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ANNUAL REPORT

OF THE

COMMISSIONER OF PATENTS

FOR THE YEAR

1908

Property of U. S. Patent Office



WASHINGTON
GOVERNMENT PRINTING OFFICE

1909

REPORT

OF THE

COMMISSIONER OF PATENTS

TO CONGRESS

FOR THE YEAR ENDED DECEMBER 31, 1908.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 30, 1909.

To the Senate and House of Representatives of the United States of America in Congress assembled:

In compliance with section 494 of the Revised Statutes I have the honor to submit the following report of the business of the Patent Office for the year ended December 31, 1908:

RECEIPTS.

Detailed statement of all moneys received for patents, for copies of records or drawings, or from any source whatever.

Applications:	
Cash received.....	\$1,659,801.00
Cash refunded.....	6,122.00
Net cash.....	1,653,679.00
Certificates of deposit.....	50,673.00
Total cash and certificates.....	1,704,352.00
Copies:	
Cash received.....	160,157.27
Cash refunded.....	7,768.69
Net cash.....	152,388.58
Certificates of deposit.....	1,154.48
Total cash and certificates.....	153,543.06
Recording assignments:	
Cash received.....	28,925.41
Cash refunded.....	1,410.86
Net cash.....	27,514.55
Certificates of deposit.....	198.00
Total cash and certificates.....	27,712.55
Subscriptions to Official Gazette:	
Cash received.....	5,335.49
Cash refunded.....	54.48
Net cash.....	5,281.01
Certificates of deposit.....	13.05
Total cash and certificates.....	5,294.06
Registration of prints and labels:	
Cash received.....	6,984.00
Cash refunded.....	1,086.00
Net cash.....	5,898.00
Certificates of deposit.....	48.00
Total cash and certificates.....	5,946.00
<i>Aggregates.</i>	
Cash received.....	1,861,203.17
Cash refunded.....	16,442.03
Net cash.....	1,844,761.14
Certificates of deposit.....	52,086.53
Total cash and certificates.....	1,896,847.67

EXPENDITURES.

Amounts expended under the several appropriations from January 1, 1908, to December 31, 1908.

Salaries.....	\$1,073,297.31
Scientific library.....	1,705.60
International Union for Protection of Industrial Property.....	
Stationery.....	12,201.32
Postage on foreign matter.....	1,154.00
Furniture, carpets, matting, linoleum, ice, telephones, washing towels, and sundries.....	19,265.44
Law library.....	595.60
Photolithographing, paid contractor.....	144,568.54
Printing and binding, paid Public Printer for Official Gazette, indexes, printing specifications, and miscellaneous work.....	441,640.61
Rent for storage of models.....	17,875.00
Total.....	1,712,303.42

RECEIPTS AND EXPENDITURES.

Receipts from all sources.....	\$1,896,847.67
Expenditures.....	1,712,303.42
Surplus.....	184,544.25

Statement of balance in the Treasury of the United States on account of the Patent Fund.

Amount to the credit of the fund January 1, 1908.....	\$6,706,181.64
Amount of receipts during the year 1908.....	1,896,847.67
Total.....	8,603,029.31
Deduct expenditures for the year 1908.....	1,712,303.42
Balance January 1, 1909.....	6,890,725.89

SUMMARY OF THE BUSINESS OF THE PATENT OFFICE.

Applications for patents for inventions.....	60,142
Applications for patents for designs.....	1,131
Applications for reissues of patents.....	202
Total.....	61,475
Caveats filed.....	2,110
Applications for registration of trade-marks.....	7,685
Applications for registration of labels.....	860
Applications for registration of prints.....	312
Disclaimers filed.....	13
Appeals on the merits.....	1,228
Total.....	12,208
Applications, etc., requiring investigation and action.....	16,144
Patents issued, including designs.....	33,514
Patents reissued.....	168
Total.....	33,682
Trade-marks registered.....	5,191
Labels registered.....	618
Prints registered.....	220
Total.....	6,029
Patents expired during the year.....	22,328
Patents withheld for non-payment of final fees.....	6,502
Applications allowed, awaiting final fees.....	12,269
Trade-mark applications passed for publication.....	5,416

PATENTS ISSUED.

Patents issued to citizens of the United States, with the ratio of population to each patent granted.

States and Territories.	Patents and designs.	One to every—	States and Territories.	Patents and designs.	One to every—
Alabama.....	134	13,647	New Hampshire.....	109	3,317
Alaska.....	14	4,531	New Jersey.....	1,427	1,320
Arizona.....	50	2,458	New Mexico.....	25	7,812
Arkansas.....	112	11,710	New York.....	4,760	1,526
California.....	1,192	1,246	North Carolina.....	173	10,941
Colorado.....	455	1,186	North Dakota.....	134	2,381
Connecticut.....	785	1,157	Ohio.....	2,277	1,826
Delaware.....	49	3,770	Oklahoma.....	215	1,852
District of Columbia.....	250	1,115	Oregon.....	232	1,782
Florida.....	110	4,805	Pennsylvania.....	3,100	2,033
Georgia.....	239	9,273	Panama.....	3	.....
Hawaii.....	11	14,000	Philippine Islands.....	4	.....
Idaho.....	77	2,100	Porto Rico.....	2	.....
Illinois.....	3,056	1,577	Rhode Island.....	259	1,654
Indiana.....	877	2,869	South Carolina.....	65	2,062
Iowa.....	696	3,208	South Dakota.....	127	3,161
Kansas.....	434	3,388	Tennessee.....	244	8,281
Kentucky.....	281	7,641	Texas.....	524	5,818
Louisiana.....	167	8,279	Utah.....	92	3,008
Maine.....	153	4,538	Vermont.....	70	4,909
Maryland.....	230	5,174	Virginia.....	251	7,785
Massachusetts.....	1,837	1,516	Washington.....	377	1,374
Michigan.....	1,042	2,323	West Virginia.....	302	4,746
Minnesota.....	627	2,793	Wisconsin.....	702	2,947
Mississippi.....	97	15,992	Wyoming.....	23	4,023
Missouri.....	955	3,253	United States Army.....	7	.....
Montana.....	105	2,317	United States Navy.....	9	.....
Nebraska.....	323	3,308			
Nevada.....	29	1,459	Total.....	29,800	

Patents granted to citizens of foreign countries.

Algeria.....	2	Egypt.....	3	Netherlands.....	23	South Australia.....	8
Argentina.....	3	England.....	734	Newfoundland.....	3	Spain.....	5
Austria-Hungary.....	109	France.....	302	New South Wales.....	33	Sweden.....	82
Belgium.....	59	Germany.....	1,013	New Zealand.....	46	Switzerland.....	106
Bermuda.....	1	India.....	3	Norway.....	24	Tasmania.....	12
Brazil.....	1	Ireland.....	15	Peru.....	2	Transvaal.....	30
Canada.....	444	Italy.....	49	Portugal.....	1	Turkey.....	1
Cape Colony.....	2	Jamaica.....	1	Queensland.....	9	Victoria.....	36
Chile.....	3	Japan.....	9	Roumania.....	5	West Australia.....	10
Colombia.....	1	Java.....	1	Russia.....	38		
Cuba.....	9	Mexico.....	16	Scotland.....	46	Total.....	3,338
Denmark.....	36	Natal.....	2				

The following tables present a comparative statement of the business of the Patent Office since the enactment of the statute of 1836 and exhibit in detail the business of the Office during the last calendar year:

Comparative statement of the business of the Office from 1837 to 1908, inclusive.

Year.	Applica-tions.	Caveats filed.	Patents and re-issues.	Cash received.	Cash ex-pended.	Surplus.
1837.....			435	\$29,289 08	\$33,506 98	.....
1838.....			520	42,123 54	37,338 92	\$4,784 62
1839.....			425	38,019 97	34,543 51	3,476 46
1840.....	765	228	473	38,056 51	39,020 67	.....
1841.....	847	312	495	40,413 01	52,666 87	.....
1842.....	761	291	517	36,505 63	31,241 43	5,264 20
1843.....	819	315	519	35,315 81	30,776 96	4,538 85
1844.....	1,045	380	497	42,509 26	36,344 53	6,164 73
1845.....	1,246	452	503	51,076 14	39,395 65	11,680 49
1846.....	1,272	448	638	50,264 16	46,158 71	4,105 45
1847.....	1,531	533	569	63,111 19	41,878 85	21,232 84
1848.....	1,628	607	653	67,576 69	58,905 84	8,670 85
1849.....	1,955	595	1,077	80,752 78	77,716 44	3,036 34
1850.....	2,193	602	993	86,927 05	80,100 95	6,826 10
1851.....	2,258	760	872	95,938 61	86,916 93	8,821 68
1852.....	2,639	996	1,019	112,056 34	95,916 91	16,139 43
1853.....	2,673	901	961	121,527 45	132,869 83	.....
1854.....	3,324	868	1,844	163,789 84	167,146 32	.....
1855.....	4,435	906	2,013	216,459 35	179,540 33	36,919 02
1856.....	4,960	1,024	2,505	192,588 02	193,931 02	.....
1857.....	4,771	1,010	2,896	195,132 01	211,582 09	.....
1858.....	5,364	943	3,710	203,716 16	193,193 74	10,522 42
1859.....	6,225	1,079	4,538	245,942 15	210,278 41	35,663 74
1860.....	7,653	1,084	4,819	256,352 59	252,820 80	3,531 79
1861.....	4,643	700	3,340	137,354 44	221,491 91	.....
1862.....	5,038	824	3,521	215,754 99	182,810 39	32,944 06
1863.....	6,014	787	4,170	195,593 29	189,414 14	6,179 15
1864.....	6,972	1,063	5,020	240,919 98	229,868 00	11,051 98
1865.....	10,664	1,932	6,616	348,791 84	274,199 34	74,592 50
1866.....	15,269	2,723	9,450	495,665 38	361,724 28	133,941 10
1867.....	21,276	3,597	13,015	646,581 92	639,263 32	7,318 60
1868.....	20,445	3,705	13,378	681,565 86	628,679 77	52,886 09
1869.....	19,271	3,624	13,986	693,145 81	486,430 74	206,715 07

REPORT OF THE COMMISSIONER OF PATENTS.

V

Comparative statement of the business of the Office from 1837 to 1908, inclusive—Continued.

Year	Applica- tions.	Caveats filed.	Patents and re- issues.	Cash received.	Cash ex- pended.	Surplus.
1870.	19,171	3,273	13,321	\$669,456 76	\$557,147 19	\$112,309 57
1871.	19,472	3,366	13,033	678,716 46	562,091 64	116,624 82
1872.	18,246	3,090	13,590	699,720 39	665,595 00	34,131 39
1873.	20,414	3,248	12,864	703,191 77	691,178 98	12,012 79
1874.	21,602	3,181	13,599	738,278 17	679,288 41	58,959 76
1875.	21,638	3,094	14,837	743,453 36	721,657 71	21,795 65
1876.	21,425	2,697	15,595	757,987 65	652,542 60	105,445 05
1877.	20,308	2,809	14,187	732,342 85	613,152 62	119,190 23
1878.	20,200	2,755	13,444	725,375 55	593,082 89	132,292 66
1879.	20,059	2,620	13,213	703,931 47	529,638 97	174,292 50
1880.	23,012	2,490	13,947	749,685 32	538,665 17	210,820 15
1881.	26,059	2,406	16,584	853,665 89	605,173 28	248,492 61
1882.	31,522	2,553	19,267	1,009,219 45	683,867 67	325,351 78
1883.	34,576	2,741	22,383	1,146,240 00	675,234 86	471,005 14
1884.	35,600	2,582	20,413	1,075,798 80	970,579 76	105,219 04
1885.	35,717	2,552	24,233	1,188,089 15	1,024,378 85	163,710 30
1886.	30,958	2,513	22,508	1,154,551 40	992,503 45	162,047 95
1887.	35,613	2,622	21,477	1,144,509 60	994,472 22	150,037 38
1888.	35,797	2,251	20,506	1,113,516 10	973,108 78	145,407 32
1889.	35,575	2,481	24,158	1,281,728 05	1,052,955 96	228,772 09
1890.	41,048	2,311	26,292	1,340,372 66	1,099,297 74	241,074 92
1891.	40,552	2,408	23,244	1,271,285 78	1,139,713 35	131,572 43
1892.	40,753	2,290	23,559	1,286,331 83	1,110,739 24	175,592 59
1893.	38,473	2,247	23,769	1,242,871 64	1,141,038 45	101,833 19
1894.	38,439	2,286	20,867	1,137,439 58	1,100,047 12	87,392 46
1895.	40,680	2,415	22,057	1,245,246 93	1,106,359 49	138,887 44
1896.	43,982	2,271	23,373	1,324,059 83	1,113,413 71	210,646 12
1897.	47,905	2,176	23,794	1,375,641 72	1,122,843 13	252,798 59
1898.	35,842	1,659	22,267	1,137,734 48	1,136,196 20	1,538 28
1899.	41,443	1,716	25,527	1,325,457 03	1,211,783 73	113,673 30
1900.	41,980	1,731	26,499	1,350,828 53	1,260,019 62	90,808 91
1901.	46,449	1,842	27,373	1,449,398 16	1,297,385 64	152,012 52
1902.	49,641	1,851	27,886	1,552,859 08	1,393,345 54	159,513 54
1903.	50,213	1,771	31,699	1,642,201 81	1,448,645 81	193,556 00
1904.	52,143	1,808	30,934	1,657,326 53	1,476,000 38	181,326 15
1905.	54,971	1,896	30,399	1,806,758 14	1,479,633 22	327,124 92
1906.	56,482	1,885	31,965	1,790,921 38	1,554,891 20	236,030 18
1907.	58,762	1,967	36,620	1,910,618 14	1,631,458 36	279,159 78
1908.	61,475	2,110	33,682	1,896,847 67	1,712,303 42	184,544 25

Statement showing the number of the first patent, design patent, and reissued patent, and the number of the first certificate of registration of a trade-mark, label, and print issued in each calendar year since July 28, 1836, when the present series of numbers of letters patent commenced, together with the total number of each issued during the year.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836) was 9,957.]

Calendar year.	Number of first patent and certificate issued in each calendar year.					Number of patents and certificates of registration issued during each calendar year.					
	Patents.	Designs.	Reissues.	Trade-Marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-Marks.
1836 (July 28)	1						109				
1837	110						436				
1838	546		1				515	6			
1839	1,061		7				404	13			
1840	1,465		20				458	10			
1841	1,923		30				490	6			
1842	2,413		36				488	13			
1843	2,901	1	49				494	14	11	519	
1844	3,395	15	60				478	12	7	497	
1845	3,873	27	67				475	17	11	503	
1846	4,348	44	78				566	59	13	638	
1847	4,914	103	91				495	60	14	569	
1848	5,409	163	105				584	46	23	653	
1849	5,993	209	128				988	49	30	1,067	
1850	6,981	258	158				884	83	26	993	
1851	7,865	341	184				757	90	25	872	
1852	8,622	431	209				890	109	20	1,019	
1853	9,512	540	229				846	86	29	961	
1854	10,358	626	258				1,759	57	28	1,844	
1855	12,117	683	286				1,892	70	51	2,013	
1856	14,009	753	337				2,315	107	83	2,505	
1857	16,324	860	420				2,686	113	97	2,896	
1858	19,010	973	517				3,467	102	126	3,695	
1859	22,477	1,075	643				4,165	108	231	4,504	
1860	26,642	1,183	674				4,363	183	232	4,778	
1861	31,005	1,366	1,106				3,040	142	147	3,329	
1862	34,045	1,508	1,253				3,221	195	116	3,532	
1863	37,266	1,703	1,369				3,781	176	227	4,184	
1864	41,047	1,879	1,596				4,638	139	248	5,025	
1865	45,685	2,018	1,844				6,099	221	296	6,616	
1866	51,784	2,239	2,140				8,874	294	290	9,458	
1867	60,658	2,533	2,430				12,301	325	400	13,026	
1868	72,959	2,858	2,830				12,544	446	420	13,410	
1869	85,503	3,304	3,250				12,957	506	534	13,997	
1870	98,460	3,810	3,784	1			12,157	737	439	13,333	121

Statement showing the number of the first patent, design patent, and reissued patent, etc.—Continued.

Calendar year.	Number of first patent and certificate issued in each calendar year.						Number of patents and certificates of registration issued during each calendar year.							
	Patents.	Designs.	Reissues.	Trade-Marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-Marks.	Labels.	Prints.	Total certificates.
1871.	110,617	4,547	4,223	122	.....	.....	11,687	905	464	13,056	486	.....	.....	480
1872.	122,304	5,452	4,687	608	.....	.....	12,200	884	529	13,613	491	.....	.....	491
1873.	134,504	6,336	5,216	1,099	.....	.....	11,616	747	501	12,864	492	.....	.....	492
1874.	146,120	7,083	5,717	1,591	1	.....	12,230	886	483	13,599	559	232	.....	791
1875.	158,350	7,969	6,200	2,150	233	.....	13,291	915	631	14,837	1,138	232	.....	1,370
1876.	171,641	8,884	6,531	3,283	465	.....	14,172	802	621	15,595	959	472	.....	1,431
1877.	185,813	9,686	7,452	4,247	937	.....	12,920	699	568	14,187	1,216	392	.....	1,608
1878.	198,733	10,335	8,020	5,463	1,329	.....	12,345	590	509	13,444	1,455	492	.....	1,947
1879.	211,078	10,975	8,529	6,918	1,821	.....	12,133	592	488	13,213	872	355	.....	1,227
1880.	223,211	11,567	9,017	7,790	2,176	.....	12,926	515	506	13,947	349	203	.....	552
1881.	336,137	12,082	9,523	8,139	2,379	.....	15,548	565	471	16,584	834	202	.....	1,036
1882.	251,685	12,647	9,994	8,973	2,581	.....	18,135	861	271	19,267	947	304	.....	1,251
1883.	269,820	13,508	10,265	9,920	2,885	.....	21,196	1,020	167	22,383	902	906	.....	1,808
1884.	291,016	14,528	10,432	10,822	3,791	.....	19,147	1,150	116	20,413	1,021	513	.....	1,534
1885.	310,163	15,678	10,548	11,843	4,304	.....	23,331	773	129	24,233	1,067	391	.....	1,458
1886.	333,494	16,451	10,677	12,910	4,695	.....	21,797	595	116	22,508	1,029	378	.....	1,407
1887.	355,291	17,046	10,793	13,939	5,073	.....	20,429	949	99	21,477	1,133	380	.....	1,513
1888.	375,720	17,995	10,892	15,072	5,453	.....	19,585	835	86	20,506	1,059	327	.....	1,386
1889.	395,305	18,830	10,978	16,131	5,780	.....	23,360	723	75	24,158	1,229	319	.....	1,548
1890.	418,665	19,553	11,053	17,360	6,089	.....	25,322	886	84	26,292	1,415	304	.....	1,719
1891.	443,987	20,439	11,137	18,775	6,403	.....	22,328	836	80	23,244	1,762	137	.....	1,895
1892.	466,315	21,275	11,217	19,775	6,540	.....	22,661	817	81	23,559	1,737	.....	.....	1,743
1893.	488,976	22,092	11,236	22,274	None.	.....	22,768	902	99	23,769	1,677	.....	.....	1,743
1894.	511,744	22,994	11,297	23,951	Do.	.....	19,875	928	64	20,857	1,806	.....	.....	1,678
1895.	531,619	23,922	11,461	25,757	Do.	.....	1,115	59	20,057	1,829	.....	.....	.....	1,810
1896.	552,022	25,037	11,520	27,586	6,546	.....	21,867	1,445	61	23,273	1,813	.....	.....	1,836
1897.	574,359	26,482	11,581	29,399	6,547	.....	22,098	1,631	65	23,794	1,671	14	16	1,701
1898.	596,467	28,113	11,646	31,070	6,561	.....	20,404	1,803	60	22,267	1,238	200	35	1,473
1899.	616,871	29,916	11,706	32,308	6,761	.....	23,296	2,139	92	25,527	1,649	511	100	2,260
1900.	640,167	32,055	11,798	33,957	7,272	.....	193	24,660	1,758	81	26,499	1,721	737	93
1901.	664,822	33,813	11,879	35,678	8,009	.....	286	25,558	1,734	81	27,373	1,928	878	159
1902.	690,385	35,547	11,960	37,606	8,887	.....	445	27,136	1,640	110	27,886	2,006	767	158
1903.	717,521	36,187	12,070	39,612	9,654	.....	603	31,046	1,526	117	31,699	2,186	990	270
1904.	748,567	37,723	12,189	41,798	10,644	.....	873	30,267	1,557	110	30,934	2,158	1,114	297
1905.	778,834	37,280	12,299	43,956	11,758	.....	1,170	29,784	1,486	129	30,399	4,490	830	359
1906.	808,618	37,766	12,428	48,446	12,588	.....	1,529	31,181	1,625	159	31,965	10,568	709	615
1907.	839,799	38,391	12,587	59,014	13,297	.....	1,874	35,880	1,589	151	36,620	7,878	667	315
1908.	875,679	38,980	12,738	66,892	13,964	.....	2,189	32,757	1,757	168	33,682	5,191	618	220

^a Registration of labels practically suspended May 27, 1891, under decision of the United States Supreme Court in *Higgins et al. v. Keuffel et al.*, (55 O. G., 1139,) with the registration of No. 6,545, June 14, 1892. Resumed June 9, 1896, with the registration of No. 6,546.

Expenditures for photolithographic and photographic work since 1884-85.

Fiscal year	Contractor.	Price per page.				Total.	Official Gazette.	Grand total.
		Current issue.	Reproduction of exhausted copies.	Library edition.	Photographic copies.			
1884-85	Norris Peters	\$1 61	\$1 58	\$2 90		\$78,671 99	\$39,614 40	\$118,286 39
1885-86	do	1 61	1 58	2 80		84,940 19	44,351 00	129,291 19
1886-87	do	1 61	1 56	2 80		79,509 57	41,869 00	121,378 57
1887-88	do	1 61	1 56	2 80		77,907 96	41,183 60	119,091 56
1888-89	do	1 61	1 56	2 80		83,284 54	43,999 70	127,284 24
1889-90	do	1 61	1 56	2 80		101,292 67	58,992 40	160,285 07
1890-91	do	1 61	1 56	2 80		110,998 97	65,966 10	176,965 07
1891-92	Norris Peters Co	1 57	1 56	2 80		99,992 58	52,969 50	152,962 08
1892-93	do	1 55	1 56	2 80		99,788 92	54,998 30	154,787 22
1893-94	National Lithographic Co	1 49	1 00	2 70		94,911 33	49,997 70	144,909 02
1894-95	Norris Peters Co	1 55	1 56	1 95		60,482 04	38,297 88	98,779 92
1895-96	A. B. Graham	1 01	1 14	1 10		58,866 60	42,326 30	101,192 90
1896-97	Norris Peters Co	96	94	1 00		58,960 78	35,712 00	94,672 78
1897-98	do	0025	735	1 50		68,999 28	39,749 40	108,748 68
1898-99	*Annie C. Bell	9775	93		\$0 07	75,999 85	46,065 60	122,065 45

Expenditures for photolithographic and photographic work since 1884-85—Continued.

Fiscal year.	Contractor.	Price per page.				Total.	Official Gazette.	Grand total.
		Current issue.	Reproduction of exhausted copies.	Library edition.	Photographic copies.			
1899-1900.....	Norris Peters Co..... *Henry C. Yates & Co.....	<i>g</i> 995 <i>e</i> 885	<i>p</i> 70 <i>n</i> 78	<i>u</i> 1 60	<i>v</i> 05 <i>w</i> 12 <i>y</i> 18 <i>v</i> 05 <i>v</i> 05 <i>w</i> 12 <i>y</i> 20 <i>v</i> 05 <i>w</i> 12 <i>y</i> 20	\$98,999 90	\$55,092 80	\$154,092 70
1900-1901.....	.....do.....	<i>g</i> 1 08 <i>h</i> 1 03	<i>q</i> 80	<i>u</i> 1 75	<i>w</i> 12 <i>y</i> 20 <i>v</i> 05 <i>w</i> 12 <i>y</i> 20	108,999 54	62,100 00	171,099 54
1901-1902.....	.....do.....	<i>g</i> 1 08 <i>h</i> 1 03	<i>q</i> 80	<i>u</i> 1 75	<i>w</i> 12 <i>y</i> 20 <i>v</i> 05 <i>w</i> 12 <i>y</i> 20	108,999 55	66,600 00	175,599 55
1902-1903.....	Norris Peters Co..... *Charles Parker.....	<i>g</i> 1 08 <i>h</i> 1 03	<i>q</i> 80	<i>u</i> 1 75	<i>w</i> 14 <i>y</i> 20	123,842 76	75,112 50	198,955 26
1903-1904.....	Norris Peters Co..... *W. E. Oliver.....	<i>g</i> 1 08 <i>h</i> 1 03	<i>q</i> 80	<i>u</i> 1 75	<i>w</i> 10 <i>y</i> 15	129,999 97	84,162 50	214,162 47
1904-1905.....	Sackett & Wilhelms Litho- graphing & Printing Co..... *C. Parker.....	<i>d</i> 1 30 <i>h</i> 95	<i>q</i> 80 <i>r</i> 1 10 <i>s</i> 1 25	<i>u</i> 1 65	<i>w</i> 10 <i>y</i> 15	140,000 00	75,020 00	215,020 00
1905-1906.....	\$A. B. Graham Co..... *Norris Peters Co..... Columbia Planograph Co..... *W. E. Oliver..... Sackett & Wilhelms Litho- graphing & Printing Co.....	<i>d</i> 0 895 <i>aa</i> 725 <i>bb</i> 705 <i>cc</i> 60	<i>q</i> 0 60 <i>r</i> 80 <i>s</i> 90	<i>u</i> 1 38	<i>w</i> 0 08 <i>y</i> 13	129,999 99	71,736 00	201,735 99
1906-1907.....	\$Norris Peters Co..... *Norris Peters Co..... A. B. Graham Co..... *E. L. Parker.....	<i>f</i> 80 <i>dd</i> 65	<i>q</i> 57 <i>s</i> 85	<i>ee</i> 1 22	<i>w</i> 08 <i>y</i> 13	140,000 00	<i>ff</i>	140,000 00
1907-1908.....	\$Norris Peters Co..... *J. A. Eckert..... Columbia Planograph Co..... *H. A. Farnham.....	<i>f</i> 77 <i>dd</i> 64	<i>q</i> 50 <i>s</i> 67	<i>ee</i> 1 15	<i>x</i> 09 <i>y</i> 13	140,000 00	<i>ff</i>	140,000 00
1908-1909.....	\$Norris Peters Co..... *Sackett & Wilhelms Co..... Columbia Planograph Co..... *F. W. Ernst..... *C. Parker.....	<i>f</i> 71½ <i>dd</i> 57½	Spec. <i>q</i> 42½ <i>s</i> 53 Drg. <i>q</i> 43½ <i>s</i> 55	<i>ee</i> 98	<i>x</i> 12 <i>y</i> 16	140,000 00	<i>ff</i>	140,000 00

§ For current issue.

* For reproduction of exhausted copies.

* For the library edition.

* For photographic work.

* For Official Gazette.

a For 152 thin, 2 thick, and 1 bond copies.*b* For 102 thin, 2 thick, and 1 bond copies.*c* For 24 thin, 2 thick, and 1 bond copies of design patents and trade-marks.*d* For 100 thin, 2 proof, 2 thick, and 1 bond copies.*e* For 24 thin, 4 thick, and 1 bond copies of designs and trade-marks.*f* For 100 thin, 2 thick, and 1 bond copies.*g* For 75 thin, 2 proof, 2 thick, and 1 bond copies.*h* For 50 thin, 4 thick, and 1 bond copies of designs and trade-marks.*i* For 152 thin and 2 thick copies of mechanical patents.*j* For 12 copies of design patents and trade-marks.*k* For 150 thin and 2 thick copies of mechanical patents.*l* For 24 thin and 2 thick copies of designs and trade-marks.*m* For 150 copies of mechanical patents.*n* For 24 copies of design patents and trade-marks.*o* For 100 copies of mechanical patents.*p* For 50 copies of mechanical patents.*q* For 50 copies each, mechanical and design patents and trade-marks.*r* For 75 copies each, mechanical and design patents and trade-marks.*s* For 100 copies each, mechanical and design patents and trade-marks.*t* For 200 copies.*u* For 235 copies.*v* Size, 5 x 8 in.*w* Size, 7 x 11 in.*x* Size, 8 x 12½ in.*y* Size, 10 x 15 in.*z* Estimated.*aa* For 50 thin, 2 proof, 2 thick, and 1 bond copies of designs.*bb* For 50 thin, 2 thick, and 1 bond copies of trade-marks.*cc* For 2 copies of trade-marks for publication.*dd* For 50 thin, 2 thick, and 1 bond copies of trade-marks and designs.*ee* For 150 copies.*ff* No contract made with photolithographer for illustrations for Official Gazette.*Number of patents issued by the United States and foreign countries from the earliest period to December 31, 1908.*

[Foreign figures for 1908 estimated.]

Country.	To 1870, inclusive.	1871 to 1908.	Total.	Country.	To 1870, inclusive.	1871 to 1908.	Total.
Argentina.....	83	7,216	7,299	Fiji Islands.....	.....	38	38
Australia.....	.....	5,844	5,844	Finland.....	112	3,414	3,526
Austria.....	.....	54,888	54,888	France.....	103,934	303,930	407,864
Austria-Hungary.....	15,350	67,583	82,933	Germany.....	9,996	213,070	223,066
Bahamas.....	.....	2	2	Great Britain.....	53,408	345,200	398,608
Barbados.....	.....	142	142	Guatemala.....	.....	57	57
Belgium.....	35,044	184,044	219,088	Hawaii.....	.....	148	148
Bolivia.....	42	65	107	Hongkong.....	.....	162	162
Brazil.....	185	6,135	6,320	Hungary.....	.....	39,460	39,460
British Guiana.....	32	94	126	India.....	445	9,676	10,121
British Honduras.....	1	19	20	Italy and Sardinia.....	4,723	84,412	89,135
Canada.....	4,081	115,194	119,275	Jamaica.....	22	197	219
Ceylon.....	58	664	722	Japan.....	.....	15,479	15,479
Chile.....	266	1,693	1,959	Leeward Islands.....	.....	21	21
Colombia.....	.....	973	973	Liberia.....	.....	2	2
Congo Free State.....	.....	199	199	Luxembourg.....	.....	7,695	7,695
Costa Rica.....	.....	55	55	Malta.....	.....	76	76
Cuba.....	.....	618	618	Mauritius.....	113	267	380
Denmark.....	464	18,583	19,047	Mexico.....	22	8,217	8,239
Ecuador.....	.....	10	10	Netherlands.....	4,535	.....	4,535

Number of patents issued by the United States and foreign countries from the earliest period to December 31, 1908—Continued.

Country.	To 1870, inclu- sive.	1871 to 1908.	Total.	Country.	To 1870, inclu- sive.	1871 to 1908.	Total.
Newfoundland.....	40	395	435	Switzerland.....		42,576	42,576
New South Wales.....	236	11,740	11,976	Tasmania.....	43	2,426	2,469
New Zealand.....	109	12,191	12,300	Transvaal.....		1,901	1,901
Norway.....	737	19,213	19,950	Trinidad.....	6	178	184
Paraguay.....		79	79	Tunis.....		669	669
Peru.....		160	160	Turkey.....		1,740	1,740
Portugal.....	245	5,833	6,078	Uruguay.....		340	340
Queensland.....	67	6,368	6,435	Venezuela.....		219	219
Russia.....	1,464	19,991	21,455	Victoria.....	822	12,463	13,285
St. Helena.....		4	4	West Australia.....		3,524	3,524
South African Republics.....		1,262	1,262	Total foreign.....	238,437	1,713,649	1,952,086
South Australia.....	123	6,221	6,344	United States.....	120,573	797,819	* 918,392
Spain.....		40,661	40,661	Grand total.....	359,010	2,511,468	2,870,478
Straits Settlements.....		204	204				
Sweden.....	1,629	27,749	29,378				

* Including 9,957 patents issued prior to July 1, 1836.

The following comparison between the receipts, expenditures, applications filed, issues of the Office, the printed copies sold, copies of records furnished, and the number of employees for the years ended, respectively, December 31, 1899, and December 31, 1908, illustrates the growth of the business of the Patent Office:

Class.	1899.	1908.	Increase.	Percentage of increase.
Receipts.....	\$1,325,457.03	\$1,896,847.67	\$571,390.64	43.1
Expenditures.....	\$1,211,783.73	\$1,712,303.42	\$500,519.69	41.3
Applications and caveats filed.....	45,990	72,442	26,452	57.5
Letters patent, design and reissue patents granted, and trade-marks, labels, and prints registered.....	27,787	39,711	11,924	42.9
Printed copies of patents furnished.....	1,451,519	2,164,365	712,846	49.1
Price received.....	\$50,201.11	\$93,255.98	\$43,054.87	85.7
Words written in copies of records furnished.....	13,575,650	22,597,400	9,021,750	66.4
Number of employees.....	663	855	192	28.9

SUMMARY OF TABLES.

In 1908 there were received 60,142 applications for mechanical patents, 1,131 applications for design patents, 202 applications for reissues of patents, 7,685 applications for registration of trade-marks, 860 applications for registration of labels, and 312 applications for registration of prints. There were 33,514 patents issued, including designs, 168 patents reissued, and 5,191 trade-marks, 618 labels, and 220 prints registered. The number of patents that expired was 22,328. The number of allowed applications awaiting the payment of final fees was 12,269, and the number forfeited for non-payment of the final fees 6,502. The total receipts were \$1,896,847.67, the expenditures \$1,712,303.42, and the surplus of receipts over expenditures \$184,544.25. The total balance to the credit of the Patent Office in the Treasury of the United States on January 1, 1909, was \$6,890,725.89.

In proportion to population more patents were issued to citizens of the District of Columbia than to those of any State—1 to every 1,115. Next in order are the following: Connecticut, 1 to every 1,157; Colorado, 1 to every 1,186; California, 1 to every 1,246; New Jersey, 1 to every 1,320; Washington, 1 to every 1,374; Nevada, 1 to every 1,459; Massachusetts, 1 to every 1,516; New York, 1 to every 1,526; Illinois, 1 to every 1,577; Rhode Island, 1 to every 1,654; Oregon, 1 to every 1,782; Ohio, 1 to every 1,826; Oklahoma, 1 to every 1,852; Pennsylvania, 1 to every 2,033; South Carolina, 1 to every 2,062; Idaho, 1 to every 2,100; Montana, 1 to every 2,317; Michigan, 1 to every 2,323; North Dakota, 1 to every 2,381; Arizona, 1 to every

2,458; Minnesota, 1 to every 2,793; Indiana, 1 to every 2,869; Wisconsin, 1 to every 2,947; Utah, 1 to every 3,008; South Dakota, 1 to every 3,161; Iowa, 1 to every 3,208; Missouri, 1 to every 3,253; Nebraska, 1 to every 3,308; New Hampshire, 1 to every 3,317; Kansas, 1 to every 3,388; Delaware, 1 to every 3,770; Wyoming, 1 to every 4,023; Alaska, 1 to every 4,531; Maine, 1 to every 4,538; West Virginia, 1 to every 4,746; Florida, 1 to every 4,805; Vermont, 1 to every 4,909; Maryland, 1 to every 5,174; Texas, 1 to every 5,818; Kentucky, 1 to every 7,641; Virginia, 1 to every 7,785; New Mexico, 1 to every 7,812; Louisiana, 1 to every 8,279; Tennessee, 1 to every 8,281; Georgia, 1 to every 9,273. The fewest patents granted in proportion to the number of inhabitants were in the following States and Territory: Mississippi, 1 to every 15,992; Hawaii, 1 to every 14,000; Alabama, 1 to every 13,647; Arkansas, 1 to every 11,710, and North Carolina, 1 to every 10,941.

As to foreign patents, 1,013 were granted to citizens of Germany; 734 to those of England; 444 to those of Canada; 302 to those of France; 109 to those of Austria-Hungary; 106 to those of Switzerland; 82 to those of Sweden; 59 to those of Belgium; 49 to those of Italy; 46 each to those of New Zealand and Scotland; 38 to those of Russia; 36 each to those of Denmark and Victoria; 33 to those of New South Wales; 30 to those of Transvaal; 24 to those of Norway; 23 to those of the Netherlands; 16 to those of Mexico; 15 to those of Ireland; 12 to those of Tasmania; 10 to those of West Australia; 9 each to those of Cuba, Japan, and Queensland; 8 to those of South Australia; 5 each to those of Roumania and Spain; 3 each to those of Argentina,

Chile, Egypt, India, and Newfoundland; 2 each to those of Algeria, Cape Colony, Natal, and Peru; 1 each to those of Bermuda, Brazil, Colombia, Jamaica, Java, Portugal, and Turkey.

IMPROVED CONDITIONS IN THE PATENT OFFICE.

The reorganization of the Bureau under the system inaugurated by Secretary Garfield has resulted in vastly improving the conditions heretofore existing.

The Bureau has been given twenty-three additional rooms. The force has been augmented and the salaries increased by Congress during the year as follows: Assistant Commissioner from \$3,000 to \$3,500; an additional Assistant Commissioner provided at \$4,500; Chief Clerk, who shall be qualified to act as a Principal Examiner, \$2,500 to \$3,000; Examiners-in-Chief from \$3,000 to \$3,500; a Chief of Classification provided at \$3,600; the Examiners of Trade-Marks and Designs, Interferences, and the forty-two Principal Examiners from \$2,500 to \$2,700; two Law Examiners from \$2,500 to \$2,750; fifty-eight First Assistant Examiners from \$1,800 to \$2,400; sixty-eight Second Assistant Examiners from \$1,600 to \$2,100; seventy-eight Third Assistants from \$1,400 to \$1,800; and one hundred and ten Fourth Assistants from \$1,200 to \$1,500; an additional translator of languages provided at \$1,800; forty-two messengers provided for the examining divisions at \$480 each.

The total increase of force and salaries is as follows: First Session of the Sixtieth Congress, thirty-three Examiners and one clerk, involving an increase in salaries of \$216,610; Second Session, (1908-9,) eleven Examiners and forty-four clerks and messengers, carrying salary increases to the amount of \$54,360. Total increase of force for 1908 and 1909 of eighty-eight employees, and total increase of salaries for same period of \$270,820. Inasmuch as the salaries of the Examiners had not been increased for a period of sixty years, (1848,) it has been most gratifying that this Congress has come to the relief of the Patent Office in so liberal a manner, and especially so in view of a probable deficit in the revenues of the government of \$100,000,000.

CONDITION OF THE WORK.

I take great pleasure in reporting to the Congress that in view of the new conditions created by Congress and the Secretary of the Interior it has been possible to bring up the work of the Patent Office so that it is now current except in five examining divisions out of the forty-one. The work in these five divisions is in such a condition that it will be made current within thirty days or less. It is my purpose to keep the work current in all branches of the Office so long as I remain at the head. The action of Congress and Secretary Garfield in making it possible to accomplish the results attained in a period of six months after the additional force became effective, July 1, 1908, will be received with great gratification by the inventors of the country, who pay the total expenses of this Bureau and are entitled, as has been recognized by the appropriations committees of both Houses, to the long-deferred relief. The work done now is very thorough, and with the present force it will be possible, as I promised the appropriations committees, to act on and pass to issue or

reject the average application for patent within from thirty to sixty days after filing in the Office.

CLASSIFICATION OF PATENTS.

With the establishment of the new Classification Division provided it will enable me to have all the United States patents, which now number 915,000, the foreign patents, about 2,000,000 in number, and the subject-matter embraced in the 85,000 volumes in the Scientific Library, properly classified and digested. When this is accomplished, the work and expense of examination will be lessened by one-third and the future patents issued will have a greater degree of validity attached to them. This system of classifying technical subject-matter is quite perfect in Germany and England, and it is of the greatest importance to complete such a classification in this Office at the earliest possible date.

LEGISLATION.

During the last session of Congress an act amending section 4896, Revised Statutes, was passed and approved by the President May 23, 1908. This section as amended provided that when any person having made a new invention or discovery for which a patent might be granted becomes insane before the patent is granted the right to apply for and obtain the patent shall devolve upon his legally-appointed guardian or representative on the same terms and conditions as the same might have been claimed or enjoyed by him while sane. The existing law did not provide for the relief of an insane inventor.

Congress also amended section 4885, Revised Statutes, which became a law on May 23, 1908. The amendment to this section facilitated the work of the Office in the granting of patents, in that it provides that the patent may be issued at any time within three months after the payment of the final fee, thereby giving ample time within which to perform the necessary work of printing and photolithographing prior to the final acts of signing, sealing, and delivery of the patent.

A provision was also inserted in the Sundry Civil Appropriation Bill providing that in lieu of the fees fixed by section 4934 of the Revised Statutes for recording assignments and other papers in the Patent Office the following rates should be hereafter charged: For recording every paper of 300 words or under, \$1; of over 300 and under 1,000 words, \$2; for each additional 1,000 words or fraction thereof, \$1. Under the law before the amendment was passed the maximum fee that could be charged was \$3, and in many cases it was found that this was wholly inadequate in payment for the work involved in recording the large deeds that were frequently filed. While the new provision has only resulted in an increase of revenue to this Office of approximately \$1,500, it has resulted in the filing of fewer of the voluminous deeds which were filed hitherto, and this, of course, has resulted in a saving of labor.

The bill entitled H. R. 15,843, S. 3,969, amending two sections of the Trade-Mark Act was passed last session by the Senate, but has not as yet been considered by the House of Representatives. The passage of this bill will result in clearing up two points of

practice before this Office, and it is earnestly hoped that the same may pass the House at this session and become a law.

I wish especially to call attention to H. R. 15,838, S. 3,970, which bill was introduced in the Senate by Senator Smoot and was given careful consideration by the Senate Committee on Patents, of which he is chairman. This bill was favorably reported by the Senate Committee and was passed by the Senate after discussion thereon, but no action has as yet been taken upon this bill in the House. This bill relates to practice within the Patent Office and provides for the elimination of one of the three appeals now provided by law within the Patent Office. The burden of this great number of appeals has been continually complained of by those who have felt its weight and borne the consequent expense. The amendments proposed to the various sections of the statute do not in any way change the substance of the law. The bill provides for the merging of the officers constituting the two appellate tribunals in this Office into a single tribunal. It does not create any new office, and it does not legislate any official out of office. I think it can be stated without question that the elimination of one of the appeals within this Office as now provided by law is admitted to be a desirable thing by every one who has any knowledge at all of the procedure required by an applicant for a patent or a party to an interference before he can obtain a final decision in his case.

Some criticisms have been made upon the pending bill, not for the reason, however, that it is not a desirable thing to reduce the number of appeals, but because of certain technical objections to the amendments proposed to the present statutes. I think it can be truthfully said that no objection has been urged against the amended bill which does not apply with more force to the law at present on the statute books.

There is another bill, H. R. 15,840, S. 3,973, which has also passed the Senate, but has not as yet been passed by the House of Representatives, which provides that appeals in trade-mark cases, now taken direct to the Commissioner, shall thereafter be taken to the new Board of Appeals created by the previously-discussed bill. Of course the passage of this bill must depend entirely upon the passage of the one relating to patents. I most earnestly ask that this bill (H. R. 15,838, S. 3,970) be considered by the House of Representatives at this session. The reasons therefor are as follows:

First. It is the practically unanimous opinion of inventors and manufacturers throughout the country that one appeal should be eliminated in the Patent Office in order to save the great cost and loss of time now involved in obtaining a final adjudication and consequent grant of patent.

Second. The fact that no general protest has been lodged and no effective arguments have been made against the passage of the bill.

Third. Scientific journals have favorably commented upon this measure by editorials and otherwise and offered no protest or objection.

Fourth. The great saving of time and labor to the tribunals of the Patent Office. Under the present system the work is done twice to no good effect.

Fifth. This is an important part of the plan to ex-

pedite business and to grant patents to inventors within a reasonable time, which they have demanded and to which they are entitled.

Appeals lie, under existing law in patent matters, from the Primary Examiner, in *ex parte* cases, successively to the Examiners-in-Chief, the Commissioner or the Assistant Commissioner, and to the Court of Appeals of the District of Columbia. Appeals from the Examiner of Interferences in interference cases take the same course.

The following statement shows the amount of business transacted by the appellate tribunals in patent and trade-mark matters during the year ending December 31, 1908.

(Decisions of the Examiner of Interferences on priority in interference cases).....	336
Appeals to the Examiners-in-Chief in interference cases.....	212
<i>Ex parte</i> appeals to Examiners-in-Chief.....	584
	796
Appeals to Commissioner in interference cases.....	113
Appeals to Commissioner in opposition cases.....	25
Appeals to Commissioner in cancellation cases.....	5
<i>Ex parte</i> appeals to Commissioner.....	81
Interlocutory appeals to Commissioner.....	209
<i>Ex parte</i> appeals in trade-mark cases.....	19
	452
Petitions to Commissioner from ruling of the Primary Examiner.....	2,245
	2,697
Appeals to Court of Appeals, District of Columbia:	
<i>Ex parte</i> cases.....	24
Interference cases.....	49
Opposition cases.....	11
Cancellation cases.....	3
	87

Three other bills, S. 8,610, 8,611, and 8,612, are now pending in the Senate, and it is earnestly hoped that they may be introduced into the House and that their early enactment into law may be effected.

Senate bill 8,610 provides for the amendment of section 4889 of the Revised Statutes. Certain changes in phraseology of the statute are provided by the bill; but the really essential provision is that there shall be required to be filed with an application for patent, in addition to the drawing, two photographic copies of such drawing. This imposes upon every applicant for patent an additional statutory requirement, to wit—to file with each application of which a signed and attested drawing forms part two photographic copies of such signed and attested drawing.

The purposes of this requirement are (1) to guard against and enable the detection of unauthorized changes in the original drawing or abstraction of such drawing and substitution of another; (2) to lessen the danger of serious mistakes on the part of the Office in failing to detect interferences between copending applications for the same invention.

It is proposed to accomplish the first purpose by causing to be filed in secret archives in charge of the Chief Draftsman one of these photographic copies which may serve as a permanent standard of comparison with the pen and ink drawing from which the copies that form a part of the patent are taken. The drawing may be sent to the attorneys' room upon request of any one appearing of record as having an interest in the application, or it may be changed or abstracted and replaced by any corrupt employee of the Patent Office, leaving no

evidence, or at best mere negative indications that any unauthorized changes have been made. An illuminative example of what unauthorized changes may be made is found in the case of the Heany patent, No. 872,936, where no drawing was filed originally with the application, but one was filed subsequently, which was later abstracted and replaced by another of entirely different character, the last drawing being the one which now forms a part of the patent. If at the time the Heany application was filed all applicants had been required to file a photographic reproduction of the drawing, the changes could hardly have been made without detection, except by the collusion of two or more persons, and with great difficulty.

It is proposed to accomplish the second purpose by retaining the second photographic copy of the drawing in the file-wrapper and sending it with the file to the attorneys' room upon order or to any other division or any tribunal of the Patent Office, when required, leaving the original drawing in the examining division, where the application is classified for examination; or, if for any reason it should become necessary to send the original drawing out of the examining division, the photographic copy could be retained therein, where it would be discovered in interference searches. Under the present procedure both drawing and file-wrapper are sent out of the division on attorneys' orders, also when they are placed in interference or are appealed; and the drawing is frequently sent out on orders of the Official Draftsman or the Chief of the Copy and Manuscript Division for extended periods, amounting, in interference proceedings, to years. While the drawing is out of the examining division interferences between the application of which it forms a part and other subsequently filed applications may be overlooked, as the interference search is made by means of the drawing. The memory of the examiner cannot always be relied upon to recall interfering applications, especially as the personnel of the force changes continually.

The size of the sheets upon which the proposed photographic copies shall be made, their character and disposition, may be left to the discretion of the Commissioner of Patents, who may prescribe, subject to the approval of the Secretary of the Interior, all proper requirements by rule under the authority of section 483 of the Revised Statutes.

It is very clear that it is desirable for applicants filing applications for patent to accompany the same with photographic copies of the drawings. This has been the opinion of my predecessors in office, as ex-Commissioner Butterworth issued an order to this effect, but subsequently revoked it because he was convinced that he could not legally enforce that order without statutory authority. The recent developments in the Patent Office in regard to the tampering with patent records make it essential that the statute be amended as requested, so as to give statutory authority to the requirement of the photographic copies. It may be said, however, that this is the first time that the records of the Patent Office have been tampered with during its history covering a period of one hundred and eighteen years, and it is the only patent so tampered with in more than nine hundred thousand pat-

ents which have been granted by the United States to date.

The other two bills, S. 8,611 and 8,612, provide for slight amendments to sections 4,917 and 4,893, Revised Statutes, to which they apply respectively. These amendments change only the word "claimant" in section 4,893 to read *applicant*, and the word "claimant" in section 4,917 to read *patentee*.

The word "claimant" is not, in my opinion, the proper word to use in these statutes. In all other statutes relating to patents the inventor is formally referred to as an "applicant" or as a "patentee." These two statutes are the only ones using the word "claimant." These amendments, therefore, will bring these statutes into conformity with the other statutes relating to patents.

The application for a patent is not a claim against the Government and the attorney in a patent case is not prosecuting a claim against the Government. The patent, on the contrary, is in the nature of a contract and is so construed by the authorities on the subject and by the courts. The inventor having created something new, offers by his application to fully disclose his invention at once and to give it to the public at the end of seventeen years, provided the United States will allow him to have the exclusive possession thereof in the meantime. In granting a patent for an invention the Government is not parting with anything possessed by the public prior to applicant's disclosure. If the inventor chooses not to disclose his invention, but to practice it in secret, the public is the loser. In payment for the invention the inventor obtains the right to bring suit in the Federal courts against infringers during a period of seventeen years. Among the many cases that might be cited showing that this is the accepted view regarding patents for invention are the following:

In the case of *O. H. Jewell Filter Company v. Jackson* (140 Fed. Rep., 340) the Circuit Court of Appeals for the Eighth Circuit, in a decision rendered August 26, 1905, held as follows, (page 343:)

A patent is, after all, nothing but a contract by which the Government secures to the patentee the exclusive right to vend and use his invention for a few years, in consideration of the fact that he has perfected and described it and has granted its use to the public forever after. The rules for the construction of contracts apply with equal force to the interpretation of patents. The great desideratum here, as there, is to ascertain and give effect to the intention of the parties to the contract when they made it. * * * The contract evidenced by a patent is effected by the acceptance by the Government of a proposition made by the inventor in compliance with the statutes of the United States. Those statutes require him to make his proposition in the form of an application for a patent, which shall contain a written description of his invention and of the manner of constructing and using it, in such full, clear, concise and exact terms as to enable a person skilled in the art to make and use it, and if it consists of a machine, an explanation of its principle and the best mode in which he has contemplated applying this principle, so as to distinguish it from other inventions. The statutes also require the applicant to particularly point out and distinctly claim the part, improvement, or combination which he seeks to secure as his invention. (Rev. St., sec. 4883, U. S. Comp. St. 1901, p. 3383.)

To the same effect are the court decisions of *Blanchard v. Sprague*, (3 Sumner, 535;) *Carr v. Rice*, (1 Fisher's Patent Cases, 198, 200;) *Singer v. Walmley*, (1 Fisher's Patent Cases, 558, 562;) *Goodyear v. Central Railroad of New Jersey*, (1 Fisher's Patent Cases, 626, 634.)

Robinson on Patents, (vol. 1, p. 54,) concerning the patent grant, states:

It makes the reward of the inventor commensurate with the value of his invention to the public. It lays no burden on the people except that of remaining for a while without that which they never yet enjoyed. It is in all respects, if judiciously bestowed and so

construed as to protect the precise thing invented and only that, the nearest approach to a perfect apportionment of recompense to services that the law has ever known.

ATTORNEYS—PATENT BAR.

I desire to invite the attention of the Congress to the necessity for legislation which would result in the establishment of a patent bar. It is suggested that a law be enacted providing that before an individual be permitted to practice before the United States Patent Office he shall be required to first pass an examination as to his moral, legal, and technical qualifications; that a committee shall be appointed by the Commissioner of Patents composed of Patent Office officials and patent attorneys of well-known standing in the profession who shall conduct the examination under the direction of the Commissioner of Patents, and the report of said committee shall be subject to his approval.

NEW BUILDING.

I desire to invite the attention of the Congress to the great necessity existing for more room. The present quarters provided for the Patent Office are wholly inadequate for its needs. The volume of business of the Bureau increases each year, as will be clearly shown by the table embraced in the report giving the increases since the law of 1836 was enacted.

The Patent Office has been more than self-supporting since its creation. The inventors pay for its maintenance, and not one dollar comes from the general tax revenues of the country. The surplus of receipts over expenditures each year is absolutely a net surplus after deducting salaries and every item of expense that is charged to the Bureau.

The net surplus of all years covered into the Treasury on December 31, 1908, is \$6,890,725.89. This sum represents the net earnings of the Patent Office. It is strongly urged that this sum, or so much thereof as may be necessary, will be used for providing a new building, in which ample room will be afforded to properly and promptly transact the business of the inventors, for which they more than pay the total cost.

If I may be permitted, I would suggest the passage at this session of the bill introduced by Senator Daniel on January 24, 1908, (S. 3,954.) The structure and location meet my full approval.

Great Britain and Germany have each erected new buildings for their patent offices, which are in every way more commodious and better adapted to the business intended than the building that now houses the United States Patent Office, although the patent business of either of those countries is but a small fraction of that which is necessary to transact at this Office.

The models forming a part of the records of the Office and which are necessary to consult in the examination of applications and also for use as evidence in court are stored in boxes in the basement and corridors of the Patent Office building, where they are not accessible for the purposes for which they were intended. The general public is also prevented from seeing them, and their value as purely an historical and educational exhibit is entirely lost. This collection should be placed in the new building, as provided in Senator Daniel's bill.

TREATIES.

The treaty between the United States and Japan, which was signed in Washington by Acting Secretary of State Bacon and Baron Takahira, Ambassador of Japan, on May 19, 1908, and ratified by both Governments, and now in force, has been of great value to the inventors and manufacturers of the United States, in that the same affords protection to American patents and trade-marks in Japan, Korea, and China.

It is to be hoped that in the near future treaties with the leading commercial nations may be consummated embracing reciprocal provisions which will relieve inventors and manufacturers from the necessity of working their inventions in the respective countries.

Respectfully submitted.

EDWARD B. MOORE,
Commissioner of Patents.

ALPHABETICAL LIST

OF

PATENTEEES FOR THE YEAR 1908.

[Patentees of Designs, Trade-Marks, Labels, and Prints, and parties who have filed Disclaimers follow this in separate indexes, but precede the Alphabetical List of Inventions.]

[Abbreviations: "Sp."=Monthly Volume of Specifications; "Gaz."=Official Gazette.]

- A. Geisel Manufacturing Company. (See McMorro, P. J., assignor.)
A. Leschen & Sons Rope Company. (See Brazelle, B., assignor.)
A. Merle Co. (See Rudgear, A., assignor.)
A. Schrader's Son. (See Schweinert and Kraft, assignors.)
A. Ziegler & Sons Company. (See Ziegler, A. M., assignor.)
A. B. Chase Company. (See Cooper, W. F., assignor.)
A. B. Dick Company. (See Brasseur, E. J., assignor.)
A. B. Dick Company. (See Dick, A. B., assignor.)
A. B. Farquhar Company. (See Hallock, D. Y. and D. E., assignors.)
A. B. Felgimaker Erie Organ Company. (See Kent, A. E., assignor.)
A. B. C. Machine Company. (See Cohn, A. B., assignor.)
A. C. Lawrence Leather Company. (See Johnstone, R. K., assignor.)
A. E. Traeger Specialty Manufacturing Company. (See Traeger, A. E., assignor.)
A. F. Meisselbach & Brother. (See Meisselbach, A. F., assignor.)
A. F. Meisselbach & Brother. (See Meisselbach and Catucci, assignors.)
A. G. Wheeler, Jr., trustee. (See Compton, M. D., assignor.)
A. G. E. S. Società in Accomandita Semplice per l'Esercizio dei Brevetti Granieri. (See Granieri, L., assignor.)
A. O. Crawford Company. (See Crawford, G. O., assignor.)
A. O. Norton Incorporated. (See Gormley, F. L., assignor.)
A. S. Garman. (See Werner, E., assignor.)
Aagland, F. J., Jersey City, N. J. Combined cigar-cutter and match-box. No. 896,263; Aug. 18; Sp. p. 2937; Dr. p. 633; Gaz. vol. 135; p. 1427.
Aalborg, C., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric-circuit controller. No. 879,234; Feb. 18; Sp. p. 2746; Dr. p. 574; Gaz. vol. 132; p. 1360.
Aalborg, C., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Terminal piece for electric circuit-breakers. No. 896,192; Aug. 18; Sp. p. 2796; Dr. p. 602; Gaz. vol. 135; p. 1402.
Aarflot, R., Volden, Norway. Apparatus for trisection of angles. No. 890,322; June 9; Sp. p. 2297; Dr. p. 506; Gaz. vol. 134; p. 1452.
Aasen, N. W., Dröbak, Norway. Rocket-parachute. No. 907,112; Dec. 22; Sp. p. 3857; Gaz. vol. 137; p. 1717.
Abadie-Leotard, E., Paris, France. Corset. No. 878,446; Feb. 4; Sp. p. 1100; Dr. p. 225; Gaz. vol. 132; p. 1030.
Abady, J. (See Simmance and Abady.)
Abbé, R. F., Hoboken N. J., assignor to J. R. Alsing Engineering Co., New York, N. Y. Rotating drum. No. 881,171; Mar. 10; Sp. p. 1351; Dr. p. 291; Gaz. vol. 133; p. 260.
Abbott, A. A., Boston, Mass. Separable fastener. No. 895,608; Aug. 11; Sp. p. 1663; Dr. p. 351; Gaz. vol. 135; p. 1193.
Abbott, C. G., Washington, D. C. Variable-speed power-transmission mechanism. No. 893,416; July 14; Sp. p. 2052; Dr. p. 430; Gaz. vol. 135; p. 369.
Abbott, A. E., Rhyolite, Nev. Rotary engine. No. 883,605; Mar. 31; Sp. p. 6229; Dr. pp. 1328-9; Gaz. vol. 133; p. 1141.
Abbott, B. F., *et al.* (See Gordon, T. W., assignor.)
Abbott, C., *et al.* (See Fowler, S. E., assignor.)
Abbott, C. C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Counter operating and locking mechanism for voting-machines. No. 881,991; Mar. 17; Sp. p. 3016; Dr. pp. 643-4; Gaz. vol. 133; p. 554.
Abbott, C. C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Primary voting and vote-challenging mechanism for voting-machines. No. 881,992; Mar. 17; Sp. p. 3022; Dr. p. 644; Gaz. vol. 133; p. 554.
Abbott, C. C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Primary voting and vote-challenging mechanism for voting-machines. No. 881,993; Mar. 17; Sp. p. 3024; Dr. pp. 644-5; Gaz. vol. 133; p. 555.
Abbott, C. C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Interlocking member for voting-machines. No. 900,905; Oct. 13; Sp. p. 1776; Dr. p. 360; Gaz. vol. 136; p. 1373.
Abbott, C. C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Grouping mechanism for voting-machines. No. 900,906; Oct. 13; Sp. p. 1781; Dr. p. 360; Gaz. vol. 136; p. 1373.
Abbott, C. C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Detachable leg for voting-machines. No. 900,907; Oct. 13; Sp. p. 1786; Dr. pp. 360-1; Gaz. vol. 136; p. 1374.
Abbott, F. E., Buffalo, Minn. Briquet-making machine. No. 896,427; Aug. 18; Sp. p. 3281; Dr. pp. 704-5; Gaz. vol. 135; p. 1480.
Abbott, H., New York, N. Y. Forming foundations. No. 887,175; May 12; Sp. p. 1645; Dr. p. 349; Gaz. vol. 134; p. 302.
Abbott, H., assignor to Calculagraph Company, New York, N. Y. Time-printing mechanism. No. 878,447; Feb. 4; Sp. p. 1102; Dr. pp. 225-7; Gaz. vol. 132; p. 1030.
Abbott, J. H., Philadelphia, Pa. Dental tool. No. 891,651; June 23; Sp. p. 5026; Dr. p. 1082; Gaz. vol. 134; p. 1951.
Abbott, K. E., *et al.* (See Gordon, T. W., assignor.)
Abbott, M., Blytheville Miss. Farming implement. No. 883,072; Mar. 24; Sp. p. 5119; Dr. p. 1092; Gaz. vol. 133; p. 939.
Abbott, P., Oyster Bay, N. Y. Photographic developing apparatus. No. 891,391; June 23; Sp. p. 4476; Dr. pp. 974-5; Gaz. vol. 134; p. 1865.
Abbott, P., Oyster Bay, N. Y. Developing-box for photographic-film cartridges. No. 899,495; Sept. 29; Sp. p. 4433; Dr. p. 952; Gaz. vol. 136; p. 855.
Abbott, W. G., Jr., Philadelphia, Pa. Apparatus for pumping air and gases. No. 899,820; Sept. 29; Sp. p. 5129; Dr. pp. 1097-8; Gaz. vol. 136; p. 963.
Abe, I. L. and J., Alaska, W. Va. Lock-nut. No. 879,714; Feb. 18; Sp. p. 3755; Dr. p. 787; Gaz. vol. 132; p. 1517.
Abe, J. (See Abe, I. L. and J.)

Alphabetical list of patentees—Continued.

- Abel, F., Offenburg, Germany. Ceiling. No. 894,308; July 28; Sp. p. 4055; Dr. p. 837; Gaz. vol. 135; p. 714.
- Abel, J. D. (See Cogswell and Abel.)
- Abel, K., and F. Pervesler, Vienna, Austria-Hungary. Switch device. No. 878,591; Feb. 11; Sp. p. 1510; Dr. p. 307; Gaz. vol. 132; p. 1113.
- Abelli, M., Turin, Italy, assignor to Dinamite Nobel Societe Anonyme. Smokeless explosive. No. 899,855; Sept. 29; Sp. p. 5215; Gaz. vol. 136; p. 975.
- Abelson, W. C., Plaza, N. D. Shoe for sleds. No. 878,326; Feb. 4; Sp. p. 881; Dr. p. 176; Gaz. vol. 132; p. 990.
- Abendroth Brothers. (See Haskins, E. O., assignor.)
- Aberle, E., New York, N. Y. Reproduction of maps and the like. No. 885,418; Apr. 21; Sp. p. 3607; Dr. p. 756; Gaz. vol. 133; p. 1823.
- Aberle, E., New York, N. Y. Means for reproducing maps and the like. No. 903,531; Nov. 10; Sp. p. 1996; Gaz. vol. 137; p. 358.
- Abernethy, E. F., New York, assignor of one-half to G. H. Abernethy, Brooklyn, N. Y. Carbureter for explosive-engines. No. 906,671; Dec. 15; Sp. p. 3000; Gaz. vol. 137; p. 1541.
- Abernethy, E. F. and G. H., New York, N. Y. Carbureter for hydrocarbon-engines. No. 895,709; Aug. 11; Sp. p. 1857; Dr. p. 395; Gaz. vol. 135; p. 1226.
- Abernethy, G. H. (See Abernethy, E. F., assignor.)
- Abernethy, G. H. (See Abernethy, E. F. and G. H.)
- Abernethy, H. M., assignor to American Railway Signal Company, Cleveland, Ohio. Railway-signal. No. 908,189; Dec. 29; Sp. p. 6112; Gaz. vol. 137; p. 2106.
- Abery, E. K., Fort Wayne, Ind. Metal-punch. No. 891,516; June 23; Sp. p. 4733; Dr. p. 1024; Gaz. vol. 134; p. 1906.
- Abingdon Churn Co. (See Davis and Copeland, assignors.)
- Aborn, G. P., Boston, Mass., assignor to Blake & Knowles Steam Pump Works. Air-pump. No. 892,974; July 14; Sp. p. 1183; Dr. p. 249; Gaz. vol. 135; p. 225.
- Abraham, L., New York, N. Y. Packing-table. No. 888,681; May 26; Sp. p. 4741; Dr. p. 1007; Gaz. vol. 134; p. 861.
- Abraham, L., Milwaukee, Wis. Combination-muffler. No. 905,270; Dec. 1; Sp. p. 288; Gaz. vol. 137; p. 1033.
- Abrahams, M., New York, N. Y. Manufacture of oil-cloth. No. 899,821; Sept. 29; Sp. p. 5132; Gaz. vol. 136; p. 963.
- Abrahams, N., St. Louis, Mo. Builder's level. No. 885,658; Apr. 21; Sp. p. 4086; Dr. p. 855; Gaz. vol. 133; p. 1896.
- Abrahamson, H., Philadelphia, Pa. Cabinet. No. 894,871; Aug. 4; Sp. p. 134; Dr. p. 30; Gaz. vol. 135; p. 923.
- Abrahamson, M. A., Copenhagen, Denmark. Fire-alarm system. No. 876,512; Jan. 14; Sp. p. 1676; Dr. pp. 365-6; Gaz. vol. 132; p. 305.
- Abrams, F., and W. A. Doyle, Minden, Nebr. Wagon-tongue supporter. No. 876,760; Jan. 14; Sp. p. 2187; Dr. p. 480; Gaz. vol. 132; p. 388.
- Abrams, J. E., assignor to Continental Can Company, Syracuse, N. Y. Blank-feeding machine. No. 907,944; Dec. 29; Sp. p. 5588; Gaz. vol. 137; p. 2022.
- Abrams, J. H., Livingston, Mont. Device for loading and unloading racks from running-gears of wagons. No. 887,371; May 12; Sp. p. 2107; Dr. p. 442; Gaz. vol. 134; p. 369.
- Abrams, W. (See Benson and Abrams.)
- Abramson, A. C. (See Person, W., assignor.)
- Abramson, A. C., and W. Person, assignors to Rockford Cabinet Company, Rockford, Ill. Sectional case. No. 883,506; Mar. 31; Sp. p. 6045; Dr. p. 1290; Gaz. vol. 133; p. 1113.
- Abramson, J. (See Hinman, C. E., assignor.)
- Absolute Disinfecting Company. (See Goodhue and Henry, assignors.)
- Abts, W. H., Belden, Nebr. Fork-scraper. No. 879,134; Feb. 18; Sp. p. 2565; Dr. p. 534; Gaz. vol. 132; p. 1327.
- Ach, G. von, Newark, N. J. Apparatus for administering oxygen or the like. No. 890,484; June 9; Sp. p. 2583; Dr. pp. 571-2; Gaz. vol. 134; p. 1501.
- Ach, M., Egg, Vorarlberg, Austria-Hungary. Apparatus for cleansing corks. No. 880,955; Mar. 3; Sp. p. 943; Dr. p. 204; Gaz. vol. 133; p. 159.
- Aché, E. J., Bayou Goula, La. Hydrocarbon-burner. No. 904,911; Nov. 24; Sp. p. 4906; Gaz. vol. 137; p. 876.
- Acheson, E. G., Stamford township, Welland county, Ontario, Canada. Disintegrating graphite. No. 875,881; Jan. 7; Sp. p. 379; Dr. p. 83; Gaz. vol. 132; p. 70.
- Acheson, E. G., Stamford township, Welland county, Ontario, Canada. Mold and mold-lining. No. 881,645; Mar. 10; Sp. p. 2301; Dr. p. 498; Gaz. vol. 133; p. 414.
- Acheson, E. G., Stamford township, Welland county, Ontario, Canada. Preparing a paste or cake of deflocculated material. No. 895,063; Aug. 4; Sp. p. 576; Gaz. vol. 135; p. 989.
- Acheson, E. G., Niagara Falls, N. Y. Silicocon-coated carbon-containing article. No. 895,531; Aug. 11; Sp. p. 1522; Gaz. vol. 135; p. 1170.
- Acheson, J. M., Portland, Oreg. Display-cabinet. No. 877,751; Jan. 28; Sp. p. 4218; Dr. pp. 914-15; Gaz. vol. 132; p. 774.
- Acheson, J. M., Portland, Oreg. Garment-hanger. No. 881,277; Mar. 10; Sp. p. 1578; Dr. p. 337; Gaz. vol. 133; p. 294.
- Acheson, J. M., Portland, Oreg. Combination table and fitting-stand. No. 881,278; Mar. 10; Sp. p. 1578; Dr. p. 337; Gaz. vol. 133; p. 295.
- Achfeldt, M. (See Farra, E. S., assignor.)
- Acken, T. M., et al. (See McCarty, W. F. M., assignor.)
- Acker, C. E., Niagara Falls, assignor, by mesne assignments, to M. Stine, New York, N. Y. Making carbon tetrachlorid. No. 891,896; June 30; Sp. p. 5523; Dr. p. 1193; Gaz. vol. 134; p. 2064.
- Acker, C., and G. R. Glossop, Rushville, Ill. Combined shaft and pole for vehicles. No. 888,379; May 19; Sp. p. 4087; Dr. p. 862; Gaz. vol. 134; p. 728.
- Ackerman, A. A., Chicago, Ill., assignor, by mesne assignments, to Warren Featherbone Company of Michigan, Three Oaks, Mich. Stiffening-strip. No. 902,194; Oct. 27; Sp. p. 4438; Dr. p. 898; Gaz. vol. 136; p. 1858.
- Ackerman, C. V., Passaic, N. J. Manufacture of covered wire. No. 894,790; July 28; Sp. p. 4989; Dr. p. 1042; Gaz. vol. 135; p. 870.
- Ackerman, E. S., assignor of one-half to W. E. Cunningham Cleveland, Ohio. Vehicle-brake. No. 877,031; Jan. 21; Sp. p. 2778; Dr. p. 601; Gaz. vol. 132; p. 519.
- Ackerman, J. C. (See Gans and Ackerman.)
- Ackerman, M., Albany, Oreg., assignor to Albany Lumber Company. Lumber-truck. No. 908,372; Dec. 29; Sp. p. 6498; Gaz. vol. 137; p. 2169.
- Ackermann, J. B., Grand Rapids, Mich. Scraper. No. 888,775; May 26; Sp. p. 4928; Dr. p. 1050; Gaz. vol. 134; p. 890.
- Ackermann, J. B., Grand Rapids, Mich. Sweeping attachment for floor-scrappers. No. 889,496; June 2; Sp. p. 618; Dr. p. 144; Gaz. vol. 134; p. 1155.
- Ackermann, W., Wilmersdorf, near Berlin, Germany. Coating the surfaces of vessels. No. 881,759; Mar. 10; Sp. p. 2514; Gaz. vol. 133; p. 448.
- Ackley, D. S., Grand Rapids, Mich. Knockdown veneer-press. No. 894,176; July 28; Sp. p. 3762; Dr. pp. 779-80; Gaz. vol. 135; p. 669.
- Ackley, H. M., Chicago, Ill. Sectional ladder. No. 904,591; Nov. 24; Sp. p. 4225; Gaz. vol. 137; p. 769.
- Ackroyd, W., Wortley, Leeds, and C. A. M. Buckley, Batley, near Leeds, England. Superheater for steam-boilers. No. 894,566; July 28; Sp. p. 4572; Dr. p. 947; Gaz. vol. 135; p. 798.
- Acme Automatic Street Indicating Company. (See Small, T. W., assignor.)
- Acme Automatic Street Indicating Device. (See Small, T. W., assignor.)
- Acme Door and Glass Company. (See Stockwell, M. E., assignor.)
- Acme Flexible Clasp Company. (See Norton, R. H., assignor.)
- Acme Manufacturing Company. (See Hachmann and Erickson, assignors.)
- Acme Shear Company. (See Conway, J. J., assignor.)
- Acme Wire Company. (See Lewis, C. H., assignor.)
- Acorn Brass Manufacturing Company. (See Sumner, A. D., assignor.)
- Acosta, W. J. (See Wallis, T. H., assignor.)
- Action-Gesellschaft der Dillinger Hüttenwerke. (See Eisentraut and Vieler, assignors.)
- Action Gesellschaft für Anilin Fabrikation. (See Geldermann, H., assignor.)
- Action Gesellschaft für Anilin Fabrikation. (See Herzberg and Oster, assignors.)
- Action Gesellschaft für Anilin Fabrikation. (See Herzberg and Spengler, assignors.)
- Actiengesellschaft Brown, Boveri & Co. (See Brown, C. E. L., assignor.)
- Actiengesellschaft "Magna." (See Fischer, M., assignor.)
- Actiengesellschaft "Magna." (Electriche Uhren Ohne Batterie & Ohne Contacte). (See Fischer, M., assignor.)
- Actiengesellschaft vormals F. Martini & Cie. (See Joos, C., assignor.)
- Actiengesellschaft, vormals F. Martini & Co., Firm of. (See Kugler, F., assignor.)
- Actual Knitting Mills. (See Sander, C., assignor.)
- Adair, A. (See Cooper, L. M., assignor.)
- Adair, A., Johannesburg, Transvaal. Treating comminuted solids with liquids. No. 894,417; July 28; Sp. p. 4276; Dr. p. 882; Gaz. vol. 135; p. 749.

Alphabetical list of patentees—Continued.

- Adair, J. W., Marion, Ohio. Wheeled crutch. No. 906,845; Dec. 15; Sp. p. 3338; Gaz. vol. 137; p. 1597.
- Adam, F. (See Planta and Adam.)
- Adam, R. E., Corona, N. Y. Hat-pressing machine. No. 907,113; Dec. 22; Sp. p. 3858; Gaz. vol. 137; p. 1717.
- Adams, A. H., Antwerp, Belgium, assignor to Western Electric Company, Chicago, Ill. Designation-plug for telephone-switchboards. No. 875,882; Jan. 7; Sp. p. 380; Dr. p. 84; Gaz. vol. 132; p. 70.
- Adams, A. L., Bridgeport, Conn. Machine for winding and cutting cloth rolls. No. 878,705; Feb. 11; Sp. p. 1728; Dr. pp. 357-8; Gaz. vol. 132; p. 1150.
- Adams, A. L., Cedar Rapids, Iowa. Rope-clamp. No. 881,760; Mar. 10; Sp. p. 2515; Dr. p. 542; Gaz. vol. 133; p. 448.
- Adams, C. E., Scrubgrass, assignor of one-half to B. H. Osborne, Franklin, Pa. Pipe-wrench. No. 902,041; Oct. 27; Sp. p. 4139; Dr. p. 838; Gaz. vol. 136; p. 1810.
- Adams, D. F., Providence, R. I. Ring. No. 882,810; Mar. 24; Sp. p. 4608; Dr. p. 982; Gaz. vol. 133; p. 854.
- Adams, E. C., Allegheny, Pa. Measuring device. No. 886,106; Apr. 28; Sp. p. 5024; Dr. p. 1056; Gaz. vol. 133; p. 2074.
- Adams, E. E., Omaha, Nebr. Revolving flash-lamp. No. 882,442; Mar. 17; Sp. p. 3871; Dr. p. 827; Gaz. vol. 133; p. 700.
- Adams, E. G., near Plain City, Ohio. Corn-husking machine. No. 881,761; Mar. 10; Sp. p. 2516; Dr. p. 542; Gaz. vol. 133; p. 449.
- Adams, E. G., near Plain City, Ohio. Dust-receptacle. No. 899,937; Sept. 29; Sp. p. 5380; Dr. p. 1148; Gaz. vol. 136; p. 999.
- Adams, E. M., and E. A. Shutt, Akron, Ohio. Oil-cup. No. 896,343; Aug. 18; Sp. p. 3109; Dr. p. 668; Gaz. vol. 135; p. 1452.
- Adams and Elting Company. (See Dosselman, G., assignor.)
- Adams and Elting Company. (See Dosselman and Motter, assignors.)
- Adams, F., Pawtucket, R. I. Curtain-bracket and shade-roller support. No. 878,448; Feb. 4; Sp. p. 1108; Dr. p. 227; Gaz. vol. 132; p. 1031.
- Adams, F. E., Boston, Mass., and C. W. Kragh, Madison, Wis., assignors to Coffin Valve Company. Device for indicating the position of water or sluice gate valves. No. 876,423; Jan. 14; Sp. p. 1486; Dr. pp. 319-20; Gaz. vol. 132; p. 274.
- Adams, F. L., *et al.* (See Smith, W. D., assignor.)
- Adams, F. L., Prophetstown, Ill. Journal-bearing. No. 878,031; Feb. 4; Sp. p. 288; Dr. p. 61; Gaz. vol. 132; p. 895.
- Adams, F. W., Selma, Iowa. Automatic drain-cock for air-brakes. No. 891,808; June 30; Sp. p. 5353; Dr. p. 1159; Gaz. vol. 134; p. 2035.
- Adams, F. X. (See Layman, P. J., assignor.)
- Adams, G. A., *et al.* (See Crepar, T. M., assignor.)
- Adams, G. D., *et al.* (See Rogers, J., assignor.)
- Adams, G. S., Seaville, N. J. Rake. No. 885,309; Apr. 21; Sp. p. 3381; Dr. p. 707; Gaz. vol. 133; p. 1787.
- Adams, H. A. (See Nicholson, J. J., assignor.)
- Adams, H. A., East Hartford, Conn. Parallel clamp. No. 895,831; July 21; Sp. p. 3046; Dr. p. 622; Gaz. vol. 135; p. 337.
- Adams, H. W., assignor of one-half to P. W. Farnham, Fargo, N. D. Internal-combustion engine. No. 877,818; Jan. 28; Sp. p. 4326; Dr. p. 940; Gaz. vol. 132; p. 795.
- Adams, H. W., assignor of one-half to P. W. Farnham, Fargo, N. D. Compressor for internal-combustion engines. No. 881,040; Mar. 3; Sp. p. 1093; Dr. p. 237; Gaz. vol. 133; p. 187.
- Adams, J., Washington, Mo. Cattle-guard gate. No. 902,518; Oct. 27; Sp. p. 5152; Dr. p. 1043; Gaz. vol. 136; p. 1967.
- Adams, J. A., Woodville, Okla. Seed-cotton-drying apparatus. No. 879,715; Feb. 18; Sp. p. 3757; Dr. p. 788; Gaz. vol. 132; p. 1517.
- Adams, J. C. L., Saylor, Okla. Cutter-stay for plows. No. 907,671; Dec. 22; Sp. p. 5048; Gaz. vol. 137; p. 1904.
- Adams, J. L. (See Haley, J. W., assignor.)
- Adams, J. L., Tacoma, Wash. Rotary engine. No. 878,327; Feb. 4; Sp. p. 882; Dr. pp. 176-7; Gaz. vol. 132; p. 991;
- Adams, J. M., Melrose, Mass. Snap-fastener. No. 885,419; Apr. 21; Sp. p. 3609; Dr. p. 756; Gaz. vol. 133; p. 1823.
- Adams, J. Q., West Union, Iowa. Mail catching and delivering apparatus. No. 890,391; June 9; Sp. p. 2417; Dr. p. 533; Gaz. vol. 134; p. 1473.
- Adams, J. Q., West Union, Iowa. Rotary engine. No. 890,392; June 9; Sp. p. 2419; Dr. p. 534; Gaz. vol. 134; p. 1473.
- Adams, L. M., Fort Steele, British Columbia, Canada. Clothes-washing machine. No. 886,168; Apr. 28; Sp. p. 5138; Dr. p. 1080; Gaz. vol. 133; p. 2093.
- Adams, M. A., Cincinnati, Ohio. Receptacle. No. 904,745; Nov. 24; Sp. p. 4550; Gaz. vol. 137; p. 821.
- Adams, P. O., Cameron, Tex. Rail-joint. No. 877,279; Jan. 21; Sp. p. 3288; Dr. p. 711; Gaz. vol. 132; p. 602.
- Adams, P. O., Cameron, Tex. Railway-crossing. No. 904,037; Nov. 17; Sp. p. 3046; Gaz. vol. 137; p. 554.
- Adams, R. C. (See Watres, L. S., assignor.)
- Adams, R. E. (See Roadier, E., assignor.)
- Adams-Randall, C., New York, N. Y. Wheel. No. 878,592; Feb. 11; Sp. p. 1511; Dr. p. 307; Gaz. vol. 132; p. 1114.
- Adams, S. H., Fulford, near York, England. Spraying-nozzle. No. 889,424; June 2; Sp. p. 465; Dr. p. 111; Gaz. vol. 134; p. 1133.
- Adams, S. S., Plainfield, N. J. Bellows package for distributing powder. No. 899,496; Sept. 29; Sp. p. 4438; Dr. p. 952; Gaz. vol. 136; p. 855.
- Adams, S. S., Monroe county, Ky. Bicycle tire and rim. No. 906,182; Dec. 8; Sp. p. 2098; Gaz. vol. 137; p. 1360.
- Adams, T., Highland, N. Y. Blackboard-eraser cleaner. No. 906,983; Dec. 15; Sp. p. 3592; Gaz. vol. 137; p. 1640.
- Adams, T. C., Freeport, Pa. Rail-joint. No. 886,107; Apr. 28; Sp. p. 5025; Dr. p. 1056; Gaz. vol. 133; p. 2075.
- Adams, T. E., Cleveland, Ohio. Electric arc lamp. No. 880,435; Feb. 25; Sp. p. 5250; Dr. p. 1104; Gaz. vol. 132; p. 1780.
- Adams, T. E., Pine Bluff, Ark., and C. H. Howard, assignors to Locomotive Tender Frame Company, St. Louis, Mo. Steam-shovel-car underframe. No. 905,127; Dec. 1; Sp. p. 1; Gaz. vol. 137; p. 985.
- Adams, V. B. (See Schaller and Adams.)
- Adams, V. B., Cincinnati, Ohio, and G. J. Schaller, Covington, Ky. Soap-holder for washboards. No. 901,768; Oct. 20; Sp. p. 3582; Dr. p. 725; Gaz. vol. 136; p. 1692.
- Adams, W. H. (See Carroll and Adams.)
- Adams, W. H., Sound Beach, Conn. Drill attachment. No. 879,430; Feb. 18; Sp. p. 3160; Dr. pp. 657-8; Gaz. vol. 132; p. 1425.
- Adams, W. H., assignor to Eastern Finishing Works, Lawrence, Mass. Apparatus for striping fabric. No. 896,504; Aug. 18; Sp. p. 3444; Dr. pp. 740-1; Gaz. vol. 135; p. 1506.
- Adams, W. S., assignor to J. G. Brill Company, Philadelphia, Pa. Brake mechanism for car-trucks. No. 879,606; Feb. 18; Sp. p. 3539; Dr. pp. 741-2; Gaz. vol. 132; p. 1481.
- Adams, W. S., assignor to J. G. Brill Company, Philadelphia, Pa. Sand-box for cars. No. 895,828; Aug. 11; Sp. p. 2117; Dr. p. 406; Gaz. vol. 135; p. 1264.
- Adams, W. T. (See Green, F. D., assignor.)
- Adams, W. T., assignor to Reading Hardware Company, Reading, Pa. Door-check. No. 884,789; Apr. 14; Sp. p. 2317; Dr. p. 487; Gaz. vol. 133; p. 1588.
- Adams and Westlake Company. (See Hamm, W. S., assignor.)
- Adams & Westlake Company. (See McAdory, T. H., assignor.)
- Adamson, C. E., Marion, Ind. Copy-press. No. 880,491; Mar. 3; Sp. p. 1; Dr. p. 1; Gaz. vol. 133; p. 3.
- Adamson, C. E., Muncie, Ind. Rotary copying-press. No. 880,492; Mar. 3; Sp. p. 3; Dr. p. 1; Gaz. vol. 133; p. 3.
- Adamson, F. M. (See Miller and Adamson.)
- Adcock, G. T., Burns, Tenn. Stove and heater attachment. No. 897,863; Sept. 8; Sp. p. 1273; Dr. p. 272; Gaz. vol. 136; p. 233.
- Adda, L. d', Turin, Italy. Battleship protection by means of concrete. No. 906,846; Dec. 15; Sp. p. 3340; Gaz. vol. 137; p. 1597.
- Adde, S. A. (See Ek, E., assignor.)
- Adder Cash Register Syndicate. (See Postans, A. J., assignor.)
- Adder Machine Company. (See McFarland, C. N., assignor.)
- Adder Machine Company. (See McFarland and Wales, assignors.)
- Adder Machine Company. (See Wales, C., assignor.)
- Addie, H. G., Cresco, Iowa. Clip. No. 884,256; Apr. 7; Sp. p. 1209; Dr. p. 254; Gaz. vol. 133; p. 1383.
- Addington, M. L., assignor of one-third to J. E. Hafner, Indianapolis, Ind. Retrieving mechanism for trolley-poles. No. 906,984; Dec. 15; Sp. p. 3594; Gaz. vol. 137; p. 1640.
- Addington, W. W., Independence, Kans. Railway-switch. No. 890,393; June 9; Sp. p. 2420; Dr. p. 534; Gaz. vol. 134; p. 1473.
- Addis, F., *et al.* (See Thomas, L., assignor.)
- Addis, F. H., Bridlington, England. Footwear. No. 896,880; Aug. 25; Sp. p. 4213; Dr. p. 901; Gaz. vol. 135; p. 1650.
- Additon, F., Flowery Branch, Ga. Folding safe. No. 889,741; June 2; Sp. p. 1082; Dr. p. 250; Gaz. vol. 134; p. 1233.
- Addograph Manufacturing Company. (See Uebbing and Marshall, assignors.)
- Addressograph Company. (See Duncan, J. S., assignor.)
- Adelhelm, C., assignor to himself and P. T. Harmon, Chicago, Ill. Amusement device. No. 899,497; Sept. 29; Sp. p. 4440; Dr. p. 952-3; Gaz. vol. 136; p. 855.
- Adell, J. A. (See Starrett and Adell, assignors.)
- Adelson, A., Oakland, Cal. Bottle-closure. No. 884,257; Apr. 7; Sp. p. 1210; Dr. p. 254; Gaz. vol. 133; p. 1383.
- Adelson, M. (See Adelson, S. L., assignor.)
- Adelson, S. L., assignor of one-half to M. Adelson, New York, N. Y. Safety apparatus for railways. No. 901,668; Oct. 20; Sp. p. 3338; Dr. p. 686; Gaz. vol. 136; p. 1657.

Alphabetical list of patentees—Continued.

- Aden, J., Greensboro, N. C. Lubricating attachment for axles. No. 893,122; July 14; Sp. p. 1488; Dr. pp. 314-15; Gaz. vol. 135; p. 274.
- Aden, J., Greensboro, N. C. Axle-lubricator. No. 900,252; Oct. 6; Sp. p. 368; Dr. p. 76; Gaz. vol. 136; p. 1132.
- Aderer, J., New York, N. Y. Nut-lock. No. 900,462; Oct. 6; Sp. p. 844; Dr. p. 171; Gaz. vol. 136; p. 1202.
- Adjustable Seal Company. (See Gottschalk, F., assignor.)
- Adkins, W. J., Little Sandy, Ky. Spoke-machine. No. 898,622; Sept. 15; Sp. p. 2783; Dr. pp. 594-5; Gaz. vol. 136; p. 509.
- Adlam, E. G., Bristol, England. Apparatus for malting. No. 883,848; Apr. 7; Sp. p. 359; Dr. p. 70; Gaz. vol. 133; p. 1248.
- Adler, A., assignor to R. Neufeld, Vienna, Austria-Hungary. Manufacturing elastic material. No. 897,354; Sept. 1; Sp. p. 170; Gaz. vol. 136; p. 25.
- Adler, H., Pittsburg, assignor to H. Adler Company, Incorporated, Carnegie, Pa. Ladder. No. 884,120; Apr. 7; Sp. p. 944; Dr. p. 198; Gaz. vol. 133; p. 1339.
- Adler, H. M., Boston, Mass. Loose-leaf binder. No. 882,284; Mar. 17; Sp. p. 3599; Dr. p. 763; Gaz. vol. 133; p. 649.
- Adler, J., New York, N. Y. Match-box and cigar-cutter. No. 907,709; Dec. 29; Sp. p. 5121; Gaz. vol. 137; p. 1947.
- Admiral Hay Press Co. (See Tallman, H. M., assignor.)
- Adnet, C. E. (See Cambier, Tixier, and Adnet.)
- Adnson, R., Cleghorn, Iowa. Propeller for boats. No. 902,362; Oct. 27; Sp. p. 4805; Dr. p. 970; Gaz. vol. 136; p. 1915.
- Adolf Bleichert & Company. (See Schütz, R., assignor.)
- Adolph, G., Annemondorf, and S. Pietzsch, assignors to Chemische Fabrik Buckau, Magdeburg, Germany. Electrolytically producing chromic acid from chromic sulfate. No. 895,930; Aug. 11; Sp. p. 2299; Gaz. vol. 135; p. 1296.
- Adreon, E. L., Jr., St. Louis, Mo. Reinforcing-bar. No. 881,762; Mar. 10; Sp. p. 2518; Dr. p. 542; Gaz. vol. 133; p. 449.
- Adreon, R. E., assignor to Westinghouse Automatic Air & Steam Coupler Company, St. Louis, Mo. Automatic train-pipe coupling. No. 890,831; June 16; Sp. p. 3334; Dr. p. 730; Gaz. vol. 134; p. 1651.
- Adrian Wire Fence Company. (See Sturtevant, O. S., assignor.)
- Adriance, B., Brooklyn, N. Y. Bottle cap or closure. No. 887,897; May 19; Sp. p. 3181; Dr. p. 670; Gaz. vol. 134; p. 574.
- Adt, L. F., *et al.* (See Becker, L. B., assignor.)
- Adt, L. F., Troy, N. Y. Lens-mount for eyeglasses. No. 875,883; Jan. 7; Sp. p. 381; Dr. p. 84; Gaz. vol. 132; p. 70.
- Adt, L. F., Troy, N. Y. Nose-guard for eyeglasses. No. 877,625; Jan. 28; Sp. p. 3989; Dr. p. 862; Gaz. vol. 132; p. 735.
- Adt, L. F., Troy, N. Y. Nose-guard for eyeglasses. No. 887,898; May 19; Sp. p. 3183; Dr. p. 670; Gaz. vol. 134; p. 574.
- Adt, L. F., Albany, N. Y. Mounting for eyeglasses. No. 877,626; Jan. 28; Sp. p. 3992; Dr. p. 862; Gaz. vol. 132; p. 735.
- Adt, L. F., Albany, N. Y. Mounting for eyeglasses. No. 887,899; May 19; Sp. p. 3185; Dr. p. 670; Gaz. vol. 134; p. 574.
- Adt, L. F., Albany, N. Y. Mounting for eyeglasses. No. 887,900; May 19; Sp. p. 3187; Dr. p. 670; Gaz. vol. 134; p. 574.
- Adt, L. F., Albany, N. Y. Eyeglasses. No. 887,901; May 19; Sp. p. 3190; Dr. p. 671; Gaz. vol. 134; p. 575.
- Adt, L. F., Albany, N. Y. Eyeglasses. No. 887,902; May 19; Sp. p. 3192; Dr. p. 671; Gaz. vol. 134; p. 575.
- Adt, L. F., Albany, N. Y. Eyeglasses. No. 887,903; May 19; Sp. p. 3195; Dr. pp. 671-2; Gaz. vol. 134; p. 575.
- Adt, L. F., Albany, N. Y. Adjustable nose-guard. No. 887,904; May 19; Sp. p. 3197; Dr. p. 672; Gaz. vol. 134; p. 575.
- Adt, L. F., Albany, N. Y. Guard for eyeglasses. No. 887,905; May 19; Sp. p. 3198; Dr. p. 672; Gaz. vol. 134; p. 576.
- Adt, L. F., Albany, N. Y. Eyeglasses. No. 895,931; Aug. 11; Sp. p. 2301; Dr. p. 490; Gaz. vol. 135; p. 1297.
- Adt, L. F., Albany, N. Y. Nose-guard. No. 895,932; Aug. 11; Sp. p. 2303; Dr. p. 491; Gaz. vol. 135; p. 1297.
- Advance Thresher Co. (See Footitt, W. J., assignor.)
- Aebi, C. J., assignor to Victor Safe & Lock Company, Cincinnati, Ohio. Safe. No. 907,710; Dec. 29; Sp. p. 5122; Gaz. vol. 137; p. 1947.
- Aeolian Company. (See Chester, A. T., assignor.)
- Aeolian Company. (See Dickinson, J. H., assignor.)
- Aeolian Company. (See Kelly, G. B., assignor.)
- Aeolian Company. (See Kelly and Wood, assignors.)
- Aeolian Company. (See Prettie, R. J., assignor.)
- Aeolian Company. (See Wood, F. L., assignor.)
- Aeolian Company. (See Young, F. L., assignor.)
- Aerating Machine Manufacturing Company. (See Pein, H., assignor.)
- Aermotor Company. (See Noyes and Scholes, assignors.)
- Aermotor Company. (See Scholes, D. R., assignor.)
- Aero Pulverizer Company. (See Martin, F., assignor.)
- Aeschlimann, A. E., Taylor, Tex. Indicator for clocks or watches. No. 904,291; Nov. 17; Sp. p. 3612; Gaz. vol. 137; p. 643.
- Aeschlimann, A. E., assignor of two-thirds to M. F. Klattenhoff and J. F. Schriever, Taylor, Tex. Wrench. No. 904,468; Nov. 17; Sp. p. 3960; Gaz. vol. 137; p. 702.
- Aetna Light and Heat Company. (See Harleman, J., assignor.)
- Affleck, D. S., Chicago, Ill. Air-brake valve. No. 897,696; Sept. 1; Sp. p. 924; Dr. p. 196; Gaz. vol. 136; p. 148.
- Affleck, W. B., Philadelphia, Pa. Table for meat, sausage, and the like. No. 888,294; May 19; Sp. p. 3928; Dr. p. 826; Gaz. vol. 134; p. 762.
- Agar, J., East Orange, N. J. Safety device for hat-brims in curling-machines. No. 895,609; Aug. 11; Sp. p. 1665; Dr. p. 351; Gaz. vol. 135; p. 1193.
- Agee, J. F., Quanah, Tex. Combined cotton chopper and cultivator. No. 904,038; Nov. 17; Sp. p. 3048; Gaz. vol. 137; p. 555.
- Agarter, W. T., *et al.* (See Haines, L. A., assignor.)
- Aggett, C. J., *et al.* (See Boyler, E. J., assignor.)
- Agnew, E. N. (See Braden and Agnew.)
- Agnew, J. B., Sr., Curwensville, Pa. Device for recovering sunken logs. No. 905,620; Dec. 1; Sp. p. 1019; Gaz. vol. 137; p. 1147.
- Agnew, L. P., Wapanucka, Okla. Baling-press. No. 877,819; Jan. 28; Sp. p. 4330; Dr. pp. 940-1; Gaz. vol. 132; p. 795.
- Agobian, G. (See Head, W. N., assignor.)
- Agrell, G. A. M., Stockholm, Sweden. Type-printing-telegraph apparatus. No. 902,792; Nov. 3; Sp. p. 500; Gaz. vol. 137; p. 87.
- Agricola, H. A., Jr., Atlanta, Ga. Two-color-printing press. No. 891,392; June 23; Sp. p. 4481; Dr. p. 975; Gaz. vol. 134; p. 1866.
- Ahlberg, A., St. Paul, Minn. Door-catch. No. 885,213; Apr. 21; Sp. p. 3193; Dr. p. 668; Gaz. vol. 133; p. 1755.
- Ahlberg, A. F., assignor to Aktiebolaget Separator, Stockholm, Sweden. Device for removing and replacing the conical disks in a centrifugal separator-bowl. No. 905,826; Dec. 8; Sp. p. 1419; Gaz. vol. 137; p. 1245.
- Ahlberg, J., Chicago, Ill. Temporary binder. No. 884,351; Apr. 14; Sp. p. 1387; Dr. p. 297; Gaz. vol. 133; p. 1441.
- Ahlbrecht, A., Pittsburg, Pa. Apparatus for propelling vessels. No. 888,053; May 19; Sp. p. 3475; Dr. p. 728; Gaz. vol. 134; p. 623.
- Ahlders, B. E., Indianapolis, Ind. Railway-signal. No. 879,431; Feb. 18; Sp. p. 3162; Dr. p. 658; Gaz. vol. 132; p. 1425.
- Ahlemeier, O. H., Poland, Ind. Gate. No. 882,987; Mar. 24; Sp. p. 4964; Dr. p. 1056; Gaz. vol. 133; p. 912.
- Ahlen, W. (See Williams and Ahlen.)
- Ahlen, W. (See Williams, Ahlen, and Diehl.)
- Ahlrs, F. R., Lamotte, Iowa. Hoof-protector for animals. No. 903,943; Nov. 17; Sp. p. 2871; Gaz. vol. 137; p. 524.
- Ahlm, C. E. F. (See Pifer and Ahlm.)
- Ahlm, C. E. F., Cleveland, Ohio, assignor to Electric Controller & Supply Company. Magnet-shield. No. 906,599; Dec. 15; Sp. p. 2864; Gaz. vol. 137; p. 1519.
- Ahnfeldt, H., Butte, Mont. Pocket. No. 898,299; Sept. 8; Sp. p. 2153; Dr. p. 457; Gaz. vol. 136; p. 371.
- Ahrens, H., Halle-on-the-Saale, Germany. Adjusting apparatus for instruments of precision. No. 890,394; June 9; Sp. p. 2422; Dr. p. 535; Gaz. vol. 134; p. 1473.
- Ahrens, H. C., Cincinnati, Ohio. Knocking-pen. No. 907,215; Dec. 22; Sp. p. 4071; Gaz. vol. 137; p. 1751.
- Ahrens, J. F., New York, N. Y. Bottle-label. No. 880,115; Feb. 25; Sp. p. 4587; Dr. p. 966; Gaz. vol. 132; p. 1681.
- Aiken, A. M., Cleveland, Ohio. Sanitary protector. No. 899,196; Sept. 22; Sp. p. 3865; Dr. p. 826; Gaz. vol. 136; p. 723.
- Aiken, A. P., Braddock, assignor of two-thirds to J. F. Lewis and M. Killeen, Allegheny, Pa. Blast-furnace-charging apparatus. No. 898,818; Sept. 15; Sp. p. 3151; Dr. p. 674; Gaz. vol. 136; p. 572.
- Aiken, C. W. (See Pullen, E. P., assignor.)
- Aiken, E. L., East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 878,032; Feb. 4; Sp. p. 289; Dr. p. 61; Gaz. vol. 132; p. 895.
- Aiken, H., Pittsburg, Pa. Truck side frame. No. 877,280; Jan. 21; Sp. p. 3290; Dr. pp. 711-12; Gaz. vol. 132; p. 603.
- Aiken, H., Pittsburg, Pa. Bolster. No. 895,323; Aug. 4; Sp. p. 1106; Dr. p. 232; Gaz. vol. 135; p. 1077.
- Aiken, H., Pittsburg, Pa. Truck side frame. No. 900,463; Oct. 6; Sp. p. 845; Dr. p. 171; Gaz. vol. 136; p. 1203.
- Aiken, H., Pittsburg, Pa. Ingot-stripper. No. 905,827; Dec. 8; Sp. p. 1419; Gaz. vol. 137; p. 1245.
- Aiken, H., Pittsburg, Pa. Ingot-extractor. No. 906,359; Dec. 8; Sp. p. 2436; Gaz. vol. 137; p. 1418.
- Aiken, H. C., New York, N. Y. Sofa-bedstead. No. 894,805; Aug. 4; Sp. p. 1; Dr. p. 1; Gaz. vol. 135; p. 805.
- Aiken, R. H., Winthrop Harbor, Ill. Reinforced concrete construction. No. 889,083; May 26; Sp. p. 5547; Dr. p. 1178; Gaz. vol. 134; p. 990.
- Aikman, B., Chicago, Ill., assignor to National Brake and Electric Company, Milwaukee, Wis. Automatic braking system. No. 886,460; May 5; Sp. p. 233; Dr. pp. 49-50; Gaz. vol. 134; p. 44.

Alphabetical list of patentees—Continued.

- Aikman, B., Chicago, Ill., assignor to National Brake and Electric Company, Milwaukee, Wis. Valve-oiling device. No. 886,461; May 5; Sp. p. 240; Dr. p. 50; Gaz. vol. 134; p. 45.
- Aikman, B., Chicago, Ill., assignor to National Brake and Electric Company, Milwaukee, Wis. Air-brake system. No. 900,639; Oct. 6; Sp. p. 1214; Dr. pp. 249-50; Gaz. vol. 136; p. 1259.
- Aikman, B., Chicago, Ill., assignor to National Brake & Electric Company, Milwaukee, Wis. Fluid-pressure system. No. 902,637; Nov. 3; Sp. p. 208; Gaz. vol. 137; p. 35.
- Aiman, A. S., Philadelphia, Pa. Weather-strip. No. 886,573; May 5; Sp. p. 454; Dr. p. 97; Gaz. vol. 134; p. 83.
- Ainslie, W. L., assignor of one-half to Cummer Lumber Company, Jacksonville, Fla. Automatic assembler. No. 887,731; May 12; Sp. p. 2820; Dr. p. 556; Gaz. vol. 134; p. 489.
- Ainsworth, J. (See Cunniff and Ainsworth.)
- Ainsworth, M., Sedalia, Mo. Coaster-brake. No. 897,952; Sept. 8; Sp. p. 1480; Dr. p. 315; Gaz. vol. 136; p. 263.
- Air Blast Gin Company. (See Lumpkin, R. B., assignor.)
- Air-Brake and Steam-Heat Connection Company. (See Kilpatrick, W. W., assignor.)
- Aitken, W. T. (See McKinley and Aitken.)
- Ajax Metal Company. (See Clamer and Hendrickson, assignors.) (Reissue.)
- Ajax Valve Company. (See Ricksecker, A. C., assignor.)
- Ajax Valve Company. (See Ricksecker, A. C., Jr., assignor.)
- Akehurst, G. W. T., White Marsh, Md. Vehicle-wheel. No. 878,266; Feb. 4; Sp. p. 769; Dr. p. 154; Gaz. vol. 132; p. 972.
- Akerly, F. F., and W. Borchert, Reno, Nev. Machine for feeding and affixing laundry-tags. No. 878,593; Feb. 11; Sp. p. 1513; Dr. p. 308; Gaz. vol. 132; p. 1114.
- Akerman, N. A., Astoria, Oreg. Fish-trap. No. 885,311; Apr. 21; Sp. p. 3389; Dr. pp. 708-9; Gaz. vol. 133; p. 1788.
- Akers, E. C., Port Huron, Mich. Steering-gear for boats. No. 885,312; Apr. 21; Sp. p. 3392; Dr. p. 709; Gaz. vol. 133; p. 1789.
- Akers, H. H., assignor to H. H. Akers Manufacturing Company, Cherryvale, Kans. Mail-bag catcher and deliverer. No. 888,414; May 19; Sp. p. 4173; Dr. p. 883; Gaz. vol. 134; p. 740.
- Akers, H. H., assignor to H. H. Akers Manufacturing Company, Cherryvale, Kans. Mail-bag catcher and deliverer. No. 893,966; July 21; Sp. p. 3307; Dr. p. 679; Gaz. vol. 135; p. 580.
- Akers, H. H., Cherryvale, Kans. Stovepipe-fastener. No. 905,828; Dec. 8; Sp. p. 1421; Gaz. vol. 137; p. 1244.
- Akers, M. K. (See Brooks and Akers.)
- Akeson, A., Worcester, Mass. Hydrocarbon-burner. No. 883,373; Mar. 31; Sp. p. 5750; Dr. p. 1228; Gaz. vol. 133; p. 1068.
- Akeson, A., Worcester, Mass. Feed device for hydrocarbon-burners. No. 883,374; Mar. 31; Sp. p. 5753; Dr. p. 1229; Gaz. vol. 133; p. 1068.
- Akin, W. J., New York, N. Y. Puzzle. No. 896,344; Aug. 18; Sp. p. 3111; Dr. p. 668; Gaz. vol. 135; p. 1452.
- Akins, H. (See Bird and Akins.)
- Akins, R. P. (See Evans and Akins.)
- Akre, O. T., Wallingford, Iowa. Weather-strip. No. 891,652; June 23; Sp. p. 5027; Dr. p. 1082; Gaz. vol. 134; p. 1951.
- Akron Clutch Company. (See Haerberlin, H., assignor.)
- Aktiebolaget B. A. Hjorth & Co. (See Larsson, D., assignor.)
- Aktiebolaget Baltic-Separator. (See Risberg, J. V. M., assignor.)
- Aktiebolaget Gas Accumulator. (See Dalén, G., assignor.)
- Aktiebolaget L. M. Ericsson & Co. (See Wedelin, C. R., assignor.)
- Aktiebolaget Nordiska Uppfinningar. (See Hällgren, C. A. V., assignor.)
- Aktiebolaget Separator. (See Ahlberg, A. F., assignor.)
- Aktiebolaget Separator. (See Ericsson, A. J., assignor.)
- Aktiebolaget Separator. (See Forsberg, E. A., assignor.)
- Aktiebolaget Separator. (See Ljungström, B., assignor.)
- Aktiebolaget Separator. (See Ljungström, F., assignor.)
- Aktion Gesellschaft Für Technische Industrie. (See Roth, G., assignor.)
- Aktiengesellschaft Arnold B. Heine & Co., Firm of. (See Bosshard, A., assignor.)
- Aktiengesellschaft vormals Bloesch, Schwab & Cie., Firm of. (See Leuenberger, C. A., assignor.)
- Aktieselskabet det Norske Kvaeststofkompagni. (See Riiber, N., assignor.)
- Aktieselskabet Stav. Bliktrykkeri og Maskinaeriksted, Firm of. (See Bache, H. M., assignor.)
- Albany Lumber Company. (See Ackerman, M., assignor.)
- Alberger, L. R., Greenwich, Conn., assignor, by mesne assignments, to Alberger Pump Company, New York, N. Y. Centrifugal pump. No. 880,956; Mar. 3; Sp. p. 944; Dr. p. 204; Gaz. vol. 133; p. 159.
- Alberger Pump Company. (See Alberger, L. R., assignor.)
- Albers, J. B., Los Angeles, Cal. Ore-crushing machine. No. 876,892; Jan. 14; Sp. p. 2447; Dr. p. 533; Gaz. vol. 132; p. 431.
- Albers, L. G., Albuquerque, N. Mex. Ter. Catching and delivering device for mail-bags. No. 895,829; Aug. 11; Sp. p. 2118; Dr. pp. 448-9; Gaz. vol. 135; p. 1265.
- Albert, E., Munich, Germany. Making metal matrices. No. 896,881; Aug. 25; Sp. p. 4214; Dr. p. 901; Gaz. vol. 135; p. 1650.
- Albert, L., assignor of one-half to H. S. Wynkoop, New York, N. Y. Combination bed and sofa. No. 898,399; Sept. 8; Sp. p. 2325; Dr. p. 494; Gaz. vol. 136; p. 405.
- Albert, L., assignor of one-half to H. S. Wynkoop, New York, N. Y. Clothes presser and hanger. No. 900,051; Sept. 29; Sp. p. 5636; Dr. p. 1203; Gaz. vol. 136; p. 1037.
- Albertson, B. (See Hall and Albertson.)
- Albertson, O. L., assignor of three-fourths to C. H. Reid, Richmond, Va. Car-coupling. No. 901,863; Oct. 20; Sp. p. 3752; Dr. p. 763; Gaz. vol. 136; p. 1721.
- Albin, J. W., assignor of one-fourth to D. C. Ricketts, Babylon, N. Y. Music-leaf turner. No. 899,938; Sept. 29; Sp. p. 5381; Dr. p. 1148; Gaz. vol. 136; p. 999.
- Albrecht, A. D., Greenville, Ill. Paper and letter holder. No. 895,324; Aug. 4; Sp. p. 1107; Dr. p. 232; Gaz. vol. 135; p. 1077.
- Albrecht, C. A., Baltimore, Md. Linotype and other type-casting machine. No. 880,264; Feb. 25; Sp. p. 4906; Dr. p. 1037; Gaz. vol. 132; p. 1731.
- Albrecht, F. J., Pittsburg, Pa. Burner. No. 903,652; Nov. 10; Sp. p. 2240; Gaz. vol. 137; p. 396.
- Albrecht, G., Pittsburg, Pa. Cigarette box and case. No. 889,568; June 2; Sp. p. 750; Dr. p. 172; Gaz. vol. 134; p. 1178.
- Albrecht, H. S., St. Louis, Mo. Concrete composition for building material. No. 889,569; June 2; Sp. p. 752; Dr. p. 173; Gaz. vol. 134; p. 1178.
- Albrecht, H. S., St. Louis, Mo. Steering apparatus. No. 906,089; Dec. 8; Sp. p. 1919; Gaz. vol. 137; p. 1328.
- Albrecht, J. H., Madison, Wis. Dirt or manure loader. No. 884,059; Apr. 7; Sp. p. 786; Dr. pp. 164-5; Gaz. vol. 133; p. 1319.
- Albrecht, J. J., Syracuse, N. Y. Combination-tool. No. 876,675; Jan. 14; Sp. p. 2038; Dr. p. 444; Gaz. vol. 132; p. 362.
- Albree, C. B., assignor to Chester B. Albree Iron Works Company, Allegheny, Pa. Pneumatic tool. No. 884,971; Apr. 14; Sp. p. 2661; Dr. pp. 565-6; Gaz. vol. 133; p. 1643.
- Albree, E. C., Swampscott, Mass. Accounting system. No. 901,579; Oct. 20; Sp. p. 3171; Dr. p. 647; Gaz. vol. 136; p. 1629.
- Albree, E. C., Swampscott, Mass. Accounting system. No. 902,542; Nov. 3; Sp. p. 1; Gaz. vol. 137; p. 3.
- Albree, E. C., Swampscott, Mass. Accounting system. No. 902,543; Nov. 3; Sp. p. 7; Gaz. vol. 137; p. 3.
- Albree, E. C., Swampscott, Mass. Accounting system. No. 902,544; Nov. 3; Sp. p. 10; Gaz. vol. 137; p. 3.
- Albright, C. E., Columbus, Ohio. Apparatus for demonstrating the laws of elastic distortion. No. 903,262; Nov. 10; Sp. p. 1461; Gaz. vol. 137; p. 269.
- Albright, G. W., Harrisburg, Pa. Dry closet. No. 890,832; June 16; Sp. p. 3336; Dr. p. 731; Gaz. vol. 134; p. 1651.
- Albright, H. F., Elizabeth, N. J., assignor to Western Electric Company, Chicago, Ill. Telephone-transmitter. No. 898,544; Sept. 15; Sp. p. 2640; Dr. p. 564; Gaz. vol. 136; p. 454.
- Albright, J. E., West Newton, Pa. Extension-dashboard for vehicles. No. 891,027; June 16; Sp. p. 3741; Dr. p. 816; Gaz. vol. 134; p. 1715.
- Albright, R. D., Reynoldsville, Pa. Water-fixture and controlling means therefor. No. 900,818; Oct. 13; Sp. p. 1601; Dr. p. 324; Gaz. vol. 136; p. 1346.
- Albright, W. L. (See Couper and Albright.)
- Alden, C. A., Steelton, Pa. Tongue-switch. No. 890,323; June 9; Sp. p. 2298; Dr. p. 507; Gaz. vol. 134; p. 1452.
- Alden, C. A., Steelton, and E. E. Wightman, Harrisburg, assignors to Pennsylvania Steel Company, Philadelphia, Pa. Locking device for tongue-switches. No. 908,190; Dec. 29; Sp. p. 6118; Gaz. vol. 137; p. 2106.
- Alden, C. M. (See Alden, W. A. and C. M.)
- Alden, J. S., assignor of one-half to M. E. Fichte, Nickleville, Pa. Thill-coupling. No. 901,274; Oct. 13; Sp. p. 2485; Dr. p. 508; Gaz. vol. 136; p. 1491.
- Alden, W. A. and C. M., Minneapolis, Minn. Rug-fastener. No. 883,771; Apr. 7; Sp. p. 179; Dr. p. 33; Gaz. vol. 133; p. 1222.
- Alderson, J. W., San Francisco, Cal. Eye-shade. No. 876,676; Jan. 14; Sp. p. 2039; Dr. p. 445; Gaz. vol. 132; p. 362.

Alphabetical list of patentees—Continued.

- Aldrich, A., Beloit, Wis. Steam fitting or joint for journals of rotary steam-cylinders or other revolving bodies. No. 879,845; Feb. 25; Sp. p. 4019; Dr. p. 843; Gaz. vol. 132; p. 1593.
- Aldrich, N. W. (See Woodbury and Aldrich.)
- Aldridge, W. J. N., Springfield, Mo. Brake-shoe brace. No. 894,309; July 28; Sp. p. 4056; Dr. p. 837; Gaz. vol. 135; p. 714.
- Aldritt, A., Minneapolis, Minn. Hose-supporter. No. 907,216; Dec. 22; Sp. p. 4073; Gaz. vol. 137; p. 1751.
- Ale, E. C., Altoona, Pa. Railway-rail joint. No. 885,561; Apr. 21; Sp. p. 3902; Dr. p. 815; Gaz. vol. 133; p. 1866.
- Alexander, A. J. and I. B., Hartsfield, S. C. Bottle-vending machine. No. 882,858; Mar. 24; Sp. p. 4719; Dr. p. 1003; Gaz. vol. 133; p. 870.
- Alexander, E. F., Falem, W. Va. Water-gage for steam-boilers. No. 883,606; Mar. 31; Sp. p. 6231; Dr. p. 1329; Gaz. vol. 133; p. 1141.
- Alexander, F., assignor of one-half to C. Schlesinger, New York, N. Y., and one-half to Frederick Alexander Company. Bottle-corking machine. No. 907,672; Dec. 22; Sp. p. 5049; Gaz. vol. 137; p. 1905.
- Alexander, G., State Center, Iowa. Duplex road-grader drag. No. 879,805; Feb. 18; Sp. p. 3921; Dr. p. 821; Gaz. vol. 132; p. 1547.
- Alexander, H., Berlin, Germany, assignor to General Electric Company. System of motor control. No. 901,514; Oct. 20; Sp. p. 3048; Dr. p. 622; Gaz. vol. 136; p. 1609.
- Alexander, H. P., New York, N. Y. Eyeglasses. No. 906,360; Dec. 8; Sp. p. 2438; Gaz. vol. 137; p. 1418.
- Alexander, I. (See Brown, C. R., assignor.)
- Alexander, I. B. (See Alexander, A. J. and I. B.)
- Alexander, J., *et al.* (See Ecker, M., assignor.)
- Alexander, J., New York, N. Y. Method of and apparatus for testing jelly. No. 882,731; Mar. 24; Sp. p. 4452; Dr. p. 947; Gaz. vol. 133; p. 828.
- Alexander, J., Brooklyn, N. Y. Type-writer key and type-bar mechanism. No. 887,745; May 19; Sp. p. 2863; Dr. p. 604; Gaz. vol. 134; p. 521.
- Alexander, J. S., New York, N. Y. Railway and other ticket. No. 875,765; Jan. 7; Sp. p. 168; Dr. pp. 36-7; Gaz. vol. 132; p. 33.
- Alexander, J. W., Birmingham, Ala. Mold for cement walls. No. 894,177; July 28; Sp. p. 3765; Dr. p. 780; Gaz. vol. 135; p. 670.
- Alexander-Katz, R., Charlottenburg, and A. Karfunkel, Berlin, Germany. Plate for cooling apparatus. No. 892,109; June 30; Sp. p. 5928; Dr. p. 1278; Gaz. vol. 134; p. 2132.
- Alexander, L., and S. L. Gano, Clinton, Ill. Railway-crossing. No. 893,693; July 21; Sp. p. 2664; Dr. p. 559; Gaz. vol. 135; p. 489.
- Alexander, M. E., *et al.* (See Lewis, A. H., assignor.)
- Alexander, M. W., New York, N. Y. Antiblotting-ruler. No. 895,137; Aug. 4; Sp. p. 720; Dr. p. 150; Gaz. vol. 135; p. 1014.
- Alexander, M. W., and W. Johnson, Lynn, Mass., assignors to General Electric Company. Fastening for buckets of turbines. No. 883,926; Apr. 7; Sp. p. 515; Dr. p. 102; Gaz. vol. 133; p. 1275.
- Alexander, N. (See Drake, H., assignor.)
- Alexander, P. H. (See Burnes, E. H., assignor.)
- Alexander, R. M. (See Harris, T., assignor.)
- Alexander, S. M. (See Rider, C. D., assignor.)
- Alexander, T. J. (See Giesler and Alexander.)
- Alexander, W. (See Temperley and Alexander.)
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Starting motor-converter. No. 876,923; Jan. 21; Sp. p. 2529; Dr. p. 553; Gaz. vol. 132; p. 481.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Compensated motor. No. 876,924; Jan. 21; Sp. p. 2530; Dr. p. 553; Gaz. vol. 132; p. 481.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Self-excited alternator. No. 881,647; Mar. 10; Sp. p. 2307; Dr. p. 499; Gaz. vol. 133; p. 415.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Induction-motor control. No. 882,606; Mar. 24; Sp. p. 4202; Dr. p. 891; Gaz. vol. 133; p. 787.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Motor control. No. 885,128; Apr. 21; Sp. p. 2999; Dr. p. 633; Gaz. vol. 133; p. 1727.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Synchronous motor. No. 897,507; Sept. 1; Sp. p. 542; Dr. pp. 115-16; Gaz. vol. 136; p. 87.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor. No. 897,508; Sept. 1; Sp. p. 546; Dr. p. 116; Gaz. vol. 136; p. 87.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Induction-motor control. No. 901,513; Oct. 20; Sp. p. 3043; Dr. pp. 621-2; Gaz. vol. 136; p. 1608.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Telephone-relay. No. 902,195; Oct. 27; Sp. p. 4440; Dr. p. 898; Gaz. vol. 136; p. 1858.
- Alexanderson, E. F. W., Schenectady, N. Y., assignor to General Electric Company. Alternating-current high-frequency generator. No. 905,621; Dec. 1; Sp. p. 1020; Gaz. vol. 137; p. 1147.
- Alexanderson, E. F. W., and E. H. Widegren, Schenectady, N. Y., assignors to General Electric Company. Self-exciting generator. No. 895,933; Aug. 11; Sp. p. 2305; Dr. p. 491; Gaz. vol. 135; p. 1297.
- Alfery, F. L., Milwaukee, Wis. Carving-machine. No. 907,435; Dec. 22; Sp. p. 4518; Gaz. vol. 137; p. 1827.
- Alford, F. G., Issaquah, assignor of one-half to P. M. Williams, Seattle, Wash. Rail-fastener. No. 890,116; June 9; Sp. p. 1842; Dr. p. 406; Gaz. vol. 134; p. 1384.
- Alford, F. R., assignor to Wm. L. Gilbert Clock Company, Winsted, Conn. Key-handle. No. 902,793; Nov. 3; Sp. p. 504; Gaz. vol. 137; p. 88.
- Alford, F. R., assignor to Wm. L. Gilbert Clock Company, Winsted, Conn. Friction-held alarm-switch. No. 903,125; Nov. 3; Sp. p. 1182; Gaz. vol. 137; p. 193.
- Alford, W. J. (See Rutherford and Alford.)
- Alfred, C. J., New York, N. Y. Spool-case. No. 900,464; Oct. 6; Sp. p. 847; Dr. p. 172; Gaz. vol. 136; p. 1203.
- Alfrey, I. H., Mount Sterling, Ky. Wrench. No. 899,707; Sept. 29; Sp. p. 4871; Dr. p. 1045; Gaz. vol. 136; p. 922.
- Aliano, F. S., New York, N. Y. Lock. No. 885,214; Apr. 21; Sp. p. 3194; Dr. p. 668; Gaz. vol. 133; p. 1755.
- Aliano, F. S., New York, N. Y. Lock and latch. No. 887,053; May 12; Sp. p. 1423; Dr. p. 302; Gaz. vol. 134; p. 263.
- All, H., Cutter R. R. Station, Cal. Fruit-cutter. No. 888,293; May 19; Sp. p. 3927; Dr. p. 826; Gaz. vol. 134; p. 702.
- Allan, A. (See Cavanagh and Allan.)
- Allan, A. (See Silbert, H., assignor.)
- Allan, A. C., Chicago, Ill. Governor. No. 890,748; June 16; Sp. p. 3170; Dr. p. 694; Gaz. vol. 134; p. 1623.
- Allan, R. S., Gateshead, England. Woodworking-machine. No. 887,746; May 19; Sp. p. 2864; Dr. pp. 604-5; Gaz. vol. 134; p. 521.
- Allatt, T., and L. A. Kerwin, Portland, Oreg. Mail receiving and delivering apparatus. No. 893,967; July 21; Sp. p. 3312; Dr. p. 680; Gaz. vol. 135; p. 580.
- Albright, W. B., Chicago, Ill. Apparatus for reducing soap materials to powder. No. 885,708; Apr. 28; Sp. p. 4193; Dr. p. 877; Gaz. vol. 133; p. 1943.
- Allday, D. H. (See Allday, R. E., assignor.)
- Allday, R. E., assignor to D. H. Allday, Atlanta, Tex. Fish-trap. No. 879,432; Feb. 18; Sp. p. 3163; Dr. p. 658; Gaz. vol. 132; p. 1425.
- Allen, A., Oakland, Cal. Wave-motor. No. 880,474; Feb. 25; Sp. p. 5332; Dr. pp. 1122-3; Gaz. vol. 132; p. 1802.
- Allen, A., North English, Iowa. Roofing-tool. No. 899,016; Sept. 22; Sp. p. 3517; Dr. p. 753; Gaz. vol. 136; p. 665.
- Allen, A. A., Glouster, Ohio. Nut-lock. No. 881,763; Mar. 10; Sp. p. 2519; Dr. p. 543; Gaz. vol. 133; p. 449.
- Allen, A. B., Pueblo, Colo. Switch-operating mechanism. No. 878,927; Feb. 11; Sp. p. 2154; Dr. pp. 449-50; Gaz. vol. 132; p. 1221.
- Allen, A. B., Pueblo, Colo. Switch-operating mechanism. No. 903,156; Nov. 10; Sp. p. 1239; Gaz. vol. 137; p. 235.
- Allen, A. J., St. Joseph, Mo. Wheel-block. No. 876,424; Jan. 14; Sp. p. 1488; Dr. p. 320; Gaz. vol. 132; p. 274.
- Allen, A. V., Chicago, Ill. Gearing. No. 903,653; Nov. 10; Sp. p. 2241; Gaz. vol. 137; p. 397.
- Allen, B. W., Boston, Mass. Electric switch. No. 906,361; Dec. 8; Sp. p. 2440; Gaz. vol. 137; p. 1419.
- Allen, C. C., Kansas City, Mo. Necktie-shield for collars. No. 885,129; Apr. 21; Sp. p. 3002; Dr. p. 633; Gaz. vol. 133; p. 1728.
- Allen, C. C., assignor to F. A. Hardy & Company, Chicago, Ill. Machine for grinding lenses. No. 881,646; Mar. 10; Sp. p. 2302; Dr. pp. 498-9; Gaz. vol. 133; p. 414.
- Allen, C. J. (See Sparks and Allen.)
- Allen, C. L., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-rounding machine. No. 881,994; Mar. 17; Sp. p. 3029; Dr. p. 645; Gaz. vol. 133; p. 555.
- Allen, C. M. (See Baggage, Allen, and Lindquist.)
- Allen, C. W., Merriman, Nebr. Letter-binder. No. 905,829; Dec. 8; Sp. p. 1423; Gaz. vol. 137; p. 1246.
- Allen, D. W., Osakis, Minn. Thill-coupling. No. 877,281; Jan. 21; Sp. p. 3291; Dr. p. 712; Gaz. vol. 132; p. 603.
- Allen, E., Chicago, Ill. Adjustable shelving. No. 891,968; June 30; Sp. p. 5683; Dr. p. 1224; Gaz. vol. 134; p. 2088.
- Allen, E. B., Bridgeport, Conn., assignor to Singer Manufacturing Company. Sewing-machine. No. 882,484; Mar. 17; Sp. p. 3944; Dr. pp. 843-4; Gaz. vol. 133; p. 714.

Alphabetical list of patentees—Continued.

- Allen, E. B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Thread-cutting mechanism for sewing-machines. No. 885,310; Apr. 21; Sp. p. 3383; Dr. pp. 707-8; Gaz. vol. 133; p. 1788.
- Allen, E. T. (See Galatian and Allen.)
- Allen, F., Lowell, Mass. Flow-controlling device for flushing-tanks. No. 889,425; June 2; Sp. p. 467; Dr. p. 111; Gaz. vol. 134; p. 1133.
- Allen, F., Elizabeth, N. J. Freezing-tank for plate-ice machines. No. 905,622; Dec. 1; Sp. p. 1023; Gaz. vol. 137; p. 1147.
- Allen, F., Waltham, assignor to Draper Company, Hopedale, Mass. Filling-exhaustion-indicating mechanism for looms. No. 890,749; June 16; Sp. p. 3173; Dr. p. 694; Gaz. vol. 134; p. 1623.
- Allen, F. R., Passaic, N. J. Vehicle attachment. No. 875,766; Jan. 7; Sp. p. 171; Dr. p. 37; Gaz. vol. 132; p. 33.
- Allen, G. B. (See Westcott and Allen.)
- Allen, G. F., Granite City, Ill, assignor to E. R. Hoyt, St. Louis, Mo. Metallic product. No. 897,953; Sept. 8; Sp. p. 1483; Gaz. vol. 136; p. 264.
- Allen, H., Barre, Mass. Driving mechanism for spindles. No. 901,515; Oct. 20; Sp. p. 3051; Dr. p. 623; Gaz. vol. 136; p. 1609.
- Allen, H., New York, N. Y. Hose-supporter. No. 904,292; Nov. 17; Sp. p. 3614; Gaz. vol. 137; p. 644.
- Allen, H. L., Los Angeles, Cal. Dumping apparatus. No. 891,517; June 23; Sp. p. 4735; Dr. p. 1025; Gaz. vol. 134; p. 1906.
- Allen, J. D., and J. A. Conly, Philadelphia, Pa. Motor-vehicle. No. 901,055; Oct. 13; Sp. p. 2074; Dr. p. 422; Gaz. vol. 136; p. 1422.
- Allen, J. G., assignor of one-half to J. F. Van Nest, Ubyly, Mich. Puzzle rolling-pin. No. 895,710; Aug. 11; Sp. p. 1863; Dr. p. 395; Gaz. vol. 135; p. 1226.
- Allen, J. H., East Orange, N. J., assignor to W. R. Davis, trustee, New York, N. Y. Railway offset-joint. No. 879,938; Feb. 25; Sp. p. 4252; Dr. p. 889; Gaz. vol. 132; p. 1625.
- Allen, J. H., assignor to Rail Joint Company, New York, N. Y. Apparatus for molding rail-joint castings. No. 882,660; Mar. 24; Sp. p. 4312; Dr. p. 916; Gaz. vol. 133; p. 805.
- Allen, J. L., Chicago, Ill. Stuffing-machine. No. 878,761; Feb. 11; Sp. p. 1837; Dr. pp. 379-80; Gaz. vol. 132; p. 1168.
- Allen, J. L., assignor to Consolidated Press and Tool Company, Hastings, Mich. Non-repeating clutch for die-presses. No. 902,545; Nov. 3; Sp. p. 15; Gaz. vol. 137; p. 4.
- Allen, J. M., assignor of two-fifths to C. F. Schneider, St. Louis, Mo. Safe-door. No. 905,623; Dec. 1; Sp. p. 1025; Gaz. vol. 137; p. 1148.
- Allen, J. S., Los Angeles, Cal. Electrical conductor-support. No. 904,592; Nov. 24; Sp. p. 4227; Gaz. vol. 137; p. 770.
- Allen, J. W., Reading, Pa. Heater for gas-jets. No. 888,954; May 26; Sp. p. 5321; Dr. p. 1129; Gaz. vol. 134; p. 949.
- Allen, J. W., Dublin, Tex. Cotton-chopper. No. 894,715; July 28; Sp. p. 4851; Dr. p. 1008; Gaz. vol. 135; p. 846.
- Allen, L. L., Gustine, Tex. Vehicle-top support. No. 891,321; June 23; Sp. p. 4327; Dr. p. 944; Gaz. vol. 134; p. 1842.
- Allen, M. E., Danville, Ky. Apparatus for catching and delivering mail-pouches on railway mail-cars. No. 889,084; May 26; Sp. p. 5549; Dr. p. 1179; Gaz. vol. 134; p. 991.
- Allen, M. R., Lewisburg, Tenn. Cattle-guard. No. 890,324; June 9; Sp. p. 2299; Dr. p. 507; Gaz. vol. 134; p. 1452.
- Allen, P., *et al.* (See Shinn and Denton, assignors.)
- Allen, P., Flint, Mich. Carburetor for internal-combustion engines. No. 881,279; Mar. 10; Sp. p. 1580; Dr. p. 337; Gaz. vol. 133; p. 295.
- Allen, R. R., East Melbourne, Victoria, Australia. Means for the daylight loading and unloading of photographic sensitized plates. No. 895,325; Aug. 4; Sp. p. 1108; Dr. p. 233; Gaz. vol. 135; p. 1078.
- Allen, S. D., San Diego, Cal. Chamber-pot. No. 904,293; Nov. 17; Sp. p. 3616; Gaz. vol. 137; p. 644.
- Allen, S. L., Moorestown, N. J. Blade for cultivators and similar agricultural implements. No. 898,419; Sept. 15; Sp. p. 2381; Dr. p. 509; Gaz. vol. 136; p. 445.
- Allen, S. L., Moorestown, N. J. Cultivator. No. 907,945; Dec. 29; Sp. p. 5592; Gaz. vol. 137; p. 2023.
- Allen, S. T., Detroit, Mich. Can-opener. No. 901,412; Oct. 20; Sp. p. 2811; Dr. p. 574; Gaz. vol. 136; p. 1574.
- Allen, W. A., New York, N. Y. Tire-cover. (Reissue.) No. 12,754; Feb. 25; Sp. p. 5373; Dr. p. 1132; Gaz. vol. 132; p. 1808.
- Allen, W. E., Toledo, Ohio. Fountain bath-brush. No. 878,594; Feb. 11; Sp. p. 1517; Dr. p. 308; Gaz. vol. 132; p. 1115.
- Allen, W. E., Ross, Mich. Mail-pouch catcher. No. 891,518; June 23; Sp. p. 4736; Dr. p. 1025; Gaz. vol. 134; p. 1907.
- Allen, W. E., San Diego, Cal. Vaginal syringe. No. 898,300; Sept. 8; Sp. p. 2154; Dr. p. 458; Gaz. vol. 136; p. 372.
- Allen, W. G., South Bethlehem, Pa. Sash-lock. No. 886,108; Apr. 28; Sp. p. 5026; Dr. p. 1057; Gaz. vol. 133; p. 2075.
- Allen, W. G., assignor to Globe Screw Company, Hartford, Conn. Manufacture of wood-screws. No. 877,157; Jan. 21; Sp. p. 3033; Dr. p. 657; Gaz. vol. 132; p. 561.
- Allen, W. H., and W. J. Weaver, assignors to Detroit White Lead Works, Detroit, Mich. Substance for removing varnish or paint. No. 876,251; Jan. 7; Sp. p. 1992; Gaz. vol. 132; p. 185.
- Allen, W. P., Sioux Falls, S. D. Hog-chute. No. 903,157; Nov. 10; Sp. p. 1241; Gaz. vol. 137; p. 235.
- Allen, W. R., *et al.* (See Brown and Cardozo, assignors.)
- Allen, W. W., Cincinnati, Ohio. Switch-stand. No. 883,074; Mar. 24; Sp. p. 5122; Dr. p. 1093; Gaz. vol. 133; p. 940.
- Allen, W. W., Cincinnati, Ohio. Switch-stand. No. 895,395; Aug. 4; Sp. p. 1228; Dr. p. 259; Gaz. vol. 135; p. 1100.
- Alender, J. L., Arlington, Ind. Combined corn harvester and husker. No. 883,073; Mar. 24; Sp. p. 5120; Dr. pp. 1092-3; Gaz. vol. 133; p. 939.
- Alenson, J. O. G., Chicago, Ill. Portable desk. No. 893,694; July 21; Sp. p. 2666; Dr. p. 559; Gaz. vol. 135; p. 490.
- Allers, H., Chicago, Ill. Twine or cord hanger. No. 886,915; May 5; Sp. p. 1159; Dr. p. 244; Gaz. vol. 134; p. 190.
- Alley, C. J., Farndon, New Zealand. Machine for use in chiming, crozing, and howelling barrels. No. 900,253; Oct. 6; Sp. p. 369; Dr. p. 77; Gaz. vol. 136; p. 1133.
- Alley, F. L., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rough-rounding and channeling machine. No. 878,475; Feb. 4; Sp. p. 1174; Dr. p. 238; Gaz. vol. 132; p. 1041.
- Alley, J. A., Stoneville, N. C. Spike-jack. No. 894,094; July 21; Sp. p. 3577; Dr. p. 736; Gaz. vol. 135; p. 624.
- Alley, J. B., Bristol, Va. Coke-oven door. No. 882,365; Mar. 17; Sp. p. 3747; Dr. p. 797; Gaz. vol. 133; p. 675.
- Allgire, E. H., and W. H. England, Chicago, Ill. Derailer. No. 887,299; May 12; Sp. p. 1962; Dr. pp. 412-13; Gaz. vol. 134; p. 345.
- Allgire, W. K., Indianapolis, Ind. Folding shipping-box. No. 880,347; Feb. 25; Sp. p. 5054; Dr. p. 1068; Gaz. vol. 132; p. 1758.
- Alliance Machine Company. (See Kendall, D., assignor.)
- Alliance Machine Company. (See Kirk, R. S., assignor.)
- Allin, J. H., East Chattanooga, Tenn. Nut-lock. No. 895,410; Aug. 11; Sp. p. 1273; Dr. p. 268; Gaz. vol. 135; p. 1129.
- Alling, F. H., New Haven, Conn., assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Clutch for reliefographs. No. 875,679; Jan. 7; Sp. p. 1; Dr. p. 1; Gaz. vol. 132; p. 3.
- Allington, W. E., Saginaw, Mich. Pipe-reducer for dust-collecting systems. No. 893,968; July 21; Sp. p. 3317; Dr. p. 680; Gaz. vol. 135; p. 581.
- Allis-Chalmers Company. (See Allison, D. K., assignor.)
- Allis-Chalmers Company *et al.* (See Behrend, B. A., assignor.)
- Allis-Chalmers Company *et al.* (See Cheney, H. W., assignor.)
- Allis-Chalmers Company *et al.* (See Crocker, C. T., assignor.)
- Allis-Chalmers Company. (See Dawbarn, G. J., assignor.)
- Allis-Chalmers Company. (See De Wein, G. F., assignor.)
- Allis-Chalmers Company *et al.* (See Elshoff, B., assignor.)
- Allis-Chalmers Company *et al.* (See Elshoff, H. F., assignor.)
- Allis-Chalmers Company *et al.* (See Field, A. B., assignor.)
- Allis-Chalmers Company *et al.* (See Firmin, J. D., assignor.)
- Allis-Chalmers Company *et al.* (See Frankenfield, B., assignor.)
- Allis-Chalmers Company *et al.* (See Gilmore, T., Jr., assignor.)
- Allis-Chalmers Company. (See Harrison, J. F., assignor.)
- Allis-Chalmers Company. (See Hetlesæter, O., assignor.)
- Allis-Chalmers Company. (See Hinkley, G. M., assignor.)
- Allis-Chalmers Company *et al.* (See Mattman, E., assignor.)
- Allis-Chalmers Company *et al.* (See McHugh, A. L., assignor.)
- Allis-Chalmers Company. (See McKee, R. A., assignor.)
- Allis-Chalmers Company. (See Moon, W. T., assignor.)
- Allis-Chalmers Company. (See Pfau, A., assignor.)
- Allis-Chalmers Company *et al.* (See Pomeroy, W. D., assignor.)
- Allis-Chalmers Company. (See Rankin, W. A., assignor.)
- Allis-Chalmers Company. (See Richards, W. J., assignor.)
- Allis-Chalmers Company. (See Rotter, M., assignor.)
- Allis-Chalmers Company *et al.* (See Schley, G. B., assignor.)
- Allis-Chalmers Company *et al.* (See Schneider, W. F., assignor.)
- Allis-Chalmers Company. (See Sigmund, R., assignor.)
- Allis-Chalmers Company. (See Sprado, C. G., assignor.)
- Allis-Chalmers Company. (See Stull, E. W., assignor.)

Alphabetical list of patentees—Continued.

- Allis-Chalmers Company *et al.* (See Tatum, L. L., assignor.)
 Allis-Chalmers Company. (See Trout, W. H., assignor.)
 Allis-Chalmers Company *et al.* (See Van Valkenburg, H. L., assignor.)
 Allis-Chalmers Company. (See Walton, J., assignor.)
 Allis-Chalmers Company *et al.* (See Wessling, A. G., assignor.)
 Allis-Chalmers Company *et al.* (See Williamson, R. B., assignor.)
 Allis-Chalmers Company *et al.* (See Wouters, A. H., assignor.)
 Allison, D. K., assignor to Allis-Chalmers Company, Milwaukee, Wis. Lubricating device. No. 895,396; Aug. 4; Sp. p. 1230; Dr. p. 259; Gaz. vol. 135; p. 1100.
 Allison, G. T., Ames, Iowa. Combined hog-trap, operating-table, and loading-chute. No. 902,638; Nov. 3; Sp. p. 215; Gaz. vol. 137; p. 36.
 Allison, H. H., assignor to Geisman & Musliner, New York, N. Y. Embossing elastic webbing. No. 904,912; Nov. 24; Sp. p. 4907; Gaz. vol. 137; p. 876.
 Allison, H. W., assignor to W. T. Roberts, East Liverpool, Ohio. Wrench. No. 899,197; Sept. 22; Sp. p. 3866; Dr. p. 826; Gaz. vol. 136; p. 724.
 Allison, J., Dravosburg, assignor to Pittsburgh Equipment Company, Pittsburg, Pa. Car-bolster. No. 889,497; June 2; Sp. p. 620; Dr. p. 145; Gaz. vol. 134; p. 1155.
 Allison, J. E., assignor to Laclede Manufacturing Company, St. Louis, Mo. Coin-controlled vending-machine. No. 899,198; Sept. 22; Sp. p. 3867; Dr. p. 826; Gaz. vol. 136; p. 724.
 Allison, J. W. (See Meyer, A., assignor.)
 Allison, J. W., New York, N. Y. Window-cleaning device. No. 895,223; Aug. 4; Sp. p. 895; Dr. p. 187; Gaz. vol. 135; p. 1044.
 Allison, R. L., Huckabay, Tex. Buggy-top retainer. No. 891,582; June 23; Sp. p. 4863; Dr. p. 1048; Gaz. vol. 134; p. 1926.
 Alith Manufacturing Company. (See Anderson, J., assignor.)
 Alphin, B. B. (See Cross, J. W., assignor.)
 Allsop, T., and W. W. Sibson, assignors to Philadelphia Drying Machinery Company, Philadelphia, Pa. Singeing-machine. No. 895,711; Aug. 11; Sp. p. 1865; Dr. pp. 395-6; Gaz. vol. 135; p. 1227.
 Allsop, T., and W. W. Sibson, assignors to Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying-machine. No. 901,769; Oct. 20; Sp. p. 3584; Dr. p. 725; Gaz. vol. 136; p. 1692.
 Allspaw, J. M., assignor of one-half to W. L. Brown, Mitchell, Ind. Sterilizing-cabinet. No. 891,758; June 23; Sp. p. 5224; Dr. pp. 1131-2; Gaz. vol. 134; p. 1986.
 Allwardt, H. A., assignor of one-half to W. J. Stapleton, Detroit, Mich. Crown arranging and presenting device for bottling-machines. No. 908,059; Dec. 29; Sp. p. 5835; Gaz. vol. 137; p. 2062.
 Allwine, H. W., Omaha, Nebr. Dental swaging apparatus. No. 889,085; May 26; Sp. p. 5551; Dr. p. 1179; Gaz. vol. 134; p. 991.
 Alma Manufacturing Company. (See McVicker, W. J., assignor.)
 Alma Manufacturing Company of Baltimore City. (See Blum, I., assignor.)
 Almond, T. R., Yonkers, assignor to T. K. Almond Manufacturing Company, Brooklyn, N. Y. Drill-chuck. No. 897,335; Sept. 1; Sp. p. 171; Dr. p. 36; Gaz. vol. 136; p. 25.
 Alnstead, E., Clayville, N. Y. Rope-clamp. No. 881,041; Mar. 3; Sp. p. 1096; Dr. p. 237; Gaz. vol. 133; p. 187.
 Almy, D., Providence, R. I. Spark-timer. No. 878,176; Feb. 4; Sp. p. 598; Dr. p. 123; Gaz. vol. 132; p. 942.
 Almy, F. B., Melrose, Mass. Lacing-holder for wearing-apparel. No. 888,454; May 26; Sp. p. 4259; Dr. p. 902; Gaz. vol. 134; p. 783.
 Aloyos, N., and O. Strohbach, Raab, Austria-Hungary. Apparatus for sighting rides. No. 882,988; Mar. 24; Sp. p. 4966; Dr. p. 1057; Gaz. vol. 133; p. 913.
 Alpenburg, L. von. (See Alpenburg, V. and L. von.)
 Alpenburg, V. and L. von, West Hoboken, N. J. Skin-preserving covering. No. 891,653; June 23; Sp. p. 5028; Dr. p. 1083; Gaz. vol. 134; p. 1951.
 Alphin, G. E., Mount Olive, N. C. Combined cultivator and fertilizer-distributor. No. 890,485; June 9; Sp. p. 2586; Dr. pp. 572-3; Gaz. vol. 134; p. 1502.
 Alphin, G. E., Mount Olive, N. C. Fertilizer-distributor. No. 899,646; Sept. 29; Sp. p. 4763; Dr. p. 1019; Gaz. vol. 136; p. 905.
 Alphin, G. E., Mount Olive, N. C. Combined cultivator and fertilizer-distributor. No. 908,060; Dec. 29; Sp. p. 5837; Gaz. vol. 137; p. 2062.
 Alsina, F., Barcelona, Spain. Loom for weaving. No. 905,830; Dec. 8; Sp. p. 1424; Gaz. vol. 137; p. 1246.
 Alsop, H., Chicago, Ill. Grain-car and door therefor. No. 879,716; Feb. 18; Sp. p. 3759; Dr. p. 788; Gaz. vol. 132; p. 1518.
 Alsop, H. T. (See Michaelson, M., assignor.)
 Alsop, S., Bellingham, Wash. Door closer and check. No. 900,973; Oct. 13; Sp. p. 1925; Dr. p. 392; Gaz. vol. 136; p. 1395.
 Alstaeden, A., Hamburg, Germany. Curling-tongs. No. 891,759; June 23; Sp. p. 5226; Dr. p. 1132; Gaz. vol. 134; p. 1987.
 Alston, J. S., Atlantic City, N. J. Bottle-stopper. No. 878,175; Feb. 4; Sp. p. 597; Dr. p. 123; Gaz. vol. 132; p. 942.
 Alt, W. A. F., Brooklyn, assignor, by mesne assignments, to American Battery Company, Cedarhurst, N. Y. Secondary battery. No. 885,562; Apr. 21; Sp. p. 3904; Dr. p. 815; Gaz. vol. 133; p. 1867.
 Altenberg, G. P., Cincinnati, Ohio. Double-walled vessel. No. 900,075; Oct. 6; Sp. p. 4; Dr. p. 1; Gaz. vol. 136; p. 1075.
 Althen, W. C., assignor of one-sixth to W. F. Miesse, one-sixth to W. N. Gearhart, one-sixth to B. F. Hirt, and one-fourth to J. T. Dunnick, Columbus, Ohio. Wire-retrieving attachment for trolley-wheels. No. 877,877; Jan. 28; Sp. p. 4442; Dr. p. 968; Gaz. vol. 132; p. 814.
 Althouse, C. S., Reading, Pa. Hosiery figure dyeing and extracting machine. No. 885,709; Apr. 28; Sp. p. 4194; Dr. pp. 877-8; Gaz. vol. 133; p. 1943.
 Altick, W. B., Lancaster, Pa. Telephone-cabinet. No. 893,219; July 14; Sp. p. 1683; Dr. pp. 355-6; Gaz. vol. 135; p. 304.
 Altland, W. G., York, Pa. Stair-rod. No. 902,461; Oct. 27; Sp. p. 5015; Dr. pp. 1013-14; Gaz. vol. 136; p. 1946.
 Altman, F., assignor to Erie Foundry Company, Erie, Pa. Cooling-conveyer. No. 903,148; Nov. 3; Sp. p. 1221; Gaz. vol. 137; p. 200.
 Altmann, F. C., assignor to English & Mersick Co., New Haven, Conn. Latch for vehicle-doors. No. 882,136; Mar. 17; Sp. p. 3299; Dr. p. 704; Gaz. vol. 133; p. 601.
 Altmeyer, J., East Spokane, Wash. Rein holder and tightener for vehicles. No. 889,742; June 2; Sp. p. 1083; Dr. p. 251; Gaz. vol. 134; p. 1233.
 Altolaguirre, M., and J. Zubillaga, Vedado, Cuba. Apparatus for removing foreign substances from liquids. No. 881,451; Mar. 10; Sp. p. 1911; Dr. p. 416; Gaz. vol. 133; p. 349.
 Alverson, L., and R. L. Horsley, Fort Worth, Tex. Bale-tie. No. 889,169; May 26; Sp. p. 5751; Dr. p. 1217; Gaz. vol. 134; p. 1019.
 Alvey, B. H., assignor to Alvey-Ferguson Company, Louisville, Ky. Conveyer. No. 881,042; Mar. 3; Sp. p. 1097; Dr. pp. 237-8; Gaz. vol. 133; p. 188.
 Alvey-Ferguson Company. (See Alvey, B. H., assignor.)
 Alvey, J. R., *et al.* (See Linton, A. E., assignor.)
 Alvord, C., Worcester, Mass., assignor to Fabric Fire Hose Company. Woven hose. No. 899,092; Sept. 22; Sp. p. 3642; Dr. p. 781; Gaz. vol. 136; p. 689.
 Alvord, E. H., Seattle, assignor to H. H. Taber, Tacoma, Wash. Automatic filter-press. No. 894,996; Aug. 4; Sp. p. 445; Dr. pp. 90-1; Gaz. vol. 135; p. 967.
 Alwes, H., Eureka Springs, Ark. Berry-box. No. 889,651; June 2; Sp. p. 895; Dr. p. 206; Gaz. vol. 134; p. 1205.
 Alwes, H., Eureka Springs, Ark. Berry-box. No. 890,395; June 9; Sp. p. 2422; Dr. p. 535; Gaz. vol. 134; p. 1474.
 Amberson, L. C., assignor of one-fourth to M. L. Cukerbraun, New Castle, Pa. Combination step-ladder and bench. No. 895,934; Aug. 11; Sp. p. 2307; Dr. p. 491; Gaz. vol. 135; p. 1298.
 Ambert, A., Lyon, France. Metalsleeper for railways and the like. No. 905,624; Dec. 1; Sp. p. 1026; Gaz. vol. 137; p. 1148.
 Ambler, A. A., Springfield, Ohio. Drop-hammer. No. 893,561; July 14; Sp. p. 2389; Dr. pp. 500-1; Gaz. vol. 135; p. 416.
 Ambler, F., and H. Wallace, Queensbury, near Bradford, England. Thread-guide for spinning-machines. No. 884,700; Apr. 14; Sp. p. 2121; Dr. p. 452; Gaz. vol. 133; p. 1557.
 Ambler, G. B. (See Stimpson and Ambler.)
 Ambler, G. B., South Framingham, assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. No. 885,130; Apr. 21; Sp. p. 3003; Dr. pp. 633-4; Gaz. vol. 133; p. 1728.
 Amborn, G., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-wrench. No. 876,925; Jan. 21; Sp. p. 2532; Dr. p. 553; Gaz. vol. 132; p. 481.
 Amborn, G., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-wrench. No. 876,926; Jan. 21; Sp. p. 2534; Dr. p. 554; Gaz. vol. 132; p. 482.
 Amborn, G., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-wrench. No. 876,927; Jan. 21; Sp. p. 2536; Dr. p. 554; Gaz. vol. 132; p. 482.
 Amborn, G., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-wrench. No. 881,216; Mar. 10; Sp. p. 1442; Dr. p. 311; Gaz. vol. 133; p. 273.
 Amborn, G., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-wrench. No. 892,111; June 30; Sp. p. 5930; Dr. p. 1278; Gaz. vol. 134; p. 2132.

Alphabetical list of patentees—Continued.

- Amborn, G., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-wrench. No. 892,112; June 30; Sp. p. 5932; Dr. p. 1278; Gaz. vol. 134; p. 2133.
- Amborn, G., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-wrench. No. 892,113; June 30; Sp. p. 5934; Dr. p. 1278; Gaz. vol. 134; p. 2133.
- Amborn, G., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-wrench. No. 904,397; Nov. 17; Sp. p. 3801; Gaz. vol. 137; p. 678.
- Ambos, W. J. (See Coleman and Ambos.)
- Ambrose, C., and F. D. Schwartz, Chicago, Ill. Steam-condenser. No. 903,147; Nov. 3; Sp. p. 1219; Gaz. vol. 137; p. 200.
- Ambrose, D. (See Walker, G. F., assignor.)
- Ambrose, D., Louisville, Ky. Splice-bar. No. 889,840; June 2; Sp. p. 1262; Dr. p. 291; Gaz. vol. 134; p. 1265.
- Ambrose, H. T. (See Donning, G. W., assignor.)
- Ambrose, N. M., *et al.* (See Dickerson, A., assignor.)
- Ambrose, R. L., North Tarrytown, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y. Rod-packing. No. 891,519; June 23; Sp. p. 4738; Dr. p. 1025; Gaz. vol. 134; p. 1907.
- Ambrus, A., assignor of one-half to H. Rosenbaum, Barmen, Germany. Jacquard-machine. No. 908,191; Dec. 29; Sp. p. 6120; Gaz. vol. 137; p. 2107.
- Amenábar, L., Coquimbo, Chile. Recovering copper from copper-bearing solutions. No. 890,887; June 16; Sp. p. 3430; Dr. p. 752; Gaz. vol. 134; p. 1667.
- Ament, A. B., Oakland, Cal. Wheel. No. 892,640; July 7; Sp. p. 483; Dr. p. 103; Gaz. vol. 135; p. 86.
- Ament, J. E., Indiana, Pa. School desk and seat. No. 891,128; June 16; Sp. p. 3906; Dr. pp. 855-6; Gaz. vol. 134; p. 1745.
- Ament, J. E., Indiana, Pa. Apparatus for massaging the vaginal walls, &c. No. 896,505; Aug. 18; Sp. p. 3448; Dr. p. 741; Gaz. vol. 135; p. 1506.
- Amer, W. M., Madera, Cal. Automatic adjuster for fan-boxes of combined harvesters. No. 885,215; Apr. 21; Sp. p. 3199; Dr. p. 668; Gaz. vol. 133; p. 1756.
- American Acetylene Company. (See O'Keefe, D., assignor.)
- American Air Liquefying Co. (See Place, J. F., assignor.)
- American Attachment Company. (See Stevens, G. J., assignor.)
- American Autographic Register Co. (See Maass, W., assignor.)
- American Automatic Telephone Company. (See Bruce, W. M., Jr., assignor.)
- American Automotoneer Company. (See Du Bois, F. M., assignor.)
- American Automotoneer Company. (See Ebersole, C. P., assignor.)
- American Bacteria-ized Fertilizer Company. (See Coates, L. R., assignor.)
- American Ball-Bearing Company. (See Baker, W. C., assignor.)
- American Bank Protection Company. (See Grass, J. L., assignor.)
- American Battery Company. (See Alt, W. A. F., assignor.)
- American Battery Company. (See Carpenter, G. A., assignor.)
- American Box and Veneer Company. (See Feild, A. J., assignor.)
- American Brake Company. (See Clark, F. L., assignor.)
- American Brake Shoe & Foundry Company. (See Gallagher, J. D., assignor.)
- American Brake Shoe & Foundry Company. (See Glennon, J. J., assignor.)
- American Brake Shoe & Foundry Company. (See Nichols, W. G., assignor.)
- American Brass Company. (See Lawton, C. H., assignor.)
- American Bridge Company. (See Riggs, M. J., assignor.)
- American Butter Cutting Machine Company. (See Stewart, R. F., assignor.)
- American Callaphone Company. (See Kaufman and Lippmann, assignors.)
- American Can Company. (See Breckenridge, K. S., assignor.)
- American Can Company. (See Chambers, W. J., assignor.)
- American Can Company. (See Draper, C. T., assignor.)
- American Can Company. (See Eberhart, F., assignor.)
- American Can Company. (See Hodgson, J. G., assignor.)
- American Can Company. (See Hothersall, J. M., assignor.)
- American Can Company. (See Jones, II. W., assignor.)
- American Can Company. (See Kannenberg, B. H., assignor.)
- American Can Company. (See Kohke, J., assignor.)
- American Can Company. (See Lotz, A., assignor.)
- American Can Company. (See Marcuse, I. J., assignor.)
- American Can Company. (See Mullaley and Schenck, assignors.)
- American Can Company. (See Rudolphi, F., assignor.)
- American Can Company. (See Rudolphi and Nelson, assignors.)
- American Can Company. (See Sharp, L. C., assignor.)
- American Can Company. (See Stollberg, C., assignor.)
- American Can Company. (See Swangren, E. V., assignor.)
- American Can Company. (See Tevander, S., assignor.)
- American Can Company. (See Townsend, C. P., assignor.)
- American Can Company. (See Weber, G. W., assignor.)
- American Can Company. (See Young and Symonds, assignors.)
- American Car and Foundry Company. (See Ames, J. M., assignor.)
- American Car & Foundry Company. (See Ames, J. M., assignor.) (Reissue.)
- American Car & Foundry Company. (See Brown, T. R., assignor.)
- American Car and Foundry Company. (See Cherbonnier, G. C., assignor.)
- American Car & Foundry Company. (See Harrington, C. G., assignor.)
- American Car & Foundry Company. (See King, G. I., assignor.)
- American Car and Foundry Company. (See Ostrander, A. E., assignor.)
- American Car & Foundry Company. (See Summa, V. M., assignor.)
- American Car & Foundry Company. (See Summa and St. Clair, assignors.)
- American Chemical Manufacturing & Mining Company. (See Dunn, J. F., assignor.)
- American Chemical Manufacturing & Mining Company. (See La May, F. B., assignor.)
- American Circular Loom Company. (See Jones, L. A., assignor.)
- American Circular Loom Company. (See Jutz and Sibley, assignors.)
- American Circular Loom Company. (See Lutz, G. A., assignor.)
- American Circular Loom Company. (See Thibodeau, C., assignor.)
- American Clay Machinery Company. (See Callaway, E. H., assignor.)
- American Clay Machinery Company. (See Cunningham, W. R., assignor.)
- American Coin Register Company. (See Ellis, C. S., assignor.)
- American Coin Register Company. (See Powell and Ellis, assignors.)
- American Combustion Company. (See Stringham and Elmendorf, assignors.)
- American Couch Company. (See Luppino, J., assignor.)
- American Cupped Diamond Co. (See Wennstrom, J., assignor.)
- American Cutlery Company. (See Bastian and Granitz, assignors.)
- American Cutlery Company. (See Blessing, J. G., assignor.)
- American Cyanamid Company. (See Frank and Caro, assignors.) (Reissue.)
- American Die Casting Company. (See Raah and Olsen, assignors.)
- American Diesel Engine Company. (See Macpherson, J. D., assignor.)
- American Differential Railway Axle Company. (See Seabrook, B. R., assignor.)
- American District Steam Company. (See Walsh, J. D., assignor.)
- American District Telegraph Company. (See Bullock, H. S., Jr., assignor.)
- American District Telegraph Company. (See Hamblin, M. W., assignor.)
- American District Telegraph Company. (See Hopkins, R. M., assignor.)
- American Electric Alarm Company. (See Eichler, E., assignor.)
- American Electric Alarm Company. (See Heinrich, S. J., assignor.)
- American Electric Telephone Co. (See Clausen, H. P., assignor.)
- American Electrical Heater Company. (See Kuhn, F., assignor.)

Alphabetical list of patentees—Continued.

American Flange Frog and Railway Improvement Company. (See Graham, J. E., assignor.)
 American Gas Light Company. (See Maas, J., assignor.)
 American Graphophone Company. (See Eckhardt, W. L., assignor.)
 American Graphophone Company. (See Emerson, V. H., assignor.)
 American Graphophone Company. (See Macdonald, T. H., assignor.)
 American Hard Rubber Company. (See Kiel, W., assignor.)
 American Hardware Manufacturing Company. (See O'Brien, M. W., assignor.)
 American Harrow Company. (See Garst, S. H., assignor.)
 American Harrow Company. (See Wells, R. S., assignor.)
 American Heating Company. (See Schweizer, C., assignor.)
 American Heel Machine Company. (See Wolfe, W., assignor.)
 American Implement Company. (See Bricker, E. J., assignor.)
 American Iron and Steel Alloys Company. (See Carpenter, F. R., assignor.)
 American Key Can Company. (See Baker, S. A., assignor.)
 American Key Can Company. (See McColl, F. P., assignor.)
 American Lacing Hook Co. (See Bartel and Taft, assignors.)
 American Lacing Hook Co. (See Perrault, J. E., assignor.)
 American Lacing Hook Co. (See Taft, S. E., assignor.)
 American Laundry Machinery Manufacturing Company. (See Andrée, W. E., assignor.)
 American Lithographic Company. (See Knapp, J. P., assignor.)
 American Lithographic Company. (See Pancoast, G. E., assignor.)
 American Locomotive Company. (See Dalton, W., assignor.)
 American Locomotive Company. (See Horsey and Vaughan, assignors.)
 American Locomotive Company. (See Mellin, C. J., assignor.)
 American Locomotive Company. (See Oatley, H. B., assignor.)
 American Locomotive Company. (See Sague and Cole, assignors.)
 American Mahogany Company. (See Hall, W. A., assignor.)
 American Metal Cap Company. (See Hammer, C., assignor.)
 American Metal Edge Box Company. (See Lewis, R. B., assignor.)
 American Mica Company. (See Cooper, E., assignor.)
 American Miniature Railway Company. (See Haberlin, W. R., assignor.)
 American Moving Picture Machine Company. (See Isaacs, H. S. and L., assignors.) (Reissue.)
 American Multigraph Company. (See Gammeter, H. C., assignor.)
 American Multigraph Company. (See Zeitz, J. J., assignor.)
 American Nickeloid & Manufacturing Company. (See Maze and Nelson, assignors.)
 American Numbering Machine Company. (See Conrad, B. B., assignor.)
 American Oil Engine Company. (See Johnston, P. D., assignor.)
 American Optical Company. (See Laffin, S. C., assignor.)
 American Pad & Textile Co. (See McClain, E. L., assignor.)
 American Paper Bottle Company. (See Kimsey, J. C., assignor.)
 American Piano Company. (See Darley, J. W., Jr., assignor.)
 American Pneumatic Service Company. (See Pike, O. S., assignor.)
 American Pneumatic Service Company. (See Stoddard, C. F., assignor.)
 American Postal Machine Company. (See Stoddard and Barbour, assignors.)
 American Process Company. (See Merz, R. G., assignor.)
 American Promoting Company. (See Mayhew, T., assignor.)
 American Pulley Company. (See Brinley, C. A., assignor.)
 American Radiator Company. (See Thompson, C. B., assignor.)
 American Railway Signal Company. (See Abernethy, H. M., assignor.)
 American Reduction Company. (See Machalske, F. J., assignor.)
 American Reduction Company. (See Rendall, G. F., assignor.)
 American Rolling Mill Company. (See Naegelen, J., assignor.)
 American Roofing Tile Co. (See Jones, C. W., assignor.)
 American Safety Appliance Company. (See Asbury, W., assignor.)
 American Sales Book Company. (See Metzger, W. C., assignor.)
 American Sales Company. (See Hall, A., assignor.)
 American Sanitary Works. (See Florey, T. J., assignor.)
 American Securities Company. (See Keith, J. G., assignor.)
 American Separator Co. (See Hartmann, L. H., assignor.)
 American Sheet & Tin Plate Company. (See Bennett, C. W., assignor.)
 American Sheet & Tin Plate Company. (See Bray, C. W., assignor.)
 American Sheet & Tin Plate Company. (See McArthur, A. R., assignor.)
 American Sheet & Tin Plate Company. (See Robinson, C. A., assignor.)
 American Sheet & Tin Plate Company. (See Scanlon, H. J., assignor.)
 American Ship Windlass Company. (See Bryant, E. B., assignor.)
 American Shoe Finding Company. (See Jones, L. A., assignor.)
 American Shoe Finding Company. (See Waterman, B. B., assignor.)
 American Shoe Finding Company. (See Waterman, B. B., assignor.) (Reissue.)
 American Signal Company. (See Burgess, Y., assignor.)
 American Silk Thread Finishing Co. (See Bossart, X., assignor.)
 American Silver Company. (See Holley, J. R., assignor.)
 American Silver Company. (See Trehwella, C. E., assignor.)
 American Sintering Company. (See Bergquist, J. G., assignor.)
 American Sintering Company. (See Clark, E. B., assignor.)
 American Sintering Company. (See Clark and Fettel, assignors.)
 American Steam Gauge and Valve Manufacturing Company. (See Craig, C. H., Jr., assignor.)
 American Steam Gauge and Valve Manufacturing Company. (See Hopkins, F. H., assignor.)
 American Steam Gauge & Valve Manufacturing Company. (See Jerault, W. E., assignor.)
 American Steel Foundries. (See Floyd, G. G., assignor.)
 American Steel Foundries. (See Floyd and Murray, assignors.)
 American Steel Foundries. (See Houser, J. W., assignor.)
 American Steel Foundries. (See Janney, Kinney, and Trump, assignors.)
 American Steel Foundries. (See Kinne, E. P., assignor.)
 American Steel Foundries. (See Murray, C. F., assignor.)
 American Steel Package Company. (See Kruse, A. T., assignor.)
 American Steel Wheel Co. (See Heart, C., assignor.)
 American Steel Wheel Company. (See Welch, J. R., assignor.)
 American Steel & Wire Company. (See Bates, Clapp, and Booth, assignors.)
 American Steel & Wire Company. (See Daniels and Sturdevant, assignors.)
 American Steel & Wire Company. (See Davis, D., assignor.)
 American Steel & Wire Company. (See Harter, N. S., assignor.)
 American Steel & Wire Company. (See Hoyt, G. A., assignor.)
 American Steel & Wire Company. (See Sprague, A. W., assignor.)
 American Steel & Wire Company. (See Tangring, O., assignor.)
 American Stove Company. (See Geurink, B. A., assignor.)
 American Suction Gas Producer Company. (See Higgins, E., assignor.)
 American Telegraph Typewriter Company. (See Cardwell, G. A., assignor.)
 American Telephone Company. (See Lieb, J. A., assignor.)
 American Telephone Company. (See Pedersen, L., L., assignor.)
 American Telephone and Telegraph Company. (See Athearn, W. E., assignor.)
 American Telephone and Telegraph Company. (See Gillespie and Potter, assignors.)
 American Telephone and Telegraph Company. (See Jarvis, C. D., assignor.)

Alphabetical list of patentees—Continued.

- American Telephone and Telegraph Company. (See Shreeve, H. E., assignor.)
 American Telephone and Telegraph Company. (See Wray, Gardner, and Kinton, assignors.)
 American Textile Machinery Company. (See Long, A., assignor.)
 American Thermos Bottle Company. (See Aschenbrenner, A., assignor.)
 American Thermos Bottle Company. (See Burger, R., assignor.)
 American Thermos Bottle Company. (See Henn, H., assignor.)
 American Thread Company. (See Green, S. M., assignor.)
 American Thread Company. (See Hardman, P., assignor.)
 American 3-Way Prism Company. (See Paschall, C. H., assignor.)
 American Tin Plate Company. (See Bray and Peat, assignors.)
 American Tobacco Company. (See Campbell, D. J., assignor.)
 American Tobacco Company. (See Harris, F. R., assignor.)
 American Tobacco Company. (See Patterson, R. L., assignor.)
 American Tobacco Company. (See Prescott, S. I., assignor.)
 American Tobacco Company. (See Reinecke, J. A. F., assignor.)
 American Tobacco Company. (See Tucker, B. W., assignor.)
 American Tobacco Company. (See Tuttle, W. I., assignor.)
 American Train Stop Company. (See Sedgwick, H. G., assignor.) (Reissue.)
 American Turning & Sewing Machine Company. (See Barthol, P. P., assignor.)
 American Type Founders Company. (See Baaues, assignor.)
 American Type Founders Company. (See Fiske, W., assignor.)
 American Typographic Corporation. (See Richards, F. H., assignor.)
 American Valve & Meter Company. (See Anderson, F. C., assignor.)
 American Vending Machine Co. (See Wissing, H. J., assignor.)
 American Well & Prospecting Company. (See Milliron, C., assignor.)
 American Wire Fence Company. (See Clement, A. A., assignor.)
 American Wood Extract Company. (See Uphus, A. J., assignor.)
 American Wood Working Machinery Co. (See Whipple, L. B., assignor.)
 American Woodenware Company. (See Berry and Ricker, assignors.)
 American Woven Lath Company. (See Carpenter, H. W., assignor.)
 American Woven Lath Company. (See Robinson, W. E., assignor.)
 Americus Electro-Hermetic Company. (See Dion, L., assignor.)
 Ames, A. F., Oshkosh, Wis. Thermostatic valve. No. 894,806; Aug. 4; Sp. p. 3; Dr. p. 1; Gaz. vol. 135; p. 815.
 Ames, A. R. (See Filstead, D. W., assignor.)
 Ames, C. T., *et al.* (See Reece, J. M., assignor.)
 Ames, E. H., Columbus, Ohio. Concrete or cement pipe. No. 893,695; July 21; Sp. p. 2668; Dr. p. 560; Gaz. vol. 135; p. 490.
 Ames, F. L., Eastbourne, England. Berth for ships. No. 878,852; Feb. 11; Sp. p. 2011; Dr. p. 416; Gaz. vol. 132; p. 1197.
 Ames, H. (See Hotchkiss, F. H., assignor.)
 Ames, J. (See Traynor, Burgess, and Ames.)
 Ames, J., Seattle, Wash. Hook. No. 905,400; Dec. 1; Sp. p. 539; Gaz. vol. 137; p. 1076.
 Ames, J., assignor of one-half to E. Leech, Montrose, Iowa. Means for establishing electrical communication with moving trains. No. 886,169; Apr. 28; Sp. p. 5139; Dr. p. 1081; Gaz. vol. 133; p. 2094.
 Ames, J., London, S. Burgess and E. Traynor, Leytonstone, England. Apparatus for manufacturing cylindrical records and blanks for phonographs, graphophones, and the like. No. 888,682; May 26; Sp. p. 4743; Dr. p. 1008; Gaz. vol. 134; p. 861.
 Ames, J. M., Dongan Hills, N. Y. Double body-bolster for railway-cars. No. 878,595; Feb. 11; Sp. p. 1519; Dr. p. 309; Gaz. vol. 132; p. 1115.
 Ames, J. M., Dongan Hills, N. Y. Double body-bolster for railway-cars. No. 878,596; Feb. 11; Sp. 1521; Dr. pp. 309-10; Gaz. vol. 132; p. 1115.
 Ames, J. M., Dongan Hills, N. Y., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 879,996; Feb. 25; Sp. p. 4355; Dr. p. 913; Gaz. vol. 132; p. 1643.
 Ames, J. M., New York, N. Y., assignor to American Car & Foundry Company, St. Louis, Mo. Tank-car. (Reissue.) No. 12,832; July 21; Sp. p. 3751; Dr. p. 775; Gaz. vol. 135; p. 649.
 Ames, J. M., New York, N. Y., assignor to American Car & Foundry Company, St. Louis, Mo. Car-underframe. No. 904,746; Nov. 24; Sp. p. 4552; Gaz. vol. 137; p. 822.
 Amet, E. H., Phoenix, Ariz. Ter. Bowed musical instrument. No. 893,771; July 21; Sp. p. 2910; Dr. p. 596; Gaz. vol. 135; p. 517.
 Amet, E. H., assignor to International Amet Company, Phoenix, Ariz. Producing gas. No. 885,903; Apr. 28; Sp. p. 4586; Dr. p. 962; Gaz. vol. 133; p. 2007.
 Amet, E. H., assignor to International Amet Company, Phoenix, Ariz. Apparatus for producing gas. No. 885,904; Apr. 28; Sp. p. 4590; Dr. p. 962; Gaz. vol. 133; p. 2008.
 Amet, E. H., assignor to International Amet Company, Phoenix, Ariz. Gas apparatus. No. 886,311; Apr. 28; Sp. p. 5411; Dr. p. 1136; Gaz. vol. 133; p. 2145.
 Ammerman, P. B., Brooklyn, N. Y. Rug corner-weight. No. 882,859; Mar. 24; Sp. p. 4721; Dr. p. 1003; Gaz. vol. 133; p. 870.
 Ammerman, W. M., assignor to E. J. Toof, New Haven, Conn. Tuck-marking attachment for sewing-machines. No. 877,475; Jan. 28; Sp. p. 3661; Dr. p. 794; Gaz. vol. 132; p. 685.
 Ammerman, W. M., assignor to E. J. Toof, New Haven, Conn. Ruffler attachment for sewing-machines. No. 879,433; Feb. 18; Sp. p. 3165; Dr. p. 658; Gaz. vol. 132; p. 1426.
 Ammerman, W. M., assignor to Edwin J. Toof Company, New Haven, Conn. Sewing-machine take-up. No. 886,574; May 5; Sp. p. 456; Dr. p. 97; Gaz. vol. 134; p. 83.
 Ammerman, W. M., New Haven, Conn., assignor, by mesne assignments, to A. E. Avery, administratrix. Clutch. No. 900,052; Sept. 29; Sp. p. 5638; Dr. p. 1204; Gaz. vol. 136; p. 1037.
 Ammerman, W. M., New Haven, Conn., assignor, by mesne assignments, to A. E. Avery, administratrix. Looper mechanism for sewing-machines. No. 905,483; Dec. 1; Sp. p. 761; Gaz. vol. 137; p. 1106.
 Ammerman, W. M., New Haven, Conn., assignor, by mesne assignments, to A. E. Avery, administratrix of E. J. Toof, deceased. Sewing-machine. No. 907,436; Dec. 22; Sp. p. 4522; Gaz. vol. 137; p. 1827.
 Ammon, C. T., assignor of one-half to S. Kready, Wooster, Ohio. Steam heating system. No. 904,499; Nov. 24; Sp. p. 4049; Gaz. vol. 137; p. 739.
 Amodeo-Salvator, E., Brooklyn, N. Y. Means for indicating and recording the revolutions of marine engines. No. 895,224; Aug. 4; Sp. p. 896; Dr. pp. 187-9; Gaz. vol. 135; p. 1044.
 Amon, J. (See Schwarz and Amon.)
 Amory, R., Boston, Mass. Manufacturing instruments for separating the cuticle from the nails. No. 897,810; Sept. 1; Sp. p. 1158; Dr. p. 247; Gaz. vol. 136; p. 184.
 Amory, R., Boston, Mass. Instrument for separating the cuticle from the nails. No. 902,546; Nov. 3; Sp. p. 17; Gaz. vol. 137; p. 4.
 Amos, H. M., Lorain, Ohio. Reinforced corner for boxes, crates, &c. No. 886,462; May 5; Sp. p. 241; Dr. p. 50; Gaz. vol. 134; p. 45.
 Amphion Piano-Player Company. (See Doman, L. B., assignor.)
 Amphion Piano-Player Company. (See Doman, B., assignor.)
 Amsberry, W. A. (See Mick, R. M., assignor.)
 Amstalden, W., assignor of one-half to A. Weil, Amador City, Cal. Electric-light fixture. No. 898,083; Sept. 8; Sp. p. 1743; Dr. p. 371; Gaz. vol. 136; p. 305.
 Amstutz, P. W., Pandora, Ohio. Checking and unchecking attachment for bridles. No. 895,411; Aug. 11; Sp. p. 1275; Dr. p. 268; Gaz. vol. 135; p. 1129.
 Amundsen, K., *et al.* (See Elgen, M. P., assignor.)
 Amundson, P. A., assignor of one-half to T. E. Amundson, Toland, Wis. Violin. No. 896,790; Aug. 23; Sp. p. 4021; Dr. p. 865; Gaz. vol. 135; p. 1620.
 Amundson, T. E. (See Amundson, P. A., assignor.)
 Amyx, C. B., *et al.* (See Kirchhoff, W. C., assignor.)
 Anable, F. S., assignor to National Binding Machine Company, Boston, Mass. Strip-serving device. No. 897,509; Sept. 1; Sp. p. 549; Dr. p. 116; Gaz. vol. 136; p. 88.
 Anable, F. S., assignor to National Binding Machine Company, Boston, Mass. Strip-serving device. No. 897,510; Sept. 1; Sp. p. 552; Dr. p. 116; Gaz. vol. 136; p. 88.
 Anderegg, D. (See Pillmore and Anderegg.)
 Andersen, A. W., and H. W. Hansen, Chicago, Ill. Overflow-alarm. No. 886,336; May 5; Sp. p. 1; Dr. p. 1; Gaz. vol. 134; p. 3.
 Andersen, B. P., Racine, Wis. Iron fence-post. No. 903,944; Nov. 17; Sp. p. 2872; Gaz. vol. 137; p. 524.

Alphabetical list of patentees—Continued.

- Andersen, C. M., Chicago Heights, Ill. Wrench. No. 895,712; Aug. 11; Sp. p. 1869; Dr. p. 396; Gaz. vol. 135; p. 1227.
- Andersen, C. M., Chicago Heights, Ill. Turning device. No. 895,713; Aug. 11; Sp. p. 1871; Dr. p. 397; Gaz. vol. 135; p. 1228.
- Andersen, H. F. A., Cushing, Nebr. Land-roller. No. 904,913; Nov. 24; Sp. p. 4908; Gaz. vol. 137; p. 877.
- Andersen, J. P., and E. G. Dean, Naper, Nebr. Post-hole digger. No. 881,280; Mar. 10; Sp. p. 1582; Dr. p. 338; Gaz. vol. 133; p. 296.
- Andersen, N. M., Detroit, Mich. Bread-cutting device. No. 898,163; Sept. 8; Sp. p. 1896; Dr. p. 405; Gaz. vol. 136; p. 330.
- Anderson, A. (See Warren and Anderson.)
- Anderson, A., Minneapolis, Minn. Window-lock. No. 882,265; Feb. 25; Sp. p. 4908; Dr. p. 1038; Gaz. vol. 132; p. 1732.
- Anderson, A., Somerville, Mass. Jig-saw. No. 882,044; Mar. 17; Sp. p. 3143; Dr. p. 667; Gaz. vol. 133; p. 571.
- Anderson, A., Omaha, Nebr. Hand-truck. No. 903,794; Nov. 3; Sp. p. 505; Gaz. vol. 137; p. 88.
- Anderson, A., assignor to Globe Manufacturing Company, Minneapolis, Minn. Sewing-machine-needle threader. No. 906,985; Dec. 15; Sp. p. 3597; Gaz. vol. 137; p. 1641.
- Anderson, A., assignor of three-fourths to G. C. Harper, N. J. Olson, Minneapolis, and A. G. Wedge, Detroit, Minn. Lady's work-box. No. 890,486; June 9; Sp. p. 2537; Dr. p. 573; Gaz. vol. 134; p. 1502.
- Anderson, A. C., Copenhagen, Denmark. Water-color for ceilings and the like. No. 887,452; May 12; Sp. p. 2286; Gaz. vol. 134; p. 396.
- Anderson, A. F., Steger, Ill. Reinforced concrete slab. No. 890,011; June 9; Sp. p. 1630; Dr. p. 365; Gaz. vol. 134; p. 1348.
- Anderson, A. G., assignor to Illinois Malleable Iron Company, Chicago, Ill. Pipe-union. No. 883,075; Mar. 24; Sp. p. 5125; Dr. p. 1094; Gaz. vol. 133; p. 940.
- Anderson, A. G., assignor, by mesne assignments, to Worcester Pressed Steel Company, Worcester, Mass. Makingscrew-nuts. No. 900,341; Oct. 6; Sp. p. 565; Dr. p. 118; Gaz. vol. 136; p. 1161.
- Anderson, A. G., Worcester, Mass., assignor to Worcester Pressed Steel Company. Making metal wheels. No. 903,532; Nov. 10; Sp. p. 1997; Gaz. vol. 137; p. 358.
- Anderson, A. J., assignor to U. S. Wind Engine & Pump Company, Batavia, Ill. Windmill. No. 889,290; June 2; Sp. p. 193; Dr. pp. 48-9; Gaz. vol. 134; p. 1088.
- Anderson, A. L. (See Anderson, T. J. and A. L.)
- Anderson, A. L., Hartford, Conn. Interior micrometer. No. 890,590; June 16; Sp. p. 2817; Dr. p. 621; Gaz. vol. 134; p. 1569.
- Anderson, A. M., and C. Quesnell, assignors to Idaho National Harvester Company, Limited, Moscow, Idaho. Threshing-machine. No. 887,024; May 5; Sp. p. 1364; Dr. p. 290; Gaz. vol. 134; p. 226.
- Anderson, A. O., and A. Johnson, assignors of one-half to R. and W. Matak, St. Paul, Minn. Separable tooth for power-shovel dippers. No. 894,175; July 28; Sp. p. 3761; Dr. p. 779; Gaz. vol. 135; p. 669.
- Anderson, A. S., Naughton, N. D. Automatic throttle-operator. No. 880,061; Feb. 25; Sp. p. 4497; Dr. pp. 944-5; Gaz. vol. 132; p. 1664.
- Anderson, A. S., Chicago, Ill. Window-cleaning device. No. 907,553; Dec. 22; Sp. p. 4735; Gaz. vol. 137; p. 1865.
- Anderson, A. W., Seldovia, Alaska. Harmonica. No. 904,914; Nov. 24; Sp. p. 4909; Gaz. vol. 137; p. 877.
- Anderson, B. A., San Francisco, Cal. Cutter-head for suction-dredges. No. 895,138; Aug. 4; Sp. p. 721; Dr. p. 151; Gaz. vol. 135; p. 1014.
- Anderson, C., Rock Island, Ill. Corn-planter. No. 877,693; Jan. 28; Sp. p. 4116; Dr. p. 891; Gaz. vol. 132; p. 757.
- Anderson, C., Chicago, Ill. Pan-lifter. No. 906,986; Dec. 15; Sp. p. 3598; Gaz. vol. 137; p. 1641.
- Anderson, C. G. (See Pålsson, C. J., assignor.)
- Anderson, C. J., Menomonie, Wis. Dump for brick-yards. No. 905,043; Nov. 24; Sp. p. 5163; Gaz. vol. 137; p. 921.
- Anderson, C. O., assignor of one-half to A. T. Austin, Omaha, Nebr. Automatic slack-adjuster. No. 893,220; July 14; Sp. p. 1685; Dr. p. 356; Gaz. vol. 135; p. 304.
- Anderson, C. P., Brown Valley, Minn. Weed-destroyer. No. 885,825; Apr. 28; Sp. p. 4441; Dr. pp. 933-4; Gaz. vol. 133; p. 1982.
- Anderson, C. R. (See Farnum and Anderson.)
- Anderson, C. S., Columbus, Ohio. Stamp. No. 876,677; Jan. 14; Sp. p. 2040; Dr. p. 445; Gaz. vol. 132; p. 362.
- Anderson, D. (See Stawartz and Anderson.)
- Anderson, D. C., St. Louis, Mo. Adjustable leaf and binder. No. 879,135; Feb. 18; Sp. p. 2566; Dr. p. 534; Gaz. vol. 132; p. 1327.
- Anderson, D. F. (See Gilmore, E. L., assignor.)
- Anderson, D. H., Philadelphia, Pa. Cuff. No. 886,671; May 5; Sp. p. 661; Dr. p. 137; Gaz. vol. 134; p. 113.
- Anderson, D. W., La Fayette, assignor to J. L. Mott, Laporte, Ind. Door-check. No. 890,207; June 9; Sp. p. 2029; Dr. p. 447; Gaz. vol. 134; p. 1414.
- Anderson, E. (See Kjellin and Anderson.)
- Anderson, E., Hastings, Nebr. Strain-equalizer for grain-shakers. No. 873,597; Feb. 11; Sp. p. 1524; Dr. p. 310; Gaz. vol. 132; p. 1116.
- Anderson, E. C., *et al.* (See Corcilius, A. B., assignor.)
- Anderson, E. E. (See Elzy and Anderson.)
- Anderson, E. H., Schenectady, N. Y., assignor to General Electric Company. Electric brake. No. 895,830; Aug. 11; Sp. p. 2121; Dr. p. 449; Gaz. vol. 135; p. 1265.
- Anderson, E. J., Davenport, Iowa. Track-sanding device. No. 881,452; Mar. 10; Sp. p. 1913; Dr. p. 416; Gaz. vol. 133; p. 349.
- Anderson, E. J., Worcester, Mass. Match-box. No. 887,747; May 19; Sp. p. 2867; Dr. p. 605; Gaz. vol. 134; p. 522.
- Anderson, E. J., and S. Hanson, Houston, Minn. Pipe-lifter. No. 877,282; Jan. 21; Sp. p. 3292; Dr. p. 712; Gaz. vol. 132; p. 603.
- Anderson, E. L., Philadelphia, Pa. Automatic tramway-switch. No. 897,511; Sept. 1; Sp. p. 556; Dr. p. 117; Gaz. vol. 136; p. 88.
- Anderson, E. M. (See Byrd and Anderson.)
- Anderson, E. M., Washington, Iowa. Grain-board for wagons. No. 880,493; Mar. 3; Sp. p. 5; Dr. p. 2; Gaz. vol. 133; p. 3.
- Anderson, E. V., Monessen, Pa. Valve. No. 892,012; Oct. 13; Sp. p. 2370; Dr. p. 485; Gaz. vol. 136; p. 1473.
- Anderson, E. V., Pittsburg, assignor of one-half to C. E. Golden, Crafton, Pa. Valve for stand-pipes, &c. No. 890,550; June 9; Sp. p. 2713; Dr. pp. 599-600; Gaz. vol. 134; p. 1524.
- Anderson, F. A. (See Harris and Anderson.)
- Anderson, F. C., assignor to American Valve & Meter Company, Cincinnati, Ohio. Adjustable switch-throwing crank. No. 907,114; Dec. 22; Sp. p. 3859; Gaz. vol. 137; p. 1717.
- Anderson, F. C., Minneapolis, Minn. Ring-expander. No. 896,428; Aug. 18; Sp. p. 3284; Dr. p. 705; Gaz. vol. 135; p. 1480.
- Anderson, F. P., Columbus, Ohio. Desk-telephone support. No. 900,640; Oct. 6; Sp. p. 1221; Dr. p. 250; Gaz. vol. 136; p. 1260.
- Anderson, F. W., Middletown, N. Y. Sectional chair. No. 904,469; Nov. 17; Sp. p. 3962; Gaz. vol. 137; p. 702.
- Anderson, G., Wakefield, Nebr. Seed-corn magnifier. No. 879,717; Feb. 18; Sp. p. 3761; Dr. p. 789; Gaz. vol. 132; p. 1518.
- Anderson, G., Dunlap, Kans. Sheave-header. No. 892,114; June 30; Sp. p. 5936; Dr. p. 1279; Gaz. vol. 134; p. 2133.
- Anderson, G. A., assignor to Gieser Manufacturing Company, Waynesboro, Pa. Plow. No. 885,563; Apr. 21; Sp. p. 3905; Dr. pp. 815-16; Gaz. vol. 133; p. 1867.
- Anderson, G. A., assignor to Geiser Manufacturing Company, Waynesboro, Pa. Universal coupling. No. 901,864; Oct. 20; Sp. p. 3754; Dr. p. 763; Gaz. vol. 136; p. 1721.
- Anderson, G. C., Springfield, Ill. Card system. No. 885,826; Apr. 28; Sp. p. 4443; Dr. p. 934; Gaz. vol. 133; p. 1982.
- Anderson, G. J., Allston, Mass. Diaphragm for recorders or reproducers. No. 892,205; June 30; Sp. p. 6128; Dr. p. 1318; Gaz. vol. 134; p. 2165.
- Anderson, G. W., Bloomington, Ill. Wall-safe. No. 891,969; June 30; Sp. p. 5685; Dr. p. 1224; Gaz. vol. 134; p. 2089.
- Anderson, H. (See Anderson, W. and H.)
- Anderson, H., Peekskill, N. Y. Water-heater. No. 878,108; Feb. 4; Sp. p. 432; Dr. p. 91; Gaz. vol. 132; p. 918.
- Anderson, H., Haddonfield, N. J. Electric fire-alarm. No. 900,641; Oct. 6; Sp. p. 1223; Dr. p. 250; Gaz. vol. 136; p. 1261.
- Anderson, H. B. (See Winton and Anderson.)
- Anderson, H. C. (See Falk and Anderson.)
- Anderson, H. R., Gainesboro, Tenn. Well-bucket dump. No. 887,566; May 12; Sp. p. 2520; Dr. p. 531; Gaz. vol. 134; p. 434.
- Anderson, H. W., Red Lake Falls, Minn. Revolving cabinet. No. 905,975; Dec. 8; Sp. p. 1691; Gaz. vol. 137; p. 1291.
- Anderson, J., *et al.* (See Norstrom, N. E., assignor.)
- Anderson, J., Cleburne, Tex. Mail-bag catcher and deliverer. No. 885,216; Apr. 21; Sp. p. 3200; Dr. pp. 668-9; Gaz. vol. 133; p. 1756.
- Anderson, J., Hattin, N. D. Rail-fastener. No. 890,396; June 9; Sp. p. 2424; Dr. p. 535; Gaz. vol. 134; p. 1474.
- Anderson, J., Chicago, Ill. Valve and cock. No. 903,158; Nov. 10; Sp. p. 1242; Gaz. vol. 137; p. 235.
- Anderson, J., Lexington, Mo. Switch-operator. No. 903,825; Nov. 17; Sp. p. 2601; Gaz. vol. 137; p. 483.
- Anderson, J., assignor to Allth Manufacturing Company, Hamilton, Ontario, Canada. Support for sliding-door tracks. No. 897,697; Sept. 1; Sp. p. 926; Dr. p. 196; Gaz. vol. 136; p. 148.
- Anderson, J., Westfield, and H. Torjesen, Garwood, N. J. Convertible chair. No. 884,060; Apr. 7; Sp. p. 788; Dr. pp. 165-6; Gaz. vol. 133; p. 1319.
- Anderson, J. A., Council Bluffs, Iowa. Truss. No. 894,095; July 21; Sp. p. 3578; Dr. p. 736; Gaz. vol. 135; p. 624.
- Anderson, J. A., and H. M. Middleton, Argyle, Wis. Egg-register. No. 903,430; Nov. 10; Sp. p. 1778; Gaz. vol. 137; p. 323.
- Anderson, J. A. E., Chicago, Ill. Ice-creeper. No. 885,827; Apr. 28; Sp. p. 4446; Dr. p. 934; Gaz. vol. 133; p. 1983.
- Anderson, J. A. E., assignor of one-half to S. A. Hitchcock, Chicago, Ill. Portable fire-extinguisher. No. 883,679; Mar. 31; Sp. p. 6386; Dr. p. 1362; Gaz. vol. 133; p. 1164.
- Anderson, J. B., Shaler township, Allegheny county, assignor of one-half to L. H. Steitz, Pittsburg, Pa. Rope-fastener. No. 904,747; Nov. 24; Sp. p. 4554; Gaz. vol. 137; p. 822.

Alphabetical list of patentees—Continued.

- Anderson, J. C., Washington, D. C. Bottle. No. 889,498; June 2; Sp. p. 621; Dr. p. 145; Gaz. vol. 134; p. 1156.
 Anderson, J. C., Washington, D. C. Bottle. No. 889,499; June 2; Sp. p. 623; Dr. p. 145; Gaz. vol. 134; p. 1156.
 Anderson, J. C., Washington, D. C. Bottle. No. 889,500; June 2; Sp. p. 625; Dr. p. 145; Gaz. vol. 134; p. 1156.
 Anderson, J. D. (See Bricker, E. J., assignor.)
 Anderson, J. D., St. Marys, Ohio. Electrical governor for gas-engines. No. 889,086; May 26; Sp. p. 5552; Dr. p. 1179; Gaz. vol. 134; p. 991.
 Anderson, J. E. (See Wallen, A. B., assignor.)
 Anderson, J. G., Rockhill, S. C. Hanger for vehicle-bodies. No. 885,659; Apr. 21; Sp. p. 4087; Dr. p. 855; Gaz. vol. 133; p. 1897.
 Anderson, J. N., assignor to C. W. Hoffman, New York, N. Y. Safety device for elevators. No. 900,074; Oct. 6; Sp. p. 1; Dr. p. 1; Gaz. vol. 136; p. 1075.
 Anderson, J. P. A., Madrid, Iowa. Lightning-protector attachment for trees. No. 880,854; Mar. 3; Sp. p. 755; Dr. p. 160; Gaz. vol. 133; p. 127.
 Anderson, J. P. A., Madrid, Iowa. Apparatus for protecting grain-stacks. No. 881,453; Mar. 10; Sp. p. 1916; Dr. p. 416; Gaz. vol. 133; p. 330.
 Anderson, J. W., Crocker, Mo. Pump. No. 886,916; May 5; Sp. p. 1161; Dr. p. 244; Gaz. vol. 134; p. 191.
 Anderson, L., Columbus, Wis. Tobacco-lath holder. No. 906,847; Dec. 15; Sp. p. 3341; Gaz. vol. 137; p. 1597.
 Anderson, L., assignor to Triplex Gas Engine Company, New York, N. Y. Carbureter. No. 878,706; Feb. 11; Sp. p. 1733; Dr. pp. 358-9; Gaz. vol. 132; p. 1151.
 Anderson, L. M., New York, N. Y. Dressing-sack. No. 894,096; July 21; Sp. p. 3579; Dr. p. 737; Gaz. vol. 135; p. 624.
 Anderson, L. M., Crookston, Minn., assignor, by mesne assignments, to Indiana Manufacturing Company, Indianapolis, Ind. Pneumatic stacker. No. 888,571; May 26; Sp. p. 4500; Dr. pp. 953-5; Gaz. vol. 134; p. 824.
 Anderson, M., Jr., New York, N. Y. Bottle-stopper. No. 879,024; Feb. 11; Sp. p. 2324; Dr. p. 486; Gaz. vol. 132; p. 1251.
 Anderson, M., and M. F. Ogden, Stanley, N. D. Yielding device for disk plows. No. 889,885; June 9; Sp. p. 1371; Dr. p. 312; Gaz. vol. 134; p. 1305.
 Anderson, M. V., Washington, D. C. Candelabrum. No. 904,111; Nov. 17; Sp. p. 3192; Gaz. vol. 137; p. 580.
 Anderson, N. L., Winston Salem, N. C. Type-writer carriage-return mechanism. No. 900,642; Oct. 6; Sp. p. 1224; Dr. p. 251; Gaz. vol. 136; p. 1261.
 Anderson, N. L., Montgomery, Ala. Type-writer. No. 906,600; Dec. 15; Sp. p. 2865; Gaz. vol. 137; p. 1519.
 Anderson, N. M., assignor of two-thirds to S. M. Hokom and F. A. Norborg, Galva, Ill. Corn gathering and husking machine. No. 884,308; Apr. 7; Sp. p. 1285; Dr. pp. 272-3; Gaz. vol. 133; p. 1398.
 Anderson, O., Kearny, N. J. Centrifugal cream-separator. No. 877,158; Jan. 21; Sp. p. 3038; Dr. pp. 657-8; Gaz. vol. 132; p. 561.
 Anderson, O., Kearny, N. J. Clutch. No. 878,177; Feb. 4; Sp. p. 600; Dr. pp. 123-4; Gaz. vol. 132; p. 942.
 Anderson, O., Arlington, assignor to National Dairy Machine Company, Newark, N. J. Cream-separator. No. 889,350; June 2; Sp. p. 304; Dr. pp. 71-2; Gaz. vol. 134; p. 1108.
 Anderson, O. A., Grand Rapids, Mich. Bench-vise. No. 897,185; Aug. 25; Sp. p. 4848; Dr. p. 1031; Gaz. vol. 135; p. 1750.
 Anderson, O. T., and F. A. Johnson, Chicago, Ill. Marking-gage. No. 881,887; Mar. 17; Sp. p. 2811; Dr. p. 600; Gaz. vol. 133; p. 521.
 Anderson & Prigge. (See Greiner, F., assignor.)
 Anderson, R., Allegheny, Pa. Bread-cutter. No. 904,593; Nov. 24; Sp. p. 4228; Gaz. vol. 137; p. 770.
 Anderson, R., Schenectady, N. Y., assignor to General Electric Company. Magnetic clutch. No. 882,607; Mar. 24; Sp. p. 4204; Dr. p. 891; Gaz. vol. 133; p. 788.
 Anderson, R., assignor to Ferro-Concrete Construction Company, Cincinnati, Ohio. Reinforced-concrete-construction member. No. 894,997; Aug. 4; Sp. p. 453; Dr. pp. 91-2; Gaz. vol. 135; p. 967.
 Anderson, R. H., Johannesburg, Transvaal. Percussion rock-drill. No. 890,012; June 9; Sp. p. 1631; Dr. p. 365; Gaz. vol. 134; p. 1348.
 Anderson, R. H., Germiston, Transvaal. Rock-drill. No. 893,596; July 21; Sp. p. 2479; Dr. p. 516; Gaz. vol. 135; p. 457.
 Anderson, R. H., Germiston, Transvaal. Rock-drill. No. 897,336; Sept. 1; Sp. p. 172; Dr. p. 36; Gaz. vol. 136; p. 26.
 Anderson, S. (See Jose and Anderson.)
 Anderson, S., Brockton, Mass. Tailor's measuring device. No. 902,704; Nov. 3; Sp. p. 346; Gaz. vol. 137; p. 58.
 Anderson, S. F., A. Stockholm, Sweden. Churn. No. 897,698; Sept. 1; Sp. p. 927; Dr. p. 197; Gaz. vol. 136; p. 149.
 Anderson, T. J., and A. L., Rockdale, Wis. Horseshoe. No. 876,928; Jan. 21; Sp. p. 2538; Dr. p. 555; Gaz. vol. 132; p. 452.
 Anderson, T. M., San Francisco, Cal. Clothes-hanger. No. 886,917; May 5; Sp. p. 1162; Dr. p. 244; Gaz. vol. 134; p. 191.
 Anderson, T. W., Seale, Ala. Mail-box. No. 899,781; Sept. 29; Sp. p. 5048; Dr. p. 1082; Gaz. vol. 136; p. 950.
 Anderson Tool Company. (See Emanuel, B. D., assignor.)
 Anderson, U., assignor to Giddings & Lewis Manufacturing Company, Fond du Lac, Wis. Gang-edger. No. 877,878; Jan. 28; S. p. 4444; Dr. pp. 968-9; Gaz. vol. 132; p. 815.
 Anderson, V. G., Worcester, Mass. Mail-arranging device. No. 898,164; Sept. 8; Sp. p. 1898; Dr. p. 406; Gaz. vol. 136; p. 330.
 Anderson, W., assignor to A. A. Strange, Memphis, Tenn. Switch-lock. No. 891,129; June 16; Sp. p. 3908; Dr. p. 856; Gaz. vol. 134; p. 1745.
 Anderson, W. and H., Edinburgh, Scotland. Globe-support. No. 905,128; Dec. 1; Sp. p. 2; Gaz. vol. 137; p. 985.
 Anderson, W. C., San Jose, Cal. Fruit-grader. No. 891,225; June 23; Sp. p. 4135; Dr. p. 905; Gaz. vol. 134; p. 1811.
 Anderson, W. C., Smuggler, Cal. Mining. No. 906,765; Dec. 15; Sp. p. 3196; Gaz. vol. 137; p. 1572.
 Anderson, W. J. (See Dyett, J. H., assignor.)
 Anderson, W. J., Philadelphia, Pa. Stocking-turning machine. No. 890,833; June 16; Sp. p. 3337; Dr. p. 731; Gaz. vol. 134; p. 1651.
 Anderson, W. P., and L. H. Nolte, assignors to Ferro-Concrete Construction Company, Cincinnati, Ohio. Reinforced concrete flooring. No. 875,975; Jan. 7; Sp. p. 564; Dr. p. 121; Gaz. vol. 132; p. 98.
 Anderson, W. W., Takoma Park, Md. Closure for packages. No. 902,705; Nov. 3; Sp. p. 347; Gaz. vol. 137; p. 59.
 Andlauer, R., Kansas City, Kans., assignor to J. H. Fink, deceased, (E. H. Patton, executrix,) Kansas City, Mo., G. A. Patton, Denver, Colo., and J. H. Schmidt, Kansas City, Mo. Poultry-crate. No. 877,032; Jan. 21; Sp. p. 2779; Dr. p. 601; Gaz. vol. 132; p. 520.
 Andrae, C. J., St. Louis, Mo. Wall-register. No. 886,463; May 5; Sp. p. 242; Dr. pp. 50-1; Gaz. vol. 134; p. 45.
 Andrazky, T. Q., Chicago, Ill. Cut-out box. No. 901,939; Oct. 27; Sp. p. 3911; Dr. p. 798; Gaz. vol. 136; p. 1777.
 Andreas, K. A. E., Berlin, Germany. Rotary engine. No. 890,591; June 16; Sp. p. 2818; Dr. p. 621; Gaz. vol. 134; p. 1569.
 Andree, G. (See Kohlmann and Andree.)
 Andree, W. E., Chicago, Ill., assignor, by mesne assignments, to American Laundry Machinery Manufacturing Company. Ironing-machine. No. 886,028; Apr. 28; Sp. p. 4874; Dr. p. 1026; Gaz. vol. 133; p. 2050.
 Andres, J., et al. (See Ruse, C. L., assignor.)
 Andres, J. B. (See Kindel and Andres.)
 Andres, J. F., St. Louis, Mo. Carbureter. No. 876,678; Jan. 14; Sp. p. 2042; Dr. pp. 445-6; Gaz. vol. 132; p. 363.
 Andresen, H. P., assignor of one-half to D. J. Evans, Chicago, Ill. Grab-bucket. No. 897,246; Aug. 25; Sp. p. 5076; Dr. p. 1060; Gaz. vol. 135; p. 1775.
 Andresen, H. P., assignor of one-half to D. J. Evans, Chicago, Ill. Traveling bridge or crane. No. 903,806; Nov. 10; Sp. p. 2545; Gaz. vol. 137; p. 445.
 Andrew, C. H. and H. E. B., Stockport, England. Tobacco-stemming machine. No. 880,616; Mar. 3; Sp. p. 259; Dr. p. 54; Gaz. vol. 133; p. 45.
 Andrew, H. E. B. (See Andrew, C. H. and H. E. B.)
 Andrew, J. T., Montgomery, Ala. Safety appliance for railway-cars. No. 895,935; Aug. 11; Sp. p. 2308; Dr. pp. 491-2; Gaz. vol. 135; p. 1298.
 Andrew, J. T., Montgomery, Ala. Safety device for railway-cars. No. 895,936; Aug. 11; Sp. p. 2309; Dr. p. 492; Gaz. vol. 135; p. 1298.
 Andrew, J. T., Montgomery, Ala. Safety appliance for railway-cars. No. 895,937; Aug. 11; Sp. p. 2311; Dr. pp. 492-3; Gaz. vol. 135; p. 1299.
 Andrew, J. T., Montgomery, Ala. Safety appliance for railways. No. 897,864; Sept. 8; Sp. p. 1274; Dr. p. 272; Gaz. vol. 136; p. 233.
 Andrew, J. T., Montgomery, Ala. Safety appliance for railway-cars. No. 898,165; Sept. 8; Sp. p. 1900; Dr. p. 406; Gaz. vol. 136; p. 330.
 Andrew, W. K., Milwaukee, Wis., assignor to International Harvester Company. Oil-pump for explosive-engines. No. 883,849; Apr. 7; Sp. p. 361; Dr. p. 70; Gaz. vol. 133; p. 1248.
 Andrew, W. K., Milwaukee, Wis., assignor to International Harvester Company. Starting mechanism for gas-engines. No. 889,886; June 9; Sp. p. 1372; Dr. p. 312; Gaz. vol. 134; p. 1305.
 Andrew, W. K., Milwaukee, Wis., assignor to International Harvester Company. Starting mechanism for gas-engines. No. 899,498; Sept. 29; Sp. p. 4441; Dr. p. 953; Gaz. vol. 136; p. 856.
 Andrews, A., Plainfield, N. J. Pipe-closure. No. 888,683; May 26; Sp. p. 4744; Dr. p. 1008; Gaz. vol. 134; p. 861.
 Andrews, A. G., Pittsburg, Pa. Amusement device. No. 883,441; Mar. 31; Sp. p. 5920; Dr. pp. 1263-4; Gaz. vol. 133; p. 1092.
 Andrews, A. H. (See Lipscomb and Andrews.)
 Andrews, A. H. (See Schuster, D., assignor.)
 Andrews, A. L., Franklin, Pa. Coin-assorting savings-bank. No. 906,183; Dec. 8; Sp. p. 2099; Gaz. vol. 137; p. 1360.

Alphabetical list of patentees—Continued.

- Andrews, A. W., assignor to Andrews Wire & Iron Works, Rockford, Ill. Carpet-beater. No. 897,512; Sept. 1; Sp. p. 562; Dr. p. 118; Gaz. vol. 136; p. 89.
- Andrews, B., Jr., Mexico, Mexico. Tube clamp and elevator. No. 908,061; Dec. 29; Sp. p. 5838; Gaz. vol. 137; p. 2062.
- Andrews, C., Jr., assignor to Andrews Wire & Iron Works, Rockford, Ill. Toaster. No. 897,513; Sept. 1; Sp. p. 562; Dr. p. 118; Gaz. vol. 136; p. 89.
- Andrews, C. C., Memphis, Tenn. Mail catching and delivering device. No. 882,661; Mar. 24; Sp. p. 4314; Dr. pp. 916-17; Gaz. vol. 133; p. 806.
- Andrews, D. I., Southington, Conn. Window-blind. No. 895,139; Aug. 4; Sp. p. 722; Dr. p. 151; Gaz. vol. 135; p. 1015.
- Andrews, E. P. S., West Windham, N. H. Torpedo-placer. No. 908,192; Dec. 29; Sp. p. 6128; Gaz. vol. 137; p. 2107.
- Andrews, F. E., assignor of one-half to G. Mutschler, Springfield, Mo. Churn. No. 884,452; Apr. 14; Sp. p. 1586; Dr. p. 342; Gaz. vol. 133; p. 1476.
- Andrews, F. S., assignor to E. F. Cassel, London, England. Photographic camera. No. 883,607; Mar. 31; Sp. p. 6232; Dr. pp. 1329-30; Gaz. vol. 133; p. 1141.
- Andrews, H., Stratton, Nebr. Hoof-cutting knife. No. 882,662; Mar. 24; Sp. p. 4318; Dr. p. 917; Gaz. vol. 133; p. 806.
- Andrews, H. B., Melrose, assignor to Simpson Bros., Boston, Mass. Reinforced concrete beam. No. 896,679; Aug. 18; Sp. p. 3767; Dr. p. 814; Gaz. vol. 135; p. 1559.
- Andrews, J. D. (See Andrews, L. M. and J. D.)
- Andrews, J. D. F., East Sheen, England. Furnace. No. 888,380; May 19; Sp. p. 4088; Dr. p. 863; Gaz. vol. 134; p. 728.
- Andrews, J. S., New York, N. Y. Underframe for cars. No. 881,281; Mar. 10; Sp. p. 1584; Dr. p. 338; Gaz. vol. 133; p. 296.
- Andrews, J. S., New York, N. Y. Freight-car. No. 901,413; Oct. 20; Sp. p. 2812; Dr. p. 574; Gaz. vol. 136; p. 1574.
- Andrews, J. S., New York, N. Y. Underframe for cars. No. 905,271; Dec. 1; Sp. p. 289; Gaz. vol. 137; p. 1033.
- Andrews, L., Apopka, Fla. Furnace-door opener and closer. No. 890,325; June 9; Sp. p. 2299; Dr. p. 507; Gaz. vol. 134; p. 1452.
- Andrews, L. M. and J. D., Rockfish, N. C. Plow. No. 907,306; Dec. 22; Sp. p. 4260; Gaz. vol. 137; p. 1785.
- Andrews, P. I., Kennebunk, Me. Buckle. No. 886,029; Apr. 28; Sp. p. 4876; Dr. p. 1027; Gaz. vol. 133; p. 2050.
- Andrews, T., Rockaway, N. J., assignor to Thomas Andrews Manufacturing Company. Tube-cleaner. (Reissue.) No. 12,799; May 26; Sp. p. 5802; Dr. p. 1231; Gaz. vol. 134; p. 1026.
- Andrews, T., assignor to Thomas Andrews Manufacturing Company, Rockaway, N. J. Coupling. No. 900,974; Oct. 13; Sp. p. 1926; Dr. p. 392; Gaz. vol. 136; p. 1396.
- Andrews, T., assignor to Thomas Andrews Manufacturing Company, Rockaway, N. J. Tube-cleaner. No. 901,940; Oct. 27; Sp. p. 3912; Dr. p. 798; Gaz. vol. 136; p. 1777.
- Andrews, T. A., Grantville, Ga. Rib for cotton-gins. No. 882,732; Mar. 24; Sp. p. 4453; Dr. p. 947; Gaz. vol. 133; p. 828.
- Andrews, W. S., and H. J. Mauger, Schenectady, N. Y., assignors to General Electric Company. Electric heating device. No. 888,381; May 19; Sp. p. 4091; Dr. p. 864; Gaz. vol. 134; p. 728.
- Andrews Wire & Iron Works. (See Andrews, A. W., assignor.)
- Andrews Wire & Iron Works. (See Andrews, C., Jr., assignor.)
- Andrews Wire & Iron Works. (See Schleicher and Fisher, assignors.)
- Andriano, A. K., assignor to Direct-Line General Telephone Company, San Francisco, Cal. Switching mechanism for telephone-circuits. No. 877,033; Jan. 21; Sp. p. 2782; Dr. pp. 601-2; Gaz. vol. 132; p. 520.
- Andrick, M. T., Terre Haute, Ind. Hose-bridge. No. 900,690; Oct. 13; Sp. p. 1335; Dr. p. 272; Gaz. vol. 136; p. 1305.
- Anello, F. P., Newark, N. J. Pin. No. 883,375; Mar. 31; Sp. p. 5755; Dr. p. 1229; Gaz. vol. 133; p. 1068.
- Angel, J. W., Rising Star, Tex. Fish-trap. No. 879,136; Feb. 18; Sp. p. 2567; Dr. p. 534; Gaz. vol. 132; p. 1327.
- Angelinetta, F. A. (See Morice, P., assignor.)
- Anger, E. W., Jr. (See Hornsby and Anger.)
- Anger, J. E., Preston, England. Car structure. No. 898,952; Sept. 15; Sp. p. 3384; Dr. p. 727; Gaz. vol. 136; p. 616.
- Anger, J. E., Preston, England. Street-car indicator. No. 904,915; Nov. 24; Sp. p. 4910; Gaz. vol. 137; p. 877.
- Anger, J. E., Preston, England. Tram-car or other like vehicle. No. 906,362; Dec. 8; Sp. p. 2442; Gaz. vol. 137; p. 1419.
- Angerer, V., Ridley Park, assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Tongue-switch. No. 881,043; Mar. 3; Sp. p. 1100; Dr. p. 238; Gaz. vol. 133; p. 188.
- Angevine, H. Z., Los Angeles, assignor of one-third to C. E. Jones, Lancaster, Cal. Boot and shoe. No. 895,140; Aug. 4; Sp. p. 723; Dr. p. 151; Gaz. vol. 135; p. 1015.
- Anglo-Continental (vormals Ohlendorff & Sche) Guano-Werke, Firm of. (See Keller, A. P., assignor.)
- Angove, J., Calumet, Mich. Skip-dump. No. 903,263; Nov. 10; Sp. p. 1463; Gaz. vol. 137; p. 270.
- Angove, J. B. (See Free and Angove.)
- Angus, A. A., assignor of one-half to H. D. Elwell, New York, N. Y. Comb. No. 879,126; Feb. 11; Sp. p. 2544; Dr. p. 529; Gaz. vol. 132; p. 1283.
- Angus, A. R., Neutral Bay, New South Wales, Australia. Running-gear of railway-cars. No. 903,654; Nov. 10; Sp. p. 2243; Gaz. vol. 137; p. 397.
- Angus, E. A., Moonee Ponds, near Melbourne, Victoria, Australia. Shuttle-replenishing mechanism. No. 906,987; Dec. 15; Sp. p. 3599; Gaz. vol. 137; p. 1641.
- Aniline Colour and Extract Works, formerly J. R. Geigy. (See Conzetti, A., assignor.)
- Anishansli, E., New York, N. Y. Ribbon-receptacle. No. 894,097; July 21; Sp. p. 3580; Dr. p. 737; Gaz. vol. 135; p. 625.
- Anizan, J. M. (See Dupin and Anizan.)
- Annard, R. C., South Shields, England. Apparatus for casting curved stereotype-plates. No. 887,372; May 12; Sp. p. 2109; Dr. pp. 442-5; Gaz. vol. 134; p. 369.
- Annard, R. C., South Shields, England. Stereotyping-machine. No. 887,373; May 12; Sp. p. 2122; Dr. pp. 446-8; Gaz. vol. 134; p. 370.
- Annard, R. C., South Shields, England. Casting of curved stereotype-plates. No. 887,732; May 12; Sp. p. 2822; Dr. pp. 556-7; Gaz. vol. 134; p. 490.
- Annas, B. U., Sawmill, N. C. Railway-joint. No. 877,694; Jan. 28; Sp. p. 4117; Dr. p. 891; Gaz. vol. 132; p. 757.
- Anner, H., Phillipsburg, N. J., assignor to Standard Silk Company. Apparatus for dyeing. No. 902,271; Oct. 27; Sp. p. 4595; Dr. p. 933; Gaz. vol. 136; p. 1883.
- Annis, A. J. (See Hubbell and Annis.)
- Anquist, P. J., Chicago, Ill. Fireproof door. No. 888,863; May 26; Sp. p. 5116; Dr. pp. 1090-1; Gaz. vol. 134; p. 918.
- Ansbach, Z. Z., Silver Creek, Pa. Mine-timber. No. 907,554; Dec. 22; Sp. p. 4737; Gaz. vol. 137; p. 1865.
- Anschütz, P., assignor of one-half to G. Bickelhaupt, New York, N. Y. Bobbin-carrier for sewing-machines. No. 888,684; May 26; Sp. p. 4745; Dr. p. 1009; Gaz. vol. 134; p. 861.
- Anschütz-Kaempfe, H., Kiel, Germany. Gyroscope. No. 877,034; Jan. 21; Sp. p. 2786; Dr. p. 602; Gaz. vol. 132; p. 520.
- Ansell, G. S., Berkeley, Va. Writing-tablet. No. 885,420; Apr. 21; Sp. p. 3610; Dr. p. 757; Gaz. vol. 133; p. 1823.
- Ansonia Clock Company. (See Davies, W. D., assignor.)
- Ansonia Novelty Company. (See Bristol, T. L., assignor.)
- Ansted, W. H., Dundee, Mich. Gate construction. No. 901,865; Oct. 20; Sp. p. 3755; Dr. p. 764; Gaz. vol. 136; p. 1722.
- Anstice, J. (See Smith, E. F., assignor.)
- Anthony, D. S., Durango, Mexico. Grinding-mill. No. 901,770; Oct. 20; Sp. p. 3590; Dr. p. 726; Gaz. vol. 136; p. 1693.
- Anthony, E. W. (See Rollins, C. H., assignor.)
- Anthony, F. (See Cook, E. R., assignor.)
- Anthony, F. A., Hackensack, N. J. Folding camera. No. 903,533; Nov. 10; Sp. p. 1999; Gaz. vol. 137; p. 359.
- Anthony, J., Attleboro, Mass. Hand-bag or purse. No. 876,128; Jan. 7; Sp. p. 869; Dr. p. 186; Gaz. vol. 132; p. 147.
- Anthony, J. S., New York, N. Y., assignor to General Electric Company. Automatic speed-changing gear. No. 907,711; Dec. 29; Sp. p. 5124; Gaz. vol. 137; p. 1947.
- Anthony, L. G., Lamoni, Iowa. Dust-laying broom. No. 894,359; July 28; Sp. p. 4147; Dr. p. 857; Gaz. vol. 135; p. 731.
- Anthony, M. O., New York, N. Y. Cooking and heat-retaining apparatus. No. 881,648; Mar. 10; Sp. p. 2368; Dr. p. 499; Gaz. vol. 133; p. 415.
- Anti Oak Leather Company. (See Elledge, R. J., assignor.)
- Antisdale, E. S., Chicago, Ill. Apparatus for applying medicinal washes to the nasal cavity. No. 895,141; Aug. 4; Sp. p. 724; Dr. p. 151; Gaz. vol. 135; p. 1015.
- Antiseptic Cone Co. (See McMurtry, G. C., assignor.)
- Antoine, V., Lambermont, Belgium. Apparatus for separating foreign substances from water. No. 883,608; Mar. 31; Sp. p. 6236; Dr. p. 1330; Gaz. vol. 133; p. 1142.
- Apfel, P. F., Seattle, Wash., and R. L. Earnest, Portland, Oreg. Fireproof paint. No. 882,774; Mar. 24; Sp. p. 4530; Gaz. vol. 133; p. 841.
- Apfel, P. F., Seattle, Wash., and R. L. Earnest, Portland, Oreg. Protecting piles against worms, &c. No. 883,507; Mar. 31; Sp. p. 6047; Gaz. vol. 133; p. 1114.
- Apfel, R. L. (See Merriam and Apfel.)

Alphabetical list of patentees—Continued.

- Appgar, G. (See Hendershot and Appgar.)
- Appgar, G., White House Station, N. J. Hydraulic jack. No. 884,884; Apr. 14; Sp. p. 2488; Dr. p. 525; Gaz. vol. 133; p. 1617.
- Aplin, B. F., Texola, assignor of one-half to H. L. Cathey, Erick, Okla. Combined harrow and plow. No. 884,348; Apr. 7; Sp. p. 1368; Dr. p. 292; Gaz. vol. 133; p. 1411.
- Apold, F., Philadelphia, Pa. Automatic electric alarm for beds to be occupied by patients, such as hospital-beds. No. 884,121; Apr. 7; Sp. p. 947; Dr. p. 198; Gaz. vol. 133; p. 1339.
- Appel, G. O., Bushton, Kans. Automatic feeding mechanism for threshing-machines. No. 881,839; Mar. 10; Sp. p. 2673; Dr. p. 572; Gaz. vol. 133; p. 475.
- Appelberry, D. L., Chinook, Mont. Lock-nut. No. 894,716; July 28; Sp. p. 4852; Dr. p. 1008; Gaz. vol. 135; p. 847.
- Appelman, E. W., assignor to W. Larrabee, Jr., Clermont, Iowa. Railway train-order system. No. 892,493; July 7; Sp. p. 202; Dr. pp. 42-3; Gaz. vol. 135; p. 38.
- Apperson, E., Kokomo, Ind. Explosion-engine. No. 905,625; Dec. 1; Sp. p. 1027; Gaz. vol. 137; p. 1148.
- Apple, B. K., Sterling, Ill. Canopy. No. 880,183; Feb. 25; Sp. p. 4731; Dr. p. 1001; Gaz. vol. 132; p. 1704.
- Apple, C., and W. Buttler, assignors to Marietta Glass Company, Indianapolis, Ind. Manufacture of wire-glass. No. 902,849; Nov. 3; Sp. p. 643; Gaz. vol. 137; p. 107.
- Apple, V. G., Dayton, Ohio. Turbine gas-engine. No. 892,206; June 30; Sp. p. 6129; Dr. pp. 1318-19; Gaz. vol. 134; p. 2165.
- Apple, V. G., Dayton, Ohio, assignor to Dayton Electrical Manufacturing Co. Dynamo-electric machine. No. 889,841; June 2; Sp. p. 1263; Dr. p. 291; Gaz. vol. 134; p. 1265.
- Appleby, E., Chicago, Ill. Electric furnace. No. 882,733; Mar. 24; Sp. p. 4454; Dr. pp. 947-8; Gaz. vol. 133; p. 829.
- Applegarth, E. (See Quain, J. R., assignor.)
- Applegate, J. S., Philadelphia, Pa. Fastener for envelops and the like. No. 898,819; Sept. 15; Sp. p. 3154; Dr. p. 674; Gaz. vol. 136; p. 572.
- Appleman, M. M., Rohrsburg, Pa. Churn. No. 906,090; Dec. 8; Sp. p. 1921; Gaz. vol. 137; p. 1328.
- Appler, A. B., *et al.* (See Willis, C. A., assignor.)
- Appleton, A. W., Chicago, Ill. Curtain-bracket. No. 903,159; Nov. 10; Sp. p. 1244; Gaz. vol. 137; p. 236.
- Appleton, E. G., Burlington, Iowa. Roof-bracket. No. 893,123; July 14; Sp. p. 1490; Dr. p. 315; Gaz. vol. 135; p. 274.
- Appleton, E. G., Burlington, Iowa. Attachment for ice-cream cans. No. 902,363; Oct. 27; Sp. p. 4807; Dr. p. 970; Gaz. vol. 136; p. 1915.
- Appleton, J., Pine Grove, Cal. Robe-holder. No. 902,795; Nov. 3; Sp. p. 506; Gaz. vol. 137; p. 88.
- Appleton Machine Company. (See Saecker, H. G., assignor.)
- Apstein, D., Bridgeport, Conn. Puncture-closure for pneumatic tires. No. 906,601; Dec. 15; Sp. p. 2869; Gaz. vol. 137; p. 1520.
- Apt, R., Berlin, Germany, assignor to General Electric Company. Protective device for high-potential systems. No. 890,592; June 16; Sp. p. 2821; Dr. p. 621; Gaz. vol. 134; p. 1570.
- Aptekman, L., London, England. Apparatus for making cigarettes. No. 885,421; Apr. 21; Sp. p. 3611; Dr. p. 757; Gaz. vol. 133; p. 1823.
- Aptekman, L., Westcliff-on-Sea, England. Tool or apparatus for use in the manufacture of hand-made cigarettes. No. 897,699; Sept. 1; Sp. p. 930; Dr. p. 197; Gaz. vol. 136; p. 149.
- Arabol Manufacturing Company. (See Gooch, A. E., assignor.)
- Aranguren y Bustanza, V., New York, N. Y. Paint-machine. No. 888,693; May 26; Sp. p. 4763; Dr. p. 1014; Gaz. vol. 134; p. 864.
- Arbat, J., New York, N. Y. Target. No. 884,972; Apr. 14; Sp. p. 2662; Dr. p. 566; Gaz. vol. 133; p. 1643.
- Arbenz, A., Lausanne, Switzerland. Safety attachment for razors. No. 903,160; Nov. 10; Sp. p. 1245; Gaz. vol. 137; p. 236.
- Arber, J. H. (See Carey, R. F., assignor.)
- Arbeter Felling Machine Company. (See Arbeter, W., assignor.)
- Arbeter, W., Chelsea, assignor to Arbeter Felling Machine Company, Boston, Mass. Seam for sewed articles. No. 894,567; July 28; Sp. p. 4574; Dr. p. 947; Gaz. vol. 135; p. 799.
- Arbogast, F. L., assignor of one-half to J. E. Roth, Pittsburg, Pa. Manufacturing glassware. No. 905,044; Nov. 24; Sp. p. 5165; Gaz. vol. 137; p. 921.
- Arbogast, J. I., assignor of one-half to H. L. Collins, Pittsburg, Pa. Individual glass pot or tank. No. 905,489; Dec. 1; Sp. p. 764; Gaz. vol. 137; p. 1106.
- Arbuckle, A. J., Johannesburg, Transvaal. Continuous filter-press. No. 905,129; Nov. 24; Sp. p. 3; Gaz. vol. 137; p. 985.
- Arburn, D. F. (See King and Arburn.)
- Arcade Manufacturing Company. (See Morgan, C., assignor.)
- Archdeacon, J., Carlisle, Ky. Storm-hood. No. 877,752; Jan. 28; Sp. p. 4219; Dr. p. 915; Gaz. vol. 132; p. 775.
- Archer, F. W., and T. H. Bates, Chicago, Ill. Combination tooth-brush and powder-holder. No. 902,796; Nov. 3; Sp. p. 507; Gaz. vol. 137; p. 88.
- Archer, J. B., Kensington, Md. Baffle-plate for water-tube boilers. No. 906,988; Dec. 15; Sp. p. 3605; Gaz. vol. 137; p. 1641.
- Archer, T., New York, N. Y. Ornamentation of mirrors and other articles of glass. No. 904,594; Nov. 24; Sp. p. 4229; Gaz. vol. 137; p. 770.
- Archibald, W. M., Jacksonville, Fla. Chair-roller. No. 879,351; Feb. 18; Sp. p. 2970; Dr. p. 620; Gaz. vol. 132; p. 1398.
- Ardengo, L., New York, N. Y., assignor to H. A. Thomsen, Madison, N. J. Support for flexible fire-escapes. No. 899,371; Sept. 22; Sp. p. 4200; Dr. p. 899; Gaz. vol. 136; p. 779.
- Arens, F., Cincinnati, Ohio. Private-branch-exchange telephone system. No. 906,602; Dec. 15; Sp. p. 2870; Gaz. vol. 137; p. 1520.
- Arents, C. A., Alameda, Cal. Fly-catcher. No. 904,668; Nov. 24; Sp. p. 4381; Gaz. vol. 137; p. 796.
- Arents, C. A., Alameda, Cal. Fly-catcher. (Reissue.) No. 12,884; Nov. 24; Sp. p. 5345; Gaz. vol. 137; p. 952.
- Arents, G., Jr. *et al.* (See Prescott, S. I., assignor.)
- Aretz, A., Tarentum, Pa. Automatic signal for railway-crossings. No. 879,718; Feb. 18; Sp. p. 3762; Dr. p. 789; Gaz. vol. 132; p. 1518.
- Aretz, A., Tarentum, Pa. Rail-fastener. No. 892,207; June 30; Sp. p. 6132; Dr. p. 1319; Gaz. vol. 134; p. 2165.
- Argerbright, D., Troy, Ohio. Storm-front for vehicles. No. 876,288; Jan. 7; Sp. p. 1182; Dr. p. 257; Gaz. vol. 132; p. 199.
- Argo, H. E. (See Stott, D. M., assignor.)
- Arithmograph Company. (See Heuser, F., assignor.)
- Arkenberg, J. F., Fostoria, Ohio. Non-refillable bottle. No. 883,609; Mar. 31; Sp. p. 6238; Dr. p. 1331; Gaz. vol. 133; p. 1142.
- Arlington Company. (See Gudger, F. A., assignor.)
- Armac Motor Company. (See Keller, E. W., assignor.)
- Armac Motor Company. (See McCollum, A. J., assignor.)
- Armbruster, E. A. (See Farrell, R. J., assignor.)
- Armitage, A., Fairport, and W. P. Thistlethwaite, Macedon, assignors to Ontario Drill Company, Despatch, N. Y. Disk drill. No. 879,831; Feb. 18; Sp. p. 3987; Dr. p. 834; Gaz. vol. 132; p. 1556.
- Armour, B. D. (See Lacross, J. W., assignor.)
- Armour & Company. (See Smith, C. L., assignor.)
- Arms, L., Wimbledon, N. D. Combined scraper and conveyer. No. 882,775; Mar. 24; Sp. p. 4531; Dr. p. 967; Gaz. vol. 133; p. 841.
- Arms, R. M. (See Hoffman, A. J., assignor.)
- Armstrong, A. (See Clark, H. L., assignor.)
- Armstrong, A. E., *et al.* (See Dodge, C. R., assignor.)
- Armstrong, A. H., Schenectady, N. Y., assignor to General Electric Company. Sliding current-collector. No. 888,382; May 19; Sp. p. 4092; Dr. p. 864; Gaz. vol. 134; p. 728.
- Armstrong, A. H., Schenectady, N. Y., assignor to General Electric Company. System of distribution. No. 890,593; June 16; Sp. p. 2822; Dr. p. 622; Gaz. vol. 134; p. 1570.
- Armstrong, A. H., Schenectady, N. Y., assignor to General Electric Company. Protected high-potential rail. No. 907,712; Dec. 29; Sp. p. 5126; Gaz. vol. 137; p. 1948.
- Armstrong-Blum Manufacturing Company. (See Blum, G. J., assignor.)
- Armstrong, C. C., Marysville, Ohio. Window or like screen. No. 881,282; Mar. 10; Sp. p. 1586; Dr. p. 339; Gaz. vol. 133; p. 296.
- Armstrong, C. C., Marysville, Ohio. Frame for holding wire-cloth or other fabric. No. 900,691; Oct. 13; Sp. p. 1336; Dr. p. 272; Gaz. vol. 136; p. 1305.
- Armstrong, C. D. (See Duffy and Irwin, assignors.)
- Armstrong, C. G., Orange, N. J. Apparatus for handling ashes. No. 904,916; Nov. 24; Sp. p. 4911; Gaz. vol. 137; p. 878.
- Armstrong, C. G., Chicago, Ill., assignor to Automatic Heating Company, Jersey City, N. J. Heating device. No. 885,683; Apr. 21; Sp. p. 4132; Dr. p. 865; Gaz. vol. 133; p. 1905.
- Armstrong, D. C., and W. P. Fitzgerald, Princess Anne, Md. Combined spike-extractor and rail-lifter. No. 887,374; May 12; Sp. p. 2138; Dr. p. 448; Gaz. vol. 134; p. 370.
- Armstrong, D. C., and W. P. Fitzgerald, Princess Anne, Md. Rail-joint. No. 899,647; Sept. 29; Sp. p. 4765; Dr. p. 1019; Gaz. vol. 136; p. 905.
- Armstrong, E. E., Niagara Falls, N. Y. Treating complex cobalt ores and refining cobalt from nickel, arsenical, and silver-bearing ores. No. 881,527; Mar. 10; Sp. p. 2059; Dr. p. 450; Gaz. vol. 133; p. 374.
- Armstrong, E. J., Erie, Pa. Fluid-actuated engine. No. 903,264; Nov. 10; Sp. p. 1466; Gaz. vol. 137; p. 270.
- Armstrong, E. P., Portland, Oreg. Saw-sawage. No. 879,352; Feb. 18; Sp. p. 2971; Dr. p. 621; Gaz. vol. 132; p. 1399.

Alphabetical list of patentees—Continued.

- Armstrong, E. P., Portland, Oreg. Device for shaping swaged saw-teeth. No. 884,061; Apr. 7; Sp. p. 790; Dr. p. 166; Gaz. vol. 133; p. 1319.
- Armstrong, F., Dunedin, New Zealand. Treating teeth for filling. No. 902,462; Oct. 27; Sp. p. 5016; Dr. p. 1014; Gaz. vol. 136; p. 1946.
- Armstrong, F., Dunedin, New Zealand. Dental apparatus. No. 902,463; Oct. 27; Sp. p. 5018; Dr. p. 1015; Gaz. vol. 136; p. 1947.
- Armstrong, H. J., Chicago, Ill. Portable house. No. 892,571; July 7; Sp. p. 338; Dr. p. 75; Gaz. vol. 135; p. 63.
- Armstrong, H. Y., Elgin, Ill. Gum-wrapping machine. No. 890,953; June 16; Sp. p. 3590; Dr. pp. 782-4; Gaz. vol. 134; p. 1689.
- Armstrong, J., Bridgeport, Conn. Bias binding and trimming. No. 882,285; Mar. 17; Sp. p. 3601; Dr. p. 764; Gaz. vol. 133; p. 649.
- Armstrong, J., Toronto, Ontario, Canada. Coffee-pot. No. 883,927; Apr. 7; Sp. p. 517; Dr. p. 102; Gaz. vol. 133; p. 1275.
- Armstrong, J., London, England. Apparatus for the manufacture of coke and gas. No. 888,136; May 19; Sp. p. 3630; Dr. pp. 760-1; Gaz. vol. 134; p. 649.
- Armstrong, J., Kansas City, Mo. Lock for vault-covers and other closures. No. 897,046; Aug. 25; Sp. p. 4591; Dr. p. 979; Gaz. vol. 135; p. 1707.
- Armstrong, J., assignor of one-half to W. G. Newlands, Denver, Colo. Displaying and measuring device for oil-cloth. No. 875,680; Jan. 7; Sp. p. 7; Dr. p. 2; Gaz. vol. 132; p. 3.
- Armstrong, J. B. (See McNeil, C. W., assignor.)
- Armstrong, J. C., Newkirk, Okla. Stone-dressing machine. No. 898,820; Sept. 15; Sp. p. 3155; Dr. p. 675; Gaz. vol. 136; p. 573.
- Armstrong, J. J., Sr., Weimar, Tex. Combined post-hole digger and wire-stretcher. No. 896,345; Aug. 18; Sp. p. 3112; Dr. p. 669; Gaz. vol. 135; p. 1452.
- Armstrong, J. L., Brooklyn, N. Y. Sprinkling-can. No. 905,626; Dec. 1; Sp. p. 1030; Gaz. vol. 137; p. 1149.
- Armstrong, J. R., Pittsburg, Pa. Gas-meter. No. 889,652; June 2; Sp. p. 896; Dr. pp. 206-7; Gaz. vol. 134; p. 1205.
- Armstrong, J. W., *et al.* (See Dodge, C. R., assignor.)
- Armstrong, L. (See Richards, C. H., assignor.)
- Armstrong, S., Shelton, Conn. Meat-tenderer. No. 894,872; Aug. 4; Sp. p. 135; Dr. p. 30; Gaz. vol. 135; p. 923.
- Armstrong, S. A. (See Quick and Armstrong.)
- Armstrong, T. B., Lakewood, Ohio. Mechanism for moving hatch-covers. No. 881,649; Mar. 10; Sp. p. 2311; Dr. p. 500; Gaz. vol. 133; p. 415.
- Armstrong, W. A. (See Ashley, F. M., assignor.)
- Armstrong, W. D., Abingdon, Ill. Animal-trap. No. 883,772; Apr. 7; Sp. p. 180; Dr. p. 33; Gaz. vol. 133; p. 1222.
- Arndt, W. F., and H. M. Hamilton, Watertown, Wis. Sewing-machine. No. 881,283; Mar. 10; Sp. p. 1587; Dr. pp. 339-4; Gaz. vol. 133; p. 296.
- Arnesen, A., Des Moines, Iowa. Animal-trap. No. 884,453; Apr. 14; Sp. p. 1587; Dr. p. 342; Gaz. vol. 133; p. 1476.
- Arneson, A. N., Wedgahl, Minn. Machine for cleaning and separating grain. No. 907,555; Dec. 22; Sp. p. 4738; Gaz. vol. 137; p. 1865.
- Arnett, W. J., Margerum, Ala. Whip-lock. No. 902,129; Oct. 27; Sp. p. 4303; Dr. p. 872; Gaz. vol. 136; p. 1837.
- Arnhard, C. von, Munich, Germany. Making photographic copies of printed matter and the like. No. 897,954; Sept. 8; Sp. p. 1483; Dr. p. 315; Gaz. vol. 136; p. 204.
- Arning, C., Syracuse, N. Y. Towel-holder. No. 879,719; Feb. 18; Sp. p. 3763; Dr. p. 789; Gaz. vol. 132; p. 1518.
- Arno, R., and L. Negro, Turin, Italy. Trolley-car for electric motor-vehicles. No. 894,931; Aug. 4; Sp. p. 317; Dr. p. 64; Gaz. vol. 135; p. 945.
- Arnold, A., Charlotte, N. C. Card-clothing-attaching means. No. 895,610; Aug. 11; Sp. p. 1667; Dr. pp. 351-2; Gaz. vol. 135; p. 1194.
- Arnold, A. H., and A. F. Furbush, Poughkeepsie, N. Y. Vibratory massage device. No. 896,882; Aug. 25; Sp. p. 4215; Dr. p. 902; Gaz. vol. 135; p. 1651.
- Arnold, C. E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Lixiviating apparatus. No. 888,685; May 26; Sp. p. 4746; Dr. p. 1009; Gaz. vol. 134; p. 862.
- Arnold, C. T., Wilkes-Barre, Pa. Car-axle journal-box. No. 878,328; Feb. 4; Sp. p. 886; Dr. p. 177; Gaz. vol. 132; p. 991.
- Arnold, E. C. (See Harrison and Arnold.)
- Arnold, F. H., Reading, Pa. Safety-razor. No. 885,422; Apr. 21; Sp. p. 3612; Dr. p. 757; Gaz. vol. 133; p. 1824.
- Arnold, G. A., Brooklyn, N. Y., assignor of one-half to J. C. W. Beall, Washington, D. C. Cigar-cutter. No. 903,431; Nov. 10; Sp. p. 1780; Gaz. vol. 137; p. 324.
- Arnold, G. J., assignor to himself and C. L. Bastian, Chicago, Ill. Bottle-soaking machine. No. 899,017; Sept. 22; Sp. p. 3518; Dr. p. 753; Gaz. vol. 136; p. 665.
- Arnold, H. A., Lake Geneva, Wis. Compost-spreader. No. 885,217; Apr. 21; Sp. p. 3202; Dr. p. 669; Gaz. vol. 133; p. 1757.
- Arnold, H. B., assignor to National Spring Bed Company, New Britain, Conn. Extension-bedstead. No. 893,221; July 14; Sp. p. 1688; Dr. p. 356; Gaz. vol. 135; p. 305.
- Arnold, H. B., assignor to National Spring Bed Company, New Britain, Conn. Drop-side couch. No. 896,506; Aug. 18; Sp. p. 3450; Dr. pp. 741-2; Gaz. vol. 135; p. 1507.
- Arnold, H. B., assignor to National Spring Bed Company, New Britain, Conn. Bedstead. No. 907,556; Dec. 22; Sp. p. 4740; Gaz. vol. 137; p. 1866.
- Arnold, H. J., Lebanon, Pa. Clamp. No. 889,842; June 2; Sp. p. 1264; Dr. p. 291; Gaz. vol. 134; p. 1265.
- Arnold, H. R., Pomeroy, Ohio. Whip-socket lock. No. 908,062; Dec. 29; Sp. p. 5841; Gaz. vol. 137; p. 2062.
- Arnold, L., Lynn, Mass., assignor to General Electric Company. Constant-current transformer. No. 895,831; Aug. 11; Sp. p. 2124; Dr. p. 450; Gaz. vol. 135; p. 1265.
- Arnold, O., Jr., Magdeburg, Buckau, Germany. Pressure-gage. No. 881,764; Mar. 10; Sp. p. 2520; Dr. p. 543; Gaz. vol. 133; p. 449.
- Arnold, O., Worcester, Mass. Convertible drill mechanism. No. 892,115; June 30; Sp. p. 5937; Dr. p. 1279; Gaz. vol. 134; p. 2134.
- Arnold, O., Neustadt, near Coburg, Germany. Phonograph. No. 892,494; July 7; Sp. p. 208; Dr. p. 44; Gaz. vol. 135; p. 38.
- Arnold, R. B. (See Lindenberger and Arnold.)
- Arnold, T. H. (See Parks, S. E., assignor.)
- Arnold, W. B. (See Leighton, A. M., assignor.)
- Arnold, W. E., Madisonville, assignor to Victor Safe & Lock Company, Cincinnati, Ohio. Safe. No. 894,932; Aug. 4; Sp. p. 319; Dr. p. 64; Gaz. vol. 135; p. 945.
- Arnold, W. R., Chicago, Ill. Fire-escape. No. 876,893; Jan. 14; Sp. p. 2449; Dr. p. 533; Gaz. vol. 132; p. 431.
- Arnold, W. S., Lorain, Ohio. Trolley-wire hanger. No. 905,976; Dec. 8; Sp. p. 1694; Gaz. vol. 137; p. 1292.
- Arnold, M. D., Boston, Mass. Clasp. No. 880,116; Feb. 25; Sp. p. 4589; Dr. p. 967; Gaz. vol. 132; p. 1681.
- Arnsburger, F. H., Stockton, Cal. Rotary gas-engine. No. 890,208; June 9; Sp. p. 2030; Dr. p. 447; Gaz. vol. 134; p. 1414.
- Arons, A. E., International Falls, Minn. Rotary motor. No. 889,426; June 2; Sp. p. 469; Dr. pp. 111-12; Gaz. vol. 134; p. 1134.
- Arras, J. D., Rawson, Ohio. Breaking-plow. No. 878,033; Feb. 4; Sp. p. 290; Dr. p. 62; Gaz. vol. 132; p. 895.
- Arras, P. D., Rawson, Ohio. Plow. No. 897,865; Sept. 8; Sp. p. 1277; Dr. p. 273; Gaz. vol. 136; p. 233.
- Arrouquier, F. E., Westbrook, Me., assignor, by mesne assignments, to Goodall Matting Company. Salvage-forming mechanism for short-weft looms. No. 897,263; Sept. 1; Sp. p. 1; Dr. p. 1; Gaz. vol. 136; p. 3.
- Arrouquier, F. E., Westbrook, assignor to Goodall Matting Company, Kennebunk, Me. Salvage-forming mechanism for short-weft looms. No. 901,941; Oct. 27; Sp. p. 3914; Dr. pp. 798-9; Gaz. vol. 136; p. 1777.
- Arrouquier, F. E., Westbrook, Me., assignor, by mesne assignments, to Goodall Matting Company. Loom for weaving separate wefts. No. 907,946; Dec. 29; Sp. p. 5599; Gaz. vol. 137; p. 2024.
- Arrow Electric Company. (See Peterson, J. G., assignor.)
- Arrow Electric Company. (See York, J. A., assignor.)
- Arrowsmith, J. W., Morristown, N. J. Shoe-sole support. No. 895,142; Aug. 4; Sp. p. 726; Dr. p. 152; Gaz. vol. 135; p. 1015.
- Arsem, W. C., Schenectady, N. Y., assignor to General Electric Company. Manufacture of metal-filament lamps. No. 903,826; Nov. 17; Sp. p. 2602; Gaz. vol. 137; p. 483.
- Art Metal Construction Company. (See Ekedahl and Sampson, assignors.)
- Art Metal Construction Company. (See Ripson and Sampson, assignors.)
- Artel Company. (See Travis, L. E., assignor.)
- Arter, A., *et al.* (See Baker, J. D., assignor.)
- Arthur Colton Company. (See Scott, B. W., assignor.)
- Arthur, D., New York, N. Y. Steam-trap. No. 879,997; Feb. 25; Sp. p. 4357; Dr. p. 913; Gaz. vol. 132; p. 1643.
- Arthur Koppel Aktiengesellschaft. (See Ullmann, E., assignor.)
- Arthur Koppel Company. (See Hansen, K. H., assignor.)
- Arthur, S. D., Ethelsville, Ala. Log-turner. No. 886,918; May 5; Sp. p. 1165; Dr. p. 245; Gaz. vol. 134; p. 191.
- Asbell, S. J., Paterson, N. J. Beer-dispensing apparatus. No. 900,076; Oct. 6; Sp. p. 5; Dr. pp. 1-2; Gaz. vol. 136; p. 1075.
- Asbury, D. F., Washington, D. C. Manicuring implement. No. 875,681; Jan. 7; Sp. p. 9; Dr. p. 2; Gaz. vol. 132; p. 4.
- Asbury, H. E., assignor to Enterprise Manufacturing Company, Philadelphia, Pa. Sad-iron. No. 895,326; Aug. 4; Sp. p. 1111; Dr. p. 223; Gaz. vol. 135; p. 1078.
- Asbury, H. E., assignor to Enterprise Manufacturing Company, Philadelphia, Pa. Sad-iron. No. 895,327; Aug. 4; Sp. p. 1112; Dr. p. 234; Gaz. vol. 135; p. 1079.

Alphabetical list of patentees—Continued.

- Asbury, W., New York, N. Y., assignor to American Safety Appliance Company. Container. No. 908,193; Dec. 29; Sp. p. 6129; Gaz. vol. 137; p. 2108.
- Asch, A. S., New York, N. Y. Ladder. No. 888,383; May 19; Sp. p. 4093; Dr. p. 864; Gaz. vol. 134; p. 729.
- Asch, T. J., New York, N. Y. Sweat-band. No. 896,507; Aug. 18; Sp. p. 3452; Dr. p. 742; Gaz. vol. 135; p. 1507.
- Aschenbrenner, A., Berlin, Germany, assignor to American Thermos Bottle Company, Brooklyn, N. Y. Double-walled vessel. No. 888,054; May 19; Sp. p. 3476; Dr. p. 728; Gaz. vol. 134; p. 623.
- Ash, H. B., St. Louis, Mo. Templet. No. 893,562; July 14; Sp. p. 2392; Dr. p. 502; Gaz. vol. 135; p. 416.
- Ash, H. B., assignor of one-fifth to H. G. Conrad, St. Louis, Mo. Templet. No. 877,879; Jan. 28; Sp. p. 4447; Dr. p. 970; Gaz. vol. 132; p. 815.
- Ash, H. W., Somerville, Mass., assignor to Warren Brothers Company, Charleston, W. Va. Heater and drier. No. 887,906; May 19; Ash, W. H., Bay Shore, N. Y. Gas-engine. No. 877,753; Jan. 28; Sp. p. 4221; Dr. pp. 915-16; Gaz. vol. 132; p. 775.
- Ash, W. L., Lansing, Mich. Spark-plug. No. 895,225; Aug. 4; Sp. p. 900; Dr. p. 189; Gaz. vol. 135; p. 1045.
- Sp. p. 3199; Dr. pp. 672-3; Gaz. vol. 134; p. 576.
- Ashbaugh, H., Indianapolis, Ind. Insulating-coupling. No. 897,700; Sept. 1; Sp. p. 932; Dr. p. 197; Gaz. vol. 136; p. 149.
- Ashby, F. M., Princeton, Ind. Safety appliance for elevators. No. 878,489; Feb. 11; Sp. p. 1227; Dr. p. 254; Gaz. vol. 132; p. 1079.
- Ashby, H. M., Chicago, Ill. Filter-plate. No. 886,464; May 5; Sp. p. 244; Dr. p. 51; Gaz. vol. 134; p. 45.
- Ashcroft Manufacturing Company. (See Blanchard, F. C., assignor.)
- Ashelm, P., Berlin, Germany. Device for assembling printed-paper strips in true register. No. 882,366; Mar. 17; Sp. p. 3750; Dr. p. 798; Gaz. vol. 133; p. 676.
- Ashenfelder, J. B., Olex, Oreg. Equalizer-hook for vehicle draft apparatus. No. 902,042; Oct. 27; Sp. p. 4140; Dr. p. 839; Gaz. vol. 136; p. 1810.
- Asher, P., New Orleans, La. Distilling apparatus. No. 889,087; May 26; Sp. p. 5553; Dr. p. 1180; Gaz. vol. 134; p. 992.
- Asher, W. J., Willimantic, Conn. Roll for paper-machines and other purposes. No. 896,346; Aug. 18; Sp. p. 3114; Dr. p. 669; Gaz. vol. 135; p. 1453.
- Ashley, C. E., Ashtabula, Ohio. Desk attachment. No. 894,178; July 28; Sp. p. 3766; Dr. p. 780; Gaz. vol. 135; p. 670.
- Ashley, D., Paterson, N. J. Apparatus for lustering skeins. No. 885,968; Apr. 28; Sp. p. 4749; Dr. pp. 997-8; Gaz. vol. 133; p. 2031.
- Ashley, F. M., *et al.* (See Cadwell, E. B., assignor.)
- Ashley, F. M., New York, N. Y. Drill-chuck. No. 896,051; Aug. 11; Sp. p. 2542; Dr. p. 550; Gaz. vol. 135; p. 1336.
- Ashley, F. M., New York, N. Y. Drill-chuck. No. 896,052; Aug. 11; Sp. p. 2544; Dr. p. 552; Gaz. vol. 135; p. 1337.
- Ashley, F. M., New York, N. Y. Transmission of power. No. 900,342; Oct. 6; Sp. p. 566; Dr. p. 118; Gaz. vol. 136; p. 1161.
- Ashley, F. M., New York, N. Y., assignor to W. A. Armstrong, Philadelphia, Pa. Gas-engine. No. 889,887; June 9; Sp. p. 1374; Dr. pp. 312-13; Gaz. vol. 134; p. 1306.
- Ashley, R. W., New York, assignor of one-half to S. C. Mastick, Pleasantville, N. Y. Mail-chute. No. 891,520; June 23; Sp. p. 4739; Dr. p. 1026; Gaz. vol. 134; p. 1907.
- Ashley, T., Louth, England. Rotary engine. No. 886,919; May 5; Sp. p. 1166; Dr. p. 245; Gaz. vol. 134; p. 192.
- Ashlock, H. H., San Diego, Cal. Hydrocarbon-burner. No. 889,291; June 2; Sp. p. 197; Dr. p. 50; Gaz. vol. 134; p. 1089.
- Ashlock, H. H., Kansas City, Mo. Window-guard. No. 895,832; Aug. 11; Sp. p. 2125; Dr. p. 450; Gaz. vol. 135; p. 1266.
- Ashman, E. (See Ritter, I. B., assignor.)
- Ashmore, F. F., Ottawa, Kans. Hydraulic jack. No. 883,773; Apr. 7; Sp. p. 181; Dr. p. 33; Gaz. vol. 133; p. 1223.
- Ashton, O., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon the toe portions of boots or shoes. No. 891,130; June 16; Sp. p. 3909; Dr. pp. 856-7; Gaz. vol. 134; p. 1746.
- Ashton, O., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon the toe portions of boots or shoes. No. 891,131; June 16; Sp. p. 3913; Dr. p. 857; Gaz. vol. 134; p. 1746.
- Ashton, O., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Assembling-machine. No. 893,696; July 21; Sp. p. 2669; Dr. p. 560; Gaz. vol. 135; p. 490.
- Ashton, O., Lawrence, assignor to United Shoe Machinery Company, Boston, Mass. Machine for making and driving staples. No. 899,093; Sept. 22; Sp. p. 3643; Dr. pp. 781-3; Gaz. vol. 136; p. 689.
- Askeli, H., and F. Pietila, Everett, Wash. Floor-cleaning machine. No. 891,970; June 30; Sp. p. 5686; Dr. pp. 1224-5; Gaz. vol. 134; p. 2089.
- Askeli, H., W. Jackson, and F. Pietila, Everett, Wash. Mail-bag catcher and deliverer. No. 887,176; May 12; Sp. p. 1648; Dr. p. 350; Gaz. vol. 134; p. 303.
- Askenasy, P. (See Teichner and Askenasy.)
- Askins, J., Lima, Ohio. Insole for boots and shoes. No. 881,840; Mar. 10; Sp. p. 2676; Dr. p. 573; Gaz. vol. 133; p. 475.
- Askins, W. H., Garrison, Tex. Insertible saw-tooth. No. 883,076; Mar. 24; Sp. p. 5126; Dr. p. 1094; Gaz. vol. 133; p. 940.
- Aslakson, B. M., Salem, Ohio. Two-cycle explosion-motor. No. 885,313; Apr. 21; Sp. p. 3398; Dr. p. 710; Gaz. vol. 133; p. 1789.
- Aslakson, B. M., Salem, Ohio. Lay-shaft drive. No. 895,294; July 14; Sp. p. 1827; Dr. p. 384; Gaz. vol. 135; p. 329.
- Asman, J. (See Baillargeon, R., assignor.)
- Asper, A., South Seattle, Wash. Arm-rest for penmanship pupils. No. 879,353; Feb. 18; Sp. p. 2974; Dr. p. 621; Gaz. vol. 132; p. 1399.
- Aspinwall, L. A., Jackson, Mich. Beehive. No. 891,583; June 23; Sp. p. 4864; Dr. p. 1048; Gaz. vol. 134; p. 1926.
- Aspinwall, L. A., Jackson, Mich. Beehive. No. 891,584; June 23; Sp. p. 4867; Dr. p. 1049; Gaz. vol. 134; p. 1927.
- Aspinwall, L. A., Jackson, Mich. Beehive. No. 891,585; June 23; Sp. p. 4869; Dr. p. 1049; Gaz. vol. 134; p. 1927.
- Asplund, S. F., Minneapolis, Minn. Seed-corn separator. No. 907,947; Dec. 29; Sp. p. 5611; Gaz. vol. 137; p. 2024.
- Asquith, S. A., Waterloo, Iowa. Power-transmission device. No. 899,283; Sept. 22; Sp. p. 4048; Dr. pp. 865-6; Gaz. vol. 136; p. 751.
- Assel, J., assignor to Burns, Silver & Co., Bridgeport, Conn. Handle or drawer-pull. No. 895,295; July 14; Sp. p. 1829; Dr. p. 384; Gaz. vol. 135; p. 330.
- Ast, H., assignor to Vulkan Maschinenfabriks Actien Gesellschaft, Vienna, Austria-Hungary. Electromagnetic clutch. No. 880,266; Feb. 25; Sp. p. 4909; Dr. pp. 1038-9; Gaz. vol. 132; p. 1732.
- Ast, H., assignor to Firm of Vulkan Maschinenfabriks-Actien-Gesellschaft, Vienna, Austria-Hungary. Arrangement of the winding of electromagnetic clutches. No. 896,608; Aug. 18; Sp. p. 3630; Dr. p. 780; Gaz. vol. 135; p. 1538.
- Ast, H., assignor to Firm of Vulkan Maschinenfabriks-Actien-Gesellschaft, Vienna, Austria-Hungary. Clutch. No. 899,822; Sept. 29; Sp. p. 5134; Dr. p. 1098; Gaz. vol. 136; p. 963.
- Ast, H., assignor to Firm of Vulkan Maschinenfabriks-Actien Gesellschaft, Vienna, Austria-Hungary. Electromagnetic clutch. No. 903,945; Nov. 17; Sp. p. 2873; Gaz. vol. 137; p. 524.
- Aste, W. A., South Lebanon, Ohio. Farm-gate. No. 887,177; May 12; Sp. p. 1650; Dr. p. 350; Gaz. vol. 134; p. 303.
- Astfalk, W., Tegel, near Berlin, Germany. Hydraulic press. No. 882,045; Mar. 17; Sp. p. 3145; Dr. pp. 668-9; Gaz. vol. 133; p. 571.
- Astfalk, W., Tegel, near Berlin, Germany. Valve for hydraulic machines. No. 897,047; Aug. 25; Sp. p. 4594; Dr. p. 979; Gaz. vol. 135; p. 1707.
- Astfalk, W., Tegel, near Berlin, Germany. Drawback mechanism for presses. No. 897,048; Aug. 25; Sp. p. 4596; Dr. p. 980; Gaz. vol. 135; p. 1708.
- Aston, W. F., New York, N. Y. Buckle. No. 892,925; July 7; Sp. p. 1079; Dr. p. 226; Gaz. vol. 135; p. 179.
- Astrom, C. P. (See Treadwell and Astrom.)
- Astrom, C. P., Orange, N. J. Trench-brace. No. 891,897; June 30; Sp. p. 5525; Dr. p. 1193; Gaz. vol. 134; p. 2064.
- Astrom, C. P., Orange, N. J., assignor to M. H. Treadwell Company. Dumping-car. No. 889,866; June 2; Sp. p. 1314; Dr. p. 301; Gaz. vol. 134; p. 1274.
- Astrom, J., Milwaukee, Wis. Condensing apparatus. No. 886,465; May 5; Sp. p. 246; Dr. p. 51; Gaz. vol. 134; p. 46.
- Astrom, J., Milwaukee, Wis. Condensing-apparatus pump. No. 901,580; Oct. 20; Sp. p. 3176; Dr. p. 648; Gaz. vol. 136; p. 1630.
- Atsuck, J. H., New York, N. Y. Smoker's stand. No. 905,627; Dec. 1; Sp. p. 1031; Gaz. vol. 137; p. 1149.
- Atchison, J. L., *et al.* (See Plummer, W. W., assignor.)
- Atchison, J. R., and C. R. Weymouth, San Francisco, Cal. System of regulation for oil-burning plants. No. 886,466; May 5; Sp. p. 248; Dr. pp. 51-3; Gaz. vol. 134; p. 46.
- Ateliers de Constructions Mécaniques Ci-Devant Ducommun, Firm of. (See Nardin, G., assignor.)
- Athearn, W. E., New York, N. Y., assignor to American Telephone and Telegraph Company. Telegraphic repeating apparatus. No. 905,628; Dec. 1; Sp. p. 1032; Gaz. vol. 137; p. 1149.
- Atherton, F. L., Paterson, N. J. Spooling-machine. No. 876,761; Jan. 14; Sp. p. 2188; Dr. pp. 480-1; Gaz. vol. 132; p. 388.
- Atherton, S. E., Cleveland, Ohio. Automatic bucket. No. 895,226; Aug. 4; Sp. p. 901; Dr. p. 189; Gaz. vol. 135; p. 1045.
- Atkins, E. F. (See Atkins, F. K. and E. F.)
- Atkins, F. C. (See Taylor and McClellan, assignors.) (Reissue.)
- Atkins, F. K. and E. F., Denver, Colo.; said E. F. Atkins assignor to said F. K. Atkins. Machine for separating solids from liquids. No. 901,056; Oct. 13; Sp. p. 2077; Dr. pp. 423-4; Gaz. vol. 136; p. 1422.
- Atkins, J. B. (See McCain, W. O., assignor.)
- Atkins, G. H. (See Humphrey and Atkins.)
- Atkins, W. S., Thomasville, Ga. Sash-fastener. No. 903,265; Nov. 10; Sp. p. 1468; Gaz. vol. 137; p. 271.

Alphabetical list of patentees—Continued.

- Atkinson, A., Davenport, Iowa. Radiator-shield. No. 903,266; Nov. 10; Sp. p. 1470; Gaz. vol. 137; p. 271.
- Atkinson, C. C., Hawkinsville, Ga. Wire-stretcher. No. 886,920; May 5; Sp. p. 1168; Dr. p. 246; Gaz. vol. 134; p. 192.
- Atkinson, C. J., Milwaukee, Wis. Gas-producer. No. 887,300; May 12; Sp. p. 1965; Dr. p. 413; Gaz. vol. 134; p. 345.
- Atkinson, F. H. (See Higgins, Davis, and Atkinson.)
- Atkinson, H., Charleston, W. Va. Self-lubricating wheel. No. 901,866; Oct. 20; Sp. p. 3758; Dr. p. 764; Gaz. vol. 136; p. 1722.
- Atkinson, H. S., Weehawken, N. J., assignor to Hayward Company. Chain. No. 889,170; May 26; Sp. p. 5752; Dr. p. 1217; Gaz. vol. 134; p. 1019.
- Atkinson, H. S., Weehawken, N. J., assignor to Hayward Company. Bucket. No. 906,184; Dec. 8; Sp. p. 2101; Gaz. vol. 137; p. 1360.
- Atkinson, J. (See Crossley and Atkinson.)
- Atkinson, J., Mellor, England. Steam-turbine. No. 902,797; Nov. 3; Sp. p. 509; Gaz. vol. 137; p. 89.
- Atkinson, L. S., Los Angeles, Cal. Railway-switch lock. No. 890,013; June 9; Sp. p. 1632; Dr. p. 365; Gaz. vol. 134; p. 1349.
- Atkinson, R. E., Leicester, England. Heating system. No. 893,124; July 14; Sp. p. 1492; Dr. p. 315; Gaz. vol. 135; p. 274.
- Atkinson, W. R., New York, N. Y. Wall-bracket for electric lights. No. 881,284; Mar. 10; Sp. p. 1593; Dr. p. 341; Gaz. vol. 133; p. 297.
- Atkinson, W. R., New York, N. Y. Switch-base. No. 887,907; May 19; Sp. p. 3203; Dr. p. 673; Gaz. vol. 134; p. 576.
- Atkiss, A., and D. C. Carson, Philadelphia, Pa. Dental plugger. No. 888,455; May 26; Sp. p. 4261; Dr. p. 902; Gaz. vol. 134; p. 783.
- Atlanta Utility Works Inc. (See Gebhart, J. C., assignor.)
- Atlantic Tool & Machine Co. (See Hoell, E. O., assignor.)
- Atlas Anchor Company. (See Frost, C. E., assignor.)
- Atlas Engine Works. (See Morrison, B. J., assignor.)
- Atlas Portland Cement Company. (See Kühl, H., assignor.)
- Atlee, J. W., Riverton, N. J. Signal device. No. 892,572; July 7; Sp. p. 339; Dr. p. 75; Gaz. vol. 135; p. 63.
- Atterbury, J. C., and C. La Plant, Madison; said La Plant assignor of one-fourth to J. W. Baker, Monroe county, Mo. Planter. No. 884,790; Apr. 14; Sp. p. 2318; Dr. p. 487; Gaz. vol. 133; p. 1583.
- Atterbury, J. M., Nevada, Mo. Halter or head-stall for breach stock, &c. No. 890,834; June 16; Sp. p. 3338; Dr. p. 731; Gaz. vol. 134; p. 1651.
- Atwater, H., Chattanooga, Tenn. Sash-fastener. No. 901,771; Oct. 20; Sp. p. 3591; Dr. p. 726; Gaz. vol. 136; p. 1693.
- Atwell, L. H., Grove City, Pa. Combined case and post for lawn-tennis nets. No. 906,848; Dec. 15; Sp. p. 3342; Gaz. vol. 137; p. 1598.
- Atwell, W. A., assignor of one-half to W. L. Robbins, Concord, N. C. Mail-delivery apparatus. No. 905,272; Dec. 1; Sp. p. 291; Gaz. vol. 137; p. 1033.
- Atwood, C. B., assignor to National Sewing Machine Company, Belvidere, Ill. Bobbin-holder for sewing-machines. No. 891,028; June 16; Sp. p. 3742; Dr. pp. 816-17; Gaz. vol. 134; p. 1715.
- Atwood, E. W. (See Du Boise and Perry, assignors.)
- Atwood, G. F., East Orange, N. J., assignor to Western Electric Company, Chicago, Ill. Hand telephone set. No. 893,891; July 21; Sp. p. 3157; Dr. p. 648; Gaz. vol. 135; p. 555.
- Atwood, G. F., East Orange, N. J., assignor to Western Electric Company, Chicago, Ill. Electrical conducting-cord. No. 896,700; Aug. 25; Sp. p. 3817; Dr. p. 826; Gaz. vol. 135; p. 1589.
- Atwood, G. F., East Orange, N. J., assignor to Western Electric Company, Chicago, Ill. Signaling apparatus. No. 897,866; Sept. 8; Sp. p. 1279; Dr. pp. 273-4; Gaz. vol. 136; p. 233.
- Atwood, G. F., East Orange, N. J., assignor to Western Electric Company, Chicago, Ill. Telephone-transmitter. No. 902,045; Oct. 27; Sp. p. 4141; Dr. p. 839; Gaz. vol. 136; p. 1810.
- Atwood, J., and G. Escher, Washington, D. C. Steam-generating apparatus. No. 895,938; Aug. 11; Sp. p. 2313; Dr. p. 492; Gaz. vol. 135; p. 1299.
- Atwood Morrison Company. (See Bradley, E. E., assignor.)
- Atwood, W. H., Lincoln, Nebr. Digester. No. 881,888; Mar. 17; Sp. p. 2812; Dr. p. 600; Gaz. vol. 133; p. 521.
- Atwood, W. S., Westmount, and F. Ditchfield, Montreal, Quebec, Canada. Means for operating the doors of hopper-bottom cars. No. 897,049; Aug. 25; Sp. p. 4598; Dr. p. 980; Gaz. vol. 135; p. 1708.
- Auzanweiller, T., Huron, Kans. Wrench. No. 896,073; Aug. 18; Sp. p. 2595; Dr. p. 562; Gaz. vol. 135; p. 1367.
- Auerlin, G., U. S. Navy. Flexible metallic vehicle-wheel. No. 887,567; May 12; Sp. p. 2522; Dr. p. 531; Gaz. vol. 134; p. 424.
- Auble, J., and C. Gordon, New York, N. Y. Expansion attaching-plate for steam-radiator pipes. No. 896,074; Aug. 18; Sp. p. 2597; Dr. p. 562; Gaz. vol. 135; p. 1367.
- Auble, S. R. (See Van Duyke, M., assignor.)
- Aubrey, A. J., Meriden, Conn. Fore-stock fastener for firearms. No. 887,568; May 12; Sp. p. 2524; Dr. p. 532; Gaz. vol. 134; p. 435.
- Aubrey, A. J., Meriden, Conn. Automatic shell-ejector for firearms. No. 887,569; May 12; Sp. p. 2525; Dr. p. 532; Gaz. vol. 134; p. 435.
- Aubrey, A. J., Meriden, Conn. Gun-lock. No. 902,639; Nov. 3; Sp. p. 217; Gaz. vol. 137; p. 36.
- Aubuchon, G., Jefferson City, Mo. Hat-holder. No. 903,946; Nov. 17; Sp. p. 2875; Gaz. vol. 137; p. 525.
- Aubuchon, W. N., St. Louis, Mo. Display-receptacle. No. 883,850; Apr. 7; Sp. p. 362; Dr. pp. 70-1; Gaz. vol. 133; p. 1249.
- Auchu, H., Emporium, Pa. Machine for forming a cartridge-rope from explosive gelatin. No. 881,365; Mar. 10; Sp. p. 1741; Dr. pp. 375-6; Gaz. vol. 133; p. 322.
- Auchu, H., Emporium, Pa. Machine for forming a cartridge-rope from explosive gelatin. No. 881,366; Mar. 10; Sp. p. 1746; Dr. p. 376; Gaz. vol. 133; p. 323.
- Auchu, H., Emporium, Pa. Machine for forming a cartridge-rope from explosive gelatin. No. 881,367; Mar. 10; Sp. p. 1749; Dr. pp. 376-7; Gaz. vol. 133; p. 323.
- Auchu, H., Emporium, Pa. Machine for forming a cartridge-rope from explosive gelatin. No. 881,368; Mar. 10; Sp. p. 1754; Dr. pp. 378-80; Gaz. vol. 133; p. 323.
- Auchu, H., Emporium, Pa. Machine for mixing explosives. No. 902,464; Oct. 27; Sp. p. 5020; Dr. pp. 1015-16; Gaz. vol. 136; p. 1947.
- Auchu, H., Emporium, Pa. Machine for mixing explosives. No. 902,465; Oct. 27; Sp. p. 5022; Dr. pp. 1016-17; Gaz. vol. 136; p. 1947.
- Auchu, H., Emporium, Pa. Expressing or packing screw. No. 902,850; Nov. 3; Sp. p. 644; Gaz. vol. 137; p. 108.
- Aucoc, G., Paris, France. Metallic web or fabric. No. 898,166; Sept. 8; Sp. p. 1902; Dr. p. 406; Gaz. vol. 136; p. 331.
- Audet, F., St. Jean Des Chailions, Quebec, Canada. Boat. No. 881,650; Mar. 10; Sp. p. 2316; Dr. pp. 500-1; Gaz. vol. 133; p. 416.
- Audibert, L. A., Lodève, France. Starting device for mercury-vapor electric lamps. No. 881,765; Mar. 10; Sp. p. 2522; Dr. p. 543; Gaz. vol. 133; p. 450.
- Audiffren, M., Golbey, and H. A. Singrün; said Singrün assignor to Societe des Etablissements Singrün, Epinal, France. Rotary refrigerating-machine. No. 893,400; Sept. 8; Sp. p. 2327; Dr. p. 494; Gaz. vol. 136; p. 405.
- Audley, F. H., New York, N. Y., assignor to K. M. Audley, Stamford, Conn. Revolver-holster. No. 881,044; Mar. 3; Sp. p. 1101; Dr. p. 238; Gaz. vol. 133; p. 188.
- Audley, K. M. (See Audley, F. H., assignor.)
- Audouin, E. M., Poitiers, France. Movable barrage having rotary sluice-pontoons. No. 907,437; Dec. 22; Sp. p. 4525; Gaz. vol. 137; p. 1828.
- Auiero, E., Brooklyn, N. Y. Timepiece. No. 893,772; July 21; Sp. p. 2912; Dr. p. 597; Gaz. vol. 135; p. 517.
- Aug. Goertz & Co. (See Eigen, B. vom, assignor.)
- Augenbraun, P. F., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Lock. No. 902,044; Oct. 27; Sp. p. 4143; Dr. p. 839; Gaz. vol. 136; p. 1811.
- Augensen, O. S., Chicago, Ill. Pipe-clamp. No. 895,143; Aug. 4; Sp. p. 728; Dr. p. 152; Gaz. vol. 135; p. 1016.
- Augir, N. G., Brooklyn, N. Y. Street-signal for cars. No. 899,499; Sept. 29; Sp. p. 4443; Dr. p. 954; Gaz. vol. 136; p. 856.
- Augir, V. J., Brooklyn, N. Y. Novelty device. No. 879,998; Feb. 25; Sp. p. 4359; Dr. p. 914; Gaz. vol. 132; p. 1644.
- Augir, W. B., trustee, *et al.* (See Bowes, T. F., assignor.)
- August Goertz & Co. (See Eigen, B. vom, assignor.)
- Aukerman, N. B., Ingram, Pa. Non-curling adhesive for mounting photographs, &c. No. 906,499; Dec. 15; Sp. p. 2687; Gaz. vol. 137; p. 1489.
- Auld, J. H., De Haven, Pa. Overshoe-fastener. No. 900,465; Oct. 6; Sp. p. 848; Dr. p. 172; Gaz. vol. 136; p. 1203.
- Aulson, J. W., Lynn, Mass. Hide-working machine. No. 890,750; June 16; Sp. p. 3177; Dr. pp. 694-5; Gaz. vol. 134; p. 1624.
- Aultman & Taylor Machinery Company. (See Gans and Ackerman, assignors.)
- Aumann, F. P., Chicago, Ill., assignor to Curtain Supply Company, Newark, N. J. Striking-bag support. No. 892,388; July 7; Sp. p. 1; Dr. p. 1; Gaz. vol. 135; p. 3.
- Aumann, F. X., Jr., Manitowoc, Wis. Folding hat-rack and kneeling-stool for pews. No. 902,130; Oct. 27; Sp. p. 4305; Dr. p. 872; Gaz. vol. 136; p. 1838.
- Aumen, W. J., Allentown, Pa. Grain-harvester. No. 875,682; Jan. 7; Sp. p. 11; Dr. p. 2; Gaz. vol. 132; p. 4.
- Aumen, W. J., Allentown, Pa. Shutter-worker. No. 878,178; Feb. 4; Sp. p. 603; Dr. p. 124; Gaz. vol. 132; p. 943.
- Aumund, J. (See Karasek and Aumund.)
- Aungst, W. S., Alliance, Ohio. Telephone-support. No. 895,833; Aug. 11; Sp. p. 2126; Dr. p. 450; Gaz. vol. 135; p. 1266.
- Aungst, W. S., Alliance, Ohio. Supporting device for portable telephones. No. 895,834; Aug. 11; Sp. p. 2128; Dr. p. 451; Gaz. vol. 135; p. 1266.
- Aurand, W. L., Milford, Ill. Grain-car door. No. 882,286; Mar. 17; Sp. p. 3602; Dr. p. 764; Gaz. vol. 133; p. 649.

Alphabetical list of patentees—Continued.

- Aurich, C. F., Dresden, Germany. Daylight developing apparatus for photographic plates. No. 903,432; Nov. 10; Sp. p. 1781; Gaz. vol. 137; p. 324.
- Aurora Automatic Machinery Company. (See Levedahl, A., assignor.)
- Aurora Automatic Machinery Company. (See Ottaway, W., assignor.)
- Aurora Manufacturing Company. (See Smith, J. W., assignor.)
- Ausburn, J. H. and V., Elwood, Tex. Plow. No. 893,417; July 14; Sp. p. 2056; Dr. p. 430; Gaz. vol. 135; p. 369.
- Ausburn, V. (See Ausburn, J. H. and V.)
- Auslander, G., New York, N. Y., assignor to Progressive Leather Goods Company. Bag-handle and bracelet. No. 896,264; Aug. 18; Sp. p. 2939; Dr. p. 633; Gaz. vol. 135; p. 1427.
- Austin, A. D., Jackson Mich. Wagon-propeller. No. 892,495; July 7; Sp. p. 211; Dr. p. 44; Gaz. vol. 135; p. 39.
- Austin, A. T. (See Anderson, C. O., assignor.)
- Austin, A. T. (See Dillon, H. A., assignor.)
- Austin, A. T. (See Huntington, C. S. and A. S., assignors.)
- Austin, C. O., Kansas City, Kans. Automatic folding chair. No. 901,581; Oct. 20; Sp. p. 3178; Dr. p. 648; Gaz. vol. 136; p. 1630.
- Austin, E., Suffield, Conn. Plant-stake. No. 896,701; Aug. 25; Sp. p. 3819; Dr. p. 826; Gaz. vol. 135; p. 1589.
- Austin, E. E., *et al.* (See Fowler, B. F., assignor.)
- Austin, F. C. (See Bathrick, C. E., assignor.)
- Austin, F. C. (See Stark, W. O., assignor.)
- Austin, F. F., Chicago, Ill. Tobacco-pipe. No. 890,751; June 16; Sp. p. 3181; Dr. p. 695; Gaz. vol. 134; p. 1624.
- Austin, J., St. Regis, Mont. Shovel and support therefor. No. 898,623; Sept. 15; Sp. p. 2785; Dr. p. 595; Gaz. vol. 136; p. 510.
- Austin, J. D., Tampa, Fla. Hoisting apparatus. No. 894,717; July 28; Sp. p. 4853; Dr. p. 1009; Gaz. vol. 135; p. 847.
- Austin, J. T., assignor to Austin Organ Company, Hartford, Conn. Centrifugal blower. No. 890,117; June 9; Sp. p. 1843; Dr. pp. 406-7; Gaz. vol. 134; p. 1384.
- Austin Manufacturing Company. (See Bunnell, M. G., assignor.)
- Austin Manufacturing Company. (See Bunnell, M. G., assignor.) (Reissue.)
- Austin Manufacturing Company. (See De Wind and Jones, assignors.)
- Austin Manufacturing Company. (See Morenus, W. H., assignor.)
- Austin, N. E., Danbury, Conn. Drainage and irrigation tile. No. 901,582; Oct. 20; Sp. p. 3180; Dr. p. 648; Gaz. vol. 136; p. 1631.
- Austin Organ Company. (See Austin, J. T., assignor.)
- Austin, W. M., Swissvale, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Engineer's valve for air-brakes. No. 882,608; Mar. 24; Sp. p. 4206; Dr. pp. 891-2; Gaz. vol. 133; p. 788.
- Autenrieth, W., Cincinnati, Ohio. Grapple. No. 901,057; Oct. 13; Sp. p. 2084; Dr. p. 424; Gaz. vol. 136; p. 1423.
- Auto Accessories Manufacturing Company. (See Hoskyns, W. J., assignor.)
- Auto-Conveyors. (See Bishop and Down, assignors.)
- Auto Igniter Company. (See Berthold, R. E., assignor.)
- Auto Machine Works Company. (See Williams and Grant, assignors.)
- Auto-Manual Piano Action Company. (See Wuest, P., Jr., assignor.)
- Auto-Mosquito Mask Company. (See Harrison and O'Brien, assignors.)
- Auto Paper Feeder Company. (See Kleidmann, J., assignor.)
- Auto Stopper Company. (See Hicks, J. A., assignor.)
- Autocoil Company. (See Varley, R., assignor.)
- Automatic Boiler Cleaner Company. (See Gray, I. C., assignor.)
- Automatic Contract Dating and Delivery Company. (See Bell, E. W. and H., assignors.)
- Automatic Device Company. (See Clay, H., assignor.)
- Automatic Electric Company. (See Erickson, C. J., assignor.)
- Automatic Fire Protection Company *et al.* (See Nolen, J. G., assignor.)
- Automatic Heating Company. (See Armstrong, C. G., assignor.)
- Automatic Heel Trimming and Burnishing Machine Company. (See Evans and Taylor, assignors.)
- Automatic Hotel Service Co. (See Parry, R. R., assignor.)
- Automatic Inventions Company. (See Stroock, S. M., assignor.)
- Automatic Pencil Sharpener Company. (See Spengler, C. C., assignor.)
- Automatic Photograph Printing Machine Company. (See Ware and Rundle, assignors.)
- Automatic Platen Press Company. (See Morrison, L. E., assignor.)
- Automatic Pulverizer Company. (See Lewis and Stecher, assignors.)
- Automatic Rapid Unloading Company. (See Schwartz, A., assignor.)
- Automatic Safety Pulley Block Manufacturing Company. (See Carter, F. W., assignor.)
- Automatic Trolley Guard Company. (See Nolan, F. J., assignor.)
- Automatic Utilities Company. (See Heissenberger, J., assignor.)
- Automatic Ventilator Company. (See Taylor, R., assignor.)
- Automobile Wheel & Rim Co. (See Hodgson, I., assignor.)
- Automultigraph Co. (See Hutches, B. F., Jr., assignor.)
- Autopiano Company. (See Danquard, T., assignor.)
- Autopiano Company. (See Keeley, W. J., assignor.)
- Autopiano Company. (See Laughlin, S. J., assignor.)
- Avansino, J., Pleasant Valley, Cal. Device for marking patterns. No. 886,170; Apr. 28; Sp. p. 5140; Dr. p. 1081; Gaz. vol. 133; p. 2091.
- Avant, L. W., Atascosa, Tex. Apparatus for extracting honey. No. 890,397; June 9; Sp. p. 2425; Dr. p. 536; Gaz. vol. 134; p. 1474.
- Avant, L. W., Atascosa, Tex. Extracting honey. No. 900,643; Oct. 6; Sp. p. 1230; Dr. pp. 251-2; Gaz. vol. 136; p. 1202.
- Averell, S. G. (See Griswold and Averell.)
- Averell, S. G., New York, N. Y. Carbureter. No. 885,905; Apr. 28; Sp. p. 4593; Dr. pp. 962-3; Gaz. vol. 133; p. 2008.
- Averill, C. S. (See Setzer, G. A., assignor.)
- Avery, A. E., administratrix. (See Ammerman, W. M., assignor.)
- Avery, A. E., administratrix. (See Toof, E. J.)
- Avery, A. L., Bradford, Pa. Gas-mixer. No. 893,418; July 14; Sp. p. 2057; Dr. p. 431; Gaz. vol. 135; p. 370.
- Avery, C. E. (See Johnson and Avery.)
- Avery, C. E., Jersey City, N. J. Time-switch. No. 883,273; Mar. 31; Sp. p. 5552; Dr. p. 1184; Gaz. vol. 133; p. 1036.
- Avery, C. M., E. I. G. Howell, and W. Eick, Binghamton, N. Y. Window-shade and curtain-pole holder. No. 896,347; Aug. 18; Sp. p. 3116; Dr. p. 669; Gaz. vol. 135; p. 1453.
- Avery, F. C., Harvey, Ill. Power-transmission device for motor-vehicles. No. 883,774; Apr. 7; Sp. p. 182; Dr. p. 34; Gaz. vol. 133; p. 1223.
- Avery, F. C., assignor to one-half to W. R. Donaldson, Chicago, Ill. Gas-engine. No. 894,568; July 28; Sp. p. 4576; Dr. p. 948; Gaz. vol. 135; p. 800.
- Avery Manufacturing Company. (See Bartholomew, J. B., assignor.)
- Avery Manufacturing Company. (See Springer, W. N., assignor.)
- Avery, T. M., Ottumwa, Iowa, assignor, by mesne assignments, to Union Paper Bag Machine Company, Philadelphia, Pa. Body-forming mechanism of bag-machines. No. 898,167; Sept. 8; Sp. p. 1903; Dr. pp. 406-7; Gaz. vol. 136; p. 331.
- Avery, W., Jamaica Plain, Mass. Spring-tool. No. 895,611; Aug. 11; Sp. p. 1669; Dr. p. 352; Gaz. vol. 135; p. 1194.
- Avery, W. G., Painesville, Ohio. Cylindrical cask. No. 900,692; Oct. 13; Sp. p. 1337; Dr. p. 272; Gaz. vol. 136; p. 1305.
- Avery, W. G., Painesville, Ohio. Hod. No. 889,427; June 2; Sp. p. 470; Dr. p. 112; Gaz. vol. 134; p. 1134.
- Avery, Firm of W. & T. (See Parnall, T. S. B., assignor.)
- Avis, H. W., Allegheny, Pa. Note-book and copy-holder. No. 889,743; June 2; Sp. p. 1084; Dr. p. 251; Gaz. vol. 134; p. 1234.
- Avisus, L., Chicago, Ill. Piano-agrafe. No. 907,713; Dec. 29; Sp. p. 5127; Gaz. vol. 137; p. 1948.
- Avram-Leet Engineering Company. (See Avram, M. H., assignor.)
- Avram, M. H., assignor to Avram-Leet Engineering Company, New York, N. Y. Weighing apparatus. No. 888,572; May 26; Sp. p. 4502; Dr. p. 954; Gaz. vol. 134; p. 824.
- Avram, M. H., assignor to Avram-Leet Engineering Company, New York, N. Y. Kiln. No. 888,573; May 26; Sp. p. 4504; Dr. pp. 954-5; Gaz. vol. 134; p. 825.
- Awalt, F. M., Chillicothe, Tex. Plowshare. No. 902,640; Nov. 3; Sp. p. 218; Gaz. vol. 137; p. 36.
- Awtrely, L. L., Waxahachie, Tex. Running-gear for plows. No. 904,039; Nov. 17; Sp. p. 3049; Gaz. vol. 137; p. 555.
- Axell, A., assignor to W. E. Drake, Boston, Mass. Eyeglass-case-covering machine. No. 906,672; Dec. 15; Sp. p. 3007; Gaz. vol. 137; p. 1542.
- Axelsson, A. G., Orleans, Nebr. Concrete-mixing apparatus. No. 892,496; July 7; Sp. p. 213; Dr. p. 44; Gaz. vol. 135; p. 39.
- Axium, W. L., Downers Grove, Ill. Form for concrete construction. No. 907,438; Dec. 22; Sp. p. 4527; Gaz. vol. 137; p. 1828.

Alphabetical list of patentees—Continued.

- Axt, J. N., assignor to Boyce Automatic Etching Company, New York, N. Y. Apparatus for etching plates. No. 882,443; Mar. 17; Sp. p. 3872; Dr. p. 827; Gaz. vol. 133; p. 701.
- Axtell, F. C., Short Hills, N. J. Motor. No. 877,977; Feb. 4; Sp. p. 158; Dr. pp. 35-6; Gaz. vol. 132; p. 876.
- Ayars, C. H., assignor to Ayars Machine Company, Salem, N. J. Can-fluxing machine. No. 901,867; Oct. 20; Sp. p. 3761; Dr. p. 765; Gaz. vol. 136; p. 1723.
- Ayars, C. H., assignor to Ayars Machine Company, Salem, N. J. Can-capping machine. No. 908,373; Dec. 29; Sp. p. 6500; Gaz. vol. 137; p. 2169.
- Ayars Machine Company. (See Ayars, C. H., assignor.)
- Aycock, C. B., assignor to one-half to C. S. Defield, East Prairie, Mo. Stovepipe. No. 906,989; Dec. 15; Sp. p. 3606; Gaz. vol. 137; p. 1642.
- Ayer, A. E., Chelsea, assignor to R. L. Vose, Brookline, Mass. Machine for trimming the edges of boots and shoes. No. 883,684; Apr. 7; Sp. p. 1; Dr. p. 1; Gaz. vol. 133; p. 1195.
- Ayer, F. H., Chicago Heights, Ill. Bonding-pin. No. 882,609; Mar. 24; Sp. p. 4212; Dr. p. 892; Gaz. vol. 133; p. 788.
- Ayer, F. W., Bangor, Me. Elevated carrier system. No. 880,348; Feb. 25; Sp. p. 5056; Dr. p. 1068; Gaz. vol. 132; p. 1758.
- Ayer, H. L. (See Shattuck, C. A., assignor.)
- Ayer, J. I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Automatic indicator or thermoscopic signal for heated tools and vessels. No. 884,973; Apr. 14; Sp. p. 2666; Dr. p. 567; Gaz. vol. 133; p. 1644.
- Ayer, J. I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Condition-controlling device. No. 904,917; Nov. 24; Sp. p. 4913; Gaz. vol. 137; p. 878.
- Ayer, J. I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Machine for crimping electric resistance-wires. No. 905,130; Dec. 1; Sp. p. 9; Gaz. vol. 137; p. 985.
- Ayer, J. I., Cambridge, and H. B. Gale, Natick, assignors to Simplex Electric Heating Company, Cambridge, Mass. Electric heating device. No. 905,045; Nov. 24; Sp. p. 5166; Gaz. vol. 137; p. 921.
- Ayers, E. D., Jones Station, Pa. Tape-liner. No. 889,570; June 2; Sp. p. 752; Dr. p. 173; Gaz. vol. 134; p. 1178.
- Ayers, J. W., Brooklyn, N. Y. Washing-machine. No. 880,349; Feb. 25; Sp. p. 5058; Dr. p. 1068; Gaz. vol. 132; p. 1759.
- Aylsworth, A. W., Fostoria, Ohio. Match-box. No. 900,819; Oct. 13; Sp. p. 1602; Dr. p. 324; Gaz. vol. 136; p. 1346.
- Aylsworth, J. W., East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Composition for making duplicate phonograph-records. No. 880,707; Mar. 3; Sp. p. 428; Dr. p. 91; Gaz. vol. 133; p. 76.
- Aylsworth, J. W., East Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Storage-battery electrode. No. 880,957; Mar. 3; Sp. p. 948; Dr. p. 205; Gaz. vol. 133; p. 160.
- Aylsworth, J. W., East Orange, and F. L. Dyer, Montclair, N. J. Apparatus for distilling coal. No. 878,490; Feb. 11; Sp. p. 1228; Dr. p. 254; Gaz. vol. 132; p. 1079.
- Aylward, H. W., *et al.* (See Lehmann, J. C., assignor.)
- Aylward, H. W., New York, N. Y., assignor to Signal and Control Company. Whistle. No. 908,063; Dec. 29; Sp. p. 5842; Gaz. vol. 137; p. 2063.
- Aylward, J. J., *et al.* (See Lehmann, J. C., assignor.)
- Aymond, F. L. (See De Witt, C. C., assignor.)
- Ayotte, J. R., assignor to J. B. A. Martin, Montreal, Quebec, Canada. Electric water-heater. No. 897,186; Aug. 25; Sp. p. 4849; Dr. p. 1031; Gaz. vol. 135; p. 1750.
- Ayres, F. E. (See Overbagh, Ayres, and Brent.)
- Ayres, O. O., Olathe, Kans. Mail-bag catching and delivering apparatus. No. 897,443; Sept. 1; Sp. p. 419; Dr. pp. 89-90; Gaz. vol. 136; p. 65.
- Ayres, P., Ocean Side, N. Y. Drum-trap. No. 880,436; Feb. 25; Sp. p. 5252; Dr. p. 1104; Gaz. vol. 132; p. 1788.
- Ayres, P., Ocean Side, N. Y. Trap. No. 887,570; May 12; Sp. p. 2526; Dr. p. 532; Gaz. vol. 134; p. 436.
- Ayres, W., Plainfield, N. J. Corn-popper. No. 898,953; Sept. 15; Sp. p. 3385; Dr. p. 727; Gaz. vol. 136; p. 616.
- Aze, E., assignor to one-half to H. Bjelland, Minneapolis, Minn. Differential mechanism. No. 902,045; Oct. 27; Sp. p. 4144; Dr. p. 839; Gaz. vol. 136; p. 1811.
- B. Roth Tool Company. (See Brooks, C. E., assignor.)
- B. A. Ballou & Company. (See Morehouse, E. W., assignor.)
- B. B. Hill Manufacturing Company. (See Hill, B. B., assignor.)
- B. F. Barnes Company. (See Barnes, B. F., assignor.)
- B. F. Barnes Company. (See Milne, R., assignor.)
- B. F. Goodrich Company. (See Gammeter, J. R., assignor.)
- B. F. Goodrich Company. (See Kepler, I. F., assignor.)
- B. F. Goodrich Company. (See Raymond, H. K., assignor.)
- B. F. Goodrich Company. (See Shaw, E. C., assignor.)
- B. F. Perkins and Son. (See Stanley, J. O., assignor.)
- B. F. Sturtevant Company. (See Snow, W. E., assignor.)
- B. G. Volger Manufacturing Company. (See Volger, B. G., assignor.)
- B. H. Steif Jewelry Co. (See Faller, L. A., assignor.)
- Baas, I., Newark, assignor to American Type Founders Company, Jersey City, N. J. Type-mold. No. 902,196; Oct. 27; Sp. p. 4442; Dr. p. 899; Gaz. vol. 136; p. 1859.
- Baas, I., Newark, assignor to American Type Founders Company, Jersey City, N. J. Mold for casting type. No. 902,197; Oct. 27; Sp. p. 4443; Dr. p. 899; Gaz. vol. 136; p. 1859.
- Baase, H. C., Indianapolis, Ind., assignor to Universal Automatic Carving Machine Co., Chicago, Ill. Retracting mechanism for automatic carving-machines. No. 898,168; Sept. 8; Sp. p. 1906; Dr. p. 408; Gaz. vol. 136; p. 331.
- Baashuus, N., Christiania, Norway. Pipe-joint. No. 906,849; Dec. 15; Sp. p. 3343; Gaz. vol. 137; p. 1598.
- Babb, J. M., assignor of three-fourths to W. B. Oldham, L. W. Drake, and J. E. Johnston, Elida, N. Mex. Ter. Apparatus for raising liquids. No. 901,414; Oct. 20; Sp. p. 2814; Dr. p. 575; Gaz. vol. 136; p. 1575.
- Babbe, F. B., San Jose, Cal. Air-compressor. No. 887,571; May 12; Sp. p. 2527; Dr. p. 532; Gaz. vol. 134; p. 436.
- Babbitt, E. M. M. (See Murray and Babbitt.)
- Babbitt, H. A., Oklahoma, Okla. Cotton-picker. No. 887,178; May 12; Sp. p. 1651; Dr. p. 351; Gaz. vol. 134; p. 303.
- Babbitt, S. W., Meriden, Conn. Casket-handle. No. 906,363; Dec. 8; Sp. p. 2443; Gaz. vol. 137; p. 1419.
- Babbitt, W. A., and C. R. Hanchett, assignors to Lockport Stamping Company, Lockport, N. Y. Dust-pan. No. 904,500; Nov. 24; Sp. p. 4050; Gaz. vol. 137; p. 739.
- Babcock, C. D., assignor to United Wireless Telegraph Company, New York, N. Y. Wave-responsive device. No. 901,942; Oct. 27; Sp. p. 3919; Dr. p. 799; Gaz. vol. 136; p. 1777.
- Babcock, C. D., assignor to United Wireless Telegraph Company, New York, N. Y. Electrical heating apparatus. No. 906,990; Dec. 15; Sp. p. 3607; Gaz. vol. 137; p. 1642.
- Babcock, C. D., assignor to United Wireless Telegraph Company, New York, N. Y. Oscillation-detector. No. 906,991; Dec. 15; Sp. p. 3609; Gaz. vol. 137; p. 1642.
- Babcock, C. W., Portland, Ore. Razor-strop. No. 882,228; Mar. 17; Sp. p. 3482; Dr. p. 740; Gaz. vol. 133; p. 629.
- Babcock, E. E., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Driving mechanism for multicolor-printing presses. No. 906,673; Dec. 15; Sp. p. 3010; Gaz. vol. 137; p. 1542.
- Babcock, E. E., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Driving mechanism for multicolor-printing presses. No. 906,674; Dec. 15; Sp. p. 3011; Gaz. vol. 137; p. 1542.
- Babcock, F. R., Chicago, Ill. Electric generation system. No. 902,851; Nov. 3; Sp. p. 646; Gaz. vol. 137; p. 108.
- Babcock, G., assignor to M. E. Lewis, Rochester, N. Y. Signaling system. No. 887,748; May 19; Sp. p. 2869; Dr. p. 606; Gaz. vol. 134; p. 522.
- Babcock, G., assignor to M. E. Lewis, Rochester, N. Y. Signaling system. No. 904,918; Nov. 24; Sp. p. 4917; Gaz. vol. 137; p. 878.
- Babcock, G., assignor to M. E. Lewis, Rochester, N. Y. Electromagnetic relay. No. 907,714; Dec. 29; Sp. p. 5129; Gaz. vol. 137; p. 1948.
- Babcock, G., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Selective signaling system. No. 893,125; July 14; Sp. p. 1493; Dr. p. 316; Gaz. vol. 135; p. 274.
- Babcock, G., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Multiparty-line telephone-exchange system. No. 901,669; Oct. 20; Sp. p. 3341; Dr. p. 686; Gaz. vol. 136; p. 1657.
- Babcock, G., and J. Reuter, assignors to M. E. Lewis, Rochester, N. Y. Binding-post. No. 895,714; Aug. 11; Sp. p. 1873; Dr. p. 397; Gaz. vol. 135; p. 1228.
- Babcock, G. B. and G. H., Cleveland, Ohio. Horizontally-pivoted window. No. 888,215; May 19; Sp. p. 3775; Dr. p. 792; Gaz. vol. 134; p. 675.
- Babcock, G. E., Fort Plain, N. Y. Front running-gear. No. 877,159; Jan. 21; Sp. p. 3042; Dr. p. 659; Gaz. vol. 132; p. 561.
- Babcock, G. H. (See Babcock, G. B. and G. H.)
- Babcock, W. I. (See Penton, H., assignor.)
- Babcock, W. I., New York, N. Y. Anchor for vessels. No. 902,046; Oct. 27; Sp. p. 4145; Dr. p. 840; Gaz. vol. 136; p. 1811.

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- Babcock & Wilcox Company. (See Bell, J. E., assignor.)
 Babcock & Wilcox Company. (See Summers, L. L., assignor.)
 Baber, E. H., Henrietta, N. C. Fly-shuttle motion. No. 890,835; June 16; Sp. p. 3340; Dr. p. 732; Gaz. vol. 134; p. 1652.
 Babin, H., assignor of two-thirds to A. J. Richard and A. Bergeron, Lafourche Crossing, La. Pickle-fork. No. 881,285; Mar. 10; Sp. p. 1595; Dr. p. 341; Gaz. vol. 133; p. 298.
 Bach, C. Jr., Milwaukee, Wis. Electric-circuit controller. No. 880,617; Mar. 3; Sp. p. 261; Dr. p. 55; Gaz. vol. 133; p. 46.
 Bach, C. H., Brooks, Minn. Composition for matches and stoppers. No. 884,885; Apr. 14; Sp. p. 2490; Gaz. vol. 133; p. 1617.
 Bach, M., Dresden, Germany. Closet-seat. No. 908,374; Dec. 29; Sp. p. 6506; Gaz. vol. 137; p. 2170.
 Bach, R. B., New York, N. Y. Needle. No. 877,476; Jan. 28; Sp. p. 3663; Dr. p. 794; Gaz. vol. 132; p. 685.
 Bacharach, H., Pittsburg, Pa. Machine for making coal-bits. No. 880,618; Mar. 3; Sp. p. 263; Dr. pp. 55-6; Gaz. vol. 133; p. 46.
 Bache, H. M., assignor to Firm of Aktieselskabet Stav. Bliktrykkeri og Maskinvaerksted, Stavanger, Norway. Joint for sheet-metal vessels. No. 899,587; Sept. 29; Sp. p. 4635; Dr. p. 995; Gaz. vol. 136; p. 887.
 Bache, L. S., Boundbrook, N. J. Incubator. No. 898,301; Sept. 8; Sp. p. 2156; Dr. p. 458; Gaz. vol. 136; p. 372.
 Bache-Wüg, C., Glens Falls, N. Y. Bark-removing machine. No. 889,292; June 2; Sp. p. 198; Dr. p. 50; Gaz. vol. 134; p. 1089.
 Bachle, F. X., and J. C. L. Krebs, Clyde, Ohio. Multiple-cylinder engine. No. 880,958; Mar. 3; Sp. p. 951; Dr. pp. 205-6; Gaz. vol. 133; p. 160.
 Bachler, C. F., Philadelphia, Pa. Steam or hot-water boiler. No. 890,487; June 9; Sp. p. 2588; Dr. pp. 573-4; Gaz. vol. 134; p. 1502.
 Bachmann, C. H., Guelph, Ontario, Canada. Super for beehives. No. 901,058; Oct. 13; Sp. p. 2085; Dr. p. 424; Gaz. vol. 136; p. 1433.
 Bachner, H. L. (See Boyte, G. R., assignor.)
 Bachrach, S. L., New York, N. Y. Display-box. No. 879,235; Feb. 18; Sp. p. 2750; Dr. pp. 574-5; Gaz. vol. 132; p. 1361.
 Bachrach, S. L., New York, N. Y. Tag for neckwear and the like. No. 893,969; July 21; Sp. p. 3318; Dr. p. 681; Gaz. vol. 135; p. 581.
 Bachura, M., Collyer, Kans. Corset. No. 877,978; Feb. 4; Sp. p. 161; Dr. p. 36; Gaz. vol. 132; p. 876.
 Backermann, H. G., Yoakum, Tex. Spring. No. 898,084; Sept. 8; Sp. p. 1745; Dr. p. 371; Gaz. vol. 136; p. 306.
 Backes, W. O., Independence, Kans. Wire-reel. No. 884,974; Apr. 14; Sp. p. 2668; Dr. p. 567; Gaz. vol. 133; p. 1644.
 Backhouse, J. (See Robinson and Backhouse.)
 Backlin, A. F. (See Daniels, Backlin, and Eklund.)
 Backlund, D., assignor of one-half to P. J. Russell, Bemidji, Minn. Garment-supporter. No. 887,025; May 5; Sp. p. 1365; Dr. p. 290; Gaz. vol. 134; p. 226.
 Backlund, D., assignor of one-half to P. J. Russell, Bemidji, Minn. Tying appliance. No. 891,790; June 23; Sp. p. 5295; Dr. p. 1146; Gaz. vol. 134; p. 1998.
 Backus, C. D., Belya, W. Va. Rail-joint. No. 906,364; Dec. 8; Sp. p. 2444; Gaz. vol. 137; p. 1419.
 Backus, C. G., assignor to Zucker & Levett & Loeb Co., New York, N. Y. Plating apparatus. No. 889,744; June 2; Sp. p. 1087; Dr. pp. 251-2; Gaz. vol. 134; p. 1234.
 Backus, H. N., Detroit, Mich. Hinge for shipping-cans. No. 894,998; Aug. 4; Sp. p. 455; Dr. p. 92; Gaz. vol. 135; p. 967.
 Backus Water Motor Company. (See Cissel, R. B., assignor.)
 Bacon, D., New York, N. Y. Electromagnetic stop mechanism for shuttle-looms. No. 905,131; Dec. 1; Sp. p. 12; Gaz. vol. 137; p. 986.
 Bacon, G. W., Grand Junction, Colo. Mowing-machine. No. 880,771; Mar. 3; Sp. p. 575; Dr. p. 122; Gaz. vol. 133; p. 99.
 Bacon, J. M., Cambridge, Mass. Combination-color book. No. 895,227; Aug. 4; Sp. p. 902; Dr. p. 190; Gaz. vol. 135; p. 1046.
 Bacon, R. A., Waterloo, Iowa. Adjustable file-handle. No. 905,132; Dec. 1; Sp. p. 13; Gaz. vol. 137; p. 986.
 Bade, E., and A. Kowastch, New York, N. Y. Means for mounting and preserving biological specimens. No. 891,971; June 30; Sp. p. 5688; Dr. p. 1225; Gaz. vol. 134; p. 2089.
 Badeau, C. C., Schenectady, N. Y., assignor to General Electric Company. Circuit-breaker. No. 900,693; Oct. 13; Sp. p. 1338; Dr. p. 273; Gaz. vol. 136; p. 1305.
 Baden, T., Hackensack, N. J. Crank mechanism. No. 891,586; June 23; Sp. p. 4872; Dr. pp. 1049-50; Gaz. vol. 134; p. 1927.
 Bader, G. A., assignor to E. Kirstein Sons Company, Rochester, N. Y. Spring-bridge. No. 886,467; May 5; Sp. p. 252; Dr. p. 53; Gaz. vol. 134; p. 47.
 Badger, A. C., Cohasset, Mass. Hand-hole pipe-coupling attachment for boiler-heads, &c. No. 881,045; Mar. 3; Sp. p. 1104; Dr. p. 238; Gaz. vol. 133; p. 189.
 Badger, A. C., Newton Center, Mass. Forming compound receptacles. No. 895,412; Aug. 11; Sp. p. 1276; Dr. p. 268; Gaz. vol. 135; p. 1130.
 Badger, A. C., Newton, Mass. Chemical fire-extinguisher. No. 906,185; Dec. 8; Sp. p. 2103; Gaz. vol. 137; p. 1361.
 Badger, B. M., Dillon, S. C. Bicycle attachment. No. 877,820; Jan. 28; Sp. p. 4333; Dr. p. 941; Gaz. vol. 132; p. 795.
 Badger Brass Manufacturing Company. (See Welles, R. H., assignor.) (Reissue.)
 Badger Brass Mfg. Co. (See Welles, R. H., assignor.)
 Badger, G. L., Quincy, Mass. Pneumatic impact-tool. No. 893,296; July 14; Sp. p. 1830; Dr. p. 384; Gaz. vol. 135; p. 330.
 Badger, G. L., Quincy, Mass. Pneumatic surfacing-machine. No. 906,850; Dec. 15; Sp. p. 3345; Gaz. vol. 137; p. 1599.
 Badger, G. L., Quincy, Mass., assignor to Sullivan Machinery Company, Claremont, N. H. Pneumatic impact-tool. No. 904,827; Nov. 24; Sp. p. 4727; Gaz. vol. 137; p. 850.
 Badger, J. F., St. Louis, Mo. Tire-upsetter, punch, and shear machine. No. 896,508; Aug. 18; Sp. p. 3452; Dr. pp. 742-3; Gaz. vol. 135; p. 1507.
 Badger, R. A., Rochester, N. Y. Bottle-packing. No. 903,827; Nov. 17; Sp. p. 2604; Gaz. vol. 137; p. 483.
 Badgley, R. T., New York, N. Y. Rubber-soled shoe. No. 896,075; Aug. 18; Sp. p. 2598; Dr. p. 562; Gaz. vol. 135; p. 1368.
 Badische Anilin & Soda Fabrik. (See Bally and Wolf, assignors.)
 Badische Anilin & Soda Fabrik. (See Bazlen, M., assignor.)
 Badische Anilin & Soda Fabrik. (See Bazlen and Wohlfahrt, assignors.)
 Badische Anilin & Soda Fabrik. (See Becker, F., assignor.)
 Badische Anilin & Soda Fabrik. (See Berge, E., assignor.)
 Badische Anilin & Soda Fabrik. (See Bohn, R., assignor.)
 Badische Anilin & Soda Fabrik. (See Boner, J. H., assignor.)
 Badische Anilin & Soda Fabrik. (See Bosch and Mittasch, assignors.)
 Badische Anilin & Soda Fabrik. (See Isler, M. H., assignor.)
 Badische Anilin & Soda Fabrik. (See Julius, P., assignor.)
 Badische Anilin & Soda Fabrik. (See Julius and Fussenecker, assignors.)
 Badische Anilin & Soda Fabrik. (See Kunz, M. A., assignor.)
 Badische Anilin & Soda Fabrik. (See Labhardt, H., assignor.)
 Badische Anilin & Soda Fabrik. (See Le Blanc, M., assignor.)
 Badische Anilin & Soda Fabrik. (See Pummerer, R., assignor.)
 Badische Anilin & Soda Fabrik. (See Schlegel, A., assignor.)
 Badische Anilin & Soda Fabrik. (See Schraube and Laudien, assignors.)
 Badische Anilin & Soda Fabrik. (See Stieglmann and Dehnel, assignors.)
 Badische Anilin & Soda Fabrik. (See Wolff, H., assignor.)
 Badt, F. B., Chicago, Ill. Intermittent illuminating system. No. 902,798; Nov. 3; Sp. p. 511; Gaz. vol. 137; p. 89.
 Baecker, A., assignor of one-half to J. Wagner, Detroit, Mich. Clothes-drier. No. 883,162; Mar. 31; Sp. p. 5319; Dr. p. 1135; Gaz. vol. 133; p. 999.
 Baenen, A. H., Jamestown, N. D. Grain-screening machine. No. 891,654; June 23; Sp. p. 5029; Dr. p. 1083; Gaz. vol. 134; p. 1951.
 Baer, A. O. (See Witting and Baer.)
 Baer, H. J., San Francisco, Cal. Form-fitting waist-lining. No. 882,989; Mar. 24; Sp. p. 4967; Dr. p. 1057; Gaz. vol. 133; p. 913.
 Baer, J., New York, N. Y. Wrapper for braid and similar articles. No. 888,686; May 26; Sp. p. 4750; Dr. p. 1010; Gaz. vol. 134; p. 862.
 Baer, J., Weingarten, Germany, assignor to C. Poulet, Liege, Belgium. Machine for making brushes. No. 880,475; Feb. 25; Sp. p. 5334; Dr. pp. 1123-4; Gaz. vol. 132; p. 1803.
 Baer, J. H. (See Davis and Baer.)
 Baer, J. K. (See Emrick and Baer.)
 Baer, M., and P. Flachshaar, Berlin, Germany. Ignition device for gas-burners. No. 881,528; Mar. 10; Sp. p. 2061; Dr. p. 450; Gaz. vol. 133; p. 375.
 Baetz, H., St. Louis, Mo. Feed mechanism for drying apparatus. No. 893,126; July 14; Sp. p. 1498; Dr. p. 316; Gaz. vol. 135; p. 275.
 Baeyer, H. von, Munich, Germany. Dispensing vessel. No. 900,644; Oct. 6; Sp. p. 1233; Dr. p. 252; Gaz. vol. 136; p. 1262.
 Bagby, J. W., Wichita, Kans. Pump. No. 888,574; May 26; Sp. p. 4506; Dr. p. 955; Gaz. vol. 134; p. 825.
 Bagby, M. M., assignor of one-third to J. B. Glaser, Denver, Colo. Sash-stop. No. 892,970; July 7; Sp. p. 1161; Dr. p. 244; Gaz. vol. 135; p. 195.
 Baggeley, A., Chicago, Ill. Ventilator. No. 889,186; June 2; Sp. p. 1; Dr. p. 1; Gaz. vol. 134; p. 1057.
 Baggeley, R., Pittsburg, Pa. Treating ores. No. 895,939; Aug. 11; Sp. p. 2315; Dr. pp. 493-4; Gaz. vol. 135; p. 1300.
 Baggeley, R., Pittsburg, Pa. Slag-heated boiler. No. 898,302; Sept. 8; Sp. p. 2158; Dr. p. 458; Gaz. vol. 136; p. 373.

Alphabetical list of patentees—Continued.

- Baggaley, R., Pittsburg, Pa. Smelting ores. No. 900,466; Oct. 6; Sp. p. 849; Dr. pp. 172-3; Gaz. vol. 136; p. 1203.
- Baggaley, R., Pittsburg, Pa. Recovering values from fine-dust and fines. No. 900,467; Oct. 6; Sp. p. 851; Dr. p. 173; Gaz. vol. 136; p. 1204.
- Baggaley, R., Pittsburg, Pa., C. M. Allen, Lo Lo, Mont., and E. W. Lindquist, Chicago, Ill. Liquation-furnace. No. 902,047; Oct. 27; Sp. p. 4146; Dr. pp. 840-1; Gaz. vol. 136; p. 1812.
- Baggaley, R., Pittsburg, Pa., C. A. Allen, Lo Lo, Mont., and E. W. Lindquist, Chicago, Ill.; said Allen and Lindquist assignors to said Baggaley. Smelting converter and forehearth. No. 886,030; Apr. 28; Sp. p. 4876; Dr. pp. 1027-8; Gaz. vol. 133; p. 2050.
- Bagley, B. E., Gantt, Ala. Cane-stripper. No. 878,928; Feb. 11; Sp. p. 2157; Dr. p. 450; Gaz. vol. 132; p. 1222.
- Bagley, J., Tacoma, Wash. Car-stake. No. 903,655; Nov. 10; Sp. p. 2248; Gaz. vol. 137; p. 397.
- Bagwell, C. L., *et al.* (See Guilfoyle, J. D., assignor.)
- Bahn, G. A., Austin, Tex. Device for slitting sweet corn. No. 881,841; Mar. 10; Sp. p. 2677; Dr. p. 573; Gaz. vol. 133; p. 476.
- Bahr, R., *et al.* (See Preston, W. M., assignor.)
- Bahr, W., *et al.* (See Preston, W. M., assignor.)
- Bahret, G. H. (See Burnett and Bahret.)
- Baigné, O., Montreal, Quebec, Canada. Folding bed. No. 892,348; June 30; Sp. p. 6391; Dr. pp. 1379-80; Gaz. vol. 134; p. 2211.
- Bailey, A. B., Robinson, Ill. Pumping-jack. No. 887,572; May 12; Sp. p. 2529; Dr. p. 533; Gaz. vol. 134; p. 436.
- Bailey, A. J., Salford, England. Device for carrying spare wheels or tires on motor-cars. No. 883,274; Mar. 31; Sp. p. 5554; Dr. p. 1185; Gaz. vol. 133; p. 1036.
- Bailey, A. R., New York, assignor to Sanitary Water-Still Company, Brooklyn, N. Y. Water-still. No. 882,811; Mar. 24; Sp. p. 4609; Dr. p. 983; Gaz. vol. 133; p. 854.
- Bailey, B. L., Gresson, Ga. Kitchen-rack. No. 888,295; May 19; Sp. p. 3929; Dr. p. 827; Gaz. vol. 134; p. 702.
- Bailey, C. F., Alsager, and R. H. Wainford, Stoke-upon-Trent, England. Scouring apparatus for scouring ceramic wares. No. 906,851; Dec. 15; Sp. p. 3355; Gaz. vol. 137; p. 1599.
- Bailey, C. H., assignor to J. Hinkelman, J. M. Feaser, and D. C. Fahey, Wheeling, W. Va. Clothes-line reel. No. 892,349; June 30; Sp. p. 6393; Dr. p. 1389; Gaz. vol. 134; p. 2212.
- Bailey, E., Leiters Ford, Ind. Sewing-chair. No. 884,554; Apr. 14; Sp. p. 1794; Dr. p. 386; Gaz. vol. 133; p. 1509.
- Bailey, E. R., Clarinda, Iowa. Cream-separator. No. 886,921; May 5; Sp. p. 1170; Dr. p. 246; Gaz. vol. 134; p. 193.
- Bailey, E. R., Clarinda, Iowa. Journal-bearing. No. 901,140; Oct. 13; Sp. p. 2231; Dr. p. 454; Gaz. vol. 136; p. 1448.
- Bailey, E. R., Fordoche, La. Guard attachment for sewing-machines. No. 892,794; July 7; Sp. p. 789; Dr. p. 166; Gaz. vol. 135; p. 135.
- Bailey, E. R., Fordoche, La. Nut-lock. No. 905,780; Dec. 1; Sp. p. 1316; Gaz. vol. 137; p. 1199.
- Bailey, F., Hoboken, N. J. Device for buttoning collars. No. 878,598; Feb. 11; Sp. p. 1525; Dr. p. 310; Gaz. vol. 132; p. 1116.
- Bailey, F. E., Ceres, N. Y. Lubricator for railway-tracks. No. 880,494; Mar. 3; Sp. p. 7; Dr. p. 2; Gaz. vol. 133; p. 4.
- Bailey, H. C., Philadelphia, Pa. Starting device for explosion-engines. No. 895,328; Aug. 4; Sp. p. 1113; Dr. p. 234; Gaz. vol. 135; p. 1079.
- Bailey, H. E., Albany, N. Y. Air-compressor. No. 904,294; Nov. 17; Sp. p. 3616; Gaz. vol. 137; p. 644.
- Bailey, H. T., North Scituate, Mass. Crayon-holder. No. 900,143; Oct. 6, Sp. p. 149; Dr. p. 31; Gaz. vol. 136; p. 1097.
- Bailey, J. A., Brooklyn, N. Y. Baking-pan. No. 879,434; Feb. 18; Sp. p. 3167; Dr. p. 659; Gaz. vol. 132; p. 1426.
- Bailey, J. G., Coatesville, Pa. Folding washbasin. No. 906,992; Dec. 15; Sp. p. 3612; Gaz. vol. 137; p. 1642.
- Bailey, J. H., New York, N. Y., assignor to Tuttle & Bailey Manufacturing Company. Register or ventilator. No. 896,966; Aug. 25; Sp. p. 4425; Dr. p. 945; Gaz. vol. 135; p. 1679.
- Bailey, J. J., Houston, Tex. Nut-lock. No. 896,883; Aug. 25; Sp. p. 4217; Dr. p. 902; Gaz. vol. 135; p. 1651.
- Bailey, J. L., St. Augustine, assignor of one-half to J. T. Hamilton, Pampana, Fla. Switch. No. 893,970; July 21; Sp. p. 3319; Dr. p. 681; Gaz. vol. 135; p. 581.
- Bailey, J. P. H., Burnet, Tex. Rail-joint. No. 883,508; Mar. 31; Sp. p. 6047; Dr. p. 1230; Gaz. vol. 133; p. 1114.
- Bailey, J. T. (See Kersey, R., assignor.)
- Bailey, L., Windsor, Va. Fertilizer-distributor. No. 894,098; July 21; Sp. p. 3581; Dr. p. 737; Gaz. vol. 135; p. 625.
- Bailey, S. E., Colfax, Wash. Potato peeling and cleaning machine. No. 902,466; Oct. 27; Sp. p. 5025; Dr. p. 1017; Gaz. vol. 136; p. 1948.
- Bailey, T. L. W. (See Chandler, O. H., assignor.)
- Bailey, T. S., and F. T. Cable, Quincy, Mass., assignors to Electric Boat Company, New York, N. Y. Ignition mechanism for internal-combustion engines. No. 883,851; Apr. 7; Sp. p. 364; Dr. p. 71; Gaz. vol. 133; p. 1249.
- Bailey, V. T. (See Rosenberg and Bailey.)
- Bailey, W. E., and W. A. Kelsey, Paragould, Ark. Store furniture. No. 878,853; Feb. 11; Sp. p. 2012; Dr. p. 416; Gaz. vol. 132; p. 1198.
- Bailey, W. S. (See Woodward, A., assignor.)
- Bailhé, G. L., New York, N. Y. Top for grand-piano cases. No. 896,884; Aug. 25; Sp. p. 4218; Dr. p. 902; Gaz. vol. 135; p. 1651.
- Baillargeon, R., assignor of one-half to J. Asman, Port Huron, Mich. Brush-handle. No. 889,088; May 26; Sp. p. 5556; Dr. p. 1180; Gaz. vol. 134; p. 992.
- Bailor, S. E., Tarkio, Mo. Cultivator. No. 876,513; Jan. 14; Sp. p. 1680; Dr. pp. 366-7; Gaz. vol. 132; p. 306.
- Bailor, S. E., Tarkio, Mo. Draft-equalizer. No. 905,133; Dec. 1; Sp. p. 14; Gaz. vol. 137; p. 986.
- Baily, G. D., Richmond, Ind. Billet-loop. No. 886,575; May 5; Sp. p. 457; Dr. p. 97; Gaz. vol. 134; p. 84.
- Bainer, J. M., Marysville, Ohio. Copy-holder. No. 884,886; Apr. 14; Sp. p. 2491; Dr. p. 525; Gaz. vol. 133; p. 1617.
- Baines, F. W., assignor of three-fourths to J. E. Scott, G. Ely, and D. E. Scott, Montpelier, Ind. Double-suction pump. No. 905,046; Nov. 24; Sp. p. 5168; Gaz. vol. 137; p. 922.
- Bains, E., *et al.* (See Barger, J. P., assignor.)
- Bainton, H., New York, N. Y. Pneumatic valve-action. No. 890,488; June 9; Sp. p. 2590; Dr. p. 574; Gaz. vol. 134; p. 1503.
- Baird, A. M., Topeka, Kans. Metallic railway-tie. No. 902,364; Oct. 27; Sp. p. 4808; Dr. p. 971; Gaz. vol. 136; p. 1915.
- Baird, A. W., Marne, Iowa. Bundle-tie. No. 900,645; Oct. 6; Sp. p. 1234; Dr. p. 252; Gaz. vol. 136; p. 1262.
- Baird, C. W., Deep River, Iowa. Hay rake and loader. No. 890,209; June 9; Sp. p. 2032; Dr. p. 447; Gaz. vol. 134; p. 1415.
- Baird Corn Husker Co. (See Baird, W. S., assignor.)
- Baird, E. P., Evanston, assignor to Baird Manufacturing Company, Chicago, Ill. Telephone toll apparatus. No. 880,708; Mar. 3; Sp. p. 430; Dr. pp. 91-2; Gaz. vol. 133; p. 76.
- Baird, E. P., Evanston, assignor to Baird Manufacturing Company, Chicago, Ill. Toll telephone system. No. 886,031; Apr. 28; Sp. p. 4882; Dr. pp. 1028-9; Gaz. vol. 133; p. 2051.
- Baird, E. P., Evanston, assignor to Baird Manufacturing Company, Chicago, Ill. Register and device associated therewith. No. 908,375; Dec. 29; Sp. p. 6507; Gaz. vol. 137; p. 2170.
- Baird, E. P., Evanston, assignor to Baird Manufacturing Company, Chicago, Ill. Call-register. No. 908,376; Dec. 29; Sp. p. 6515; Gaz. vol. 137; p. 2170.
- Baird, G. M., Oklahoma, Okla. Automatic grain-weigher. No. 881,217; Mar. 10; Sp. p. 1444; Dr. p. 312; Gaz. vol. 133; p. 274.
- Baird, G. M., Oklahoma, Okla. Automatic grain-weigher. No. 898,420; Sept. 15; Sp. p. 2382; Dr. p. 509; Gaz. vol. 136; p. 445.
- Baird, H. D., assignor to Saint Clair Motor Co., Detroit, Mich. Explosive-engine. No. 887,749; May 19; Sp. p. 2876; Dr. p. 606; Gaz. vol. 134; p. 523.
- Baird Machine Company. (See Warner, C. L., assignor.)
- Baird Manufacturing Company. (See Baird, E. P., assignor.)
- Baird Manufacturing Company. (See Hulfish, D. S., assignor.)
- Baird, R., St. Thomas, N. D. Buckle. No. 891,226; June 23; Sp. p. 4138; Dr. p. 906; Gaz. vol. 134; p. 1811.
- Baird, W. S., Chicago, Ill., assignor, by mesne assignments, to Baird Corn Husker Co. Corn-husking machine. No. 892,208; June 30; Sp. p. 6133; Dr. pp. 1319-21; Gaz. vol. 134; p. 2165.
- Baker, A. D. (See Pilliod and Baker.)
- Baker, A. D., Swanton, Ohio. Valve-gear for steam-engines. No. 881,286; Mar. 10; Sp. p. 1596; Dr. p. 342; Gaz. vol. 133; p. 298.
- Baker, A. D., and O. Gaiman, Swanton, Ohio. Separating mechanism for threshing-machines. No. 905,134; Dec. 1; Sp. p. 17; Gaz. vol. 137; p. 987.
- Baker, A. E., Augusta, Ark. Pin. No. 887,573; May 12; Sp. p. 2530; Dr. p. 533; Gaz. vol. 134; p. 436.
- Baker, A. G., Stockton, Cal. Paste-bottle. No. 881,889; Mar. 17; Sp. p. 2815; Dr. p. 600; Gaz. vol. 133; p. 521.
- Baker, A. H., Brockton, Mass. Shoe-tree. No. 907,115; Dec. 22; Sp. p. 3862; Gaz. vol. 137; p. 1718.
- Baker, A. L., Herndon, Cal., and R. L. Baker, Joppa, Ala., assignors to Southern Plow Co., Dallas, Tex. Cultivator. No. 906,482; Dec. 8; Sp. p. 2649; Gaz. vol. 137; p. 1457.
- Baker, A. V. and D. M., Rocky, Okla. Equalizer. No. 894,999; Aug. 4; Sp. p. 456; Dr. p. 92; Gaz. vol. 135; p. 968.
- Baker, C. (See Baker, F. and C.)
- Baker, C. A., assignor to Sterling Wheelbarrow Company, Milwaukee, Wis. Wheelbarrow-clip. No. 888,055; May 19; Sp. p. 3477; Dr. p. 728; Gaz. vol. 134; p. 624.
- Baker, C. A., assignor to Sterling Wheelbarrow Company, Milwaukee, Wis. Wheelbarrow. No. 888,216; May 19; Sp. p. 3777; Dr. p. 792; Gaz. vol. 134; p. 675.

Alphabetical list of patentees—Continued.

- Baker, C. L., Sr., assignor of one-half to E. Goodwill, Chatawa, Miss. Combined loader, excavator, and pile-driver. No. 881,529; Mar. 10; Sp. p. 2061; Dr. pp. 450-1; Gaz. vol. 133; p. 375.
- Baker, C. W., Waverly township, Van Buren county, Mich. Pliers. No. 885,969; Apr. 28; Sp. p. 4751; Dr. p. 998; Gaz. vol. 133; p. 2031.
- Baker, C. W., Paw Paw, Mich. Tackle. No. 903,433; Nov. 10; Sp. p. 1784; Gaz. vol. 137; p. 325.
- Baker, D. (See Ladd and Baker.)
- Baker, D., Philadelphia, Pa. Fuel-feeding mechanism for gas-producers. No. 836,672; May 5; Sp. p. 662; Dr. pp. 137-8; Gaz. vol. 134; p. 113.
- Baker, D., Philadelphia, Pa. Furnace-charging mechanism. No. 889,571; June 2; Sp. p. 753; Dr. pp. 173-4; Gaz. vol. 134; p. 1179.
- Baker, D. B. (See Hamacek, A. F., assignor.)
- Baker, D. B., and J. A. Stein, Hoquiam, Wash. Sectional grate. No. 882,860; Mar. 24; Sp. p. 4722; Dr. p. 1004; Gaz. vol. 133; p. 870.
- Baker, D. M. (See Baker, A. V. and D. M.)
- Baker, D. R., Delaware, Ohio. Apparatus for extracting the volatilizable contents of sedimentary strata. No. 895,612; Aug. 11; Sp. p. 1670; Dr. p. 352; Gaz. vol. 135; p. 1194.
- Baker, E. A., assignor to Rapid Removable Rim Company, New York, N. Y. Detachable rim for vehicle-wheel tires. No. 897,701; Sept. 1; Sp. p. 933; Dr. p. 198; Gaz. vol. 136; p. 150.
- Baker, E. K. (See Hawley and Baker.)
- Baker, E. K., assignor of one-half to C. G. Hawley, Chicago, Ill. Convertible pneumatic-tire rim. No. 899,856; Sept. 29; Sp. p. 5217; Dr. p. 1116; Gaz. vol. 136; p. 975.
- Baker, F., Sparta, Ky. Weed-cutter and cultivator. No. 884,258; Apr. 7; Sp. p. 1212; Dr. p. 254; Gaz. vol. 133; p. 1334.
- Baker, F. and C., Dalton, N. Y. Cattle-stanchion. No. 903,267; Nov. 10; Sp. p. 1472; Gaz. vol. 137; p. 271.
- Baker, G. A., South Bend, Ind. Card-index. No. 876,252; Jan. 7; Sp. p. 1092; Dr. p. 238; Gaz. vol. 132; p. 185.
- Baker, G. A., Jr., assignor to M. J. Baker, Chicago, Ill. Player-piano. No. 899,018; Sept. 22; Sp. p. 3520; Dr. p. 754; Gaz. vol. 136; p. 665.
- Baker, G. N., Syracuse, N. Y. Window-screen. No. 907,439; Dec. 22; Sp. p. 4530; Gaz. vol. 137; p. 1828.
- Baker, G. S., London, England. Machine for grinding plastic substances, such as chocolate and the like. No. 881,287; Mar. 10; Sp. p. 1598; Dr. p. 342; Gaz. vol. 133; p. 298.
- Baker, G. W., Wilmington, Del. Machine for finishing the teeth of cast-metal gear-wheels, &c. No. 894,099; July 21; Sp. p. 3584; Dr. p. 738; Gaz. vol. 135; p. 625.
- Baker, H. J., Chicago, Ill. Nut-lock. No. 905,273; Dec. 1; Sp. p. 294; Gaz. vol. 137; p. 1034.
- Baker, H. S., Wilkinsburg, Pa. Reservoir-pen. No. 896,193; Aug. 18; Sp. p. 2797; Dr. p. 602; Gaz. vol. 135; p. 1402.
- Baker, J. D., assignor of one-half to Lisbon Implement Company, Lisbon, Ohio. Combined side-delivery rake and tedder. No. 897,247; Aug. 25; Sp. p. 5079; Dr. p. 1061; Gaz. vol. 135; p. 1775.
- Baker, J. D., assignor of two-thirds to A. Arter and G. B. Harvey, Lisbon, Ohio. Friction-gearing. No. 882,861; Mar. 24; Sp. p. 4724; Dr. p. 1004; Gaz. vol. 133; p. 871.
- Baker, J. E., New York, N. Y. Chair. No. 878,267; Feb. 4; Sp. p. 770; Dr. p. 154; Gaz. vol. 132; p. 972.
- Baker, J. F. (See Guttridge and Baker.)
- Baker, J. G., Philadelphia, Pa. Bench-vise. No. 822,695; Jan. 28; Sp. p. 4118; Dr. p. 801; Gaz. vol. 132; p. 757.
- Baker, J. H., Allegheny, Pa. Apparatus for forging axles. No. 904,295; Nov. 17; Sp. p. 3619; Gaz. vol. 137; p. 645.
- Baker, J. M. (See Bartram, E. S., assignor.)
- Baker, J. S., assignor of one-half to H. G. Grazier, Altoona, Pa. Railway brake-shoe. No. 896,076; Aug. 18; Sp. p. 2599; Dr. p. 563; Gaz. vol. 135; p. 1368.
- Baker, J. U., Stoutsville, Ohio. Power-transmission mechanism. No. 880,267; Feb. 25; Sp. p. 4911; Dr. pp. 1039-40; Gaz. vol. 132; p. 1733.
- Baker, J. W. (See Atterbury and La Plant, assignors.)
- Baker, J. W. (See Parker, G. H., assignor.)
- Baker, J. W., Phillips Bluff, La. Road-grader, levee-builder, digger, and conveyer. No. 880,268; Feb. 25; Sp. p. 4915; Dr. p. 1040; Gaz. vol. 132; p. 1733.
- Baker, M. A., Los Angeles, Cal. Rope-sheave. No. 899,648; Sept. 29; Sp. p. 4766; Dr. p. 1020; Gaz. vol. 136; p. 905.
- Baker, M. H., Oshkosh, Wis. Loose-leaf-book cover. No. 906,365; Dec. 8; Sp. p. 2445; Gaz. vol. 137; p. 1419.
- Baker, M. J. (See Baker, G. A., Jr., assignor.)
- Baker, M. J., Buffalo, N. Y. Apparatus for washing clothes. No. 901,313; Oct. 20; Sp. p. 2575; Dr. p. 530; Gaz. vol. 136; p. 1539.
- Baker Machine Corporation. (See Bastien, S. J., assignor.)
- Baker Motor Vehicle Company. (See Gruenfeldt, E., assignor.)
- Baker, P. S., and O. E. Vance, Muscatine, Iowa. Machine for washing and scalding fruits, &c. No. 898,954; Sept. 15; Sp. p. 3387; Dr. p. 727; Gaz. vol. 136; p. 617.
- Baker, R., Philadelphia, Pa. Cigar-tip-cutting attachment and fastening device for cigar-boxes. No. 895,835; Aug. 11; Sp. p. 2130; Dr. p. 451; Gaz. vol. 135; p. 1267.
- Baker, R. C., Coalinga, Cal. Gas-trap for oil-wells. No. 896,967; Aug. 25; Sp. p. 4427; Dr. p. 945; Gaz. vol. 135; p. 1679.
- Baker, R. L. (See Baker, A. L. and R. L.)
- Baker, S. A., Eastport, Me., assignor, by mesne assignments, to American Key Can Company, Chicago, Ill. Machine for applying solder to sheet metal. No. 906,603; Dec. 15; Sp. p. 2873; Gaz. vol. 137; p. 1520.
- Baker, S. A., Eastport, Me., assignor, by mesne assignments, to American Key Can Company, Chicago, Ill. Can-soldering machine. No. 907,116; Dec. 22; Sp. p. 3864; Gaz. vol. 137; p. 1718.
- Baker & Shevlin Company. (See Shevlin and Small, assignors.)
- Baker, T. A., Renick, Mo. Vehicle-wheel. No. 891,655; June 23; Sp. p. 5030; Dr. p. 1083; Gaz. vol. 134; p. 1952.
- Baker, T. T., Jonesboro, Ill. Fastening device for pump curbs or frames. No. 898,303; Sept. 8; Sp. p. 2159; Dr. p. 459; Gaz. vol. 136; p. 373.
- Baker-Vawter Company. (See Shoemaker, G. A., assignor.)
- Baker, W., Birmingham, England. Drop-down small-arms. No. 879,025; Feb. 11; Sp. p. 2325; Dr. p. 467; Gaz. vol. 132; p. 1251.
- Baker, W., Birmingham, England. Drop-down small-arm. No. 881,046; Mar. 3; Sp. p. 1105; Dr. pp. 239-40; Gaz. vol. 133; p. 189.
- Baker, W., Caversham, near Reading, England. Target and bullet-catcher for use with air-guns. No. 883,077; Mar. 24; Sp. p. 5127; Dr. p. 1094; Gaz. vol. 133; p. 941.
- Baker, W., Aberdeen, S. D. Steam-valve. No. 901,141; Oct. 13; Sp. p. 2232; Dr. p. 454; Gaz. vol. 136; p. 1448.
- Baker, W., Aberdeen, S. D. Soft-plug valve. No. 901,142; Oct. 13; Sp. p. 2234; Dr. p. 454; Gaz. vol. 136; p. 1449.
- Baker, W., Aberdeen, S. D., assignor of four-fifths to J. McCabe, Minneapolis, Minn., and F. Crane, Cummings, N. D. Fork for loading apparatus. No. 877,477; Jan. 28; Sp. p. 3664; Dr. p. 794; Gaz. vol. 132; p. 685.
- Baker, W. C. (See Kirk, G. E., assignor.)
- Baker, W. C., assignor to American Ball-Bearing Company, Cleveland, Ohio. Antifriction-bearing. No. 881,102; Mar. 3; Sp. p. 1214; Dr. p. 262; Gaz. vol. 133; p. 207.
- Baker, W. H., assignor of three-fifths to J. Peterson, Lockport, N. Y. Machine for forming fiber articles. No. 885,131; Apr. 21; Sp. p. 3006; Dr. p. 634; Gaz. vol. 133; p. 1728.
- Baker, W. J., Newport, Ky. Window-screen. No. 890,398; June 9; Sp. p. 2427; Dr. pp. 536-7; Gaz. vol. 134; p. 1474.
- Baker, W. L., Indianapolis, Ind. Combined scraper and drag. No. 898,421; Sept. 15; Sp. p. 2385; Dr. p. 510; Gaz. vol. 136; p. 446.
- Bakersfield Iron Works. (See Willard, A. G., assignor.)
- Balachowsky, D., Paris, and P. Caire, Levallois-Paris, France. Driving-wheel for electrically-propelled vehicles. No. 907,715; Dec. 29; Sp. p. 5132; Gaz. vol. 137; p. 1949.
- Balbach, C. E., Omaha, Nebr. Clothes-line-reeling device. No. 889,888; June 9; Sp. p. 1380; Dr. p. 313; Gaz. vol. 134; p. 1306.
- Balch, G. F., assignor of one-half to J. S. Balch, Lynn, Mass. Sliding door or sash. No. 880,350; Feb. 25; Sp. p. 5060; Dr. p. 1069; Gaz. vol. 132; p. 1759.
- Balch, J. S. (See Balch, G. F., assignor.)
- Balcom, F. G., et al. (See Horsman, E. I., Jr., assignor.)
- Baldt Anchor Company. (See Bickley, W. S., assignor.)
- Baldwin, A. J., East Orange, N. J. Making wire-glass. No. 880,772; Mar. 3; Sp. p. 576; Dr. p. 122; Gaz. vol. 133; p. 99.
- Baldwin, C. (See Baldwin, W. E., assignor.)
- Baldwin, C. H., assignor of one-half to W. R. Cline, Erie, Kans. Explosive-engine. No. 892,795; July 7; Sp. p. 791; Dr. p. 167; Gaz. vol. 135; p. 136.
- Baldwin, C. L., Waterloo, Iowa. Tile-machine. No. 893,597; July 21; Sp. p. 2481; Dr. pp. 516-17; Gaz. vol. 135; p. 457.
- Baldwin, E. F., San Francisco, Cal. Excavating and loading device. No. 890,954; June 16; Sp. p. 3605; Dr. p. 784; Gaz. vol. 134; p. 1690.
- Baldwin, F. S., Brooklyn, N. Y. Calculating and recording machine. No. 890,888; June 16; Sp. p. 3432; Dr. pp. 752-4; Gaz. vol. 133; p. 1668.
- Baldwin, G. P., Los Angeles, Cal. Transfer-track system. No. 881,454; Mar. 10; Sp. p. 1917; Dr. pp. 417-18; Gaz. vol. 133; p. 350.
- Baldwin, G. P., Los Angeles, Cal. Transfer-truck. No. 904,919; Nov. 24; Sp. p. 4923; Gaz. vol. 137; p. 879.

Alphabetical list of patentees—Continued.

- Baldwin, H., Chicago, Ill. Phonograph-reproducer. No. 884,062; Apr. 7; Sp. p. 793; Dr. p. 167; Gaz. vol. 133; p. 1320.
- Baldwin, H. L., Watertown, N. Y. Non-refillable bottle. No. 881,995; Mar. 17; Sp. p. 3034; Dr. pp. 645-6; Gaz. vol. 133; p. 555.
- Baldwin, H. S. (See Lemp and Baldwin.)
- Baldwin, L. F. N. (See Fales and Baldwin.)
- Baldwin, N., assignor of one-half to W. Witt, Heber, Utah. Telephone-receiver. No. 905,781; Dec. 1; Sp. p. 1317; Gaz. vol. 137; p. 1200.
- Baldwin, R. A., New Haven, Conn., assignor to Baldwin & Rowland Switch & Signal Co. Electric track-switch. No. 877,458; Jan. 21; Sp. p. 3622; Dr. p. 784; Gaz. vol. 132; p. 659.
- Baldwin & Rowland Switch & Signal Co. (See Baldwin, R. A., assignor.)
- Baldwin, T. S. (See Whitham and Baldwin.)
- Baldwin, W. C. P., Holyoke, Mass. Combined butcher's apron and frock. No. 884,063; Apr. 7; Sp. p. 793; Dr. p. 167; Gaz. vol. 133; p. 1320.
- Baldwin, W. E., Jr., Broad Ford, Pa. Envelop. No. 894,100; July 21; Sp. p. 3586; Dr. p. 739; Gaz. vol. 135; p. 626.
- Baldwin, W. E., assignor to C. Baldwin, Chicago, Ill. Shoe-creasing device. No. 902,547; Nov. 3; Sp. p. 18; Gaz. vol. 137; p. 4.
- Baldwin, W. J., Brooklyn, N. Y. Centrifugal fan. No. 898,624; Sept. 15; Sp. p. 2788; Dr. p. 596; Gaz. vol. 136; p. 510.
- Baling Tie Buckle Company. (See Herth, C. H., assignor.)
- Balken, L. R., Alpena, Mich. Bait-holder. No. 886,337; May 5; Sp. p. 2; Dr. p. 1; Gaz. vol. 134; p. 3.
- Ball, A., assignor to Sullivan Machinery Company, Claremont, N. H. Brush-holder. No. 885,437; Feb. 25; Sp. p. 5253; Dr. p. 1105; Gaz. vol. 132; p. 1789.
- Ball, A., assignor to Sullivan Machinery Company, Claremont, N. H. Drill-support. No. 887,301; May 12; Sp. p. 1967; Dr. p. 413; Gaz. vol. 134; p. 345.
- Ball, A., assignor, by mesne assignments, to Sullivan Machinery Company, Claremont, N. H. Coal or rock drilling machine. No. 905,490; Dec. 1; Sp. p. 766; Gaz. vol. 137; p. 1106.
- Ball, A. A., Jr., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Hydrocarbon-burner. No. 901,415; Oct. 20; Sp. p. 2818; Dr. pp. 575-6; Gaz. vol. 136; p. 1575.
- Ball, A. W. (See Seymour and Ball.)
- Ball, A. W., London, England. Preparing hemostatic dressing. No. 892,022; June 30; Sp. p. 5769; Dr. pp. 1281-2; Gaz. vol. 134; p. 2104.
- Ball, C., assignor to Kelly Axe Mfg. Co., Alexandria, Ind. Scythe-grinder. No. 901,059; Oct. 13; Sp. p. 2087; Dr. p. 424; Gaz. vol. 136; p. 1424.
- Ball, C. A., Marion, Ind. Computing ballot-box. No. 902,365; Oct. 27; Sp. p. 4809; Dr. pp. 971-2; Gaz. vol. 136; p. 1915.
- Ball, C. E., Alexandria, Ind., assignor to Macbeth-Evans Glass Company, Pittsburg, Pa. Grinding-machine. No. 883,163; Mar. 31; Sp. p. 5320; Dr. p. 1135; Gaz. vol. 133; p. 999.
- Ball, C. F., Richmond Hill, assignor to Ball & Jewell, Brooklyn, N. Y. Rotary cutter. No. 900,254; Oct. 6; Sp. p. 372; Dr. p. 77; Gaz. vol. 136; p. 1133.
- Ball, C. F., Richmond Hill, assignor to Ball & Jewell, Brooklyn, N. Y. Rotary cutter. No. 900,255; Oct. 6; Sp. p. 373; Dr. p. 77; Gaz. vol. 136; p. 1133.
- Ball, C. H., and J. F. Rogers, Cleveland, Ohio. Compensating mechanism for automobiles. No. 880,117; Feb. 25; Sp. p. 4590; Dr. p. 967; Gaz. vol. 132; p. 1682.
- Ball, C. W. (See Dion and Ball.)
- Ball, E. (See Hennis, M. P., assignor.)
- Ball, E., Norfolk, Va. Fireproof and protecting garment. No. 875,976; Jan. 7; Sp. p. 563; Dr. p. 121; Gaz. vol. 132; p. 99.
- Ball, F. H. (See Ball, F. O., assignor.)
- Ball, F. H., North Plainfield, N. J. Connection for electric conductors. No. 899,708; Sept. 29; Sp. p. 4872; Dr. p. 1045; Gaz. vol. 136; p. 923.
- Ball, F. O., Plainfield, N. J. Adjustable electrical resistance. No. 882,610; Mar. 24; Sp. p. 4214; Dr. p. 892; Gaz. vol. 133; p. 789.
- Ball, F. O., Plainfield, N. J. Engine. No. 907,948; Dec. 29; Sp. p. 5613; Gaz. vol. 137; p. 2024.
- Ball, F. O., North Plainfield, N. J. Engine. No. 885,132; Apr. 21; Sp. p. 3010; Dr. p. 635; Gaz. vol. 133; p. 1729.
- Ball, F. O., North Plainfield, N. J. Field-adjusting device for electric generators and motors. No. 886,109; Apr. 28; Sp. p. 5028; Dr. p. 1057; Gaz. vol. 133; p. 2075.
- Ball, F. O., assignor of one-half to F. H. Ball, Plainfield, N. J. Connection for electric conductors. No. 882,514; Mar. 17; Sp. p. 4006; Dr. p. 857; Gaz. vol. 133; p. 724.
- Ball, G. M. (See Servatius, C. M., assignor.)
- Ball, G. W., Jr., Iowa City, Iowa. Camp-stove. No. 889,187; June 2; Sp. p. 2; Dr. p. 2; Gaz. vol. 134; p. 1057.
- Ball, H. P., New York, N. Y., assignor to General Incandescent Arc Light Company. Automatic circuit-breaker. No. 897,858; Sept. 1; Sp. p. 1262; Dr. pp. 270-1; Gaz. vol. 136; p. 199.
- Ball, H. P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Music-roll and apparatus to be used in connection therewith. No. 901,275; Oct. 13; Sp. p. 2486; Dr. p. 509; Gaz. vol. 136; p. 1491.
- Ball, I. J., Brock, Nebr. Corn harvester and husker. No. 882,734; Mar. 24; Sp. p. 4457; Dr. pp. 948-9; Gaz. vol. 133; p. 829.
- Ball & Jewell. (See Ball, C. F., assignor.)
- Ball, O. V., Philadelphia, Pa. Safety-razor. No. 880,269; Feb. 25; Sp. p. 4917; Dr. p. 1041; Gaz. vol. 132; p. 1733.
- Ball, T., New Castle, Pa. Poultry crate or coop. No. 877,393; Jan. 21; Sp. p. 3499; Dr. p. 759; Gaz. vol. 132; p. 638.
- Ball, W. C., and L. N. Cobb, Cleveland, Ohio. Hair-spring stud. No. 906,366; Dec. 8; Sp. p. 2447; Gaz. vol. 137; p. 1420.
- Ball, W. R. A., St. Thomas, N. D. Box-cover holder. No. 876,514; Jan. 14; Sp. p. 1688; Dr. p. 367; Gaz. vol. 132; p. 306.
- Ballance, D. S., assignor of one-third to M. A. Ballance, Wysocking, N. C. Cotton-chopper. No. 883,610; Mar. 31; Sp. p. 6239; Dr. p. 1331; Gaz. vol. 133; p. 1143.
- Ballance, M. A. (See Ballance, D. S., assignor.)
- Ballard, F. W., assignor to Sherwin-Williams Company, Cleveland, Ohio. Can crimping and soldering machine. No. 897,337; Sept. 1; Sp. p. 173; Dr. pp. 36-8; Gaz. vol. 136; p. 26.
- Ballard, G. L., assignor to Wildman Manufacturing Company, Norristown, Pa. Needle-protector for knitting-machines. No. 875,767; Jan. 7; Sp. p. 172; Dr. p. 37; Gaz. vol. 132; p. 33.
- Ballard, G. L., assignor to Wildman Manufacturing Company, Norristown, Pa. Cam-adjusting mechanism for knitting-machines. No. 879,720; Feb. 18; Sp. p. 3764; Dr. p. 789; Gaz. vol. 132; p. 1519.
- Ballard, G. L., assignor to Wildman Manufacturing Company, Norristown, Pa. Cam-adjusting mechanism for knitting-machines. No. 891,809; June 30; Sp. p. 5355; Dr. p. 1159; Gaz. vol. 134; p. 2035.
- Ballard, H. A., Ashland, assignor, by mesne assignments, to Boylston Manufacturing Company, Boston, Mass. Lasting and tacking machine for shoes. No. 878,854; Feb. 11; Sp. p. 2013; Dr. pp. 416-17; Gaz. vol. 132; p. 1198.
- Ballard, H. M. (See Smith, H. W., assignor.)
- Ballard, J. A. (See Fossee and Ballard.)
- Ballard, M. H., Lynn, Mass. Wrapping device for oranges and other articles. No. 905,978; Dec. 8; Sp. p. 1707; Gaz. vol. 137; p. 1292.
- Ballard, M. H., Lynn, Mass. Wrapping-machine. No. 906,484; Dec. 8; Sp. p. 2654; Gaz. vol. 137; p. 1458.
- Ballard, M. H., Lynn, Mass., assignor to Tripp Fruit Wrapping Machine Co., San Francisco, Cal. Wrapping-machine. No. 889,867; June 2; Sp. p. 1317; Dr. p. 302; Gaz. vol. 134; p. 1274.
- Ballard, M. H., Lynn, Mass., assignor to Tripp Fruit Wrapping Machine Co., San Francisco, Cal. Wrapping-machine. No. 905,977; Dec. 8; Sp. p. 1695; Gaz. vol. 137; p. 1292.
- Ballard, M. H., Lynn, Mass., assignor to Tripp Fruit Wrapping Machine Co., San Francisco, Cal. Wrapping-machine. No. 906,483; Dec. 8; Sp. p. 2651; Gaz. vol. 137; p. 1458.
- Ballard, W. P., Whitesville, W. Va. Envelop. No. 895,940; Aug. 11; Sp. p. 2318; Dr. p. 494; Gaz. vol. 135; p. 1380.
- Ballenger, B., et al. (See Ballenger, D., assignor.)
- Ballenger, D., Carthage, assignor to B. Ballenger, Lamar, and J. N. Burns, W. S. Morrow, and W. P. Burns, Golden City, Mo. Tire-setter. No. 890,752; June 16; Sp. p. 3182; Dr. p. 695; Gaz. vol. 134; p. 1624.
- Ballentine, W. I., Philadelphia, Pa. Testing apparatus. No. 881,047; Mar. 3; Sp. p. 1107; Dr. p. 240; Gaz. vol. 133; p. 189.
- Balliet, H. H., Coplay, Pa. Friction-pulley. No. 882,444; Mar. 17; Sp. p. 3875; Dr. pp. 827-8; Gaz. vol. 133; p. 701.
- Ballif, D., Biel, Switzerland. Means for securing wheels on axles. No. 897,444; Sept. 1; Sp. p. 423; Dr. p. 90; Gaz. vol. 136; p. 66.
- Ballin, F. A., Portland, Oreg. Boiler. No. 883,852; Apr. 7; Sp. p. 365; Dr. p. 71; Gaz. vol. 133; p. 1250.
- Ballinger, H., Marion, Ind. Mold for posts. No. 889,091; May 26; Sp. p. 5559; Dr. p. 1181; Gaz. vol. 134; p. 992.
- Balocco, A., assignor to Itala Fabbrica di Automobili, Turin, Italy. Speed-change mechanism. No. 882,091; Mar. 17; Sp. p. 3229; Dr. p. 686; Gaz. vol. 133; p. 587.
- Balocco, A., assignor to Societe Anonyme "Itala" Fabbrica di Automobili, Turin, Italy. Steering means for automobiles. No. 900,975; Oct. 13; Sp. p. 1927; Dr. p. 392; Gaz. vol. 136; p. 1396.
- Balocco, A., assignor to Societe Anonyme "Itala" Fabbrica di Automobili, Turin, Italy. Brake mechanism. No. 901,670; Oct. 20; Sp. p. 3349; Dr. p. 686; Gaz. vol. 136; p. 1658.

Alphabetical list of patentees—Continued.

- Ballico, A., assignor to Societe Anonyme "Itala" Fabbrica di Automobili, Turin, Italy. Controlling device. No. 905,135; Dec. 1; Sp. p. 19; Gaz. vol. 137; p. 987.
- Ballou, K., Riga, Russia. Cycle-lock. No. 898,955; Sept. 15; Sp. p. 3389; Dr. p. 728; Gaz. vol. 136; p. 617.
- Ballot, J. (See Sulman, Kirkpatrick-Picard, and Ballot.)
- Ballou, E. H., Dodge City, Kans. Artificial tooth. No. 907,949; Dec. 29; Sp. p. 5614; Gaz. vol. 137; p. 2024.
- Ballou, E. H., assignor to Lorraine Manufacturing Company, Pawtucket, R. I. Loom-dobby. No. 897,568; Sept. 1; Sp. p. 674; Dr. p. 141; Gaz. vol. 136; p. 106.
- Ballou, F. A., Providence, R. I. Collar-supporter. No. 893,773; July 21; Sp. p. 2914; Dr. p. 597; Gaz. vol. 135; p. 517.
- Ballou, G. F., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 903,434; Nov. 10; Sp. p. 1785; Gaz. vol. 137; p. 325.
- Ballou, W. D., Belding, Mich. Packing-case. No. 898,169; Sept. 8; Sp. p. 1911; Dr. p. 408; Gaz. vol. 136; p. 332.
- Bally, O., Mannheim, and H. Wolf, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Nitroben-zanthrone compound and making same. No. 876,679; Jan. 14; Sp. p. 2045; Gaz. vol. 132; p. 363.
- Bally, O., Mannheim, and H. Wolf, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye and making same. No. 906,367; Dec. 8; Sp. p. 2448; Gaz. vol. 137; p. 1420.
- Bals, C. A. (See Corwin and Bals.)
- Balsinger, E. M. (See Bryan, Etheridge, and Balsinger.)
- Balson, F., Omaha, Nebr. Gun-stock. 894,101; July 21; Sp. p. 3587; Dr. p. 739; Gaz. vol. 135; p. 626.
- Balzer, A., New York, N. Y. Ear-ring. No. 893,048; July 14; Sp. p. 1348; Dr. p. 285; Gaz. vol. 135; p. 250.
- Balzer, W. F. (See Rupe and Balzer.)
- Banana Steel Crate Co. (See Ruddiman, T. H., assignor.)
- Bancroft, J. H., New York, N. Y. Hot-egg opener and holder. No. 900,908; Oct. 13; Sp. p. 1788; Dr. p. 361; Gaz. vol. 136; p. 1374.
- Bancroft, J. S. (See Dove, Bancroft, and Indahl.)
- Bancroft, J. S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Keyboard perforating-machine. No. 883,376; Mar. 31; Sp. p. 5756; Dr. pp. 1229-30; Gaz. vol. 133; p. 1069.
- Bancroft, J. S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Record-strip composing-machine. No. 883,377; Mar. 31; Sp. p. 5761; Dr. pp. 1230-1; Gaz. vol. 133; p. 1069.
- Bancroft, J. S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Type-machine. No. 883,378; Mar. 31; Sp. p. 5770; Dr. pp. 1232-3; Gaz. vol. 133; p. 1070.
- Bancroft, J. S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Type-machine. (Reissue.) No. 12,819; June 23; Sp. p. 5339; Dr. pp. 1155-6; Gaz. vol. 134; p. 2005.
- Bancroft, R. F., Tropic, Cal. Expression and feed control for piano-players, &c. No. 899,094; Sept. 22; Sp. p. 3655; Dr. p. 783; Gaz. vol. 136; p. 689.
- Band-Industrie Gesellschaft mit beschränkter Haftung. (See Mann, M., assignor.)
- Bandle, E. C., Lewistown, Ill. Cloth-crusher. No. 889,090; May 26; Sp. p. 5538; Dr. p. 1181; Gaz. vol. 134; p. 992.
- Banfill, D. P., Richmond, Mich. Music-leaf turner. No. 896,609; Aug. 18; Sp. p. 3632; Dr. pp. 780-1; Gaz. vol. 135; p. 1539.
- Bang, S. H., Copenhagen, Denmark. Device for automatic firing of self-loading arms. No. 901,143; Oct. 13; Sp. p. 2236; Dr. pp. 454-5; Gaz. vol. 136; p. 1449.
- Banger, J. E. A. (See Cromer, T. S., assignor.)
- Banjoek, J. G., Zehner, Pa. Automatic valve. No. 894,102; July 21; Sp. p. 3589; Dr. p. 739; Gaz. vol. 135; p. 626.
- Banker, A. M., Johnstown, and F. Curtin, Gloversville, N. Y. Glove-tipping machine. No. 876,129; Jan. 7; Sp. p. 869; Dr. p. 187; Gaz. vol. 132; p. 147.
- Bankers Alarm-Protection Company. (See Jacobson, O., assignor.)
- Banks, A. O., and J. J. Tatum, assignors to Maryland Railway Supply Company, Baltimore, Md. Door-hanger. No. 896,265; Aug. 18; Sp. p. 2940; Dr. p. 633; Gaz. vol. 135; p. 1428.
- Banks, J. D., Philadelphia, Pa. Hat-pin. No. 898,422; Sept. 15; Sp. p. 2386; Dr. p. 510; Gaz. vol. 136; p. 446.
- Banks Specialty Manufacturing Company. (See Hess, C. F., assignor.)
- Banner Rock Products Company. (See Booth, N., assignor.)
- Bannister, R., Birmingham, England. Milling-cutter. No. 880,773; Mar. 3; Sp. p. 577; Dr. p. 122; Gaz. vol. 133; p. 99.
- Banta, G. D., assignor of one-half to H. S. Blumenthal and F. V. Nicol, Detroit, Mich. Force-feed lubricator. No. 891,132; June 16; Sp. p. 3916; Dr. p. 857; Gaz. vol. 134; p. 1746.
- Banta, L. A., Ligonier, Ind. Refrigerator. No. 885,660; Apr. 21; Sp. p. 4088; Dr. p. 855; Gaz. vol. 133; p. 1897.
- Bantley, O. G., Lebanon, Mo. Cultivator-hoe. No. 890,551; June 9; Sp. p. 2716; Dr. p. 600; Gaz. vol. 134; p. 1524.
- Bantly, W. H., Johnstown, Pa. Combination shade and curtain bracket. No. 904,920; Nov. 24; Sp. p. 4925; Gaz. vol. 137; p. 879.
- Banwell, J., assignor of one-half to J. F. Brennan, Cleveland, Ohio. Brick-carrying device. No. 891,972; June 30; Sp. p. 5690; Dr. p. 1225; Gaz. vol. 134; p. 2090.
- Barabasz, M., Baltimore, Md. Buckle. No. 877,035; Jan. 21; Sp. p. 2791; Dr. p. 603; Gaz. vol. 132; p. 521.
- Barabasz, M., Baltimore, Md. Buckle. (Reissue.) No. 12,855; Sept. 22; Sp. p. 4424; Dr. p. 950; Gaz. vol. 136; p. 819.
- Barad, J., and E. E. Markoff, Providence, R. I. Device employed for exterminating rats, mice, and other animals. No. 883,611; Mar. 31; Sp. p. 6241; Dr. p. 1332; Gaz. vol. 133; p. 1143.
- Baranek, P. F. (See Zoldowski and Baranek.)
- Barber, A., Watsonville, Cal. Churn. No. 903,042; Nov. 3; Sp. p. 1028; Gaz. vol. 137; p. 169.
- Barber, A. H., North Adams, Mass. Chair-seat. No. 905,274; Dec. 1; Sp. p. 295; Gaz. vol. 137; p. 1034.
- Barber Asphalt Paving Company. (See Forrest, C. N., assignor.)
- Barber Asphalt Paving Company. (See Smith, F. B., assignor.)
- Barber, C. W., Red Wing, Minn. Journal-box. No. 893,598; July 21; Sp. p. 2483; Dr. p. 517; Gaz. vol. 135; p. 458.
- Barber-Colman Company. (See Colman, H. D., assignor.)
- Barber, D. T., Gustavus, Ohio. Hoof-pad. No. 903,043; Nov. 3; Sp. p. 1029; Gaz. vol. 137; p. 169.
- Barber, E. A., Watertown, N. Y. Street-car-motor mounting. No. 878,179; Feb. 4; Sp. p. 604; Dr. p. 124; Gaz. vol. 132; p. 943.
- Barber, E. A., Watertown, N. Y. Car. No. 878,180; Feb. 4; Sp. p. 605; Dr. p. 124; Gaz. vol. 132; p. 943.
- Barber, E. A., Watertown, N. Y. Single-truck car. No. 878,181; Feb. 4; Sp. p. 607; Dr. p. 125; Gaz. vol. 132; p. 944.
- Barber, E. A., Quincy, assignor to Standard Rivet Company, Boston, Mass. Spot-setting machine. No. 900,694; Oct. 13; Sp. p. 1339; Dr. pp. 273-4; Gaz. vol. 136; p. 1305.
- Barber, F., Grand Rapids, Mich. Butter-cutter. No. 876,130; Jan. 7; Sp. p. 873; Dr. p. 198; Gaz. vol. 132; p. 148.
- Barber, F. W., and I. G. French, Orange, Mass. Sash-lock. No. 894,571; July 28; Sp. p. 4580; Dr. p. 949; Gaz. vol. 135; p. 801.
- Barber, G. D., trustee. (See Fontaine, J. B., assignor.)
- Barber, G. M., Falconer, N. Y. Steam-turbine. No. 893,127; July 14; Sp. p. 1502; Dr. pp. 316-17; Gaz. vol. 135; p. 276.
- Barber, G. W., Sr., assignor of one-half to W. Blackstock, Jacksonburg, W. Va. Rotary reaction-motor. No. 888,415; May 19; Sp. p. 4175; Dr. p. 883; Gaz. vol. 134; p. 740.
- Barber, H. M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Collecting and folding machine. No. 879,721; Feb. 18; Sp. p. 3766; Dr. pp. 790-1; Gaz. vol. 132; p. 1519.
- Barber, J. C., Chicago, Ill. Roller-bearing center-plate. No. 885,133; Apr. 21; Sp. p. 3012; Dr. p. 635; Gaz. vol. 133; p. 1729.
- Barber, J. C., Chicago, Ill. Antifriction center bearing for cars. No. 901,223; Oct. 13; Sp. p. 2372; Dr. p. 485; Gaz. vol. 136; p. 1474.
- Barber, J. D., Cleveland, Ohio. Chimney. No. 902,706; Nov. 3; Sp. p. 349; Gaz. vol. 137; p. 59.
- Barber, J. W., Newton, Mass. Packing and display case. No. 898,170; Sept. 8; Sp. p. 1912; Dr. p. 408; Gaz. vol. 136; p. 332.
- Barber, L. W., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Roller center-bearing plate. No. 905,491; Dec. 1; Sp. p. 768; Gaz. vol. 137; p. 1107.
- Barber, W. J., Honeoye Falls, N. Y. Combined atomizer and powder-distributer. No. 892,703; July 7; Sp. p. 601; Dr. p. 130; Gaz. vol. 135; p. 106.
- Barbera, A. A., Philadelphia, Pa. Electric signal system. No. 897,702; Sept. 1; Sp. p. 934; Dr. p. 198; Gaz. vol. 136; p. 150.
- Barbian, F. S. (See Barnickel, F. E., assignor.)
- Barbieri, C., Chicago, Ill. Seal. No. 887,750; May 19; Sp. p. 2878; Dr. p. 606; Gaz. vol. 134; p. 523.
- Barboux, A., Mecca, Ind. Safety-brake for elevators and mine-cages. No. 901,314; Oct. 20; Sp. p. 2576; Dr. p. 530; Gaz. vol. 136; p. 1539.
- Barbour, A., Swans Island, Me. Muffler or exhaust device for marine motors. No. 890,014; June 9; Sp. p. 1633; Dr. p. 365; Gaz. vol. 134; p. 1349.
- Barbour, G. H. (See Stoddard and Barbour.)
- Barbour, W. R., Terre Haute, Ind. Metallic tire. No. 898,029; Sept. 8; Sp. p. 1638; Dr. p. 349; Gaz. vol. 136; p. 288.
- Barbrake, J. A., Canton, Ohio. Tire-wire-pulling machine. No. 881,651; Mar. 10; Sp. p. 2318; Dr. pp. 501-2; Gaz. vol. 133; p. 416.
- Barby, C. P., Sheyenne, N. D. Apparatus for shielding vehicles from dust. No. 887,908; May 19; Sp. p. 3204; Dr. p. 673; Gaz. vol. 134; p. 577.
- Barcalo Manfg. Co. (See Fallone, C., assignor.) (Reissue.)
- Barcalow, I. L., Philadelphia, Pa. Folding washbasin. No. 876,425; Jan. 14; Sp. p. 1489; Dr. p. 320; Gaz. vol. 132; p. 274.

Alphabetical list of patentees—Continued.

- Barceloux, L., St. Guillaume Station, Quebec, Canada. Track-gage. No. 883,685; Apr. 7; Sp. p. 3; Dr. p. 1; Gaz. vol. 133; p. 1195.
- Barchman, E. D., Tipton, Ind. Tufting-machine. No. 905,629; Dec. 1; Sp. p. 1036; Gaz. vol. 137; p. 1149.
- Barclay, W. R., assignor to Riegel Sack Company, Jersey City, N. J. Machine for hemming sacking and other fabrics. No. 894,718; July 28; Sp. p. 4856; Dr. pp. 1009-10; Gaz. vol. 135; p. 847.
- Barclay, C. C., and F. Hachmann, assignors to Barclay Manufacturing Co., St. Paul, Minn. Car-axle-box lid. No. 879,137; Feb. 18; Sp. p. 2568; Dr. pp. 534-5; Gaz. vol. 132; p. 1328.
- Barclay Corset Company. (See Washburn, W. F., assignor.)
- Barclay, J. C., New York, N. Y. Perforating-machine. No. 877,821; Jan. 28; Sp. p. 4335; Dr. pp. 941-3; Gaz. vol. 132; p. 796.
- Barclay, J. C., New York, N. Y. Printing-telegraph. No. 877,822; Jan. 28; Sp. p. 4341; Dr. p. 943; Gaz. vol. 132; p. 796.
- Barclay, J. C., New York, N. Y. Perforator. No. 877,823; Jan. 28; Sp. p. 4347; Dr. pp. 943-4; Gaz. vol. 132; p. 797.
- Barclay, J. C., New York, N. Y. Automatic telegraph-transmitter. No. 886,339; May 5; Sp. p. 8; Dr. p. 2; Gaz. vol. 134; p. 4.
- Barclay, J. C., New York, N. Y. Perforating-machine. No. 893,419; July 14; Sp. p. 2059; Dr. pp. 431-3; Gaz. vol. 135; p. 370.
- Barclay, J. C., New York, N. Y. Perforating-machine. No. 893,420; July 14; Sp. p. 2068; Dr. pp. 433-5; Gaz. vol. 135; p. 370.
- Barclay, J. C., assignor to Western Union Telegraph Company, New York, N. Y. Printing-telegraph. No. 886,338; May 5; Sp. p. 3; Dr. p. 1; Gaz. vol. 134; p. 3.
- Barclay Manufacturing Co. (See Barclay and Hachmann, assignors.)
- Barco Brass and Joint Company. (See Hawley, C. G., assignor.)
- Barco Brass and Joint Company. (See Silk, E. E., assignor.)
- Barcroft, H. G., and W. H. Crawford, Bradford, Pa. Pumping apparatus for oil-wells. No. 883,612; Mar. 31; Sp. p. 6243; Dr. p. 1332; Gaz. vol. 133; p. 1143.
- Bard, G. M., Chicago, Ill. Rotary engine. No. 889,188; June 2; Sp. p. 3; Dr. p. 2; Gaz. vol. 134; p. 1057.
- Bard, L. (See Nelson and Bard.)
- Bardet, G., Paris, France. Elastic wheel-tire. No. 907,307; Dec. 22; Sp. p. 4261; Gaz. vol. 137; p. 1785.
- Bardroff, W., Baltimore, Md. Blacking-brush. No. 894,103; July 21; Sp. p. 3591; Dr. p. 740; Gaz. vol. 135; p. 626.
- Bardsley, H., Providence, R. I., assignor to Crompton & Knowles Loom Works. Loom. No. 882,922; Mar. 24; Sp. p. 4842; Dr. p. 1027; Gaz. vol. 133; p. 890.
- Bardsley, H., Providence, R. I., assignor to Crompton & Knowles Loom Works. Loom pattern mechanism. No. 892,926; July 7; Sp. p. 1080; Dr. pp. 226-7; Gaz. vol. 135; p. 179.
- Bardsley, W. W., Providence, R. I. Mechanism for indicating timely action in looms. No. 907,451; Dec. 22; Sp. p. 4557; Gaz. vol. 137; p. 1834.
- Bardy, P., Paris, France. Apparatus for dispensing liquids. No. 908,194; Dec. 29; Sp. p. 6132; Gaz. vol. 137; p. 2108.
- Barekman, C. M., Vincennes, Ind. Sorghum-stripper. No. 885,314; Apr. 21; Sp. p. 3401; Dr. p. 711; Gaz. vol. 133; p. 1789.
- Barentzen, F. E., Malden, assignor to W. G. Burns, Boston, Mass. Means for producing artificial light for photographers' use. No. 897,569; Sept. 1; Sp. p. 677; Dr. p. 142; Gaz. vol. 136; p. 106.
- Barger, C. C., *et al.* (See Barger, J. P., assignor.)
- Barger, C. S., Albia, Iowa. Saw-cabinet. No. 906,368; Dec. 8; Sp. p. 2450; Gaz. vol. 137; p. 1420.
- Barger, J. P., assignor of two-thirds to C. C. Barger, Bloomburg, and E. Bains, Philadelphia, Pa. Winding attachment for looping-machines. No. 899,857; Sept. 29; Sp. p. 5218; Dr. p. 1116; Gaz. vol. 136; p. 975.
- Barhoff, F. W., assignor to United States Fiber Leather Company, Hartford, Conn. Press. No. 893,892; July 21; Sp. p. 3158; Dr. pp. 648-9; Gaz. vol. 135; p. 555.
- Bariani, J. B., Encampment, Wyo. Automatic oiling device. No. 895,532; Aug. 11; Sp. p. 1523; Dr. p. 322; Gaz. vol. 135; p. 1170.
- Barkeley, F. S., Los Angeles, Cal., assignor to California Steam Drilling Rig Company. Steam-motor for operating tools in drilling-rigs. (Reissue.) No. 12,934; Dec. 29; Sp. p. 6462; Gaz. vol. 137; p. 2194.
- Barker, A. (See Barker, J. A., and J. P.)
- Barker, B., Ann Arbor, Mich. Folding crate. No. 883,509; Mar. 31; Sp. p. 6048; Dr. p. 1291; Gaz. vol. 133; p. 1114.
- Barker, C. I. J., David City, Nebr. Rake. No. 887,054; May 12; Sp. p. 1427; Dr. p. 302; Gaz. vol. 134; p. 263.
- Barker, E., Batavia, N. Y. Gluing-clamp. No. 878,491; Feb. 11; Sp. p. 1230; Dr. pp. 254-5; Gaz. vol. 132; p. 1079.
- Barker, E., Batavia, N. Y. Clamp-bar. No. 878,492; Feb. 11; Sp. p. 1232; Dr. p. 255; Gaz. vol. 132; p. 1080.
- Barker, E., Batavia, N. Y. Gluing-clamp. No. 881,530; Mar. 10; Sp. p. 2063; Dr. p. 451; Gaz. vol. 133; p. 375.
- Barker, E. A., Bemidji, Minn. Watchmaker's pliers. No. 898,304; Sept. 8; Sp. p. 2161; Dr. p. 459; Gaz. vol. 136; p. 373.
- Barker, E. H., Philadelphia, Pa., assignor to Oil and Waste Saving Machine Company. Axle-lubricator. No. 906,675; Dec. 15; Sp. p. 3012; Gaz. vol. 137; p. 1543.
- Barker, E. T., Marshalltown, Iowa. Adjustable trap for soil-pipes. No. 883,275; Mar. 31; Sp. p. 5555; Dr. p. 1186; Gaz. vol. 133; p. 1037.
- Barker, I., assignor of one-half to W. D. Ryan, Springfield, Ill. Nut-lock. No. 878,476; Feb. 4; Sp. p. 1176; Dr. p. 239; Gaz. vol. 132; p. 1041.
- Barker, I., assignor of one-half to A. Booth, Springfield, Ill. Nut-lock. No. 884,349; Apr. 7; Sp. p. 1370; Dr. p. 293; Gaz. vol. 133; p. 1412.
- Barker, J., Philadelphia, Pa. Grate. No. 899,372; Sept. 22; Sp. p. 4202; Dr. p. 900; Gaz. vol. 136; p. 779.
- Barker, J. A., and J. P., Philadelphia, Pa. Hydraulic elevator for chairs. No. 885,564; Apr. 21; Sp. p. 3908; Dr. pp. 816-17; Gaz. vol. 133; p. 1867.
- Barker, J. A., Laurel Hill, Va. Inclined bed. No. 907,950; Dec. 29; Sp. p. 5615; Gaz. vol. 137; p. 2025.
- Barker, J. E., Great Horton, Bradford, England. Variable-speed gear. No. 885,710; Apr. 28; Sp. p. 4196; Dr. p. 878; Gaz. vol. 133; p. 1943.
- Barker, J. F., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Hydrocarbon-burner. No. 893,599; July 21; Sp. p. 2485; Dr. pp. 517-18; Gaz. vol. 135; p. 458.
- Barker, J. L. (See Mitchell and Barker.)
- Barker, J. L., Racine, Wis. Manure-spreader. No. 891,587; June 23; Sp. p. 4873; Dr. pp. 1050-1; Gaz. vol. 134; p. 1928.
- Barker, J. P. (See Barker, J. A., and J. P.)
- Barker, R. E., Lynn, Mass., assignor to General Electric Company. Controlling device for electric motors. No. 895,836; Aug. 11; Sp. p. 2131; Dr. p. 452; Gaz. vol. 135; p. 1267.
- Barker, W. J., *et al.* (See Dostal, J. F., assignor.)
- Barkhausen, C., *et al.* (See Wolf, F., assignor.)
- Barkley, H., assignor to J. D. Beck, Prattville, Ala. Dinner-pail. No. 891,588; June 23; Sp. p. 4879; Dr. p. 1051; Gaz. vol. 134; p. 1928.
- Barkley, L. M., *et al.* (See Barnett, J. B., assignor.)
- Barkley, R. W., trustee. (See Rothermel, S. W., assignor.)
- Barkmeier, H., *et al.* (See Heyenga, M. W., assignor.)
- Barkmeier, M., *et al.* (See Heyenga, M. W., assignor.)
- Barks, F. S. (See McKeen and Barks.)
- Barley, T. K., Sedalia, Mo. Combined drag and carrier-truck. No. 896,266; Aug. 18; Sp. p. 2941; Dr. p. 634; Gaz. vol. 135; p. 1428.
- Barlow, A. E. (See Berthiaume and Barlow.)
- Barlow, A. E., assignor to Wright Wire Company, Worcester, Mass. Wire-netting machine. No. 902,198; Oct. 27; Sp. p. 4446; Dr. pp. 899-900; Gaz. vol. 136; p. 1859.
- Barlow, D. A., Orange, Conn. Electric gas-lighting machine. No. 885,134; Apr. 21; Sp. p. 3013; Dr. p. 635; Gaz. vol. 133; p. 1729.
- Barlow, S. S., Chicago, Ill. Mouth-organ. No. 880,709; Mar. 3; Sp. p. 439; Dr. p. 92; Gaz. vol. 133; p. 77.
- Barmore, I., Delhi, La. Clothes-pin. No. 904,595; Nov. 24; Sp. p. 4230; Gaz. vol. 137; p. 771.
- Barmore, N. L., Chicago, Ill. Casket-handle. No. 888,776; May 26; Sp. p. 4930; Dr. pp. 1050-1; Gaz. vol. 134; p. 890.
- Barna, A., Puritan, Pa. Detaching device. No. 876,762; Jan. 14; Sp. p. 2190; Dr. p. 481; Gaz. vol. 132; p. 389.
- Barna, J. W., Chicago, Ill. Shoe-fastener. No. 884,454; Apr. 14; Sp. p. 1588; Dr. p. 343; Gaz. vol. 133; p. 1476.
- Barna, J. W., and V. Hoffman, Chicago, Ill. Hook-setting machine. No. 883,373; Mar. 31; Sp. p. 5775; Dr. pp. 1233-4; Gaz. vol. 133; p. 1070.
- Barna, J. W., and V. Hoffman, Chicago, Ill. Hook-setting machine. No. 883,510; Mar. 31; Sp. p. 6049; Dr. p. 1291; Gaz. vol. 133; p. 1114.
- Barnard, C. H. (See Clapp, G. W., assignor.)
- Barnard, D., assignor to Barnard Light and Heat Company, Los Angeles, Cal. Acetylene-gas-burner cleaner. No. 888,777; May 26; Sp. p. 4931; Dr. p. 1051; Gaz. vol. 134; p. 891.
- Barnard, F. M., Somerville, Mass. File or binder for paper-covered books, pamphlets, &c. No. 893,421; July 14; Sp. p. 2076; Dr. p. 435; Gaz. vol. 135; p. 371.
- Barnard, G. F., assignor of one-half to W. J. Henderson, Lorain, Ohio. Gas-valve. No. 906,852; Dec. 15; Sp. p. 3357; Gaz. vol. 137; p. 1599.
- Barnard and Leas Manufacturing Company. (See Cornwall, J. B., assignor.)
- Barnard Light and Heat Company. (See Barnard, D., assignor.)
- Barnard, W. E., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 897,248; Aug. 25; Sp. p. 5084; Dr. p. 1061; Gaz. vol. 135; p. 1775.
- Barnard, W. H., Merchantville, N. J. Vulcanizer. No. 892,209; June 30; Sp. p. 6137; Dr. p. 1322; Gaz. vol. 134; p. 2166.

Alphabetical list of patentees—Continued.

- Barnard, W. N., Ithaca, N. Y. Temporary binder. No. 877,478; Jan. 28; Sp. p. 3665; Dr. p. 795; Gaz. vol. 132; p. 686.
- Barnard, N. J., Chokio, Minn. Registering apparatus. No. 877,542; Jan. 28; Sp. p. 3827; Dr. pp. 827-8; Gaz. vol. 132; p. 708.
- Barndt, C. F., and W. J. Miller, Columbus, Ohio. Vehicle-seat. No. 883,778; May 26; Sp. p. 4934; Dr. p. 1051; Gaz. vol. 134; p. 891.
- Barndt, C. F., and W. R. Johnston, Columbus, Ohio. Wind-shield. No. 887,179; May 12; Sp. p. 1656; Dr. p. 352; Gaz. vol. 134; p. 804.
- Barner, J. S. (See Hines and Barner.)
- Barnes, A. G. (See Haley, T., assignor.)
- Barnes, A. J., London, England. Apparatus for deodorizing and filtering petrol spirit. No. 898,545; Sept. 15; Sp. p. 2641; Dr. p. 564; Gaz. vol. 136; p. 485.
- Barnes, A. T., Neola, Iowa. Concrete-block machine. No. 880,495; Mar. 3; Sp. p. 8; Dr. p. 2; Gaz. vol. 133; p. 4.
- Barnes, B. C. (See Tangney and Barnes.)
- Barnes, B. F., assignor to B. F. Barnes Company, Rockford, Ill. Drilling-machine. No. 887,909; May 19; Sp. p. 3205; Dr. p. 674; Gaz. vol. 134; p. 577.
- Barnes, B. L., Providence, R. I. Electrical binding-clip. No. 876,515; Jan. 14; Sp. p. 1689; Dr. p. 368; Gaz. vol. 132; p. 307.
- Barnes, C. O., Oswego, N. Y. Steering-gear for motor-vehicles. No. 903,349; Nov. 10; Sp. p. 1624; Gaz. vol. 137; p. 297.
- Barnes, C. O., assignor to Barnes Gear Company, Oswego, N. Y. Controller. No. 887,180; May 12; Sp. p. 1657; Dr. p. 352; Gaz. vol. 134; p. 304.
- Barnes, C. S. (See Fowler, Barnes, and Peters.)
- Barnes, D., and C. W. Hunt, Ossining, N. Y.; said Hunt assignor to said Barnes. Combination-tool. No. 900,144; Oct. 6; Sp. p. 150; Dr. p. 31; Gaz. vol. 136; p. 1097.
- Barnes, E., Sheffield, England. Clamp. No. 905,831; Dec. 8; Sp. p. 1426; Gaz. vol. 137; p. 1246.
- Barnes, E. A., Fort Wayne, Ind., assignor to General Electric Company. Oil-furnace. No. 900,695; Oct. 13; Sp. p. 1343; Dr. p. 274; Gaz. vol. 136; p. 1306.
- Barnes, E. D., Tarboro, N. C. Tooth-brush. No. 887,181; May 12; Sp. p. 1658; Dr. p. 352; Gaz. vol. 134; p. 305.
- Barnes, E. E., Kansas City, Mo. Rotary explosive-engine. No. 885,006; Apr. 21; Sp. p. 2725; Dr. pp. 578-9; Gaz. vol. 133; p. 1687.
- Barnes, E. M. (See Luttrell, J. D., assignor.)
- Barnes, E. P. (See Gerdon, L. W., assignor.)
- Barnes, E. S., G. T. Williams, and C. B. Reynolds, Seattle, Wash. Means for securing artificial dentures. No. 898,546; Sept. 15; Sp. p. 2642; Dr. p. 565; Gaz. vol. 136; p. 485.
- Barnes, F. C., Fremont, Ohio. Syringe. No. 880,496; Mar. 3; Sp. p. 10; Dr. p. 2; Gaz. vol. 133; p. 4.
- Barnes, F. S., Suffern, N. Y. Bottle. No. 885,661; Apr. 21; Sp. p. 4089; Dr. p. 855; Gaz. vol. 133; p. 1897.
- Barnes, F. S., Suffern, N. Y. Non-refillable-bottle stopper. No. 890,399; June 9; Sp. p. 2430; Dr. p. 537; Gaz. vol. 134; p. 1475.
- Barnes, F. W., assignor to Eastman Kodak Company, Rochester, N. Y. Box and shipping package. No. 903,161; Nov. 10; Sp. p. 1247; Gaz. vol. 137; p. 236.
- Barnes, F. W., and M. B. Punnett, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic developing apparatus. No. 887,055; May 12; Sp. p. 1429; Dr. p. 302; Gaz. vol. 134; p. 264.
- Barnes Gear Company. (See Barnes, C. O., assignor.)
- Barnes, H. B., Leadville, Colo. Tool for electric wires. No. 878,493; Feb. 11; Sp. p. 1233; Dr. p. 255; Gaz. vol. 132; p. 1080.
- Barnes, H. C., *et al.* (See Marsellis, F., assignor.)
- Barnes, J., Portvue, Pa., assignor of two-thirds to H. Woods and C. Zimmerman, Steubenville, Ohio. Water-cooled reversing-valve. No. 886,285; Apr. 28; Sp. p. 5355; Dr. p. 1126; Gaz. vol. 133; p. 2134.
- Barnes, J. B., Fort Wayne, Ind. Vehicle-wheel. No. 905,832; Dec. 8; Sp. p. 1429; Dr. p. 127; p. 1247.
- Barnes, J. C., assignor of fifty-one one-hundredths to B. F. Lare, Philadelphia, Pa. Rotary engine. No. 889,092; May 26; Sp. p. 5560; Dr. p. 1182; Gaz. vol. 134; p. 992.
- Barnes, J. M., Idaho Springs, assignor, by mesne assignments, to Barnes Mining, Milling and Machinery Company, Denver, Colo. Amalgamator. No. 879,999; Feb. 25; Sp. p. 4360; Dr. p. 914; Gaz. vol. 132; p. 1644.
- Barnes, J. S., assignor to W. F. & John Barnes Company, Rockford, Ill. Gearing. No. 889,868; June 2; Sp. p. 1321; Dr. p. 302; Gaz. vol. 134; p. 1275.
- Barnes, J. S., assignor of two-thirds to E. W. Trogon and Forest Furniture Company, North Wilkesboro N. C. Woodworking-machine. No. 889,428; June 2; Sp. p. 471; Dr. pp. 112-13; Gaz. vol. 134; p. 1134.
- Barnes, J. W. (See Stokes and Ensor, assignors.)
- Barnes, M. A., Elmira, N. Y. Spraying-nozzle. No. 887,302; May 12; Sp. p. 1969; Dr. p. 413; Gaz. vol. 134; p. 346.
- Barnes Mining, Milling and Machinery Company. (See Barnes, J. M., assignor.)
- Barnes, N. E., Willis, Tex. Hot-box cooler and offer. No. 899,939; Sept. 29; Sp. p. 5385; Dr. p. 1149; Gaz. vol. 136; p. 1000.
- Barnes, R. A., Baltimore, and C. H. White, Sparrows Point, Md. Belt-buckle. No. 887,453; May 12; Sp. p. 2287; Dr. p. 480; Gaz. vol. 134; p. 396.
- Barnes R. P., Schenectady, N. Y. Electrically-controlled releasing device. No. 876,036; Jan. 7; Sp. p. 677; Dr. p. 145; Gaz. vol. 132; p. 117.
- Barnes, T., Tulip, Mo. Load-binder. No. 878,034; Feb. 4; Sp. p. 295; Dr. p. 62; Gaz. vol. 132; p. 896.
- Barnes, W. C., Latrobe, Pa. Wrench. No. 892,210; June 30; Sp. p. 6139; Dr. p. 1322; Gaz. vol. 134; p. 2166.
- Barnes, W. G., Wilson, N. C. Display-rack. No. 882,367; Mar. 17; Sp. p. 3751; Dr. p. 798; Gaz. vol. 133; p. 676.
- Barnes, W. H., Homewood, Miss. Surgical instrument. No. 900,343; Oct. 6; Sp. p. 571; Dr. p. 118; Gaz. vol. 136; p. 1162.
- Barnett, C. R. (See Patten and Barnett.)
- Barnett, D. T., Cincinnati, Ohio. Sand-valve mechanism. No. 896,968; Aug. 25; Sp. p. 4428; Dr. p. 946; Gaz. vol. 135; p. 1680.
- Barnett, G. W., Louise, Tex. Conveyor-bucket. No. 894,572; July 28; Sp. p. 4581; Dr. p. 949; Gaz. vol. 135; p. 801.
- Barnett, J. B., assignor of two-thirds to L. M. Barkley and J. W. Davis, Fort Worth, Tex. Portable hitching-block. No. 887,026; May 5; Sp. p. 1367; Dr. p. 290; Gaz. vol. 134; p. 227.
- Barnett, J. S., Dallas, Tex. Cotton-chopper. No. 885,315; Apr. 21; Sp. p. 3404; Dr. p. 711; Gaz. vol. 133; p. 1790.
- Barnett, M. J., San Francisco, Cal., assignor, by mesne assignments, to Whitson Autopress Company. Mechanism for raising and lowering platens of printing-presses. No. 883,853; Apr. 7; Sp. p. 368; Dr. p. 71; Gaz. vol. 133; p. 1250.
- Barnett, O. R. (See Bryan, S. R., assignor.) (Reissue.)
- Barnett, O. R. (See Downey, R. F., assignor.)
- Barnett, O. R. (See Scott, J. M., assignor.)
- Barnett, S., Puyallup, Wash. Metallic packing. No. 894,791; July 28; Sp. p. 4992; Dr. p. 1042; Gaz. vol. 135; p. 871.
- Barnett, S., Tipton, R. Hadlington and S. Hinton, West Bromwich, England. Continuous brick-kiln. No. 879,354; Feb. 18; Sp. p. 2975; Dr. p. 621; Gaz. vol. 132; p. 1399.
- Barnett, S. D., Newark, N. J. Train-service coupling. No. 876,929; Jan. 21; Sp. p. 2539; Dr. pp. 555-6; Gaz. vol. 132; p. 482.
- Barnett, S. D., Newark, N. J. Hose or pipe coupling. No. 881,369; Mar. 10; Sp. p. 1761; Dr. pp. 380-1; Gaz. vol. 133; p. 324.
- Barnett, W. J., Jr. (See Crouse and Barnett.)
- Barnett, W. O., Americus, Ga. Back-band and hook attachment therefor. No. 901,060; Oct. 13; Sp. p. 2089; Dr. p. 425; Gaz. vol. 136; p. 1424.
- Barney, A., *et al.* (See Barney, D., assignor.)
- Barney & Berry. (See Dodge, W. P., assignor.)
- Barney, D., Golden, Mont. Stacker. No. 892,023; June 30; Sp. p. 5770; Dr. p. 1282; Gaz. vol. 134; p. 2104.
- Barney, D., assignor of two-thirds to A. Barney, Golden, and C. E. Christopherson, Joliet, Mont. Beet-loader. No. 891,973; June 30; Sp. p. 5692; Dr. pp. 1225-6; Gaz. vol. 134; p. 2090.
- Barney, E. E., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 891,453; June 23; Sp. p. 4591; Dr. p. 998; Gaz. vol. 134; p. 1885.
- Barney, E. E., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 893,422; July 14; Sp. p. 2077; Dr. p. 436; Gaz. vol. 135; p. 371.
- Barney, E. E., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 904,669; Nov. 24; Sp. p. 4383; Gaz. vol. 137; p. 796.
- Barney, E. E., Syracuse, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 902,519; Oct. 27; Sp. p. 5153; Dr. p. 1044; Gaz. vol. 136; p. 1968.
- Barney, E. E., Groton, N. Y., assignor to Union Typewriter Company. Type-writing machine. No. 896,680; Aug. 18; Sp. p. 3770; Dr. pp. 814-16; Gaz. vol. 135; p. 1559.
- Barney, E. E., and H. H. Steele, assignors to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 896,791; Aug. 25; Sp. p. 4023; Dr. p. 866; Gaz. vol. 135; p. 1621.
- Barney, E. H., Springfield, Mass. Course-marker. No. 889,293; June 2; Sp. p. 201; Dr. p. 50; Gaz. vol. 134; p. 1090.
- Barney, F. P., Chartley, assignor of one-half to C. D. Lyons, Mansfield, Mass. Separable cuff link-button. No. 885,135; Apr. 21; Sp. p. 3014; Dr. p. 636; Gaz. vol. 133; p. 1729.
- Barney, F. P., Chartley, assignor of one-half to C. D. Lyons, Mansfield, Mass. Jewelry. No. 888,056; May 19; Sp. p. 3478; Dr. p. 729; Gaz. vol. 134; p. 624.

Alphabetical list of patentees—Continued.

- Barney, F. P., Chartley, assignor of one-half to C. D. Lyons, Mansfield, Mass. Bracelet and neck-chain. No. 888,057; May 19; Sp. p. 3480; Dr. p. 729; Gaz. vol. 134; p. 624.
- Barney and Smith Car Company. (See Tesseyman, H., assignor.)
- Barngrover, F., Newton, Iowa. Balanced valve for steam-engines. No. 905,275; Dec. 1; Sp. p. 297; Gaz. vol. 137; p. 1034.
- Barngrover, F., Newton, Iowa. Steam-balanced slide-valve. No. 907,308; Dec. 22; Sp. p. 4262; Gaz. vol. 137; p. 1785.
- Barngrover, F., Packwood, and E. A. Eustice, Newton, Iowa. Balanced slide-valve. No. 907,117; Dec. 22; Sp. p. 3567; Gaz. vol. 137; p. 1719.
- Barnhart, C. K. (See Wilson and Barnhart.)
- Barnhart, J. C., Akron, Ohio. Swinging chair. No. 898,305; Sept. 8; Sp. p. 2162; Dr. p. 459; Gaz. vol. 136; p. 373.
- Barnhart, J. H., Empire, Ohio. Rail-joint. No. 885,423; Apr. 21; Sp. p. 3613; Dr. p. 758; Gaz. vol. 133; p. 1824.
- Barnickle, F. E., assignor to F. S. Barbian, Rochester, N. H. Reclining attachment for chairs. No. 900,077; Oct. 6; Sp. p. 9; Dr. p. 2; Gaz. vol. 136; p. 1076.
- Barnish, O., assignor of one-half to J. M. Newell, Springfield, Mass. Railway block system. No. 881,766; Mar. 10; Sp. p. 2524; Dr. pp. 543-4; Gaz. vol. 133; p. 450.
- Barnstead, C. G. (See Hysore and Barnstead.)
- Barnum, C. E., deceased, Omaha, Nebr.; G. C. Swiler, executor. Railway-tie. No. 894,360; July 28; Sp. p. 4149; Dr. p. 857; Gaz. vol. 135; p. 731.
- Barnum, G. H., Goldfield, Nev. Trunk-rope. No. 906,853; Dec. 15; Sp. p. 3359; Gaz. vol. 137; p. 1600.
- Barnum, T. E., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. System for controlling the operation of electric motors. No. 873,855; Feb. 11; Sp. p. 2016; Dr. p. 417; Gaz. vol. 132; p. 1198.
- Barnum, T. E., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. No. 883,078; Mar. 24; Sp. p. 5128; Dr. pp. 1094-5; Gaz. vol. 133; p. 941.
- Barnum, T. E., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Alternating-current magnet. No. 905,136; Dec. 1; Sp. p. 20; Gaz. vol. 137; p. 987.
- Barnum, T. E., assignor to Cutler-Hammer Manufacturing Company, Milwaukee Wis. Electromagnetic switch. No. 905,782; Dec. 1; Sp. p. 1320; Gaz. vol. 137; p. 1200.
- Barnum, T. E., and H. H. Cutler, assignors to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. No. 884,002; Apr. 7; Sp. p. 676; Dr. p. 136; Gaz. vol. 133; p. 100.
- Baron, F. (See Jourdanet, Billet, and Baron.)
- Barr, C., Chicago, Ill. Self-closing faucet or valve for lavatories or other fixtures. No. 907,951; Dec. 29; Sp. p. 5617; Gaz. vol. 137; p. 2025.
- Barr, C. L. (See Himmelsbach, J. G., assignor.)
- Barr, G. T., Waco, Tex. Buttonhole cutter or shears. No. 881,890; Mar. 17; Sp. p. 2815; Dr. p. 601; Gaz. vol. 133; p. 521.
- Barr, G. T., Waco, Tex. Wrench. No. 892,497; July 7; Sp. p. 215; Dr. p. 45; Gaz. vol. 135; p. 40.
- Barr, J., Allentown, and W. J. Montz, Ormrod, Pa. Grinding-mill. No. 893,893; July 21; Sp. p. 3100; Dr. p. 650; Gaz. vol. 135; p. 556.
- Barr, J. H. (See Brown and Barr.)
- Barr, J. M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 888,456; May 26; Sp. p. 4262; Dr. p. 902; Gaz. vol. 134; p. 783.
- Barr, J. R. (See Caldwell and Barr.)
- Barr, J. T., Apollo, Pa. Nut-lock. No. 887,574; May 12; Sp. p. 2531; Dr. p. 533; Gaz. vol. 134; p. 436.
- Barr, S. U., New York, N. Y. Window. No. 879,832; Feb. 18; Sp. p. 3989; Dr. p. 835; Gaz. vol. 132; p. 1556.
- Barr, S. U., New York, N. Y. Window. No. 891,133; June 16; Sp. p. 3919; Dr. p. 858; Gaz. vol. 134; p. 1747.
- Barr, S. U., New York, N. Y. Window. No. 897,703; Sept. 1; Sp. p. 937; Dr. p. 199; Gaz. vol. 136; p. 150.
- Barr, S. U., assignor to Wm. H. Jackson Company, New York, N. Y. Hanger for edgewise-movable doors. No. 885,970; Apr. 28; Sp. p. 4753; Dr. pp. 998-9; Gaz. vol. 133; p. 2032.
- Barr, W. J., Cleveland, Ohio. Electric sad-iron. No. 876,253; Jan. 7; Sp. p. 1094; Dr. p. 238; Gaz. vol. 132; p. 186.
- Barrath, E., assignor of one-third to O. F. Newman, New York, N. Y. Camera attachment. No. 877,283; Jan. 21; Sp. p. 3293; Dr. p. 713; Gaz. vol. 132; p. 603.
- Barrell, H. O., Reading, Pa. Flue-cleaner. No. 880,855; Mar. 3; Sp. p. 756; Dr. p. 160; Gaz. vol. 133; p. 128.
- Barrett, C. (See Sullivan, R. H., assignor.)
- Barrett, E. E., La Grange, Ill. Loading and unloading apparatus. No. 899,095; Sept. 22; Sp. p. 3658; Dr. pp. 783-4; Gaz. vol. 136; p. 690.
- Barrett, E. E., La Grange, Ill. Automatic hoisting device. No. 901,943; Oct. 27; Sp. p. 3922; Dr. pp. 799-800; Gaz. vol. 136; p. 1778.
- Barrett, E. H., Dunlap, Iowa. Rotary engine. No. 876,763; Jan. 14; Sp. p. 2191; Dr. pp. 481-2; Gaz. vol. 132; p. 389.
- Barrett, G. J., assignor to Smith Premier Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 902,131; Oct. 27; Sp. p. 4307; Dr. p. 873; Gaz. vol. 136; p. 1838.
- Barrett, H. G., Chicago, Ill., assignor by mesne assignments, to W. H. Cowles, Spokane, Wash. Printing-press. No. 881,288; Mar. 10; Sp. p. 1599; Dr. pp. 342-3; Gaz. vol. 133; p. 299.
- Barrett, H. G., Wilmette, assignor to J. H. Lee, Oak Park, Ill. Billiard and other game table. No. 889,843; June 2; Sp. p. 1266; Dr. p. 292; Gaz. vol. 134; p. 1266.
- Barrett, H. N., Baybridge, assignor to Medusa Concrete Waterproofing Company, Sandusky, Ohio. Manufacture of insolublelime salts of fatty acids. No. 898,547; Sept. 15; Sp. p. 2644; Gaz. vol. 136; p. 45.
- Barrett, H. N., Hope, N. D., and E. D. Wallace, Minneapolis, Minn. Attachment for graders. No. 897,955; Sept. 8; Sp. p. 1485; Dr. p. 316; Gaz. vol. 136; p. 264.
- Barrett, J. B., Niagara Falls, N. Y. Steam cooking-range. No. 878,449; Feb. 4; Sp. p. 1109; Dr. p. 227; Gaz. vol. 132; p. 1031.
- Barrett, J. E., assignor of two-thirds to H. J. Ferrell and J. H. Connor, Detroit, Mich. Power-transmission device. No. 889,889; June 9; Sp. p. 1381; Dr. p. 313; Gaz. vol. 134; p. 1306.
- Barrett, J. H. (See Reagan, H. C., assignor.)
- Barrett, J. R., Chicago, Ill. Binder. No. 903,947; Nov. 17; Sp. p. 2876; Gaz. vol. 137; p. 525.
- Barrett, L. M. (See Barrett, R. S., assignor.)
- Barrett, L. M. (See Burgess, J. C., assignor.)
- Barrett, R. S., assignor to L. M. Barrett, Indianapolis, Ind. Wrench. No. 902,799; Nov. 3; Sp. p. 514; Gaz. vol. 137; p. 90.
- Barrett, W., Waltham, Mass. Exerciser. No. 886,032; Apr. 28; Sp. p. 4895; Dr. p. 1029; Gaz. vol. 133; p. 2051.
- Barrett, W. F., Chicago, Ill. Fountain-pen. No. 888,955; May 26; Sp. p. 5322; Dr. p. 1129; Gaz. vol. 134; p. 950.
- Barrett, W. W. (See Frysinger and Barrett.)
- Barri, J. G., assignor of two-thirds to M. A. King and C. G. Houston, Denver, Colo. Lawn-mower. No. 875,977; Jan. 7; Sp. p. 566; Dr. pp. 121-2; Gaz. vol. 132; p. 99.
- Barrick, D. L. (See Whitmore, C. J., assignor.)
- Barricklow, J. E. See Dwiggins, A. P., assignor.)
- Barrie, A. (See Harrington and Barrie.)
- Barrie, R. C., Philadelphia, Pa. Automatic pneumatic-tire inflater. No. 897,811; Sept. 1; Sp. p. 1159; Dr. p. 247; Gaz. vol. 136; p. 184.
- Barrie, W. E. (See Ogle and Barrie.)
- Barrier, M. G., Shawnee, Okla. Painting apparatus. No. 880,351; Feb. 25; Sp. p. 5062; Dr. p. 1069; Gaz. vol. 132; p. 1759.
- Barringer, L. E., Schenectady, N. Y., assignor to General Electric Company. Resistance unit. No. 882,990; Mar. 24; Sp. p. 4969; Dr. p. 1057; Gaz. vol. 133; p. 913.
- Barringer, L. E., Schenectady, N. Y., assignor to General Electric Company. Molded resistance. No. 902,048; Oct. 27; Sp. p. 4151; Gaz. vol. 136; p. 1812.
- Barrios, F., Bejucal, Cuba. Composition for removing incrustations from boilers. No. 893,894; July 21; Sp. p. 3161; Gaz. vol. 135; p. 556.
- Barron, G. F., Palmyra, N. Y. Faucet. No. 892,641; July 7; Sp. p. 484; Dr. p. 103; Gaz. vol. 135; p. 86.
- Barron, W. F., Jacksonburg, W. Va. Pipe-gripper. No. 886,171; Apr. 28; Sp. p. 5141; Dr. p. 1081; Gaz. vol. 133; p. 2094.
- Barron, W. F., Jacksonburg, W. Va. Nut-lock. No. 899,940; Sept. 29; Sp. p. 5386; Dr. p. 1149; Gaz. vol. 136; p. 1000.
- Barron, W. J., New York, assignor to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 893,971; July 21; Sp. p. 3323; Dr. p. 682; Gaz. vol. 135; p. 582.
- Barron, W. J., New York, assignor to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 904,171; Nov. 17; Sp. p. 3339; Gaz. vol. 137; p. 602.
- Barrott, W., De Beque, Colo. Baggage-roper. No. 891,974; June 30; Sp. p. 5695; Dr. p. 1226; Gaz. vol. 134; p. 2090.
- Barrott, W., De Beque, Colo. Ratchet-lock for screw joints of well-drilling tools. No. 903,435; Nov. 10; Sp. p. 1787; Gaz. vol. 137; p. 325.
- Barrow, E. (See Moore and Barrow.)
- Barrow, R. B., Red Level, Ala. Stump-puller. No. 888,296; May 19; Sp. p. 3930; Dr. p. 827; Gaz. vol. 134; p. 702.
- Barrows, D. S., assignor to Insley Iron Works, Indianapolis, Ind. Dumping-bucket. No. 890,594; June 16; Sp. p. 2823; Dr. p. 622; Gaz. vol. 134; p. 1570.
- Barry, C. E., Schenectady, N. Y., assignor to General Electric Company. Regulation of dynamo-electric machines. No. 884,555; Apr. 14; Sp. p. 1794; Dr. p. 386; Gaz. vol. 133; p. 1509.
- Barry, C. F., Warren, N. H. Ice-cream freezer. No. 896,077; Aug. 18; Sp. p. 2600; Dr. p. 563; Gaz. vol. 135; p. 1368.
- Barry Chocolate Co. (See Schopf, A. B., assignor.)

Alphabetical list of patentees—Continued.

- Barry, D. K., Newport, N. H. Model or guide wheel for lathes. No. 877,979; Feb. 4; Sp. p. 162; Dr. p. 37; Gaz. vol. 132; p. 877.
- Barry, H., Chicago, Ill. Milk-top extractor. No. 893,697; July 21; Sp. p. 2671; Dr. p. 560; Gaz. vol. 135; p. 491.
- Barry, H. A. L., Westminster, London, England. Means for dumping or discharging materials from buckets. No. 891,656; June 23; Sp. p. 5033; Dr. pp. 1084-5; Gaz. vol. 134; p. 1952.
- Barry, H. P., Waihi, New Zealand. Honeycomb lining for tube-mills and similar grinding and crushing machines. No. 887,575; May 12; Sp. p. 2532; Dr. pp. 533-4; Gaz. vol. 134; p. 437.
- Barry, J. F. (See Roman and Barry.)
- Barry, J. M. (See Gill and Barry.)
- Barry, J. M., *et al.* (See Gill and Barry, assignors.)
- Barry, L. H., Durango, Mexico. Vehicle-wheel. No. 895,941; Aug. 11; Sp. p. 2319; Dr. p. 494; Gaz. vol. 135; p. 1300.
- Barry, M. H. (See Lowe, F., assignor.)
- Barry, N., Jr., Muscatine, Iowa. Button-blank-cutting machine. No. 897,187; Aug. 25; Sp. p. 4850; Dr. pp. 1031-2; Gaz. vol. 135; p. 1750.
- Barry, R. J. (See Muler, Driscoll, and Barry.)
- Barry, T. D. (See Hadsell, D. H., assignor.)
- Barry, W., Oswego, N. Y. Mail-distributing apparatus. No. 908,195; Dec. 29; Sp. p. 6135; Gaz. vol. 137; p. 2108.
- Barry, W., Oswego, N. Y. Mail-distributing apparatus. No. 908,377; Dec. 29; Sp. p. 6521; Gaz. vol. 137; p. 2170.
- Barry, W. M., assignor to J. G. Nicklaus, Rochester, N. Y. Clock-case. No. 891,134; June 16; Sp. p. 3922; Dr. p. 858; Gaz. vol. 134; p. 1747.
- Bartel, W. P., Waltham, and S. E. Taft, South Framingham, Mass., assignors to American Lacing Hook Co. Hook-separating mechanism. No. 881,172; Mar. 10; Sp. p. 1353; Dr. pp. 291-2; Gaz. vol. 133; p. 260.
- Bartelme, M. M., administratrix. (See Raymond, A.)
- Bartels, A., Yonkers, N. Y. Carpenter's combination-tool. No. 897,867; Sept. 8; Sp. p. 1231; Dr. p. 274; Gaz. vol. 136; p. 234.
- Bartels, A., assignor of one-half to R. Hug, Los Angeles, Cal. Magnetic operating means for camera-shutters. No. 900,344; Oct. 6; Sp. p. 572; Dr. p. 118; Gaz. vol. 136; p. 1162.
- Bartels, Dierichs & Co. Gesellschaft mit beschränkter Haftung. (See Meyer, F., assignor.)
- Bartelt, F. L., Bristol, England. Apparatus for washing linen. No. 904,828; Nov. 24; Sp. p. 4738; Gaz. vol. 137; p. 850.
- Bartelt, F. L., Brislington, Bristol, England. Washing or disinfecting fibrous materials. No. 906,091; Dec. 8; Sp. p. 1923; Gaz. vol. 137; p. 1329.
- Barth, A., and J. L. Sauter, said Sauter assignor to J. F. Prehn, Syracuse, N. Y. Rotary fan. No. 888,575; May 26; Sp. p. 4509; Dr. p. 955; Gaz. vol. 134; p. 825.
- Barth, C. L. (See Wagner, G. J., assignor.)
- Barth Elevator Company. (See Dillon, J., assignor.)
- Barth, F. W. (See Thomas, J. C., assignor.)
- Barth, W. H., *et al.* (See Ridout, J. B., assignor.)
- Barthel, G., Dresden, Germany. Bunsen burner. No. 882,611; Mar. 24; Sp. p. 4215; Dr. p. 893; Gaz. vol. 133; p. 789.
- Barthol, P. P., St. Paul, Minn., assignor, by mesne assignments, to American Turning & Sewing Machine Company. Machine for making tabs. No. 887,056; May 12; Sp. p. 1431; Dr. pp. 303-4; Gaz. vol. 134; p. 264.
- Barthold, F., assignor to Vilter Manufacturing Company, Milwaukee, Wis. Corking-machine. No. 882,612; Mar. 24; Sp. p. 4217; Dr. pp. 893-4; Gaz. vol. 133; p. 789.
- Barthold, F., assignor to Vilter Manufacturing Company, Milwaukee, Wis. Corking-machine. No. 882,663; Mar. 24; Sp. p. 4318; Dr. pp. 917-18; Gaz. vol. 133; p. 806.
- Barthold, G., Jr., Steubenville, Ohio. Lubricator for vehicles. No. 890,400; June 9; Sp. p. 2432; Dr. p. 537; Gaz. vol. 134; p. 1475.
- Bartholomai, C., W. G. Stockham, and G. R. Deming, Piqua, Ohio. Ladle-dauber. No. 893,424; July 14; Sp. p. 2083; Dr. p. 437; Gaz. vol. 135; p. 372.
- Bartholomäus, R., Dresden, Germany. Die-stock. No. 898,956; Sept. 15; Sp. p. 3391; Dr. p. 728; Gaz. vol. 136; p. 617.
- Bartholomew, J. P., Roxbury, Mass. Ratchet screw-driver. No. 876,690; Jan. 14; Sp. p. 2047; Dr. p. 446; Gaz. vol. 132; p. 363.
- Bartholomew, B. E., Tennant, Iowa. Hen's nest. No. 905,630; Dec. 1; Sp. p. 1040; Gaz. vol. 137; p. 1150.
- Bartholomew Company. (See Stutsman, R. O., assignor.)
- Bartholomew, E. E., Cleveland, Ohio, assignor to Single Stave Barrel Company, Boston, Mass. Barrel. No. 896,681; Aug. 18; Sp. p. 3778; Dr. p. 816; Gaz. vol. 135; p. 1560.
- Bartholomew, H. G., and H. M. Bussy, London, England. Apparatus for the production of process printing-plates. No. 899,019; Sept. 22; Sp. p. 3523; Dr. p. 754; Gaz. vol. 136; p. 666.
- Bartholomew, J. B., Peoria, Ill., assignor to Avery Manufacturing Company. Traction-engine. No. 887,303; May 12; Sp. p. 1970; Dr. p. 414; Gaz. vol. 134; p. 346.
- Bartholomew, J. P., Bristol, assignor to Stanley Rule & Level Company, New Britain, Conn. Bit-brace. No. 904,501; Nov. 24; Sp. p. 4052; Gaz. vol. 137; p. 739.
- Bartholomew, M. (See Megson and Sculthorpe, assignors.)
- Bartholomew, P. L., Aurora, Ill. Gripping and folding device for paper-bag-manufacturing machines. No. 875,884; Jan. 7; Sp. p. 383; Dr. p. 84; Gaz. vol. 132; p. 71.
- Bartholomew, W., Chicago, Ill., assignor to Troy Laundry Machinery Company, Limited, Troy, N. Y. Dampening attachment for dry-room conveyers. No. 877,824; Jan. 28; Sp. p. 4352; Dr. p. 945; Gaz. vol. 132; p. 797.
- Bartholomew, W., Chicago, Ill., assignor to Troy Laundry Machinery Company, Limited, Troy, N. Y. Circulating washing-machine. No. 888,576; May 26; Sp. p. 4509; Dr. p. 956; Gaz. vol. 134; p. 826.
- Bartholomew, W., assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Collar-tipper. No. 904,398; Nov. 17; Sp. p. 3804; Gaz. vol. 137; p. 678.
- Bartholomew, W. H., East Orange, N. J., assignor to C. B. Hill, trustee, Montgomery, N. Y. Distilling apparatus. No. 879,236; Feb. 18; Sp. p. 2751; Dr. pp. 575-6; Gaz. vol. 132; p. 1361.
- Bartholomew, W. H., East Orange, N. J., assignor to C. B. Hill, trustee, Montgomery, N. Y. Feed-water regulator. No. 898,625; Sept. 15; Sp. p. 2789; Dr. p. 596; Gaz. vol. 136; p. 510.
- Bartleson, J. (See Douglas and Bartleson.)
- Bartlett, A. C., Yerranderie, New South Wales, Australia. Dust-collector. No. 895,228; Aug. 4; Sp. p. 903; Dr. p. 190; Gaz. vol. 135; p. 1046.
- Bartlett, A. J., assignor of one-half to G. T. O'Leary, Shelbyville, Ky. Frost-calk for horseshoes. No. 895,533; Aug. 11; Sp. p. 1525; Dr. p. 322; Gaz. vol. 135; p. 1170.
- Bartlett, E. G., Eureka, Cal. Apparatus for raising sunken ships. No. 907,952; Dec. 29; Sp. p. 5619; Gaz. vol. 137; p. 2025.
- Bartlett, G. H., San Francisco, Cal. Heater. No. 882,229; Mar. 17; Sp. p. 3483; Dr. p. 740; Gaz. vol. 133; p. 629.
- Bartlett, G. M., Ann Arbor, Mich. Flexible shaft-coupling. No. 898,423; Sept. 15; Sp. p. 2387; Dr. p. 510; Gaz. vol. 136; p. 446.
- Bartlett, K. W., Chicago, Ill. Water-softening apparatus. No. 885,828; Apr. 28; Sp. p. 4447; Dr. p. 934; Gaz. vol. 133; p. 1983.
- Bartlett, M. J., assignor to J. Silverman, Chicago, Ill. Wire-rod-bending machine. No. 898,424; Sept. 15; Sp. p. 2388; Dr. pp. 510-12; Gaz. vol. 136; p. 446.
- Barto, F. M., Santa Ana, Cal. Lumber-guide mechanism. No. 893,895; July 21; Sp. p. 3162; Dr. p. 650; Gaz. vol. 135; p. 556.
- Barton, C. J., Big Rapids, Mich. Gas-mantle support. No. 898,957; Sept. 15; Sp. p. 3392; Dr. p. 728; Gaz. vol. 136; p. 618.
- Barton, E., assignor to Dexter, Lambert & Company, Paterson, N. J. Reel for sectional skeining. No. 893,896; July 21; Sp. p. 3162; Dr. p. 650; Gaz. vol. 135; p. 556.
- Barton, E. L., Bloomsburg, Pa. Railway-cross-tie lift. No. 899,373; Sept. 22; Sp. p. 4203; Dr. p. 900; Gaz. vol. 136; p. 780.
- Barton, J. H., Brownsville, Tenn. Sish-lock. No. 879,078; Feb. 11; Sp. p. 2425; Dr. p. 508; Gaz. vol. 132; p. 1267.
- Barton, L. E., Sr., Ravenna, Ohio. Railroad-tie and rail-fastener. No. 905,276; Dec. 1; Sp. p. 298; Gaz. vol. 137; p. 1035.
- Barton, T. (See McGhie, T. B., assignor.)
- Barton, T. E., Washington, D. C. Handle and fastener for fuel and other boxes. No. 884,003; Apr. 7; Sp. p. 680; Dr. p. 136; Gaz. vol. 133; p. 1300.
- Bartosik, J., and P. Krummel, Pittsburg, Pa. Reversible and variable-speed power-transmitting device. No. 880,856; Mar. 3; Sp. p. 756; Dr. p. 160; Gaz. vol. 133; p. 128.
- Bartram, E. S., assignor of one-half to J. M. Baker, Selma, Ala. Drawers. No. 899,500; Sept. 29; Sp. p. 4446; Dr. p. 954; Gaz. vol. 136; p. 857.
- Bartram, W. B., Danbury, Conn. Coin-controlled machine for measuring the heights of persons. No. 887,994; May 19; Sp. p. 3367; Dr. p. 707; Gaz. vol. 134; p. 605.
- Bartran, D. W., Carson, La. Shoulder-pad. No. 890,753; June 16; Sp. p. 3184; Dr. p. 696; Gaz. vol. 134; p. 1625.
- Bartrum, C. W., assignor to Sweet, Orr & Company, Newburgh, N. Y. Apron. No. 897,445; Sept. 1; Sp. p. 423; Dr. p. 90; Gaz. vol. 136; p. 66.
- Baruch, A., Hamburg, Germany. Folding-machine. No. 896,509; Aug. 18; Sp. p. 3454; Dr. p. 743; Gaz. vol. 135; p. 1507.
- Baruch, A., Hamburg, Germany. Receptacle for holding and delivering singly paper sheets mutually folded in each other. No. 896,510; Aug. 18; Sp. p. 3456; Dr. p. 743; Gaz. vol. 135; p. 1508.

Alphabetical list of patentees—Continued.

- Baruch, H. B., New York, N. Y. Tire. No. 893,832; July 21; Sp. p. 3048; Dr. p. 623; Gaz. vol. 135; p. 337.
- Baruch, S. (See Dessauer and Baruch.)
- Barwick, J. F. (See Dixon and Barwick.)
- Bary, H. M. B., Philadelphia, Pa. Weighing-machine. No. 903,044; Nov. 3; Sp. p. 1030; Gaz. vol. 137; p. 169.
- Bary, H. M. B., Philadelphia, Pa. Weighing-scale. No. 903,045; Nov. 3; Sp. p. 1033; Gaz. vol. 137; p. 169.
- Barzee, C. W., The Dalles, Oreg. Rotary soil-drag. No. 881,289; Mar. 10; Sp. p. 1603; Dr. p. 343; Gaz. vol. 133; p. 299.
- Barzee, F. S., Everett, Wash. Automatic trap-nest. No. 899,709; Sept. 29; Sp. p. 4873; Dr. pp. 1045-6; Gaz. vol. 136; p. 923.
- Basch, D., New York, N. Y. Garment-retaining device. No. 882,445; Mar. 17; Sp. p. 3377; Dr. p. 828; Gaz. vol. 133; p. 701.
- Basch, D., New York, N. Y. Dress-shield. No. 887,454; May 12; Sp. p. 2288; Dr. p. 480; Gaz. vol. 134; p. 396.
- Bascolo, F. G., Buenos Ayres, Argentina. Pump-operating mechanism. No. 907,452; Dec. 22; Sp. p. 4560; Gaz. vol. 137; p. 1834.
- Bascom, C. P., assignor to Fayette R. Plumb, Inc., Philadelphia, Pa. Drying-oven. No. 905,047; Nov. 24; Sp. p. 5171; Gaz. vol. 137; p. 922.
- Bascome, G. L., and C. V. Kerr, assignors to Kerr Turbine Company, Wellsville, N. Y. Lubricating-bearing for steam-turbines or the like. No. 905,631; Dec. 1; Sp. p. 1042; Gaz. vol. 137; p. 1150.
- Baselli, A. (See Bischler and Baselli.)
- Bash, J. S., Champaign, Ill. Account-cabinet. No. 900,646; Oct. 6; Sp. p. 1235; Dr. p. 253; Gaz. vol. 136; p. 1262.
- Bashford, J. C., Yonkers, N. Y. Vehicle-gear. No. 877,479; Jan. 28; Sp. p. 3666; Dr. p. 795; Gaz. vol. 132; p. 686.
- Bashford, J. C., Yonkers, N. Y. Steering-knuckle for vehicles. No. 904,296; Nov. 17; Sp. p. 3623; Gaz. vol. 137; p. 645.
- Basle Chemical Works. (See Bischler, A., assignor.)
- Basle Chemical Works, Firm of. (See Grob, A., assignor.)
- Basler, G. R., assignor, by mesne assignments, of one-half to J. Y. Seeley, Chicago, Ill. Storage apparatus. No. 893,563; July 14; Sp. p. 2394; Dr. p. 502; Gaz. vol. 135; p. 417.
- Basom, O. H. P., Chittwood, Mo. Gas-burning furnace. No. 880,000; Feb. 25; Sp. p. 4362; Dr. p. 914; Gaz. vol. 132; p. 1644.
- Bass, H. B., Yukon, Okla. Gun-cleaning rod. No. 889,890; June 9; Sp. p. 1383; Dr. p. 314; Gaz. vol. 134; p. 1307.
- Bass, J., McKees Rocks, Pa. Sheave-block. No. 901,144; Oct. 13; Sp. p. 2238; Dr. p. 455; Gaz. vol. 136; p. 1450.
- Bass, O. (See Hatfield and Bass.)
- Basse, G. D., Milwaukee, Wis. Vine-trellis. No. 878,494; Feb. 11; Sp. p. 1235; Dr. p. 255; Gaz. vol. 132; p. 1080.
- Bassell, J. Y., and F. C. Blenkner, Columbus, Ohio. Gun-sight. No. 886,752; May 5; Sp. p. 855; Dr. p. 177; Gaz. vol. 134; p. 142.
- Bassell, J. Y., and F. C. Blenkner, Columbus, Ohio. Gun-sight. No. 899,020; Sept. 22; Sp. p. 3524; Dr. p. 754; Gaz. vol. 136; p. 666.
- Basset, L. P., assignor to M. B. de Labarthe, Paris, France. Thermochemical generation of electricity. No. 895,715; Aug. 11; Sp. p. 1875; Dr. p. 397; Gaz. vol. 135; p. 1228.
- Bassett, I. S., assignor of forty-nine one-hundredths to P. W. Fair, Pittsburg, Pa. Card-record. No. 886,753; May 5; Sp. p. 856; Dr. p. 178; Gaz. vol. 134; p. 142.
- Bassett, J. C., *et al.*, trustees. (See Kovach, F. J., assignor.)
- Bassick, E. W., assignor to Burns, Silver & Co., Bridgeport, Conn. Handle or drawer-pull. No. 893,297; July 14; Sp. p. 1836; Dr. p. 385; Gaz. vol. 135; p. 330.
- Bassler, E. M., Chicago, Ill. Dam. No. 885,218; Apr. 21; Sp. p. 3205; Dr. p. 669; Gaz. vol. 133; p. 1757.
- Bassler, E. M., Chicago, Ill. Filter-press. No. 891,393; June 23; Sp. p. 4484; Dr. p. 976; Gaz. vol. 134; p. 1866.
- Bastel, J. F., and J. F. Baumgartner, St. Louis, Mo. Hub for vehicle-wheels. No. 904,112; Nov. 17; Sp. p. 3194; Gaz. vol. 137; p. 580.
- Bastian, C. L. (See Arnold, G. J., assignor.)
- Bastian, C. L., assignor to Bottlers Machinery Manufacturing Company, Chicago, Ill. Bottle-filling machine. No. 888,577; May 26; Sp. p. 4512; Dr. p. 956; Gaz. vol. 134; p. 826.
- Bastian, C. O., and G. Calvert, London, England. Electric ignition device or sparking plug for internal-combustion motors. No. 897,868; Sept. 8; Sp. p. 1283; Dr. p. 274; Gaz. vol. 136; p. 234.
- Bastian, C. O., and G. Calvert, London, England. Method and means for hermetically sealing a conductor in glass. No. 908,378; Dec. 29; Sp. p. 6529; Gaz. vol. 137; p. 2171.
- Bastian, W. J., and F. Granitz, Chicago, Ill., assignors to American Cutlery Company. Cutlery-grinding machine. No. 886,754; May 5; Sp. p. 857; Dr. pp. 178-9; Gaz. vol. 134; p. 142.
- Bastie, P. H. (See Moy and Bastie.)
- Bastien, S. J., assignor to Baker Machine Corporation, New Bedford, Mass. Flier. No. 894,771; July 28; Sp. p. 4950; Dr. p. 1032; Gaz. vol. 135; p. 864.
- Bastin, H. V., Lancaster, Ky. Lightning-arrester. No. 883,613; Mar. 31; Sp. p. 6245; Dr. p. 1332; Gaz. vol. 133; p. 1144.
- Bataille, J. J., East Orange, N. J. Pump-primer. No. 900,468; Oct. 6; Sp. p. 852; Dr. p. 173; Gaz. vol. 136; p. 1204.
- Batchelder, A. F., Schenectady, N. Y., assignor to General Electric Company. Valve for air-compressors. No. 883,928; Apr. 7; Sp. p. 518; Dr. p. 103; Gaz. vol. 133; p. 1275.
- Batchelder, A. F., Schenectady, N. Y., assignor to General Electric Company. Car-truck. No. 901,944; Oct. 27; Sp. p. 3924; Dr. p. 800; Gaz. vol. 136; p. 1779.
- Batchelder, C. A., Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Me. Shoe-form. No. 877,980; Feb. 4; Sp. p. 163; Dr. p. 37; Gaz. vol. 132; p. 877.
- Batchelder, F. R., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Bandoleer. No. 876,131; Jan. 7; Sp. p. 875; Dr. p. 188; Gaz. vol. 132; p. 148.
- Batchelder, F. R., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Holster. No. 894,569; July 28; Sp. p. 4578; Dr. p. 948; Gaz. vol. 135; p. 800.
- Batchelder, F. R., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Belt. No. 894,772; July 28; Sp. p. 4951; Dr. p. 1032; Gaz. vol. 135; p. 865.
- Batchelder, F. R., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Carrier for trench-diggers. No. 904,596; Nov. 24; Sp. p. 4231; Gaz. vol. 137; p. 771.
- Batchelder, F. R., assignor to Mills Woven Cartridge Belt Co., Worcester, Mass. Carrier for trench-diggers. No. 904,597; Nov. 24; Sp. p. 4233; Gaz. vol. 137; p. 771.
- Batchelder, J. H., Keene, N. H. Composition. No. 900,256; Oct. 6; Sp. p. 374; Gaz. vol. 136; p. 1133.
- Batcheller, G. C. (See Meyer, S. M., assignor.)
- Batchelor, J. P., *et al.* (See Sieben, H., assignor.)
- Batdorf, C. S., Brooklyn, N. Y., assignor to F. H. Richards, Hartford, Conn. Transmission mechanism. No. 894,251; July 28; Sp. p. 3918; Dr. pp. 810-11; Gaz. vol. 135; p. 694.
- Bate, C. (See Holland, N. H., assignor.)
- Bateman, C. A., Washington, D. C. Tent-pole. No. 888,137; May 19; Sp. p. 3634; Dr. p. 761; Gaz. vol. 134; p. 650.
- Bateman, F., assignor to Bateman Manufacturing Company, Grenloch, N. J. Potato-digging machine. No. 901,145; Oct. 13; Sp. p. 2240; Dr. p. 455; Gaz. vol. 136; p. 1450.
- Bateman, H. A. (See Robinson, W. T., assignor.)
- Bateman, M. (See Fuller and Bateman.)
- Bateman Manufacturing Company. (See Bateman, F., assignor.)
- Bateman Manufacturing Company. (See Willis, L., assignor.)
- Bateman, T. A., Springfield, Mo. Seed-cabinet. No. 901,868; Oct. 20; Sp. p. 3764; Dr. p. 765; Gaz. vol. 136; p. 1723.
- Bateman, W. W., Boonville, Ind. Device for filling silos. No. 892,498; July 7; Sp. p. 216; Dr. p. 45; Gaz. vol. 135; p. 40.
- Bates, A., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Inseam-trimming machine. No. 877,036; Jan. 21; Sp. p. 2793; Dr. p. 603; Gaz. vol. 132; p. 521.
- Bates, A., Leicester, England, assignor to S. W. Winslow, trustee, Beverly, Mass. Buffing-machine. No. 894,807; Aug. 4; Sp. p. 4; Dr. p. 2; Gaz. vol. 135; p. 805.
- Bates, A. J., Sandusky, Ohio. Receptacle for holding molten glass. No. 896,511; Aug. 18; Sp. p. 3457; Dr. p. 743; Gaz. vol. 135; p. 1508.
- Bates, A. M., assignor to Bates Valve Bag Company, Cleveland, Ohio. Valve-bag. No. 907,557; Dec. 22; Sp. p. 4741; Gaz. vol. 137; p. 1866.
- Bates, A. M., assignor to Bates Valve Bag Company, Cleveland, Ohio. Valve-bag. No. 907,558; Dec. 22; Sp. p. 4743; Gaz. vol. 137; p. 1866.
- Bates, C. H., *et al.* (See Pearson, C. E., assignor.)
- Bates, D. N., S. E. Clapp, and L. E. Booth, Worcester, Mass., assignors to American Steel & Wire Company, Chicago, Ill. Stake-tie for railway-cars. No. 884,122; Apr. 7; Sp. p. 949; Dr. p. 199; Gaz. vol. 133; p. 1339.
- Bates, D. N., S. E. Clapp, and L. E. Booth, Worcester, Mass., assignors to American Steel & Wire Company, Chicago, Ill. Wire-twister. No. 893,423; July 14; Sp. p. 2082; Dr. p. 436; Gaz. vol. 135; p. 372.
- Bates, D. W., Hillsdale, Mich. Railway-tie. No. 895,413; Aug. 11; Sp. p. 1277; Dr. p. 268; Gaz. vol. 135; p. 1130.
- Bates, E. V. (See Smith, M. F., assignor.)
- Bates, E. V., and R. B. Robinson, Lowell, Mass., assignors to Bates & Robinson Machine Company. Carding-machine. No. 906,993; Dec. 15; Sp. p. 3613; Gaz. vol. 137; p. 1643.
- Bates, G., *et al.* (See Myers, C. D., assignor.)

Alphabetical list of patentees—Continued.

- Bates, H., Menands, N. Y. Time-controlled coin-operated locking device for type-writer machines. No. 883,854; Apr. 7; Sp. p. 370; Dr. p. 72; Gaz. vol. 133; p. 1250.
- Bates, H. A., Middletown, Conn. Bobbin-holder for sewing-machine shuttles. No. 889,501; June 2; Sp. p. 627; Dr. p. 146; Gaz. vol. 134; p. 1157.
- Bates Machine Company. (See Sawyer, W. W., assignor.)
- Bates & Robinson Machine Company. (See Bates and Robinson, assignors.)
- Bates, S. F., Eddy, Tex. Automatic fire-kindler. No. 903,828; Nov. 17; Sp. p. 2605; Gaz. vol. 137; p. 484.
- Bates, S. W., Portland, Me. Hat-fastener. No. 892,350; June 30; Sp. p. 6394; Dr. p. 1380; Gaz. vol. 134; p. 2212.
- Bates, S. W., assignor to General Hydrocarbon Company, Portland, Me. Hydrocarbon-burner. No. 877,897; Feb. 4; Sp. p. 1; Dr. p. 1; Gaz. vol. 132; p. 849.
- Bates, S. W., assignor to General Hydrocarbon Company, Portland, Me. Hydrocarbon-burner. No. 877,898; Feb. 4; Sp. p. 2; Dr. p. 1; Gaz. vol. 132; p. 849.
- Bates, T. H. (See Archer and Bates.)
- Bates, T. O., Liverpool, England. Machinery for making cup-wafers, sugar-wafer biscuits, and the like. No. 880,497; Mar. 3; Sp. p. 11; Dr. p. 3; Gaz. vol. 133; p. 5.
- Bates, T. O., Liverpool, England. Machinery for making cup-wafers, sugar-wafer biscuits, and the like. No. 880,498; Mar. 3; Sp. p. 13; Dr. pp. 3-4; Gaz. vol. 133; p. 5.
- Bates Valve Bag Company. (See Bates, A. M., assignor.)
- Bates Valve Bag Company. (See Cornell, J. E., assignor.)
- Bates, W. (See Rollenhagen, C. G., assignor.)
- Bath, B., *et al.* (See Bollenbach, F., assignor.)
- Bath, C. F., Abilene, Kans. Safety-brake for elevators. No. 896,792; Aug. 25; Sp. p. 4028; Dr. p. 867; Gaz. vol. 135; p. 1621.
- Bath, W. F., Murray, Idaho. Switching device for all railways. No. 908,379; Dec. 29; Sp. p. 6531; Gaz. vol. 137; p. 2171.
- Bathrick, C. E., assignor to F. C. Austin, Chicago, Ill. Automatic water-supply tank. No. 897,338; Sept. 1; Sp. p. 180; Dr. p. 38; Gaz. vol. 136; p. 26.
- Bathrick, C. E., assignor to F. C. Austin, Chicago, Ill. Mixing-machine. No. 898,171; Sept. 8; Sp. p. 1914; Dr. pp. 409-10; Gaz. vol. 136; p. 332.
- Bathrick, E. R., Akron, Ohio. Truss-pad. No. 881,218; Mar. 10; Sp. p. 1446; Dr. p. 312; Gaz. vol. 133; p. 275.
- Bathrick, E. R., Akron, Ohio. Truss-pad. No. 881,219; Mar. 10; Sp. p. 1447; Dr. p. 312; Gaz. vol. 133; p. 275.
- Batke, C., Watertown, S. D., and G. F. Batke, Olaton, Alberta, Canada. Combined thresher and separator. No. 876,681; Jan. 14; Sp. p. 2048; Dr. p. 446; Gaz. vol. 132; p. 304.
- Batke, G. F. (See Batke, C. and G. F.)
- Batt, H. G., Parnell, Mo. Washing-machine. No. 878,495; Feb. 11; Sp. p. 1236; Dr. p. 256; Gaz. vol. 132; p. 1081.
- Batt, R. J. and T. W., and W. Branscombe, Toronto Junction, Ontario, Canada. Column-clamp. No. 894,104; July 21; Sp. p. 3592; Dr. p. 740; Gaz. vol. 135; p. 627.
- Batt, T. W. (See Batt and Branscombe.)
- Batten, E., Kirkcaldy, Scotland. Pressing machinery for use in the manufacture of inlaid linoleum. No. 885,565; Apr. 21; Sp. p. 3912; Dr. p. 817; Gaz. vol. 133; p. 1868.
- Batten-Hayes Company. (See Kip and Smith, assignors.)
- Batten-Hayes Company. (See Martin, F., assignor.)
- Batter, F., St. Johns, Ore. Apparatus for therapeutic treatment of the air of living-rooms. No. 904,172; Nov. 17; Sp. p. 3346; Gaz. vol. 137; p. 602.
- Battershall, F. W., Albany, N. Y. Protractor for graphical integration and differentiation. No. 907,716; Dec. 29; Sp. p. 5133; Gaz. vol. 137; p. 1949.
- Battey, S. B., New York, N. Y. Safety-razor and stropping device. No. 878,450; Feb. 4; Sp. p. 1111; Dr. p. 228; Gaz. vol. 132; p. 1031.
- Battey, S. B., New York, N. Y. Threading device for sewing-machines. No. 893,698; July 21; Sp. p. 2672; Dr. pp. 560-1; Gaz. vol. 135; p. 491.
- Battisfore, H., *et al.* (See De Fray, F. W., assignor.)
- Battisshill, E. W., *et al.* (See Shank, A. W., assignor.)
- Battistoni, R., Ancona, and R. Rotelli, Venice, Italy. Manufacture of oxycarbide of barium. No. 888,956; May 26; Sp. p. 5324; Dr. p. 1130; Gaz. vol. 134; p. 950.
- Baty, L. D., Knoxville, Iowa. Road-grader. No. 880,774; Mar. 3; Sp. p. 578; Dr. p. 123; Gaz. vol. 133; p. 99.
- Baty, P., and J. H. Perry, Phillipsburg, N. J. Sectional fire-pot. No. 903,534; Nov. 10; Sp. p. 2001; Gaz. vol. 137; p. 359.
- Baudendistle, L., Denver, Colo. Assay-furnace. No. 887,057; May 12; Sp. p. 1435; Dr. pp. 304-5; Gaz. vol. 134; p. 265.
- Baudot, J. M. J., Roubaix, France. Application of electrolysis to scouring and squeezing machines. No. 895,144; Aug. 4; Sp. p. 729; Dr. p. 152; Gaz. vol. 135; p. 1016.
- Bauer, A. F., Philadelphia, Pa. Trolley pole and head. No. 884,630; Apr. 14; Sp. p. 1945; Dr. p. 418; Gaz. vol. 133; p. 1533.
- Bauer & Black. (See Bauer, P. S., assignor.)
- Bauer & Black. (See Schulz, O. C., assignor.)
- Bauer, E. H., Hammond, Ind., assignor to Simplex Railway Appliance Company, Chicago, Ill. Brake-beam strut and fulcrum. No. 897,570; Sept. 1; Sp. p. 679; Dr. p. 142; Gaz. vol. 136; p. 107.
- Bauer, F., New York, N. Y. Railway signaling device. No. 879,138; Feb. 18; Sp. p. 2571; Dr. p. 535; Gaz. vol. 132; p. 1328.
- Bauer, F. C., Jr. (See Bauer, F. C., Sr., and F. C., Jr.)
- Bauer, F. C., Sr., and F. C., Jr., Camden, N. J. Trolley. No. 906,994; Dec. 15; Sp. p. 3617; Gaz. vol. 137; p. 1643.
- Bauer, G. A., Springfield, Ohio. Rotary cutter. No. 884,556; Apr. 14; Sp. p. 1796; Dr. p. 386; Gaz. vol. 133; p. 1509.
- Bauer, H., Berlin, Germany. Device for admitting gas into vacuum-tubes. No. 905,632; Dec. 1; Sp. p. 1943; Gaz. vol. 137; p. 1131.
- Bauer, H. A., Lansdowne, Pa. Electric-light fixture. No. 887,455; May 12; Sp. p. 2289; Dr. p. 480; Gaz. vol. 134; p. 396.
- Bauer, J. H., and J. J. Dillon, Stanberry, Mo. Gate. No. 881,532; Mar. 10; Sp. p. 2067; Dr. p. 452; Gaz. vol. 133; p. 376.
- Bauer, L. E., assignor to Foos Manufacturing Company, Springfield, Ohio. Attrition-mill plate. No. 905,492; Dec. 1; Sp. p. 770; Gaz. vol. 137; p. 1107.
- Bauer, M. K., Evanston, assignor to one-half to J. Heinzen, Gross Point, Ill. Time-controlled mechanism. No. 900,053; Sept. 29; Sp. p. 5639; Dr. p. 1204; Gaz. vol. 136; p. 1038.
- Bauer, P., and R. Vilim, Chicago, Ill. Photographer's flash-lamp. No. 908,196; Dec. 29; Sp. p. 6154; Gaz. vol. 137; p. 2109.
- Bauer, P. S., assignor to Bauer & Black, Chicago, Ill. Corn and union plaster. No. 895,145; Aug. 4; Sp. p. 731; Dr. p. 152; Gaz. vol. 135; p. 1016.
- Bauer, W., Vohwinkel, near Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Making red vat dyes. No. 899,152; Sept. 22; Sp. p. 3772; Gaz. vol. 136; p. 710.
- Bauer, W. A., Philadelphia, Pa. Necktie attachment. No. 895,942; Aug. 11; Sp. p. 2320; Dr. p. 495; Gaz. vol. 135; p. 1301.
- Bauer, W. N., Cincinnati, Ohio. Shield for the post-holes in planing-machine tables. No. 900,976; Oct. 13; Sp. p. 1929; Dr. p. 393; Gaz. vol. 136; p. 1396.
- Bauercamper, C. C. A. (See Ponsar and Bauercamper.)
- Bäuerle, F., Stuttgart, Germany. Press for sweetmeats, tablets, and the like. No. 906,676; Dec. 15; Sp. p. 3013; Gaz. vol. 137; p. 1543.
- Bäuerle, T., St. Georgen, Germany. Calculating-machine. No. 892,704; July 7; Sp. p. 604; Dr. p. 130; Gaz. vol. 135; p. 106.
- Bauger, J. E. (See Cromer, T. S., assignor.)
- Baughman, A. C., Griswold, Iowa. Corn-husking implement. No. 886,033; Apr. 28; Sp. p. 4896; Dr. p. 1029; Gaz. vol. 133; p. 2051.
- Baughman, A. L., Wolf Lake, Ind. Removable sole for worn planter-shoes. No. 907,440; Dec. 22; Sp. p. 4532; Gaz. vol. 137; p. 1829.
- Baughman, S. A., Marysville, Kans. Hay-rack. No. 877,696; Jan. 28; Sp. p. 4119; Dr. p. 892; Gaz. vol. 132; p. 757.
- Baukat, J. G., White Plains, N. Y. Current-collector for the third rail of electric railways. No. 881,531; Mar. 10; Sp. p. 2065; Dr. p. 451; Gaz. vol. 133; p. 375.
- Bauke, F., Berlin, Germany. Producing gas. No. 887,058; May 12; Sp. p. 1436; Dr. p. 305; Gaz. vol. 134; p. 265.
- Baulino, C. (See Bibolini and Baulino.)
- Baum, E., Baltimore, Md. Annunciator. No. 896,793; Aug. 25; Sp. p. 4029; Dr. p. 867; Gaz. vol. 135; p. 1621.
- Baum, F. G., San Francisco, Cal. Electric switch. No. 875,978; Jan. 7; Sp. p. 569; Dr. p. 122-3; Gaz. vol. 132; p. 99.
- Baum, J. (See Bossert, E. J., assignor.)
- Baum, J., Cincinnati, Ohio. Permutation-lock. No. 894,252; July 28; Sp. p. 3934; Dr. p. 811; Gaz. vol. 135; p. 694.
- Baum, J., Cincinnati, Ohio. Elevator mechanism. No. 894,418; July 28; Sp. p. 4278; Dr. p. 883; Gaz. vol. 135; p. 750.
- Baum, J., Cincinnati, Ohio. Safe. No. 900,696; Oct. 13; Sp. p. 1344; Dr. p. 275; Gaz. vol. 136; p. 1306.
- Baum, J. B., assignor to T. P. McGuire, Grand Junction, Colo. Clothes-rack. No. 895,329; Aug. 4; Sp. p. 1117; Dr. p. 235; Gaz. vol. 135; p. 1079.
- Baum, J. B., Grand Junction, assignor to one-sixth to J. A. Cannell, Mesa county, Colo. Rail-joint. No. 905,783; Dec. 1; Sp. p. 1322; Gaz. vol. 137; p. 1200.
- Baum, J. B., assignor to one-half to G. R. and R. A. Hill, one-sixth to J. A. Cannell and A. Eggers, one-sixth to A. A. Miller and P. Moeser, Grand Junction, one-twelfth to T. P. McGuire, and one-twelfth to J. Mettras, Mesa county, Colo. Rail-joint and nut-lock therefor. No. 875,768; Jan. 7; Sp. p. 174; Dr. p. 37; Gaz. vol. 132; p. 33.

Alphabetical list of patentees—Continued.

- Bauman, E. E. (See Nienstadt, A. E., assignor.)
- Baumann, E. K. A., and F. W. Seyboth, Zwickau, Germany. Suction cleaning apparatus. No. 878,109; Feb. 4; Sp. p. 434; Dr. p. 92; Gaz. vol. 132; p. 919.
- Baumbach, O. L., and A. Kilsche, assignors to Eugene Dietzgen Company, Chicago, Ill. Slide-rule. No. 879,237; Feb. 18; Sp. p. 2755; Dr. p. 577; Gaz. vol. 132; p. 1362.
- Baumliak, H. D., Bant, Germany. Method and means for preparing the backs of books for binding. No. 876,516; Jan. 14; Sp. p. 1691; Dr. pp. 368-9; Gaz. vol. 132; p. 307.
- Baumgardner, W., Zellenople, Pa. Clutch-pulley. No. 897,704; Sept. 1; Sp. p. 939; Dr. p. 200; Gaz. vol. 136; p. 151.
- Baumgarten, J., New York, N. Y. Protector for telephone-transmitters. No. 901,869; Oct. 20; Sp. p. 3765; Dr. p. 765; Gaz. vol. 136; p. 1723.
- Baumgartner, E., deceased; F. Baumgartner, administrator, Fairview, assignor to Excelsior Garden Tool Company, Erie, Pa. Cultivator. No. 901,938; Oct. 20; Sp. p. 3903; Dr. p. 796; Gaz. vol. 136; p. 1747.
- Baumgartner, F., administrator. (See Baumgartner, E.)
- Baumgartner, J. F. (See Bastel and Baumgartner.)
- Baumgartner, J. P., Philadelphia, Pa. Hook and eye. No. 900,469; Oct. 6; Sp. p. 853; Dr. p. 174; Gaz. vol. 136; p. 1204.
- Baumgartner-Mica, H., Basel, Switzerland. Cone friction-coupling. No. 878,035; Feb. 4; Sp. p. 296; Dr. p. 63; Gaz. vol. 132; p. 896.
- Baur, A., River Junction, Fla. Mathematical instrument. No. 895,330; Aug. 4; Sp. p. 1118; Dr. p. 235; Gaz. vol. 135; p. 1080.
- Baur, V., Weingarten, Germany. Perambulator. No. 886,922; May 5; Sp. p. 1172; Dr. p. 246; Gaz. vol. 134; p. 193.
- Baur, W., New York, N. Y. Bulkhead and like retaining-wall. No. 907,441; Dec. 22; Sp. p. 4533; Gaz. vol. 137; p. 1829.
- Bauroth, E., assignor of one-half to W. F. Bauroth, Springfield, Ohio. Friction-clutch. No. 894,361; July 28; Sp. p. 4152; Dr. pp. 857-8; Gaz. vol. 135; p. 731.
- Bauroth, W. F. (See Bauroth, E., assignor.)
- Bausch, E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Nose-piece for microscopes. No. 905,633; Dec. 1; Sp. p. 1044; Gaz. vol. 137; p. 1131.
- Bausch, E., Rochester, N. Y., assignor, by mesne assignments, to Bausch & Lomb Optical Company (No. 2). Binocular telescope. No. 905,979; Dec. 8; Sp. p. 1709; Gaz. vol. 137; p. 1293.
- Bausch, G., Syracuse, N. Y. Mounting for eyeglasses. No. 877,160; Jan. 21; Sp. p. 3044; Dr. p. 659; Gaz. vol. 132; p. 562.
- Bausch, G., Syracuse, N. Y. Eyeglasses or spectacles. No. 878,599; Feb. 11; Sp. p. 1526; Dr. p. 311; Gaz. vol. 132; p. 1116.
- Bausch & Lomb Optical Company. (See Bausch, E., assignor.)
- Bausch & Lomb Optical Company. (See Patterson, W. L., assignor.)
- Bausch, Lomb, Saegmuller Co. (See Saegmuller, G. N., assignor.)
- Bausher, T. D., Reading, Pa. Thawing-furnace truck. No. 879,939; Feb. 25; Sp. p. 4254; Dr. p. 889; Gaz. vol. 132; p. 1625.
- Bautsch, M., *et al.* (See Hilger, B., assignor.)
- Bavrey, C., Oullins, France. Carbureter for explosion-motors. No. 907,953; Dec. 29; Sp. p. 5621; Gaz. vol. 137; p. 2026.
- Bavrie, C. S., New York, N. Y. Apparatus for cooling and utilizing air. No. 907,559; Dec. 22; Sp. p. 4743; Gaz. vol. 137; p. 1866.
- Baxeres de Alzugaray, J., New York, N. Y. Extracting precious metals from their ores. No. 892,110; June 30; Sp. p. 5929; Gaz. vol. 134; p. 2132.
- Baxter, E. F., Seattle, Wash. Jar-cover. No. 884,791; Apr. 14; Sp. p. 2319; Dr. p. 487; Gaz. vol. 133; p. 1588.
- Baxter, G. A. (See Ried, G. M., assignor.)
- Baxter, J. B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Breast-strap snap-hook. No. 890,955; June 16; Sp. p. 3606; Dr. p. 785; Gaz. vol. 134; p. 1690.
- Baxter, S. J., Wamego, Kans. Car-chair. No. 883,929; Apr. 7; Sp. p. 521; Dr. p. 103; Gaz. vol. 133; p. 1275.
- Baxter, W., Jr., Jersey City, N. J. System for controlling the motion of electrically-operated elevators by means of a switch. No. 878,496; Feb. 11; Sp. p. 1237; Dr. pp. 256-60; Gaz. vol. 132; p. 1081.
- Baxter, W. E., Frankfort, Ky. Hub, spindle, and axle-arm. No. 904,921; Nov. 24; Sp. p. 4926; Gaz. vol. 137; p. 579.
- Bay State Last Company. (See Hamblin, S. M., assignor.)
- Bay State Metal Wheel Company. (See Turner, O. N., assignor.)
- Bay State Optical Company. (See Clules, S. J., assignor.)
- Bayard, E., Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Apron for shoe-stitching machines. No. 906,092; Dec. 8; Sp. p. 1924; Gaz. vol. 137; p. 1329.
- Bayas, S., Los Angeles, Cal. Railway-signal. No. 887,576; May 12; Sp. p. 2533; Dr. p. 534; Gaz. vol. 134; p. 437.
- Bayer, F., New York, N. Y. Fly-catcher. No. 878,268; Feb. 4; Sp. p. 771; Dr. p. 155; Gaz. vol. 132; p. 972.
- Bayer, F. X., St. Louis, Mo. Boiler-cleaner. No. 900,078; Oct. 6; Sp. p. 10; Dr. p. 2; Gaz. vol. 136; p. 1076.
- Bayer, H., and E. E. Rieck, Pittsburg, Pa.; said Rieck assignor to said Bayer. Shipping and dispensing cabinet. No. 906,500; Dec. 15; Sp. p. 2688; Gaz. vol. 137; p. 1489.
- Bayer, J. S., Warren, Pa. Culvert. No. 890,256; June 9; Sp. p. 2136; Dr. p. 468; Gaz. vol. 134; p. 1430.
- Bayles, F. P. (See Lloyd and Bayles.)
- Bayles, L. C. (See Hellman and Bayles.)
- Bayles, L. C., Johannesburg, Transvaal. Rock-drilling-machine chuck. No. 903,948; Nov. 17; Sp. p. 2878; Gaz. vol. 137; p. 525.
- Bayless, T. B. (See Bayless, W. K. and T. B.)
- Bayless, W. C., Jefferson City, Tenn. Plow. No. 899,021; Sept. 22; Sp. p. 3526; Dr. p. 754; Gaz. vol. 136; p. 666.
- Bayless, W. C., Jefferson City, assignor of one-half to L. M. King, Dandridge, Tenn. Eye guard and shield for spectacles. No. 893,972; July 21; Sp. p. 3331; Dr. p. 682; Gaz. vol. 135; p. 582.
- Bayless, W. K. and T. B., Lexington, Ky. Cloth-measuring device. No. 879,846; Feb. 25; Sp. p. 4021; Dr. p. 843; Gaz. vol. 132; p. 1593.
- Bayley, W., Springfield, Ohio. Railing. No. 897,571; Sept. 1; Sp. p. 681; Dr. pp. 142-3; Gaz. vol. 136; p. 107.
- Baylis, G. W., Brooklyn, N. Y. Packing-receptacle. No. 877,161; Jan. 21; Sp. p. 3045; Dr. p. 659; Gaz. vol. 132; p. 562.
- Baynard, W. H., Boston, assignor to A. E. Little & Company, Lynn, Mass. Heel rest or support for displaying shoes. No. 876,254; Jan. 7; Sp. p. 1101; Dr. p. 239; Gaz. vol. 132; p. 186.
- Bayne, E. D. C., and L. A. Subers, Cleveland, Ohio. Flexible tire-frame. No. 879,509; Feb. 18; Sp. p. 3222; Dr. p. 694; Gaz. vol. 132; p. 1451.
- Bayne, E. D. C., and L. A. Subers, Cleveland, Ohio. Fabric. No. 883,219; Apr. 21; Sp. p. 3207; Dr. p. 670; Gaz. vol. 133; p. 1757.
- Bayne, E. D. C., and L. A. Subers, Cleveland, Ohio. Machine for winding and placing under pressure a thread coated with non-fibrous and adhesive material. No. 885,220; Apr. 21; Sp. p. 3210; Dr. p. 670; Gaz. vol. 133; p. 1758.
- Bayne, E. D. C., and L. A. Subers, Cleveland, Ohio. Coated cord or thread, the component strands of which are coated. No. 894,172; July 21; Sp. p. 3737; Dr. p. 772; Gaz. vol. 135; p. 648.
- Bayne, E. D. C., and L. A. Subers, Cleveland, Ohio. Automatic machine for winding fire-hose pipe and analogous tubing. No. 897,339; Sept. 1; Sp. p. 182; Dr. p. 39; Gaz. vol. 136; p. 27.
- Bazlen, M., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of aldehyde sulfoxylates. No. 885,566; Apr. 21; Sp. p. 3913; Gaz. vol. 133; p. 1868.
- Bazlen, M., and T. Wohlfahrt, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making stable zinc hydrosulfate. No. 896,610; Aug. 18; Sp. p. 3633; Gaz. vol. 135; p. 1539.
- Beach, F. A., Newark, N. J. Hoe. No. 906,093; Dec. 8; Sp. p. 1926; Gaz. vol. 137; p. 1329.
- Beach, F. H. (See Beach, F. S. and F. H.)
- Beach, F. H. and F. S., Charlotte, Mich. Road-drag. No. 884,352; Apr. 14; Sp. p. 1389; Dr. p. 297; Gaz. vol. 133; p. 1441.
- Beach, F. S. (See Beach, F. H. and F. S.)
- Beach, F. S. and F. H., Charlotte, Mich. Knockdown culvert. No. 889,745; June 2; Sp. p. 1089; Dr. p. 252; Gaz. vol. 134; p. 1234.
- Beach, F. W. (See Beach, J. W., assignor.)
- Beach, H. L., Coshocton, Ohio. Match-safe. No. 878,762; Feb. 11; Sp. p. 1842; Dr. p. 380; Gaz. vol. 132; p. 1169.
- Beach, H. L., Coshocton, Ohio. Sheet-metal shelf. No. 889,844; June 2; Sp. p. 1269; Dr. p. 292; Gaz. vol. 134; p. 1266.
- Beach, H. L., Coshocton, Ohio. Display apparatus. No. 891,029; June 16; Sp. p. 3744; Dr. p. 817; Gaz. vol. 134; p. 1716.
- Beach, H. L., Coshocton, Ohio. Display apparatus. No. 891,135; June 16; Sp. p. 3923; Dr. p. 859; Gaz. vol. 134; p. 1747.
- Beach, J. W., Chicago, Ill., assignor to F. W. Beach, Paoli, N. D. Safety device for elevators. No. 895,146; Aug. 4; Sp. p. 732; Dr. p. 153; Gaz. vol. 135; p. 1016.
- Beach, S. Y. (See Whitehead, G., assignor.)
- Beach, W. N., New York, N. Y. Feeder-head for rotary tube-mills. No. 879,435; Feb. 18; Sp. p. 3168; Dr. p. 659; Gaz. vol. 132; p. 1426.
- Beachum, A. E., Polkton, N. C. Telephone-transmitter. No. 885,007; Apr. 21; Sp. p. 2731; Dr. p. 580; Gaz. vol. 133; p. 1688.
- Beacom, F. N., Manchester, Iowa. Latch. No. 892,796; July 7; Sp. p. 792; Dr. p. 167; Gaz. vol. 135; p. 136.
- Beades, J. M., Denver, Colo. Lamp-burner. No. 881,103; Mar. 10; Sp. p. 1221; Dr. p. 263; Gaz. vol. 133; p. 237.
- Beahan, J. M., Hancock, Mich. Window-screen. No. 905,634; Dec. 1; Sp. p. 1047; Gaz. vol. 137; p. 1131.
- Beahen, J., and W. M. Brown, Dixon, Ill. Stove-damper. No. 894,570; July 28; Sp. p. 4578; Dr. p. 949; Gaz. vol. 135; p. 800.
- Beal, A. R. (See Hettel, A., assignor.)

Alphabetical list of patentees—Continued.

- Beal, C. A., Lynn, Mass. Trousers stretching and pressing device. No. 887,751; May 19; Sp. p. 2880; Dr. p. 607; Gaz. vol. 134; p. 524.
 Beal, F. A., assignor to Beal & Hanscom, Haverhill, Mass. Shoe. No. 887,456; May 12; Sp. p. 2290; Dr. p. 481; Gaz. vol. 134; p. 397.
 Beal, F. A., assignor to Beal & Hanscom, Haverhill, Mass. Turned shoe. No. 899,501; Sept. 29; Sp. p. 4447; Dr. p. 954; Gaz. vol. 136; p. 857.
 Beal, G. F., assignor to C. F. Siegel, Lake, Wis. Harvester-reel. No. 895,147; Aug. 4; Sp. p. 733; Dr. p. 153; Gaz. vol. 135; p. 1017.
 Beal & Hanscom. (See Beal, F. A., assignor.)
 Beale, A. W., Boston, Mass. Hot-air furnace. No. 876,682; Jan. 14; Sp. p. 2050; Dr. p. 447; Gaz. vol. 132; p. 364.
 Beale, C., and D. P. Moore, Washington, D. C. Hydraulic turbine-valve-operating mechanism. No. 894,105; July 21; Sp. p. 3593; Dr. p. 740; Gaz. vol. 135; p. 627.
 Beale, H., London, England. Golf-club. No. 890,836; June 16; Sp. p. 3341; Dr. p. 732; Gaz. vol. 134; p. 1652.
 Beall, C., Pittsburg, Pa. Display-rack. No. 905,635; Dec. 1; Sp. p. 1048; Gaz. vol. 137; p. 1152.
 Beall, J. C. W. (See Arnold, G. A., assignor.)
 Beall, R. J., Jr., Washington, D. C. Forming concrete piles. No. 903,126; Nov. 3; Sp. p. 1183; Gaz. vol. 137; p. 193.
 Beaman, H. (See Lucas, J. E., assignor.)
 Beamer, F. M., Philadelphia, Pa. Stuffing-box. No. 882,613; Mar. 24; Sp. p. 4220; Dr. p. 894; Gaz. vol. 133; p. 790.
 Bean, C. E., Garnett, Kans. Washing-machine. No. 884,064; Apr. 7; Sp. p. 794; Dr. p. 167; Gaz. vol. 133; p. 1320.
 Bean, M., assignor to J. J. Gillette, Cortland, N. Y. Insecticide. No. 886,340; May 5; Sp. p. 10; Gaz. vol. 134; p. 4.
 Bean, O. U., New York, N. Y., assignor to Bunsen Smokeless Furnace Company of America. Boiler-furnace. No. 897,446; Sept. 1; Sp. p. 424; Dr. pp. 90-1; Gaz. vol. 136; p. 66.
 Bean, R., Berea, Ohio. Torpedo-cane. No. 897,572; Sept. 1; Sp. p. 682; Dr. p. 143; Gaz. vol. 136; p. 107.
 Bean, R., Berea, assignor to W. B. White, Cleveland, Ohio. Repeating torpedo-cane. No. 876,683; Jan. 14; Sp. p. 2055; Dr. p. 447; Gaz. vol. 132; p. 364.
 Bean, V. E., assignor of one-half to H. O. Wheeler, Minneapolis, Minn. Gas-pressure regulator. No. 889,189; June 2; Sp. p. 4; Dr. p. 2; Gaz. vol. 134; p. 1058.
 Bean, W. Z. (See Glass and Bean.)
 Bear, G. (See Dettmann, F. H., assignor.)
 Bear, P., New York, N. Y. Toy stove. No. 906,766; Dec. 15; Sp. p. 3197; Gaz. vol. 137; p. 1573.
 Bear, S. E. (See Fister, W. S., assignor.)
 Beard, A. H., Memphis, Tenn. Electromagnetic motor. No. 883,276; Mar. 31; Sp. p. 5556; Dr. p. 1186; Gaz. vol. 133; p. 1037.
 Beard, B. N., Shelton, Conn. Road and making same. No. 888,864; May 26; Sp. p. 5118; Dr. p. 1091; Gaz. vol. 134; p. 918.
 Beard, C. R. (See Davidson and Beard.)
 Beard, E. M. and G. A., Baltimore, Md. Passenger-register for street-cars. No. 884,557; Apr. 14; Sp. p. 1798; Dr. p. 387; Gaz. vol. 133; p. 1510.
 Beard, F. L., Mingo, W. Va. Securing device. No. 885,008; Apr. 21; Sp. p. 2733; Dr. p. 580; Gaz. vol. 133; p. 1688.
 Beard, G. A. (See Beard, E. M. and G. A.)
 Beard, G. M., Hanover, Pa. Mail-delivering device. No. 900,647; Oct. 6; Sp. p. 1236; Dr. p. 253; Gaz. vol. 136; p. 1263.
 Beard, J., Paola, Kans. Cultivator. No. 905,277; Dec. 1; Sp. p. 301; Gaz. vol. 137; p. 1035.
 Beard, M. A., Gurdon, Ark. Mail-bag-delivering apparatus. No. 896,969; Aug. 25; Sp. p. 4430; Dr. p. 946; Gaz. vol. 135; p. 1680.
 Beard, T. R., Malvern, Ark. Mail for driving posts into the ground. No. 897,573; Sept. 1; Sp. p. 684; Dr. p. 143; Gaz. vol. 136; p. 108.
 Beardsell, A. W., Milford, assignor to Draper Company, Hopedale, Mass. Ring spinning or twisting apparatus. No. 893,600; July 21; Sp. p. 2487; Dr. p. 518; Gaz. vol. 135; p. 458.
 Beardsley, F. W., New York, N. Y. Apparatus for consuming gas. No. 877,162; Jan. 21; Sp. p. 3046; Dr. p. 660; Gaz. vol. 132; p. 562.
 Beardsley, F. W., New York, N. Y. Carbureter. No. 880,062; Feb. 25; Sp. p. 4498; Dr. pp. 945-6; Gaz. vol. 132; p. 1664.
 Beardsley, M. W., San Francisco, Cal. Cable-adjuster. No. 903,656; Nov. 10; Sp. p. 2249; Gaz. vol. 137; p. 398.
 Beardsley, O. L., Chicago, Ill. Sled. No. 907,217; Dec. 22; Sp. p. 4074; Gaz. vol. 137; p. 1752.
 Bearss, J. H., *et al.* (See Siemens, J., assignor.)
 Beasley, B. F. (See Beasley, R. N. and B. F.)
 Beasley, G. M., Monroe, N. C. Printer's gage. No. 890,837; June 16; Sp. p. 3343; Dr. p. 732; Gaz. vol. 134; p. 1652.
 Beasley, M. (See Martin and Beasley.)
 Beasley, M. G., Dickson, Tenn. Plate and pan lifter. No. 906,677; Dec. 15; Sp. p. 3013; Gaz. vol. 137; p. 1543.
 Beasley, M. M., San Bernardino, Cal. Punching and spacing machine. No. 887,910; May 19; Sp. p. 3207; Dr. pp. 674-5; Gaz. vol. 134; p. 577.
 Beasley, O., Columbia, Tenn. Plow. No. 897,447; Sept. 1; Sp. p. 426; Dr. p. 91; Gaz. vol. 136; p. 67.
 Beasley, R. N., Paint Lick, and B. F. Beasley, Lexington, Ky. Coin-controlled vending apparatus. No. 879,722; Feb. 18; Sp. p. 3770; Dr. p. 791; Gaz. vol. 132; p. 1519.
 Beath, L. B. (See Peters, H., assignor.)
 Beattie, G. M. (See Jones, B. W., assignor.)
 Beattie, J., Pendleton, near Manchester, England. Stopping-gear for sewing-machines. No. 888,957; May 26; Sp. p. 5326; Dr. p. 1130; Gaz. vol. 134; p. 950.
 Beattie, J. G., Brooklyn, N. Y. Automatic alarm-valve. No. 906,678; Dec. 15; Sp. p. 3014; Gaz. vol. 137; p. 1543.
 Beattie, W. J. (See Maitland and Beattie.)
 Beattie, W. J., Cohoes, N. Y. Collar-stretching machine. No. 902,548; Nov. 3; Sp. p. 19; Gaz. vol. 137; p. 5.
 Beatty, A. H. C. (See Oblinger, B. C., assignor.)
 Beatty, D., and S. C. Irving, Berkeley, Cal. Felt-like substance. No. 883,442; Mar. 31; Sp. p. 5922; Gaz. vol. 133; p. 1092.
 Beatty, D. D., San Francisco, Cal. Flying-machine. No. 889,502; June 2; Sp. p. 629; Dr. p. 146; Gaz. vol. 134; p. 1157.
 Beatty, J. U., Arrow, Pa. Railway tie and rail fastening. No. 894,573; July 28; Sp. p. 4582; Dr. p. 950; Gaz. vol. 135; p. 801.
 Beatty, L. C. (See Tobey, W. W., assignor.)
 Beatty, O., assignor of one-half to J. M. McKnight, Atlanta, Ga. Mail catching and delivering means. No. 890,118; June 9; Sp. p. 1846; Dr. p. 407; Gaz. vol. 134; p. 1385.
 Beatty, R. J., trustee. (See Gray, A. S., assignor.)
 Beatty, R. P., Cleveland, Ohio. Package. No. 898,821; Sept. 15; Sp. p. 3156; Dr. p. 675; Gaz. vol. 136; p. 573.
 Beatty, R. P., Cleveland, Ohio, assignor to Beatty Stamping Co. Garment-hanger. No. 893,298; July 14; Sp. p. 1837; Dr. p. 385; Gaz. vol. 135; p. 331.
 Beatty Stamping Co. (See Beatty, R. P., assignor.)
 Beatty, Z. T., Allen, Mich. Sliding-door fastener. No. 891,136; June 16; Sp. p. 3924; Dr. p. 859; Gaz. vol. 134; p. 1748.
 Beaubien, R. E., assignor of one-half to J. Burns, Chicago, Ill. Rotary motor. No. 892,351; June 30; Sp. p. 6395; Dr. p. 1380-1; Gaz. vol. 134; p. 2212.
 Beauchemin, A. (See Jutras, E., assignor.)
 Beauchemin, L. N., assignor to G. H. Simpson and J. A. Mann, Montreal, Canada. Horseshoe. No. 902,800; Nov. 3; Sp. p. 516; Gaz. vol. 137; p. 90.
 Beaudet, G. A., San Francisco, Cal. Gas-engine. No. 883,511; Mar. 31; Sp. p. 6056; Dr. p. 1292; Gaz. vol. 133; p. 1114.
 Beaudoin, A. (See Comeau and Beaudoin.)
 Beaumont, F., Jr., Argentine, Kans. Toy. No. 884,259; Apr. 7; Sp. p. 1213; Dr. p. 255; Gaz. vol. 133; p. 1384.
 Beaumont, R., Leeds, and T. Hollis, Shipley, England. Loom for producing textile fabrics. No. 878,707; Feb. 11; Sp. p. 1736; Dr. pp. 359-60; Gaz. vol. 132; p. 1151.
 Beaumont, T. E., London, England. Apparatus for the extraction of gold from crushed ores. No. 905,048; Nov. 24; Sp. p. 5172; Gaz. vol. 137; p. 923.
 Beauvals, J. B., Holyoke, Mass. Water-heating apparatus. No. 904,297; Nov. 17; Sp. p. 3625; Gaz. vol. 137; p. 645.
 Beaver, A. C., *et al.* (See Rogers, C. S., assignor.)
 Beaver, I. K., Wilburton, Pa. Valve. No. 891,975; June 30; Sp. p. 5696; Dr. p. 1226; Gaz. vol. 134; p. 2091.
 Beaver, J. M. (See Primm, J. Q., assignor.)
 Bebbler, A. W., Houston, Tex. Steam-generating system. No. 893,699; July 21; Sp. p. 2675; Dr. p. 561; Gaz. vol. 135; p. 491.
 Becherer, G. C. (See Harders, H. M. A., assignor.)
 Bechi, G. de, assignor of one-half to R. W. Rucker, London, England. Treatment of complex sulfid ores. No. 880,775; Mar. 3; Sp. p. 579; Gaz. vol. 133; p. 100.
 Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Throw-off mechanism for printing machinery. No. 876,132; Jan. 7; Sp. p. 876; Dr. p. 188; Gaz. vol. 132; p. 148.
 Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Folding mechanism for printing-presses. No. 879,510; Feb. 18; Sp. p. 3323; Dr. pp. 694-5; Gaz. vol. 132; p. 1451.
 Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Traveling-cylinder web-printing press. No. 880,001; Feb. 25; Sp. p. 4363; Dr. p. 915; Gaz. vol. 132; p. 1645.

Alphabetical list of patentees—Continued.

- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Folding mechanism for web-printing presses. No. 880,499; Mar. 3; Sp. p. 15; Dr. p. 4; Gaz. vol. 133; p. 5.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Adjustable web-guide. No. 880,959; Mar. 3; Sp. p. 954; Dr. p. 206; Gaz. vol. 133; p. 161.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary-cylinder web-perfecting printing-press. No. 880,960; Mar. 3; Sp. p. 956; Dr. p. 206; Gaz. vol. 133; p. 161.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Printing-press. No. 884,123; Apr. 7; Sp. p. 949; Dr. p. 199; Gaz. vol. 133; p. 1340.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Multicolor-printing press. No. 888,384; May 19; Sp. p. 4095; Dr. p. 864; Gaz. vol. 134; p. 729.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Web-feeding rolls. No. 889,746; June 2; Sp. p. 1091; Dr. p. 253; Gaz. vol. 134; p. 1235.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Combined flat-bed and rotary press. No. 894,574; July 28; Sp. p. 4584; Dr. p. 906; Gaz. vol. 135; p. 801.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Printing-press. No. 894,575; July 28; Sp. p. 4586; Dr. p. 951; Gaz. vol. 135; p. 802.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype-plate-casting apparatus. No. 899,374; Sept. 22; Sp. p. 4205; Dr. p. 900; Gaz. vol. 136; p. 780.
- Bechman, H. F., Battle Creek, Mich., assignor to Duplex Printing Press Company. Machine for casting stereotype-plates. No. 904,748; Nov. 24; Sp. p. 4555; Gaz. vol. 137; p. 822.
- Bechman, H. F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Folding mechanism for web-printing presses. No. 906,369; Dec. 8; Sp. p. 2451; Gaz. vol. 137; p. 1421.
- Becht, A., Paris, France. Valve mechanism for fluid-motors. No. 897,574; Sept. 1; Sp. p. 685; Dr. p. 144; Gaz. vol. 136; p. 108.
- Bechtold, A. J., Jr., Havre de Grace, Md. Attachment for drawing-boards. No. 906,604; Dec. 15; Sp. p. 2877; Gaz. vol. 137; p. 1521.
- Bechtold, H., and R. E. Young, Pasadena, Cal. Apparatus for producing pliant creases in laundrying. No. 907,442; Dec. 22; Sp. p. 4537; Gaz. vol. 137; p. 1830.
- Bechtold, H., and R. E. Young, Pasadena, Cal. Producing pliant creases in laundrying. No. 907,673; Dec. 22; Sp. p. 5050; Gaz. vol. 137; p. 1905.
- Bechtold, J. J., *et al.* (See Boulter, W. A., assignor.)
- Bechtold, W. S., Newark, N. J. Puff-comb. No. 886,034; Apr. 28; Sp. p. 4897; Dr. pp. 1029-30; Gaz. vol. 133; p. 2051.
- Bechtold, W. S., Newark, N. J. Barrette. No. 897,188; Aug. 25; Sp. p. 4854; Dr. p. 1032; Gaz. vol. 135; p. 1751.
- Beck, A. F., Oakland, and F. H. Teitschik, Weimar, Tex. Shoe-protector. No. 887,752; May 19; Sp. p. 2883; Dr. p. 607; Gaz. vol. 134; p. 524.
- Beck, C. W., New York, N. Y. Acetylene-gas generator. No. 892,573; July 7; Sp. p. 341; Dr. pp. 75-6; Gaz. vol. 135; p. 64.
- Beck, C. W., Rockville Center, N. Y. Connector for electrical conductors. No. 906,370; Dec. 8; Sp. p. 2453; Gaz. vol. 137; p. 1421.
- Beck, C. W., Rockville Center, assignor to Electrolite Gas Lamp Company, New York, N. Y. Acetylene-gas generator. (Reissue.) No. 12,846; Aug. 25; Sp. p. 5135; Dr. pp. 1070-1; Gaz. vol. 135; p. 1781.
- Beck Flaming Lamp Company. (See Beck, H., assignor.)
- Beck, G., Jersey City, N. J. Uterine supporter. No. 897,050; Aug. 25; Sp. p. 4599; Dr. p. 980; Gaz. vol. 135; p. 1708.
- Beck, H., Frankfort-on-the-Main, Germany, assignor to Beck Flaming Lamp Company, Canton, N. Y. Electric-arc lamp. No. 885,906; Apr. 28; Sp. p. 4595; Dr. p. 963; Gaz. vol. 133; p. 2008.
- Beck, H. J., Phillipsburg, Pa. Choke-coil for moving-picture machines. No. 907,717; Dec. 29; Sp. p. 5135; Gaz. vol. 137; p. 1949.
- Beck, H. L., Piedmont, W. Va. Wrench. No. 896,611; Aug. 18; Sp. p. 3634; Dr. p. 781; Gaz. vol. 135; p. 1539.
- Beck, H. U. (See Veronneau, L. H., dit Vernon, assignor.)
- Beck, J. C., Sycamore, assignor of one-half to C. T. Brown, Chicago, Ill. Shock-absorber. No. 899,001; Sept. 15; Sp. p. 3472; Dr. pp. 743-4; Gaz. vol. 136; p. 632.
- Beck, J. D. (See Barkley, H., assignor.)
- Beck, J. F., Sr., Germantown, Pa. Mechanism for interlocking gun parts. No. 883,680; Mar. 31; Sp. p. 6388; Dr. p. 1362; Gaz. vol. 133; p. 1165.
- Beck, M. A., Milwaukee, Wis. Casting-rod. No. 887,753; May 19; Sp. p. 2884; Dr. p. 607; Gaz. vol. 134; p. 524.
- Beck, N. D. S. K., assignor to L. Broz, Chicago, Ill. Floor-finishing apparatus. No. 878,269; Feb. 4; Sp. p. 772; Dr. p. 155; Gaz. vol. 132; p. 972.
- Beck, O. P., New York, N. Y., assignor, by mesne assignments, to E. P. Metcalf, Providence, R. I., and A. Loewenthal and C. E. Dunn, New York, N. Y., trustees. Apparatus for making half-stuff from peat-turf. No. 896,612; Aug. 18; Sp. p. 2635; Dr. p. 781; Gaz. vol. 135; p. 1540.
- Becker, A., assignor to Ralston Steel Car Company, Columbus, Ohio. Underframe for cars. No. 899,649; Sept. 29; Sp. p. 4767; Dr. p. 1020; Gaz. vol. 136; p. 905.
- Becker, A., assignor to Ralston Steel Car Company, Columbus, Ohio. Underframe for cars. No. 899,650; Sept. 29; Sp. p. 4768; Dr. p. 1020; Gaz. vol. 136; p. 906.
- Becker, A., assignor to Ralston Steel Car Company, Columbus, Ohio. Underframe for cars. No. 899,651; Sept. 29; Sp. p. 4770; Dr. p. 1020; Gaz. vol. 136; p. 906.
- Becker, A., assignor to Ralston Steel Car Company, Columbus, Ohio. Car. No. 904,040; Nov. 17; Sp. p. 3050; Gaz. vol. 137; p. 555.
- Becker, C. L., Marietta, Ohio. Attachment for adding-machines. No. 892,116; June 30; Sp. p. 5940; Dr. p. 1279; Gaz. vol. 134; p. 2134.
- Becker, F. (See Dahn and Becker, assignors.)
- Becker, F. (See Schramm and Becker.)
- Becker, F., Prague, Austria-Hungary, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of aldehyde sulfoxylates. No. 885,567; Apr. 21; Sp. p. 3916; Gaz. vol. 133; p. 1868.
- Becker, G., Oklahoma, Okla. Banana-crate. No. 882,046; Mar. 17; Sp. p. 3148; Dr. p. 669; Gaz. vol. 133; p. 572.
- Becker, H., Baltimore, Md. Outlet-box. No. 877,880; Jan. 28; Sp. p. 4448; Dr. p. 970; Gaz. vol. 132; p. 815.
- Becker, J. (See Siegel and Becker.)
- Becker, J., Canal Dover, Ohio. Washing-machine. No. 902,467; Oct. 27; Sp. p. 5026; Dr. p. 1017; Gaz. vol. 136; p. 1948.
- Becker, J., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gun. No. 886,576; May 5; Sp. p. 458; Dr. p. 98; Gaz. vol. 134; p. 84.
- Becker, J., assignor of one-half to G. L. Brant, Berlin, Pa. Wheeled toy. No. 903,350; Nov. 10; Sp. p. 1626; Gaz. vol. 137; p. 298.
- Becker, J. A., *et al.* (See Crouch, F. J. and L. A., assignors.)
- Becker, L. B., New York, assignor to L. F. Adt, Albany, and E. Kirstein Sons Company, Rochester, N. Y. Eyeglasses. No. 885,829; Apr. 28; Sp. p. 4452; Dr. p. 935; Gaz. vol. 133; p. 1983.
- Becker, M., Mannheim, Germany. Boiler compound. No. 907,954; Dec. 29; Sp. p. 5623; Gaz. vol. 137; p. 2026.
- Becker, M. B., Chicago, Ill. Amusement riding device. No. 900,820; Oct. 13; Sp. p. 1604; Dr. p. 325; Gaz. vol. 136; p. 1347.
- Becker, S., Spartanburg, S. C. Bottle case or crate. No. 904,829; Nov. 24; Sp. p. 4740; Gaz. vol. 137; p. 850.
- Becker, W., Chicago, Ill. Apparatus for photographers' use. No. 908,064; Dec. 29; Sp. p. 5845; Gaz. vol. 137; p. 2063.
- Beckerdite, L. E. (See Blanck and Beckerdite.)
- Becket, F. M. (See Price and Becket.)
- Becket, F. M., Niagara Falls, N. Y. Reducing metallic sulfids and producing vanadium. No. 876,313; Jan. 14; Sp. p. 1245; Gaz. vol. 132; p. 239.
- Becket, F. M., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Making low-carbon metals or alloys. No. 891,898; June 30; Sp. p. 5526; Gaz. vol. 134; p. 2065.
- Becket, F. M., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Producing low-carbon alloys. No. 892,211; June 30; Sp. p. 6140; Dr. p. 1323; Gaz. vol. 134; p. 2166.
- Becket, F. M., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Electric-furnace method. No. 892,212; June 30; Sp. p. 6141; Dr. p. 1323; Gaz. vol. 134; p. 2167.
- Becket, F. M., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Reducing vanadium from sulfid ores. No. 893,128; July 14; Sp. p. 1505; Gaz. vol. 135; p. 276.
- Becket, F. M., Niagara Falls, N. Y., assignor, by mesne assignments, to W. Chanler. Electrode forelectric furnaces. No. 896,429; Aug. 18; Sp. p. 3286; Dr. p. 706; Gaz. vol. 135; p. 1480.
- Becket, F. M., Niagara Falls, N. Y., assignor to Electro Metallurgical Company, Chicago, Ill. Producing ferro-alloys. No. 898,173; Sept. 8; Sp. p. 1922; Gaz. vol. 136; p. 333.
- Becket, F. M., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Reducing metallic oxids. No. 906,854; Dec. 15; Sp. p. 3359; Gaz. vol. 137; p. 1600.
- Beckman, J. H., Chicago, Ill. Coffee-urn. No. 893,700; July 21; Sp. p. 2676; Dr. pp. 561-2; Gaz. vol. 135; p. 492.
- Beckman, J. H., Seattle, Wash. Burner. No. 893,833; July 21; Sp. p. 3050; Dr. p. 623; Gaz. vol. 135; p. 537.
- Beckman, J. P. W., Parnassus, Pa. Treating mica. No. 903,949; Nov. 17; Sp. p. 2881; Gaz. vol. 137; p. 526.

Alphabetical list of patentees—Continued.

- Beckmann, C., New York, N. Y. Explosion-turbine. No. 903,657; Nov. 10; Sp. p. 2251; Gaz. vol. 137; p. 398.
- Beckwith Box Toe Company. (See Grant, R. P., assignor.)
- Beckwith, E. P., Cazenovia, N. Y., assignor to General Electric Company. Sterilizing. No. 881,533; Mar. 10; Sp. p. 2068; Dr. p. 452; Gaz. vol. 133; p. 376.
- Beckwith, H. W., Omaha, Nebr. Bridle-bit. No. 903,351; Nov. 10; Sp. p. 1627; Gaz. vol. 137; p. 298.
- Beckwith, M., assignor to T. S. Boyd, New York, N. Y. Upright-piano action. No. 886,341; May 5; Sp. p. 11; Dr. p. 2; Gaz. vol. 134; p. 4.
- Beckwith Organ Company, Incorporated. (See Hill, R. S., assignor.)
- Beckwith, R. H., Sparta, Mich. Bean-puller. No. 884,887; Apr. 14; Sp. p. 2492; Dr. pp. 525-6; Gaz. vol. 133; p. 1618.
- Beckwith, W. C., Fostoria, Ohio. Spear for oil-wells. No. 902,468; Oct. 27; Sp. p. 5023; Dr. p. 1018; Gaz. vol. 136; p. 1949.
- Beckwith, W. C., Fostoria, Ohio. Pumping apparatus for oil-wells. No. 902,469; Oct. 27; Sp. p. 5032; Dr. p. 1018; Gaz. vol. 136; p. 1949.
- Beddoes, C. C. E., Wallingford, Pa. Treating sewage. No. 895,229; Aug. 4; Sp. p. 905; Dr. p. 190; Gaz. vol. 135; p. 1046.
- Bedell, C. A. (See Foster, S. F., assignor.)
- Bedell, W. F., North Yakima, Wash. Amalgamator. No. 907,443; Dec. 22; Sp. p. 4539; Gaz. vol. 137; p. 1830.
- Bedford, F. W., Oak Park, Ill. Jar-closure. No. 886,342; May 5; Sp. p. 11; Dr. p. 2; Gaz. vol. 134; p. 4.
- Bedford Foundry & Machine Company. (See Sohn and Gonder, assignors.)
- Bedford, M. T., Sidney, Ohio. Folding blackboard and writing-desk. No. 891,899; June 30; Sp. p. 5529; Dr. p. 1193; Gaz. vol. 134; p. 2065.
- Bedient, C. E., Chicago, Ill. Metallic fabric. No. 900,697; Oct. 13; Sp. p. 1346; Dr. p. 275; Gaz. vol. 136; p. 1307.
- Bedinger, S. B. (See Laird, E. C., assignor.)
- Bedortha, A. C. and G. Q., Windsor, Conn. Treatment of tobacco. No. 877,697; Jan. 28; Sp. p. 4120; Dr. p. 892; Gaz. vol. 132; p. 757.
- Bedortha, A. C. and G. Q., Windsor, Conn. Treatment of tobacco. No. 877,698; Jan. 28; Sp. p. 4121; Dr. p. 892; Gaz. vol. 132; p. 758.
- Bedortha, G. Q. (See Bedortha, A. C. and G. Q.)
- Bee, B. F., Harwich, Mass. Funnel. No. 881,891; Mar. 17; Sp. p. 2817; Dr. p. 601; Gaz. vol. 133; p. 522.
- Bee, F. X., Philadelphia, Pa. Coin-controlled mechanism for telephone-boxes and the like. No. 881,652; Mar. 10; Sp. p. 2319; Dr. p. 502; Gaz. vol. 133; p. 416.
- Beebe, A. E., Mayville, N. D. Marine propulsion. No. 876,133; Jan. 7; Sp. p. 878; Dr. p. 189; Gaz. vol. 132; p. 148.
- Beebe, C. S., Peru, Ind. Fence-post. No. 875,769; Jan. 7; Sp. p. 175; Dr. p. 38; Gaz. vol. 132; p. 34.
- Beebe, D., Newark, N. J. Window. No. 903,268; Nov. 10; Sp. p. 1473; Gaz. vol. 137; p. 272.
- Beebe, L. C., Hamilton, N. Y. Cattle-stanchion. No. 885,711; Apr. 28; Sp. p. 4197; Dr. p. 878; Gaz. vol. 133; p. 1944.
- Beebe, N. H. (See Brockett and Beebe.)
- Beech-Nut Packing Company *et al.* (See Lorenz, W. A., assignor.)
- Beech-Nut Packing Company. (See Lorenz and Honiss, assignors.)
- Beech-Nut Packing Company *et al.* (See Merritt, J. assignor.)
- Beecher, L. W. (See Sandahl, V., assignor.)
- Beecher, W. N., Chicago, Ill. Wind-shield for vehicles. No. 902,199; Oct. 27; Sp. p. 4449; Dr. p. 900; Gaz. vol. 136; p. 1860.
- Beddie, F. P., Keene, N. H. Rake. No. 892,213; June 30; Sp. p. 6143; Dr. p. 1323; Gaz. vol. 134; p. 2167.
- Beekhuis, H. A., Hanford, assignor to California Fruit Cannery Association, San Francisco, Cal. Fruit-grader. No. 906,605; Dec. 15; Sp. p. 2877; Gaz. vol. 137; p. 1521.
- Beel, S. M., Smuggler, Colo. Egg-breaker. No. 894,106; July 21; Sp. p. 3595; Dr. p. 741; Gaz. vol. 135; p. 627.
- Beeman, M. A., Cleveland, Ohio. Sash-lock. No. 892,797; July 7; Sp. p. 733; Dr. p. 168; Gaz. vol. 135; p. 136.
- Beeman, W. S., Kansas City, Mo. Street-sweeper. No. 897,705; Sept. 1; Sp. p. 941; Dr. p. 200-1; Gaz. vol. 136; p. 151.
- Beemer, E. A. W., Scotland, Ontario, Canada. Hay-rack. No. 880,113; Feb. 25; Sp. p. 4592; Dr. p. 967; Gaz. vol. 132; p. 1682.
- Beemer, F., assignor to A. C. Buzby, Philadelphia, Pa. Grease-cup. No. 879,026; Feb. 11; Sp. p. 2327; Dr. p. 487; Gaz. vol. 132; p. 1251.
- Beemer, F., assignor to Standard Roller Bearing Company, Philadelphia, Pa. Gearing for motor-vehicles. No. 894,719; July 28; Sp. p. 4858; Dr. pp. 1010-11; Gaz. vol. 135; p. 848.
- Beermeister, J., de Pere, Wis. Press. No. 880,619; Mar. 3; Sp. p. 267; Dr. p. 56; Gaz. vol. 133; p. 47.
- Beerbower, C. W., *et al.* (See Watt, W. H., assignor.)
- Beere, W. O., Wellington, New Zealand. Drawing instrument. No. 890,257; June 9; Sp. p. 2137; Dr. p. 468; Gaz. vol. 134; p. 1430.
- Beers, J. O., Jr. (See Cantwell, T., assignor.)
- Beers, W. R., Judd, Iowa. Device for converting windmill-power. No. 877,543; Jan. 28; Sp. p. 3830; Dr. p. 828; Gaz. vol. 132; p. 709.
- Beeson, A. W., assignor to one-half to G. W. Henning, Washington, Pa. Glass pressing and blowing machine. No. 877,984; Feb. 4; Sp. p. 166; Dr. pp. 37-8; Gaz. vol. 132; p. 877.
- Beeson, S. W., Buffalo, N. Y. Door-hanger. No. 883,775; Apr. 7; Sp. p. 134; Dr. p. 34; Gaz. vol. 133; p. 1223.
- Beeson, S. W., Buffalo, N. Y. Track for door-hangers. No. 896,682; Aug. 18; Sp. p. 3779; Dr. p. 810; Gaz. vol. 135; p. 1560.
- Beeson, W. W., Redwood, Cal. Extension mining-caisson. No. 898,174; Sept. 8; Sp. p. 1924; Dr. p. 410; Gaz. vol. 136; p. 333.
- Beeson, W. W., Redwood City, Cal. Telescope mining-pipe. No. 900,470; Oct. 6; Sp. p. 854; Dr. p. 174; Gaz. vol. 136; p. 1204.
- Behan, T., Aliquippa, Pa. Safety-valve for air-brakes. (Reissue.) No. 12,758; Mar. 10; Sp. p. 2782; Dr. p. 597; Gaz. vol. 133; p. 491.
- Behlen, C. A., assignor to Durham Buggy Company, Durham, N. C. Side-spring vehicle-gear. No. 883,686; Apr. 7; Sp. p. 6; Dr. p. 2; Gaz. vol. 133; p. 1196.
- Behner, A. (See Bellows and Behner.)
- Behr, H., Philadelphia, Pa. Bottle-closure. No. 882,287; Mar. 17; Sp. p. 3604; Dr. p. 764; Gaz. vol. 133; p. 649.
- Behr, P., Berlin, Germany, assignor to General Electric Company. Latch mechanism. No. 897,514; Sept. 1; Sp. p. 563; Dr. p. 112; Gaz. vol. 136; p. 89.
- Behren, L. W. von, Evansville, Ill. Stencil-printing machine. No. 896,490; Aug. 18; Sp. p. 3412; Dr. pp. 734-5; Gaz. vol. 135; p. 1501.
- Behrend, B. A., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Induction-motor. No. 885,009; Apr. 21; Sp. p. 2734; Dr. p. 580; Gaz. vol. 133; p. 1688.
- Behrend, B. A., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Direct-current turbo-generator. No. 886,035; Apr. 28; Sp. p. 4898; Dr. p. 1030; Gaz. vol. 133; p. 2052.
- Behrend, B. A., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 900,977; Oct. 13; Sp. p. 1930; Dr. p. 393; Gaz. vol. 136; p. 1396.
- Behrend, B. A., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 903,829; Nov. 17; Sp. p. 2608; Gaz. vol. 137; p. 484.
- Behrendt, G. H., and A. Lindquist, Minneapolis, Minn. Grain-door construction. No. 897,264; Sept. 1; Sp. p. 6; Dr. p. 2; Gaz. vol. 136; p. 3.
- Behrens, J. D., Cincinnati, Ohio. Wheel. No. 905,833; Dec. 8; Sp. p. 1431; Gaz. vol. 137; p. 1247.
- Behrens, P., Leipzig Lindenau, Germany. Knife-sharpening machine. No. 887,754; May 19; Sp. p. 2886; Dr. p. 608; Gaz. vol. 134; p. 525.
- Behrmann, G., assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel, Germany. Submarine boat. No. 896,613; Aug. 18; Sp. p. 3639; Dr. p. 782; Gaz. vol. 135; p. 1540.
- Beidler, G. C., Oklahoma, Okla. Developing apparatus. No. 904,399; Nov. 17; Sp. p. 3807; Gaz. vol. 137; p. 679.
- Beidler, G. C., assignor, by mesne assignments to Rectigraph Company, Oklahoma, Okla. Machine for exposing and developing photographic films. (Reissue.) No. 12,834; July 28; Sp. p. 5021; Dr. p. 1047; Gaz. vol. 135; p. 876.
- Beier, A., Detroit, Mich. Land-roller. No. 895,230; Aug. 4; Sp. p. 907; Dr. p. 190; Gaz. vol. 135; p. 1047.
- Beier, O. R., Oelde, Germany. Washing-machine. No. 883,776; Apr. 7; Sp. p. 185; Dr. p. 34; Gaz. vol. 133; p. 1223.
- Beiffuss, G. A., Chicago, Ill. Tripod. No. 880,063; Feb. 25; Sp. p. 4502; Dr. p. 946; Gaz. vol. 132; p. 1664.
- Beilhart, W. E., San Francisco, Cal. Means for attaching bolts to concrete. No. 899,002; Sept. 15; Sp. p. 3474; Dr. p. 744; Gaz. vol. 136; p. 632.
- Beilke, W., Charlottenburg, Germany. Friction-coupling. No. 881,290; Mar. 10; Sp. p. 1604; Dr. pp. 343-4; Gaz. vol. 133; p. 299.
- Beinhoff, W., Cleveland, Ohio. Cuff-holder. No. 906,767; Dec. 15; Sp. p. 3198; Gaz. vol. 137; p. 1573.
- Beinkamp, F. B., Cincinnati, Ohio, and L. L. Harding, Canon City, Colo. Combination vocal and instrumental music sheet. No. 897,340; Sept. 1; Sp. p. 187; Dr. p. 40; Gaz. vol. 136; p. 28.
- Beisswinger, V. (See Hunsaker, Beisswinger, and Davis.)
- Békéfi, V. L., Cleveland, Ohio. Armor for rubber tires. No. 891,030; June 16; Sp. p. 3745; Dr. p. 817; Gaz. vol. 134; p. 1716.
- Beland, J. L., *et al.* (See Berard, J. S., assignor.)
- Belcher, G. L., Oakland, Cal. Paste-receptacle. No. 901,061; Oct. 13; Sp. p. 2090; Dr. p. 425; Gaz. vol. 136; p. 1424.
- Belcher, W. J. (See Butler and Belcher.)
- Belcher, W. J., and W. M. Butler, assignors to Whitney Manufacturing Company, Hartford, Conn. Friction drive-chain. No. 897,515; Sept. 1; Sp. p. 566; Dr. p. 118; Gaz. vol. 136; p. 90.
- Beldam Packing & Rubber Company. (See Robinson, G. H., assignor.)
- Belden Manufacturing Company. (See Lendi and Simmons, assignors.)
- Belden, R. E., Cleveland, Ohio. Carborundum-disk-truing device. No. 887,059; May 12; Sp. p. 1438; Dr. p. 305; Gaz. vol. 134; p. 265.

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- Beldiman, A., Berlin, Germany. Earth-boring tool. No. 878,856; Feb. 11; Sp. p. 2020; Dr. p. 417; Gaz. vol. 132; p. 1199.
- Belding & Franklin Machine Co. (See Weber, W. L., assignor.)
- Beier, A., assignor to Beler Water Heater Co., Pittsburg, Pa. Pressure-regulator. No. 879,127; Feb. 11; Sp. p. 2544; Dr. p. 529; Gaz. vol. 132; p. 1283.
- Belar, A., assignor to Beler Water Heater Co., Pittsburg, Pa. Hydrocarbon-burner. No. 899,003; Sept. 15; Sp. p. 3475; Dr. p. 744; Gaz. vol. 136; p. 632.
- Belar Water Heater Co. (See Beler, A., assignor.)
- Belknap, C. A., Brooklyn, N. Y., assignor, by mesne assignments, to Velox Manufacturing Company. Addressing-machine. No. 896,702; Aug. 25; Sp. p. 3820; Dr. pp. 826-7; Gaz. vol. 135; p. 1589.
- Belknap, E., Polo, Ill. Expansion-engine. No. 890,595; June 16; Sp. p. 2824; Dr. pp. 622-3; Gaz. vol. 134; p. 1570.
- Belknap, E. D., East Orange, N. Y. Selective printing mechanism. No. 889,503; June 2; Sp. p. 631; Dr. pp. 146-7; Gaz. vol. 134; p. 1157.
- Belknap, E. D., East Orange, N. J. Address-bearing card. No. 898,425; Sept. 15; Sp. p. 2396; Dr. p. 512; Gaz. vol. 136; p. 447.
- Bell, A. M., Denver, Colo. Ironing-machine. No. 906,606; Dec. 15; Sp. p. 2879; Gaz. vol. 137; p. 1521.
- Bell, A. R., Scarborough, England. Closure device for jars, bottles, and the like. No. 885,424; Apr. 21; Sp. p. 3614; Dr. p. 758; Gaz. vol. 133; p. 1824.
- Bell, C. W. (See McMillan, F. and A. H., assignors.)
- Bell, D. J., Chicago, Ill. Moving-picture machine. No. 879,355; Feb. 18; Sp. p. 2978; Dr. pp. 622-3; Gaz. vol. 132; p. 1400.
- Bell, E. G., *et al.* (See Gray, H. M., assignor.)
- Bell, E. H., Chicago, Ill. Tie-plate driver. No. 887,377; May 12; Sp. p. 2145; Dr. p. 449; Gaz. vol. 134; p. 371.
- Bell, E. H., Chicago, Ill. Tie-plate. No. 905,493; Dec. 1; Sp. p. 771; Gaz. vol. 137; p. 1107.
- Bell, E. H., assignor to Railroad Supply Company, Chicago, Ill. Manufacturing tie-plates. No. 879,238; Feb. 18; Sp. p. 2757; Dr. p. 577; Gaz. vol. 132; p. 1362.
- Bell, E. L., Norfolk, Va. Combined bottle and rolling-pin. No. 875,683; Jan. 7; Sp. p. 13; Dr. p. 3; Gaz. vol. 132; p. 4.
- Bell, E. T., assignor to two-thirds to O. C. Steele and L. O. Draper, Spiceland, Ind. Window-shade. No. 904,298; Nov. 17; Sp. p. 3628; Gaz. vol. 137; p. 646.
- Bell, E. W., and H., New York, N. Y., assignors, by mesne assignments, to Automatic Contract Dating and Delivery Company. Automatic ticket dating and delivering apparatus. No. 895,613; Aug. 11; Sp. p. 1672; Dr. pp. 352-4; Gaz. vol. 135; p. 1195.
- Bell, G. F., Sistersville, W. Va. Vehicle-tongue support. No. 880,776; Mar. 3; Sp. p. 581; Dr. p. 123; Gaz. vol. 133; p. 100.
- Bell, G. L., Elk Valley, Tenn. Railway-frog. No. 889,747; June 2; Sp. p. 1093; Dr. p. 253; Gaz. vol. 134; p. 1235.
- Bell, G. W., Liverpool, England. Pneumatic suspension device for vehicle-bodies. No. 876,426; Jan. 14; Sp. p. 1492; Dr. pp. 320-1; Gaz. vol. 132; p. 275.
- Bell, H. (See Bell, E. W. and H.)
- Bell, H. A. (See Calvin and Bell.)
- Bell, H. B. (See Bell, W. and H. B.)
- Bell, H. M., Houston, Tex. Combined rubber dam and tooth-backing punch. No. 888,297; May 19; Sp. p. 3931; Dr. p. 82; Gaz. vol. 134; p. 702.
- Bell, H. M., Houston, Tex. Indicator. No. 906,679; Dec. 15; Sp. p. 3016; Gaz. vol. 137; p. 1543.
- Bell, I. A., Cedar Rapids, Iowa. Camera. No. 885,010; Apr. 21; Sp. p. 2735; Dr. pp. 580-1; Gaz. vol. 133; p. 1688.
- Bell, J. A. (See Miller, H. B., assignor.)
- Bell, J. A., Bagleys Mills, Va. Device for steaming tobacco. No. 901,224; Oct. 13; Sp. p. 2373; Dr. p. 485; Gaz. vol. 136; p. 1474.
- Bell, J. B., Wilmington, Del. Linotype-machine. No. 879,239; Feb. 18; Sp. p. 2759; Dr. pp. 577-8; Gaz. vol. 132; p. 1362.
- Bell, J. C., Cleveland, Ohio. Commercial paper. No. 881,291; Mar. 10; Sp. p. 1605; Dr. p. 344; Gaz. vol. 133; p. 290.
- Bell, J. C., Cleveland, Ohio. Check. No. 883,380; Mar. 31; Sp. p. 5782; Dr. p. 1234; Gaz. vol. 133; p. 1070.
- Bell, J. C., Cleveland, Ohio. Check or money-order. No. 883,381; Mar. 31; Sp. p. 5783; Dr. p. 1234; Gaz. vol. 133; p. 1071.
- Bell, J. E., Carenton, Ohio, assignor to Babcock & Wilcox Company, New York, N. Y. Superheater-boiler. No. 907,118; Dec. 22; Sp. p. 3569; Gaz. vol. 137; p. 1719.
- Bell, J. F., Schenectady, N. Y. Vegetable-cutter. No. 893,425; July 14; Sp. p. 2086; Dr. p. 437; Gaz. vol. 135; p. 372.
- Bell, N. M., Aurora, Ill. Thill-coupling. No. 889,190; June 2; Sp. p. 6; Dr. p. 2; Gaz. vol. 134; p. 1058.
- Bell, R. A., and J. B. McKiel, Marshall, Tex. Headlight. No. 896,794; Aug. 25; Sp. p. 4031; Dr. p. 867; Gaz. vol. 135; p. 1622.
- Bell, R. W., *et al.* (See Gill and Barry, assignors.)
- Bell, S. W., assignor to one-half to W. J. Wark, Marietta, Ohio. Self-cleaning knockdown poultry and merchandise shipping-crate. No. 889,191; June 2; Sp. p. 7; Dr. p. 3; Gaz. vol. 134; p. 1058.
- Bell, T. A., and E. J. Uhle, New York, N. Y. Safety-razor. No. 901,062; Oct. 13; Sp. p. 2091; Dr. p. 425; Gaz. vol. 136; p. 1424.
- Bell, T. R., New York, N. Y. Safety-controlling mechanism. No. 879,847; Feb. 25; Sp. p. 4023; Dr. p. 843; Gaz. vol. 132; p. 1593.
- Bell, V. C. (See De Barry, A. J., assignor.)
- Bell, V. C., New York, N. Y. Tooth-brush. No. 888,138; May 19; Sp. p. 3637; Dr. p. 762; Gaz. vol. 134; p. 650.
- Bell, W. H., Huntsville, Ala. Machine for wrapping grafts. No. 886,923; May 5; Sp. p. 1173; Dr. p. 247; Gaz. vol. 134; p. 194.
- Bell, W. and H. B., Mosman, near Sydney, New South Wales, Australia. Manufacture of half-tone printing-blocks. No. 897,051; Aug. 25; Sp. p. 4600; Dr. p. 980; Gaz. vol. 135; p. 1709.
- Bell, W. J., assignor to Los Angeles Switch and Signal Company, Los Angeles, Cal. Power-applying apparatus for operating switches, signals, and other devices. No. 897,516; Sept. 1; Sp. p. 567; Dr. p. 119; Gaz. vol. 136; p. 90.
- Bellamy, F. H., assignor to J. C. Perkins, Big Sandy, Tenn. Horse-collar. No. 876,289; Jan. 7; Sp. p. 1183; Dr. p. 258; Gaz. vol. 132; p. 199.
- Bellany, S. R., Fruitvale, Cal. Centrifugal filter. No. 893,299; July 14; Sp. p. 1839; Dr. p. 385; Gaz. vol. 135; p. 331.
- Belle, B., assignor to Lowenstein & Heller, New York, N. Y. Device for making wire hat-frames. No. 891,227; June 23; Sp. p. 4139; Dr. p. 906; Gaz. vol. 134; p. 1811.
- Bellens, C. (See Lentz and Bellens.)
- Belleville Baler Company. (See Wehrenberg, C. E., assignor.) (Reissue.)
- Bellis, J., Shreveport, La. Collapsible umbrella. No. 883,277; Mar. 31; Sp. p. 5558; Dr. p. 1186; Gaz. vol. 133; p. 1037.
- Belliss & Marcom. (See Jude, A., assignor.)
- Belloni, D., Edri, Pa. Rail-bender. No. 902,470; Oct. 27; Sp. p. 5034; Dr. p. 1019; Gaz. vol. 136; p. 1949.
- Belloc, L., Paris, France. Centrifugal pump. No. 903,658; Nov. 10; Sp. p. 2256; Gaz. vol. 137; p. 398.
- Bellows, A. P., Portersville, Cal. Squirrel-exterminator. No. 884,888; Apr. 14; Sp. p. 2493; Dr. p. 526; Gaz. vol. 133; p. 1618.
- Bellows, B. F., Cleveland, Ohio. Card-shuffling device. No. 892,389; July 7; Sp. p. 2; Dr. p. 1; Gaz. vol. 135; p. 3.
- Bellows, B. F., Sioux City, Iowa, assignor to one-half to C. G. T. Flageolle, Jefferson, S. D. Window-shade hanger. No. 892,798; July 7; Sp. p. 795; Dr. p. 168; Gaz. vol. 135; p. 136.
- Bellows, B. F., Cleveland, Ohio, assignor to Electric Compositor Company, New York, N. Y. Spacer selecting and releasing mechanism for use in justifying matrix or type lines. No. 895,231; Aug. 4; Sp. p. 908; Dr. pp. 191-2; Gaz. vol. 135; p. 1047.
- Bellows, B. F., and A. Behner, Cleveland, Ohio; said Behner assignor to said Bellows. Telegraph instrument. No. 886,755; May 5; Sp. p. 861; Dr. p. 179; Gaz. vol. 134; p. 143.
- Beluzzo, G., Milan, Italy. Stuffing-box for elastic-fluid turbines. No. 837,189; Aug. 25; Sp. p. 4855; Dr. p. 1032; Gaz. vol. 135; p. 1751.
- Belluzzo, G., Milan, Italy. Steam-turbine. No. 903,046; Nov. 3; Sp. p. 1037; Gaz. vol. 137; p. 170.
- Belt, J. E., Minneapolis, Minn. Ore-separator. No. 883,278; Mar. 31; Sp. p. 5560; Dr. p. 1186; Gaz. vol. 133; p. 1038.
- Belt, J. E., Minneapolis, Minn. Current-motor. No. 895,534; Aug. 11; Sp. p. 1526; Dr. p. 323; Gaz. vol. 135; p. 1171.
- Belt, W. E., Dodge Center, Minn. Power-transmission mechanism. No. 898,175; Sept. 8; Sp. p. 1925; Dr. p. 411; Gaz. vol. 136; p. 334.
- Beltzer, A., Quincy, Mass., assignor to Industrial Oxygen Company, New York, N. Y. Oxygen-generator. No. 895,331; Aug. 4; Sp. p. 1121; Dr. p. 236; Gaz. vol. 135; p. 1080.
- Beltzer A., and C. Delcampe, Bridgeport, Conn. Autogenous method of welding cast-iron. No. 907,718; Dec. 29; Sp. p. 5136; Gaz. vol. 137; p. 1950.
- Belvin, P., Richmond, Va. Heating and ventilating system. No. 891,900; June 30; Sp. p. 5530; Dr. p. 1193; Gaz. vol. 134; p. 2066.
- Belz, H. E., Chicago, Ill. Steaming apparatus. No. 902,366; Oct. 27; Sp. p. 4813; Dr. p. 972; Gaz. vol. 136; p. 1916.
- Beman, H. C., Meadville, Pa. Dust-absorbing compound and making same. No. 884,558; Apr. 14; Sp. p. 1799; Gaz. vol. 133; p. 1510.
- Bemis, E. W., Worcester, Mass. Work-holding mechanism for metal-working machines. No. 892,927; July 7; Sp. p. 1083; Dr. pp. 227-8; Gaz. vol. 135; p. 180.
- Bemis, G. C., assignor to Nail-Less Cushion Heel-Seat Company, Lynn, Mass. Boot and shoe and innersole therefor. No. 889,093; May 26; Sp. p. 5562; Dr. p. 1182; Gaz. vol. 134; p. 993.
- Bemis, W. L., Brockton, Mass. Eyeglasses. No. 880,002; Feb. 25; Sp. p. 4367; Dr. p. 915; Gaz. vol. 132; p. 1645.
- Ben Steele Weigher Manufacturing Company. (See Steele, B. M., assignor.)
- Ben Steele Weigher Manufacturing Company. (See Steele and Gardner, assignors.)
- Benas, M. B. (See Mayers and Benas.)
- Benbow-Brammer Manufacturing Company. (See Meves, G. N., assignor.)
- Benda, H. R., New York, N. Y. Thread-cutting clip. No. 889,429; June 2; Sp. p. 473; Dr. p. 113; Gaz. vol. 134; p. 1135.

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- Bendel, J., Paris, France. Apparatus for treatment of ramie and other textile substances. No. 897,956; Sept. 8; Sp. p. 1486; Dr. p. 316; Gaz. vol. 136; p. 264.
- Bender, C. A., Harrisburg, Pa. Rotary engine. No. 904,749; Nov. 24; Sp. p. 4557; Gaz. vol. 137; p. 823.
- Bender, C. C., Canton, and W. L. Bender, Massillon, Ohio. Automatic safety attachment for railway-switches. No. 906,094; Dec. 8; Sp. p. 1926; Gaz. vol. 137; p. 1329.
- Bender Car Door Company. (See Slayton, F. T., assignor.)
- Bender, E. F. (See Hudson, S. G., assignor.)
- Bender, H. F., Harpster, Ohio. Rail-fastener. No. 885,712; Apr. 28; Sp. p. 4199; Dr. p. 878; Gaz. vol. 133; p. 1944.
- Bender, J. S., Kansas City, Mo. Grain-door for box-cars. No. 880,476; Feb. 25; Sp. p. 5337; Dr. pp. 1124-5; Gaz. vol. 132; p. 1803.
- Bender, O., Neu-Babelsberg, near Berlin, Germany. Nozzle for the supply of liquid or gaseous fuel to furnaces. No. 881,842; Mar. 10; Sp. p. 2678; Dr. p. 573; Gaz. vol. 133; p. 476.
- Bender, O., Neu-Babelsberg, Germany. Making nitric acid. No. 900,471; Oct. 6; Sp. p. 856; Dr. p. 174; Gaz. vol. 136; p. 1205.
- Bender, O., Neu-Babelsberg, near Berlin, Germany. Making sulfuric acid. No. 900,688; Oct. 6; Sp. p. 1327; Dr. p. 271; Gaz. vol. 136; p. 1276.
- Bender, R. A., and W. F. Schomburg, San Antonio, Tex. Spark-arrester. No. 890,015; June 9; Sp. p. 1634; Dr. p. 366; Gaz. vol. 134; p. 1349.
- Bender, R. C., St. Louis, Mo. Oyster-carrier. No. 881,653; Mar. 10; Sp. p. 2320; Dr. p. 502; Gaz. vol. 133; p. 417.
- Bender, R. C., St. Louis, Mo. Oyster-carrier. No. 888,298; May 19; Sp. p. 3932; Dr. p. 827; Gaz. vol. 134; p. 702.
- Bender, R. C., St. Louis, Mo. Oyster-carrier. No. 893,973; July 21; Sp. p. 3332; Dr. p. 683; Gaz. vol. 135; p. 582.
- Bender, R. C., St. Louis, Mo. Box-fastener. No. 903,659; Nov. 10; Sp. p. 2258; Gaz. vol. 137; p. 398.
- Bender, W. L. (See Bender, C. C. and W. L.)
- Bendien, A., Almelo, Netherlands. Automatic machine for folding cloth and the like. No. 883,687; Apr. 7; Sp. p. 7; Dr. pp. 2-3; Gaz. vol. 133; p. 1196.
- Bendix Company. (See Bendix, V., assignor.)
- Bendix, V., assignor to Bendix Company, Chicago, Ill. Friction-drive for motor-vehicles. No. 905,980; Dec. 8; Sp. p. 1713; Gaz. vol. 137; p. 1233.
- Bendmann, P., Berlin, Germany, assignor to General Electric Company. Inverse time-limit relay. No. 897,812; Sept. 1; Sp. p. 1160; Dr. p. 247; Gaz. vol. 136; p. 184.
- Benedick, J. J., Oakland Cal. Steam-shovel. No. 876,517; Jan. 14; Sp. p. 1694; Dr. p. 369; Gaz. vol. 132; p. 307.
- Benedict, C. L., Toronto, Ontario, Canada. Combined letter-sheet and envelope. No. 881,534; Mar. 10; Sp. p. 2069; Dr. pp. 452-3; Gaz. vol. 133; p. 376.
- Benedict, C. L., Toronto, Ontario, Canada. Loose-leaf binder. No. 906,095; Dec. 8; Sp. p. 1930; Gaz. vol. 137; p. 1330.
- Benedict, G. H., Chicago, Ill. Aeroplane. No. 879,848; Feb. 25; Sp. p. 4025; Dr. p. 894; Gaz. vol. 132; p. 1593.
- Benedict, G. H., Chicago, Ill. Proportional dividers. No. 896,614; Aug. 18; Sp. p. 3641; Dr. p. 782; Gaz. vol. 135; p. 1540.
- Benedict, H. E., assignor to United States Smelting, Refining & Mining Company, Salt Lake City, Utah. Bag-house. No. 898,426; Sept. 15; Sp. p. 2397; Dr. pp. 512-14; Gaz. vol. 136; p. 447.
- Benedict, H. J. (See Chelson and Benedict.)
- Benefiel, H. C., Vandalia, Ill. Poultry feeding and watering device. No. 905,278; Dec. 1; Sp. p. 304; Gaz. vol. 137; p. 1035.
- Benaventano, G. (See Bricker, J. W., assignor.)
- Benford, R. B., assignor of two-thirds to J. T. Matthews, Pittsburg, and G. W. Jones, Sewickley, Pa. Cross-line buckle. No. 899,375; Sept. 22; Sp. p. 4208; Dr. p. 901; Gaz. vol. 136; p. 780.
- Bengton, C. A., assignor of one-third to J. Kuss, Los Angeles, Cal. Mechanism for displaying advertisements. No. 892,024; June 30; Sp. p. 5772; Dr. p. 1282; Gaz. vol. 134; p. 2104.
- Benisch, J. A., *et al.* (See Cuntz, H. F., assignor.)
- Benitz, L. C., Philadelphia, Pa. Shaving-soap cake. No. 906,371; Dec. 8; Sp. p. 2456; Gaz. vol. 137; p. 1422.
- Benjamin, C. F., Philadelphia, Pa. Expandible pulley. No. 896,267; Aug. 18; Sp. p. 2945; Dr. pp. 634-5; Gaz. vol. 135; p. 1429.
- Benjamin, D. H., Lebanon, Pa. Dampening-machine. No. 887,755; May 19; Sp. p. 2886; Dr. p. 608; Gaz. vol. 134; p. 525.
- Benjamin, E. A., San Diego, Cal. Door-equalizer. No. 905,137; Dec. 1; Sp. p. 23; Gaz. vol. 137; p. 988.
- Benjamin Eastwood Company. (See Eastwood and Schubler, assignors.)
- Benjamin Electric Manufacturing Company. (See Benjamin, R. B., assignor.)
- Benjamin Electric Manufacturing Company. (See Benjamin, R. B., assignor.) (Reissue.)
- Benjamin Electric Manufacturing Company. (See Froelich, H. C., assignor.)
- Benjamin Electric Manufacturing Company. (See Horton, B. D., assignor.)
- Benjamin Electric Manufacturing Company. (See Webb, D. L., assignor.)
- Benjamin, G. C., Barre, Vt. Self-oiling axle-box. No. 899,941; Sept. 29; Sp. p. 5387; Dr. p. 1149; Gaz. vol. 136; p. 1000.
- Benjamin, G. H. (See Finck, W. C., assignor.)
- Benjamin, G. H., New York, N. Y. Extruding metals. No. 896,683; Aug. 18; Sp. p. 3780; Dr. pp. 816-17; Gaz. vol. 135; p. 1560.
- Benjamin, G. H., New York, N. Y. Machine for extruding metals. No. 896,684; Aug. 18; Sp. p. 3782; Dr. p. 817; Gaz. vol. 135; p. 1560.
- Benjamin, G. H., New York, N. Y. Bessemerizing copper matte. No. 900,345; Oct. 6; Sp. p. 573; Dr. p. 119; Gaz. vol. 136; p. 1162.
- Benjamin, G. H., New York, N. Y. Smelting copper ores. No. 900,346; Oct. 6; Sp. p. 575; Dr. p. 119; Gaz. vol. 136; p. 1163.
- Benjamin, G. H., New York, N. Y., assignor to Coe Brass Manufacturing Company. Container for extrusion-machines. No. 887,717; May 12; Sp. p. 2790; Dr. p. 589; Gaz. vol. 134; p. 484.
- Benjamin, G. H., New York, N. Y., assignor to Coe Brass Manufacturing Company. Extrusion-machine. No. 887,718; May 12; Sp. p. 2791; Dr. p. 590; Gaz. vol. 134; p. 484.
- Benjamin, G. H., New York, N. Y., assignor to Coe Brass Manufacturing Company. Extrusion-machine. No. 888,299; May 19; Sp. p. 3934; Dr. p. 828; Gaz. vol. 134; p. 703.
- Benjamin, G. H., New York, N. Y., assignor to Coe Brass Manufacturing Company. Machine for extruding metals. No. 893,701; July 21; Sp. p. 2679; Dr. p. 562; Gaz. vol. 135; p. 492.
- Benjamin, G. H., New York, N. Y., assignor to Coe Brass Manufacturing Company. Casting hollow metal bodies. No. 895,535; Aug. 11; Sp. p. 1528; Dr. p. 323; Gaz. vol. 135; p. 1171.
- Benjamin, J., Chicago, Ill. Reflector. No. 906,096; Dec. 8; Sp. p. 1932; Gaz. vol. 137; p. 1330.
- Benjamin, J. E., Rochester, N. Y. Recording-desk and cash-holder. No. 885,713; Apr. 28; Sp. p. 4199; Dr. p. 879; Gaz. vol. 133; p. 1944.
- Benjamin, L. N. (See Tye and Benjamin.)
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment-plug. No. 879,723; Feb. 18; Sp. p. 3773; Dr. pp. 791-2; Gaz. vol. 132; p. 1520.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-lamp socket. No. 879,724; Feb. 18; Sp. p. 3776; Dr. p. 792; Gaz. vol. 132; p. 1520.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment-plug. No. 879,725; Feb. 18; Sp. p. 3778; Dr. p. 792; Gaz. vol. 132; p. 1521.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket. (Reissue.) No. 12,765; Mar. 24; Sp. p. 5306; Dr. p. 1132; Gaz. vol. 133; p. 969.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket. (Reissue.) No. 12,766; Mar. 24; Sp. p. 5309; Dr. p. 1133; Gaz. vol. 133; p. 969.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Cluster-lamp socket. No. 883,777; Apr. 7; Sp. p. 187; Dr. p. 35; Gaz. vol. 133; p. 1224.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket. No. 898,822; Sept. 15; Sp. p. 3157; Dr. p. 673; Gaz. vol. 136; p. 573.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket. No. 898,823; Sept. 15; Sp. p. 3159; Dr. p. 676; Gaz. vol. 136; p. 574.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket. No. 898,824; Sept. 15; Sp. p. 3161; Dr. p. 676; Gaz. vol. 136; p. 574.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket. No. 898,825; Sept. 15; Sp. p. 3163; Dr. p. 676; Gaz. vol. 136; p. 574.
- Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket. No. 898,826; Sept. 15; Sp. p. 3165; Dr. p. 677; Gaz. vol. 136; p. 575.
- Benjamin, W. R., Granite City, Ill. Check-controlled display mechanism. No. 879,139; Feb. 18; Sp. p. 2572; Dr. p. 535; Gaz. vol. 132; p. 1328.
- Benker, U. F., Clichy, France. Manufacture of sulfuric acid and sodium sulfate. No. 899,284; Sept. 22; Sp. p. 4051; Gaz. vol. 136; p. 752.
- Benner, H. W., Chambersburg, Pa., assignor to International Gas Development Company. Manufacturing gas. No. 896,795; Aug. 25; Sp. p. 4032; Dr. p. 868; Gaz. vol. 135; p. 1622.
- Benner, H. W., Chambersburg, Pa., assignor to International Gas Development Company. Manufacturing gas. No. 899,690; Sept. 29; Sp. p. 4841; Dr. p. 1037; Gaz. vol. 136; p. 918.

Alphabetical list of patentees—Continued.

- Benner, L. D., Peoria, Ill. Corn-planter. No. 893,426; July 14; Sp. p. 2086; Dr. pp. 437-8; Gaz. vol. 135; p. 373.
- Benner, L. D., Peoria, Ill., assignor to Union Bag & Paper Co., New York, N. Y. Paper bag. No. 908,380; Dec. 29; Sp. p. 6535; Gaz. vol. 137; p. 2172.
- Benner, R. E., assignor to Burroughs Adding Machine Company, Detroit, Mich. Full-stroke mechanism for adding-machines. No. 903,536; Nov. 10; Sp. p. 2005; Gaz. vol. 137; p. 360.
- Benners, E. H., Elizabeth, N. J. Side frame for car-trucks. No. 903,535; Nov. 10; Sp. p. 2002; Gaz. vol. 137; p. 359.
- Benners, E. H., Elizabeth, N. J. Car-truck. No. 904,670; Nov. 24; Sp. p. 4388; Gaz. vol. 137; p. 797.
- Bennerscheidt, A., San Francisco, Cal. Protective shield for windows. No. 881,455; Mar. 10; Sp. p. 1919; Dr. p. 418; Gaz. vol. 133; p. 350.
- Bennerscheidt, A., San Francisco, Cal. Sash-lock and antirattler. No. 885,568; Apr. 21; Sp. p. 3917; Dr. p. 817; Gaz. vol. 133; p. 1868.
- Bennet, C. E., Cincinnati, Ohio. Wire-screen-cloth rack. No. 892,214; June 30; Sp. p. 6144; Dr. p. 1323; Gaz. vol. 134; p. 2167.
- Benneth, H. C., Cocalico, Pa. Railway-tie. No. 900,648; Oct. 6; Sp. p. 1239; Dr. p. 254; Gaz. vol. 136; p. 1263.
- Bennett, A., Buffalo, N. Y. Non-refillable bottle. No. 885,425; Apr. 21; Sp. p. 3615; Dr. p. 758; Gaz. vol. 133; p. 1825.
- Bennett, A., Raquette Lake, N. Y. Water-scoop for locomotive-tenders. No. 901,315; Oct. 20; Sp. p. 2577; Dr. p. 530; Gaz. vol. 136; p. 1539.
- Bennett, A. B., Opelika, Ala. Combined cigar-cutter and match-safe. No. 890,119; June 9; Sp. p. 1849; Dr. pp. 407-8; Gaz. vol. 134; p. 1385.
- Bennett, A. B., Opelika, Ala. Baling-press. No. 899,502; Sept. 29; Sp. p. 4449; Dr. p. 955; Gaz. vol. 136; p. 857.
- Bennett, A. E. G., Fitzroy, and W. R. Findlay, St. Kilda, Victoria, Australia. Hingeable cuff attachment for shirts and the like. No. 885,971; Apr. 28; Sp. p. 4756; Dr. p. 999; Gaz. vol. 133; p. 2032.
- Bennett, B. B., Detroit, assignor, by mesne assignments, to Daisy Manufacturing Co., Plymouth, Mich. Air-gun. No. 897,813; Sept. 1; Sp. p. 1163; Dr. p. 248; Gaz. vol. 136; p. 185.
- Bennett, C. A., *et al.* (See Tingley, L. M., assignor.)
- Bennett, C. A., Dover, N. J. Type-writing machine. No. 888,457; May 26; Sp. p. 4263; Dr. pp. 902-3; Gaz. vol. 134; p. 784.
- Bennett, C. L. (See Boylan and Bennett.)
- Bennett, C. W., assignor to American Sheet & Tin Plate Company, Pittsburg, Pa. Apparatus for loosening sheets. No. 908,381; Dec. 29; Sp. p. 6536; Gaz. vol. 137; p. 2172.
- Bennett, D., Battle Creek, Mich. Manufacture of fuel-briquets. No. 895,943; Aug. 11; Sp. p. 2322; Dr. p. 495; Gaz. vol. 135; p. 1301.
- Bennett, E. C., New York, N. Y. Removable dental bridgework. No. 883,382; Mar. 31; Sp. p. 5785; Dr. pp. 1234-5; Gaz. vol. 133; p. 1071.
- Bennett, E. D., Pulaski, N. Y. Railway-tie construction. No. 892,025; June 30; Sp. p. 5773; Dr. p. 1283; Gaz. vol. 134; p. 2105.
- Bennett, E. M., Sulphur, Okla. Kitchen-cabinet. No. 882,368; Mar. 17; Sp. p. 3753; Dr. pp. 798-9; Gaz. vol. 133; p. 676.
- Bennett, E. S., New York, N. Y. Automatic screen-cleaner. No. 906,995; Dec. 15; Sp. p. 3618; Gaz. vol. 137; p. 1644.
- Bennett, F., New York, N. Y. Sofa-bed. No. 888,865; May 26; Sp. p. 5119; Dr. p. 1091; Gaz. vol. 134; p. 919.
- Bennett, F. A. and S. L., Moline, Ill. Bread, cake, and pie-lifter. No. 901,671; Oct. 20; Sp. p. 3350; Dr. p. 687; Gaz. vol. 136; p. 1658.
- Bennett, F. M., Orange, Cal. Feed-box. No. 896,268; Aug. 18; Sp. p. 2948; Dr. p. 635; Gaz. vol. 135; p. 1429.
- Bennett, F. M., New York, N. Y. Incandescent lamp. No. 898,715; Sept. 15; Sp. p. 2962; Dr. p. 635; Gaz. vol. 136; p. 539.
- Bennett, G. L., Trenton, N. J. Hot-water heater. No. 891,455; June 23; Sp. p. 4596; Dr. p. 999; Gaz. vol. 134; p. 1886.
- Bennett, G. L., Trenton, N. J. Center and feed guide for punches. No. 893,427; July 14; Sp. p. 2094; Dr. pp. 438-9; Gaz. vol. 135; p. 373.
- Bennett, G. M., Kenosha, Wis. Unloading and transferring apparatus. No. 886,468; May 5; Sp. p. 254; Dr. p. 53; Gaz. vol. 134; p. 47.
- Bennett, G. M., assignor of one-half to T. Forgham, Kenosha, Wis. Coal unloading and distributing apparatus. No. 895,064; Aug. 4; Sp. p. 577; Dr. pp. 118-20; Gaz. vol. 135; p. 959.
- Bennett, G. S., San Francisco, Cal. Steam-blast gas-burner. No. 885,972; Apr. 28; Sp. p. 4757; Dr. p. 999; Gaz. vol. 133; p. 2032.
- Bennett, H. C., See Broad, H., assignor.)
- Bennett, J. C., Brooklyn, N. Y. Folding chair. No. 902,471; Oct. 27; Sp. p. 5035; Dr. p. 1019; Gaz. vol. 136; p. 1950.
- Bennett, J. H., Kansas City, Mo. Furnace. No. 880,710; Mar. 3; Sp. p. 440; Dr. p. 92; Gaz. vol. 133; p. 77.
- Bennett, J. H., Worcester, Mass. Ferrule for handles. No. 901,063; Oct. 13; Sp. p. 2093; Dr. p. 425; Gaz. vol. 136; p. 1425.
- Bennett, J. H., New York, N. Y. Gas-stove. No. 904,243; Nov. 17; Sp. p. 3503; Gaz. vol. 137; p. 627.
- Bennett, J. J., Pittsfield, assignor of one-half to L. B. Estes, North Adams, Mass. Mounting for trolley-heads. No. 905,784; Dec. 1; Sp. p. 1324; Gaz. vol. 137; p. 1201.
- Bennett, J. J., and J. Klein, Centralia, Ill. Safety device for elevators. No. 883,279; Mar. 31; Sp. p. 5562; Dr. p. 1187; Gaz. vol. 133; p. 1038.
- Bennett, M. K., Englewood, N. J. Combined corset-cover and undervest. No. 907,444; Dec. 22; Sp. p. 4541; Gaz. vol. 137; p. 1830.
- Bennett, N. F., Sunderland, Ontario, Canada. Tongue-support for vehicles. No. 897,957; Sept. 8; Sp. p. 1488; Dr. p. 317; Gaz. vol. 136; p. 265.
- Bennett, P. E., Roseton, N. Y. Grate for brick-kilns. No. 877,835; Jan. 28; Sp. p. 4354; Dr. p. 945; Gaz. vol. 132; p. 798.
- Bennett, R. B. and W. W., Westerville, Ohio. Block-molding machine. No. 895,414; Aug. 11; Sp. p. 1279; Dr. p. 269; Gaz. vol. 135; p. 1130.
- Bennett, R. F., Portland, Me. Pile-driving machine. No. 884,631; Apr. 14; Sp. p. 1947; Dr. p. 418; Gaz. vol. 133; p. 1533.
- Bennett, R. H., assignor of two-thirds to D. W. Davies and S. Winterbottom, Amsterdam, N. Y. Heel. No. 881,535; Mar. 10; Sp. p. 2071; Dr. p. 453; Gaz. vol. 133; p. 377.
- Bennett, S. (See Lammers and Bennett.)
- Bennett, S. L. (See Bennett, F. A. and S. L.)
- Bennett, T. B. and C. P. Smith, Flanagan, Ill. Elevator. No. 894,419; July 28; Sp. p. 4282; Dr. p. 883; Gaz. vol. 135; p. 750.
- Bennett, T. S., Attleboro, Mass. Riveting-machine. No. 877,982; Feb. 4; Sp. p. 171; Dr. p. 38; Gaz. vol. 132; p. 878.
- Bennett, T. S., Attleboro, Mass. Band for bracelets. No. 897,869; Sept. 8; Sp. p. 1284; Dr. p. 275; Gaz. vol. 136; p. 235.
- Bennett, W. B., Ross township, Allegheny county, assignor to Union Steel Casting Company, Pittsburg, Pa. Annealing-box. No. 895,415; Aug. 11; Sp. p. 1287; Dr. p. 270; Gaz. vol. 135; p. 1131.
- Bennett, W. B., Ross township, Allegheny county, assignor to Union Steel Casting Company, Pittsburg, Pa. Annealing-box. No. 898,172; Sept. 8; Sp. p. 1920; Dr. p. 410; Gaz. vol. 136; p. 335.
- Bennett, W. H., assignor to S. Wile, Rochester, N. Y. Work-clamp. No. 884,004; Apr. 7; Sp. p. 681; Dr. p. 137; Gaz. vol. 133; p. 1301.
- Bennett, W. J., *et al.* (See English, A. L., assignor.)
- Bennett, W. W. (See Bennett, R. B. and W. W.)
- Bennie, P. M., Niagara Falls, N. Y., assignor to National Carbon Company. Preparing carbon articles. No. 889,891; June 9; Sp. p. 1384; Dr. p. 314; Gaz. vol. 134; p. 1307.
- Bennington, A. L. (See Bennington, J. F., J. S., Jr., and A. L.)
- Bennington, J. F., J. S., Jr., and A. L., La Harpe, Ill. Washing-machine. No. 877,627; Jan. 28; Sp. p. 3993; Dr. pp. 862-3; Gaz. vol. 132; p. 736.
- Bennington, J. S., Jr. (See Bennington, J. F., J. S., Jr., and A. L.)
- Bennis, E., Astley Bridge, Bolton, England. Fire-bar applicable for steam-boiler and other furnaces. No. 889,892; June 9; Sp. p. 1386; Dr. p. 314; Gaz. vol. 134; p. 1307.
- Bennum, G. W., Georgetown, Del. Escapement. No. 877,881; Jan. 28; Sp. p. 4449; Dr. p. 970; Gaz. vol. 132; p. 816.
- Bennum, G. W., Georgetown, Del. Fountain-pen. No. 879,436; Feb. 18; Sp. p. 3169; Dr. p. 659; Gaz. vol. 132; p. 1426.
- Benoist, H., Paris, France. Igniter for explosion-engines. No. 898,427; Sept. 15; Sp. p. 2399; Dr. p. 514; Gaz. vol. 136; p. 447.
- Benoit, A. (See Guéniffet, Benoist, and Nicault.)
- Bens, S. J., assignor to West Coast Machinery Company, San Francisco, Cal. Endless-chain saw. No. 893,897; July 21; Sp. p. 3164; Dr. p. 651; Gaz. vol. 135; p. 557.
- Bensch, H., New York, N. Y. Air-pressure system for turrets and the like. No. 903,660; Nov. 10; Sp. p. 2259; Gaz. vol. 137; p. 399.
- Benscheidt, C., Alfeld, Germany. Support for use in finishing lasts. No. 877,826; Jan. 28; Sp. p. 4355; Dr. p. 945; Gaz. vol. 132; p. 798.
- Bensing, J., Malinta, Ohio. Mold-forming machine. No. 896,194; Aug. 18; Sp. p. 2799; Dr. p. 603; Gaz. vol. 135; p. 1403.
- Bensley, A. W., Pawtucket, R. I. Adjustable support for electric wires. No. 903,807; Nov. 10; Sp. p. 2551; Gaz. vol. 137; p. 445.
- Benson, A., assignor to L. E. Curtis, Chicago, Ill. Cutting sheet metal. No. 901,772; Oct. 20; Sp. p. 3593; Dr. p. 727; Gaz. vol. 136; p. 1693.
- Benson, A., assignor to L. E. Curtis, Chicago, Ill. Machine for cutting sheet metal. No. 901,773; Oct. 20; Sp. p. 3595; Dr. p. 727; Gaz. vol. 136; p. 1694.
- Benson, C. A., Red Wing, Minn. Leveling device. No. 894,933; Aug. 4; Sp. p. 321; Dr. p. 64; Gaz. vol. 135; p. 945.
- Benson, F. G., Vancouver, British Columbia, Canada. Folding screw-driver. No. 906,855; Dec. 15; Sp. p. 3362; Gaz. vol. 137; p. 1600.
- Benson, F. S., Jr. (See Stiles and Benson.)
- Benson, G. T., Port Huron, assignor of one-fourth to H. L. Nelson, Detroit, Mich. Combined can-top and sample-carrier. No. 876,427; Jan. 14; Sp. p. 1493; Dr. p. 321; Gaz. vol. 132; p. 275.
- Benson, H. H., Rockford, Ill. Internal-combustion engine. No. 891,394; June 23; Sp. p. 4487; Dr. pp. 976-7; Gaz. vol. 134; p. 1867.
- Benson, J. C. P., Chicago, Ill. Roof. No. 899,022; Sept. 22; Sp. p. 3523; Dr. p. 755; Gaz. vol. 136; p. 667.
- Benson, J. S., Iowa City, Iowa. Gas-engine. No. 879,726; Feb. 18; Sp. p. 3781; Dr. p. 792; Gaz. vol. 132; p. 1521.

Alphabetical list of patentees—Continued.

- Benson, L., and W. Abrams, Newark, N. J. Pump. No. 889,430; June 2; Sp. p. 474; Dr. p. 113; Gaz. vol. 134; p. 1135.
- Benson, L. E., Chicago, Ill. Washboard. No. 903,950; Nov. 17; Sp. p. 2882; Gaz. vol. 137; p. 526.
- Benson, M. P. (See Morrison and Benson.)
- Benson, O., assignor of one-half to E. Buscher, South Omaha, Nebr. Block-molding machine. No. 895,614; Aug. 11; Sp. p. 1678; Dr. p. 354; Gaz. vol. 135; p. 1195.
- Benson, O. T., Worcester, Mass. Chimney or stack. No. 883,164; Mar. 31; Sp. p. 5322; Dr. p. 1135; Gaz. vol. 133; p. 999.
- Benson, S., assignor of two-thirds to W. B. Hutton and R. J. Parker, Spring Valley, Minn. Nut-lock. No. 877,628; Jan. 28; Sp. p. 3994; Dr. p. 863; Gaz. vol. 132; p. 736.
- Benson, S. W., Chicago, Ill. Supporter for books, telephones, and the like. No. 895,536; Aug. 11; Sp. p. 1529; Dr. pp. 323-4; Gaz. vol. 135; p. 1171.
- Benteen, W. H. (See Pinkerton, H. J., assignor.)
- Benthall, J. T., Ahooskie, N. C. Peanut-stemmer. No. 890,401; June 9; Sp. p. 2432; Dr. pp. 537-8; Gaz. vol. 134; p. 1475.
- Bentley, C. M. (See Hargiss, E. W., assignor.)
- Bentley, H., trustee. (See Schultz and Gerding, assignors.)
- Bentley, H. G., Denver, Colo. Self-locking seal. No. 876,255; Jan. 7; Sp. p. 1103; Dr. p. 239; Gaz. vol. 132; p. 187.
- Bentley, J. (See George, Bentley, and Krough.)
- Bentley, T., assignor of one-half to M. V. Phipps, Hopkinton, and S. K. Paige, Brookline, Mass. Device for preventing singles in roving and similar frames. No. 878,451; Feb. 4; Sp. p. 1113; Dr. p. 228; Gaz. vol. 132; p. 1032.
- Bentley, W. F., Baltimore, Md. Railway journal-box appliance. No. 876,764; Jan. 14; Sp. p. 2193; Dr. p. 482; Gaz. vol. 132; p. 389.
- Bentley, W. F., Baltimore, Md., and G. W. Chessher, assignors of one-third to E. B. Miller, Keyser, W. Va. Lock for sliding doors. No. 902,520; Oct. 27; Sp. p. 5157; Dr. p. 1044; Gaz. vol. 136; p. 1968.
- Benton, A., and C. D. Jordan, Monticello, Ga. Planter. No. 885,136; Apr. 21; Sp. p. 3016; Dr. p. 636; Gaz. vol. 133; p. 1730.
- Benton, A., and C. D. Jordan, Monticello, Ga. Fender for cultivators. No. 895,716; Aug. 11; Sp. p. 1877; Dr. p. 398; Gaz. vol. 135; p. 1229.
- Benton, A., and C. D. Jordan, Monticello, Ga. Combined cultivator, harrow, and rake. No. 902,367; Oct. 27; Sp. p. 4814; Dr. p. 972; Gaz. vol. 136; p. 1916.
- Benton, A. J., Washington, D. C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Leading or slugging device. No. 889,893; June 9; Sp. p. 1387; Dr. p. 315; Gaz. vol. 134; p. 1308.
- Benton, C. R., Vergennes, Vt. Speed-indicator. No. 876,256; Jan. 7; Sp. p. 1104; Dr. p. 239; Gaz. vol. 132; p. 187.
- Benton, F. E., Stoughton, Mass. Shoe-last. No. 905,138; Dec. 1; Sp. p. 24; Gaz. vol. 137; p. 983.
- Benton, F. E., Stoughton, assignor of one-half to Woodward and Wright, Campello, Mass. Shoe-last. No. 880,711; Mar. 3; Sp. p. 443; Dr. p. 93; Gaz. vol. 133; p. 78.
- Benton, G. H., Metuchen, N. J. Gate-valve. No. 901,146; Oct. 13; Sp. p. 2242; Dr. p. 456; Gaz. vol. 136; p. 1451.
- Benzenhafer, C. J., Philadelphia, Pa. Valve. No. 903,436; Nov. 10; Sp. p. 1789; Gaz. vol. 137; p. 326.
- Benzon, G. H., Jr., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Clamping mechanism for planing-machines, boring-mills, and the like. No. 904,922; Nov. 24; Sp. p. 4928; Gaz. vol. 137; p. 880.
- Beppeler, C. A., New York, N. Y. Phonograph-horn. No. 881,843; Mar. 10; Sp. p. 2680; Dr. pp. 573-4; Gaz. vol. 133; p. 476.
- Bequette, P. M., Los Angeles, Cal. Sewing-awl. No. 906,372; Dec. 8; Sp. p. 2457; Gaz. vol. 137; p. 1422.
- Berard, J. S., Fall River, assignor of three-fourths to S. Berard, Attleboro, T. Plante, J. E. Beland, and J. Boucher, North Attleboro, Mass. Bobbin and cord builder for winding, spinning, and twisting machines. No. 905,049; Nov. 24; Sp. p. 5174; Gaz. vol. 137; p. 923.
- Berard, S., et al. (See Berard, J. S., assignor.)
- Berardini, M., New York, N. Y. Code message. No. 889,094; May 26; Sp. p. 5564; Dr. pp. 1182-3; Gaz. vol. 134; p. 993.
- Berardini, M., New York, N. Y. Code message. No. 889,095; May 26; Sp. p. 5567; Dr. p. 1183; Gaz. vol. 134; p. 993.
- Berbecker & Rowland Manufacturing Company. (See Bond, L. W., assignor.)
- Berens, S., La Grange, assignor of one-half to W. J. Soper and P. J. Hiselman, Chicago, Ill. Regulating device for graphophone sound-boxes. No. 890,754; June 16; Sp. p. 3185; Dr. p. 696; Gaz. vol. 134; p. 1625.
- Berentsen, H. G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Clamping device. No. 889,894; June 9; Sp. p. 1389; Dr. p. 315; Gaz. vol. 134; p. 1308.
- Beresin, P., St. Petersburg, Russia. Manufacturing artificial caoutchouc. No. 881,536; Mar. 10; Sp. p. 2072; Gaz. vol. 133; p. 377.
- Berg, A. H., Clarkfield, Minn. Threshing-machine cylinder. No. 881,292; Mar. 10; Sp. p. 1607; Dr. p. 344; Gaz. vol. 133; p. 300.
- Berg, A. J., Chicago, Ill. Car-fender. No. 889,504; June 2; Sp. p. 633; Dr. p. 147; Gaz. vol. 134; p. 1158.
- Berg, C. (See Doty, A. J., assignor.)
- Berg, C. (See Johnson, C. J. F., assignor.)
- Berg, C., New York, N. Y. Heated steering-wheel. No. 878,708; Feb. 11; Sp. p. 1740; Dr. p. 360; Gaz. vol. 132; p. 1152.
- Berg, C., New York, N. Y. Shrubbery-cutter. No. 888,058; May 19; Sp. p. 3482; Dr. p. 729; Gaz. vol. 134; p. 624.
- Berg, C., New York, N. Y. Emergency-calk for horses. No. 903,830; Nov. 17; Sp. p. 2610; Gaz. vol. 137; p. 484.
- Berg, C. O., assignor to J. S. Wilson, Chelsea, Mass. Machine for making flexible tubing. No. 876,257; Jan. 7; Sp. p. 1107; Dr. pp. 239-40; Gaz. vol. 132; p. 187.
- Berg, E. (See Campbell, A. J., assignor.)
- Berg, E., Schenectady, N. Y., assignor to General Electric Company. Cigar-lighter. No. 896,348; Aug. 18; Sp. p. 3117; Dr. p. 670; Gaz. vol. 135; p. 1453.
- Berg, E. O., Madison, Minn. Rope-making machine. No. 905,636; Dec. 1; Sp. p. 1049; Gaz. vol. 137; p. 1152.
- Berg, H. (See Feldkamp, F. A., assignor.)
- Berg, H., Orange, N. J. Dynamo-electric machine. No. 881,456; Mar. 10; Sp. p. 1921; Dr. p. 418; Gaz. vol. 133; p. 351.
- Berg, J. (See Hirst, J. H., assignor.)
- Berg, J., Chicago, Ill. Combined cigar-receptacle, match-box and cigar-cutter. No. 908,065; Dec. 29; Sp. p. 5849; Gaz. vol. 137; p. 2064.
- Berg, L. J., Chicago, Ill., assignor to Metallic Sheathing Company. Metallic sheathing. No. 876,134; Jan. 7; Sp. p. 880; Dr. p. 189; Gaz. vol. 132; p. 149.
- Berg, L. J., Chicago, Ill., assignor to Metallic Sheathing Company. Trap-door. No. 883,443; Mar. 31; Sp. p. 5922; Dr. p. 1264; Gaz. vol. 133; p. 1092.
- Berg, L. J., Chicago, Ill., assignor to Metallic Sheathing Company. Curtain catch or holder. No. 883,444; Mar. 31; Sp. p. 5925; Dr. p. 1264; Gaz. vol. 133; p. 1092.
- Berg, L. J., Chicago, Ill., assignor to Metallic Sheathing Company. Center-bearing for car-bodies. No. 895,148; Aug. 4; Sp. p. 736; Dr. p. 153; Gaz. vol. 135; p. 1017.
- Berg, L. J., Chicago, Ill., assignor to Metallic Sheathing Company. Trap-door-operating mechanism. No. 899,443; Sept. 22; Sp. p. 4323; Dr. p. 929; Gaz. vol. 136; p. 801.
- Berg, M. M., Beardsley, Minn. Animal-trap. No. 894,576; July 28; Sp. p. 4588; Dr. p. 951; Gaz. vol. 135; p. 802.
- Berg, P. T. (See Stevens, R. H., assignor.)
- Berge, E., Minneapolis, Minn. Automatic draft-regulator for hot-water heating systems. No. 905,139; Dec. 1; Sp. p. 25; Gaz. vol. 137; p. 988.
- Berge, E. H., Zum, Dallas, Tex. Lifting-jack. No. 882,991; Mar. 24; Sp. p. 4970; Dr. p. 1057; Gaz. vol. 133; p. 913.
- Bergen Point Iron Works. (See Smith, A., assignor.)
- Bergener, C., assignor to C. T. Ham Manufacturing Company, Rochester, N. Y. Lamp and lantern. No. 880,184; Feb. 25; Sp. p. 4731; Dr. p. 1001; Gaz. vol. 132; p. 1704.
- Bergener, C., assignor to C. T. Ham Manufacturing Company, Rochester, N. Y. Vehicle-lamp. No. 896,703; Aug. 25; Sp. p. 3823; Dr. p. 827; Gaz. vol. 135; p. 1590.
- Bergener, C., assignor to C. T. Ham Manufacturing Company, Rochester, N. Y. Lamp and lantern. (Reissue.) No. 12,893; Dec. 15; Sp. p. 3836; Gaz. vol. 137; p. 1682.
- Bergens, W. J., Pittsburg, Pa. Automatic vacuum cleaning apparatus. No. 885,011; Apr. 21; Sp. p. 2737; Dr. p. 581; Gaz. vol. 133; p. 1689.
- Berger, C. L., Boston, Mass. Base for surveying instruments. No. 906,680; Dec. 15; Sp. p. 3017; Gaz. vol. 137; p. 1544.
- Berger, D., Philadelphia, Pa. Fly-shield. No. 907,719; Dec. 29; Sp. p. 5139; Gaz. vol. 137; p. 1950.
- Berger, J. (See Hayes and Berger, assignors.)
- Berger Manufacturing Company. (See Schlafly, J. H., assignor.)
- Berger, R. A., Brooklyn, N. Y., assignor, by mesne assignments, to Consolidated Wrapping Machine Company, Springfield, Mass. Wrapping-machine. No. 895,945; Aug. 11; Sp. p. 2325; Dr. pp. 496-8; Gaz. vol. 135; p. 1302.
- Berger, W. A., Boston, Mass. Mine-transit. No. 902,272; Oct. 27; Sp. p. 4598; Dr. p. 934; Gaz. vol. 136; p. 1883.
- Bergeron, A., et al. (See Babin, H., assignor.)
- Bergeron, J. P., Denver, Colo. Wheel advertising device. No. 896,885; Aug. 25; Sp. p. 4219; Dr. pp. 902-3; Gaz. vol. 135; p. 1651.
- Bergeron, J. P., assignor of one-half to J. W. McGaffey, Chicago, Ill. Receptacle for holding cigars. No. 902,521; Oct. 27; Sp. p. 5159; Dr. p. 1045; Gaz. vol. 136; p. 1968.
- Bergerson, H. E. (See Bergren, J. A., assignor.)
- Berget, T. C. X. A., Paris, France. Means for regulating the temperature in vehicles. No. 892,117; June 30; Sp. p. 5941; Dr. p. 1280; Gaz. vol. 134; p. 2135.

Alphabetical list of patentees—Continued.

- Bergholm, F., Jamestown, N. D. Locking whip-socket. No. 892,390; July 7; Sp. p. 4; Dr. p. 2; Gaz. vol. 135; p. 3.
- Bergien, E., Glenbeulah, Wis. Stock water-tank. No. 878,929; Feb. 11; Sp. p. 2158; Dr. p. 450; Gaz. vol. 132; p. 1222.
- Bergland, E., Portland, Ore. Garden-hose reel. No. 902,801; Nov. 3; Sp. p. 518; Gaz. vol. 137; p. 90.
- Berglund, K. J., Blixtorp, Fridenad, Sweden. Drawing instrument or attachment for such instruments. No. 891,810; June 30; Sp. p. 5358; Dr. p. 1159; Gaz. vol. 134; p. 2035.
- Berglund, O. R. P., W. A. W. E. Hjorth, and C. E. Ljungman, Stockholm, Sweden. Electric apparatus for the ignition of mines. No. 877,284; Jan. 21; Sp. p. 3294; Dr. p. 713; Gaz. vol. 132; p. 604.
- Berglund, S. W., Stockholm, Sweden. Artificial stone. No. 904,923; Nov. 24; Sp. p. 4931; Gaz. vol. 137; p. 880.
- Bergman, E. P., Concordia, Kans. Car-step. No. 884,889; Apr. 14; Sp. p. 2494; Dr. p. 526; Gaz. vol. 133; p. 1618.
- Bergman, J., *et al.* (See Ruse, C. L., assignor.)
- Bergman, P. F., and H. W. Grimes, St. Paul, Minn. Mail-bag catcher. No. 897,265; Sept. 1; Sp. p. 8; Dr. p. 2; Gaz. vol. 136; p. 3.
- Bergman, S. R., Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 876,930; Jan. 21; Sp. p. 2545; Dr. p. 556; Gaz. vol. 132; p. 483.
- Bergman, T. (See Mahoney, T. J., assignor.)
- Bergmann, C. N., assignor to Ward-Mackey Company, Pittsburg, Pa. Illuminating device for bake-ovens. No. 893,898; July 21; Sp. p. 3166; Dr. p. 651; Gaz. vol. 135; p. 557.
- Bergmann Elektricitäts Werke Aktiengesellschaft. (See Hissink, J., assignor.)
- Bergmann, O. (See Dirr and Bergmann.)
- Bergquist, A. E., Lindstrom, Minn. Strawberry-picker. No. 885,569; Apr. 21; Sp. p. 3918; Dr. p. 818; Gaz. vol. 133; p. 1869.
- Bergquist, A. E., Lindstrom, Minn. Door-opener. No. 885,570; Apr. 21; Sp. p. 3919; Dr. p. 818; Gaz. vol. 133; p. 1869.
- Bergquist, J. (See Nicklin and Bergquist.)
- Bergquist, J. A., Mason, Wis. Railway-tie. No. 901,316; Oct. 20; Sp. p. 2579; Dr. p. 531; Gaz. vol. 136; p. 1540.
- Bergquist, J. G., Chicago, Ill., assignor to American Sintering Company. Sintering blue-billy. No. 877,394; Jan. 21; Sp. p. 3500; Gaz. vol. 132; p. 638.
- Bergren, J. A., *et al.* (See Blom, C., assignor.)
- Bergren, J. A., assignor of one-half to H. E. Bergerson, Lake Park, Minn. Sleigh-knee. No. 877,285; Jan. 21; Sp. p. 3296; Dr. p. 713; Gaz. vol. 132; p. 604.
- Bergs, E., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing borneol esters. No. 903,047; Nov. 3; Sp. p. 1040; Gaz. vol. 137; p. 170.
- Bergsather, R. S., Northwood, Iowa. Warehouse-truck. No. 882,735; Mar. 24; Sp. p. 4460; Dr. p. 949; Gaz. vol. 133; p. 830.
- Bergsträsser, O., Dresden, Germany. Cigarette-machine. No. 899,376; Sept. 22; Sp. p. 4209; Dr. p. 901; Gaz. vol. 136; p. 781.
- Bergstrom, M. O., Canton, S. D. Plow. No. 881,457; Mar. 10; Sp. p. 1922; Dr. p. 418; Gaz. vol. 133; p. 351.
- Bergtheil and Young. (See Young, H. H., assignor.)
- Berkeley, H. G., Washington, D. C. Apparatus for cleaning blackboard-erasers. No. 895,232; Aug. 4; Sp. p. 914; Dr. p. 192; Gaz. vol. 135; p. 1047.
- Berkey, H. E., Monongahela, Pa., assignor to Pioneer Suspender Company. Clasp. No. 898,176; Sept. 8; Sp. p. 1929; Dr. p. 411; Gaz. vol. 136; p. 334.
- Berkovits, B. (See Moskovits, Berkovits, and Günsberger.)
- Berkshire, H. P. (See Pettit, F. A., assignor.)
- Berliet, M., Lyon, France. Internal-combustion motor. No. 904,671; Nov. 24; Sp. p. 4391; Gaz. vol. 137; p. 797.
- Berlin Machine Works. (See Lane, F. L., assignor.)
- Berlin Machine Works. (See Lane and Stevens, assignors.)
- Berlin Machine Works. (See Ross, H. B., assignor.)
- Berlin Machine Works. (See Stevens, B. D., assignor.)
- Berlin Machine Works. (See Thorsby, A., assignor.)
- Berliner, E. (See Schiele, M., assignor.)
- Berliner, E., Moscow, Russia. Extracting fats, oils, and the like. No. 878,930; Feb. 11; Sp. p. 2158; Gaz. vol. 132; p. 1222.
- Berliner, H. S., Washington, D. C. Making gramophone-record tablets. No. 878,931; Feb. 11; Sp. p. 2161; Dr. p. 451; Gaz. vol. 132; p. 1222.
- Berliner Stickmaschinen-Fabrik Schirmer Blau & Co. (See Schroeder, J., assignor.)
- Bern, E. A. (See Harold, J. J., assignor.)
- Bernard, C., Johnstown, N. Y. Glove. No. 906,856; Dec. 15; Sp. p. 3363; Gaz. vol. 137; p. 1600.
- Bernard, J. L., Ambridge, Pa. Punching-machine. No. 893,428; July 14; Sp. p. 2099; Dr. pp. 439-40; Gaz. vol. 135; p. 373.
- Bernard, J. L., Ambridge, Pa. Punching-machine. No. 895,944; Aug. 11; Sp. p. 2323; Dr. pp. 495-6; Gaz. vol. 135; p. 1391.
- Bernard, L., Prague, Austria-Hungary. Apparatus for impregnating fire-lighters. No. 877,037; Jan. 21; Sp. p. 2796; Dr. pp. 603-4; Gaz. vol. 132; p. 522.
- Bernard, P., Jefferson, S. D. Hog-waterer. No. 898,716; Sept. 15; Sp. p. 2963; Dr. p. 635; Gaz. vol. 136; p. 539.
- Bernardin, A. L., Evansville, Ind. Bottle-top. No. 885,571; Apr. 21; Sp. p. 3920; Dr. p. 818; Gaz. vol. 133; p. 1869.
- Bernegau, C. M., assignor to Keuff & Esser Company, Hoboken, N. J. Calculating-machine. No. 882,614; Mar. 24; Sp. p. 4221; Dr. pp. 894-5; Gaz. vol. 133; p. 790.
- Berner, W., assignor of twenty-three fortieths to T. Martin and W. McCue, Smiths Falls, Canada. Angle-cock for air-brake systems. No. 904,502; Nov. 24; Sp. p. 4054; Gaz. vol. 137; p. 740.
- Bernfeld, L. M., New York, N. Y. Mail-bag-handling apparatus. No. 906,097; Dec. 8; Sp. p. 1933; Gaz. vol. 137; p. 1330.
- Bernhard, J., and F. C. Schoepner, Allegheny, Pa. Rail-joint. No. 896,615; Aug. 18; Sp. p. 3644; Dr. p. 782; Gaz. vol. 135; p. 1541.
- Bernhard, K., Berlin, Germany. Iron structure for oven-buildings. No. 899,503; Sept. 29; Sp. p. 4453; Dr. p. 956; Gaz. vol. 136; p. 858.
- Bernhard, R. (See Lowry and Bernhard.)
- Bernhardt Sohn G. E. Draenert, Firm of Dr. (See Wernicke, P., assignor.)
- Bernhart, M., Lancaster, N. Y. Mold for casting journal-boxes and similar articles. No. 907,955; Dec. 29; Sp. p. 5624; Gaz. vol. 137; p. 2026.
- Bernhart, M., assignor of one-half to J. D. Brennan, Lancaster, N. Y. Molding apparatus. No. 880,500; Mar. 3; Sp. p. 17; Dr. pp. 4-5; Gaz. vol. 133; p. 6.
- Bernheim, E. P., Louisville, Ky. Combined shipping-tag and stamp-protector. No. 885,316; Apr. 21; Sp. p. 3405; Dr. p. 711; Gaz. vol. 133; p. 1790.
- Berninghaus, E., Cincinnati, Ohio. Barber's chair. No. 875,885; Jan. 7; Sp. p. 387; Dr. p. 85; Gaz. vol. 132; p. 72.
- Berns, A. H. and H. A., Chebanse, Ill. Cob-gate for corn-shellers. No. 878,037; Feb. 4; Sp. p. 299; Dr. p. 63; Gaz. vol. 132; p. 896.
- Berns, H. A. (See Berns, A. H. and H. A.)
- Bernstein, A., New York, N. Y. Buttonhole-tape. No. 886,924; May 5; Sp. p. 1175; Dr. p. 247; Gaz. vol. 134; p. 194.
- Bernstein, H. (See Bernstein, L. and H.)
- Bernstein, L. and H., New York, N. Y. Artificial tooth. No. 887,577; May 12; Sp. p. 2534; Dr. p. 534; Gaz. vol. 134; p. 437.
- Bernstein Manufacturing Company. (See Holden, G., assignor.)
- Bernstein, P., Mülheim-on-the-Rhine, Germany. Hydraulic air-compressor. No. 893,222; July 14; Sp. p. 1690; Dr. p. 357; Gaz. vol. 135; p. 305.
- Bernstein, W., New York, N. Y. Head-covering. No. 908,197; Dec. 29; Sp. p. 6155; Gaz. vol. 137; p. 2109.
- Bernstrom, E. (See Edlund, C. A., assignor.)
- Bernthold, W. J., Wakefield, Ohio. Envelop. No. 904,750; Nov. 24; Sp. p. 4560; Gaz. vol. 137; p. 823.
- Bernthold, W. J., near Portsmouth, Ohio. Envelop. No. 904,751; Nov. 24; Sp. p. 4560; Gaz. vol. 137; p. 823.
- Berquam, O. O., Grafton, N. D. Threshing-machine. No. 891,137; June 16; Sp. p. 3925; Dr. p. 859; Gaz. vol. 134; p. 1748.
- Berrenberg, R., Boston, Mass. Rotary pump. No. 878,600; Feb. 11; Sp. p. 1527; Dr. pp. 311-12; Gaz. vol. 132; p. 1115.
- Berrenberg, R., Boston, Mass. Rotary pump. No. 888,779; May 26; Sp. p. 4935; Dr. pp. 1051-2; Gaz. vol. 134; p. 891.
- Berry, A. F., Ealing, England. Apparatus for the electrical production of heat for cooking and other purposes. No. 891,657; June 23; Sp. p. 5035; Dr. pp. 1085-7; Gaz. vol. 134; p. 1953.
- Berry, A. F., Ealing, England. Construction of electromagnets. No. 896,886; Aug. 25; Sp. p. 4221; Dr. p. 903; Gaz. vol. 135; p. 1652.
- Berry, A. H. (See Hansen, T., assignor.)
- Berry, A. L., Portland, Me. Paint. No. 885,973; Apr. 28; Sp. p. 4759; Gaz. vol. 133; p. 2033.
- Berry, B. W., assignor of one-half to J. H. Perkins, Monticello, Fla. Axle. No. 904,672; Nov. 24; Sp. p. 4392; Gaz. vol. 137; p. 797.
- Berry, B. W., assignor of one-half to J. H. Perkins, Monticello, Fla. Running-gear. No. 906,996; Dec. 15; Sp. p. 3619; Gaz. vol. 137; p. 1644.
- Berry, C. M., assignor of one-half to H. Gray, New York, N. Y. Bottle for case goods. No. 881,293; Mar. 10; Sp. p. 1609; Dr. p. 344; Gaz. vol. 133; p. 300.
- Berry, C. M., Hoboken, N. J., assignor of one-half to C. A. Whittier, New York, N. Y. Manufacturing cigars. No. 903,437; Nov. 10; Sp. p. 1790; Gaz. vol. 137; p. 326.
- Berry, D. (See Berry, R. E., assignor.)
- Berry, D. D., Springfield, Mo. Stove or range. No. 900,821; Oct. 13; Sp. p. 1606; Dr. p. 325; Gaz. vol. 136; p. 1347.
- Berry, F. E. (See Russell and Berry.)

Alphabetical list of patentees—Continued.

- Berry, G. E., De Land, Fla. Window-shade fixture. No. 879,140; Feb. 18; Sp. p. 2575; Dr. p. 536; Gaz. vol. 132; p. 1329.
- Berry, H. H., Enfield, England. Electric switch. No. 884,353; Apr. 14; Sp. p. 1390; Dr. p. 297; Gaz. vol. 133; p. 1441.
- Berry, I. G., Madison, assignor, by mesne assignments, to J. I. Case Threshing Machine Company, Racine, Wis. Self-feeding device. No. 885,714; Apr. 28; Sp. p. 4203; Dr. p. 879; Gaz. vol. 133; p. 1944.
- Berry, J. H., and C. M. Ricker, assignors to American Woodenware Company, Chicago, Ill. Pail. No. 904,924; Nov. 24; Sp. p. 4932; Gaz. vol. 137; p. 880.
- Berry, M., Fayetteville, Ark. Lightning-arrester. No. 883,280; Mar. 31; Sp. p. 5563; Dr. pp. 1187-8; Gaz. vol. 133; p. 1038.
- Berry, M. A. (See Richards, J. E., assignor.)
- Berry, R. C. (See Gibson, C. A., assignor.)
- Berry, R. C., Indianapolis, Ind. Power-hacksaw. No. 907,445; Dec. 22; Sp. p. 4542; Gaz. vol. 137; p. 1831.
- Berry, R. E., Ashgrove, Va. Guiding attachment for cultivators. No. 900,698; Oct. 13; Sp. p. 1347; Dr. p. 275; Gaz. vol. 136; p. 1307.
- Berry, R. E., assignor of one-half to D. Berry, Ashgrove, Va. Brake attachment for hay-wagons, &c. No. 902,549; Nov. 3; Sp. p. 22; Gaz. vol. 137; p. 5.
- Berry, W. A., Xenia, Ohio. Nipper-tube. No. 897,706; Sept. 1; Sp. p. 943; Dr. p. 201; Gaz. vol. 136; p. 151.
- Berry, W. D., New Brighton, Pa. Sand-molding apparatus. No. 887,756; May 19; Sp. p. 2888; Dr. p. 609; Gaz. vol. 134; p. 525.
- Berry, W. D., New Brighton, Pa. Apparatus for making tubular sand cores. No. 887,757; May 19; Sp. p. 2890; Dr. p. 609; Gaz. vol. 134; p. 525.
- Berry, W. D., New Brighton, Pa. Apparatus for making sand cores. No. 887,758; May 19; Sp. p. 2892; Dr. p. 610; Gaz. vol. 134; p. 526.
- Berry, W. D., New Brighton, assignor to Brighton Brass and Bronze Company, Pittsburg, Pa. Sand mold and flask therefor. No. 906,501; Dec. 15; Sp. p. 2689; Gaz. vol. 137; p. 1489.
- Berry, W. G., assignor to Colonial Company, Mechanic Falls, Me. Perforating-machine. No. 900,257; Oct. 6; Sp. p. 375; Dr. p. 78; Gaz. vol. 136; p. 1134.
- Berry, W. P., Washington, Pa. Laundry-cabinet. No. 900,347; Oct. 6; Sp. p. 577; Dr. pp. 119-20; Gaz. vol. 136; p. 1163.
- Berry-Wood Piano Player Co. (See Wood, F. W., assignor.)
- Bertels, C. H., Brussels, Belgium, assignor to Standard Sugar Process Company, Limited, London, England. Purification of sugar-juices. No. 901,147; Oct. 13; Sp. p. 2243; Gaz. vol. 136; p. 1451.
- Bertheau, H. A., assignor to F. Wagner, Stockholm, Sweden. Explosion-motor. No. 905,279; Dec. 1; Sp. p. 305; Gaz. vol. 137; p. 1036.
- Berthelm, A. (See Ehrlich and Berthelm.)
- Berthet, G., and V. Berthonnnet, assignors to Ste. Ame. de Blanchiment, Teintures, Impressions et Apprêts de St. Julien, St. Julien, near Troyes, France. Fabric-printing machine. No. 900,978; Oct. 13; Sp. p. 1932; Dr. pp. 393-4; Gaz. vol. 136; p. 1397.
- Berthiaume, J. G., and A. E. Barlow, assignors of one-half to Wright Wire Company, Worcester, Mass. Implement for applying clamps to wire fences. No. 880,712; Mar. 3; Sp. p. 443; Dr. p. 93; Gaz. vol. 133; p. 78.
- Berthold, R. E., assignor, by mesne assignments, to Auto Igniter Company, New York, N. Y. Self-igniter. No. 894,420; July 28; Sp. p. 4283; Dr. p. 884; Gaz. vol. 135; p. 751.
- Berthonnnet, V. (See Berthet and Berthonnnet.)
- Berting, J. H., *et al.* (See Russell, I. O., assignor.)
- Bertouch, J. von, Kapunda, South Australia, Australia. Machine for clearing land, roads, and streets. No. 895,332; Aug. 4; Sp. p. 1123; Dr. p. 236; Gaz. vol. 135; p. 1081.
- Bertram, J., St. Louis, Mo. Mold. No. 876,135; Jan. 7; Sp. p. 882; Dr. pp. 189-90; Gaz. vol. 132; p. 149.
- Bertram, W. H., Springfield, Mo. Check-form. No. 882,485; Mar. 17; Sp. p. 3947; Dr. p. 844; Gaz. vol. 133; p. 714.
- Bertrand, A., Kankakee, Ill., assignor to J. E. Bowman, Evansville, Ind. Railway-crossing. No. 881,654; Mar. 10; Sp. p. 2322; Dr. p. 503; Gaz. vol. 133; p. 417.
- Bertrand, J. T., Isle Verte, Quebec, Canada. Marine concrete construction. No. 884,354; Apr. 14; Sp. p. 1391; Dr. p. 298; Gaz. vol. 133; p. 1442.
- Bertrand, S. A. D., Dawson, Yukon, Canada. Road-grading machine. No. 903,162; Nov. 10; Sp. p. 1247; Gaz. vol. 137; p. 237.
- Bertsch, C. A., Cambridge City, Ind. Bending-rolls. No. 877,038; Jan. 21; Sp. p. 2797; Dr. p. 604; Gaz. vol. 132; p. 522.
- Berwanger, A. C. (See Schollenberger, E. M., assignor.)
- Beskow, B., San Francisco, Cal. Speed-changing mechanism. No. 905,637; Dec. 1; Sp. p. 1050; Gaz. vol. 137; p. 1152.
- Besse, E. L., Fairhaven, assignor to New Bedford Foundry & Machine Company, New Bedford, Mass. Pin-board. No. 904,598; Nov. 24; Sp. p. 4235; Gaz. vol. 137; p. 772.
- Besser, H., Alpena, Mich. Centrifugal mill. No. 876,765; Jan. 14; Sp. p. 2196; Dr. pp. 482-3; Gaz. vol. 132; p. 390.
- Besser, H., Alpena, Mich. Antifriction grinding-roller. No. 879,807; Feb. 18; Sp. p. 3923; Dr. p. 822; Gaz. vol. 132; p. 1547.
- Besser, H., Alpena, Mich. Concrete-mixer. No. 879,808; Feb. 18; Sp. p. 3924; Dr. pp. 822-3; Gaz. vol. 132; p. 1547.
- Besser, H., Alpena, Mich. Cement-pipe-making machine. No. 898,428; Sept. 15; Sp. p. 2400; Dr. pp. 514-15; Gaz. vol. 136; p. 448.
- Besserlich, W. B. (See Zachow and Besserlich.)
- Bessette, A., Holyoke, Mass. Button-fastener for automobile-curtains. No. 906,607; Dec. 15; Sp. p. 2881; Gaz. vol. 137; p. 1522.
- Bessler, F. E., Akron, Ohio. Movable stairway. No. 897,870; Sept. 8; Sp. p. 1285; Dr. p. 275; Gaz. vol. 136; p. 235.
- Bessner, A., Phillipsburg, N. J. Mail-box. No. 894,577; July 28; Sp. p. 4589; Dr. p. 951; Gaz. vol. 135; p. 802.
- Besson and Company. (See Edwards, T. C., assignor.)
- Best, D. (See Holley and Whitford, assignors.)
- Best, E., *et al.* (See Best, W. N., assignor.)
- Best, J. H., *et al.* (See Best, W. N., assignor.)
- Best, M. E., Lewisburg, Pa. Swing. No. 900,649; Oct. 6; Sp. p. 1240; Dr. p. 254; Gaz. vol. 136; p. 1263.
- Best Manufacturing Company. (See Jones, D. G., assignor.)
- Best, T. C., Chicago, Ill. Boiler-hanger. No. 901,416; Oct. 20; Sp. p. 2823; Dr. p. 576; Gaz. vol. 136; p. 1576.
- Best, W. (See Cauffman and Best.)
- Best, W. N., New York, N. Y. Heating-furnace. No. 899,285; Sept. 22; Sp. p. 4052; Dr. p. 866; Gaz. vol. 136; p. 752.
- Best, W. N., New York, N. Y. Adjustable regulating-cock. No. 904,299; Nov. 17; Sp. p. 3630; Gaz. vol. 137; p. 646.
- Best, W. N., New York, N. Y., assignor to International Caloric Company, Los Angeles, Cal. Boiler-furnace. No. 879,806; Feb. 18; Sp. p. 3922; Dr. p. 822; Gaz. vol. 132; p. 1547.
- Best, W. N., New York, N. Y., assignor to J. H. and E. Best, Quincy, Ill. Heating and welding furnace. No. 893,974; July 21; Sp. p. 3334; Dr. p. 683; Gaz. vol. 135; p. 583.
- Best, W. N., Los Angeles, Cal., assignor to J. H. and E. Best, Quincy, Ill. Forging and riveting furnace. No. 887,182; May 12; Sp. p. 1660; Dr. p. 352; Gaz. vol. 134; p. 305.
- Best, W. N., Los Angeles, Cal., assignor to J. H. and E. Best, Quincy, Ill. Metallurgical furnace. No. 894,107; July 21; Sp. p. 3597; Dr. pp. 741-2; Gaz. vol. 135; p. 627.
- Best, W. N., and B. F. Mears, Los Angeles, Cal. Oil-burning and steam-generating apparatus. No. 894,362; July 28; Sp. p. 4155; Dr. p. 858; Gaz. vol. 135; p. 732.
- Bestor, G. W. (See Buehler, W., assignor.)
- Bestul, S. O., Iola, Wis. Clothes-drier. No. 907,956; Dec. 29; Sp. p. 5626; Gaz. vol. 137; p. 2027.
- Bethany, W., Mars, Ark. Means for propelling ships. No. 881,537; Mar. 10; Sp. p. 2073; Dr. p. 453; Gaz. vol. 133; p. 377.
- Bethel, R. H. (See Eastman and Bethel.)
- Béthisy, L. L., Villeneuve-la-Garenne, France. Manufacture of non-inflammable celluloid. No. 894,108; July 21; Sp. p. 3600; Gaz. vol. 135; p. 628.
- Bethlehem Steel Company. (See Meigs and Gathmann, assignors.)
- Bethlehem Steel Company. (See Meigs and Gathmann, assignors.) (Reissue.)
- Bethlehem Steel Company. (See Meigs and Jacobsson, assignors.)
- Bethlehem Steel Company. (See Meigs and Stout, assignors.)
- Bettcher, G. L., *et al.* (See Mentzer, C. E., assignor.)
- Betts, A. G., Troy, N. Y. Treating slimes from electrolytic refining of lead. No. 891,395; June 23; Sp. p. 4491; Gaz. vol. 134; p. 1867.
- Betts, A. G., Troy, N. Y. Treating anode slime from the electrolytic refining of lead. No. 891,396; June 23; Sp. p. 4492; Gaz. vol. 134; p. 1867.
- Betts, A. G., Troy, N. Y. Metallurgical process. No. 905,280; Dec. 1; Sp. p. 307; Gaz. vol. 137; p. 1036.
- Betts, A. G., Troy, N. Y. Making manganese and ferromanganese. No. 905,281; Dec. 1; Sp. p. 308; Gaz. vol. 137; p. 1036.
- Betts, C. L., assignor to R. E. Dietz Company, New York, N. Y. Tubular lamp. No. 888,139; May 19; Sp. p. 3639; Dr. p. 762; Gaz. vol. 134; p. 650.
- Betts, C. L., assignor to R. E. Dietz Company, New York, N. Y. Signal-lantern. No. 906,681; Dec. 15; Sp. p. 3019; Gaz. vol. 137; p. 1544.
- Betts, C. L., assignor to R. E. Dietz Company, New York, N. Y. Acetylene-gas generator. No. 907,446; Dec. 22; Sp. p. 4544; Gaz. vol. 137; p. 1831.
- Betts, C. L., assignor to R. E. Dietz Company, New York, N. Y. Tubular lamp. No. 907,447; Dec. 22; Sp. p. 4546; Gaz. vol. 137; p. 1831.
- Betts, E. D., and E. Vandenberg, Lancaster, N. Y. Sealing-cap for bottles. No. 886,925; May 5; Sp. p. 1176; Dr. p. 247; Gaz. vol. 134; p. 194.

Alphabetical list of patentees—Continued.

- Betts, H. C., Middletown, Cal. Baling-press. No. 894,934; Aug. 4; Sp. p. 322; Dr. p. 65; Gaz. vol. 135; p. 946.
 Betts, J. C., Philadelphia, Pa. Dental plugger. No. 901,276; Oct. 13; Sp. p. 2489; Dr. p. 509; Gaz. vol. 136; p. 1491.
 Betts, L. F., New York, assignor of one-half to H. B. Gilmore and J. A. Kennedy, Brooklyn, N. Y. Manufacturing sheet-metal receptacles. No. 885,572; Apr. 21; Sp. p. 3921; Dr. p. 818; Gaz. vol. 133; p. 1870.
 Betts, W. H., Admire, Kans. Steam-engine. No. 881,048; Mar. 3; Sp. p. 1110; Dr. p. 241; Gaz. vol. 133; p. 190.
 Betty, T. H. (See Hay, P. S., assignor.)
 Betz, F. S., Chicago, Ill. Air-bath apparatus. No. 896,704; Aug. 25; Sp. p. 3826; Dr. p. 828; Gaz. vol. 135; p. 1591.
 Betz, P. W. F. G., Berlin, Germany. Producing a horn-like substance from casein. No. 893,129; July 14; Sp. p. 1506; Gaz. vol. 135; p. 276.
 Betz, W., Wataga, Ill. Vehicle-axle. No. 902,852; Nov. 3; Sp. p. 650; Gaz. vol. 137; p. 108.
 Betz, W., Wataga, Ill. Axle-journal. No. 902,853; Nov. 3; Sp. p. 651; Gaz. vol. 137; p. 109.
 Beuc, J., St. Louis, Mo. Rotary engine. No. 895,233; Aug. 4; Sp. p. 915; Dr. pp. 192-4; Gaz. vol. 135; p. 1047.
 Beuf, N. (See Diamanti and Beuf.)
 Beugler, E. F. (See Holmes and Beugler.)
 Beugler, E. F., assignor to E. B. Holmes, Buffalo, N. Y. Horizontal barrel-trussing machine. No. 906,857; Dec. 15; Sp. p. 3365; Gaz. vol. 137; p. 1601.
 Beuhne, F. R., Tooborac, Victoria, Australia. Apparatus for rendering beeswax. No. 877,544; Jan. 28; Sp. p. 3831; Dr. p. 828; Gaz. vol. 132; p. 709.
 Beum, S. D., Cleveland, Ohio. Soil-pulverizer. No. 900,822; Oct. 13; Sp. p. 1607; Dr. p. 326; Gaz. vol. 136; p. 1347.
 Beusse, O. R., and M. P. Jackson, Montezuma, Ga. Machine for thinning cotton-plants. No. 880,003; Feb. 25; Sp. p. 4368; Dr. pp. 915-16; Gaz. vol. 132; p. 1645.
 Beust, A. von, Orange, N. J. Knife-sharpener. No. 905,638; Dec. 1; Sp. p. 1055; Gaz. vol. 137; p. 1153.
 Beutell, A. W., New York, N. Y. Illuminating device. (Reissue.) No. 12,795; May 26; Sp. p. 5783; Dr. p. 1225; Gaz. vol. 134; p. 1024.
 Bevan, A., Providence, R. I. Block-signal apparatus. No. 876,684; Jan. 14; Sp. p. 2057; Dr. p. 448; Gaz. vol. 132; p. 365.
 Bevan, A., Providence, R. I. Block-signal apparatus. No. 899,153; Sept. 22; Sp. p. 3773; Dr. pp. 808-9; Gaz. vol. 136; p. 710.
 Bevan, A., Providence, R. I. Circuit-controller. No. 900,699; Oct. 13; Sp. p. 1349; Dr. p. 276; Gaz. vol. 136; p. 1307.
 Bevan, E. J., High Bridge, N. J. Dredge. No. 886,343; May 5; Sp. p. 12; Dr. p. 3; Gaz. vol. 134; p. 5.
 Bevan, H., Burlington, N. J. Heater. No. 881,844; Mar. 10; Sp. p. 2682; Dr. p. 574; Gaz. vol. 133; p. 477.
 Bevans, J. W., Garrett Park, Md. Educational device. No. 886,172; Apr. 28; Sp. p. 5143; Dr. p. 1082; Gaz. vol. 133; p. 2095.
 Beverly, R., Melfa, Va. Kitchen-cabinet. No. 880,185; Feb. 25; Sp. p. 4733; Dr. p. 1002; Gaz. vol. 132; p. 1704.
 Bevier, L. C., Logan, Mont. Adjustable sight for guns. No. 878,857; Feb. 11; Sp. p. 2022; Dr. p. 417; Gaz. vol. 132; p. 1199.
 Bevier, P. H., New York, N. Y. Reinforced terra-cotta arch. No. 877,545; Jan. 28; Sp. p. 3832; Dr. p. 829; Gaz. vol. 132; p. 710.
 Bevill, C., Rushnell, Fla. Irrigating system. No. 887,911; May 19; Sp. p. 3208; Dr. p. 675; Gaz. vol. 134; p. 578.
 Bevins, C. L., Jamestown, R. I. Appliance for releasing boats. No. 899,942; Sept. 29; Sp. p. 5388; Dr. p. 1150; Gaz. vol. 136; p. 1000.
 Bevis, R. R. (See Gibson, J. H., assignor.)
 Bewis, W. W., Newark, N. J. Skeleton waist. No. 888,059; May 19; Sp. p. 3484; Dr. p. 729; Gaz. vol. 134; p. 625.
 Bewis, W. W., Newark, N. J. Producing bias goods. No. 893,300; July 14; Sp. p. 1840; Dr. p. 385; Gaz. vol. 135; p. 331.
 Beyer, A., Chicago, Ill. Portable watchman's clock. No. 877,546; Jan. 28; Sp. p. 3835; Dr. pp. 829-30; Gaz. vol. 132; p. 710.
 Beyer, B. E., Paterson, N. J. Shutter-blower. No. 880,064; Feb. 25; Sp. p. 4503; Dr. p. 946; Gaz. vol. 132; p. 1665.
 Beyer, D. S., Edgewood Park, Pa. Hanger for electric wires. No. 887,578; May 12; Sp. p. 2536; Dr. p. 635; Gaz. vol. 134; p. 437.
 Beyer, O. S., East Rutherford, N. J., assignor to E. W. Bliss Company. Seaming-machine. No. 877,480; Jan. 28; Sp. p. 3668; Dr. pp. 795-7; Gaz. vol. 132; p. 686.
 Beyer, O. S., East Rutherford, N. J., assignor to E. W. Bliss Company. Transmission mechanism. No. 877,481; Jan. 28; Sp. p. 3675; Dr. p. 797; Gaz. vol. 132; p. 687.
 Beyland, S. A., assignor to Dean Electric Company, Elyria, Ohio. Telephone apparatus. No. 896,796; Aug. 25; Sp. p. 4034; Dr. p. 869; Gaz. vol. 135; p. 1622.
 Beymer, F. L., Chicago, Ill. Clasp. No. 906,502; Dec. 15; Sp. p. 2091; Gaz. vol. 137; p. 1489.
 Beyreis, H., Seneca, Kans. Attachment for cutter-bars of mowers and harvesters. No. 892,799; July 7; Sp. p. 796; Dr. p. 168; Gaz. vol. 135; p. 137.
 Beyrle, A., Los Angeles, Cal. Casing wooden moldings, &c., with metal. No. 887,995; May 19; Sp. p. 3369; Dr. p. 707; Gaz. vol. 134; p. 605.
 Bianchi, J., assignor of one-half to S. C. Wood, Toronto, Ontario, Canada. Photographic film for daylight loading. No. 886,673; May 5; Sp. p. 665; Dr. p. 138; Gaz. vol. 134; p. 114.
 Bianchi, J., assignor of one-half to S. C. Wood, Toronto, Ontario, Canada. Life-motion-picture apparatus. No. 886,674; May 5; Sp. p. 667; Dr. p. 139; Gaz. vol. 134; p. 114.
 Bianco, C., New York, N. Y. Electrolytic solution for zinc-plating. No. 905,785; Dec. 1; Sp. p. 1325; Gaz. vol. 137; p. 1201.
 Biavati, A. F., Freeport, N. Y. Car-release. No. 892,215; June 30; Sp. p. 6145; Dr. p. 1324; Gaz. vol. 134; p. 2168.
 Biavati, A. F., Freeport, N. Y. Device for handling amusement-cars. No. 895,946; Aug. 11; Sp. p. 2339; Dr. p. 499; Gaz. vol. 135; p. 1302.
 Biavati, A. F., Freeport, N. Y. Car for observation-wheels. No. 899,286; Sept. 22; Sp. p. 4054; Dr. p. 866; Gaz. vol. 136; p. 752.
 Bibb, C. E., assignor of three-fifths to D. H. Rice, Colorado Springs, Colo. Furnace-grate. No. 890,552; June 9; Sp. p. 2717; Dr. pp. 600-1; Gaz. vol. 134; p. 1525.
 Bibolini, G. B., and C. Baulino, Taranto, Italy. Means for recovering and regenerating lubricating-oils of marine engines. No. 877,163; Jan. 21; Sp. p. 3048; Dr. pp. 660-1; Gaz. vol. 132; p. 563.
 Bichel, C. E., Hamburg, Germany. Explosive. No. 887,027; May 5; Sp. p. 1368; Gaz. vol. 134; p. 227.
 Bichel, C. E., Hamburg, Germany. Explosive. No. 896,887; Aug. 25; Sp. p. 4225; Gaz. vol. 135; p. 1652.
 Bickel, H., Franklin, Pa. Pulling-machine. No. 899,943; Sept. 29; Sp. p. 5390; Dr. p. 1150; Gaz. vol. 136; p. 1000.
 Bickel, H. F., Plainfield, N. J., assignor to New York Air Brake Company. Air-brake apparatus. No. 878,601; Feb. 11; Sp. p. 1528; Dr. p. 312; Gaz. vol. 132; p. 1116.
 Bickelhaupt, G. (See Anschütz, P., assignor.)
 Bicker, E. B., and C. R. Schilling, assignors to said Bicker and H. H. Nolte, St. Louis, Mo. Vending-machine. No. 882,923; Mar. 24; Sp. p. 4843; Dr. p. 1028; Gaz. vol. 133; p. 891.
 Bickford Drill & Tool Company. (See Norris, H. M., assignor.)
 Bickford, F. H., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 897,575; Sept. 1; Sp. p. 687; Dr. pp. 144-5; Gaz. vol. 136; p. 108.
 Bicklein, F., Valmeyer, Ill. Scrubbing-machine. No. 883,512; Mar. 31; Sp. p. 6060; Dr. pp. 1292-3; Gaz. vol. 133; p. 1115.
 Bickley, G. S., and R. P., Tyler, Tex. Metallic cross-tie. No. 891,031; June 16; Sp. p. 3746; Dr. pp. 817-18; Gaz. vol. 134; p. 1716.
 Bickley, R. M., assignor to Heyl and Patterson, Pittsburg, Pa. Coal-tipple. No. 891,760; June 23; Sp. p. 5226; Dr. p. 1132; Gaz. vol. 134; p. 1987.
 Bickley, R. P. (See Bickley, G. S. and R. P.)
 Bickley, W. S., Chester, Pa. Stockless anchor. No. 896,349; Aug. 18; Sp. p. 3118; Dr. p. 670; Gaz. vol. 135; p. 1453.
 Bickley, W. S., Chester, Pa., assignor to Baldt Anchor Company. Snugly-stowing stockless anchor. No. 907,957; Dec. 29; Sp. p. 5627; Gaz. vol. 137; p. 2027.
 Bicknell, C. H., Moline, Ill. Nut-lock. No. 876,314; Jan. 14; Sp. p. 1246; Dr. p. 271; Gaz. vol. 132; p. 239.
 Biddle, A. W., Philadelphia, Pa. Footwear. No. 888,458; May 26; Sp. p. 4267; Dr. p. 903; Gaz. vol. 134; p. 784.
 Bideker, W. E., Fort Worth, Tex. Nozzle-tip. No. 904,673; Nov. 24; Sp. p. 4394; Gaz. vol. 137; p. 798.
 Bidtel, G. J., et al. (See Wolf, F., assignor.)
 Bidwell, C. W., Chicago, Ill. Combined paint package and palette. No. 908,382; Dec. 29; Sp. p. 6538; Gaz. vol. 137; p. 2172.
 Bieber, E., and W. L. Burner, assignors to Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Locking device for dump-cars. No. 907,218; Dec. 22; Sp. p. 4075; Gaz. vol. 137; p. 1752.
 Biela, V., Panna Maria, Tex. Hay-press. No. 888,140; May 19; Sp. p. 3640; Dr. pp. 762-3; Gaz. vol. 134; p. 651.
 Bienenstock, S., assignor to H. Loeb, Philadelphia, Pa. Lunch box or bag. No. 903,808; Nov. 10; Sp. p. 2552; Gaz. vol. 137; p. 446.
 Bienk, A., Königsberg, Germany. Wood-cleaver. No. 881,538; Mar. 10; Sp. p. 2075; Dr. p. 453; Gaz. vol. 133; p. 378.
 Bierbaum, C. H. (See North, Knapp, and Bierbaum.)
 Bierend, J. F., Los Angeles, Cal. Show-case. No. 876,617; Jan. 14; Sp. p. 1922; Dr. p. 419; Gaz. vol. 132; p. 343.
 Bierley, H. A., Portsmouth, Ohio. Trace-holder. No. 881,655; Mar. 10; Sp. p. 2324; Dr. p. 503; Gaz. vol. 133; p. 417.
 Bierley, H. A., Portsmouth, and W. F. Probst, Chillicothe, Ohio. Repeating explosive mechanism. No. 892,118; June 30; Sp. p. 5943; Dr. p. 1280; Gaz. vol. 134; p. 2135.
 Bierley, H. A., Portsmouth, and W. F. Probst, Chillicothe, Ohio. Repeating pistol. No. 894,578; July 28; Sp. p. 4590; Dr. p. 952; Gaz. vol. 135; p. 803.
 Biermann, H. A., New Orleans, La. Heating apparatus. No. 905,140; Dec. 1; Sp. p. 27; Gaz. vol. 137; p. 988.
 Biersach, L., Freeport, Ill. Fish-hook. No. 875,684; Jan. 7; Sp. p. 15; Dr. p. 3; Gaz. vol. 132; p. 5.
 Biersdorf, H. R. (See Hitchcock, E. M., assignor.)
 Bierwirth, E. A. G., Kansas City, Mo. Box. No. 904,674; Nov. 24; Sp. p. 4395; Gaz. vol. 137; p. 798.

Alphabetical list of patentees—Continued.

- Biesenthal, W. A., Riddle Hill, Ill. Disk attachment for cultivators. No. 905,786; Dec. 1; Sp. p. 1326; Gaz. vol. 137; p. 1201.
- Biette, H. C., Toronto, Ontario, Canada. Pencil-printing machine. No. 879,849; Feb. 25; Sp. p. 4028; Dr. pp. 844-5; Gaz. vol. 132; p. 1594.
- Bigelow, A. C., *et al.* (See Heale, J. E., assignor.)
- Bigelow, G. E., assignor to Morgan Spring Company, Worcester, Mass. Corner-post for spring-beds. No. 893,130; July 14; Sp. p. 1509; Dr. p. 317; Gaz. vol. 135; p. 277.
- Bigelow, J. S., Jr., Cohasset and J. M. Sears, Boston, Mass.; S. C. Sears administratrix of said J. M. Sears, deceased. Sight for gun-barrels. No. 908,198; Dec. 29; Sp. p. 6156; Gaz. vol. 137; p. 2109.
- Bigford, A. F., Dunlap, Wash. Boot and shoe cleaning stand. No. 886,756; May 5; Sp. p. 865; Dr. p. 180; Gaz. vol. 134; p. 143.
- Biggar, L. A., Oneida, N. Y. Split sheet-metal pulley. No. 878,602; Feb. 11; Sp. p. 1530; Dr. p. 312; Gaz. vol. 132; p. 1117.
- Biggart, F. C., Jr., assignor to United Engineering & Foundry Company, Pittsburg, Pa. Table-operating mechanism for rolling-mills. No. 876,894; Jan. 14; Sp. p. 2450; Dr. pp. 534-5; Gaz. vol. 132; p. 432.
- Biggart, F. C., Jr., assignor to United Engineering & Foundry Company, Pittsburg, Pa. Rolling-mill. No. 891,032; June 16; Sp. p. 3748; Dr. p. 818; Gaz. vol. 134; p. 1717.
- Biggart, F. C., Jr., Allegheny, assignor to United Engineering & Foundry Company, Pittsburg, Pa. Manipulator for rolling-mills. No. 893,429; July 14; Sp. p. 2102; Dr. pp. 440-1; Gaz. vol. 135; p. 374.
- Biggs, E., West New Brighton, N. Y. Machine for mashing cheese. No. 889,572; June 2; Sp. p. 756; Dr. p. 174; Gaz. vol. 134; p. 1179.
- Biggs, J. M., Glasgow, Ky. Watchcase. No. 892,642; July 7; Sp. p. 486; Dr. p. 103; Gaz. vol. 135; p. 87.
- Bighouse, H. H., assignor to C. O. Bartlett & Snow Company, Cleveland, Ohio. Feeder for car-hauls, &c. No. 875,685; Jan. 7; Sp. p. 16; Dr. p. 3; Gaz. vol. 132; p. 5.
- Bigler, F. R., Kansas City, Mo. Heat-deflector. No. 884,300; Apr. 7; Sp. p. 1288; Dr. p. 273; Gaz. vol. 133; p. 1398.
- Bigney and Company, S. O. (See Wallenthin, W., assignor.)
- Bigbold, F. R., Ewing, Nebr. Badge. No. 903,537; Nov. 10; Sp. p. 2009; Gaz. vol. 137; p. 360.
- Bijur, J., New York, N. Y., assignor to General Storage Battery Company. System of regulation. No. 898,030; Sept. 8; Sp. p. 1640; Dr. pp. 349-50; Gaz. vol. 134; p. 288.
- Bijur, J., New York, N. Y., assignor to General Storage Battery Company. Treating negative-pole plates. (Reissue.) No. 12,871; Oct. 27; Sp. p. 5224; Dr. p. 1055; Gaz. vol. 136; p. 1976.
- Bijur, J., New York, N. Y., assignor to General Storage Battery Company. Negative-pole plate. (Reissue.) No. 12,872; Oct. 27; Sp. p. 5227; Dr. p. 1055; Gaz. vol. 136; p. 1976.
- Billadeau, E. J., Bainsville, Mont. Floor-jack. No. 907,959; Dec. 29; Sp. p. 5631; Gaz. vol. 137; p. 2028.
- Bilek, A., Chicago, Ill. Railway-switch. No. 887,183; May 12; Sp. p. 1662; Dr. p. 353; Gaz. vol. 134; p. 305.
- Biles, J. W., Louisville, Ky. Drier. No. 907,219; Dec. 22; Sp. p. 4081; Gaz. vol. 137; p. 1752.
- Bilger, H. E. (See Older, Bilger, and Gearhart.)
- Bilgram, H., Philadelphia, Pa., assignor to Comas Cigarette Machine Company, Baltimore, Md. Cigarette-machine. No. 877,827; Jan. 28; Sp. p. 4356; Dr. pp. 245-6; Gaz. vol. 132; p. 798.
- Billar, J. W., Summit Point, W. Va. Railway-tie. No. 901,870; Oct. 20; Sp. p. 3766; Dr. p. 766; Gaz. vol. 136; p. 1724.
- Billet, P. (See Jourdanet, Billet, and Baron.)
- Billeter, O. C., assignor to Chemical Works, formerly Sandoz, Basel, Switzerland. Making camphene. No. 891,033; June 16; Sp. p. 3750; Gaz. vol. 134; p. 1717.
- Billings, A., Cudahy, Wis. Window-pane fastener. No. 901,148; Oct. 13; Sp. p. 2245; Dr. p. 456; Gaz. vol. 136; p. 1451.
- Billings, A. J., *et al.* (See Billings, J. W., assignor.)
- Billings, C. E., Hartford, Conn. Knife. No. 881,294; Mar. 10; Sp. p. 1611; Dr. p. 345; Gaz. vol. 133; p. 301.
- Billings, C. E., New Haven, Conn. Carpet-fastener. No. 899,377; Sept. 22; Sp. p. 4210; Dr. p. 901; Gaz. vol. 136; p. 781.
- Billings, C. F., Zion City, Ill. Station-indicator. No. 887,579; May 12; Sp. p. 2537; Dr. p. 535; Gaz. vol. 134; p. 438.
- Billings, F. C., Milwaukee, Wis. Piano-flange-attaching bar. No. 906,373; Dec. 8; Sp. p. 2457; Gaz. vol. 137; p. 1422.
- Billings, F. G., Milwaukee, Wis. Piano-action frame. No. 882,288; Mar. 17; Sp. p. 3606; Dr. pp. 764-5; Gaz. vol. 133; p. 650.
- Billings, F. G., Milwaukee, Wis. Piano-flange-attaching bar. No. 906,374; Dec. 8; Sp. p. 2459; Gaz. vol. 137; p. 1422.
- Billings, G. M., *et al.* (See Mittell, H. J., assignor.)
- Billings, J. S., Jr. (See Mittell, H. J., assignor.)
- Billings, J. W., Beatrice, Nebr., assignor to G. M. Billings, Indianapolis, Ind., and A. J. Billings, Beatrice, Nebr. Egg-tester. No. 892,705; July 7; Sp. p. 606; Dr. pp. 130-1; Gaz. vol. 135; p. 106.
- Billingslea, E. A., *et al.* (See Stewart, S., assignor.)
- Billingsley, P. F., *et al.* (See Wiens, J. J., assignor.)
- Billingsley, P. L., Oak, Fla. Machine for assembling parts of box ends. No. 894,109; July 21; Sp. p. 3602; Dr. pp. 742-3; Gaz. vol. 135; p. 628.
- Billingsley, P. L., Oak, Fla. Attachment for nailing-machines. No. 904,503; Nov. 24; Sp. p. 4056; Gaz. vol. 137; p. 740.
- Billington, C., Attleboro, Mass. Nose-guard for eyeglasses. No. 875,686; Jan. 7; Sp. p. 19; Dr. p. 4; Gaz. vol. 132; p. 5.
- Billetter, J., Aschersleben, Germany. Electrolysis of liquids. No. 903,951; Nov. 17; Sp. p. 2883; Gaz. vol. 137; p. 526.
- Billman, O. C., Cleveland, Ohio. Match-box holder. No. 907,958; Dec. 29; Sp. p. 5630; Gaz. vol. 137; p. 2027.
- Billman, W. A., Colorado Springs, Colo. Automatic card-printing press. No. 875,886; Jan. 7; Sp. p. 390; Dr. p. 85; Gaz. vol. 132; p. 72.
- Billman, W. A., Colorado Springs, Colo. Automatic card-printing press. No. 887,733; May 12; Sp. p. 2827; Dr. p. 557; Gaz. vol. 134; p. 490.
- Billmeyer, J. H., assignor to C. R. Pope, Chicago, Ill. Vending-machine. No. 905,401; Dec. 1; Sp. p. 540; Gaz. vol. 137; p. 1077.
- Billonez, A., Anderlecht, near Brussels, Belgium. Automatic water-level controller for water-separators of gas-conduits. No. 878,858; Feb. 11; Sp. p. 2024; Dr. p. 418; Gaz. vol. 132; p. 1199.
- Billow, N. K., Columbus, Ohio. Bed-spring. No. 901,516; Oct. 20; Sp. p. 3052; Dr. p. 623; Gaz. vol. 136; p. 1610.
- Billows, A. J., Brisbane, Queensland, Australia. Apparatus for carbonating and bottling liquids. No. 899,782; Sept. 29; Sp. p. 5050; Dr. p. 1082; Gaz. vol. 136; p. 950.
- Bilms, A. (See Rounsevell and Bilms.)
- Bilodeau, J. E. (See Blais, O., assignor.)
- Bim, J., assignor to Union Bank, Vienna, Austria-Hungary. Welt-replenishing mechanism for looms. No. 878,763; Feb. 11; Sp. p. 1844; Dr. pp. 380-1; Gaz. vol. 132; p. 1169.
- Bimeler, J., assignor of one-tenth to Zoar Battery Company, Zoar, Ohio. Storage-battery element. No. 896,350; Aug. 18; Sp. p. 3119; Dr. p. 670; Gaz. vol. 135; p. 1454.
- Bimm, G. R., Paris, France. Dust-collecting apparatus. No. 878,329; Feb. 4; Sp. p. 888; Dr. p. 178; Gaz. vol. 132; p. 992.
- Bimmerle, A. E., Eden Vale, Cal. Processing apparatus. No. 904,300; Nov. 17; Sp. p. 3631; Gaz. vol. 137; p. 647.
- Bimmerle, F. X., Cincinnati, Ohio. Advertising-vehicle. No. 882,446; Mar. 17; Sp. p. 3879; Dr. pp. 824-30; Gaz. vol. 133; p. 702.
- Binder, F., Allegheny, Pa. Match-box. No. 907,560; Dec. 22; Sp. p. 4745; Gaz. vol. 137; p. 1867.
- Binder, G., assignor to Kentucky Gear and Machine Company, Louisville, Ky. Sawing-machine. No. 886,173; Apr. 28; Sp. p. 5144; Dr. p. 1082; Gaz. vol. 133; p. 2095.
- Binder, G., assignor to Kentucky Gear and Machine Company, Louisville, Ky. Carriage-feed for sawing-machines. No. 886,174; Apr. 28; Sp. p. 5147; Dr. p. 1083; Gaz. vol. 133; p. 2095.
- Bindewald, E., Kaiserslautern, Germany. Flushing device. No. 881,458; Mar. 10; Sp. p. 1923; Dr. p. 419; Gaz. vol. 133; p. 351.
- Bing, J., assignor of one-half to C. J. Holton, Detroit, Mich. Trick cigar. No. 887,759; May 19; Sp. p. 2894; Dr. p. 610; Gaz. vol. 134; p. 526.
- Bingenheimer, A. F., Milwaukee, Wis. Fish-hook. No. 889,505; June 2; Sp. p. 635; Dr. p. 148; Gaz. vol. 134; p. 1158.
- Bingham, G. W., New York, N. Y. Spangle-machine. No. 885,012; Apr. 21; Sp. p. 2740; Dr. p. 582; Gaz. vol. 133; p. 1689.
- Bingham, H. N., McTaggart, Saskatchewan, Canada. Straw-press. No. 876,037; Jan. 7; Sp. p. 678; Dr. p. 146; Gaz. vol. 132; p. 117.
- Binkey, J. A. (See Wright, C., assignor.)
- Binnig, J., assignor of one-half to Mason & Hamlin, Cambridge, Mass. Organ. No. 882,736; Mar. 24; Sp. p. 4462; Dr. p. 950; Gaz. vol. 133; p. 830.
- Binninger, F. (See Blake and Kretzer, assignors.)
- Binnington, H. (See Porter and Binnington.)
- Binnington, T. H. (See Porter and Binnington.)
- Binnix, G. A., Waterloo, Nebr. Railway-rail joint. No. 906,186; Dec. 8; Sp. p. 2105; Gaz. vol. 137; p. 1361.
- Binnis, D., Camp Chase, assignor of one-half to D. B. Ong, Columbus, Ohio. Wave-motor. No. 877,459; Jan. 21; Sp. p. 3625; Dr. p. 784; Gaz. vol. 132; p. 659.
- Bins, J. G., Harrison, Mont. Door-securer. No. 894,179; July 28; Sp. p. 3767; Dr. p. 780; Gaz. vol. 135; p. 670.
- Birch, A., Belmont, Mass. Cloth opener, spreader, and guider. No. 882,515; Mar. 17; Sp. p. 4008; Dr. p. 857; Gaz. vol. 133; p. 725.
- Birch, C. E., Crawfordsville, Ind. Fence-tie. No. 894,935; Aug. 4; Sp. p. 323; Dr. p. 65; Gaz. vol. 135; p. 946.
- Birch, E. E., East Liverpool, Ohio. Truck for replacing derailed street-cars. No. 905,050; Nov. 24; Sp. p. 5176; Gaz. vol. 137; p. 923.
- Birch, G. B., and J. A. Cameron, Brooklyn, N. Y. Pocket coin-holder. No. 904,244; Nov. 17; Sp. p. 3504; Gaz. vol. 137; p. 627.

Alphabetical list of patentees—Continued.

- Birch, J. H. (See Birch, J. H. and J. H.)
- Birch, J. H. and J. H., Crawfordsville, Ind. Gas-engine. No. 883,688; Apr. 7; Sp. p. 10; Dr. p. 3; Gaz. vol. 133; p. 1196.
- Birch, J. H. and J. S. Foley, West Bromwich, near Birmingham, England. Type-writing machine. No. 876,136; Jan. 7; Sp. p. 884; Dr. pp. 190-1; Gaz. vol. 132; p. 150.
- Birch, J. H., and J. S. Foley, West Bromwich, England. Type-writing machine. No. 876,685; Jan. 14; Sp. p. 2064; Dr. p. 449; Gaz. vol. 132; p. 365.
- Birch, W. M., Crawfordsville, Ind. Fence-tie. No. 893,301; July 14; Sp. p. 1841; Dr. p. 386; Gaz. vol. 135; p. 331.
- Birchell, W. J., Los Angeles, Cal. Fender. No. 896,351; Aug. 18; Sp. p. 3120; Dr. pp. 670-1; Gaz. vol. 135; p. 1454.
- Birchwood, C. W. (See McBean and Birchwood.)
- Bird, G. W., and H. Akins, Statesboro, Ga. Force-feed lubricator. No. 899,378; Sept. 22; Sp. p. 4212; Dr. p. 901; Gaz. vol. 136; p. 781.
- Bird, I. M., *et al.* (See Marshall, W. J., assignor.)
- Bird, J. P., assignor to Hobbs Manufacturing Company, Worcester, Mass. Scoring-machine. No. 907,674; Dec. 22; Sp. p. 5052; Gaz. vol. 137; p. 1905.
- Bird & Son, F. W. (See Wyman, G. R., assignor.)
- Birdsall, C. A., assignor of one-half to R. H. Tatlow, Holden, Mo. Photographic vignetter. No. 900,650; Oct. 6; Sp. p. 1241; Dr. p. 254; Gaz. vol. 136; p. 1263.
- Birdsall, G. I. (See Logsdon, A., assignor.)
- Birdsall, S. N., Dayton, Ohio, assignor to I. Cornwell, Northumberland, Pa. Vehicle-gear. No. 880,620; Mar. 3; Sp. p. 269; Dr. pp. 56-7; Gaz. vol. 133; p. 47.
- Birdsey-Somers Company. (See Doolittle, J. E., assignor.)
- Birdwell, R. J., Weatherford, Tex. Portable bracket. No. 896,269; Aug. 18; Sp. p. 2948; Dr. p. 635; Gaz. vol. 135; p. 1429.
- Birge, L. D. (See Borton and Birge.)
- Birgfeld, W. E., Kensington, Md., assignor to Underwood Typewriter Company, New York, N. Y. Type-writer attachment. No. 907,119; Dec. 22; Sp. p. 3870; Gaz. vol. 137; p. 1719.
- Birkeland, K., Christiania, Norway. Electric furnace. No. 906,682; Dec. 15; Sp. p. 3021; Gaz. vol. 137; p. 1544.
- Birkeland, K., Lysaker, near Christiania, and S. Eyde, Christiania, Norway. Furnace for metallurgical and smelting purposes. No. 889,431; June 2; Sp. p. 479; Dr. p. 114; Gaz. vol. 134; p. 1135.
- Birmingham Iron Foundry. (See Bylund, W., assignor.)
- Birmingham Small Arms Company. (See Driver and Norman, assignors.)
- Birnbaum, S., Boston, Mass. Theatrical appliance. No. 877,286; Jan. 21; Sp. p. 3297; Dr. p. 714; Gaz. vol. 132; p. 604.
- Birney, A. A., *et al.* (See Simmons, J. L., assignor.)
- Birney, C. O., St. Louis, Mo. Car-end construction. No. 908,199; Dec. 29; Sp. p. 6158; Gaz. vol. 137; p. 2110.
- Birnsfield, J. A., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Multiple-switchboard jack. No. 901,672; Oct. 20; Sp. p. 3352; Dr. p. 687; Gaz. vol. 136; p. 1659.
- Birnsfield, J. A., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Spreading device. No. 901,673; Oct. 20; Sp. p. 3554; Dr. p. 687; Gaz. vol. 136; p. 1659.
- Birnsfield, J. A., assignor to A. Stromberg, Chicago, Ill. Telephone substation set. No. 902,641; Nov. 3; Sp. p. 218; Gaz. vol. 137; p. 37.
- Birnsfield, J. A., assignor to A. Stromberg, Chicago, Ill. Transmitter-hinge. No. 902,642; Nov. 3; Sp. p. 220; Gaz. vol. 137; p. 37.
- Bischler, A., assignor to Basle Chemical Works, Basel, Switzerland. Making indoxyl, *etc.* No. 894,579; July 28; Sp. p. 4591; Gaz. vol. 135; p. 803.
- Bischler, A., and A. Baselli, assignors, by mesne assignments, to J. Basler & Cie., Basel, Switzerland. Making camphene. No. 876,137; Jan. 7; Sp. p. 883; Gaz. vol. 132; p. 150.
- Bischler, A., and A. Baselli, assignors, by mesne assignments, to J. Basler & Cie., Basel, Switzerland. Manufacture of isobornyl oxalates from camphene. No. 876,310; Jan. 7; Sp. p. 1236; Gaz. vol. 132; p. 207.
- Bischof, T. (See Fiedler and Bischof.)
- Bischoff, J. B., Mount Clemens, Mich. Damper and pressure regulator. No. 881,656; Mar. 10; Sp. p. 2325; Dr. pp. 503-4; Gaz. vol. 133; p. 418.
- Bishop, G. E., Dowagiac, Mich. Tank-heater. No. 893,774; July 21; Sp. p. 2915; Dr. p. 597; Gaz. vol. 135; p. 517.
- Bishop, G. H., Lawrenceburg, Ind. Plasterer's trowel or float. No. 899,653; Sept. 29; Sp. p. 4773; Dr. p. 1021; Gaz. vol. 136; p. 907.
- Bishop, H. R. (See Jacobs, C. B., assignor.)
- Bishop, J. E., Alton, Mo. Irrigating system. No. 888,217; May 19; Sp. p. 3778; Dr. p. 792; Gaz. vol. 134; p. 676.
- Bishop, J. W., Jr., Worcester, Mass., assignor to J. W. Bishop Company, Providence, R. I. Sash-adjuster. No. 899,783; Sept. 29; Sp. p. 5051; Dr. p. 1082; Gaz. vol. 136; p. 950.
- Bishop, L. N., Dayton, Ky. Garment-shaper. No. 891,138; June 16; Sp. p. 2926; Dr. p. 860; Gaz. vol. 134; p. 1748.
- Bishop, R. H., Wake Forest, N. C. Bed-slat holder. No. 904,041; Nov. 17; Sp. p. 3052; Gaz. vol. 137; p. 555.
- Bishop, R. H., and W. Down, assignors to Auto-Conveyors Limited, London, England. Amusement apparatus of the gravity-railway type. No. 896,430; Aug. 18; Sp. p. 3288; Dr. pp. 706-7; Gaz. vol. 135; p. 1480.
- Bishopric & Company. (See Bishopric, G. F., assignor.)
- Bishopric, G. F., assignor to Bishopric & Company, Toronto, Ontario, Canada. Wall for packing-cases. No. 886,926; May 5; Sp. p. 1177; Dr. p. 247; Gaz. vol. 134; p. 195.
- Biss, E., Sherman, S. D. Cultivator. No. 903,383; Dec. 29; Sp. p. 6539; Gaz. vol. 137; p. 2173.
- Bissell Carpet Sweeper Company. (See Mason, F. C., assignor.)
- Bissell Carpet Sweeper Company. (See Mason and Shanahan, assignors.)
- Bissen, P., Stacyville, Iowa. Loading apparatus. No. 886,344; May 5; Sp. p. 14; Dr. p. 3; Gaz. vol. 134; p. 5.
- Bissen, P., Stacyville, Iowa. Loading apparatus. No. 890,553; June 9; Sp. p. 2719; Dr. p. 601; Gaz. vol. 134; p. 1525.
- Bissen, P., Stacyville, Iowa. Loading apparatus. No. 892,119; June 30; Sp. p. 5945; Dr. p. 1280; Gaz. vol. 134; p. 2135.
- Bissing, P., Topeka, Kans. Action for keyboard stringed musical instruments. No. 899,096; Sept. 22; Sp. p. 3659; Dr. p. 784; Gaz. vol. 136; p. 690.
- Biszantz, F., Chillicothe, Ohio. Lever mechanism. No. 907,720; Dec. 29; Sp. p. 5139; Gaz. vol. 137; p. 1950.
- Bither, F. H., and W. J. Crandall, Niles, Mich. Bed-plate for beating-engines. No. 907,220; Dec. 22; Sp. p. 4084; Gaz. vol. 137; p. 1753.
- Bittle, C. W. (See Bittle, G. W. and C. W.)
- Bittle, G., Sharonville, Ohio. Sign. No. 885,426; Apr. 21; Sp. p. 3617; Dr. p. 758; Gaz. vol. 133; p. 1825.
- Bittle, G. W. and C. W., Clarkston, Wash. Ironing-board. No. 906,503; Dec. 15; Sp. p. 2692; Gaz. vol. 137; p. 1490.
- Bittner, C., New York, N. Y. Stump and root puller. No. 881,657; Mar. 10; Sp. p. 2327; Dr. p. 504; Gaz. vol. 133; p. 418.
- Bittorf, L. A., Sterling, Ill. Sash-fastener. No. 900,079; Oct. 6; Sp. p. 11; Dr. p. 2; Gaz. vol. 136; p. 1076.
- Bittrich, M., Stettin, Germany. Feeding device for retorts and the like. No. 906,187; Dec. 8; Sp. p. 2106; Gaz. vol. 137; p. 1361.
- Bixby, B., Los Angeles, Cal. Buckle. No. 878,764; Feb. 11; Sp. p. 1848; Dr. p. 382; Gaz. vol. 132; p. 1170.
- Bixby, G. H., Chicago, Ill. Embroidery-hoop. No. 882,737; Mar. 24; Sp. p. 4464; Dr. p. 950; Gaz. vol. 133; p. 830.
- Bixby, L. E., and S. A. Peters, Lowell, Mass. Hot-water heater. No. 892,352; June 30; Sp. p. 6397; Dr. pp. 1381-2; Gaz. vol. 134; p. 2213.
- Bixby, M., Salt Lake City, Utah. Cigar-clipper. No. 878,110; Feb. 4; Sp. p. 435; Dr. p. 92; Gaz. vol. 132; p. 919.
- Bixel, M., Pandora, Ohio. Barrel-truck. No. 877,287; Jan. 21; Sp. p. 3300; Dr. p. 714; Gaz. vol. 132; p. 604.
- Bjelland & Co., C., *et al.* (See Rasmussen and Olsen, assignors.)
- Bjelland, H. (See Aze, E., assignor.)
- Bjerregaard, A. P., Mineola, assignor to E. Calman & Company, New York, N. Y. Varnish and producing same. No. 877,482; Jan. 28; Sp. p. 3676; Gaz. vol. 132; p. 687.
- Bjork, E. D., Henriette, Minn. Miter-box. No. 876,315; Jan. 14; Sp. p. 1247; Dr. p. 271; Gaz. vol. 132; p. 239.
- Bjorklund, O., *et al.* (See Peterson, A. W., assignor.)
- Bjorkman, K. S. T., Ottawa, Ontario, Canada. Sprinkling device. No. 903,831; Nov. 17; Sp. p. 2611; Gaz. vol. 137; p. 485.
- Björnson, H., Chicago, Ill. Means for ornamenting picture-frames and furniture. No. 891,976; June 30; Sp. p. 5698; Dr. p. 1226; Gaz. vol. 134; p. 2091.
- Blachon, A., and J. Peretmère, Paris, France. Chemically retting and ungumming of all textile plants. No. 905,639; Dec. 1; Sp. p. 1056; Gaz. vol. 137; p. 1153.
- Black, C., Hawesville, Ky. Folding step for vehicles. No. 903,352; Nov. 10; Sp. p. 1628; Gaz. vol. 137; p. 298.
- Black, C. F., assignor to Toledo Bearing Company, Toledo, Ohio. Trolley-wheel. No. 907,561; Dec. 22; Sp. p. 4746; Gaz. vol. 137; p. 1867.
- Black, H., *et al.* (See Modlin, T. B., assignor.)
- Black, H. A., assignor of one-half to S. E. Starr, Toledo, Ohio. Swivel-joint for electric wires. No. 892,928; July 7; Sp. p. 1085; Dr. p. 228; Gaz. vol. 135; p. 180.
- Black, H. D., Wilmington, Del. Shutter-lock. No. 889,749; June 2; Sp. p. 1095; Dr. p. 253; Gaz. vol. 134; p. 1235.
- Black, J., Monaca, Pa. Card or ticket holder. No. 895,333; Aug. 4; Sp. p. 1126; Dr. p. 236; Gaz. vol. 135; p. 1081.
- Black, J., and A. H. and H. Lennox, Newcastle-upon-Tyne, England. Apparatus for cleaning or washing smoke or gases. No. 903,832; Nov. 17; Sp. p. 2612; Gaz. vol. 137; p. 485.

Alphabetical list of patentees—Continued.

- Black, J., and A. H. and H. Lennox, Newcastle-upon-Tyne, England. Apparatus for cleaning or washing smoke. No. 904,301; Nov. 17; Sp. p. 3633; Gaz. vol. 137; p. 647.
- Black, J., and A. H., H., and A. B. Lennox, Newcastle-upon-Tyne, England. Drying-machine. No. 902,931; Nov. 3; Sp. p. 806; Gaz. vol. 137; p. 133.
- Black, J. F. (See Bowers, J. C., assignor.)
- Black, J. F., Greensburg, Pa. Mail-bag deliverer. No. 884,310; Apr. 7; Sp. p. 1289; Dr. p. 273; Gaz. vol. 133; p. 1398.
- Black, J. L. (See Lanham, H., assignor.)
- Black, J. L., and L. Kipping, St. Louis, Mo.; said Black assignor to said Kipping. Grain-separator. No. 887,580; May 12; Sp. p. 2540; Dr. p. 536; Gaz. vol. 134; p. 433.
- Black, M. B. (See Black, M. M., assignor.)
- Black, M. B., Humphrey, N. Y., assignor to M. B. Black, Dewey, Okla. Supporting device. No. 892,800; July 7; Sp. p. 797; Dr. p. 168; Gaz. vol. 135; p. 137.
- Black, O. H., Benson, Ariz. Ter. Safety brake appliances. No. 897,052; Aug. 25; Sp. p. 4603; Dr. p. 981; Gaz. vol. 135; p. 1709.
- Black, S. T., Greenfield, Ohio. Clothes-washer. No. 903,661; Nov. 10; Sp. p. 2261; Gaz. vol. 137; p. 399.
- Black Sand & Gold Recovery Company. (See Lovett, T. J., assignor.)
- Black, W. G. (See Hoffman, J. A., assignor.)
- Black, W. T., Laquin, Pa. Kiln apparatus. No. 892,975; July 14; Sp. p. 1185; Dr. pp. 249-50; Gaz. vol. 135; p. 225.
- Blackadar, Z. S., Whitman, assignor of one-half to A. C. Folsom and C. O. Emerson, Brockton, Mass. Reinforced leather. No. 891,454; June 23; Sp. p. 4594; Dr. p. 999; Gaz. vol. 134; p. 1885.
- Blackall, R. H. (See Turner and Blackall.)
- Blackburn, J. M., Baltimore, Md. Stretcher for trousers, belts, &c. No. 879,028; Feb. 11; Sp. p. 2330; Dr. p. 488; Gaz. vol. 132; p. 1252.
- Blackburn, J. M., Baltimore, Md. Regulator. No. 879,029; Feb. 11; Sp. p. 2333; Dr. p. 488; Gaz. vol. 132; p. 1252.
- Blackburn, W. K., Milwaukee, Wis. Transmission-gearing. No. 903,952; Nov. 17; Sp. p. 2885; Gaz. vol. 137; p. 526.
- Blackford, A. J., *et al.* (See Possoms, M. A., assignor.)
- Blackford, J. C., Chicago, Ill. Seed-corn tree. No. 878,271; Feb. 4; Sp. p. 776; Dr. p. 155; Gaz. vol. 132; p. 973.
- Blackhall, F. W., Fort Erie, Ontario, Canada, assignor of one-half to G. B. Hinkley, Buffalo, N. Y. Printer's quoin. No. 877,039; Jan. 21; Sp. p. 2799; Dr. p. 604; Gaz. vol. 132; p. 522.
- Blackiston, G. E., Pittsburg, Pa. Vise. No. 877,699; Jan. 28; Sp. p. 4123; Dr. p. 893; Gaz. vol. 132; p. 758.
- Blackledge, E. E., and J. Chaplin, Newton, Iowa. Clothes-line reel. No. 900,823; Oct. 13; Sp. p. 1608; Dr. p. 326; Gaz. vol. 136; p. 1347.
- Blackman, G. L., Whitesville, N. Y. Shoe-blackening box. No. 877,164; Jan. 21; Sp. p. 3051; Dr. p. 661; Gaz. vol. 132; p. 563.
- Blackman, H., New York, N. Y. Ventilating tunnels. No. 893,049; July 14; Sp. p. 1349; Dr. p. 285; Gaz. vol. 135; p. 250.
- Blackmore, F. E. (See Palmer and Blackmore.)
- Blackmore, H. S., Mount Vernon, N. Y. Liberating aluminium and other metals. No. 881,049; Mar. 3; Sp. p. 1112; Dr. p. 241; Gaz. vol. 133; p. 190.
- Blackmore, H. S., Mount Vernon, N. Y. Electrolysis of fluid salts or compounds. No. 884,124; Apr. 7; Sp. p. 952; Dr. p. 199; Gaz. vol. 133; p. 1340.
- Blackmore, H. S., Mount Vernon, N. Y. Reducing aluminium and other metals. No. 886,757; May 5; Sp. p. 867; Dr. p. 180; Gaz. vol. 134; p. 143.
- Blackmore, H. S., Mount Vernon, N. Y. Making cyanids. No. 889,096; May 26; Sp. p. 5569; Dr. p. 1183; Gaz. vol. 134; p. 994.
- Blackmore, H. S., Mount Vernon, N. Y. Making cyanids. No. 889,097; May 26; Sp. p. 5576; Dr. p. 1183; Gaz. vol. 134; p. 994.
- Blackmore, H. S., Mount Vernon, N. Y. Winning aluminium or other metals from their compounds. No. 889,098; May 26; Sp. p. 5583; Dr. p. 1184; Gaz. vol. 134; p. 994.
- Blackmore, H. S., Mount Vernon, N. Y. Formic-aldehyde preparation and making same. No. 889,171; May 26; Sp. p. 5753; Gaz. vol. 134; p. 1019.
- Blackmore, H. S., Mount Vernon, N. Y. Making carbon chlorids, &c. No. 889,573; June 2; Sp. p. 757; Gaz. vol. 134; p. 1179.
- Blackmore, H. S., Mount Vernon, N. Y. Electrode. No. 893,565; July 14; Sp. p. 2417; Dr. p. 503; Gaz. vol. 135; p. 418.
- Blackstock, W. (See Barber, G. W. Sr., assignor.)
- Blackstone, C. W. (See Knapp and Blackstone.)
- Blackstone, G. V. (See Sweet, W., assignor.)
- Blackstone, S. E., Pittsfield, N. H. Collapsible wardrobe. No. 890,554; June 9; Sp. p. 2720; Dr. pp. 601-2; Gaz. vol. 134; p. 1525.
- Blackwell, D. N., assignor of one-half to J. D. Helms, Scotts Hill, Tenn. Cotton-chopper. No. 906,768; Dec. 15; Sp. p. 3199; Gaz. vol. 137; p. 1573.
- Blackwell, G. (See Thomas and Blackwell.)
- Blackwell, J. B., Darlington, S. C. Ratchet-drill. No. 877,288; Jan. 21; Sp. p. 3301; Dr. pp. 714-15; Gaz. vol. 132; p. 605.
- Blackwell, T. M., Basic City, assignor of one-half to C. H. Lambert, Waynesboro, Va. Hinge. No. 905,834; Dec. 8; Sp. p. 1432; Gaz. vol. 137; p. 1248.
- Blackwood, J. P., Athens, Ohio. Switch-operating mechanism. No. 890,326; June 9; Sp. p. 2301; Dr. p. 508; Gaz. vol. 134; p. 1452.
- Blades, J. M., assignor to B. and H. Goodloe, St. Louis, Mo. Furnace-grate. No. 884,005; Apr. 7; Sp. p. 682; Dr. p. 137; Gaz. vol. 133; p. 1301.
- Bladh, S. G., Carlskrona, Sweden. Boiler-fue cleaner. No. 877,395; Jan. 21; Sp. p. 3502; Dr. p. 759; Gaz. vol. 132; p. 638.
- Bladworth, G. H. (See Laub, G. M., assignor.)
- Blaes, A. L., Brook, Ind. Gas-generating apparatus. No. 886,469; May 5; Sp. p. 257; Dr. p. 54; Gaz. vol. 134; p. 47.
- Blaine, J. E. Jr., assignor to Globe-Wernicke Company, Cincinnati, Ohio. Folder or envelop. No. 894,478; July 28; Sp. p. 4395; Dr. p. 907; Gaz. vol. 135; p. 770.
- Blair, G. M., St. Louis, Mo. Sliding-door lock. No. 895,837; Aug. 11; Sp. p. 2132; Dr. p. 452; Gaz. vol. 135; p. 1267.
- Blair, G. M., St. Louis, Mo. Sliding-door lock. No. 905,494; Dec. 1; Sp. p. 773; Gaz. vol. 137; p. 1108.
- Blair, G. W. (See Johnson, J. D., assignor.)
- Blair, J. R., Boston, Mass. Can-washing machine. No. 880,713; Mar. 3; Sp. p. 445; Dr. pp. 93-4; Gaz. vol. 133; p. 78.
- Blair, R., Chicago, Ill. Fertilizer-sower. No. 877,040; Jan. 21; Sp. p. 2800; Dr. pp. 604-5; Gaz. vol. 132; p. 522.
- Blair, R., Chicago, Ill. Potato-digger. No. 889,653; June 2; Sp. p. 898; Dr. pp. 207-8; Gaz. vol. 134; p. 1206.
- Blair, R., Chicago, Ill. Potato-planter. No. 889,654; June 2; Sp. p. 900; Dr. pp. 208-9; Gaz. vol. 134; p. 1206.
- Blair, R. S., New Rochelle, N. Y. Water-bottle. No. 877,396; Jan. 21; Sp. p. 3503; Dr. p. 760; Gaz. vol. 132; p. 638.
- Blair, R. S., New Rochelle, N. Y. Level. No. 892,353; June 30; Sp. p. 6398; Dr. p. 1382; Gaz. vol. 134; p. 2213.
- Blair, W. E., assignor to Buffalo Gasolene Motor Company, Buffalo, N. Y. Propeller-adjusting device. No. 897,341; Sept. 1; Sp. p. 189; Dr. p. 40; Gaz. vol. 136; p. 28.
- Blais, O., assignor of one-half to J. E. Bilodeau, Bromptonville, Quebec, Canada. Nut-lock. No. 879,833; Feb. 18; Sp. p. 3990; Dr. p. 835; Gaz. vol. 132; p. 1556.
- Blaisdell Company. (See Blaisdell and Brown, assignors.)
- Blaisdell Company. (See Brooks, H. A., assignor.)
- Blaisdell, H. W., Los Angeles, Cal. Filter-machine. No. 882,738; Mar. 24; Sp. p. 4465; Dr. pp. 950-1; Gaz. vol. 133; p. 831.
- Blaisdell, H. W., Los Angeles, Cal. Excavator. No. 884,559; Apr. 14; Sp. p. 1800; Dr. p. 387; Gaz. vol. 133; p. 1510.
- Blaisdell, H. W., Los Angeles, Cal. Stack. No. 884,560; Apr. 14; Sp. p. 1802; Dr. pp. 387-8; Gaz. vol. 133; p. 1510.
- Blaisdell, H. W., Los Angeles, Cal. Overflow-gate. No. 887,451; May 12; Sp. p. 2285; Dr. p. 480; Gaz. vol. 134; p. 396.
- Blaisdell, H. W., Los Angeles, Cal. System of cleaning filters. No. 894,873; Aug. 4; Sp. p. 137; Dr. p. 30; Gaz. vol. 135; p. 924.
- Blaisdell, H. W., and H. A. Brooks, Los Angeles, Cal. Filter-leaf. No. 875,687; Jan. 7; Sp. p. 20; Dr. p. 4; Gaz. vol. 132; p. 5.
- Blaisdell, H. W., and J. R. Brown, assignors to Blaisdell Company, Los Angeles, Cal. Mobile hydrometallurgical apparatus. No. 907,500; Dec. 22; Sp. p. 4264; Gaz. vol. 137; p. 1786.
- Blaisdell Paper Pencil Company. (See Smith, C. A., assignor.)
- Blaisdell, W. F., Brooklyn, N. Y. Horse-cleaning implement. No. 876,766; Jan. 14; Sp. p. 2199; Dr. p. 483; Gaz. vol. 132; p. 390.
- Blake, A., and P. Kretzer, assignors of one-third to F. Binnering, Indianapolis, Ind. Umbrella or parasol frame. No. 878,270; Feb. 4; Sp. p. 774; Dr. p. 155; Gaz. vol. 132; p. 973.
- Blake, C. C., Brookline, Mass. Soldering appliance. No. 878,182; Feb. 4; Sp. p. 608; Dr. p. 125; Gaz. vol. 132; p. 944.
- Blake, C. C., Round Grove township, McLeod county, Minn. Safety-envelop. No. 885,573; Apr. 21; Sp. p. 3922; Dr. p. 819; Gaz. vol. 133; p. 1870.
- Blake, C. F., and J. H. Brimson, Watertown, N. Y. Tap and drill holder. No. 907,448; Dec. 22; Sp. p. 4547; Gaz. vol. 137; p. 1832.
- Blake, D. C., Marshfield, Oreg. Motor vessel. No. 897,517; Sept. 1; Sp. p. 571; Dr. p. 119; Gaz. vol. 136; p. 90.
- Blake, E., Kenora, Ontario, Canada. Piston-rod lubricator. No. 897,448; Sept. 1; Sp. p. 428; Dr. p. 91; Gaz. vol. 136; p. 67.
- Blake, G., *et al.* (See Sieben, H., assignor.)
- Blake, G. W., Bellingham, Wash. Package-carrier for bicycles. No. 900,080; Oct. 6; Sp. p. 13; Dr. p. 3; Gaz. vol. 136; p. 1077.
- Blake, J., assignor of one-half to J. W. Macdonald, Silvertown, England. Steam-generator. No. 878,330; Feb. 4; Sp. p. 889; Dr. p. 178; Gaz. vol. 132; p. 992.

Alphabetical list of patentees—Continued.

- Blake, J. E., *et al.*, executors. (See Griffin, W. T.)
- Blake, J. L., Kansas City, Mo., assignor, by mesne assignments, to Geneva Furniture Manufacturing Company, Geneva, N. Y. Combined bed and couch. No. 889,351; June 2; Sp. p. 306; Dr. p. 72; Gaz. vol. 134; p. 1108.
- Blake, J. R., Bisbee, Ariz. Ter. Miner's candlestick. No. 884,632; Apr. 14; Sp. p. 1948; Dr. p. 418; Gaz. vol. 133; p. 1533.
- Blake & Knowles Steam Pump Works. (See Aborn, G. P., assignor.)
- Blake & Knowles Steam Pump Works. (See Bourne, P. P., assignor.)
- Blake, R. J. R., Vancouver, British Columbia, Canada. Thimble. No. 898,085; Sept. 8; Sp. p. 1746; Dr. p. 371; Gaz. vol. 136; p. 306.
- Blake, S. L., Paducah, Tex. Spindle-upsetting device. No. 906,997; Dec. 15; Sp. p. 3621; Gaz. vol. 137; p. 1644.
- Blake, W. F., Harvey, assignor to Paragon Mfg. Co., Chicago, Ill. Washing-machine. No. 887,457; May 12; Sp. p. 2291; Dr. p. 481; Gaz. vol. 134; p. 397.
- Blake, W. F., Harvey, assignor, by mesne assignments, to Paragon Mfg. Co., Chicago, Ill. Washing-machine. No. 900,258; Oct. 6; Sp. p. 377; Dr. p. 78; Gaz. vol. 136; p. 1134.
- Blake, W. F., Chicago, Ill., and L. C. Hunter, Fort Wayne, Ind. Manifolding-receipt. No. 883,079; Mar. 24; Sp. p. 5134; Dr. p. 1095; Gaz. vol. 133; p. 941.
- Blakeley, O., Seattle, Wash. Combination-tool. No. 899,287; Sept. 22; Sp. p. 4055; Dr. p. 867; Gaz. vol. 136; p. 752.
- Blakely, C. C., *et al.* (See Humphrey, E. H., assignor.)
- Blakely, J. S., Wellington, Kans. Grain-meter. No. 895,234; Aug. 4; Sp. p. 918; Dr. pp. 194-5; Gaz. vol. 135; p. 1048.
- Blakeman, W. N., Jr., New York, N. Y. Paint compound. No. 883,513; Mar. 31; Sp. p. 6062; Gaz. vol. 133; p. 1115.
- Blakeman, W. N., Jr., New York, N. Y. Paint compound and making the same. No. 883,514; Mar. 31; Sp. p. 6064; Gaz. vol. 133; p. 1115.
- Blakeman, W. N., Jr., New York, N. Y. Oil. No. 883,515; Mar. 31; Sp. p. 6066; Gaz. vol. 133; p. 1115.
- Blakeman, W. N., Jr., New York, N. Y. Pigment compound and making the same. No. 883,516; Mar. 31; Sp. p. 6067; Gaz. vol. 133; p. 1115.
- Blakeman, W. N., Jr., New York, N. Y. Paint compound. No. 883,517; Mar. 31; Sp. p. 6069; Gaz. vol. 133; p. 1115.
- Blakeman, W. N., Jr., New York, N. Y. Paint compound and making the same. No. 883,518; Mar. 31; Sp. p. 6070; Gaz. vol. 133; p. 1116.
- Blakeman, W. N., Jr., New York, N. Y. Oil. No. 883,519; Mar. 31; Sp. p. 6072; Gaz. vol. 133; p. 1116.
- Blakeman, W. N., Jr., New York, N. Y. Paint compound and making the same. No. 883,520; Mar. 31; Sp. p. 6073; Gaz. vol. 133; p. 1116.
- Blakeman, W. N., Jr., New York, N. Y. Oil. No. 883,521; Mar. 31; Sp. p. 6076; Gaz. vol. 133; p. 1116.
- Blakeman, W. N., Jr., New York, N. Y. Oil. No. 883,522; Mar. 31; Sp. p. 6077; Gaz. vol. 133; p. 1116.
- Blakeslee, C. F., Rapatee, Ill. Harvester. No. 899,944; Sept. 29; Sp. p. 5394; Dr. p. 1151; Gaz. vol. 136; p. 1001.
- Blakeslee, D. R., Vanburen, Ind. Oil-well-pumping mechanism. No. 892,120; June 30; Sp. p. 5946; Dr. p. 1280; Gaz. vol. 134; p. 2136.
- Blakeslee, D. R., Vanburen, Ind. Oil-well-pumping mechanism. No. 892,354; June 30; Sp. p. 6402; Dr. p. 1382; Gaz. vol. 134; p. 2213.
- Blakeslee, G. S. (See Carpenter, R. G., assignor.)
- Blakeslee, G. S., Chicago, Ill. Ice-cutting machine. No. 902,200; Oct. 27; Sp. p. 4451; Dr. p. 900; Gaz. vol. 136; p. 1860.
- Blakeslee, M. D., assignor of one-fourth to H. Burden, 2d, Cazenovia, N. Y. Can-righting machine. No. 876,290; Jan. 7; Sp. p. 1184; Dr. p. 258; Gaz. vol. 132; p. 200.
- Blakeslee, M. D., assignor of one-fourth to H. Burden, 2d, Cazenovia, N. Y. Mechanical can-roller. No. 876,291; Jan. 7; Sp. p. 1187; Dr. p. 258-9; Gaz. vol. 132; p. 200.
- Blakeslee, M. D., assignor of one-fourth to H. Burden, Second, Cazenovia, N. Y. Can feeding and righting machine. No. 878,603; Feb. 11; Sp. p. 1531; Dr. pp. 312-13; Gaz. vol. 132; p. 1117.
- Blakeslee, M. D., assignor of one-fourth to H. Burden, Second, Cazenovia, N. Y. Can feeding and righting machine. No. 880,119; Feb. 25; Sp. p. 4594; Dr. pp. 967-8; Gaz. vol. 132; p. 1682.
- Blakeslee, M. D., assignor of one-fourth to H. Burden, Second, Cazenovia, N. Y. Can-righting machine. No. 880,186; Feb. 25; Sp. p. 4734; Dr. p. 1002; Gaz. vol. 132; p. 1705.
- Blakey, R. O., Pittsburg, Pa. Rail-fastener for metallic ties. No. 894,580; July 28; Sp. p. 4593; Dr. p. 952; Gaz. vol. 135; p. 803.
- Bläkkän, I. J. (See Hestness, B., assignor.)
- Blakey, R. I., Seattle, Wash. Hydraulic air-compressor. No. 880,187; Feb. 25; Sp. p. 4738; Dr. p. 1003; Gaz. vol. 132; p. 1705.
- Blanch, M. S., and S. A. Rosen, Worcester, Mass. Grinding attachment for lawn-mowers. No. 893,302; July 14; Sp. p. 1842; Dr. p. 386; Gaz. vol. 135; p. 332.
- Blanchard, A., Hornsey, and H. Wood, Highbury, England. Incandescent vapor-burner. No. 887,304; May 12; Sp. p. 1972; Dr. p. 414; Gaz. vol. 134; p. 347.
- Blanchard, A. D., El Reno, Okla. Single-trigger attachment for double-barreled guns. No. 891,658; June 23; Sp. p. 5044; Dr. p. 1087; Gaz. vol. 134; p. 1953.
- Blanchard, A. I., Chicago, Ill. Cash-fare-ticket holder and cutter. No. 892,121; June 30; Sp. p. 5947; Dr. p. 1281; Gaz. vol. 134; p. 2136.
- Blanchard, A. S., and H. M. Foote, Cleveland, Ohio. Truck-bolster. No. 881,220; Mar. 10; Sp. p. 1449; Dr. p. 313; Gaz. vol. 133; p. 275.
- Blanchard Co., J. F. (See Goddard, A. C., assignor.)
- Blanchard, F. C., assignor to Ashcroft Manufacturing Company, Bridgeport, Conn. Lavatory-basin. No. 880,961; Mar. 3; Sp. p. 958; Dr. p. 207; Gaz. vol. 133; p. 161.
- Blanchard, F. C., and P. G. Darling, assignors to Consolidated Safety Valve Company, Bridgeport, Conn. Valve. No. 889,895; June 9; Sp. p. 1390; Dr. p. 315; Gaz. vol. 134; p. 1308.
- Blanchard, G. H., South Glens Falls, N. Y. Pulp-flow-box shower device. No. 888,060; May 19; Sp. p. 3485; Dr. p. 730; Gaz. vol. 134; p. 625.
- Blanchard, G. N., assignor of one-half to Electric Manufacturing Co., San Francisco, Cal. Electric heater and drier. No. 901,871; Oct. 20; Sp. p. 3768; Dr. p. 766; Gaz. vol. 136; p. 1724.
- Blanchard, G. W., St. Louis, Mo. Rail-splice. No. 897,707; Sept. 1; Sp. p. 944; Dr. p. 201; Gaz. vol. 136; p. 151.
- Blanchard, J. W., and A. E. Covell, Montpelier, Vt. Lewis. No. 880,962; Mar. 3; Sp. p. 960; Dr. p. 207; Gaz. vol. 133; p. 162.
- Blanchard, S. R., assignor to Ottawa Banking & Trust Company, Ottawa, Ill. Pump. No. 876,618; Jan. 14; Sp. p. 1924; Dr. p. 420; Gaz. vol. 132; p. 343.
- Blanchard, S. R., assignor to Ottawa Banking & Trust Company, Ottawa, Ill. Pump. No. 899,784; Sept. 29; Sp. p. 5053; Dr. p. 1083; Gaz. vol. 136; p. 951.
- Blanchard, V. W., guardian. (See Blanchard, V. W.)
- Blanchard, V. W., and V. W. Blanchard, guardian, New York, N. Y. Hydrocarbon-burner. No. 900,652; Oct. 6; Sp. p. 1244; Dr. p. 255; Gaz. vol. 136; p. 1264.
- Blanch, H., Phoenix, Ariz. Ter., and L. E. Beckerdite, Marshfield, Mo. Engine-stop. No. 884,455; Apr. 14; Sp. p. 1590; Dr. p. 343; Gaz. vol. 133; p. 1476.
- Blanke, M. H., Merseburg, Germany. Semi-automatic revolving lathe with several mandrels. No. 900,007; Sept. 29; Sp. p. 5525; Dr. pp. 1177-8; Gaz. vol. 136; p. 1022.
- Bland, M. A. (See Bradshaw, W. A., assignor.)
- Blaney, E., White City, Kans. Corn-planter. No. 906,769; Dec. 15; Sp. p. 3201; Gaz. vol. 137; p. 1573.
- Blank, A. D., San Francisco, Cal. Fruit and like packing press. No. 890,956; June 16; Sp. p. 3608; Dr. p. 785; Gaz. vol. 134; p. 1691.
- Blank, G. W., Wilkinsburg, Pa. Lubricator. No. 889,574; June 2; Sp. p. 762; Dr. pp. 174-5; Gaz. vol. 134; p. 1179.
- Blankenheim, C., Chicago, Ill. Bicycle spring-frame. No. 896,078; Aug. 18; Sp. p. 2600; Dr. p. 563; Gaz. vol. 135; p. 1368.
- Blankenship, D., Raven, Va. Wrench. No. 900,651; Oct. 6; Sp. p. 1244; Dr. p. 255; Gaz. vol. 136; p. 1264.
- Blanthorn, J. E. (See Donnelly and Blanthorn.)
- Blasius, L., Philadelphia, Pa. Attachment for levers for automatic-playing musical instruments. No. 875,887; Jan. 7; Sp. p. 393; Dr. p. 86; Gaz. vol. 132; p. 72.
- Blasius, O. (See Wuest, P. Jr., assignor.)
- Blass, G., Caternberg, Germany. Solidifying fats, oils, tar, resin, &c. No. 877,289; Jan. 21; Sp. p. 3302; Gaz. vol. 132; p. 605.
- Blatter, U., assignor to L. E. Knott Apparatus Company, Boston, Mass. Projection apparatus. No. 877,041; Jan. 21; Sp. p. 2802; Dr. p. 605; Gaz. vol. 132; p. 523.
- Blau, C. H., and G. W. Kelly, Columbus, Ga. Core-making machine. No. 886,927; May 5; Sp. p. 1178; Dr. p. 248; Gaz. vol. 134; p. 195.
- Blau, C. H., and G. W. Kelly, Columbus, Ga. Adjustable guide-plate for pattern-plates, vibrator-frames, gated patterns, and cope-flasks. No. 887,458; May 12; Sp. p. 2292; Dr. 481; Gaz. vol. 134; p. 397.
- Blau, F., and H. Remané, assignors to Deutsche Gasglühlicht Aktiengesellschaft, (Auergesellschaft), Berlin, Germany. Electric glow-lamp, &c. No. 900,909; Oct. 13; Sp. p. 1790; Dr. p. 361; Gaz. vol. 136; p. 1374.
- Blaubach, P., Bremen, Germany. Device for filling apparatus for making patterns in linoleum. No. 890,596; June 16; Sp. p. 2830; Dr. p. 623; Gaz. vol. 134; p. 1571.
- Blauch, J. A., Annville, Pa. Track-walker's implement. No. 896,512; Aug. 18; Sp. p. 3459; Dr. p. 744; Gaz. vol. 135; p. 1508.
- Blausey, F. E. (See Booth, Blausey, and Smith.)
- Blauvelt, C. V. A., trustee. (See Hutchinson, W. F., assignor.)
- Blaxter, G. H., New Brighton, Pa. Manufacture of seamless tubing. No. 876,856; Jan. 14; Sp. p. 2362; Dr. p. 517; Gaz. vol. 132; p. 418.

Alphabetical list of patentees—Continued.

- Blaizer, A. G., Newark, N. J. Clamp. No. 876,931; Jan. 21; Sp. p. 2546; Dr. p. 556; Gaz. vol. 132; p. 483.
 Bleach & Caustic Process Company. (See Gabriel, G. A., assignor.)
 Bleakney, C. R., Sidney, Ohio. Paper clip or fastener. No. 878,497; Feb. 11; Sp. p. 1291; Dr. p. 260; Gaz. vol. 132; p. 1081.
 Blean, R. C., and F. B. Canode, Chicago, Ill.; said Blean assignor to said Canode. Cooking utensil. No. 881,050; Mar. 3; Sp. p. 1114; Dr. p. 241; Gaz. vol. 133; p. 190.
 Blecher, E., *et al.* (See Schultz and Gehre, assignors.)
 Blechschmidt, C. E., Connerville, Ind. Screw-door safe. No. 894,180; July 28; Sp. p. 3769; Dr. p. 781; Gaz. vol. 135; p. 670.
 Blecker, W. M., Canton, Ohio. Apparatus for oxidizing steel sheets. No. 892,929; July 7; Sp. p. 1086; Dr. p. 228; Gaz. vol. 135; p. 180.
 Blecker, W. M., Canton, Ohio. Oxidizing steel sheets. No. 892,971; July 7; Sp. p. 1162; Dr. p. 245; Gaz. vol. 135; p. 195.
 Bleckley, F. W., Hazleton, Pa. Vehicle-reach. No. 882,615; Mar. 24; Sp. p. 4226; Dr. p. 896; Gaz. vol. 133; p. 791.
 Bleckley, F. W., Hazleton, Pa. Vehicle-standard. No. 883,689; Apr. 7; Sp. p. 12; Dr. p. 3; Gaz. vol. 133; p. 1197.
 Bleckley, F. W., Hazleton, Pa. Running-gear. No. 899,159; Sept. 22; Sp. p. 3369; Dr. p. 827; Gaz. vol. 136; p. 724.
 Bleckley, F. W., assignor to Pressed Steel Wagon Bolster Co., Hazleton, Pa. Wagon-bolster. No. 878,038; Feb. 4; Sp. p. 300; Dr. p. 64; Gaz. vol. 132; p. 897.
 Bleckley, F. W., assignor to Pressed Steel Wagon Bolster Co., Hazleton, Pa. Wagon. No. 878,452; Feb. 4; Sp. p. 1117; Dr. p. 229; Gaz. vol. 132; p. 1032.
 Bleck, W. A. F., Brisbane, Queensland, Australia. Primary battery. No. 899,823; Sept. 29; Sp. p. 5135; Dr. p. 1098; Gaz. vol. 136; p. 963.
 Bleecker, F. G., *et al.* (See Bleecker, W. F., assignor.) (Reissue.)
 Bleecker, M. C., *et al.* (See Bleecker, W. F., assignor.) (Reissue.)
 Bleecker, W. F., Boulder, Colo., assignor of two-thirds to F. G. Bleecker, Grand Island, Nebr., and M. C. Bleecker, Pueblo, Colo. Rotary engine. (Reissue.) No. 12,874; Nov. 10; Sp. p. 2586; Gaz. vol. 137; p. 452.
 Bleichert & Company, Firm of A. (See Pfaffenbach, R., assignor.)
 Bleistein, G. (See Huebner, W. C., assignor.)
 Blenkner, F. C. (See Bassell and Blenkner.)
 Bleoo, J. H., assignor to A. B. Levy, New York, N. Y. Fluid-pressure brake mechanism. No. 892,122; June 30; Sp. p. 5953; Dr. pp. 1281-2; Gaz. vol. 134; p. 2136.
 Bleoo, J. H., Brooklyn, assignor to A. B. Levy, New York, N. Y. Fluid-pressure brake mechanism. No. 892,123; June 30; Sp. p. 5961; Dr. p. 1282; Gaz. vol. 134; p. 2137.
 Blériot, L., Paris, France. Automobile-lamp. No. 881,892; Mar. 17; Sp. p. 2819; Dr. pp. 601-2; Gaz. vol. 133; p. 522.
 Bleser, J., Springfield, Ill. Miner's drill. No. 894,808; Aug. 4; Sp. p. 6; Dr. p. 2; Gaz. vol. 135; p. 902.
 Blessing, C. A., Philadelphia, Pa. Flush-tank. No. 885,574; Apr. 21; Sp. p. 3923; Dr. p. 819; Gaz. vol. 133; p. 1870.
 Blessing, J. G., New Britain, Conn., assignor to American Cutlery Company, Chicago, Ill. Fluid-pressure-operated grinding-machine. No. 876,428; Jan. 14; Sp. p. 1495; Dr. pp. 321-2; Gaz. vol. 132; p. 276.
 Blessing, J. G., New Britain, Conn., assignor to American Cutlery Company, Chicago, Ill. Cutlery-glazing machine. No. 890,957; June 16; Sp. p. 3611; Dr. pp. 785-6; Gaz. vol. 134; p. 1691.
 Blessing, J. G., assignor to American Cutlery Company, Chicago, Ill. Grinding-machine. No. 880,120; Feb. 25; Sp. p. 4600; Dr. pp. 969-70; Gaz. vol. 132; p. 1683.
 Blessing, J. G., assignor to American Cutlery Company, Chicago, Ill. Grinding-machine. No. 880,188; Feb. 25; Sp. p. 4740; Dr. pp. 1003-4; Gaz. vol. 132; p. 1706.
 Blest, M. C., Bellevue, assignor to Pressed Steel Car Company, Pittsburg, Pa. Tank-car. No. 898,177; Sept. 8; Sp. p. 1930; Dr. p. 412; Gaz. vol. 136; p. 335.
 Blest, M. C., Bellevue, assignor to Pressed Steel Car Company, Pittsburg, Pa. Box-car. No. 903,438; Nov. 10; Sp. p. 1791; Gaz. vol. 137; p. 326.
 Blevins, G. B., Little Rock, Ark. Switch-point lock. No. 884,006; Apr. 7; Sp. p. 685; Dr. p. 138; Gaz. vol. 133; p. 1302.
 Bleyer, F. H., Brooklyn, N. Y. Sash-fastener. No. 876,429; Jan. 14; Sp. p. 1498; Dr. p. 322; Gaz. vol. 132; p. 276.
 Bleyer, F. H., Brooklyn, N. Y. Purse and bag fastener. No. 886,175; Apr. 28; Sp. p. 5148; Dr. p. 1083; Gaz. vol. 133; p. 2096.
 Bleyer, S. T., assignor to Hawley Down Draft Furnace Company, Chicago, Ill. Furnace. No. 903,163; Nov. 10; Sp. p. 1249; Gaz. vol. 137; p. 237.
 Blücher, P. A., Chicago, Ill. Sheet-metal box. No. 885,013; Apr. 21; Sp. p. 2744; Dr. p. 582; Gaz. vol. 133; p. 1690.
 Blüchke, C. G. (See Scott and Blüchke.)
 Blieden, M., and J. H. Davies, London, England. Internal-combustion engine. No. 891,901; June 30; Sp. p. 5532; Dr. p. 1194; Gaz. vol. 134; p. 2066.
 Blumeister, L. P., assignor of one-half to W. R. Joseph, Buffalo, N. Y. Junction-box for electric wires. No. 876,619; Jan. 14; Sp. p. 1928; Dr. pp. 420-21; Gaz. vol. 132; p. 343.
 Bliley, C. A. (See Sunderlin and Bliley.)
 Bliss, A. R. (See Brigham, M. S., assignor.)
 Bliss, A. R., Lowell, Mass. Induction-coil. No. 894,479; July 28; Sp. p. 4396; Dr. p. 907; Gaz. vol. 135; p. 770.
 Bliss, A. W. (See Robertson and Delaney, assignors.)
 Bliss, D. M., New York, N. Y. Electric bell. No. 881,539; Mar. 10; Sp. p. 2076; Dr. p. 454; Gaz. vol. 133; p. 378.
 Bliss Electric Car Lighting Company. (See McGary and Jepson, assignors.)
 Bliss, W. L. (See Drake, J. F., assignor.)
 Bliss, W. L., New York, N. Y. Automatic electric regulator. No. 891,589; June 23; Sp. p. 4880; Dr. p. 1051; Gaz. vol. 134; p. 1928.
 Bliss, W. L., New York, N. Y. System of electrical distribution. No. 904,925; Nov. 24; Sp. p. 4934; Gaz. vol. 137; p. 881.
 Bliven, P. C., Danielson, Conn. Trolley-harp. No. 886,176; Apr. 28; Sp. p. 5149; Dr. p. 1083; Gaz. vol. 133; p. 2096.
 Bloch, A. (See Bloch, J., assignor.)
 Bloch, B. A., *et al.* (See Fitz Gerald, W. H., assignor.)
 Bloch, E. M., *et al.* (See Fitz Gerald, W. H., assignor.)
 Bloch, J., Berlin, Germany. Sterilization of grain by fumigation. No. 906,098; Dec. 8; Sp. p. 1935; Gaz. vol. 137; p. 1331.
 Bloch, J., assignor of one-half to A. Bloch, Cincinnati, Ohio. Semivest and trousers. No. 891,977; June 30; Sp. p. 5699; Dr. p. 1227; Gaz. vol. 134; p. 2091.
 Block, L., Mamaroneck, N. Y. Drying air. No. 903,353; Nov. 10; Sp. p. 1630; Gaz. vol. 137; p. 299.
 Block, O. C. A., Davenport, Iowa. Ladder-jack. No. 881,996; Mar. 17; Sp. p. 3035; Dr. p. 646; Gaz. vol. 133; p. 556.
 Blocker, J. P., Larimore, N. D. Coffee-urn. No. 904,113; Nov. 17; Sp. p. 3195; Gaz. vol. 137; p. 681.
 Blocker, J. R., Austin, Tex. Firing mechanism for guns. No. 895,947; Aug. 11; Sp. p. 2340; Dr. pp. 499-500; Gaz. vol. 135; p. 1303.
 Blodgett, A. L., South Bend, Ind. Floor-dressing machine. No. 886,928; May 5; Sp. p. 1180; Dr. p. 248; Gaz. vol. 134; p. 195.
 Blodgett, F. E., and C. E. Kail, Newark, N. J. Vending-machine. No. 894,363; July 28; Sp. p. 4157; Dr. pp. 858-9; Gaz. vol. 135; p. 732.
 Blom, C., assignor of two-thirds to J. A. Bergren and J. H. Moran, Lake Park, Minn. Grain-tank. No. 897,814; Sept. 1; Sp. p. 1165; Dr. p. 248; Gaz. vol. 136; p. 185.
 Blom-Ohlson, F. (See Bull and Blom-Ohlson.)
 Blomquist, K. E., Chicago, Ill. Match-box. No. 892,391; July 7; Sp. p. 6; Dr. p. 2; Gaz. vol. 135; p. 4.
 Blomstrom Manufacturing Co. (See Lavigne, J. F., assignor.)
 Blood, A. J., Lynn, Mass. Receptacle for granular or pulverulent materials. No. 887,760; May 19; Sp. p. 2895; Dr. p. 610; Gaz. vol. 134; p. 526.
 Blood, A. J., Lynn, Mass. Receptacle for granular or pulverulent material. No. 892,392; July 7; Sp. p. 7; Dr. p. 2; Gaz. vol. 135; p. 4.
 Blood Brothers Machine Company. (See Blood, M. E., C. C., H. E., and C. W. H., assignors.)
 Blood, C. C. (See Blood, M. E., C. C., H. E., and C. W. H.)
 Blood, C. W. H. (See Blood, M. E., C. C., H. E., and C. W. H.)
 Blood, C. W. H., Winthrop, and C. G. Osteman, Dorchester, assignors to S. A. Woods Machine Company, Boston, Mass. Side-head jointer for planing-machines. No. 905,051; Nov. 24; Sp. p. 5177; Gaz. vol. 137; p. 924.
 Blood, G., assignor of one-half to G. Mead, Westhope, N. D. Staple-puller. No. 885,575; Apr. 21; Sp. p. 3924; Dr. p. 819; Gaz. vol. 133; p. 1870.
 Blood, H. E. (See Blood, M. E., C. C., H. E., and C. W. H.)
 Blood, L. H., Hartford, assignor to Blood Machine Company, Incorporated, Winchester, Conn. Metal-working machine. No. 876,932; Jan. 21; Sp. p. 2547; Dr. p. 557-8; Gaz. vol. 132; p. 483.
 Blood, M. E., Kalamazoo, Mich. Universal joint. No. 895,149; Aug. 4; Sp. p. 738; Dr. p. 153; Gaz. vol. 135; p. 1018.
 Blood, M. E., C. C., and H. E., Kalamazoo, Mich., and C. W. H. Blood, Winthrop, Mass., assignors to Blood Brothers Machine Company, Kalamazoo, Mich. Universal joint. No. 902,550; Nov. 3; Sp. p. 24; Gaz. vol. 137; p. 5.
 Blood Machine Company. (See Blood, L. H., assignor.)
 Blood, W. H., Jr., Wellesley, Mass. Ground-connection clamp. No. 879,940; Feb. 25; Sp. p. 4254; Dr. p. 889; Gaz. vol. 132; p. 1625.
 Bloom, E. J., Tiffin, Ohio. Valve. No. 876,316; Jan. 14; Sp. p. 1249; Dr. pp. 271-2; Gaz. vol. 132; p. 239.
 Bloom, J. E., New York, N. Y. Food product and making the same. No. 883,930; Apr. 7; Sp. p. 522; Gaz. vol. 133; p. 1276.

Alphabetical list of patentees—Continued.

- Bloom, J. H. (See Bloom, N. H. and J. H.)
 Bloom, N. H., Nashua, Iowa. Vehicle. No. 879,437; Feb. 18; Sp. p. 3171; Dr. pp. 660-1; Gaz. vol. 132; p. 1427.
 Bloom, N. H., Nashua, Iowa. Riding attachment for agricultural implements. No. 887,305; May 12; Sp. p. 1974; Dr. p. 415; Gaz. vol. 134; p. 347.
 Bloom, N. H. and J. H., Nashua, Iowa. Fertilizer-distributor. No. 882,230; Mar. 17; Sp. p. 3484; Dr. p. 741; Gaz. vol. 133; p. 629.
 Bloom, S. C., Philadelphia, Pa. Artificial-tooth mount. No. 897,518; Sept. 1; Sp. p. 574; Dr. p. 120; Gaz. vol. 136; p. 91.
 Bloomberg, C. (See Paneth, B. E., assignor.)
 Bloomberg, C. (See Reznicek, A., assignor.)
 Bloomer, W., New York, N. Y. Suspender-buckle. No. 882,486; Mar. 17; Sp. p. 3948; Dr. p. 844; Gaz. vol. 133; p. 714.
 Bloomer, C. T., Newark, N. Y. Wire handle for paper vessels. No. 878,331; Feb. 4; Sp. p. 892; Dr. p. 178; Gaz. vol. 132; p. 993.
 Bloomer, C. T., Newark, N. Y. Paper vessel. No. 883,855; Apr. 7; Sp. p. 374; Dr. p. 73; Gaz. vol. 133; p. 1251.
 Bloomer, C. T., Newark, N. Y. Folding box. No. 899,654; Sept. 29; Sp. p. 4774; Dr. pp. 1021-2; Gaz. vol. 136; p. 907.
 Bloomer, C. T., Newark, N. Y. Paper receptacle. No. 902,932; Nov. 3; Sp. p. 808; Gaz. vol. 137; p. 133.
 Bloomer, C. T., Newark, N. Y. Paper vessel. No. 906,485; Dec. 8; Sp. p. 2658; Gaz. vol. 137; p. 1456.
 Bloomer, S. H., Seattle, Wash. Grading and excavating machine. No. 887,459; May 12; Sp. p. 2294; Dr. pp. 481-3; Gaz. vol. 134; p. 397.
 Bloomington, L. L., St. Louis, Mo. Shoe. No. 883,281; Mar. 31; Sp. p. 5568; Dr. p. 1188; Gaz. vol. 133; p. 1039.
 Bloss, N. W., Providence, R. I., assignor, by mesne assignments, to Coal Treating Co., Phoenix, Ariz. Ter., and Boston, Mass. Facilitating the combustion of fuel. No. 894,110; July 21; Sp. p. 3608; Gaz. vol. 135; p. 629.
 Blossfeld, E., San Francisco, Cal. Self-feeding sewing-awl. No. 891,201; June 16; Sp. p. 4064; Dr. p. 891; Gaz. vol. 134; p. 1769.
 Blot, L. F., Springfield, Mass. Trimming-chair for forgings. No. 885,427; Apr. 21; Sp. p. 3618; Dr. p. 759; Gaz. vol. 133; p. 1825.
 Blount, W. T., Jr., Thunderbolt, Ga. Combined latch and lock. No. 885,576; Apr. 21; Sp. p. 3925; Dr. p. 819; Gaz. vol. 133; p. 1871.
 Blubaugh, L. A., Bakersfield, Cal. Hydrocarbon-burner. No. 892,706; July 7; Sp. p. 607; Dr. p. 131; Gaz. vol. 135; p. 107.
 Blubaugh, L. A., Los Angeles, Cal. Hydrocarbon-burner. No. 893,775; July 21; Sp. p. 2916; Dr. p. 598; Gaz. vol. 135; p. 518.
 Bluhm, H., and J. H. Regan, Boston, Mass. Furnace. No. 882,616; Mar. 24; Sp. p. 4228; Dr. p. 896; Gaz. vol. 133; p. 791.
 Blum, C., Philadelphia, Pa. Leaflet-holder. No. 893,776; July 21; Sp. p. 2922; Dr. p. 598; Gaz. vol. 135; p. 518.
 Blum, G. J., Chicago, Ill. Lathe-dog. No. 877,882; Jan. 28; Sp. p. 4450; Dr. p. 970; Gaz. vol. 132; p. 816.
 Blum, G. J., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill. Spark-plug. No. 889,432; June 2; Sp. p. 481; Dr. p. 115; Gaz. vol. 134; p. 1136.
 Blum, G. J., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill. Press. No. 893,601; July 21; Sp. p. 2488; Dr. p. 518; Gaz. vol. 135; p. 459.
 Blum, G. J., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill. Punch. No. 902,643; Nov. 3; Sp. p. 222; Gaz. vol. 137; p. 37.
 Blum, I., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Buckle. No. 894,773; July 28; Sp. p. 4952; Dr. p. 1032; Gaz. vol. 135; p. 865.
 Blum, J., Boniface, Brussels, Belgium, assignor of one-half to A. W. Carpenter, London, England. Manufacture of artificial pará rubber. No. 904,470; Nov. 17; Sp. p. 3963; Gaz. vol. 137; p. 703.
 Blum, M., and J. Stein, Elizabethport, N. J. Rope-clamp. No. 876,138; Jan. 7; Sp. p. 889; Dr. p. 191; Gaz. vol. 132; p. 150.
 Blum, P., New York, N. Y. Hand pipe cutter, threader, and wrench. No. 890,327; June 9; Sp. p. 2305; Dr. p. 509; Gaz. vol. 134; p. 1453.
 Blum, R., Lebanon, Ill. Axle-bearing. No. 882,047; Mar. 17; Sp. p. 3149; Dr. p. 669; Gaz. vol. 133; p. 572.
 Blum, R., Berlin, Germany. Clothes-hanger. No. 895,615; Aug. 11; Sp. p. 1680; Dr. p. 355; Gaz. vol. 135; p. 1195.
 Blum, R., Berlin, Germany. Conveying apparatus. No. 906,858; Dec. 15; Sp. p. 3371; Gaz. vol. 137; p. 1601.
 Blumenthal, F., Biebrich, Germany. Baking-powder. No. 883,165; Mar. 31; Sp. p. 5325; Gaz. vol. 133; p. 1000.
 Blumenthal, F., Biebrich, Germany. Moldanting fibrous material. No. 903,833; Nov. 17; Sp. p. 2613; Gaz. vol. 137; p. 485.
 Blumenthal, H. S., et al. (See Banta, G. D., assignor.)
 Blumenthal, S., New York, N. Y. Pile, plush, or nap fabric. No. 908,066; Dec. 29; Sp. p. 5851; Gaz. vol. 137; p. 2064.
 Blumer, F., Engi, Switzerland. Automatic stop-motion mechanism for power-looms. No. 888,300; May 19; Sp. p. 3938; Dr. pp. 828-9; Gaz. vol. 134; p. 703.
 Blumer, J., New York, N. Y. Box-lid holder. No. 892,124; June 30; Sp. p. 5966; Dr. p. 1282; Gaz. vol. 134; p. 2137.
 Blumhard, C. A., et al. (See Gravelle, J., assignor.)
 Blundell, W. J., New York, N. Y. Collapsible ladder. No. 878,332; Feb. 4; Sp. p. 893; Dr. p. 179; Gaz. vol. 132; p. 993.
 Bluntach, A. J., assignor to C. O. Goss, Winona, Minn. Self-playing instrument. No. 900,824; Oct. 13; Sp. p. 1609; Dr. pp. 326-7; Gaz. vol. 136; p. 1348.
 Blüth, S., et al. (See Heilbrunn, Blüth, and Pape.)
 Bly, A. B., Des Moines, Iowa. Gyroscopic top. No. 884,975; Apr. 14; Sp. p. 2669; Dr. p. 567; Gaz. vol. 133; p. 1644.
 Blythe, E. W., Decatur, Tex. Cloth-winding machine. No. 883,690; Apr. 7; Sp. p. 13; Dr. p. 3; Gaz. vol. 133; p. 1197.
 Blythe, J. E., Boonville, Miss. Brush. No. 891,978; June 30; Sp. p. 5700; Dr. p. 1227; Gaz. vol. 134; p. 2091.
 Boak, R. G., Thompsonville, Mich. Field and garden marker. No. 907,721; Dec. 29; Sp. p. 5140; Gaz. vol. 137; p. 1950.
 Boal, S., Piqua, Ohio. Stove. No. 882,617; Mar. 24; Sp. p. 4230; Dr. p. 896; Gaz. vol. 133; p. 791.
 Board, J., Chester, N. Y. Fountain-pen. No. 903,662; Nov. 10; Sp. p. 2262; Gaz. vol. 137; p. 399.
 Boardman, J. W., Josephine, assignor of one-half to L. E. Phillips and M. French, Harlem, Mont. Apparatus for recovering mineral values. No. 899,710; Sept. 29; Sp. p. 4875; Dr. p. 1046; Gaz. vol. 136; p. 923.
 Bobb, A. H., New York, N. Y. Metallic door. No. 896,513; Aug. 18; Sp. p. 3460; Dr. p. 744; Gaz. vol. 135; p. 1509.
 Bobbert, A., Hanover, and H. Zeller, Paderborn, Germany. Breech-closing device for guns. No. 886,929; May 5; Sp. p. 1181; Dr. pp. 248-9; Gaz. vol. 134; p. 195.
 Bobo, B. F., assignor of one-half to E. G. Jessee, Laurens, S. C. Stop-motion for looms. No. 886,177; Apr. 28; Sp. p. 5150; Dr. p. 1083; Gaz. vol. 133; p. 2096.
 Bocchino, E., Belleville, assignor of one-half to J. J. Fusco, Montclair, N. J. Hair-cutting device. No. 907,676; Dec. 22; Sp. p. 5055; Gaz. vol. 137; p. 1906.
 Boch, P., New York, N. Y. Bottle-holding attachment for bottle-washing machines. No. 893,975; July 21; Sp. p. 3336; Dr. p. 683; Gaz. vol. 135; p. 583.
 Bock, A. C. O., assignor to R. F. Emmerich, Brooklyn, N. Y. Coin-controlled vending-machine. No. 907,449; Dec. 22; Sp. p. 4551; Gaz. vol. 137; p. 1832.
 Bock, R., Prague-Smichow, Austria-Hungary. Continuously-operating drying and carbonizing kiln. No. 891,456; June 23; Sp. p. 4600; Dr. pp. 999-1000; Gaz. vol. 134; p. 1886.
 Bockelman, H. H., Sylvan Grove, Kans. Band-cutter and feeder. No. 901,674; Oct. 20; Sp. p. 3356; Dr. p. 688; Gaz. vol. 136; p. 1659.
 Bocorselski, F. E., Springfield, Mass. Multiple drilling-machine. No. 875,979; Jan. 7; Sp. p. 570; Dr. p. 123; Gaz. vol. 132; p. 100.
 Bocorselski, F. E., Springfield, Mass. Turret tool-holder. No. 897,576; Sept. 1; Sp. p. 691; Dr. p. 145; Gaz. vol. 136; p. 109.
 Bocorselski, F. E., Springfield, Mass. Metal-working machine. No. 904,926; Nov. 24; Sp. p. 4939; Gaz. vol. 137; p. 881.
 Boda, J., assignor to Independent Harvester Company, Plano, Ill. Tripping and bundle-counting mechanism for grain-shockers. No. 879,834; Feb. 18; Sp. p. 3991; Dr. pp. 835-6; Gaz. vol. 132; p. 1557.
 Boda, J., assignor to Independent Harvester Company, Plano, Ill. Grain-shocker. No. 879,850; Feb. 25; Sp. p. 4032; Dr. pp. 845-7; Gaz. vol. 132; p. 1594.
 Boda, J., assignor to Independent Harvester Company, Plano, Ill. Manure-spreader. No. 890,597; June 16; Sp. p. 2832; Dr. pp. 623-4; Gaz. vol. 134; p. 1572.
 Boda, J., assignor to Independent Harvester Company, Plano, Ill. Turn-table for vehicles. No. 903,809; Nov. 10; Sp. p. 2553; Gaz. vol. 137; p. 446.
 Bodde, T., Westfield, N. J. Controlling device for cars. No. 888,416; May 19; Sp. p. 4177; Dr. pp. 884-5; Gaz. vol. 134; p. 741.
 Rodde, T., Westfield, N. J. Automatic controlling device for cars. No. 888,417; May 19; Sp. p. 4180; Dr. pp. 885-6; Gaz. vol. 134; p. 741.
 Bode, K., New York, assignor of one-half to T. J. Buchanan, Yonkers, N. Y. Bottle-holder. No. 884,355; Apr. 14; Sp. p. 1393; Dr. p. 298; Gaz. vol. 133; p. 1442.
 Bodé, R. R., Honolulu, Hawaii. Means for repairing the felted heads of piano-hammers. No. 888,141; May 19; Sp. p. 3642; Dr. p. 763; Gaz. vol. 134; p. 651.
 Bodendieck, H. W., St. Louis, Mo. Automatic car-fender. No. 888,578; May 26; Sp. p. 4513; Dr. p. 956; Gaz. vol. 134; p. 827.
 Bodenheim, G. S., et al. (See Humphrey, E. H., assignor.)
 Bodenheim, S. H., et al. (See Humphrey, E. H., assignor.)
 Bodenstein, J. G., Staatsburg, N. Y. Ice-cutting tool. No. 898,306; Sept. 8; Sp. p. 2163; Dr. p. 459; Gaz. vol. 136; p. 374.
 Bodley, F. D., Philadelphia, Pa. Wrench. No. 897,266; Sept. 1; Sp. p. 10; Dr. p. 3; Gaz. vol. 136; p. 4.
 Bodinus, C. F., Austin, Ill. Cash-carrier. No. 906,486; Dec. 8; Sp. p. 2650; Gaz. vol. 137; p. 1459.
 Bodmer, C., New Britain, Conn. Hinge-butt gage. No. 875,688; Jan. 7; Sp. p. 21; Dr. p. 4; Gaz. vol. 132; p. 5.
 Bodmer, C., assignor to Stanley Rule & Level Company, New Britain, Conn. Bevel. No. 893,223; July 14; Sp. p. 1691; Dr. p. 357; Gaz. vol. 135; p. 305.
 Bodmer, E. W., Harrisburg, Pa. Quill pen. No. 885,317; Apr. 21; Sp. p. 3406; Dr. p. 712; Gaz. vol. 133; p. 1790.

Alphabetical list of patentees—Continued.

- Boeck, C. H., assignor to Metal Stamping Company, Jackson, Mich. Refrigerator. No. 891,659; June 23; Sp. p. 5045; Dr. pp. 1087-8; Gaz. vol. 134; p. 1953.
- Boeck, C. H., assignor to Metal Stamping Company, Jackson, Mich. Provision-rack. No. 891,660; June 23; Sp. p. 5048; Dr. p. 1088; Gaz. vol. 134; p. 1954.
- Boeck, H., Berlin, Germany. Measuring-rod. No. 904,830; Nov. 24; Sp. p. 4741; Gaz. vol. 137; p. 851.
- Boeck, W. A., South Omaha, Nebr. Mold for building-blocks. No. 904,927; Nov. 24; Sp. p. 4943; Gaz. vol. 137; p. 882.
- Boeckman, H. J., Dayton, Ohio. Meat-rack. No. 880,857; Mar. 3; Sp. p. 758; Dr. p. 161; Gaz. vol. 133; p. 128.
- Boeddener, I. A., Chicago, Ill. Oven. No. 903,834; Nov. 17; Sp. p. 2614; Gaz. vol. 137; p. 486.
- Boedecker, L. F., assignor to P. O. Stensland, Chicago, Ill. File. No. 884,997; Apr. 14; Sp. p. 2706; Dr. pp. 573-4; Gaz. vol. 133; p. 1650.
- Boegel, C. W. E., Lima, Ohio. Suction-nozzle. No. 881,879; Mar. 10; Sp. p. 2770; Dr. p. 594; Gaz. vol. 133; p. 489.
- Boegel, C. W. E., Lima, Ohio. Dust-separating apparatus. No. 897,342; Sept. 1; Sp. p. 191; Dr. p. 41; Gaz. vol. 136; p. 28.
- Boehm, V. F., Chicago, Ill. Beer cooling and purifying apparatus. No. 882,862; Mar. 24; Sp. p. 4727; Dr. p. 1004; Gaz. vol. 133; p. 871.
- Boehm, W., Berlin-Charlottenburg, Germany. Multiple electric fuse cut-out. No. 898,086; Sept. 8; Sp. p. 1747; Dr. p. 371; Gaz. vol. 136; p. 306.
- Boeken, H. J., Dueren, Germany. Ramie-decorator. No. 877,983; Feb. 4; Sp. p. 173; Dr. pp. 38-9; Gaz. vol. 132; p. 878.
- Boeken, H. J., Dueren, Germany. Machine for divesting parts of plants of their fleshy substance. No. 877,984; Feb. 4; Sp. p. 174; Dr. p. 39; Gaz. vol. 132; p. 878.
- Boelen, G. J., The Hague, Netherlands. Telephone attachment. No. 907,960; Dec. 29; Sp. p. 5633; Gaz. vol. 137; p. 2028.
- Boemper, W. J., Rutherford, N. J., assignor to himself, and H. A. Muecke, New York, N. Y. Attachment for safety-fuses. No. 904,928; Nov. 24; Sp. p. 4947; Gaz. vol. 137; p. 882.
- Boenning, W. M., Manitowoc, Wis., assignor to Veneer Machinery Company, Grand Rapids, Mich. Edge-trimmer. No. 876,292; Jan. 7; Sp. p. 191; Dr. pp. 259-60; Gaz. vol. 132; p. 200.
- Boerger, F., *et al.* (See Millsbaugh, W. H., assignor.)
- Boermal, E., Berlin-Grünwald, Germany. Yielding support for safing buildings against rocking of the ground. No. 896,431; Aug. 18; Sp. p. 3290; Dr. p. 707; Gaz. vol. 135; p. 1481.
- Boesche, H. G. (See Sears and Boesche.)
- Boettcher, H. P., assignor of one-third to F. C. Braun, Jersey City, N. J. Universal indicator. No. 900,472; Oct. 6; Sp. p. 857; Dr. pp. 174-5; Gaz. vol. 136; p. 1205.
- Boettcher, J. W. P., Elizabeth City, N. C. Vehicle. No. 907,562; Dec. 22; Sp. p. 4748; Gaz. vol. 137; p. 1867.
- Bogaert, V. M. A., Lexington, Ky. Clock with alarm and music attachment. No. 904,929; Nov. 24; Sp. p. 4948; Gaz. vol. 137; p. 883.
- Bogart, F. H., assignor to Hartford Automobile Parts Company, Hartford, Conn. Universal joint. No. 896,195; Aug. 18; Sp. p. 2801; Dr. p. 603; Gaz. vol. 135; p. 1403.
- Bogasch, E. L., Chicago, Ill. Registering device for printing-presses. No. 891,034; June 16; Sp. p. 3751; Dr. pp. 818-19; Gaz. vol. 134; p. 1717.
- Bogenberger, F., Milwaukee, Wis. Fireproof door. No. 893,131; July 14; Sp. p. 1510; Dr. p. 317; Gaz. vol. 135; p. 277.
- Bogenberger, F., Milwaukee, Wis. Sash-pivot. No. 897,449; Sept. 1; Sp. p. 429; Dr. p. 92; Gaz. vol. 136; p. 67.
- Bogess, J. H., Henderson, Iowa. Tank-valve. No. 905,787; Dec. 1; Sp. p. 1327; Gaz. vol. 137; p. 1201.
- Boggio, P., West Hoboken, N. J. Swinging-window catch. No. 885,974; Apr. 28; Sp. p. 4760; Dr. p. 1000; Gaz. vol. 133; p. 2033.
- Boggs, G. W., Philadelphia, Pa. Index for books. No. 876,767; Jan. 14; Sp. p. 2200; Dr. pp. 483-4; Gaz. vol. 132; p. 390.
- Boggs, M. M., Dixon, Nebr. Goggles for horses. No. 888,687; May 26; Sp. p. 4750; Dr. p. 1010; Gaz. vol. 134; p. 862.
- Bogk, F. C., J. J. Leach, and A. W. Wingender, Milwaukee, Wis. Water-meter. No. 888,218; May 19; Sp. p. 3780; Dr. p. 793; Gaz. vol. 134; p. 676.
- Bogle, W. L., Bentook, assignor to W. C. McClure and J. T. Harrison, Columbus, Miss. Washtub. No. 898,087; Sept. 8; Sp. p. 1748; Dr. p. 372; Gaz. vol. 136; p. 306.
- Bogue, L. L., East Orwell, Ohio. Insulator. No. 905,141; Dec. 1; Sp. p. 28; Gaz. vol. 137; p. 989.
- Bogue, R. J., Paris, Tex. Stalk-puller, seeder, and pulverizer. No. 891,661; June 23; Sp. p. 5050; Dr. pp. 1088-9; Gaz. vol. 134; p. 1954.
- Bogue, R. J., Paris, Tex. Stalk-puller, seeder, and pulverizer. No. 891,791; June 23; Sp. p. 5296; Dr. p. 1147; Gaz. vol. 134; p. 1999.
- Bogushesky, M., New York, N. Y. Car-fender. No. 897,708; Sept. 1; Sp. p. 945; Dr. p. 202; Gaz. vol. 136; p. 152.
- Böhlen, R., Canton, Ohio. Safety device for elevators. No. 900,473; Oct. 6; Sp. p. 859; Dr. p. 175; Gaz. vol. 136; p. 1205.
- Böhler, M., Wilhelmsbad, Germany, assignor to Cassella Color Company, New York, N. Y. Manufacture of multicolored fabrics. No. 904,752; Nov. 24; Sp. p. 4561; Gaz. vol. 137; p. 823.
- Bohlig, M., assignor to Bohlig Manufacturing Company, St. Paul, Minn. Device for filling ice-cream cornets. No. 900,348; Oct. 6; Sp. p. 579; Dr. p. 120; Gaz. vol. 136; p. 1163.
- Bohlig Manufacturing Company. (See Bohlig, M., assignor.)
- Bohlin, C. A., *et al.* (See Swanberg, A. W., assignor.)
- Bohm, F. C., Boston, Mass. Ratchet-drill. No. 885,221; Apr. 21; Sp. p. 3212; Dr. p. 670; Gaz. vol. 133; p. 1758.
- Böhm, J., *et al.* (See Köszei, K., assignor.)
- Böhm, K. (See Umlauf and Böhm.)
- Böhm, L. (See Gauss, A., assignor.)
- Böhm, O., Berlin, Germany. Train control for electric accumulator-locomotives. No. 884,007; Apr. 7; Sp. p. 687; Dr. p. 138; Gaz. vol. 133; p. 1302.
- Bohn, M., Pueblo, Colo. Cylinder relief-valve. No. 880,004; Feb. 25; Sp. p. 4369; Dr. p. 916; Gaz. vol. 132; p. 1645.
- Bohn, R., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Resinous product and making same. No. 898,307; Sept. 8; Sp. p. 2164; Gaz. vol. 136; p. 374.
- Bohne, F., Chapel Hill, Tex. Gate. No. 894,581; July 28; Sp. p. 4594; Dr. p. 952; Gaz. vol. 135; p. 803.
- Bohnenberger, W. D., East Orange, N. J. Stringed musical instrument. No. 876,430; Jan. 14; Sp. p. 1499; Dr. p. 322; Gaz. vol. 132; p. 277.
- Bohr, N. C., Boston, Mass., assignor to Manufacturers Machine Company, Montclair, N. J. Insole. No. 878,453; Feb. 4; Sp. p. 1118; Dr. p. 229; Gaz. vol. 132; p. 1032.
- Bohr, N. C., assignor, by mesne assignments, to T. G. Plant, Boston, Mass. Heel-scourer guard. No. 883,445; Mar. 31; Sp. p. 5926; Dr. p. 1265; Gaz. vol. 133; p. 1093.
- Boidin, A., Seclin, France, assignor to Societe Anonyme Amylo, Antwerp, Belgium. Rendering carbohydrates soluble. No. 906,188; Dec. 8; Sp. p. 2109; Gaz. vol. 137; p. 1361.
- Boies, E. M. and W. W. Yarmouth, Iowa. Machine for scouring eggs. No. 901,774; Oct. 20; Sp. p. 3597; Dr. p. 728; Gaz. vol. 136; p. 1694.
- Boies, W. W. (See Boies, E. M. and W. W.)
- Boilers and Engineering Company. (See Del Mar, H., assignor.)
- Boirault, L., Paris, France. Draw-bar of car-couplings. No. 889,748; June 2; Sp. p. 1094; Dr. p. 253; Gaz. vol. 134; p. 1235.
- Boisard, L., Lyon, France. Cutting straight, helicoidal, and conical gear-teeth. No. 906,189; Dec. 8; Sp. p. 2112; Gaz. vol. 137; p. 1362.
- Boissonneault, G. and N., Manchester, N. H. Robbin-holder. No. 884,356; Apr. 14; Sp. p. 1394; Dr. p. 298; Gaz. vol. 133; p. 1442.
- Boissonneault, N. (See Boissonneault, G. and N.)
- Boisvert, J. L., Kankakee, Ill. Crate. No. 887,060; May 12; Sp. p. 1440; Dr. p. 306; Gaz. vol. 134; p. 266.
- Bök, N. S., Stockholm, Sweden. Elastically-articulated shaft and journaling device. No. 878,859; Feb. 11; Sp. p. 2025; Dr. p. 418; Gaz. vol. 132; p. 1200.
- Bök, N. S., Stockholm, Sweden. Journaling device. No. 878,860; Feb. 11; Sp. p. 2026; Dr. p. 418; Gaz. vol. 132; p. 1200.
- Bokor, M., Jersey City Heights, N. J. Portable partition-wall. No. 887,912; May 19; Sp. p. 3210; Dr. p. 675; Gaz. vol. 134; p. 578.
- Boian, P. E., Cloquet, Minn. Switch-signal. No. 879,240; Feb. 18; Sp. p. 2762; Dr. pp. 578-9; Gaz. vol. 132; p. 1363.
- Boland, J. V., St. Louis, Mo. Chimney. No. 907,101; Dec. 15; Sp. p. 3802; Gaz. vol. 137; p. 1677.
- Bold, F., Los Angeles, Cal. Magnifying-glass. No. 889,352; June 2; Sp. p. 309; Dr. p. 73; Gaz. vol. 134; p. 1108.
- Bold, G., Plainfield, N. J. Air-ship. No. 888,301; May 19; Sp. p. 3939; Dr. p. 829; Gaz. vol. 134; p. 703.
- Boldt, C. F., Detroit, Mich. Machine for honing razors. No. 903,835; Nov. 17; Sp. p. 2616; Gaz. vol. 137; p. 486.
- Boldt, F. H., *et al.* (See Wiens, J. J., assignor.)
- Bole, S. T., assignor to J. G. Brill Company, Philadelphia, Pa. Guard-rail for passenger-cars. No. 902,368; Oct. 27; Sp. p. 4816; Dr. p. 973; Gaz. vol. 136; p. 1916.
- Bole, W. A., Pittsburg, Pa., assignor to The Westinghouse Machine Company. Turbine-rotor. No. 900,700; Oct. 13; Sp. p. 1352; Dr. p. 276; Gaz. vol. 136; p. 1307.
- Bolens, H. W., Port Washington, Wis. Chair-iron. No. 891,222; June 16; Sp. p. 4113; Dr. p. 901; Gaz. vol. 134; p. 1777.
- Bolens, H. W., Port Washington, Wis. Revolving chair. No. 899,504; Sept. 29; Sp. p. 4454; Dr. p. 956; Gaz. vol. 136; p. 858.
- Boley, E. H. (See Yates, Devey, Richan and Devey, assignors.)
- Boley, H. D., *et al.* (See Dickerson, A., assignor.)
- Boley L., Ohio City, Ohio. Tool-holder. No. 903,048; Nov. 3; Sp. p. 1041; Gaz. vol. 137; p. 170.
- Bolger, R. S., New York, N. Y., assignor, by mesne assignments, to Velox Manufacturing Company. Stencil and frame. No. 881,173; Mar. 10; Sp. p. 1355; Dr. p. 292; Gaz. vol. 133; p. 260.

Alphabetical list of patentees—Continued.

- Bolger, R. S., Richmond Hill, N. Y., assignor, by mesne assignments, to Velox Manufacturing Company. Stencil and frame. No. 881,174; Mar. 10; Sp. p. 1357; Dr. p. 292; Gaz. vol. 133; p. 261.
- Bolick, D., *et al.* (See Gilleland, E. B., assignor.)
- Bolinski, H. J., New London, Wis. Fruit-picker. No. 888,459; May 26; Sp. p. 4768; Dr. p. 904; Gaz. vol. 134; p. 784.
- Boll, G. W., Mount Hope, Kans. Storage-bin. No. 897,709; Sept. 1; Sp. p. 947; Dr. p. 202; Gaz. vol. 136; p. 152.
- Bollenbach, F., assignor of two-thirds to B. Bath and C. Hornberger, Pittsburg, Pa. Bookbinding. No. 902,933; Nov. 3; Sp. p. 810; Gaz. vol. 137; p. 134.
- Bolthorn, F., Veddel, near Hamburg, Germany. Aerial ship. No. 904,930; Nov. 24; Sp. p. 4952; Gaz. vol. 137; p. 883.
- Bollin, T., Ashland, Ky. Gas-stove. No. 906,998; Dec. 15; Sp. p. 3622; Gaz. vol. 137; p. 1644.
- Bollman, F. (See Gehricke, F., assignor.)
- Bolls, V. V., Rockport, Tex. Oven. No. 907,102; Dec. 15; Sp. p. 3804; Gaz. vol. 137; p. 1677.
- Bolte, E. F. (See Bolte, T. H., assignor.)
- Bolte, T. H., Kearney, Nebr., assignor of one-half to E. F. Bolte, Eau Claire, Wis. Concrete-mixer. No. 898,958; Sept. 15; Sp. p. 3393; Dr. pp. 728-9; Gaz. vol. 136; p. 618.
- Bolte & Weyer Company. (See Weyer, J. J., assignor.)
- Boltenstern, M. A., Lynn Center, Ill. Gas-machine. No. 895,717; Aug. 11; Sp. p. 1879; Dr. pp. 398-9; Gaz. vol. 135; p. 1229.
- Bolton, D. G., Camden, N. J. Electrical insulator. No. 880,121; Feb. 25; Sp. p. 4005; Dr. p. 970; Gaz. vol. 132; p. 1683.
- Bolton, H., *et al.* (See Watson, W. C., assignor.)
- Bolton, H. N., Paterson, N. J. Watch-guard. No. 885,975; Apr. 28; Sp. p. 4760; Dr. p. 1000; Gaz. vol. 133; p. 2033.
- Bolton, J., and J. Weiss, Chicago, Ill. Sewing-machine. No. 903,439; Nov. 10; Sp. p. 1793; Gaz. vol. 137; p. 326.
- Bolton, W. von, Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Manufacturing the filaments of electric incandescent lamps. No. 891,223; June 16; Sp. p. 4114; Dr. p. 902; Gaz. vol. 134; p. 1777.
- Bolton, W. von, Charlottenburg, Germany, assignor to Siemens & Halske A. G. Hardening tantalum. No. 896,705; Aug. 25; Sp. p. 3827; Gaz. vol. 135; p. 1591.
- Bolton, W. von, Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Making homogeneous bodies from tantalum metal or other refractory metals. No. 904,831; Nov. 24; Sp. p. 4742; Gaz. vol. 137; p. 851.
- Bolton, W. von, Charlottenburg, assignor to Siemens & Halske, A. G., Berlin, Germany. Removing carbon from metallic filaments. No. 905,402; Dec. 1; Sp. p. 545; Gaz. vol. 137; p. 1077.
- Bolus, W. G., Peoria, Ill., assignor to Hearst Foundry & Manufacturing Company. Seed-feed device. No. 877,547; Jan. 28; Sp. p. 3840; Dr. p. 831; Gaz. vol. 132; p. 710.
- Bolze, H. (See Nathan and Bolze.)
- Bolze, H. A., Hanover, Germany. Boiler. No. 898,548; Sept. 15; Sp. p. 2645; Dr. p. 565; Gaz. vol. 136; p. 436.
- Boman, C. W., assignor to Eagle Pencil Company, New York, N. Y. Fountain-pen. No. 907,722; Dec. 29; Sp. p. 5142; Gaz. vol. 137; p. 1951.
- Bomm, W. H., Westwood, N. J. Cord-cutting device. No. 908,067; Dec. 29; Sp. p. 5852; Gaz. vol. 137; p. 2064.
- Bommer, A. H., and W. J. Robert, St. Louis, Mo. Shaft-coupling. No. 882,739; Mar. 24; Sp. p. 4469; Dr. p. 952; Gaz. vol. 133; p. 831.
- Bommer, E., New York, N. Y. Spring-hinge for screen-doors. No. 882,289; Mar. 17; Sp. p. 3608; Dr. p. 765; Gaz. vol. 133; p. 650.
- Bommer, E., New York, N. Y. Double-acting spring-hinge. No. 898,031; Sept. 8; Sp. p. 1645; Dr. p. 350; Gaz. vol. 136; p. 288.
- Bon, J. A., Vincennes, France. Projectile. No. 879,079; Feb. 11; Sp. p. 2426; Dr. p. 508; Gaz. vol. 132; p. 1268.
- Bonar, L. J., Indianapolis, Ind. Spool attachment. No. 889,750; June 2; Sp. p. 1096; Dr. p. 254; Gaz. vol. 134; p. 1235.
- Bonar, W. E. (See McGinley and Bonar.)
- Bond Bottle Sealing Company. (See Bond, S. C., assignor.)
- Bond, C. J., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 885,715; Apr. 28; Sp. p. 4205; Dr. p. 880; Gaz. vol. 133; p. 1945.
- Bond, C. J., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 890,120; June 9; Sp. p. 1852; Dr. p. 408; Gaz. vol. 134; p. 1385.
- Bond, C. L., Los Angeles, Cal. Electro-automatic weighing apparatus. No. 880,858; Mar. 3; Sp. p. 760; Dr. pp. 161-3; Gaz. vol. 133; p. 128.
- Bond, C. L., Los Angeles, Cal. Automatic weighing-scale. No. 887,913; May 19; Sp. p. 3211; Dr. p. 676; Gaz. vol. 134; p. 578.
- Bond, C. L., Los Angeles, Cal. Bag-holder. No. 889,751; June 2; Sp. p. 1097; Dr. p. 254; Gaz. vol. 134; p. 1236.
- Bond, C. T. H., Richmond, Ind. Feeder-governor. No. 884,357; Apr. 14; Sp. p. 1395; Dr. p. 299; Gaz. vol. 133; p. 1443.
- Bond, I. M., North Tazewell, Va. Fire-cracker. No. 901,317; Oct. 20; Sp. p. 2581; Dr. p. 531; Gaz. vol. 136; p. 1540.
- Bond, J. F., Milpitas, Cal. Machine for sharpening and setting saws. No. 895,150; Aug. 4; Sp. p. 740; Dr. p. 154; Gaz. vol. 135; p. 1018.
- Bond, J. J., Reading, Mass. Tire and luggage carrier for automobiles, &c. No. 879,511; Feb. 18; Sp. p. 3326; Dr. p. 695; Gaz. vol. 132; p. 1451.
- Bond, L. L. (See Sullivan, C. M., assignor.)
- Bond, L. W., New York, N. Y., assignor to Berbecker & Rowland Manufacturing Company, Waterville, Conn. Curtain-pole. No. 905,142; Dec. 1; Sp. p. 293; Gaz. vol. 137; p. 983.
- Bond, R. T., Coalgate, Okla. Combination-tool. No. 893,602; July 21; Sp. p. 2491; Dr. p. 519; Gaz. vol. 135; p. 459.
- Bond, S. C., Wilmington, Del., assignor, by mesne assignments, to Bond Bottle Sealing Company. Machine for capping bottles. No. 883,127; Mar. 24; Sp. p. 5239; Dr. p. 1118; Gaz. vol. 133; p. 958.
- Bond, S. C., Wilmington, Del., assignor, by mesne assignments, to Bond Bottle Sealing Company. Metal-shaping tool. No. 883,128; Mar. 24; Sp. p. 5241; Dr. p. 1119; Gaz. vol. 133; p. 958.
- Bond, S. C., Wilmington, Del., assignor, by mesne assignments, to Bond Bottle Sealing Company. Mechanism for sealing and capping bottles. No. 898,959; Sept. 15; Sp. p. 3395; Dr. p. 729; Gaz. vol. 136; p. 618.
- Bond, S. C., Wilmington, Del., assignor, by mesne assignments, to Bond Bottle Sealing Company. Sealing and capping bottles. No. 899,004; Sept. 15; Sp. p. 3477; Dr. p. 705; Gaz. vol. 136; p. 633.
- Bond, W. A., Lynnfield, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Grinding-machine. No. 891,902; June 30; Sp. p. 5535; Dr. p. 1194; Gaz. vol. 134; p. 2066.
- Boner, J. H., assignor to Badische Anilin und Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making alizarin. No. 885,577; Apr. 21; Sp. p. 3926; Gaz. vol. 133; p. 1871.
- Bonesteel, A. E., Denver, Colo. Kitchen-cabinet. No. 888,142; May 19; Sp. p. 3644; Dr. p. 763; Gaz. vol. 134; p. 651.
- Bonesteel, H. F., Iowa Falls, Iowa. Wire stretcher and splicer. No. 885,830; Apr. 28; Sp. p. 4454; Dr. pp. 935-6; Gaz. vol. 133; p. 1984.
- Bonesteel, H. F., Shannon, Mont. Wire stretcher and splicer. No. 901,775; Oct. 20; Sp. p. 3600; Dr. pp. 728-9; Gaz. vol. 136; p. 1694.
- Bonfield, E. W. (See Fellows and Bonfield.)
- Bongartz, C., Mielsdorf, near Düken, Germany. Hoeing-machine. No. 902,201; Oct. 27; Sp. p. 4454; Dr. p. 901; Gaz. vol. 136; p. 1861.
- Bonifay, J., *et al.* (See Gannon, W. E., assignor.)
- Böniger, M., assignor to Chemical Works, formerly Sandoz, Basel, Switzerland. Yellow azo dye and making same. No. 901,675; Oct. 20; Sp. p. 3359; Gaz. vol. 136; p. 1660.
- Bonn, H. J., Scranton, Pa. Clarinet. No. 878,333; Feb. 4; Sp. p. 895; Dr. pp. 179-80; Gaz. vol. 132; p. 993.
- Bonnell, H. D., Norfolk, Va. Combined tobacco-reservoir and cigarette-filler. No. 879,851; Feb. 25; Sp. p. 4045; Dr. p. 847; Gaz. vol. 132; p. 1595.
- Bonnell, H. D., Norfolk, Va. Sampler for granular material. No. 902,049; Oct. 27; Sp. p. 4152; Dr. p. 841; Gaz. vol. 136; p. 1812.
- Bonnell, L. P., North East, Pa. Device for preventing the creeping of rails. No. 905,835; Dec. 8; Sp. p. 1433; Gaz. vol. 137; p. 1248.
- Bonnell, R. A., Chicago, Ill. Excavating-tool. No. 889,192; June 2; Sp. p. 9; Dr. p. 3; Gaz. vol. 134; p. 1058.
- Bonner, L., Ames, Colo. Rotary engine. No. 897,519; Sept. 1; Sp. p. 575; Dr. p. 120; Gaz. vol. 136; p. 91.
- Bonner Maschinenfabrik & Eisengiesserei Fr. Mönkemöller & Cie. (See Lichtig, I., assignor.)
- Bonner, W. T., Washington, N. C. Friction member. No. 903,049; Nov. 3; Sp. p. 1042; Gaz. vol. 137; p. 171.
- Bonnicksen, B., Coventry, and F. A. Chandler, Leamington, England. Electrically-synchronized time-measuring instrument. No. 884,358; Apr. 14; Sp. p. 1399; Dr. pp. 299-300; Gaz. vol. 133; p. 1443.
- Bonom, A., New York, N. Y. Safety apparatus for railways. No. 900,474; Oct. 6; Sp. p. 860; Dr. p. 176; Gaz. vol. 136; p. 1206.
- Bonroe, F. A., St. Louis, Mo. Flat-iron. No. 899,200; Sept. 22; Sp. p. 3870; Dr. p. 827; Gaz. vol. 136; p. 725.
- Bonsall, S. W., New York, N. Y. Trunk-fastener. No. 888,061; May 19; Sp. p. 3456; Dr. p. 730; Gaz. vol. 134; p. 625.
- Bonsall, S. W., New York, N. Y. Trunk. No. 898,549; Sept. 15; Sp. p. 2648; Dr. p. 566; Gaz. vol. 136; p. 436.
- Bontempi, A., New York, N. Y. Rust-proofing iron, steel, &c. No. 881,221; Mar. 10; Sp. p. 1453; Dr. p. 313; Gaz. vol. 133; p. 275.
- Bonvillain, P., Paris, France, assignor, by mesne assignments, to E. H. Mumford Company, Philadelphia, Pa. Apparatus for use in manufacturing small metallic pattern-plates. (Reissue.) No. 12,760; Mar. 10; Sp. p. 2787; Dr. p. 598; Gaz. vol. 133; p. 492.
- Bonvillain, P., Paris, France, assignor, by mesne assignments, to E. H. Mumford Company, Philadelphia, Pa. Apparatus for grinding or crushing foundry-sand, &c. (Reissue.) No. 12,778; Apr. 7; Sp. p. 1385; Dr. p. 296; Gaz. vol. 133; p. 1414.
- Bonvillain, P., Paris, France, assignor to E. H. Mumford Company, Philadelphia, Pa. Machine for manipulating foundry-molds and the like. (Reissue.) No. 12,811; June 16; Sp. p. 4117; Dr. pp. 902-3; Gaz. vol. 134; p. 1778.

Alphabetical list of patentees—Continued.

- Bonvillain, P., Paris, France, assignor to E. H. Mumford Company, Philadelphia, Pa. Hydraulic molding-press. (Reissue.) No. 12,885; Nov. 24; Sp. p. 5348; Gaz. vol. 137; p. 953.
- Bonvillain, P., Paris, France, assignor to E. H. Mumford Company, Philadelphia, Pa. Apparatus for making pattern-plates. (Reissue.) No. 12,886; Nov. 24; Sp. p. 5351; Gaz. vol. 137; p. 953.
- Bonvillain, P., and E. Ronceray, Paris, France, assignors, by mesne assignments, to E. H. Mumford Company, Philadelphia, Pa. Mold-ing-machine. (Reissue.) No. 12,877; Nov. 10; Sp. p. 2594; Gaz. vol. 137; p. 453.
- Bonvoisin, L. H., Verviers, Belgium. Lay figure or garment-form. No. 895,718; Aug. 11; Sp. p. 1883; Dr. p. 399; Gaz. vol. 135; p. 1229.
- Bonzano, A., Philadelphia, Pa. Anticreeper for rails. No. 890,328; June 9; Sp. p. 2307; Dr. p. 509; Gaz. vol. 134; p. 1453.
- Bonzano, M. F., New York, N. Y. Rail-fastening. No. 906,860; Dec. 15; Sp. p. 3377; Gaz. vol. 137; p. 1602.
- Bonzano, M. F., Goshen, Va., assignor to Penn Railroad Tie Company, Camden, N. J. Composite railway cross-tie. No. 893,430; July 14; Sp. p. 2104; Dr. p. 441; Gaz. vol. 135; p. 374.
- Bonzano, M. F., Goshen, Va., assignor to Penn Railroad Tie Company, Camden, N. J. Rail-fastening. No. 906,859; Dec. 15; Sp. p. 3375; Gaz. vol. 137; p. 1602.
- Book, A. F., Chalfont, Pa. Packing. No. 900,653; Oct. 6; Sp. p. 1246; Dr. p. 255; Gaz. vol. 136; p. 1264.
- Booker, H. (See Pilia and Booker.)
- Boone, B. S., Paxton, Ill. Ventilator attachment. No. 900,349; Oct. 6; Sp. p. 580; Dr. p. 120; Gaz. vol. 136; p. 1164.
- Boose, C. A. (See Martin, F. E., assignor.)
- Boos, C. M. B., Muscatine, Iowa. Crown and bridge work. No. 884,977; Apr. 14; Sp. p. 2672; Dr. p. 568; Gaz. vol. 133; p. 1645.
- Boost, C. W., Portland, Ore. Folding seat for window-cleaning. No. 907,677; Dec. 22; Sp. p. 5060; Gaz. vol. 137; p. 1906.
- Booth, A. (See Barker, I., assignor.)
- Booth, A. C., Burlington, Vt. Handle of brushes and other manicuring articles. No. 976,317; Jan. 14; Sp. p. 1251; Dr. p. 272; Gaz. vol. 132; p. 240.
- Booth, A. T., Waterbury, Conn., assignor to Good Manufacturing Company, New York, N. Y. Pipe-collar. No. 895,948; Aug. 11; Sp. p. 2344; Dr. p. 500; Gaz. vol. 135; p. 1303.
- Booth, C., Ilion, N. Y. Type-writer. No. 881,459; Mar. 10; Sp. p. 1925; Dr. p. 419; Gaz. vol. 133; p. 352.
- Booth, C. F., Canandaigua, N. Y. Tray for instruments. No. 896,432; Aug. 18; Sp. p. 3291; Dr. p. 708; Gaz. vol. 135; p. 1481.
- Booth, E. L., deceased, Cincinnati, Ohio; J. L. Booth, administrator, assignor to J. L. Booth, Cincinnati, Ohio. Gate-operating device. No. 897,267; Sept. 1; Sp. p. 11; Dr. p. 3; Gaz. vol. 136; p. 4.
- Booth, G., New York, N. Y. Easel. No. 903,050; Nov. 3; Sp. p. 1045; Gaz. vol. 137; p. 171.
- Booth, G. R., Chana, Ill. Lever for lifting-jacks. No. 882,447; Mar. 17; Sp. p. 3881; Dr. p. 830; Gaz. vol. 133; p. 702.
- Booth, H. S., Manchester, England. Aerial machine. No. 907,120; Dec. 22; Sp. p. 3873; Gaz. vol. 137; p. 1720.
- Booth, H. S., Manchester, England. Aerial machine. No. 907,310; Dec. 22; Sp. p. 4266; Gaz. vol. 137; p. 1786.
- Booth, J. C., Columbus, Ohio. Automatic pump for tires. No. 895,738; Aug. 11; Sp. p. 2134; Dr. p. 452; Gaz. vol. 135; p. 1268.
- Booth, J. H., F. E. Blausey, and A. M. Smith, San Pedro, Cal. Cut-out. No. 884,978; Apr. 14; Sp. p. 2673; Dr. p. 568; Gaz. vol. 133; p. 1645.
- Booth, J. J., Rockford, Ill. Shears and scissors. No. 898,401; Sept. 8; Sp. p. 2330; Dr. p. 495; Gaz. vol. 136; p. 405.
- Booth, J. L. (See Booth, E. L., assignor.)
- Booth, L. E. (See Bates, Clapp, and Booth.)
- Booth, L. E. (See Bates, Clapp, and Booth.)
- Booth, N., assignor to Banner Rock Products Company, Alexandria, Ind. Insulating compound. No. 884,456; Apr. 14; Sp. p. 1591; Gaz. vol. 133; p. 1477.
- Booth, R. W., New York, assignor to R. W. Booth, Jr., Brooklyn, N. Y. Ornamental article. No. 884,998; Apr. 14; Sp. p. 2707; Dr. p. 574; Gaz. vol. 133; p. 1651.
- Booth, R. W., Jr. (See Booth, R. W., assignor.)
- Booth, W., Edgewater, N. J. Illuminated sign. No. 885,831; Apr. 28; Sp. p. 4459; Dr. p. 936; Gaz. vol. 133; p. 1984.
- Booty, J. L., et al. (See Mayhew, J. D., assignor.)
- Boppe, F. L. (See King, J. N., assignor.)
- Borchers, H. L., Denver, Colo. Air and gas compressor. No. 905,640; Dec. 1; Sp. p. 1057; Gaz. vol. 137; p. 1153.
- Borchert, W. (See Akery and Borchert.)
- Borden, M. M., Collingswood, assignor to Simplex Valve & Meter Company, Camden, N. J. Automatic fluid-controller. No. 883,383; Mar. 31; Sp. p. 5787; Dr. p. 1235; Gaz. vol. 133; p. 1071.
- Borden, P. H., Portland, Me. Post-card shield. No. 884,701; Apr. 14; Sp. p. 2122; Dr. p. 452; Gaz. vol. 133; p. 1557.
- Borden's Condensed Milk Company. (See Marsh and Lanzit, assignors.)
- Borein, C. A., Oakland, Cal. Water-heater. No. 895,151; Aug. 4; Sp. p. 742; Dr. p. 154; Gaz. vol. 135; p. 1018.
- Borgelt, J. F., Moscow Mills, Mo. Horseshoe-calk. No. 888,385; May 19; Sp. p. 4097; Dr. p. 865; Gaz. vol. 134; p. 729.
- Borger, J. C. F., Curwensville, Pa. Carpet-fastener. No. 883,129; Mar. 24; Sp. p. 5243; Dr. p. 1119; Gaz. vol. 133; p. 958.
- Borgerding, H. H., New Albany, Ind. Device for inserting drawer-stops. No. 877,165; Jan. 21; Sp. p. 3052; Dr. p. 661; Gaz. vol. 132; p. 563.
- Borgerding, H. H., New Albany, Ind. Machine for inserting drawer-stops. No. 877,166; Jan. 21; Sp. p. 3054; Dr. p. 661; Gaz. vol. 132; p. 564.
- Borgmeier, A. J. (See Nunamaker, J. W., assignor.)
- Borgnet, P., Liege, Belgium. Electrolytic apparatus. No. 903,164; Nov. 10; Sp. p. 1250; Gaz. vol. 137; p. 237.
- Borhek, E. M., Ridley Park, assignor of one-half to E. L. Fox, Philadelphia, Pa. Hook or garment fastener. No. 891,202; June 16; Sp. p. 4065; Dr. p. 891; Gaz. vol. 134; p. 1769.
- Boring, J. B., Anderson, Ind. Weight or follower. No. 896,079; Aug. 18; Sp. p. 2602; Dr. p. 564; Gaz. vol. 135; p. 1368.
- Bork, H. S., Randers, Denmark. Cutting-nippers for removing insulation from cables. No. 893,132; July 14; Sp. p. 1511; Dr. p. 318; Gaz. vol. 135; p. 277.
- Borkenhagen, A. A., St. Louis, Mo. Safety-guard for street-cars. No. 894,181; July 28; Sp. p. 3772; Dr. pp. 781-2; Gaz. vol. 135; p. 671.
- Borland, B., Chicago, Ill. Calendar. No. 885,222; Apr. 21; Sp. p. 3213; Dr. p. 670; Gaz. vol. 133; p. 1758.
- Borman, J. P. (See Piper and Borman.)
- Bormann, J. G. L., Charlottenburg, Germany. Gas-generator. No. 890,489; June 9; Sp. p. 2591; Dr. p. 574; Gaz. vol. 134; p. 1503.
- Born, G. W., Champaign, Ill. Rein-guard. No. 876,139; Jan. 7; Sp. p. 889; Dr. p. 191; Gaz. vol. 132; p. 151.
- Bornefeld, A., Barmen, Germany. Clutch. No. 895,152; Aug. 4; Sp. p. 743; Dr. p. 155; Gaz. vol. 135; p. 1018.
- Borneman, L., Denison, Tex. Boiler stay-bolt. No. 891,139; June 16; Sp. p. 3028; Dr. p. 860; Gaz. vol. 134; p. 1748.
- Bornstein, M., et al. (See Schwartz, M., assignor.)
- Börreson, B. H. (See Washburn, Roney, and Börreson.)
- Borries, F. W. A. von, deceased; T. W. Worsdell, Carnforth, R. H. Lapage, Walmer, and J. C. Taite, London, England, assignees. Com-pound locomotive. (Reissue.) No. 12,751; Feb. 11; Sp. p. 2559; Dr. p. 533; Gaz. vol. 132; p. 1286.
- Borsch, J. L., Jr., Philadelphia, Pa., assignor, by mesne assignments, to Kryptok Company. Bifocal lens. No. 876,933; Jan. 21; Sp. p. 2557; Dr. p. 558; Gaz. vol. 132; p. 484.
- Borsch, J. L., Jr., Philadelphia, Pa., assignor, by mesne assignments, to Kryptok Company. Manufacturing bifocal lenses. No. 887,028; May 5; Sp. p. 1370; Dr. p. 231; Gaz. vol. 134; p. 227.
- Borsum, L., Plainfield, N. J. Slide for photographic-plate holders. No. 894,582; July 28; Sp. p. 4595; Dr. p. 953; Gaz. vol. 135; p. 804.
- Borton, G. W. (See Hiller and Borton.)
- Borton, S., Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Seam. No. 883,614; Mar. 31; Sp. p. 6247; Dr. p. 1333; Gaz. vol. 133; p. 1144.
- Borton, S., and L. D. Birge, Providence, R. I., assignors to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Seam. No. 883,615; Mar. 31; Sp. p. 6252; Dr. p. 1333; Gaz. vol. 133; p. 1145.
- Borzykowski, B., Berlin, Germany. Pattern-paper linen. No. 875,770; Jan. 7; Sp. p. 180; Dr. pp. 38-9; Gaz. vol. 132; p. 34.
- Bosch, K., and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of barium cyanid. No. 879,030; Feb. 11; Sp. p. 2334; Gaz. vol. 132; p. 1253.
- Bosco, F. W. (See Card, Bosco, and Glassbrook.)
- Bosdorfer, W. F. (See Stuck and Bosdorfer.)
- Bösherz, M. (See Tannert and Bösherz.)
- Bosler, J. E., Olean, N. Y. Curtain-fixture. No. 908,384; Dec. 29; Sp. p. 6541; Gaz. vol. 137; p. 2173.
- Boss, M. P., San Francisco, Cal. Concentrator. No. 878,861; Feb. 11; Sp. p. 2027; Dr. pp. 418-19; Gaz. vol. 132; p. 1200.
- Boss, M. P., San Francisco, Cal. Stamp-mill tappet. No. 901,417; Oct. 20; Sp. p. 2825; Dr. p. 577; Gaz. vol. 136; p. 1576.
- Bossart, X., assignor to American Silk Thread Finishing Co., Paterson, N. J. Finishing and lustering machine. No. 904,173; Nov. 17; Sp. p. 3351; Gaz. vol. 137; p. 603.
- Bosse, C. (See Scoville, E. M., assignor.)
- Bossert, C. P., Milwaukee, Wis., assignor to Pfister & Vogel Leather Company. Leather blackening and seasoning machine. No. 880,859; Mar. 3; Sp. p. 769; Dr. pp. 163-4; Gaz. vol. 133; p. 129.

Alphabetical list of patentees—Continued.

- Bossert, E. J., assignor to J. Baum, Cincinnati, Ohio. Permutation-lock. No. 904,302; Nov. 17; Sp. p. 3635; Gaz. vol. 137; p. 647.
- Bossert, L. W. (See Bossert, W. F. and L. W.)
- Bossert, W. F., Utica, N. Y. Connection for switch-points. No. 893,133; July 14; Sp. p. 1512; Dr. pp. 318-19; Gaz. vol. 135; p. 277.
- Bossert, W. F., Utica, N. Y. Adjustable connection for switch-points. No. 894,583; July 28; Sp. p. 4596; Dr. p. 953; Gaz. vol. 135; p. 804.
- Bossert, W. F. and L. W., assignors to W. F. Bossert Mfg. Co., Utica, N. Y. Signal-blade clasp. No. 887,306; May 12; Sp. p. 1976; Dr. p. 415; Gaz. vol. 134; p. 347.
- Bosshard, A., assignor to Firm of Aktiengesellschaft Arnold B. Heine & Co., Arbon, Switzerland. Appliance for severing embroidered web. No. 878,111; Feb. 4; Sp. p. 437; Dr. pp. 92-3; Gaz. vol. 132; p. 920.
- Bossi, G., Rome, Italy, assignor to G. Mazzacorati, New York, N. Y. Railway-tie. No. 877,042; Jan. 21; Sp. p. 2804; Dr. p. 605; Gaz. vol. 132; p. 523.
- Bosson, J. S. (See Cheney and Bosson.)
- Bostick, W. E., Lancaster, Pa. Cigar-tip. No. 882,185; Mar. 17; Sp. p. 3407; Dr. p. 724; Gaz. vol. 133; p. 617.
- Bostock, H., *et al.* (See Swain, H. J., assignor.)
- Bostock, W. F., assignor of one-half to F. F. Field, Brockton, Mass. Top lift for boot and shoe heels. No. 907,723; Dec. 29; Sp. p. 5143; Gaz. vol. 137; p. 1951.
- Boston Auto Gage Company. (See Martin, M., assignor.)
- Boston Bolt Company. (See Cleghorn, E. D., assignor.)
- Boston Bottle Wiring & Labeling Company. (See Brown, J. M., assignor.)
- Boston, E. H. (See Ford and Boston.)
- Boston Fast Color Eyelet Company. (See Latham, A., assignor.)
- Boston Machine Works Company. (See Dunn, G. F., assignor.) (Reissue.)
- Boston Machine Works Company. (See Illingworth, H. I., assignor.)
- Boston Machine Works Company. (See Jennings, F. S., assignor.)
- Boston Machine Works Company. (See Jennings, F. G., assignor.) (Reissue.)
- Boston Machine Works Company. (See Lyon, H., assignor.)
- Boston, Paul, New Castle, Pa. Device for feeding tinning-machines. No. 884,008; Apr. 7; Sp. p. 688; Dr. pp. 138-9; Gaz. vol. 133; p. 1302.
- Boston Safety Switch Company. (See McManama, J. W., assignor.)
- Boston Telephone Selector Company. (See Mayberry and Holland, assignors.)
- Bostrom, E. A., Atlanta, Ga., assignor to Clayton & Bentley Co. Detector or feeler-point. No. 882,992; Mar. 24; Sp. p. 4972; Dr. p. 1058; Gaz. vol. 133; p. 914.
- Bostwick, A. J., Eau Claire, Wis. Stake-holder. No. 905,788; Dec. 1; Sp. p. 1328; Gaz. vol. 137; p. 1202.
- Bostwick, A. J., assignor of one-half to Eau Claire Mill Supply Co., Eau Claire, Wis. Stake-holder. No. 897,249; Aug. 25; Sp. p. 5088; Dr. p. 1062; Gaz. vol. 135; p. 1776.
- Bostwick, H. J. (See Bostwick, J. R., assignor.)
- Bostwick, J. R., assignor of one-half to H. J. Bostwick, Clifton Springs, N. Y. Cover for milk-pails. No. 881,767; Mar. 10; Sp. p. 2527; Dr. p. 544; Gaz. vol. 133; p. 451.
- Bostwick Steel Lath Company. (See Hurlbert, W. G., assignor.)
- Bostwick, W. A., Rochester, N. Y. Cover-fastening for fruit-jars. No. 886,930; May 5; Sp. p. 1183; Dr. p. 249; Gaz. vol. 134; p. 196.
- Bosworth, A. H., Fall River Mills, Cal. Hay-loader. No. 897,054; Aug. 25; Sp. p. 4606; Dr. pp. 981-2; Gaz. vol. 135; p. 1710.
- Bosworth, F. C. (See Kurtz, C. B., assignor.)
- Bosworth, F. E., San Francisco, Cal. Mirror. No. 883,616; Mar. 31; Sp. p. 6255; Dr. p. 1333; Gaz. vol. 133; p. 1145.
- Bosworth, F. E., San Francisco, Cal. Wave-power pumping apparatus. No. 886,931; May 5; Sp. p. 1185; Dr. pp. 249-50; Gaz. vol. 134; p. 196.
- Bothwell, G. A., Owen Sound, Ontario, Canada. Locomotive. No. 882,618; Mar. 24; Sp. p. 4231; Dr. p. 897; Gaz. vol. 133; p. 792.
- Botkin, I. M., Carlos, Ind. Wire splice or coupling. No. 879,941; Feb. 25; Sp. p. 4256; Dr. p. 890; Gaz. vol. 132; p. 1625.
- Botsford, A. K. (See Kaspis, A. von, assignor.)
- Bott, J. M., Leadville, Colo. Wrench. No. 893,976; July 21; Sp. p. 3337; Dr. p. 684; Gaz. vol. 135; p. 583.
- Böttcher, A., Benndorf, near Delitzsch, Germany. Band-cutter and feeder. No. 886,178; Apr. 28; Sp. p. 5152; Dr. p. 1084; Gaz. vol. 133; p. 2097.
- Botteese, S. (See Koiner and Botteese.)
- Bottle Capping Machine Company. (See Cooper, W., assignor.)
- Bottlers Machinery Manufacturing Company. (See Bastian, C. L., assignor.)
- Bottlers Machinery Manufacturing Company. (See Strashburger, F. C. H., assignor.)
- Bottrill, F., Tintinara, South Australia, Australia. Traction-wheel. No. 902,369; Oct. 27; Sp. p. 4817; Dr. p. 973; Gaz. vol. 136; p. 1916.
- Botts, F. M., Ingalls, Okla. Gate. No. 892,026; June 30; Sp. p. 5774; Dr. p. 1283; Gaz. vol. 134; p. 2105.
- Bötz, H. W., Ludwigshafen-on-the-Rhine, Germany. Apparatus for scouring and cleaning the interiors of pipes or tubes. No. 899,236; Sept. 22; Sp. p. 3948; Dr. p. 841; Gaz. vol. 136; p. 737.
- Bouchard, A. C., assignor to Bouchard & Killian, Milwaukee, Wis. Safety tackle-block. No. 908,355; Dec. 29; Sp. p. 6542; Gaz. vol. 137; p. 2173.
- Bouchard, A. S., St. Louis, Mo. Metallic railway-tie. No. 891,662; June 23; Sp. p. 5052; Dr. p. 1089; Gaz. vol. 134; p. 1954.
- Bouchard, A. S., St. Louis, Mo., and J. A. Wilkinson, New York, N. Y., said Wilkinson assignor to said Bouchard. Metallic railway-tie. No. 891,663; June 23; Sp. p. 5053; Dr. pp. 1089-90; Gaz. vol. 134; p. 1955.
- Bouchard, H., Austin, Tex. Trolley-pole. No. 880,963; Mar. 3; Sp. p. 961; Dr. p. 207; Gaz. vol. 133; p. 162.
- Bouchard, J. B. (See Robidoux, E., assignor.)
- Bouchard, J. J., and I. A. Bravin, Bradford, Pa. Pipe, rod, and wire-cable clamp or coupling. No. 896,053; Aug. 11; Sp. p. 2546; Dr. p. 551; Gaz. vol. 135; p. 1337.
- Bouchard & Killian. (See Bouchard, A. C., assignor.)
- Boucher, A., Brooklyn, assignor, by mesne assignments, to A. L. Boucher, New York, N. Y. Individual-cigarette-tipping machine. No. 887,761; May 19; Sp. p. 2896; Dr. pp. 610-11; Gaz. vol. 134; p. 527.
- Boucher, A. L. (See Boucher, A., assignor.)
- Boucher, H. S., Glade, Pa. Check-lock for cars. No. 885,907; Apr. 28; Sp. p. 4597; Dr. p. 963; Gaz. vol. 133; p. 2009.
- Boucher, J., *et al.* (See Berard, J. S., assignor.)
- Boucher, T., Manchester, N. H. Picker-stick check. No. 904,753; Nov. 24; Sp. p. 4562; Gaz. vol. 137; p. 823.
- Boudreau, F. X. F. (See Richard, J., assignor.)
- Boughn, F. N., Riverside, Cal. Wheel-tire. No. 888,302; May 19; Sp. p. 3941; Dr. p. 830; Gaz. vol. 134; p. 704.
- Boughton, F. M., Reno, Nev. Camp-stove. No. 878,862; Feb. 11; Sp. p. 2030; Dr. p. 419; Gaz. vol. 132; p. 1201.
- Boughton, W. H., assignor of one-half to L. L. Kropp, Cleveland, Ohio. Smoking-pipe cleaner. No. 888,688; May 26; Sp. p. 4751; Dr. p. 1010; Gaz. vol. 134; p. 863.
- Bouillon, C. G. V. (See Prache and Bouillon.)
- Boulanger, E. C., and J. B. Delaye, assignors, by mesne assignments, to Société Arthur Cerf et Cie., Paris, France. Mechanism for driving the diaphragms of disk phonographs. No. 897,053; Aug. 25; Sp. p. 4604; Dr. p. 981; Gaz. vol. 135; p. 1709.
- Boulter, W. A., Congers, assignor of one-half to J. H. Stillwagon and J. J. Bechtold, New York, N. Y. Rope-clamp. No. 895,065; Aug. 4; Sp. p. 581; Dr. p. 120; Gaz. vol. 135; p. 990.
- Bouds, J. W., and J. R. Burton, Charlotte, N. C., assignors to Draper Company, Hopedale, Mass. Filling-detecting mechanism for looms. No. 906,683; Dec. 15; Sp. p. 3021; Gaz. vol. 137; p. 1545.
- Bour, J., Sedalia, Mo. Mail-crane. No. 897,268; Sept. 1; Sp. p. 12; Dr. p. 3; Gaz. vol. 136; p. 4.
- Bourdreaux, G. C., assignor to M. W. Swartz, Peoria, Ill. Trolley-wheel. No. 892,355; June 30; Sp. p. 6403; Dr. p. 1382; Gaz. vol. 134; p. 2213.
- Bourdreaux, G. C., assignor to M. W. Swartz and J. Bourdreaux, Peoria, Ill. Pattern for casting cylinders. No. 879,942; Feb. 25; Sp. p. 4257; Dr. p. 890; Gaz. vol. 132; p. 1628.
- Bourdreaux, G. C., assignor to M. W. Swartz and J. Bourdreaux, Peoria, Ill. Gas-explosion engine. No. 889,193; June 2; Sp. p. 11; Dr. p. 3; Gaz. vol. 134; p. 1059.
- Bourdreaux, G. C., assignor to M. W. Swartz and J. Bourdreaux, Peoria, Ill. Pattern for cylinders. No. 892,356; June 30; Sp. p. 6406; Dr. p. 1383; Gaz. vol. 134; p. 2212.
- Bourdreaux, J., *et al.* (See Bourdreaux, G. C., assignor.)
- Bourdette, W. C., Gunnison, Colo. Amalgamator. No. 889,099; May 26; Sp. p. 5593; Dr. pp. 1184-5; Gaz. vol. 134; p. 995.
- Bourdon, C., Paris, France. Multitubular boiler. No. 880,189; Feb. 25; Sp. p. 4744; Dr. p. 1004; Gaz. vol. 132; p. 1706.
- Bourn, A. C., Bristol, R. I. Vulcanization. No. 876,431; Jan. 14; Sp. p. 1501; Dr. p. 323; Gaz. vol. 132; p. 277.
- Bourn, A. O., Providence, R. I. Rubber sandal. No. 901,064; Oct. 13; Sp. p. 2094; Dr. p. 426; Gaz. vol. 136; p. 1425.
- Bourn, R. T., Templeton, Mass. Post-office furniture. No. 902,934; Nov. 3; Sp. p. 811; Gaz. vol. 137; p. 134.

Alphabetical list of patentees—Continued.

- Bourne, F. N., Providence, R. I. Suit-case. No. 892,125; June 30; Sp. p. 5967; Dr. p. 1283; Gaz. vol. 134; p. 2138.
- Bourne, G. C., Worcester, Mass. Barrel-grip for revolvers and other pistols. No. 897,577; Sept. 1; Sp. p. 693; Dr. p. 145; Gaz. vol. 136; p. 109.
- Bourne, G. C., Worcester, Mass. Combined grip and sight for firearms. No. 898,178; Sept. 8; Sp. p. 1933; Dr. p. 413; Gaz. vol. 136; p. 335.
- Bourne, J. C., and G. H. Rees, London, England. Valve for internal-combustion engines. No. 901,277; Oct. 13; Sp. p. 2490; Dr. p. 509; Gaz. vol. 136; p. 1491.
- Bourne, J. C., and G. H. Rees, London, England. Steam-trap. No. 907,675; Dec. 22; Sp. p. 5053; Gaz. vol. 137; p. 1906.
- Bourne, N. F., Ferryville, Wis. Binder. No. 879,356; Feb. 18; Sp. p. 2931; Dr. p. 623; Gaz. vol. 132; p. 1400.
- Bourne, P. P., Somerville, Mass., assignor to Blake & Knowles Steam Pump Works. Air-pump. No. 901,945; Oct. 27; Sp. p. 3926; Dr. p. 801; Gaz. vol. 136; p. 1779.
- Bournonville, E. M., Jersey City, N. J. Forming rail-bonds, &c. No. 880,271; Feb. 25; Sp. p. 4919; Dr. p. 1041; Gaz. vol. 132; p. 1734.
- Bournonville, E. M., assignor to Davis-Bournonville Acetylene Development Company, Jersey City, N. J. Forming rail-bonds. No. 894,720; July 28; Sp. p. 4861; Dr. p. 1011; Gaz. vol. 135; p. 348.
- Bourque, C., Vancouver, British Columbia, Canada. Clothes-line sheave. No. 906,999; Dec. 15; Sp. p. 3625; Gaz. vol. 137; p. 1645.
- Bouscal, J., San Francisco, Cal. Movable platform and elevating means therefor. No. 891,457; June 23; Sp. p. 4602; Dr. p. 1000; Gaz. vol. 134; p. 1887.
- Bousman, W. F., Grand Rapids, Mich. Oil-fliter. No. 901,418; Oct. 20; Sp. p. 2825; Dr. p. 577; Gaz. vol. 136; p. 1576.
- Bousquet, J. A. (See Hochule and Bousquet.)
- Boutell Manufacturing Company. (See Boutell, W. H., assignor.)
- Boutell, W. H., assignor to Boutell Manufacturing Company, Rochester, N. Y. Apple-paring machine. No. 892,393; July 7; Sp. p. 9; Dr. pp. 2-3; Gaz. vol. 135; p. 4.
- Boutell, W. H., assignor to Boutell Manufacturing Company, Rochester, N. Y. Fruit-paring machine. No. 892,394; July 7; Sp. p. 12; Dr. pp. 4-5; Gaz. vol. 135; p. 5.
- Bovee, R. Y., assignor of one-half to W. M. Hardison and J. S. Settle, Jr., Denver, Colo. Wrench. No. 889,194; June 2; Sp. p. 14; Dr. p. 4; Gaz. vol. 134; p. 1059.
- Bowde, P. W. (See Stolp and Bowde.)
- Bowden, A. J., Minneapolis, Minn., assignor of one-half to A. B. Robbins, Elroy, Wis. Detachable boiler-flue. No. 885,662; Apr. 21; Sp. p. 4091; Dr. p. 856; Gaz. vol. 133; p. 1897.
- Bowden, E. A. B. (See Jacobs, Insell, and Bowden.)
- Bowden, J. C. (See Staines, F., assignor.)
- Bowden, W., New York, N. Y. Tire and wheel therefor. No. 884,702; Apr. 14; Sp. p. 2124; Dr. p. 453; Gaz. vol. 133; p. 1557.
- Bowditch, J. H., New Brighton, N. Y. Reinforced concrete cross-tie. No. 894,253; July 28; Sp. p. 3939; Dr. p. 812; Gaz. vol. 135; p. 695.
- Bowdle, F. A. (See Fogarty, Brock, and Bowdle.)
- Bowdoin, H. L., New York, N. Y. Theatrical apparatus. No. 877,167; Jan. 21; Sp. p. 3055; Dr. p. 662; Gaz. vol. 132; p. 564.
- Bowdon, V. G., Balingier, Tex. Convertible bed. No. 907,311; Dec. 22; Sp. p. 4269; Gaz. vol. 137; p. 1786.
- Bowe, A., Portland, Oreg. Oil-fliter. No. 896,797; Aug. 25; Sp. p. 4038; Dr. pp. 869-70; Gaz. vol. 135; p. 1623.
- Bowe, J. C., assignor of one-half to L. P. Cornet, Indianapolis, Ind. Combined sifter and strainer. No. 896,352; Aug. 18; Sp. p. 3123; Dr. p. 671; Gaz. vol. 135; p. 1454.
- Bowell, G. B., Westminster, London, England. Secondary electric clock. No. 882,186; Mar. 17; Sp. p. 3409; Dr. p. 724; Gaz. vol. 133; p. 617.
- Bowen, A. F. W., San Francisco, Cal. Caster. No. 899,505; Sept. 29; Sp. p. 4456; Dr. p. 956; Gaz. vol. 136; p. 858.
- Bowen, A. L., assignor to C. K. Pevey, Worcester, Mass. Extension top or canopy for vehicles. No. 876,768; Jan. 14; Sp. p. 2202; Dr. p. 454; Gaz. vol. 132; p. 390.
- Bowen, C. R., Fordyce, Ark. Draw-head for railway-cars. No. 880,270; Feb. 25; Sp. p. 4918; Dr. p. 1041; Gaz. vol. 132; p. 1734.
- Bowen, C. R., Jr., Jones county, Ga. Cotton-scrape. No. 877,899; Feb. 4; Sp. p. 4; Dr. p. 1; Gaz. vol. 132; p. 849.
- Bowen, G. H., Boston, Mass. Closed-circuit thermostat. No. 887,061; May 12; Sp. p. 1441; Dr. p. 306; Gaz. vol. 134; p. 266.
- Bowen, G. H., Boston, Mass. Thermostatic circuit-controller. No. 903,165; Nov. 10; Sp. p. 3784; Dr. p. 817; Gaz. vol. 135; p. 237.
- Bowen, J., Philadelphia, assignor to Sayre Stamping Company, Sayre, Pa. Machine for cutting screws, &c. No. 882,290; Mar. 17; Sp. p. 3609; Dr. p. 765; Gaz. vol. 133; p. 650.
- Bowen, J., Philadelphia, assignor to Sayre Stamping Company, Sayre, Pa. Machine for cutting screws, &c. No. 893,431; July 14; Sp. p. 2106; Dr. pp. 441-2; Gaz. vol. 135; p. 374.
- Bowen, J. H., Philadelphia, Pa. Safety-razor. No. 880,860; Mar. 3; Sp. p. 774; Dr. p. 164; Gaz. vol. 133; p. 129.
- Bowen, J. S., Milwaukee, Wis. Clothes-bar. No. 891,228; June 23; Sp. p. 4142; Dr. p. 906; Gaz. vol. 134; p. 1812.
- Bowen, L. F., Jr., Baltimore, Md. Shirt. No. 899,154; Sept. 22; Sp. p. 3779; Dr. p. 809; Gaz. vol. 136; p. 710.
- Bowen, W. F., Melrose Highlands, Mass. Packet-fastener. No. 896,685; Aug. 18; Sp. p. 3784; Dr. p. 817; Gaz. vol. 135; p. 1561.
- Bower, B. B., Sr., and G. G., Bainbridge, Ga. Rotary engine. No. 906,684; Dec. 15; Sp. p. 3023; Gaz. vol. 137; p. 1545.
- Bower, G. G. (See Bower, B. B., Sr., and G. G.)
- Bower, J. G., Chicago, Ill., assignor to Pressed Steel Car Company, Pittsburg, Pa. Door-operating mechanism. No. 904,675; Nov. 24; Sp. p. 4397; Gaz. vol. 137; p. 798.
- Bower, R. F., Dayton, Ohio. Roller-bearing. No. 907,678; Dec. 22; Sp. p. 5061; Gaz. vol. 137; p. 1907.
- Bower, R. L., Blandburg, Pa. Railway-tie. No. 899,023; Sept. 22; Sp. p. 3529; Dr. p. 755; Gaz. vol. 136; p. 667.
- Bowers, B. B., Macon, Ga. Car-door fastening. No. 880,621; Mar. 3; Sp. p. 270; Dr. p. 57; Gaz. vol. 133; p. 48.
- Bowers, C. E. (See Soderlund, G. A., assignor.)
- Bowers, J., Caldwell, N. J. Valve operated by air. No. 877,043; Jan. 21; Sp. p. 2805; Dr. p. 606; Gaz. vol. 132; p. 523.
- Bowers, J. C., assignor of one-half to J. F. Black, Taylor, Tex. Safety-discharge-valve mechanism. No. 885,578; Apr. 21; Sp. p. 3927; Dr. p. 820; Gaz. vol. 133; p. 1871.
- Bowers, J. H., Hartford, Conn. Pulley-line tightener. No. 894,584; July 28; Sp. p. 4599; Dr. p. 954; Gaz. vol. 135; p. 804.
- Bowers, J. M., and W. R. Close, New York, N. Y. Box-spring. No. 888,303; May 19; Sp. p. 3942; Dr. p. 830; Gaz. vol. 134; p. 704.
- Bowers, N. F., Fordyce, Ark. Wrench. No. 897,055; Aug. 25; Sp. p. 4610; Dr. p. 982; Gaz. vol. 135; p. 1710.
- Bowers, S. D., Bridgeport, Conn. Game apparatus. No. 878,334; Feb. 4; Sp. p. 899; Dr. p. 180; Gaz. vol. 132; p. 994.
- Bowers, T. G., assignor to Gilbert Mfg. Co., New Haven, Conn. Corset. No. 899,100; Sept. 22; Sp. p. 3668; Dr. p. 785; Gaz. vol. 136; p. 692.
- Bowers, W. S., Blandon, Pa. Wrench. No. 903,440; Nov. 10; Sp. p. 1794; Gaz. vol. 137; p. 327.
- Bowes, C. F., assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Hose-rack. No. 903,538; Nov. 10; Sp. p. 2011; Gaz. vol. 137; p. 360.
- Bowes, G. S., Monesson, Pa. Valve mechanism. No. 891,979; June 30; Sp. p. 5702; Dr. p. 1227; Gaz. vol. 134; p. 2092.
- Bowes, J. J., Jr., Pensacola, Fla. Gearing. No. 904,931; Nov. 24; Sp. p. 4954; Gaz. vol. 137; p. 883.
- Bowes, L. M., Winthrop, Mass. Loom-picker. No. 907,961; Dec. 29; Sp. p. 5634; Gaz. vol. 137; p. 2028.
- Bowes, T. F., assignor to W. B. Augir, trustee, and J. Lyon, Minneapolis, Minn. Envelop-sealing machine. No. 888,460; May 26; Sp. p. 4270; Dr. p. 904; Gaz. vol. 134; p. 785.
- Bowey, J., Jr., London, Ontario, Canada. Gas-producer. No. 888,780; May 26; Sp. p. 4936; Dr. pp. 1052-3; Gaz. vol. 134; p. 892.
- Bowey, J., Jr., London, Ontario, Canada. Water-purifier. No. 893,603; July 21; Sp. p. 2493; Dr. p. 519; Gaz. vol. 135; p. 459.
- Bowey, J., Jr., London, Ontario, Canada. Suction gas-producer. No. 893,604; July 21; Sp. p. 2496; Dr. pp. 519-20; Gaz. vol. 135; p. 460.
- Bowie, J., Omaha, Nebr. Tire-jacket for vehicle-wheels. No. 902,551; Nov. 3; Sp. p. 28; Gaz. vol. 137; p. 6.
- Bowie, J. C. (See Bowie and Phelps, assignors.)
- Bowie, J. C., and J. H. Phelps, assignors to J. C. Bowie, Cardiff, England. Safety portable manual generator for igniting miners' safety-lamps. No. 908,386; Dec. 29; Sp. p. 6544; Gaz. vol. 137; p. 2174.
- Bowie Manufacturing Company. (See Bowie, W. S., assignor.)
- Bowie, W. S., assignor to Bowie Manufacturing Company, Boston, Mass. Odorless cooking apparatus. No. 903,127; Nov. 3; Sp. p. 1184; Gaz. vol. 137; p. 193.
- Bowker, T. F., assignor, by mesne assignments, to M. E. Johnson, trustee, Fitchburg, Mass. Revolver. No. 898,717; Sept. 15; Sp. p. 2964; Dr. p. 635; Gaz. vol. 136; p. 540.
- Bowlds, J. F., Weber, assignor of one-half to F. B. Pulliam, Patesville, Ky. Horse-legging. No. 903,149; Nov. 3; Sp. p. 1222; Gaz. vol. 137; p. 200.
- Bowler, H. S., assignor of one-half to H. A. and W. F. Steele, Gloversville, N. Y. Brick-molding machine. No. 892,574; July 7; Sp. p. 346; Dr. p. 76; Gaz. vol. 135; p. 64.
- Bowler, N. P., Cleveland, Ohio, assignor to Everstick Patents Company. Overshoe. (Reissue.) No. 12,822; July 7; Sp. p. 1167; Dr. p. 246; Gaz. vol. 135; p. 196.
- Bowling, I. R. (See Lyon and Skaggs, assignors.)
- Bowling, J. A., Emmitsburg, Md. Game apparatus. No. 893,303; July 14; Sp. p. 1845; Dr. p. 386; Gaz. vol. 135; p. 332.

Alphabetical list of patentees—Continued.

- Bowling, J. H., Russellville, Ky. Clothes-pounder. No. 886,675; May 5; Sp. p. 669; Dr. p. 139; Gaz. vol. 134; p. 114.
- Bowlus, H. C., Springfield, Ohio. Counting-register. No. 888,781; May 26; Sp. p. 4940; Dr. p. 1053; Gaz. vol. 134; p. 892.
- Bowman, A. K., Pittsburg, Pa. Pipe. No. 881,845; Mar. 10; Sp. p. 2683; Dr. p. 574; Gaz. vol. 133; p. 477.
- Bowman, A. K., Greensburg, Pa. Garment-hanger. No. 903,166; Nov. 10; Sp. p. 1253; Gaz. vol. 137; p. 238.
- Bowman, C. A. (See Travers, W. E., assignor.)
- Bowman, C. M., Lebanon, Pa. Fire extinguisher and alarm. No. 883,856; Apr. 7; Sp. p. 376; Dr. p. 73; Gaz. vol. 133; p. 1251.
- Bowman, C. M., Lebanon, Pa. Shoe-lace fastening. No. 890,490; June 9; Sp. p. 2593; Dr. p. 575; Gaz. vol. 134; p. 1504.
- Bowman, C. T. (See Davis and Bowman.)
- Bowman, E. C. (See Chreitzberg, H. F., assignor.)
- Bowman, G. A., and C. L. Harney, assignors of one-third to F. B. Ladd, Fort Wayne, Ind. Brake-head. No. 901,872; Oct. 20; Sp. p. 3769; Dr. p. 766; Gaz. vol. 136; p. 1724.
- Bowman, G. W., assignor of four-sixths to G. E. Gray, C. H. Sanders, and N. W. Danforth, Cumberland, Md. Automatic safety gas-valve. No. 907,103; Dec. 15; Sp. p. 3806; Gaz. vol. 137; p. 1677.
- Bowman, H. E., *et al.* (See Squires, A. C., assignor.)
- Bowman, H. H. (See Hallam, W. J., assignor.)
- Bowman, H. L., Chicago, Ill. Lap-desk. No. 905,836; Dec. 8; Sp. p. 1434; Gaz. vol. 137; p. 1248.
- Bowman, H. W., and J. W. Mills, Barbourville, Ky. Oil-can attachment. No. 890,755; June 16; Sp. p. 3187; Dr. p. 696; Gaz. vol. 134; p. 1625.
- Bowman, J. E. (See Bertrand, A., assignor.)
- Bowman, J. W., Chicago, Ill. Sash-lock. No. 881,658; Mar. 10; Sp. p. 2328; Dr. p. 504; Gaz. vol. 133; p. 418.
- Bowman, R. H., Canon City, Colo. Clutch mechanism. No. 876,318; Jan. 14; Sp. p. 1252; Dr. p. 272; Gaz. vol. 132; p. 240.
- Bowman, R. H., Canon City, Colo. Mechanical motor. No. 880,501; Mar. 3; Sp. p. 19; Dr. p. 5; Gaz. vol. 133; p. 6.
- Bowman, R. H., Canon City, Colo. Nut-lock. No. 883,691; Apr. 7; Sp. p. 15; Dr. p. 4; Gaz. vol. 133; p. 1198.
- Bowman, R. H., Canon City, Colo. Ball sprocket chain and wheel. No. 889,195; June 2; Sp. p. 15; Dr. p. 4; Gaz. vol. 134; p. 1059.
- Bowman, R. H., Canon City, Colo. Brake-actuating-lever mechanism. No. 894,936; Aug. 4; Sp. p. 324; Dr. pp. 65-6; Gaz. vol. 135; p. 946.
- Bowman, R. H., Canon City, Colo. Short-turn gear. No. 897,450; Sept. 1; Sp. p. 431; Dr. pp. 92-3; Gaz. vol. 136; p. 67.
- Bowman, R. H., Canon City, Colo. Derrick or hoisting means. No. 897,451; Sept. 1; Sp. p. 434; Dr. p. 93; Gaz. vol. 136; p. 68.
- Bowman, R. H., Canon City, Colo. Propelling mechanism. No. 898,626; Sept. 15; Sp. p. 2792; Dr. pp. 597-8; Gaz. vol. 136; p. 511.
- Bowman, R. H., Canon City, Colo. Combined box-press and box-making apparatus. No. 901,676; Oct. 20; Sp. p. 3360; Dr. pp. 688-9; Gaz. vol. 136; p. 1660.
- Bowman, R. H., Canon, Colo. Hand-motor. No. 906,685; Dec. 15; Sp. p. 3028; Gaz. vol. 137; p. 1546.
- Bowman, W. H., Elmhurst, Ill. Automatically-closing valve for flushing water-closets, &c. No. 901,583; Oct. 20; Sp. p. 3181; Dr. p. 649; Gaz. vol. 136; p. 1631.
- Bowman, W. H., Elmhurst, Ill. Flushing-valve. No. 901,584; Oct. 20; Sp. p. 3184; Dr. p. 649; Gaz. vol. 136; p. 1631.
- Bown, C. E., assignor to Bown Machine Company, Ltd., Battle Creek, Mich. Tool-holder. No. 904,504; Nov. 24; Sp. p. 4058; Gaz. vol. 137; p. 740.
- Bown Machine Company. (See Bown, C. E., assignor.)
- Bowness, W. S., Moncton, New Brunswick, Canada. Automatic hose-uncoupling. No. 884,561; Apr. 14; Sp. p. 1805; Dr. p. 388; Gaz. vol. 133; p. 1511.
- Bowron, C. W., Oshkosh, Wis. Voting-machine. No. 897,056; Aug. 25; Sp. p. 4612; Dr. pp. 982-4; Gaz. vol. 135; p. 1710.
- Bowron, J., Hamilton, Ontario, Canada. Target-trap. No. 884,703; Apr. 14; Sp. p. 2126; Dr. p. 453; Gaz. vol. 133; p. 1558.
- Bowser, A., Fort Wayne, Ind. Distributing system for liquids. No. 889,575; June 2; Sp. p. 764; Dr. p. 175; Gaz. vol. 134; p. 1180.
- Bowser, A. A., assignor to S. F. Bowser & Company, Fort Wayne, Ind. Cap for fill-pipes, &c. No. 875,689; Jan. 7; Sp. p. 23; Dr. p. 4; Gaz. vol. 132; p. 6.
- Bowser, A. A., assignor to S. F. Bowser & Company, Fort Wayne, Ind. Filter. No. 896,353; Aug. 18; Sp. p. 3125; Dr. p. 671; Gaz. vol. 135; p. 1455.
- Bowser, J. F., Oak Ridge, Pa. Stove. No. 906,375; Dec. 8; Sp. p. 2460; Gaz. vol. 137; p. 1422.
- Bowser, W. C., Lock Haven, Pa. Show-case. No. 894,310; July 28; Sp. p. 4057; Dr. pp. 837-8; Gaz. vol. 135; p. 715.
- Bowsher, S. (See Dieter, Bowsher, and Davis.)
- Bowsky, M., *et al.* (See McKee, W., assignor.)
- Boxmeyer, B. W. (See Gray, C. A., assignor.)
- Boyajeau, J. A., and E. S. Craddock, New York, N. Y.; said Craddock assignor to said Boyajeau. Instrument for applying liquid. No. 886,932; May 5; Sp. p. 1187; Dr. p. 250; Gaz. vol. 134; p. 197.
- Boyce Automatic Etching Company. (See Axt, J. N., assignor.)
- Boyce, H. H., Oyster Bay, N. Y. Wheel for motor-vehicles. No. 892,395; July 7; Sp. p. 15; Dr. p. 5; Gaz. vol. 135; p. 5.
- Boyce, J. A., Springfield, Ill. Apparatus for printing and folding newspapers. No. 900,259; Oct. 6; Sp. p. 380; Dr. pp. 79-81; Gaz. vol. 136; p. 1134.
- Boyce, J. A., Springfield, Ill. Apparatus for printing and folding papers. No. 900,654; Oct. 6; Sp. p. 1248; Dr. pp. 255-6; Gaz. vol. 136; p. 1265.
- Boyd, A. H., Leadville, Colo. Automatic quick-closing valve. No. 900,260; Oct. 6; Sp. p. 403; Dr. pp. 81-2; Gaz. vol. 136; p. 1135.
- Boyd, B., Uniontown, Pa. Lorry. No. 880,777; Mar. 3; Sp. p. 582; Dr. p. 124; Gaz. vol. 133; p. 100.
- Boyd, D. C., Galion, Ohio. Culvert. No. 881,770; Mar. 10; Sp. p. 2531; Dr. p. 545; Gaz. vol. 133; p. 452.
- Boyd, D. C., Galion, Ohio. Culvert. No. 896,354; Aug. 18; Sp. p. 3125; Dr. p. 672; Gaz. vol. 135; p. 1455.
- Boyd, D. C., Galion, Ohio. Culvert. No. 898,088; Sept. 8; Sp. p. 1749; Dr. p. 372; Gaz. vol. 136; p. 307.
- Boyd, D. R. L., Sumrall, Miss. Railway cross-tie. No. 876,140; Jan. 7; Sp. p. 891; Dr. p. 192; Gaz. vol. 132; p. 151.
- Boyd, F. R. C. (See Rice and Boyd.)
- Boyd, F. R. C., Lynn, Mass., assignor to General Electric Company. Shrouding for turbine-buckets. No. 903,167; Nov. 10; Sp. p. 1255; Gaz. vol. 137; p. 238.
- Boyd, G. W., assignor to M. F. Boyd, Nashville, Tenn. Lock-nut. No. 884,260; Apr. 7; Sp. p. 1214; Dr. p. 255; Gaz. vol. 133; p. 1385.
- Boyd, H. G., and W. R. McKay, London, England. Generating power-gas. No. 886,577; May 5; Sp. p. 460; Dr. p. 98; Gaz. vol. 134; p. 84.
- Boyd, I., Eminence, Ky. Filter. No. 882,448; Mar. 17; Sp. p. 3884; Dr. p. 830; Gaz. vol. 133; p. 702.
- Boyd, J. H., Denver, Colo. Smelting. No. 894,111; July 21; Sp. p. 3610; Dr. p. 744; Gaz. vol. 135; p. 629.
- Boyd, J. M., Fond du Lac, Wis. Sling-pulley. No. 888,866; May 26; Sp. p. 5121; Dr. p. 1092; Gaz. vol. 134; p. 919.
- Boyd, M., Irvine, Scotland. Marine signaling device. No. 901,677; Oct. 20; Sp. p. 3363; Dr. pp. 689-90; Gaz. vol. 136; p. 1661.
- Boyd, M. F. (See Boyd, G. W., assignor.)
- Boyd, P. C. (See Rean and Boyd.)
- Boyd, R. A., Albany, N. Y. Ladder. No. 908,387; Dec. 29; Sp. p. 6547; Gaz. vol. 137; p. 2174.
- Boyd, S. S., Laurens, S. C. Rat-trap. No. 895,416; Aug. 11; Sp. p. 1289; Dr. p. 270; Gaz. vol. 135; p. 1131.
- Boyd, T., Cleveland, Ohio. Baking-pan. No. 882,094; Mar. 17; Sp. p. 3233; Dr. p. 687; Gaz. vol. 133; p. 588.
- Boyd, T., Cleveland, Ohio. Package-tie. No. 882,863; Mar. 24; Sp. p. 4729; Dr. p. 1005; Gaz. vol. 133; p. 863.
- Boyd, T. S. (See Beckwith, M., assignor.)
- Boyd, W., Sabina, Ohio. Connection for inflating tires. No. 902,644; Nov. 3; Sp. p. 223; Gaz. vol. 137; p. 38.
- Boyd, W. J., Regina, Saskatchewan, Canada. Buckle. No. 890,958; June 16; Sp. p. 3613; Dr. p. 786; Gaz. vol. 134; p. 1691.
- Boyd, W. L., Lincoln, Nebr. Insect-exterminator. No. 881,370; Mar. 10; Sp. p. 1766; Dr. p. 381; Gaz. vol. 133; p. 324.
- Boyd, W. T., Ellenton, Fla. Receiver. No. 885,223; Apr. 21; Sp. p. 3215; Dr. p. 671; Gaz. vol. 133; p. 1759.
- Boydellatour, G., Canton, Ohio. Drawer-carrier. No. 884,457; Apr. 14; Sp. p. 1592; Dr. p. 343; Gaz. vol. 133; p. 1477.
- Boyden, G. A. (See Brown, Hamrahan, and Boyden.)
- Boye, J. H., assignor to Boye Needle Company, Chicago, Ill. Commodity-cabinet. No. 877,290; Jan. 21; Sp. p. 3304; Dr. p. 715; Gaz. vol. 132; p. 605.
- Boye, J. H., assignor to Boye Needle Company, Chicago, Ill. Needle-threader. No. 878,767; Feb. 11; Sp. p. 1852; Dr. p. 382; Gaz. vol. 132; p. 1170.
- Boye, J. H., assignor to Boye Needle Company, Chicago, Ill. Needle-threader. No. 905,641; Dec. 1; Sp. p. 1058; Gaz. vol. 137; p. 1153.
- Boye Needle Company. (See Boye, J. H., assignor.)
- Boyer, A. P. (See Myers, H. A., assignor.)
- Boyer, A. P., Goshen, Ind. Swing. No. 876,934; Jan. 21; Sp. p. 2559; Dr. pp. 558-9; Gaz. vol. 132; p. 484.
- Boyer, A. P., Goshen, Ind. Carrier. No. 876,935; Jan. 21; Sp. p. 2561; Dr. p. 559; Gaz. vol. 132; p. 484.
- Boyer, A. P., Goshen, Ind. Hoisting apparatus. No. 878,335; Feb. 4; Sp. p. 900; Dr. p. 180; Gaz. vol. 132; p. 994.
- Boyer, A. P., Goshen, Ind. Swing. No. 889,576; June 2; Sp. p. 766; Dr. pp. 175-6; Gaz. vol. 134; p. 1180.
- Boyer, C. O., *et al.* (See Weisbrod, J., assignor.)
- Boyer, E. B. (See Shaw and Boyer.)

Alphabetical list of patentees—Continued.

- Boyer, F. W., New York, N. Y. Chart-holder. No. 876,141; Jan. 7; Sp. p. 892; Dr. p. 192; Gaz. vol. 132; p. 151.
- Boyer, I. H., Muncie, Ind. Boiler-furnace. No. 888,062; May 19; Sp. p. 3487; Dr. pp. 730-1; Gaz. vol. 134; p. 636.
- Boyer, J., St. Louis, Mo., assignor to Chicago Pneumatic Tool Company. Pneumatic hammer. No. 897,958; Sept. 8; Sp. p. 1489; Dr. p. 317; Gaz. vol. 136; p. 265.
- Boyer, J. L., Elvaston, Ill. Shovel attachment for disk cultivators. No. 895,417; Aug. 11; Sp. p. 1291; Dr. p. 270; Gaz. vol. 135; p. 1131.
- Boyer, O., Spencerville, Ohio. Self-regulating separator. No. 895,153; Aug. 4; Sp. p. 744; Dr. pp. 155-6; Gaz. vol. 135; p. 1019.
- Boyer, W., assignor of one-half to C. H. Cornell, Valentine, Nebr. Railway cross-tie. No. 895,949; Aug. 11; Sp. p. 2345; Dr. p. 500; Gaz. vol. 135; p. 1303.
- Boyer, W. L., Kansas City, Kans. Explosive-engine. No. 877,483; Jan. 28; Sp. p. 3677; Dr. p. 798; Gaz. vol. 132; p. 687.
- Boyes, E. G., Ralston, Iowa. Combined wire-stretcher and wagon-jack. No. 905,052; Nov. 24; Sp. p. 5179; Gaz. vol. 137; p. 924.
- Boylan, A. B., *et al.* (See Thomas, L., assignor.)
- Boylan, A. B. and C. F., and C. L. Bennett, Victor, Colo. Packing-case. No. 899,097; Sept. 22; Sp. p. 3662; Dr. p. 784; Gaz. vol. 136; p. 691.
- Boylan, C. F. (See Boylan and Bennett.)
- Boylan, O. M., McKeesport, Pa. Metallic tie and rail-fastener. No. 891,664; June 23; Sp. p. 5054; Dr. p. 1090; Gaz. vol. 134; p. 1955.
- Boylan, S. H., Denver, Colo. Head-motion for concentrating-tables. No. 901,585; Oct. 20; Sp. p. 3186; Dr. pp. 649-50; Gaz. vol. 136; p. 1632.
- Boyle, J., assignor of one-half to D. T. Wilson, New York, N. Y. Rack. No. 886,933; May 5; Sp. p. 1188; Dr. p. 250; Gaz. vol. 134; p. 197.
- Boyle, J. C., Calgary, Alberta, Canada. Portable coasting device. No. 880,964; Mar. 3; Sp. p. 962; Dr. p. 208; Gaz. vol. 133; p. 162.
- Boyle, J. C., Calgary, Alberta, Canada. Safety-razor. No. 892,216; June 30; Sp. p. 6146; Dr. p. 1324; Gaz. vol. 134; p. 2168.
- Boyle, J. E., Lancaster, Pa. Mail-bag catching and delivering apparatus. No. 904,676; Nov. 24; Sp. p. 4399; Gaz. vol. 137; p. 798.
- Boyle, J. H. B. (See Loos, G. J., assignor.)
- Boyle, J. M., assignor to Sanderson & Porter, New York, N. Y. Identifying articles and such identified article. No. 883,778; Apr. 7; Sp. p. 189; Dr. p. 35; Gaz. vol. 133; p. 1224.
- Boyle, J. M., New York, N. Y., assignor to Monolithic Duct Company. Reinforced monolithic conduit. No. 897,190; Aug. 25; Sp. p. 4856; Dr. p. 1033; Gaz. vol. 135; p. 1751.
- Boyle, J. M., New York, N. Y., assignor to Monolithic Duct Company. Means for rendering conduits impervious. No. 907,724; Dec. 29; Sp. p. 5144; Gaz. vol. 137; p. 1951.
- Boyle, J. M., and F. W. Roller, New York, N. Y. Regulator for tangential water-wheels. No. 907,725; Dec. 29; Sp. p. 5146; Gaz. vol. 137; p. 1951.
- Boyle, T. V., Cleveland, Ohio. Nut-lock. No. 898,432; Sept. 15; Sp. p. 2410; Dr. p. 516; Gaz. vol. 136; p. 449.
- Boyley, E. J., assignor of two-thirds to C. J. Aggett and A. Stalker, Peterborough, Ontario, Canada. Carbureter for explosive-engines. No. 880,502; Mar. 3; Sp. p. 23; Dr. p. 6; Gaz. vol. 133; p. 7.
- Boyley, E. J., assignor of two-thirds to C. J. Aggett and A. Stalker, Peterborough, Ontario, Canada. Explosive-engine. No. 880,503; Mar. 3; Sp. p. 25; Dr. p. 6; Gaz. vol. 133; p. 7.
- Boyston Manufacturing Company. (See Ballard, H. A., assignor.)
- Boynton, F. C., Minneapolis, Minn. Mill-stock mixer and distributor. No. 882,924; Mar. 24; Sp. p. 4845; Dr. p. 1028; Gaz. vol. 133; p. 891.
- Boynton, F. C., Minneapolis, Minn. Mill-stock mixer and distributor. No. 882,925; Mar. 24; Sp. p. 4846; Dr. p. 1029; Gaz. vol. 133; p. 892.
- Boynton, F. C., Minneapolis, Minn. Mill-stock mixer and distributor. No. 882,926; Mar. 24; Sp. p. 4848; Dr. p. 1029; Gaz. vol. 133; p. 892.
- Boynton, W. J., Seattle, Wash. Saw-set. No. 888,579; May 26; Sp. p. 4514; Dr. p. 956; Gaz. vol. 134; p. 827.
- Boyse, C. W., assignor of one-half to D. B. Carmichael, Chicago, Ill. Gas-lamp. No. 898,312; Sept. 8; Sp. p. 2171; Dr. p. 461; Gaz. vol. 136; p. 375.
- Boyse, C. W., assignor of one-half to D. B. Carmichael, Chicago, Ill. Gas-lamp. No. 898,627; Sept. 15; Sp. p. 2798; Dr. p. 598; Gaz. vol. 136; p. 511.
- Boyte, G. R., assignor of one-half to H. L. Bachner, Chicago, Ill. Lock for printers' galleys. No. 891,397; June 23; Sp. p. 4494; Dr. p. 978; Gaz. vol. 134; p. 1868.
- Bozard, H. B., Lincoln, Nebr. Grain-distributor. No. 899,711; Sept. 29; Sp. p. 4879; Dr. p. 1047; Gaz. vol. 136; p. 924.
- Braaten, H. (See Haugland and Braaten.)
- Brabrook, G. H., Taunton, Mass. Ring-spinning machine. No. 897,578; Sept. 1; Sp. p. 695; Dr. p. 146; Gaz. vol. 136; p. 109.
- Brace, L. H., Evanston, assignor of one-half to W. H. Fahrney, Chicago, Ill. Driven mold for sunken concrete structures. No. 903,441; Nov. 10; Sp. p. 1795; Gaz. vol. 137; p. 327.
- Bracht, J. von, assignor of one-half to H. Rosenheim, Savannah, Ga. Insole. No. 895,950; Aug. 11; Sp. p. 2347; Dr. p. 500; Gaz. vol. 135; p. 1303.
- Bracken, H. W., assignor to Draper Company, Hopedale, Mass. Core-molding apparatus. No. 900,054; Sept. 29; Sp. p. 5643; Dr. p. 1205; Gaz. vol. 136; p. 1038.
- Bracken, H. W., assignor to Draper Company, Hopedale, Mass. Cut-measuring and stopping means for looms. No. 907,962; Dec. 29; Sp. p. 5638; Gaz. vol. 137; p. 2029.
- Brackett, E. W., assignor to Dean Electric Company, Elyria, Ohio. Electromechanical switchboard-signal. No. 878,112; Feb. 4; Sp. p. 439; Dr. p. 93; Gaz. vol. 132; p. 920.
- Brackney, J. W., Fullerton, Cal. Casing-tongs. No. 879,809; Feb. 18; Sp. p. 3926; Dr. p. 823; Gaz. vol. 132; p. 1548.
- Braconier, O. E., assignor of one-half to T. Chick, Rockford, Ill. Can-opener. No. 906,376; Dec. 8; Sp. p. 2461; Gaz. vol. 137; p. 1423.
- Bracy, E. L., Scotland Neck, assignor to R. H. Wright, Durham, N. C. Machine for introducing packets into paper or other like cups or cases. No. 890,402; June 9; Sp. p. 2434; Dr. pp. 538-9; Gaz. vol. 134; p. 1476.
- Bracy, E. L., and W. C. Welborn, Manila, Philippine Islands. Manila-hemp-fiber-stripping machine. No. 890,491; June 9; Sp. p. 2594; Dr. pp. 575-6; Gaz. vol. 134; p. 1504.
- Bradburn, E. C. (See Low, Bradburn, and Tyler.)
- Bradburn, F. C., assignor to Daylight Photo Specialty Company, Rochester, N. Y. Photographic apparatus. No. 901,308; Oct. 13; Sp. p. 2554; Dr. p. 526; Gaz. vol. 136; p. 1501.
- Bradburn, F. C., J. H. Tyler, and J. B. Low, Rochester, N. Y. Photographic appliance. No. 894,937; Aug. 4; Sp. p. 326; Dr. p. 66; Gaz. vol. 135; p. 946.
- Bradburn, F. C., J. H. Tyler, and J. B. Low, assignors to Daylight Photo Specialty Company, Rochester, N. Y. Photographic apparatus. No. 901,309; Oct. 13; Sp. p. 2556; Dr. p. 526; Gaz. vol. 136; p. 1502.
- Bradbury, C. C., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Party-line-indicating key. No. 899,024; Sept. 22; Sp. p. 3530; Dr. p. 755; Gaz. vol. 136; p. 667.
- Bradbury, C. C., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Party-line-indicating key. No. 899,379; Sept. 22; Sp. p. 4213; Dr. p. 902; Gaz. vol. 136; p. 782.
- Bradbury, H. P., assignor of one-half to L. H. Pursell, Springfield, Ohio. Smoke-consumer. No. 885,579; Apr. 21; Sp. p. 3929; Dr. p. 820; Gaz. vol. 133; p. 1871.
- Bradbury, J. F., Detroit, Mich. Floor-scraper. No. 904,303; Nov. 17; Sp. p. 3638; Gaz. vol. 137; p. 648.
- Bradbury, T. K., Enderby, British Columbia, Canada. Carpet-stretcher. No. 883,689; May 26; Sp. p. 4752; Dr. pp. 1010-11; Gaz. vol. 134; p. 863.
- Braddock, S. E., assignor of one-half to A. D. Paul, Brooklyn, N. Y. Cork-extractor. No. 899,380; Sept. 22; Sp. p. 4216; Dr. p. 902; Gaz. vol. 136; p. 782.
- Braden, H., and E. N. Agnew, Los Angeles, Cal., assignors of two-thirds to said Braden and one-third to said Agnew. Pump. No. 906,190; Dec. 8; Sp. p. 2114; Gaz. vol. 137; p. 1362.
- Braden, S. M. (See Perlet, E. M., assignor.)
- Braden, W. A., Chicago, Ill. Track construction. No. 893,134; July 14; Sp. p. 1514; Dr. p. 319; Gaz. vol. 135; p. 278.
- Bradfield, C. M., Grand Rapids, Mich. Trolley-wheel. No. 907,726; Dec. 29; Sp. p. 5150; Gaz. vol. 137; p. 1952.
- Bradford, C., Indianapolis, Ind. Swinging conveyor. No. 881,295; Mar. 10; Sp. p. 1612; Dr. p. 345; Gaz. vol. 133; p. 301.
- Bradford, C., and G. L. Chatfield, Indianapolis, Ind.; said Chatfield assignor to said Bradford. Grain elevator and weigher. No. 875,771; Jan. 7; Sp. p. 182; Dr. pp. 39-40; Gaz. vol. 132; p. 34.
- Bradford, C., and G. L. Chatfield, Indianapolis, Ind.; said Chatfield assignor to said Bradford. Elevator. No. 876,432; Jan. 14; Sp. p. 1502; Dr. p. 323; Gaz. vol. 132; p. 277.
- Bradford, D. A., Chattanooga, Tenn. Vermin-exterminating feed-box. No. 886,934; May 5; Sp. p. 1190; Dr. p. 251; Gaz. vol. 134; p. 108.
- Bradford, D. W., Richmond, Va. Hoisting mechanism. No. 905,982; Dec. 8; Sp. p. 1718; Gaz. vol. 137; p. 1294.
- Bradford, F. A. (See Stimpson and Bradford.)

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- Bradford, M., Nocona, Tex. Wind-wheel. No. 891,458; June 23; Sp. p. 4603; Dr. pp. 1000-1; Gaz. vol. 134; p. 1887.
- Bradford, W., Westerville, N. Y. Tramway system. No. 904,245; Nov. 17; Sp. p. 3506; Gaz. vol. 137; p. 627.
- Bradford, W. E., San Jose, Cal. Horse-collar sweat-pad. No. 887,581; May 12; Sp. p. 2542; Dr. p. 536; Gaz. vol. 134; p. 438.
- Bradlev, A. G., Edwardsville, Ill. Sewing-machine needle. No. 899,381; Sept. 22; Sp. p. 4217; Dr. p. 902; Gaz. vol. 136; p. 782.
- Bradley, A. S., Arkansas City, Kans. Sash balance and lock. No. 894,182; July 28; Sp. p. 3776; Dr. p. 782; Gaz. vol. 135; p. 671.
- Bradley, C. C., Syracuse, N. Y. Thill-coupling. No. 876,620; Jan. 14; Sp. p. 1930; Dr. p. 421; Gaz. vol. 132; p. 344.
- Bradley, C. C., Syracuse, N. Y. Thill-coupling. No. 886,578; May 5; Sp. p. 461; Dr. p. 99; Gaz. vol. 134; p. 85.
- Bradley, C. C., Syracuse, N. Y. Thill-coupling. No. 891,035; June 16; Sp. p. 3753; Dr. p. 819; Gaz. vol. 134; p. 1718.
- Bradley, C. C., Sr. (See Strodel, F. A., assignor.)
- Bradley, E., Washington, D. C. Preparing charred whisky-barrels for reuse. No. 887,375; May 12; Sp. p. 2139; Gaz. vol. 134; p. 370.
- Bradley, E. E., assignor to Atwood Morrison Company. Quill or cop winding machine. No. 897,191; Aug. 25; Sp. p. 4857; Dr. p. 1033; Gaz. vol. 135; p. 1751.
- Bradley, H., Caney, Kans. Transom regulating and securing mechanism. No. 884,261; Apr. 7; Sp. p. 1215; Dr. p. 255; Gaz. vol. 133; p. 1385.
- Bradley, H., New York, N. Y. Bottle and jar closure. No. 895,719; Aug. 11; Sp. p. 1885; Dr. p. 399; Gaz. vol. 135; p. 1230.
- Bradley, H. E., Greenwood, assignor of one-half to M. C. Happoldt, Providence, R. I. Electrical fuse-plug. No. 904,832; Nov. 24; Sp. p. 4744; Gaz. vol. 137; p. 851.
- Bradley, H. M., Fort Worth, Tex. Tire-protector. No. 881,768; Mar. 10; Sp. p. 2528; Dr. p. 544; Gaz. vol. 133; p. 451.
- Bradley, H. W., Ashton-under-Lyne, England. Controlling means for gas-engines. No. 877,044; Jan. 21; Sp. p. 2807; Dr. pp. 606-7; Gaz. vol. 132; p. 524.
- Bradley & Hubbard Mfg. Co. (See Crooke, R. F., assignor.)
- Bradley, J., *et al.* (See Wolfe, S. S., assignor.)
- Bradley, J. H. Kenyon, Minn. Carrier-stop. No. 875,888; Jan. 7; Sp. p. 394; Dr. p. 86; Gaz. vol. 132; p. 73.
- Bradley, J. J., assignor, by mesne assignments, to L. von Gessner, Brooklyn, N. Y. Protected iron. No. 900,655; Oct. 6; Sp. p. 1254; Dr. p. 256; Gaz. vol. 136; p. 1265.
- Bradley, J. J., assignor, by mesne assignments, to L. von Gessner, Brooklyn, N. Y. Protecting iron. No. 900,656; Oct. 6; Sp. p. 1256; Dr. pp. 256-7; Gaz. vol. 136; p. 1265.
- Bradley, S. T. H., Lake Charles, La. Brick-molding machine. No. 903,663; Nov. 10; Sp. p. 2264; Gaz. vol. 137; p. 399.
- Bradley, W. E. F., trustee. (See Lovejoy, D. R., assignor.)
- Bradley, W. H., Bellevue, Pa. Apparatus for feeding furnaces. No. 893,432; July 14; Sp. p. 2110; Dr. pp. 442-3; Gaz. vol. 135; p. 375.
- Bradshaw, A. T., Philadelphia, Pa. Cooking apparatus. No. 875,889; Jan. 7; Sp. p. 395; Dr. p. 86; Gaz. vol. 132; p. 73.
- Bradshaw, G. R. (See Davis, D. G., assignor.)
- Bradshaw, R. A., Winters, Tex. Spike-puller. No. 882,449; Mar. 17; Sp. p. 3886; Dr. pp. 830-1; Gaz. vol. 133; p. 703.
- Bradshaw, R. H. (See Erickson and Bradshaw.)
- Bradshaw, R. Y., Chicago, Ill. Automatic weighing-machine. No. 877,168; Jan. 21; Sp. p. 3062; Dr. pp. 663-4; Gaz. vol. 132; p. 565.
- Bradshaw, R. Y., Chicago, Ill. Machine for closing and sealing the ends of paper boxes. No. 902,273; Oct. 27; Sp. p. 4599; Dr. pp. 934-6; Gaz. vol. 136; p. 1883.
- Bradshaw, W. A., assignor of one-half to M. A. Bland, Charlotte, N. C. Fire-extinguisher. No. 881,893; Mar. 17; Sp. p. 2820; Dr. p. 603; Gaz. vol. 133; p. 522.
- Bradstock, D. G., Frank, Pa. Adjustable bracket. No. 900,475; Oct. 6; Sp. p. 834; Dr. p. 176; Gaz. vol. 136; p. 1206.
- Bradt, E. F., Schenectady, N. Y. Picture-supporter. No. 886,935; May 5; Sp. p. 1191; Dr. p. 251; Gaz. vol. 134; p. 198.
- Bradway, R. E., Straughn, Ind. Starting-clutch for explosive-engines. No. 876,936; Jan. 21; Sp. p. 2564; Dr. p. 559; Gaz. vol. 132; p. 485.
- Bradway, S. S., Watertown, N. Y. Card-index system. No. 876,319; Jan. 14; Sp. p. 1254; Dr. p. 273; Gaz. vol. 132; p. 241.
- Bradwell, H. A., New York, N. Y. Amusement device. No. 895,951; Aug. 11; Sp. p. 2348; Dr. p. 501; Gaz. vol. 135; p. 1304.
- Brady, A. J., Philadelphia, Pa. Brush. No. 895,952; Aug. 11; Sp. p. 2351; Dr. p. 501; Gaz. vol. 135; p. 1304.
- Brady, F. W., Englewood, N. J. Vaporizing device for internal-combustion engines. No. 878,932; Feb. 11; Sp. p. 2162; Dr. p. 451; Gaz. vol. 132; p. 1222.
- Brady, F. W., Englewood, N. J. Fuel-feeding mechanism for internal-combustion engines. No. 878,933; Feb. 11; Sp. p. 2164; Dr. p. 452; Gaz. vol. 132; p. 1223.
- Brady, F. W., Englewood, N. J. Fuel-feeding mechanism for internal-combustion engines. No. 878,934; Feb. 11; Sp. p. 2168; Dr. p. 453; Gaz. vol. 132; p. 1223.
- Brady, F. W., Englewood, N. J. Fuel-feed system for internal-combustion engines. No. 891,903; June 30; Sp. p. 5537; Dr. pp. 1194-5; Gaz. vol. 134; p. 2067.
- Brady, J. H., Kansas City, Mo. Car-signal. No. 901,586; Oct. 20; Sp. p. 3188; Dr. p. 650; Gaz. vol. 136; p. 1633.
- Brady, J. H., Kansas City, Mo. Automatic closet-cistern. No. 901,587; Oct. 20; Sp. p. 3190; Dr. p. 650; Gaz. vol. 136; p. 1633.
- Brady, J. W., assignor of one-half to E. N. Walker, Neodesha, Kans. Track-sanding device. No. 877,828; Jan. 28; Sp. p. 4359; Dr. p. 947; Gaz. vol. 132; p. 798.
- Brady, V., McKeesport, Pa. Curtain-pole. No. 899,288; Sept. 22; Sp. p. 4055; Dr. p. 867; Gaz. vol. 136; p. 753.
- Braemer, W. G. R., Buffalo, N. Y., assignor to Warren Webster & Company. Air-purifying apparatus. No. 885,137; Apr. 21; Sp. p. 3018; Dr. pp. 636-7; Gaz. vol. 133; p. 1730.
- Braemer, W. G. R., Buffalo, N. Y., assignor to Warren Webster & Company. Apparatus for purifying and humidifying air. No. 899,289; Sept. 22; Sp. p. 4056; Dr. p. 867; Gaz. vol. 136; p. 753.
- Braemer, W. G. R., Buffalo, N. Y., assignor to Warren Webster & Company. Purifying and humidifying air. No. 903,150; Nov. 3; Sp. p. 1223; Gaz. vol. 137; p. 201.
- Braemer, W. G. R., Buffalo, N. Y., assignor to Warren Webster & Company. Humidifying air. No. 905,143; Dec. 1; Sp. p. 30; Gaz. vol. 137; p. 989.
- Braemer, W. G. R., Buffalo, N. Y., assignor to Warren Webster & Company. Air-purifier. No. 908,388; Dec. 29; Sp. p. 6548; Gaz. vol. 137; p. 2175.
- Braen, J. (See Braen, P. and J.)
- Braen, P. and J., North Paterson, N. J., assignors of three-fourths to C. D. Bunnell, Brooklyn, N. Y. Amusement apparatus. No. 897,710; Sept. 1; Sp. p. 949; Dr. p. 203; Gaz. vol. 136; p. 152.
- Bragdon, H. J., assignor to G. Heinlein, Chicago, Ill. Wire shaping and forming machine. No. 884,633; Apr. 14; Sp. p. 1949; Dr. p. 419; Gaz. vol. 133; p. 1534.
- Bragdon, J. L., Chicago, Ill. Curtain-stretcher. No. 884,999; Apr. 14; Sp. p. 2709; Dr. p. 574; Gaz. vol. 133; p. 1651.
- Brage, C. O., St. Joseph, Mo. Spring construction. No. 898,429; Sept. 15; Sp. p. 2406; Dr. p. 515; Gaz. vol. 136; p. 448.
- Bragg, A., Brooklyn, N. Y. Pleasure-railway. No. 893,135; July 14; Sp. p. 1516; Dr. pp. 319-20; Gaz. vol. 135; p. 278.
- Bragg, A., New York, N. Y. Amusement device. No. 905,282; Dec. 1; Sp. p. 309; Gaz. vol. 137; p. 1036.
- Bragg, B. H., Whitman, Mass. Continuous photographic-printing apparatus. No. 883,617; Mar. 31; Sp. p. 6256; Dr. p. 1334; Gaz. vol. 133; p. 1146.
- Bragg, F. A., assignor of one-half to D. J. Brown, Springfield, Mass. Tire construction. No. 884,562; Apr. 14; Sp. p. 1809; Dr. p. 388; Gaz. vol. 133; p. 1511.
- Bragg, G. J., Philadelphia, Pa. Centrifugalliquid-separator. No. 901,149; Oct. 13; Sp. p. 2246; Dr. p. 456; Gaz. vol. 136; p. 1452.
- Bragg, H. T., Yonkers, N. Y. Hose. No. 884,634; Apr. 14; Sp. p. 1955; Dr. p. 420; Gaz. vol. 133; p. 1534.
- Bragunier, D. R., and A. B. Thompson, Columbia, Ala. Automatic electric cotton-chopper. No. 886,179; Apr. 28; Sp. p. 5155; Dr. p. 1085; Gaz. vol. 133; p. 2097.
- Braim, C., Parsons, Kans. Telegraphic transmitter. No. 879,357; Feb. 18; Sp. p. 2983; Dr. pp. 624-6; Gaz. vol. 132; p. 1401.
- Braimard, J. W., Pittsburg, Pa. Metallic hoop. No. 889,100; May 26; Sp. p. 5596; Dr. p. 1185; Gaz. vol. 134; p. 995.
- Braime, B. G., Brooklyn, assignor to Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 895,839; Aug. 11; Sp. p. 2136; Dr. p. 453; Gaz. vol. 135; p. 1268.
- Braime, B. G., assignor to Rail Joint Company, New York, N. Y. Electrically-conductive railway-rail joint or connection. No. 898,430; Sept. 15; Sp. p. 2407; Dr. p. 515; Gaz. vol. 136; p. 448.
- Braime, L. F., assignor to Rail Joint Company, New York, N. Y. Rail-clip. No. 907,563; Dec. 22; Sp. p. 4749; Gaz. vol. 137; p. 1868.
- Braimard, C. F., Athens, Pa. Revolving type-cabinet. No. 889,896; June 9; Sp. p. 1392; Dr. pp. 315-16; Gaz. vol. 134; p. 1309.
- Braisted, E. E., Davenport, Iowa. Tying device. No. 903,051; Nov. 3; Sp. p. 1046; Gaz. vol. 137; p. 171.
- Braly, J. M., Villapark, N. J. Roller. No. 898,827; Sept. 15; Sp. p. 3167; Dr. p. 677; Gaz. vol. 136; p. 575.
- Bramall, J. A. (See Bramall, W. A. and J. A.)
- Bramall, W. A. and J. A., Moore, Pa. Loom-picker. No. 875,772; Jan. 7; Sp. p. 189; Dr. p. 40; Gaz. vol. 132; p. 35.
- Brameld, W., assignor of one-tenth to J. T. Jordan, Paterson, N. J. Elastic vehicle-tire. No. 898,402; Sept. 8; Sp. p. 2331; Dr. p. 495; Gaz. vol. 136; p. 406.
- Bramley-Moore, S., Bloomsbury, England. Liquid-meter. No. 879,141; Feb. 18; Sp. p. 2576; Dr. pp. 536-7; Gaz. vol. 132; p. 1329.
- Bramley-Moore, S., London, England. Friction-clutch. No. 888,823; May 26; Sp. p. 4387; Dr. pp. 929-30; Gaz. vol. 134; p. 805.

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- Bramley-Moore, S., London, England. Mechanism for operating variable ratio-gearing. No. 889,897; June 9; Sp. p. 1394; Dr. p. 316; Gaz. vol. 134; p. 1309.
- Brammer, H., St. Louis, Mo. Gearing for washing-machines. No. 882,619; Mar. 24; Sp. p. 4235; Dr. p. 897; Gaz. vol. 133; p. 792.
- Brammer, H., St. Louis, Mo. Mechanical movement. No. 886,758; May 5; Sp. p. 870; Dr. p. 180; Gaz. vol. 134; p. 144.
- Branaman, T. G., Hutchinson, assignor of one-half to R. W. Crippen, Arlington, Kans. Threshing-machine. No. 896,080; Aug. 18; Sp. p. 2603; Dr. p. 564; Gaz. vol. 135; p. 1369.
- Brannan, M. (See Fry, R. C., assignor.)
- Brand, B., Braila, Roumania. Collar-button. No. 891,229; June 23; Sp. p. 4143; Dr. p. 907; Gaz. vol. 134; p. 1812.
- Brand, G. B., assignor to Monarch Typewriter Company, Syracuse, N. Y. Ribbon-spool for type-writing machines. No. 902,552; Nov. 3; Sp. p. 29; Gaz. vol. 137; p. 6.
- Brand, G. P., New York, N. Y. Means for controlling the expression of automatic music-players. No. 887,376; May 12; Sp. p. 2140; Dr. pp. 448-9; Gaz. vol. 134; p. 370.
- Brand, G. P., New York, N. Y. Variable-tension expression-bellows for pneumatic apparatus. No. 896,686; Aug. 18; Sp. p. 3785; Dr. p. 818; Gaz. vol. 135; p. 1561.
- Brand, G. P., San Francisco, Cal. Pneumatic mechanical musical instrument. No. 895,235; Aug. 4; Sp. p. 920; Dr. pp. 195-6; Gaz. vol. 135; p. 1048.
- Brand, S. H., Chicago, Ill. Circular riddle. No. 903,168; Nov. 10; Sp. p. 1256; Gaz. vol. 137; p. 238.
- Brandenburg, R. J., assignor of one-half to J. A. White, Oxford, Ohio. Holder for hones. No. 882,137; Mar. 17; Sp. p. 3300; Dr. p. 704; Gaz. vol. 133; p. 601.
- Brandes, A., assignor of one-half to Firm of C. Neff, Hanover, Germany. Softening water. No. 904,114; Nov. 17; Sp. p. 3196; Gaz. vol. 137; p. 581.
- Brandon, W., Hillsboro, assignor of one-half to J. Miller, Greenwood, Wis. Nut and pipe wrench. No. 879,810; Feb. 18; Sp. p. 3928; Dr. p. 823; Gaz. vol. 132; p. 1548.
- Brandstaedter, W., Hanover, Pa. Bundling-ribbon for cigars. No. 888,143; May 19; Sp. p. 3645; Dr. p. 764; Gaz. vol. 134; p. 651.
- Brandt, C. M., Paterson, N. J. Box or crate for bottles, jars, and the like. No. 892,126; June 30; Sp. p. 5969; Dr. p. 1283; Gaz. vol. 134; p. 2138.
- Brandt, E. J., Watertown, Wis. Calculating-machine. No. 889,353; June 2; Sp. p. 310; Dr. pp. 73-4; Gaz. vol. 134; p. 1108.
- Brandt, F., Bremen, Germany. Ventilating device for railway-cars. No. 893,433; July 14; Sp. p. 2112; Dr. p. 443; Gaz. vol. 135; p. 375.
- Brandt, H. O., Manchester, England. Weft-case for automatic weft-replenishing looms. No. 875,890; Jan. 7; Sp. p. 397; Dr. p. 87; Gaz. vol. 132; p. 74.
- Brandt, J. A., assignor to Simplex Company, Cleveland, Ohio. Multiple incandescent gas-lamp. No. 905,403; Dec. 1; Sp. p. 545; Gaz. vol. 137; p. 1077.
- Brandt, O. N., Bridgeport, Tex. Coupling. No. 886,180; Apr. 28; Sp. p. 5157; Dr. p. 1085; Gaz. vol. 133; p. 2098.
- Brangler, P. A., Agnew, and J. J. Faulkner, Berkeley, Cal. Reduction of zinc oxides. No. 906,191; Dec. 8; Sp. p. 2116; Gaz. vol. 137; p. 1363.
- Branham, J. M., Springfield, Ill. Rural-mail-delivery apparatus. No. 876,433; Jan. 14; Sp. p. 1504; Dr. pp. 323-4; Gaz. vol. 132; p. 277.
- Brannan, J. E., Idagrove, Iowa. Bicycle handle-bar. No. 897,579; Sept. 1; Sp. p. 696; Dr. p. 146; Gaz. vol. 136; p. 110.
- Brannan, S. L., Garden City, Kans. Holder for drill-rods and pipes. No. 881,659; Mar. 10; Sp. p. 2329; Dr. p. 504; Gaz. vol. 133; p. 418.
- Brannen, T. L., Berlin, N. H. Paper cutting and folding machine. No. 893,136; July 14; Sp. p. 1548; Dr. pp. 320-1; Gaz. vol. 135; p. 278.
- Branscombe, W. (See Batt and Branscombe.)
- Branson, E. F. M., Leicester, England, assignor to Wyckoff, Seamans & Benedict, Elion, N. Y. Type-writing machine. No. 907,450; Dec. 22; Sp. p. 4554; Gaz. vol. 137; p. 1833.
- Branson, F. B., and A. C. Nave, Pawnee, La. Car-roof. No. 895,418; Aug. 11; Sp. p. 1292; Dr. p. 271; Gaz. vol. 135; p. 1132.
- Brant, E. D. (See Filliez, H. J., assignor.)
- Brant, G. L. (See Becker, J., assignor.)
- Brant, J. S., assignor to Cory & Reynolds Company, Providence, R. I. Pierceless ear-drop. No. 879,358; Feb. 18; Sp. p. 2995; Dr. p. 626; Gaz. vol. 132; p. 1401.
- Brant, J. S., assignor to Cory & Reynolds Company, Providence, R. I. Cuff-pin and other analogous article of jewelry. No. 879,359; Feb. 18; Sp. p. 2996; Dr. p. 626; Gaz. vol. 132; p. 1401.
- Brantingham, A. C., Toledo, Ohio. Gyrotory sifter. (Reissue.) No. 12,890; Dec. 1; Sp. p. 1411; Gaz. vol. 137; p. 1215.
- Brantley, J. T., Salisbury, N. C. Sandpaper-machine. No. 880,965; Mar. 3; Sp. p. 964; Dr. p. 208; Gaz. vol. 133; p. 163.
- Brasor, F. S., *et al.* (See Swanson, S. A., assignor.)
- Brasseur, C. L. A., New York, N. Y. Making photographic prints. No. 897,815; Sept. 1; Sp. p. 1166; Dr. p. 248; Gaz. vol. 136; p. 185.
- Brasseur, E. J., assignor to A. B. Dick Company, Chicago, Ill. Duplicating apparatus. No. 884,704; Apr. 14; Sp. p. 2128; Dr. pp. 453-4; Gaz. vol. 133; p. 1558.
- Brassington, I. S., Mount Carmel, Pa. Removable calk for horseshoes. No. 898,032; Sept. 8; Sp. p. 1648; Dr. p. 351; Gaz. vol. 136; p. 289.
- Brassington, J. L., Mount Carmel, Pa. Placket-closer. No. 883,692; Apr. 7; Sp. p. 16; Dr. p. 4; Gaz. vol. 133; p. 1198.
- Brassington, J. L., Mount Carmel, Pa. Placket-closer. No. 900,662; Oct. 6; Sp. p. 1268; Dr. p. 259; Gaz. vol. 136; p. 1267.
- Brasson, A. D., San Francisco, Cal. Gas-generating apparatus. No. 891,665; June 23; Sp. p. 5056; Dr. pp. 1090-1; Gaz. vol. 134; p. 1955.
- Brauer, A. K., Los Angeles, Cal. Combination fashion-plate frame and display-stand for merchandise. No. 892,575; July 7; Sp. p. 348; Dr. p. 76; Gaz. vol. 135; p. 65.
- Brauer, C., Hostomitz, near Tepitz, Austria-Hungary. Apparatus for automatically conveying bottles, &c., into annealing-furnaces. No. 898,179; Sept. 8; Sp. p. 1934; Dr. p. 413; Gaz. vol. 136; p. 335.
- Brauer, J., Menasha, Wis. Shipping-case-cover fastener. No. 884,890; Apr. 14; Sp. p. 2495; Dr. p. 527; Gaz. vol. 133; p. 1618.
- Brauer, J., Menasha, Wis. Shipping-case-cover fastener. No. 897,343; Sept. 1; Sp. p. 194; Dr. p. 41; Gaz. vol. 136; p. 29.
- Brauer, M. L., Richmond, Va. Supporting means for maul-sticks. No. 905,404; Dec. 1; Sp. p. 549; Gaz. vol. 137; p. 1078.
- Brauer, R. B., Richmond, Va. Time-controlled electric switch. No. 890,403; June 9; Sp. p. 2438; Dr. pp. 539-40; Gaz. vol. 134; p. 1476.
- Braun, A., West Hoboken, assignor of one-half to G. E. Steinhauser, Union Hill, N. J. Hinge-borer for embroidery-machines. No. 881,894; Mar. 17; Sp. p. 2821; Dr. p. 603; Gaz. vol. 133; p. 523.
- Braun, A. F. (See Dinwiddie and Braun.)
- Braun, F., Dresden, Germany. Electric-current bathing-tub. No. 904,677; Nov. 24; Sp. p. 4401; Gaz. v. l. 137; p. 799.
- Braun, F. C. (See Boettcher, H. P., assignor.)
- Braun, J. E., *et al.* (See Crowson, W. L., assignor.)
- Braun, J. M., *et al.* (See Crowson, W. L., assignor.)
- Braun, M. (See Hey and Braun.)
- Braun Manufacturing Company. (See Schirra and Weber, assignors.)
- Braun, R., *et al.* (See Crowson, J. M., assignor.)
- Braun, R., Glen Ulin, N. D. Gear connection. No. 889,101; May 26; Sp. p. 5597; Dr. p. 1185; Gaz. vol. 134; p. 996.
- Brauner, H., Jägerndorf, Austria-Hungary. Valve. No. 878,183; Feb. 4; Sp. p. 609; Dr. p. 125; Gaz. vol. 132; p. 944.
- Bräuning, K. A., Zaandam, Netherlands. Hand-firearm. No. 884,065; Apr. 7; Sp. p. 796; Dr. pp. 167-8; Gaz. vol. 133; p. 1321.
- Bräunlein, G., Nuremberg, Germany. Apparatus for applying ribbon gold-leaf and the like. No. 878,184; Feb. 4; Sp. p. 610; Dr. p. 125; Gaz. vol. 132; p. 945.
- Braunwalder, J., Chicago, Ill. Internal-combustion engine. No. 879,512; Feb. 18; Sp. p. 3328; Dr. p. 695; Gaz. vol. 132; p. 1452.
- Bravin, J. A. (See Bouchard and Bravin.)
- Braxton, J. M., Key West, Fla. Concrete pile. No. 878,765; Feb. 11; Sp. p. 1850; Dr. p. 382; Gaz. vol. 132; p. 1170.
- Bray, C. W., assignor to American Sheet & Tin Plate Company, Pittsburg, Pa. Tandem mill. No. 876,895; Jan. 14; Sp. p. 2453; Dr. pp. 535-6; Gaz. vol. 132; p. 432.
- Bray, C. W., assignor to American Sheet & Tin Plate Company, Pittsburg, Pa. Mechanism for doubling or matching metal plates. No. 907,121; Dec. 22; Sp. p. 3876; Gaz. vol. 137; p. 1720.
- Bray, C. W., assignor to American Sheet & Tin Plate Company, Pittsburg, Pa. Doubling apparatus for metal sheets or plates. No. 907,122; Dec. 22; Sp. p. 3878; Gaz. vol. 137; p. 1721.
- Bray, C. W., and J. Peat, Pittsburg, Pa., assignors to American Tin Plate Company. Rolling-mill feed mechanism. No. 887,582; May 12; Sp. p. 2543; Dr. pp. 536-7; Gaz. vol. 134; p. 439.
- Bray, M. N. (See Emery, V. J., assignor.)
- Bray, R. L., Long Branch, N. J. Laundry-edger. No. 880,714; Mar. 3; Sp. p. 449; Dr. p. 94; Gaz. vol. 133; p. 79.
- Bray, T. J., Pittsburg, Pa., and G. C. Shackelford, Youngstown, Ohio. Shear mechanism. No. 897,344; Sept. 1; Sp. p. 195; Dr. pp. 41-2; Gaz. vol. 136; p. 29.
- Bray, W. C. (See Simpson and Bray.)
- Braybrook, C., Fort Wayne, Ind. Beer-faucet. No. 899,201; Sept. 22; Sp. p. 3871; Dr. p. 827; Gaz. vol. 136; p. 725.
- Brayman Manufacturing Company. (See Schodde, G. W., assignor.)

Alphabetical list of patentees—Continued.

- Brayton, E. I. and J. T., assignors to Geneva Optical Company, Chicago, Ill. Measuring instrument. No. 901,678; Oct. 20; Sp. p. 3366; Dr. p. 690; Gaz. vol. 136; p. 1661.
- Brayton, J. T. (See Brayton, E. I. and J. T.)
- Brazee, F. E., Monson, assignor of one-half to H. S. Mowry, North Adams, Mass. Trolley. No. 882,450; Mar. 17; Sp. p. 3887; Dr. p. 831; Gaz. vol. 133; p. 703.
- Brazelle, B., Kirkwood, assignor to A. Leschen & Sons Rope Company, St. Louis, Mo. Rope-clamp. No. 895,397; Aug. 4; Sp. p. 1232; Dr. p. 259; Gaz. vol. 135; p. 1100.
- Brazil, A. (See Brazil, D. H. and A.)
- Brazil, D. H. and A., Montgomery, Ala. Street-car fender. No. 897,345; Sept. 1; Sp. p. 196; Dr. p. 42; Gaz. vol. 136; p. 30.
- Brazill, J. M., Rochester, N. Y. Stairway for fire-escapes, &c. No. 878,863; Feb. 11; Sp. p. 2032; Dr. p. 420; Gaz. vol. 132; p. 1201.
- Breckenridge, K. S., Chicago, Ill., assignor to American Can Company, New York, N. Y. Friction-top can. No. 878,766; Feb. 11; Sp. p. 1850; Dr. p. 382; Gaz. vol. 132; p. 1170.
- Breckenridge, R. M., Hamilton, Ontario, Canada. Can-fork or can-lifter. No. 885,580; Apr. 21; Sp. p. 3931; Dr. p. 820; Gaz. vol. 133; p. 1872.
- Bredin, C. H., *et al.* (See Henrich, C. W., assignor.)
- Bree, J. O., Port Chester, N. Y. Flushing-tank and closet. No. 886,470; May 5; Sp. p. 259; Dr. p. 54; Gaz. vol. 134; p. 48.
- Bree, L., Chicago, Ill., assignor to R. P. Dunston, Hancock, Mich. Excavating apparatus. No. 895,236; Aug. 4; Sp. p. 934; Dr. pp. 196-7; Gaz. vol. 135; p. 1049.
- Breen, G. T. (See Wilson, A. B., assignor.)
- Breen, J., *et al.* (See Ferriotti, C. L., assignor.)
- Breese, A., Adrian, Mo. Ventilating apparatus. No. 905,283; Dec. 1; Sp. p. 310; Gaz. vol. 137; p. 1037.
- Breeze, C. (See Breeze, G. and C.)
- Breeze, G. and C., New Straitsville, Ohio. Tie-holder. No. 883,282; Mar. 31; Sp. p. 5569; Dr. p. 1178; Gaz. vol. 133; p. 1039.
- Breeze, H. J., assignor of one-half to C. N. Kunnels, Port Huron, Mich. Match-box. No. 875,773; Jan. 7; Sp. p. 191; Dr. p. 40; Gaz. vol. 132; p. 35.
- Brehaut, H. B., Cottage Grove, Oreg. Carbonated liquid. No. 879,031; Feb. 11; Sp. p. 2335; Gaz. vol. 132; p. 1253.
- Breiding, A. W., Sterling, Ill. Carbureter. No. 885,832; Apr. 28; Sp. p. 4460; Dr. p. 936; Gaz. vol. 133; p. 1984.
- Breiding, A. W., Sterling, Ill. Water-motor. No. 902,202; Oct. 27; Sp. p. 4455; Dr. p. 901; Gaz. vol. 136; p. 1861.
- Breitenfeld, R. A., Madison, Wis. Window shade and curtain adjuster. No. 895,237; Aug. 4; Sp. p. 936; Dr. p. 197; Gaz. vol. 135; p. 1049.
- Breitenstein, F., Denver, Colo. Water-motor. No. 881,222; Mar. 10; Sp. p. 1454; Dr. p. 313; Gaz. vol. 133; p. 276.
- Breitenstein, F., Denver, Colo. Water-motor. No. 897,346; Sept. 1; Sp. p. 198; Dr. p. 42; Gaz. vol. 136; p. 30.
- Breitenstein, J. G., assignor to Independent Button and Machine Company, Chicago, Ill. Press for button-making and like purposes. No. 899,098; Sept. 22; Sp. p. 3664; Dr. pp. 784-5; Gaz. vol. 136; p. 691.
- Breitenstein, J. G., assignor to Independent Button & Machine Company, Chicago, Ill. Button. No. 899,824; Sept. 29; Sp. p. 5136; Dr. p. 1098; Gaz. vol. 136; p. 964.
- Breitweg, A. B. (See Saunders and Breitweg.)
- Bremer, I. M., New York, N. Y. Dog-collar. No. 883,384; Mar. 31; Sp. p. 5783; Dr. p. 1235; Gaz. vol. 133; p. 1072.
- Brenner, D. A., London, England. Mortar-box for stamp-mills. No. 877,291; Jan. 21; Sp. p. 3305; Dr. p. 715-16; Gaz. vol. 132; p. 605.
- Brenizer, H., Omaha, Nebr. Adjustable window-shade fixture. No. 889,294; June 2; Sp. p. 202; Dr. p. 51; Gaz. vol. 134; p. 1090.
- Brennan Construction Company. (See Davis, H., assignor.)
- Brennan, H., assignor of one-half to E. L. White, Brooklyn, N. Y. Shank for shoes. No. 886,181; Apr. 28; Sp. p. 5158; Dr. p. 1086; Gaz. vol. 133; p. 2098.
- Brennan, J. A. (See Mann, G. E., assignor.)
- Brennan, J. B., Sherman, Tex. Apparatus for bleaching cotton. No. 880,005; Feb. 25; Sp. p. 4371; Dr. p. 916; Gaz. vol. 132; p. 1646.
- Brennan, J. B., Sherman, Tex. Apparatus for bleaching seed-cotton. No. 884,359; Apr. 14; Sp. p. 1401; Dr. p. 300; Gaz. vol. 133; p. 1444.
- Brennan, J. D. (See Bernhart, M., assignor.)
- Brennan, J. F. (See Banwell, J., assignor.)
- Brennan, J. F., Brooklyn, N. Y. Paper-hanging device. No. 882,092; Mar. 17; Sp. p. 3230; Dr. p. 687; Gaz. vol. 133; p. 588.
- Brennan, J. P., *et al.* (See McGiffin and McCauley, assignors.)
- Brennan, M. J., *et al.* (See Mullen and Brennan.)
- Brennan, P. H., Syracuse, N. Y. Carburetor for explosive-engines. No. 891,322; June 23; Sp. p. 4329; Dr. p. 944; Gaz. vol. 134; p. 1842.
- Brennan, T., New York, N. Y. Feed-bag attachment. No. 903,169; Nov. 10; Sp. p. 1257; Gaz. vol. 137; p. 238.
- Brennan, T. F., *et al.* (See Mullen and Brennan.)
- Brennan, T. F. and T. J. Mullen, New York, N. Y. Trolley-harp. No. 908,068; Dec. 29; Sp. p. 5853; Gaz. vol. 137; p. 2064.
- Brenneman, C. B., Boston, Mass. Bowling-alley. No. 904,400; Nov. 17; Sp. p. 3808; Gaz. vol. 137; p. 679.
- Brenner, F. (See Stelling and Brenner.)
- Brenner, J., Philadelphia, Pa. Table. No. 897,520; Sept. 1; Sp. p. 582; Dr. pp. 120-1; Gaz. vol. 136; p. 91.
- Brenner, P., Dusseldorf, and O. Hoffmann, Freiburg, Germany. Automatic valve for pumps. No. 890,121; June 9; Sp. p. 1855; Dr. p. 468; Gaz. vol. 134; p. 1386.
- Brent, C., Kenora, Ontario, Canada. Adjustable screw conveyor. No. 887,762; May 19; Sp. p. 2899; Dr. p. 611; Gaz. vol. 134; p. 527.
- Brent, C., Brandon, Manitoba, Canada. Fluid-level indicator. No. 896,706; Aug. 25; Sp. p. 3827; Dr. p. 828; Gaz. vol. 135; p. 1591.
- Brent, C., Brandon, Manitoba, Canada. Sprinkler-head. No. 907,000; Dec. 15; Sp. p. 3626; Gaz. vol. 137; p. 1645.
- Brent, I. H. (See Overbagh, Ayres and Brent.)
- Brenton, A. A., Fortuna, Mo. Swimming-glove. No. 894,311; July 28; Sp. p. 4059; Dr. p. 838; Gaz. vol. 135; p. 715.
- Brents, W. R., and W. P. Gunn, Sherman, Tex. Hane and trace connector. No. 904,932; Nov. 24; Sp. p. 4956; Gaz. vol. 137; p. 884.
- Breslau, M., Charlottenburg, assignor to Firm of W. Graaff & Compagnie, Ges. mit beschr. Haftung, Berlin, Germany. Chemical fire-extinguisher. No. 876,320; Jan. 14; Sp. p. 1256; Gaz. vol. 132; p. 241.
- Breslau, M., Charlottenburg, assignor to Firm of W. Graaff & Compagnie, Ges. mit beschr. Haftung, Berlin, Germany. Chemical fire-extinguisher. No. 876,321; Jan. 14; Sp. p. 1257; Gaz. vol. 132; p. 241.
- Breslau, M., Charlottenburg, assignor to W. Graaff & Compagnie Ges. mit beschr. Haftung, Berlin, Germany. Antifreezing fire-extinguishing compound. No. 894,585; July 28; Sp. p. 4600; Gaz. vol. 135; p. 804.
- Breslau, M. D., and S. W. Clark, Norfolk, Va. Railway safety appliance. No. 878,113; Feb. 4; Sp. p. 441; Dr. pp. 93-4; Gaz. vol. 132; p. 920.
- Bresnahan Shoe Machinery Company. (See Heys, J. J., assignor.)
- Brest, A., New Castle, Pa. Pneumatic pump. No. 894,586; July 28; Sp. p. 4601; Dr. p. 954; Gaz. vol. 135; p. 805.
- Brett, J. T., Milwaukee, Wis. Harvester-reel. No. 885,833; Apr. 28; Sp. p. 4461; Dr. pp. 936-7; Gaz. vol. 133; p. 1984.
- Brett, O. C., Humboldt, Kans. Mail-bag catcher. No. 881,175; Mar. 10; Sp. p. 1358; Dr. pp. 292-3; Gaz. vol. 133; p. 261.
- Brett, O. C., Humboldt, Kans. Mail-bag deliverer. No. 889,172; May 26; Sp. p. 5755; Dr. p. 1218; Gaz. vol. 134; p. 1020.
- Brettell, G. F., Shawnee, Okla. Grease-cup. No. 891,398; June 23; Sp. p. 4495; Dr. p. 978; Gaz. vol. 134; p. 1868.
- Bretz, J., Jr., Youngstown, Ohio. Badge. No. 908,069; Dec. 29; Sp. p. 5855; Gaz. vol. 137; p. 2065.
- Brewer, C., Topeka, Kans. Combined anvil, vise, and drill. No. 895,953; Aug. 11; Sp. p. 2352; Dr. p. 502; Gaz. vol. 135; p. 1304.
- Brewer, C. A., Noroton Heights, Conn. Universal joint. No. 887,184; May 12; Sp. p. 1665; Dr. pp. 353-4; Gaz. vol. 134; p. 305.
- Brewer, F. J., Cleveland, Ohio. Multiple-tool holder. No. 890,888; June 16; Sp. p. 3344; Dr. p. 733; Gaz. vol. 134; p. 1652.
- Brewer, G. W., and J. K. Gibson, Clay Center, Nebr. Mechanical movement for washing-machines. No. 899,025; Sept. 22; Sp. p. 3532; Dr. p. 756; Gaz. vol. 136; p. 667.
- Brewer, H. J., New York, N. Y. Cover for electric batteries. No. 900,476; Oct. 6; Sp. p. 865; Dr. pp. 176-7; Gaz. vol. 136; p. 1206.
- Brewer, J., Hazleton, Pa. Machine for forming artificial-stone walls. No. 900,261; Oct. 6; Sp. p. 406; Dr. p. 82; Gaz. vol. 136; p. 1135.
- Brewer, J. A., Jackson, Mich. Shoe-polishing machine. No. 900,825; Oct. 13; Sp. p. 1615; Dr. p. 328; Gaz. vol. 136; p. 1348.
- Brewer, M. L., and L. B. Miller, Denver, Colo. Burial-vault. No. 885,138; Apr. 21; Sp. p. 3021; Dr. p. 637; Gaz. vol. 133; p. 1731.
- Brewer, R. B., Oxford, Kans. Corn-harvester. No. 884,891; Apr. 14; Sp. p. 2496; Dr. p. 527; Gaz. vol. 133; p. 1619.
- Brewer, R. B., assignor of one-half to S. R. Payne, Oxford, Kans. Corn-harvester. No. 878,477; Feb. 4; Sp. p. 1177; Dr. p. 239; Gaz. vol. 132; p. 1041.
- Brewer, R. L., Camden, Ark. Expansion-joint. No. 907,727; Dec. 29; Sp. p. 5153; Gaz. vol. 137; p. 1952.
- Brewer, W. J., Trenton, N. J. Antifriction wheel-bearing. No. 891,203; June 16; Sp. p. 4066; Dr. p. 891; Gaz. vol. 134; p. 1770.
- Brewington, H. S., Baltimore, Md. Bottle-cap. No. 895,066; Aug. 4; Sp. p. 582; Dr. p. 120; Gaz. vol. 135; p. 990.
- Brewington, H. S., Baltimore, Md. Ash-sifter. No. 900,826; Oct. 13; Sp. p. 1617; Dr. p. 328; Gaz. vol. 136; p. 1348.
- Brews, D., Cleveland, Ohio. Blow-out device for steam-boilers. No. 881,895; Mar. 17; Sp. p. 2823; Dr. p. 603; Gaz. vol. 133; p. 523.
- Brews, D., Cleveland, Ohio. Feed-water heater. No. 891,399; June 23; Sp. p. 4496; Dr. p. 978; Gaz. vol. 134; p. 1868.
- Brewster, A. (See Hockman, R. P., assignor.)
- Brewster, C. (See Dodge, R. E., assignor.)

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- Brewster, C. W., Sierra Madre, Cal. Fruit-picker's receptacle. No. 892,127; June 30; Sp. p. 5970; Dr. p. 1283; Gaz. vol. 134; p. 2138.
- Brewster, F. W., Bournemouth, England. Golf-club. No. 894,809; Aug. 4; Sp. p. 7; Dr. p. 2; Gaz. vol. 135; p. 902.
- Brewster, M. B., Columbus, Ohio. Automatic stoker. No. 880,622; Mar. 3; Sp. p. 271; Dr. pp. 57-8; Gaz. vol. 133; p. 48.
- Brewster, M. B., Columbus, Ohio. Automatic stoker. No. 880,623; Mar. 3; Sp. p. 274; Dr. pp. 58-9; Gaz. vol. 133; p. 48.
- Brewster, S. M. (See Zimmerman, R. E., assignor.)
- Brewster, W. A., Edmonton, Alberta, Canada. Grain-separator. No. 889,433; June 2; Sp. p. 484; Dr. p. 115; Gaz. vol. 134; p. 1136.
- Brewster, W. A., assignor of one-half to H. J. Robinhold, Philadelphia, Pa. Match-safe. No. 881,051; Mar. 3; Sp. p. 1116; Dr. p. 241; Gaz. vol. 133; p. 191.
- Breyer, T. E., Waukegan, Ill. Making thin boiling starch. No. 881,104; Mar. 10; Sp. p. 1222; Dr. p. 263; Gaz. vol. 133; p. 237.
- Breyer, T. E., Waukegan, Ill. Apparatus for making thin boiling starch. No. 881,105; Mar. 10; Sp. p. 1224; Dr. p. 263; Gaz. vol. 133; p. 237.
- Brian, W. S., *et al.* (See Franklin, S. G., assignor.)
- Brian, W. S. (See Underwood, H. G., assignor.)
- Brice, A. W., assignor to Rochester Surgical Appliance Company, Rochester, N. Y. Electric-current regulator. No. 884,458; Apr. 14; Sp. p. 1593; Dr. p. 344; Gaz. vol. 133; p. 1477.
- Brickell, W. S., Buffalo, N. Y. Weatherproof window-frame. No. 881,052; Mar. 3; Sp. p. 1117; Dr. p. 242; Gaz. vol. 133; p. 191.
- Bricker, E. J., assignor to American Implement Company, Minneapolis, Minn. Combined truck, scale, and bag-holder. No. 884,459; Apr. 14; Sp. p. 1596; Dr. p. 344; Gaz. vol. 133; p. 1477.
- Bricker, E. J., assignor of one-half to J. D. Anderson, Minneapolis, Minn. Railway-spike. No. 902,935; Nov. 3; Sp. p. 814; Gaz. vol. 137; p. 134.
- Bricker, J. W., assignor of one-half to G. Beneventano, Wilmerding, Pa. Glass-holder. No. 899,290; Sept. 22; Sp. p. 4059; Dr. p. 867; Gaz. vol. 136; p. 753.
- Brickner, F. E., Saratoga Springs, N. Y. Gas-box attachment. No. 904,933; Nov. 24; Sp. p. 4957; Gaz. vol. 137; p. 884.
- Bridgdon, G., and R. J. Fowler, Manchester, England. Roller-mill. No. 881,296; Mar. 10; Sp. p. 1615; Dr. p. 345; Gaz. vol. 133; p. 301.
- Bridegum, C. W., Hainesport, N. J. Combination rail-joint and nut-lock. No. 907,564; Dec. 22; Sp. p. 4751; Gaz. vol. 137; p. 1868.
- Bridegum, C. W., Hainesport, N. J. Railway-tie. No. 907,565; Dec. 22; Sp. p. 4752; Gaz. vol. 137; p. 1868.
- Bridenbaugh, E. H. (See Ohmer, Bridenbaugh, and Nelson.)
- Bridge, W. G., Boston, Mass. Press for swaging seamless crowns. No. 884,311; Apr. 7; Sp. p. 1291; Dr. p. 274; Gaz. vol. 133; p. 1399.
- Bridgeport Brass Company. (See Stapley, W. S., assignor.)
- Bridgeport Chain Company. (See Sherwood, J. M., assignor.)
- Bridgeport Hardware Manufacturing Corporation. (See Hobbs, W. F., assignor.)
- Bridges, D. M., *et al.* (See Sebree, W. T., assignor.)
- Bridges, E. P., Wewoka, Okla. Window-screen hanger. No. 907,728; Dec. 29; Sp. p. 5154; Gaz. vol. 137; p. 1952.
- Bridges, H. J., Farmington, Mo. Meat-cutter. No. 892,128; June 30; Sp. p. 5971; Dr. pp. 1283-4; Gaz. vol. 134; p. 2139.
- Briddwell, G. T., Denver, Colo. Metallic railway-tie. No. 897,580; Sept. 1; Sp. p. 697; Dr. p. 146; Gaz. vol. 136; p. 110.
- Brierley, W. E., Cleveland, Ohio. Engraving-machine. No. 885,428; Apr. 21; Sp. p. 3620; Dr. p. 759; Gaz. vol. 133; p. 1826.
- Brierty, M. J., Chicago, Ill. Heat-controlling apparatus. No. 902,936; Nov. 3; Sp. p. 815; Gaz. vol. 137; p. 135.
- Brigance, A. O., Navasota, Tex. Bale-tie. No. 881,053; Mar. 3; Sp. p. 1119; Dr. p. 242; Gaz. vol. 133; p. 191.
- Brigel, L. A., Jr., Cincinnati, Ohio. Cooperage-hoop. No. 887,185; May 12; Sp. p. 1667; Dr. p. 354; Gaz. vol. 134; p. 306.
- Briggs, A. J. (See Brown and Briggs.)
- Briggs, C. E., Ashtabula, Ohio. Heddle-frame. No. 889,655; June 2; Sp. p. 903; Dr. p. 209; Gaz. vol. 134; p. 1207.
- Briggs, D., and W. H. Shepard, New York, assignors to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 893,564; July 14; Sp. p. 2398; Dr. pp. 502-3; Gaz. vol. 135; p. 417.
- Briggs, F. A. (See Pierce, H., assignor.)
- Briggs, G. E., *et al.* (See Mayo, W. C., assignor.)
- Briggs, G. E. (See Mayo and Houlehan, assignors.)
- Briggs, G. R. (See Raymond, D. E., assignor.)
- Briggs, H. A., New York, N. Y. Type-writing machine. No. 895,720; Aug. 11; Sp. p. 1886; Dr. p. 400; Gaz. vol. 135; p. 1230.
- Briggs, H. A., New York, N. Y. Type-writing machine. No. 903,510; Nov. 10; Sp. p. 2554; Gaz. vol. 137; p. 447.
- Briggs, J. E., assignor to Briggs Labor Saving Specialty Company, Waterloo, Iowa. Concrete-spreader. No. 896,616; Aug. 18; Sp. p. 3645; Dr. p. 783; Gaz. vol. 135; p. 1541.
- Briggs, J. H., Leeds, England. Tramway and railway track or rail. No. 904,174; Nov. 17; Sp. p. 3352; Gaz. vol. 137; p. 603.
- Briggs, L. R., Chambersburg, Ill. Mechanism for converting motion. No. 885,834; Apr. 28; Sp. p. 4463; Dr. p. 937; Gaz. vol. 133; p. 1985.
- Briggs Labor Saving Specialty Company. (See Briggs, J. E., assignor.)
- Briggs, M., St. Louis, Mo. Apparatus for preserving eggs. No. 899,382; Sept. 22; Sp. p. 4218; Dr. p. 903; Gaz. vol. 136; p. 782.
- Briggs, O. R., Colby, Wis. Attachment for ice-cream freezers. No. 900,657; Oct. 6; Sp. p. 1258; Dr. p. 257; Gaz. vol. 136; p. 1266.
- Briggs, T., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 889,752; June 2; Sp. p. 1099; Dr. pp. 254-5; Gaz. vol. 134; p. 1236.
- Briggs, W. H., Richmond Hill, N. Y. Electrical connection. No. 908,389; Dec. 29; Sp. p. 6551; Gaz. vol. 137; p. 2175.
- Brigham, M. S., Detroit, Mich., assignor of one-half to A. R. Bliss, Lowell, Mass. Induction-coil. No. 882,048; Mar. 17; Sp. p. 3150; Dr. p. 669; Gaz. vol. 133; p. 572.
- Brigham, W. C., Danbury, Conn. Wagon-wheel. No. 880,504; Mar. 3; Sp. p. 27; Dr. p. 7; Gaz. vol. 133; p. 8.
- Bright, A. W., Washington, D. C., assignor to Morgan Engineering Company, Alliance, Ohio. Traveling crane. No. 899,712; Sept. 29; Sp. p. 4881; Dr. pp. 1047-8; Gaz. vol. 136; p. 924.
- Bright, C. E., Columbus, Ohio. Food compound. No. 900,701; Oct. 13; Sp. p. 1354; Gaz. vol. 136; p. 1308.
- Bright, J. E., Washington, D. C. Printer's chase. No. 895,000; Aug. 4; Sp. p. 457; Dr. p. 93; Gaz. vol. 135; p. 968.
- Bright, R. E., Grenada, Miss. Apparatus for treating timber. No. 887,583; May 12; Sp. p. 2545; Dr. p. 537; Gaz. vol. 134; p. 439.
- Brightman, L. H., Shelby, Ohio. Automatic turning and boring machine. No. 884,125; Apr. 7; Sp. p. 967; Dr. pp. 200-1; Gaz. vol. 133; p. 1341.
- Brightman, L. H., Shelby, Ohio. Clutch for feeding metal rods or bars. No. 898,431; Sept. 15; Sp. p. 2408; Dr. p. 515; Gaz. vol. 136; p. 449.
- Brightmore, A. W., Burford, Egham, England. Front-driven motor-vehicle. No. 885,014; Apr. 21; Sp. p. 2745; Dr. p. 583; Gaz. vol. 133; p. 1690.
- Brightmore, J., Tideswell, England. Production of fertilizers, filtering materials, and the like. No. 888,304; May 19; Sp. p. 3944; Gaz. vol. 134; p. 704.
- Brighton Brass and Bronze Company. (See Berry, W. D., assignor.)
- Brile, A., Encampment, Wyo. Miner's lamp. No. 894,587; July 28; Sp. p. 4602; Dr. p. 954; Gaz. vol. 135; p. 805.
- Brill, B., Jr., North Bay, Ontario, Canada. Warning-signal for air-brake systems. No. 893,605; July 21; Sp. p. 2498; Dr. p. 520; Gaz. vol. 135; p. 460.
- Brill, J. A. (See Bucknam, E. S., assignor.)
- Brill, J. A. (See Pickles, C. K., assignor.)
- Brillhart-Carter Company. (See Brillhart, E. L., assignor.)
- Brillhart, E. L., Pentwater, assignor to Brillhart-Carter Company, Ludington, Mich. Bug-exterminating machine. No. 892,357; June 30; Sp. p. 6407; Dr. pp. 1383-4; Gaz. vol. 134; p. 2212.
- Brim, J. L., New Virginia, Iowa. Stacker. No. 889,506; June 2; Sp. p. 636; Dr. p. 148; Gaz. vol. 134; p. 1158.
- Brimson, J. H. (See Blake and Brimson.)
- Brinckerhoff, F. M., New York, N. Y. Conducting-conduit for vehicles. No. 880,477; Feb. 25; Sp. p. 5339; Dr. pp. 1125-6; Gaz. vol. 132; p. 1803.
- Brinckmeyer, E. (See Rafoth, F., assignor.)
- Brind, W. B., Paterson, N. J. Heating appliance. No. 904,833; Nov. 24; Sp. p. 4745; Gaz. vol. 137; p. 851.
- Brindley, F. W. (See Lombardo, A., assignor.)
- Brindley, G. F., Niagara Falls, Ontario, Canada, assignor to Roessler & Hasslacher Chemical Company, New York, N. Y. Fusing materials. No. 884,563; Apr. 14; Sp. p. 1810; Dr. p. 389; Gaz. vol. 133; p. 1511.
- Briner, C. K., and H. T. Fox, Veversburg, Ind. Bottle. No. 898,628; Sept. 15; Sp. p. 2799; Dr. p. 599; Gaz. vol. 136; p. 512.
- Bring, E. J., Schenectady, N. Y., assignor to General Electric Company. Lubricating device. No. 895,954; Aug. 11; Sp. p. 2354; Dr. p. 502-3; Gaz. vol. 135; p. 1304.
- Brink, F., Geestmünde, Germany. Receptacle for preserving fish and other alimentary substances. No. 884,892; Apr. 14; Sp. p. 2497; Dr. p. 528; Gaz. vol. 133; p. 1619.
- Brink, A. W. (See Hastings and Brink.)
- Brinkley, E. H., *et al.* (See Crisp, H. L., assignor.)
- Brinkman, L. A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone-switchboard apparatus. No. 896,617; Aug. 18; Sp. p. 3646; Dr. p. 783; Gaz. vol. 135; p. 1541.

Alphabetical list of patentees—Continued.

- Brinkman, L. L., assignor to Whitlock Coil Pipe Company, West Hartford, Conn. Machine for bending pipe. No. 878,604; Feb. 11; Sp. p. 1535; Dr. p. 313; Gaz. vol. 132; p. 1117.
- Brinkman, L. H., Hartford, assignor to Whitlock Coil Pipe Company, West Hartford, Conn. Flanged metal pipe and method of making. No. 893,434; July 14; Sp. p. 2113; Dr. p. 443; Gaz. vol. 135; p. 375.
- Brinkmann, E., Breslau, Germany. Painting or whitewashing pump. No. 894,112; July 21; Sp. p. 3611; Dr. p. 744; Gaz. vol. 135; p. 629.
- Brinley, C. A., assignor to American Pulley Company, Philadelphia, Pa. Reel. No. 877,397; Jan. 21; Sp. p. 3506; Dr. p. 760; Gaz. vol. 132; p. 639.
- Brinley, C. A., assignor to American Pulley Company, Philadelphia, Pa. Sheet-metal spool. No. 877,398; Jan. 21; Sp. p. 3508; Dr. p. 760; Gaz. vol. 132; p. 639.
- Brinley, C. A., assignor to American Pulley Company, Philadelphia, Pa. Housing for pulleys. No. 893,777; July 21; Sp. p. 2922; Dr. p. 598; Gaz. vol. 135; p. 513.
- Brinley, C. A., assignor to American Pulley Company, Philadelphia, Pa. Housing for sash-pulleys. No. 893,778; July 21; Sp. p. 2924; Dr. p. 599; Gaz. vol. 135; p. 513.
- Brinley-Hardy Company. (See Holsclaw, W. H., assignor.)
- Brinn, G. A., St. Helen, Ore. Ironing-board. No. 882,093; Mar. 17; Sp. p. 3232; Dr. p. 687; Gaz. vol. 133; p. 588.
- Brinn, G. A., St. Helen, Ore. Bottle-cap remover. No. 888,580; May 26; Sp. p. 4515; Dr. p. 957; Gaz. vol. 134; p. 827.
- Brinser, E. H. G., Elizabethtown, Pa. Wrench. No. 907,001; Dec. 15; Sp. p. 3627; Gaz. vol. 137; p. 1645.
- Brinshall, T. M., Oakland, and N. R. Doolittle, Berkeley, Cal. Fireproof attachment for vaults. No. 902,050; Oct. 27; Sp. p. 4153; Dr. p. 841; Gaz. vol. 136; p. 1812.
- Brinshall, T. M., Oakland, and N. R. Doolittle, Berkeley, Cal. Safe. No. 902,051; Oct. 27; Sp. p. 4154; Dr. p. 842; Gaz. vol. 136; p. 1812.
- Brinton, W., assignor to Taylor Iron & Steel Company, High Bridge, N. J. Pin for dredges or dredging-chains. No. 882,138; Mar. 17; Sp. p. 3301; Dr. p. 704; Gaz. vol. 133; p. 602.
- Brinton, W., assignor to Taylor Iron & Steel Company, High Bridge, N. J. Burglar-proof safe and vault. No. 882,620; Mar. 24; Sp. p. 4236; Dr. p. 898; Gaz. vol. 133; p. 792.
- Brisson, A. E. (See Price, A. M., assignor.)
- Brisbois, O., assignor of two-thirds to R. W. Poelma and M. Dahl, Chicago, Ill. Telephone toll-box. No. 885,429; Apr. 21; Sp. p. 3622; Dr. p. 760; Gaz. vol. 133; p. 1826.
- Briscoe, B. (See Schultz, G. J., assignor.)
- Briscoe Manufacturing Company. (See Groehn, W. C., assignor.)
- Briscoe Manufacturing Company. (See Williams, C. A., assignor.)
- Brisker, L. S. (See Renner, F. W., assignor.)
- Brisenden, W. W., assignor to National Steam Specialty Company, Chicago, Ill. Relief-valve for radiators. No. 877,399; Jan. 21; Sp. p. 3509; Dr. p. 761; Gaz. vol. 132; p. 639.
- Bristol Brass Company. (See Carpenter, W. H., assignor.)
- Bristol Brass Company. (See Holley, E. D., assignor.)
- Bristol Brass Company. (See Holley and Root, assignors.)
- Bristol, J. S., New York, N. Y. Driving-bit. No. 895,419; Aug. 11; Sp. p. 1294; Dr. p. 271; Gaz. vol. 135; p. 1132.
- Bristol, J. S., Gillespie, Ill. Remote-control electric switch. No. 900,658; Oct. 6; Sp. p. 1259; Dr. p. 257; Gaz. vol. 136; p. 1266.
- Bristol, T. L., Ansonia, Conn., assignor to Ansonia Novelty Company. Ash-receptacle. No. 895,420; Aug. 11; Sp. p. 1295; Dr. p. 271; Gaz. vol. 135; p. 1132.
- Bristol, W. H., New York, N. Y. Thermo-electrical system. No. 880,272; Feb. 25; Sp. p. 4920; Dr. p. 1041; Gaz. vol. 132; p. 1734.
- Bristol, W. H., New York, N. Y. Indicating and recording system. No. 880,273; Feb. 25; Sp. p. 4923; Dr. p. 1043; Gaz. vol. 132; p. 1734.
- Bristol, W. H., New York, N. Y. Thermo-electric couple. No. 885,430; Apr. 21; Sp. p. 3624; Dr. p. 760; Gaz. vol. 133; p. 1826.
- British Sigarera Limited. (See Broughton, D. M., assignor.)
- Brittan, F., Anselmo, Nebr. Toe-plate. No. 895,840; Aug. 11; Sp. p. 2138; Dr. p. 454; Gaz. vol. 135; p. 1268.
- Britton, E., assignor of one-half to H. E. Kaufman, North Lawrence, Ohio. Mail catcher and deliverer. No. 907,566; Dec. 22; Sp. p. 4754; Gaz. vol. 137; p. 1869.
- Britton, G. W., Camden, N. J. Bass drum. No. 886,471; May 5; Sp. p. 261; Dr. p. 55; Gaz. vol. 133; p. 48.
- Britton, J. A., Cleveland, Ohio. Incubator. No. 904,599; Nov. 24; Sp. p. 4236; Gaz. vol. 137; p. 772.
- Britton, J. J. (See Herrman, L., assignor.)
- Britton, W. N., Rochester, N. Y. Traction-wheel and runner for vehicles. No. 905,405; Dec. 1; Sp. p. 551; Gaz. vol. 137, p. 1078.
- Brizard, O., Holyoke, Mass. Stove. No. 894,364; July 28; Sp. p. 4165; Dr. p. 860; Gaz. vol. 135; p. 732.
- Broad, H., assignor to H. Bennett, London, England. Consuming smoke in boiler-furnaces and the like. No. 880,966; Mar. 3; Sp. p. 966; Dr. pp. 208-9; Gaz. vol. 133; p. 163.
- Broad, H. L., and F. H. Orcutt, Alpena, Mich. Chair attachment. No. 901,065; Oct. 13; Sp. p. 2095; Dr. p. 426; Gaz. vol. 136; p. 1425.
- Broadbent, W. T., Torrington, Conn. Floor and ceiling plate. No. 905,144; Dec. 1; Sp. p. 34; Gaz. vol. 137; p. 996.
- Broadbooks, P., Batavia, N. Y. Shears. No. 880,967; Mar. 3; Sp. p. 967; Dr. p. 209; Gaz. vol. 133; p. 163.
- Broadbooks, P., Batavia, N. Y. Pliers. No. 881,092; Mar. 3; Sp. p. 1198; Dr. p. 259; Gaz. vol. 133; p. 204.
- Broadley, J., Fair Oaks, Cal. Automatic framing-spacer. No. 878,605; Feb. 11; Sp. p. 1536; Dr. p. 313; Gaz. vol. 132; p. 1118.
- Broadwater, G. H., Thomas, W. Va. Wall-paper-measuring device. No. 898,308; Sept. 8; Sp. p. 2165; Dr. p. 460; Gaz. vol. 136; p. 374.
- Broadwell, C. S., Santa Rosa, Cal. Loose-leaf binder. No. 880,352; Feb. 25; Sp. p. 5063; Dr. p. 1069; Gaz. vol. 132; p. 1760.
- Broadwell, E. C., assignor to J. W. Meaker, Jr., Chicago, Ill. Solvent for metals. No. 884,705; Apr. 14; Sp. p. 2131; Gaz. vol. 133; p. 1559.
- Broadwell, E. C., assignor to J. W. Meaker, Jr., Chicago, Ill. Electrolyte. No. 905,837; Dec. 8; Sp. p. 1436; Gaz. vol. 137; p. 1249.
- Broady, C. M., South Bend, Ind. Artificial hand. No. 879,360; Feb. 18; Sp. p. 2997; Dr. p. 627; Gaz. vol. 132; p. 1402.
- Brock, A. C., Fazakerley, Liverpool, England. Apparatus for making molds for casting metals. No. 893,137; July 14; Sp. p. 1524; Dr. p. 322; Gaz. vol. 135; p. 279.
- Brock, F. C., assignor to Vehicle Apron & Hood Company, Columbus, Ohio. Tire-cover. No. 907,453; Dec. 22; Sp. p. 4561; Gaz. vol. 137; p. 1834.
- Brock, F. W. (See Fogarty, Brock, and Bowdle.)
- Brock, F. W., Chatham, Ill. Electric time-switch. No. 876,293; Jan. 7; Sp. p. 1194; Dr. p. 260; Gaz. vol. 132; p. 201.
- Brock, G. F., Brock, assignor of one-half to N. S. Crisp, Stecoah, N. C. Clothes-pin. No. 887,719; May 12; Sp. p. 2795; Dr. p. 590; Gaz. vol. 134; p. 485.
- Brock, H. M., London, Ky. Spring-mattress. No. 877,548; Jan. 28; Sp. p. 3342; Dr. p. 831; Gaz. vol. 132; p. 711.
- Brock, T., Jüchen, Germany. Two-color-printing machine. No. 886,936; May 5; Sp. p. 1193; Dr. pp. 251-3; Gaz. vol. 134; p. 198.
- Brock, W. F. (See Richardson, F. L., assignor.)
- Brockardt, P. L., Hamilton, assignor, by mesne assignments, to Ohio Laundry Machinery Co., Cincinnati, Ohio. Mangle. No. 897,859; Sept. 1; Sp. p. 1266; Dr. p. 271; Gaz. vol. 136; p. 199.
- Brocke, R., Aachen, Germany. Automatic flushing apparatus. No. 882,451; Mar. 17; Sp. p. 3889; Dr. p. 831; Gaz. vol. 133; p. 703.
- Brockelhurst, C., Maquon, Ill. Handle for crosscut-saws. No. 877,169; Jan. 21; Sp. p. 3067; Dr. p. 664; Gaz. vol. 132; p. 565.
- Brockett, W. F., Anthony, and N. H. Beebe, Wichita, Kans. Bpok-mark. No. 901,225; Oct. 13; Sp. p. 2374; Dr. pp. 485-6; Gaz. vol. 136; p. 1474.
- Brockman, H. E., assignor of one-half to J. H. Jones, Sioux City, Iowa. Safety gas-cock. No. 890,404; June 9; Sp. p. 2441; Dr. p. 540; Gaz. vol. 134; p. 1477.
- Brockman, M. E., Pittsburg, Pa. Dish-drainer. No. 894,938; Aug. 4; Sp. p. 328; Dr. p. 66; Gaz. vol. 135; p. 947.
- Brockmann, E. C., assignor of one-half to M. Silberstein, Davenport, Iowa. Receptacle for tobacco wrappers. No. 877,700; Jan. 28; Sp. p. 4124; Dr. p. 893; Gaz. vol. 132; p. 758.
- Brockway, B. B., Cleveland, assignor to Dean Electric Company, Elyria, Ohio. Telephone call-register. No. 896,081; Aug. 18; Sp. p. 2605; Dr. p. 565; Gaz. vol. 135; p. 1369.
- Brockway, H. A., Denver, Colo. Pneumatic tool. No. 893,138; July 14; Sp. p. 1527; Dr. pp. 322-3; Gaz. vol. 135; p. 279.
- Brockway, J. H., Buckner, Mo. Signal and order attachment for rural-route mail-boxes. No. 905,284; Dec. 1; Sp. p. 311; Gaz. vol. 137; p. 1037.
- Broderick & Bascom Rope Company. (See Gemmer, W. S., assignor.)
- Broderick, D. F., New Britain, assignor to Sargent & Company, New Haven, Conn. Machine for scouring and scratch-brushing knobs and other metal articles. No. 892,129; June 30; Sp. p. 5972; Dr. p. 1284; Gaz. vol. 134; p. 2139.
- Broderick, D. F., New Britain, assignor of one-half to L. Sperry, South Windsor, Conn. Endless carrier. No. 898,550; Sept. 15; Sp. p. 2649; Dr. p. 566; Gaz. vol. 136; p. 436.
- Broderick, E. N., Detroit, Mich. Carbureter. No. 892,499; July 7; Sp. p. 217; Dr. pp. 45-6; Gaz. vol. 135; p. 40.
- Broderick, H. J. (See Vize and Broderick.)
- Broderick, J. W., Newark, N. J. Carbureter. No. 907,123; Dec. 22; Sp. p. 3880; Gaz. vol. 137; p. 1721.
- Broderon, G. C. (See Hageman and Broderon.)
- Brodie, L. H. K., Brooklyn, N. Y. Molding-machine. No. 876,322; Jan. 14; Sp. p. 1259; Dr. p. 273; Gaz. vol. 132; p. 241.

Alphabetical list of patentees—Continued.

- Brodie, W. M., assignor to Edison Manufacturing Company, West Orange, N. J. Battery-plate. No. 879,361; Feb. 18; Sp. p. 2998; Dr. p. 627; Gaz. vol. 132; p. 1402.
- Brodin, J. A., Chicago, Ill. Pipe-joint. No. 894,183; July 28; Sp. p. 3777; Dr. p. 782; Gaz. vol. 135; p. 672.
- Brodnax, H. J. (See Brown, J. J., assignor.)
- Brodton, E. R., assignor of one-fourth to G. H. Fonde and E. E. Wagar, Mobile, Ala. Hydraulic pumping and generating apparatus. No. 894,588; July 28; Sp. p. 4604; Dr. p. 955; Gaz. vol. 135; p. 805.
- Brodton, E. R., assignor of thirteen-fifteenths to G. H. Fonde and E. E. Wagar, Mobile, Ala. Railway signaling apparatus. No. 902,553; Nov. 3; Sp. p. 31; Gaz. vol. 137; p. 7.
- Broga, F. D., Oneida, N. Y. Meat-hook. No. 884,360; Apr. 14; Sp. p. 1403; Dr. p. 301; Gaz. vol. 133; p. 1444.
- Broga, F. D., Oneida, N. Y. Meat-hook. No. 884,361; Apr. 14; Sp. p. 1406; Dr. p. 301; Gaz. vol. 133; p. 1444.
- Brokaw, W. G. (See Christie, W., assignor.)
- Brolin, W. A. (See Faust and Brolin.) (Reissue.)
- Brombacher, J., assignor to P. M. De Croupet, Los Angeles, Cal. Elevator-door mechanism. No. 907,454; Dec. 22; Sp. p. 4563; Gaz. vol. 137; p. 1835.
- Bromley, E. A. (See French, B. J., assignor.)
- Bromley, H. H., Milford, Del. Neck-yoke center. No. 904,934; Nov. 24; Sp. p. 4958; Gaz. vol. 137; p. 884.
- Bromley, R. C., Ben Avon, Pa. Rotary pump. No. 886,110; Apr. 28; Sp. p. 5028; Dr. p. 1057; Gaz. vol. 133; p. 2075.
- Bromund, E. A., New York, N. Y. Ironing wax-pad. No. 898,180; Sept. 8; Sp. p. 1937; Dr. p. 413; Gaz. vol. 136; p. 336.
- Bromwell Brush and Wire Goods Company. (See Worcester, T. M., assignor.)
- Bronchain, F. A., McDonald, Pa. Wrench. No. 906,192; Dec. 8; Sp. p. 2116; Gaz. vol. 137; p. 1363.
- Bronenkant, J., Racine, Wis. Adjustable last. No. 891,590; June 23; Sp. p. 4882; Dr. p. 1052; Gaz. vol. 134; p. 1929.
- Bronson, A., Simpson, Kans. Vegetable-cutter. No. 881,106; Mar. 10; Sp. p. 1226; Dr. pp. 263-4; Gaz. vol. 133; p. 237.
- Bronson, F. (See Matson and Bronson.)
- Bronson, S. E. (See Strong, M. H., assignor.)
- Brooke, J. C., Cincinnati, Ohio. Combined school desk and seat. No. 889,577; June 2; Sp. p. 768; Dr. p. 176; Gaz. vol. 134; p. 1181.
- Brooke, J. C., Cincinnati, Ohio. Assembly-chair. No. 889,578; June 2; Sp. p. 771; Dr. pp. 176-7; Gaz. vol. 134; p. 1181.
- Brooke, J. C., Cincinnati, Ohio. School desk and seat. No. 889,579; June 2; Sp. p. 773; Dr. p. 177; Gaz. vol. 134; p. 1181.
- Brooker, C. M. (See Van Briggie, E., assignor.)
- Brookfield Glass Company. (See Brookfield, H. M., assignor.)
- Brookfield, H. M., New York, N. Y., assignor to Brookfield Glass Company. Glass-furnace and appurtenances thereof. No. 883,779; Apr. 7; Sp. p. 192; Dr. pp. 35-6; Gaz. vol. 133; p. 1224.
- Brookfield, H. M., New York, N. Y., assignor to Brookfield Glass Company. Feeding molten glass for making glass insulators or similar articles. No. 889,354; June 2; Sp. p. 315; Dr. p. 75; Gaz. vol. 134; p. 1109.
- Brookings, W. D. (See La Follette, C. F., assignor.)
- Brooks, B. A., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 896,707; Aug. 25; Sp. p. 3828; Dr. pp. 828-9; Gaz. vol. 135; p. 1591.
- Brooks, B. A., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 897,269; Sept. 1; Sp. p. 13; Dr. pp. 3-4; Gaz. vol. 136; p. 5.
- Brooks, C. E., assignor to B. Roth Tool Company, St. Louis, Mo. Strip-feeding mechanism. No. 901,517; Oct. 20; Sp. p. 3053; Dr. pp. 623-4; Gaz. vol. 136; p. 1610.
- Brooks, C. R., Little Falls, Minn. Ventilator. No. 876,258; Jan. 7; Sp. p. 1110; Dr. pp. 240-1; Gaz. vol. 132; p. 188.
- Brooks, E. J., Sparta, Wis. Attachment for cultivators. No. 897,057; Aug. 25; Sp. p. 4623; Dr. p. 984; Gaz. vol. 135; p. 1711.
- Brooks, E. W., Chicago, Ill. Centrifugal pump. No. 877,484; Jan. 28; Sp. p. 3679; Dr. p. 798; Gaz. vol. 132; p. 687.
- Brooks, E. W., Chicago, Ill. Compound-piston centrifugal pump. No. 877,485; Jan. 28; Sp. p. 3683; Dr. p. 799; Gaz. vol. 132; p. 688.
- Brooks, F. M., New York, N. Y. Gas-regulator. No. 890,122; June 9; Sp. p. 1856; Dr. p. 409; Gaz. vol. 134; p. 1386.
- Brooks, G. H., assignor to Grauman, Beckman and Brooks, Louisville, Ky. Restoring attachment to trolley-wheels and electric signal for the same. No. 882,139; Mar. 17; Sp. p. 3304; Dr. p. 705; Gaz. vol. 133; p. 602.
- Brooks, H. A. (See Blaisdell and Brooks.)
- Brooks, H. A., assignor to Blaisdell Company, Los Angeles, Cal. Automatic overflow-gate. No. 884,564; Apr. 14; Sp. p. 1812; Dr. p. 349; Gaz. vol. 133; p. 1512.
- Brooks, H. C., San Jose, Cal. Bicycle-pump. No. 905,642; Dec. 1; Sp. p. 1061; Gaz. vol. 137; p. 1154.
- Brooks, J. C., Paterson, N. J. Needle-loom. No. 902,203; Oct. 27; Sp. p. 4458; Dr. p. 901; Gaz. vol. 136; p. 1861.
- Brooks, J. H., Pocahontas, Iowa. Vehicle-cover. No. 900,350; Oct. 6; Sp. p. 581; Dr. p. 121; Gaz. vol. 136; p. 1164.
- Brooks, J. P., Albany, N. Y. Eye for shoes, &c. No. 891,811; June 30; Sp. p. 5339; Dr. p. 1160; Gaz. vol. 134; p. 2036.
- Brooks, J. W., and J. H. Kinealy, Ferguson, Mo. Sheet to be used for printing publications. No. 883,157; Mar. 24; Sp. p. 5299; Dr. p. 1131; Gaz. vol. 133; p. 968.
- Brooks, L. H., assignor of one-half to T. H. Smith, New Orleans, La. Garment-supporter. No. 888,063; May 19; Sp. p. 3489; Dr. p. 731; Gaz. vol. 134; p. 626.
- Brooks, M., Urbana, Ill. Telephony. No. 879,439; Feb. 18; Sp. p. 3173; Dr. p. 661; Gaz. vol. 132; p. 1427.
- Brooks, M., and M. K. Akers, Urbana, Ill. Means for operating alternating-current machines in parallel. No. 876,686; Jan. 14; Sp. p. 2068; Dr. p. 449; Gaz. vol. 132; p. 366.
- Brooks, P. C. (See Griffith, S., assignor.)
- Brooks, P. L., Washington county, Kans. Wire-stretcher. No. 901,946; Oct. 27; Sp. p. 3926; Dr. p. 801; Gaz. vol. 136; p. 1779.
- Brooks, P. L., Washington county, Kans. Hog-gambrel. No. 901,947; Oct. 27; Sp. p. 3927; Dr. pp. 801-2; Gaz. vol. 136; p. 1779.
- Brooks, R., Ashuelot, N. H. Plate-handler. No. 895,334; Aug. 4; Sp. p. 1127; Dr. p. 237; Gaz. vol. 135; p. 1081.
- Brooks, R. A. (See Owen and Brooks.)
- Brooks, R. A., Chicago, Ill. Flushing-valve. No. 876,518; Jan. 14; Sp. p. 1696; Dr. pp. 369-70; Gaz. vol. 132; p. 308.
- Brooks, R. A., Chicago, Ill. Fluid-controlled flushing-valve. No. 882,740; Mar. 24; Sp. p. 4470; Dr. p. 952; Gaz. vol. 133; p. 831.
- Brooks, R. A., assignor to W. A. Christensen, Chicago, Ill. Spray. No. 877,045; Jan. 21; Sp. p. 2810; Dr. p. 608; Gaz. vol. 132; p. 524.
- Brooks, R. F., Lake City, Iowa. Incubator-heater. No. 876,142; Jan. 7; Sp. p. 894; Dr. p. 192; Gaz. vol. 132; p. 151.
- Brooks, R. F., Lake City, Iowa. Heating appliance for brooders. No. 892,396; July 7; Sp. p. 16; Dr. p. 5; Gaz. vol. 135; p. 6.
- Brooks, R. J., Cassopolis, Mich. Feed-bag. No. 880,438; Feb. 25; Sp. p. 5255; Dr. p. 1105; Gaz. vol. 132; p. 1789.
- Brooks Tire Machine Company. (See Hackney, I. M., assignor.)
- Broomall, E. W., Rochester, N. Y. Cream-separator. No. 904,600; Nov. 24; Sp. p. 4241; Gaz. vol. 137; p. 772.
- Broome, H., Springfield, assignor of two-thirds to W. Dennick, Dayton, and C. W. Flick, Springfield, Ohio. Machine for slicing meats. No. 884,893; Apr. 14; Sp. p. 2499; Dr. p. 528; Gaz. vol. 133; p. 1619.
- Broome, H., Springfield, assignor of two-thirds to W. Dennick, Dayton, and C. W. Flick, Springfield, Ohio. Tender for corn-harvesters. No. 895,721; Aug. 11; Sp. p. 1889; Dr. pp. 400-1; Gaz. vol. 135; p. 1231.
- Broome, I., Trenton, N. J. Rotary press. No. 899,691; Sept. 29; Sp. p. 4842; Dr. p. 1037; Gaz. vol. 136; p. 918.
- Broomell, A. P., York, assignor to Vapor Heating Company, Philadelphia, Pa. Valve. No. 907,729; Dec. 29; Sp. p. 5155; Gaz. vol. 137; p. 1953.
- Brown, W. R. (See Otto, N. E. and A. W., assignors.)
- Brophy, C. A., Hinsdale, Ill. Cover for pneumatic tires. No. 880,274; Feb. 25; Sp. p. 4925; Dr. p. 1042; Gaz. vol. 132; p. 1735.
- Brophy, L. V., Fort Wayne, Ind., assignor to Indiana Road Machine Company. Elevating-grader. No. 879,607; Feb. 18; Sp. p. 3545; Dr. p. 742; Gaz. vol. 132; p. 1491.
- Broshkewitz, C. F., Chicago, Ill. Lock. No. 903,170; Nov. 10; Sp. p. 1258; Gaz. vol. 137; p. 239.
- Brossmann, C., Indianapolis, Ind. Float-controlled balance-valve. No. 906,193; Dec. 8; Sp. p. 2118; Gaz. vol. 137; p. 1363.
- Brothen, A. A., Mountain Home, Idaho. Surveying instrument. No. 889,196; June 2; Sp. p. 17; Dr. p. 4; Gaz. vol. 134; p. 1060.
- Brothers, W., Cly, assignor of one-half to E. W. Spangler, (deceased,) York, Pa.; M. F. Spangler, Security Title and Trust Company, and York Trust Company, executors. Charge-forming device for internal-combustion engines. No. 876,519; Jan. 14; Sp. p. 1701; Dr. p. 370; Gaz. vol. 132; p. 308.
- Brothers, W. B., Iliopolis, Ill. Road-working machine. No. 886,182; Apr. 28; Sp. p. 5160; Dr. p. 1086; Gaz. vol. 133; p. 2098.
- Brothers, W. H., Dedham, Mass., assignor, by mesne assignments, to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 878,337; Feb. 4; Sp. p. 907; Dr. p. 181; Gaz. vol. 132; p. 995.
- Brott, J., Friendship, Wis. Wire reeling and unreeling machine. No. 907,963; Dec. 29; Sp. p. 5643; Gaz. vol. 137; p. 2029.
- Broughton, C. W., Carlton, Ill. Mail-pouch receiving and delivery apparatus for railway-cars. No. 880,008; Feb. 25; Sp. p. 4375; Dr. p. 918; Gaz. vol. 132; p. 1647.
- Broughton, C. W., Carlton, Ill. Mail-pouch-receiving apparatus for railway-cars. No. 895,421; Aug. 11; Sp. p. 1295; Dr. p. 272; Gaz. vol. 135; p. 1132.
- Broughton, C. W., Carlton, Ill. Mail-pouch receiving or delivering apparatus for railway-cars. No. 895,422; Aug. 11; Sp. p. 1297; Dr. p. 272; Gaz. vol. 135; p. 1133.

Alphabetical list of patentees—Continued.

- Broughton, D. M., Woodford Green, assignor of one-half to British Sigarera Limited, London, England. Frictional driving-gear. No. 885,684; Apr. 21; Sp. p. 4135; Dr. pp. 865-6; Gaz. vol. 133; p. 1906.
- Broussard, J., *et al.* (See Dufour, C., assignor.)
- Brousseau, G., Agen, France. Motor operated by liquefied carbon dioxide. No. 893,899; July 21; Sp. p. 3167; Dr. p. 651; Gaz. vol. 135; p. 557.
- Brouwers, J., Zeeland, Mich. Curd-mill. No. 878,114; Feb. 4; Sp. p. 445; Dr. p. 94; Gaz. vol. 132; p. 921.
- Brouwers, J., Zeeland, Mich. Curd-press and cooler. No. 893,435; July 14; Sp. p. 2115; Dr. p. 444; Gaz. vol. 135; p. 376.
- Brouyette, C. D., assignor of one-half to McEntire Bros., Topeka, Kans. Slat-bottom. No. 893,566; July 14; Sp. p. 2421; Dr. p. 504; Gaz. vol. 135; p. 418.
- Browald, A. C., Finley, Wis. Beehive-carrier. No. 905,643; Dec. 1; Sp. p. 1062; Gaz. vol. 137; p. 1154.
- Brower, B., assignor of one-half to T. A. Weber, New York, N. Y. Motor-vehicle. No. 907,104; Dec. 15; Sp. p. 3807; Gaz. vol. 137; p. 1678.
- Brower, W. A. (See Emens and Brower.)
- Brower, W. W. (See Hill and Brower.) (Reissue.)
- Brown, A., Carnegie, and A. W. Lawrence, Duquesne, Pa. Vending-machine. No. 876,143; Jan. 7; Sp. p. 895; Dr. p. 193; Gaz. vol. 132; p. 152.
- Brown, A. A., Salt Lake City, Utah. Safety-brake for elevators. No. 896,270; Aug. 18; Sp. p. 2949; Dr. p. 635; Gaz. vol. 135; p. 1429.
- Brown, A. B., Ipswich, S. D. Trap-nest. No. 889,898; June 9; Sp. p. 1395; Dr. pp. 316-17; Gaz. vol. 134; p. 1309.
- Brown, A. E., Cleveland, Ohio. Crane-boom. No. 899,005; Sept. 15; Sp. p. 3480; Dr. pp. 745-6; Gaz. vol. 136; p. 633.
- Brown, A. E., assignor to Brown Hoisting Machinery Company, Cleveland, Ohio. Equalizing-truck. No. 907,964; Dec. 29; Sp. p. 5644; Gaz. vol. 137; p. 2029.
- Brown, A. G., Spokane, Wash. Dumping-car. No. 882,621; Mar. 24; Sp. p. 4238; Dr. p. 898; Gaz. vol. 133; p. 793.
- Brown, A. L., Chicago, Ill. Self-supporting shelf for cook-stoves. No. 898,828; Sept. 15; Sp. p. 3160; Dr. pp. 677-8; Gaz. vol. 136; p. 576.
- Brown, A. L., assignor to Mellier Company, Perfumer, St. Louis, Mo. Box. No. 905,145; Dec. 1; Sp. p. 35; Gaz. vol. 137; p. 996.
- Brown, A. M., assignor of one-half to G. W. Stanchiff, Houston, Tex. Well-strainer. No. 890,598; June 16; Sp. p. 2837; Dr. p. 624; Gaz. vol. 134; p. 1573.
- Brown, A. T. (See Carhart, H. A., assignor.)
- Brown, A. T. (See Edlund, J. A., assignor.)
- Brown, A. T. (See Stillman, G. F., assignor.)
- Brown, A. T. (See Tomlinson, C. E., assignor.)
- Brown, A. T., Syracuse, N. Y. Type-writing machine. No. 882,993; Mar. 24; Sp. p. 4974; Dr. pp. 1058-9; Gaz. vol. 133; p. 914.
- Brown, A. T., Syracuse, N. Y. Type-writing machine. No. 885,716; Apr. 28; Sp. p. 4207; Dr. pp. 880-1; Gaz. vol. 133; p. 1945.
- Brown, A. T., Syracuse, N. Y. Type-writing machine. No. 886,759; May 5; Sp. p. 872; Dr. pp. 181-2; Gaz. vol. 134; p. 144.
- Brown, A. T., Syracuse, N. Y. Type-writing machine. No. 887,584; May 12; Sp. p. 2547; Dr. pp. 537-8; Gaz. vol. 134; p. 439.
- Brown, A. T., Syracuse, N. Y. Type-writing machine. No. 903,444; Nov. 10; Sp. p. 1804; Gaz. vol. 137; p. 328.
- Brown, A. T., Syracuse, N. Y. Type-writing machine. No. 907,730; Dec. 29; Sp. p. 5157; Gaz. vol. 137; p. 1953.
- Brown, A. T., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Power-transmitting mechanism. No. 876,937; Jan. 21; Sp. p. 2566; Dr. p. 560; Gaz. vol. 132; p. 486.
- Brown, A. T., and A. J. Briggs, Syracuse, N. Y.; said Briggs assignor to said Brown. Type-writing machine. No. 889,102; May 26; Sp. p. 5599; Dr. p. 1186; Gaz. vol. 134; p. 996.
- Brown, A. T., and C. E. Tomlinson, Syracuse, N. Y.; said Tomlinson assignor to said Brown. Type-writing machine. No. 903,442; Nov. 10; Sp. p. 1797; Gaz. vol. 137; p. 327.
- Brown, A. T., and J. H. Barr; said Barr assignor of his right to Smith Premier Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 903,443; Nov. 10; Sp. p. 1801; Gaz. vol. 137; p. 328.
- Brown Automatic Indicator Company. (See Brown, G., assignor.)
- Brown, B. A., Churchville, N. Y. Fuse. No. 891,323; June 23; Sp. p. 4331; Dr. p. 944; Gaz. vol. 134; p. 1842.
- Brown, B. F., Bridgeton, Ind. Dumping-cart. No. 878,115; Feb. 4; Sp. p. 446; Dr. p. 94; Gaz. vol. 132; p. 921.
- Brown, B. F., Litchfield, Ill. Trap-nest. No. 891,666; June 23; Sp. p. 5058; Dr. p. 1091; Gaz. vol. 134; p. 1956.
- Brown, B. F., Lyndonville, Vt. Rail-handling machine. No. 907,455; Dec. 22; Sp. p. 4564; Gaz. vol. 137; p. 1835.
- Brown, B. W., Holidaysburg, Pa. Ice-cream mold. No. 889,899; June 9; Sp. p. 1396; Dr. p. 317; Gaz. vol. 134; p. 1310.
- Brown Bag-Filling Machine Company. (See Brown J. R., assignor.)
- Brown & Bailey Company. (See Brown, H. T., assignor.) (Reissue.)
- Brown & Bigelow. (See Fales, E. D., assignor.)
- Brown-Binnian Company. (See Spiller, H. A., assignor.)
- Brown, C., *et al.* (See Thomson and Cody, assignors.)
- Brown, C. A., Chicago, Ill. Alternating-current wattmeter. No. 907,567; Dec. 22; Sp. p. 4757; Gaz. vol. 137; p. 1869.
- Brown, C. A., Chicago, Ill. Alternating-current wattmeter. No. 907,568; Dec. 22; Sp. p. 4760; Gaz. vol. 137; p. 1869.
- Brown, C. C., Chambersburg, Pa. Cheese-cabinet. No. 899,945; Sept. 29; Sp. p. 5397; Dr. p. 1151; Gaz. vol. 136; p. 1001.
- Brown, C. E., and W. J. Gibbs, Denver, Colo. Wood-trimming machine. (Reissue.) No. 12,703; Mar. 17; Sp. p. 4086; Dr. p. 868; Gaz. vol. 133; p. 736.
- Brown, C. E. L., assignor to Actiengesellschaft Brown, Boveri & Co., Baden, Switzerland. Automatic alternating-current contact apparatus. No. 884,066; Apr. 7; Sp. p. 798; Dr. p. 168; Gaz. vol. 133; p. 1321.
- Brown, C. F., trustee. (See Noyes, E. P., assignor.)
- Brown, C. F., trustee. (See Noyes and Reeve, assignors.)
- Brown, C. F., trustee. (See Reeve, S. A., assignor.)
- Brown, C. J. (See Scott, King, and Brown.)
- Brown, C. P., Ronceverte, V. Va. Rail-joint. No. 899,655; Sept. 29; Sp. p. 4775; Dr. p. 1022; Gaz. vol. 136; p. 907.
- Brown, C. R., assignor of one-half to I. Alexander, Kansas City, Mo. Jug-holder. No. 882,231; Mar. 17; Sp. p. 3494; Dr. p. 741; Gaz. vol. 133; p. 630.
- Brown, C. T. (See Beck, J. C., assignor.)
- Brown, C. T. (See Krause, H. C., assignor.)
- Brown, C. W., Jackson, Mich., assignor to Wyckoff, Seamans & Benedict, Iilon, N. Y. Type-writing machine. No. 895,238; Aug. 4; Sp. p. 937; Dr. pp. 197-8; Gaz. vol. 135; p. 1049.
- Brown, D. (See Downie and Brown.)
- Brown, D. J. (See Bragg, F. A., assignor.)
- Brown, D. L. (See Norris and Brown.)
- Brown, E., Fort Hunter, N. Y. Broom. No. 898,629; Sept. 15; Sp. p. 2801; Dr. p. 599; Gaz. vol. 136; p. 512.
- Brown, E., assignor of one-half to G. A. Chapman and C. E. Scriber, Colfax, and W. S. Yearsley, Spokane, Wash. Roller-mill. No. 888,581; May 26; Sp. p. 4517; Dr. p. 957; Gaz. vol. 134; p. 827.
- Brown, E. A., Wealdstone, England. Pipe-bender. No. 835,139; Apr. 21; Sp. p. 3023; Dr. p. 637; Gaz. vol. 133; p. 1731.
- Brown, E. C., Rochester, N. Y. Spray-nozzle. No. 903,953; Nov. 17; Sp. p. 2886; Gaz. vol. 137; p. 527.
- Brown, E. J., assignor to F. J. Langer and R. B. Moser, Cleveland, Ohio. Flushing device for sinks, &c. No. 895,955; Aug. 11; Sp. p. 2356; Dr. p. 503; Gaz. vol. 135; p. 1305.
- Brown, E. M., Ashtabula, Ohio. Trap-nest. No. 902,370; Oct. 27; Sp. p. 4819; Dr. p. 973; Gaz. vol. 136; p. 1917.
- Brown, F. C., New Brighton, N. Y. Fountain-pen. No. 901,948; Oct. 27; Sp. p. 3928; Dr. p. 802; Gaz. vol. 136; p. 1780.
- Brown, F. D., Sandlake, N. Y. Fountain-pen holder. No. 905,789; Dec. 1; Sp. p. 1330; Gaz. vol. 137; p. 1202.
- Brown, F. H. (See Brown, F. H. and F. H.)
- Brown, F. H., Philadelphia, Pa. Automatic regulating mechanism for secondary combustion. No. 905,644; Dec. 1; Sp. p. 1064; Gaz. vol. 137; p. 1154.
- Brown, F. H., Philadelphia, Pa., assignor to Combustion Engineering Company. Combustion and damper regulator for furnaces. No. 883,283; Mar. 31; Sp. p. 5570; Dr. pp. 1188-9; Gaz. vol. 133; p. 1039.
- Brown, F. H., Philadelphia, Pa., assignor to Combustion Engineering Company. Automatic governing mechanism. No. 883,284; Mar. 31; Sp. p. 5574; Dr. p. 1189; Gaz. vol. 133; p. 1040.
- Brown, F. H., Philadelphia, Pa., assignor to Combustion Engineering Company. Automatic governing mechanism for constant fluid-pressure. No. 895,239; Aug. 4; Sp. p. 948; Dr. p. 198; Gaz. vol. 135; p. 1050.
- Brown, F. H. and F. H., Portland, Ore. Elevator. No. 891,140; June 16; Sp. p. 3929; Dr. p. 860; Gaz. vol. 134; p. 1749.
- Brown, F. H. and F. H., Portland, Ore. Unloading apparatus. No. 901,949; Oct. 27; Sp. p. 3931; Dr. p. 802; Gaz. vol. 136; p. 1780.
- Brown, F. H., J. E. Hanrahan, Baltimore, and G. A. Boyden, Mount Washington, assignors to National Compositype Company, Baltimore, Md. Means for casting type. No. 878,185; Feb. 4; Sp. p. 612; Dr. p. 126; Gaz. vol. 132; p. 945.
- Brown, F. L., and I. W. Sprink, Scottsdale, Pa. Grease-cup. No. 901,679; Oct. 20; Sp. p. 3372; Dr. p. 691; Gaz. vol. 136; p. 1662.
- Brown, F. R., Rural Retreat, Va. Chuck. No. 877,046; Jan. 21; Sp. p. 2814; Dr. p. 608; Gaz. vol. 132; p. 524.
- Brown, F. R., Pawnee City, Nebr. Manure-loader. No. 895,960; Sept. 15; Sp. p. 3399; Dr. pp. 729-30; Gaz. vol. 136; p. 619.

Alphabetical list of patentees—Continued.

- Brown, F. S. (See Cleveland and Brown.)
 Brown, F. W. (See Brown, R. T., assignor.)
 Brown, G., Sarnia, Ontario, Canada, assignor to Brown Automatic Indicator Company, Port Huron, Mich. Indicator. No. 902,554; Nov. 3; Sp. p. 40; Gaz. vol. 137; p. 7.
 Brown, G. C., Leechburg, Pa. Rail-joint. No. 882,291; Mar. 17; Sp. p. 3612; Dr. p. 765; Gaz. vol. 133; p. 651.
 Brown, G. H., Belfast, Ireland. Electrical block-signaling system for railways. No. 906,861; Dec. 15; Sp. p. 3380; Gaz. vol. 137; p. 1602.
 Brown, G. R., Elmira, N. Y. Smoke-pipe radiator. No. 908,200; Dec. 29; Sp. p. 6159; Gaz. vol. 137; p. 2110.
 Brown, G. W., Lexington, Ky. Headlight. No. 879,727; Feb. 18; Sp. p. 3782; Dr. p. 793; Gaz. vol. 132; p. 1521.
 Brown, G. W., Junction City, Kans. Harness attachment. No. 891,591; June 23; Sp. p. 4834; Dr. p. 1052; Gaz. vol. 134; p. 1929.
 Brown, G. W., Ledgesdale, Pa. Rotary engine. No. 895,841; Aug. 11; Sp. p. 2139; Dr. p. 454; Gaz. vol. 135; p. 1269.
 Brown, H., Brandt, Ohio. Water-motor. No. 905,838; Dec. 8; Sp. p. 1437; Gaz. vol. 137; p. 1249.
 Brown, H. A., Lehigh, Iowa. Pneumatic wheel and hub. No. 877,629; Jan. 28; Sp. p. 3995; Dr. p. 863; Gaz. vol. 132; p. 736.
 Brown, H. E., Goldthwaite, Tex. Gearing for windmills. No. 877,701; Jan. 28; Sp. p. 4126; Dr. p. 393; Gaz. vol. 132; p. 759.
 Brown, H. E., Goldthwaite, Tex. Windmill-oiler. No. 881,896; Mar. 17; Sp. p. 2824; Dr. p. 603; Gaz. vol. 133; p. 523.
 Brown, H. E., Fertile, Mo. Twine-holder. No. 904,401; Nov. 17; Sp. p. 3813; Gaz. vol. 137; p. 679.
 Brown, H. G., Montreal, Quebec, Canada. Transporting system. No. 886,472; May 5; Sp. p. 262; Dr. pp. 55-6; Gaz. vol. 134; p. 48.
 Brown, H. H., Boston, Mass. Magneto for sparking mechanisms. No. 881,460; Mar. 10; Sp. p. 1926; Dr. p. 420; Gaz. vol. 133; p. 352.
 Brown, H. H., Stewart, Ohio. Measuring apparatus for indicating depths. No. 900,351; Oct. 6; Sp. p. 553; Dr. p. 121; Gaz. vol. 136; p. 1164.
 Brown, H. N., Philadelphia, Pa., and J. B. N. Cardoza, assignors of one-half to E. C. Hathaway and W. R. Allen, Norfolk, Va. Railway-fare receipt-ticket. No. 876,294; Jan. 7; Sp. p. 1195; Dr. p. 261; Gaz. vol. 132; p. 201.
 Brown, H. P., and C. L. Johnston, San Francisco, Cal., assignors to F. B. Redington, Chicago, Ill. Sheet-delivery mechanism for printing-presses. No. 881,223; Mar. 10; Sp. p. 1459; Dr. p. 314; Gaz. vol. 133; p. 276.
 Brown, H. T., *et al.* (See Creed, F. G., assignor.)
 Brown, H. T., Moorestown, N. J., assignor to Brown & Bailey Company, Philadelphia, Pa. Collapsible box. (Reissue.) No. 12,770; Mar. 31; Sp. p. 6396; Dr. p. 1363; Gaz. vol. 133; p. 1166.
 Brown, H. W., Waterbury, Conn. Level. No. 892,217; June 30; Sp. p. 6149; Dr. p. 1325; Gaz. vol. 134; p. 2168.
 Brown, H. W., Waterbury, Conn. Time-switch for electric circuits. No. 897,711; Sept. 1; Sp. p. 951; Dr. pp. 203-4; Gaz. vol. 136; p. 153.
 Brown, H. W., Richardson, Miss. Mail-bag catching and delivering apparatus. No. 901,150; Oct. 13; Sp. p. 2247; Dr. pp. 456-7; Gaz. vol. 136; p. 1452.
 Brown Hoisting Machinery Company. (See Brown, A. E., assignor.)
 Brown, I. A., Cleveland, Ohio. Folding trellis. No. 905,983; Dec. 8; Sp. p. 1720; Gaz. vol. 137; p. 1294.
 Brown, J. (See Hogg, W. L., assignor.)
 Brown, J., Livermore, and W. H. Shelbourne, Russellville, Ky. Railway cattle-guard. No. 886,937; May 5; Sp. p. 1196; Dr. p. 253; Gaz. vol. 134; p. 198.
 Brown, J. F., Toledo, Ohio. Swinging electric bracket. No. 878,498; Feb. 11; Sp. p. 1292; Dr. p. 261; Gaz. vol. 132; p. 1082.
 Brown, J. F., New York, N. Y. Puzzle. No. 905,839; Dec. 8; Sp. p. 1439; Gaz. vol. 137; p. 1249.
 Brown, J. G., Kingston, N. Y. Rock-crusher. No. 885,717; Apr. 28; Sp. p. 4212; Dr. p. 881; Gaz. vol. 133; p. 1945.
 Brown, J. H. (See Dickie and Brown, assignors.)
 Brown, J. H., Independence, Kans. Door-latch. No. 880,006; Feb. 25; Sp. p. 4372; Dr. p. 917; Gaz. vol. 132; p. 1646.
 Brown, J. H., Jersey City, N. J. Gun and projectile therefor. No. 895,154; Aug. 4; Sp. p. 751; Dr. p. 156; Gaz. vol. 135; p. 1019.
 Brown, J. H., New York, N. Y. Rack. No. 896,798; Aug. 25; Sp. p. 4039; Dr. p. 870; Gaz. vol. 135; p. 1623.
 Brown, J. H., Keene, N. H. Vent-pipe attachment. No. 899,291; Sept. 22; Sp. p. 4060; Dr. p. 868; Gaz. vol. 136; p. 754.
 Brown, J. H., assignor of three-fourths to J. Krusi, and A. and J. Lazarus, New York, N. Y. Burglar-alarm. No. 893,436; July 14; Sp. p. 2116; Dr. p. 444; Gaz. vol. 135; p. 376.
 Brown, J. L., Cripple Creek, Colo. Releasing mechanism for grinding-mills and disk pulverizers. No. 898,309; Sept. 8; Sp. p. 2167; Dr. p. 400; Gaz. vol. 136; p. 374.
 Brown, J. J., Martin Mills, Tex. Nut-lock. No. 906,377; Dec. 8; Sp. p. 2462; Gaz. vol. 137; p. 1423.
 Brown, J. J., Bastrop, assignor of one-half to H. J. Brodnax, Monroe, La. Nut-lock. No. 889,755; June 2; Sp. p. 1111; Dr. p. 258; Gaz. vol. 134; p. 1237.
 Brown, J. J., Jr., Troy, Ill. Roasting and smelting furnace. No. 888,582; May 26; Sp. p. 4519; Dr. p. 958; Gaz. vol. 134; p. 828.
 Brown, J. M., Mansfield, Ohio. Gate-valve. No. 903,354; Nov. 10; Sp. p. 1633; Gaz. vol. 137; p. 299.
 Brown, J. M., assignor to Boston Bottle Wiring & Labeling Company, Boston, Mass. Label-affixing machine. No. 889,753; June 2; Sp. p. 1104; Dr. pp. 253-7; Gaz. vol. 134; p. 1236.
 Brown, J. M., assignor to Boston Bottle Wiring & Labeling Company, Boston, Mass. Label-affixing machine. No. 889,754; June 2; Sp. p. 1109; Dr. p. 257; Gaz. vol. 134; p. 1237.
 Brown, J. P., South Yarmouth, Mass. Meat-press. No. 890,329; June 9; Sp. p. 2307; Dr. p. 510; Gaz. vol. 134; p. 1454.
 Brown, J. R. (See Blaisdell and Brown.)
 Brown, J. R., Moultrie, Ga. Caster. No. 877,486; Jan. 28; Sp. p. 3685; Dr. p. 799; Gaz. vol. 132; p. 689.
 Brown, J. R., Washington, D. C., assignor to Brown Bag-Filling Machine Company, Fitchburg, Mass. Assembling apparatus. No. 877,900; Feb. 4; Sp. p. 6; Dr. p. 1; Gaz. vol. 132; p. 850.
 Brown, J. T., Marblehead, Mass., assignor, by mesne assignments, to Krentler-Arnold Hinge Last Company, Detroit, Mich. Apparatus for forming sectional lasts. No. 906,378; Dec. 8; Sp. p. 2463; Gaz. vol. 137; p. 1423.
 Brown, J. W. (See Mills, G. B., assignor.)
 Brown, J. W., Winooski, Tex. Flue-cleaner. No. 903,664; Nov. 10; Sp. p. 2267; Gaz. vol. 137; p. 400.
 Brown, J. Y., Providence, Ky. Attachment for bow instruments. No. 881,769; Mar. 10; Sp. p. 2529; Dr. p. 544; Gaz. vol. 133; p. 451.
 Brown, L. D., Butler, Pa. Manufacture of drills or bits. No. 894,589; July 28; Sp. p. 4608; Dr. p. 955; Gaz. vol. 135; p. 806.
 Brown, L. H. (See Newell, C. L., assignor.)
 Brown, L. K., Asotin, Wash. Steam-driven combined heading and threshing machine. No. 901,588; Oct. 20; Sp. p. 3191; Dr. pp. 650-3; Gaz. vol. 136; p. 1633.
 Brown, L. P., Chicago, Ill. Box-machine. No. 899,506; Sept. 29; Sp. p. 4457; Dr. p. 957; Gaz. vol. 136; p. 859.
 Brown, L. S., Derby, Conn. Box-tool for screw and forming machines. No. 892,130; June 30; Sp. p. 5974; Dr. p. 1284; Gaz. vol. 134; p. 2139.
 Brown, L. W., Bakersfield, Cal. Oil-cleaning apparatus. No. 879,728; Feb. 18; Sp. p. 3783; Dr. pp. 793-4; Gaz. vol. 132; p. 1522.
 Brown, L. W., Bakersfield, Cal. Apparatus for oil-wells. No. 894,590; July 28; Sp. p. 4609; Dr. p. 956; Gaz. vol. 135; p. 806.
 Brown-Lipe Gear Company. (See Brown, A. T., assignor.)
 Brown-Lipe Gear Company. (See Sponable, G. W., assignor.)
 Brown, M., Richmond, Mo. Grain-binder attachment. No. 876,520; Jan. 14; Sp. p. 1704; Dr. p. 370; Gaz. vol. 132; p. 309.
 Brown, M., Richmond, Mo. Drinking-trough. No. 894,312; July 28; Sp. p. 4060; Dr. p. 838; Gaz. vol. 135; p. 715.
 Brown, M., assignor to Hazen-Brown Company, Brockton, Mass. Cement. No. 879,241; Feb. 18; Sp. p. 2763; Gaz. vol. 132; p. 1363.
 Brown, M. A., Savannah, Ga. Non-refillable bottle. No. 876,259; Jan. 7; Sp. p. 1112; Dr. p. 241; Gaz. vol. 132; p. 188.
 Brown, M. A., Savannah, Ga. Non-refillable bottle. No. 876,260; Jan. 7; Sp. p. 1114; Dr. p. 241; Gaz. vol. 132; p. 188.
 Brown, M. E., Pittsburg, Pa. Safety watch-pocket. No. 897,058; Aug. 25; Sp. p. 4625; Dr. p. 984; Gaz. vol. 135; p. 1711.
 Brown, M. J., Chicago, Ill. Bottle-neck check-valve. No. 882,622; Mar. 24; Sp. p. 4240; Dr. p. 898; Gaz. vol. 133; p. 793.
 Brown, M. W., Galveston, Tex. Flexible joint. No. 892,930; July 7; Sp. p. 1089; Dr. p. 229; Gaz. vol. 135; p. 181.
 Brown, N. P., *et al.* (See Creed, F. G., assignor.)
 Brown, N. S., Wigan, England. Clearer for preparing frames for cotton and other fibers. No. 880,007; Feb. 25; Sp. p. 4374; Dr. p. 917; Gaz. vol. 132; p. 1646.
 Brown, O., Sacramento, Cal. Paddle-wheel. No. 880,353; Feb. 25; Sp. p. 5066; Dr. p. 1070; Gaz. vol. 132; p. 1760.
 Brown, O. A., Wichita, Kans. Ticket printer and register. No. 891,521; June 23; Sp. p. 4742; Dr. p. 1027; Gaz. vol. 134; p. 1908.
 Brown, O. E., Andalusia, Ill. Gate. No. 880,624; Mar. 3; Sp. p. 276; Dr. p. 59; Gaz. vol. 133; p. 48.
 Brown, O. E., Washington, Iowa. Window-ventilator and curtain-fixture. No. 885,140; Apr. 21; Sp. p. 3024; Dr. p. 638; Gaz. vol. 133; p. 1731.
 Brown, O. E., assignor of one-fourth to L. Vasbinder, Buffalo, N. Y. Water-motor. No. 885,141; Apr. 21; Sp. p. 3025; Dr. p. 638; Gaz. vol. 133; p. 1731.
 Brown, O. E., and A. M. Field, Tulare, Cal.; said Brown assignor to said Field. Oil-burner. No. 881,540; Mar. 10; Sp. p. 2077; Dr. p. 454; Gaz. vol. 133; p. 378.
 Brown, O. S., Milwaukee, Wis. Adjustable window-shade fixture. No. 900,477; Oct. 6; Sp. p. 867; Dr. p. 177; Gaz. vol. 136; p. 1207.
 Brown, P., Wilmington, Del. Car-coupling. No. 898,961; Sept. 15; Sp. p. 3401; Dr. pp. 730-1; Gaz. vol. 136; p. 619.
 Brown, P., Troy, Idaho. Condenser. No. 900,827; Oct. 13; Sp. p. 1619; Dr. p. 328; Gaz. vol. 136; p. 1349.
 Brown, P. A., Denver, Colo. Thermostat. No. 889,355; June 2; Sp. p. 317; Dr. p. 75; Gaz. vol. 134; p. 1109.

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- Brown, P. A., Denver, Colo. Electric heater and means for controlling the same. No. 891,400; June 23; Sp. p. 4497; Dr. pp. 978-9; Gaz. vol. 134; p. 1868.
- Brown, P. C., Boston, Mass., assignor of one-half to F. J. Russell, New York, N. Y. Electrical plug and receptacle. No. 881,371; Mar. 10; Sp. p. 1767; Dr. p. 381; Gaz. vol. 133; p. 324.
- Brown, P. H., Temple, Tex. Capsule-filler. No. 906,504; Dec. 15; Sp. p. 2693; Gaz. vol. 137; p. 1490.
- Brown, R., Belfast, Ireland. Sewing-machine. No. 892,643; July 7; Sp. p. 487; Dr. pp. 103-4; Gaz. vol. 135; p. 87.
- Brown, R., Westminster, London, England. Switch-operating mechanism. No. 904,042; Nov. 17; Sp. p. 3053; Gaz. vol. 137; p. 556.
- Brown, R. B., Milwaukee, Wis. Furnace-charging machine. No. 898,089; Sept. 8; Sp. p. 1750; Dr. p. 372; Gaz. vol. 136; p. 307.
- Brown, R. D., assignor of one-half to R. H. Riffe, Muncie, Ind. Glass-gathering machine. No. 904,402; Nov. 17; Sp. p. 3815; Gaz. vol. 137; p. 680.
- Brown, R. H., Lawrence, Mass. Portable developing-cabinet. No. 903,052; Nov. 3; Sp. p. 1047; Gaz. vol. 137; p. 171.
- Brown, R. R., Livermore, Cal. Motor for automobiles. No. 876,769; Jan. 14; Sp. p. 2203; Dr. p. 484; Gaz. vol. 132; p. 391.
- Brown, R. S., New Britain, Conn. Work-rack. No. 904,175; Nov. 17; Sp. p. 3354; Gaz. vol. 137; p. 604.
- Brown, R. S., assignor to New Britain Machine Company, New Britain, Conn. File clamp and guide. No. 891,807; June 23; Sp. p. 5336; Dr. p. 1154; Gaz. vol. 134; p. 2004.
- Brown, R. S., assignor to New Britain Machine Company, New Britain, Conn. Mortising-machine. No. 896,355; Aug. 18; Sp. p. 3126; Dr. pp. 672-4; Gaz. vol. 135; p. 1455.
- Brown, R. S., assignor to New Britain Machine Company, New Britain, Conn. Work-support for mortising-machines. No. 896,356; Aug. 18; Sp. p. 3136; Dr. pp. 674-5; Gaz. vol. 135; p. 1456.
- Brown, R. S., assignor to New Britain Machine Company, New Britain, Conn. Machine for sharpening cutter-teeth. No. 896,357; Aug. 18; Sp. p. 3141; Dr. p. 675; Gaz. vol. 135; p. 1456.
- Brown, R. S., assignor to New Britain Machine Company, New Britain, Conn. Wheeled truck. No. 907,569; Dec. 22; Sp. p. 4762; Gaz. vol. 137; p. 1870.
- Brown, R. T., assignor of one-half to F. W. Brown, Boston, Mass. Concrete construction. No. 902,204; Oct. 27; Sp. p. 4459; Dr. p. 902; Gaz. vol. 136; p. 1862.
- Brown, S., London, England. Flexible form for holding and assembling type. No. 876,521; Jan. 14; Sp. p. 1706; Dr. p. 370; Gaz. vol. 132; p. 309.
- Brown, S., London, England. Flexible-strip form for holding type. No. 876,522; Jan. 14; Sp. p. 1707; Dr. p. 371; Gaz. vol. 132; p. 309.
- Brown, S., London, England. Printing-machine. No. 887,763; May 19; Sp. p. 2901; Dr. pp. 611-12; Gaz. vol. 134; p. 527.
- Brown, S., St. Louis, Mo. Surface-trimming machine. No. 876,938; Jan. 21; Sp. p. 2572; Dr. pp. 560-1; Gaz. vol. 132; p. 486.
- Brown, S., Pittsburg, Kans. Composition of matter. No. 885,976; Apr. 28; Sp. p. 4761; Gaz. vol. 133; p. 2033.
- Brown, S., New York, N. Y. Printing-machine. No. 891,980; June 30; Sp. p. 5704; Dr. p. 1228; Gaz. vol. 134; p. 2092.
- Brown, S., New York, N. Y. Paper-feeding device for printing-machines. No. 892,358; June 30; Sp. p. 6413; Dr. p. 1384; Gaz. vol. 134; p. 2212.
- Brown, S., New York, N. Y. Type-holding device for printing-machines. No. 893,977; July 21; Sp. p. 3339; Dr. p. 684; Gaz. vol. 135; p. 584.
- Brown, S., assignor to Nashawannuck Mfg. Co., Easthampton, Mass. Man's suspenders. No. 904,176; Nov. 17; Sp. p. 3356; Gaz. vol. 137; p. 604.
- Brown, S. A. (See O'Donnell, F., assignor.)
- Brown, S. B., Cincinnati, Ohio. Coaster. No. 885,977; Apr. 28; Sp. p. 4762; Dr. p. 1000; Gaz. vol. 133; p. 2033.
- Brown, S. G., London, England. Galvanometer. No. 881,880; Mar. 10; Sp. p. 2773; Dr. p. 595; Gaz. vol. 133; p. 490.
- Brown, S. H., Lockhart, Tex. Tag. No. 882,452; Mar. 17; Sp. p. 3890; Dr. p. 831; Gaz. vol. 133; p. 704.
- Brown, S. H., Jersey City, N. J., and W. E. McPherson, Albany, N. Y. Berth-curtain. No. 894,810; Aug. 4; Sp. p. 9; Dr. pp. 2-3; Gaz. vol. 135; p. 903.
- Brown, S. L., Mamaroneck, N. Y. Came-lead. No. 896,196; Aug. 18; Sp. p. 2802; Dr. p. 604; Gaz. vol. 135; p. 1403.
- Brown, S. S., Waterville, Me. Fastening device for outside windows. No. 897,871; Sept. 8; Sp. p. 1288; Dr. p. 275; Gaz. vol. 136; p. 235.
- Brown, S. W., Colorado Springs, Colo. Chute. No. 888,386; May 19; Sp. p. 4098; Dr. p. 865; Gaz. vol. 134; p. 729.
- Brown & Sharpe M'fg. Co. (See Ljunglof, L., assignor.)
- Brown & Sharpe Manufacturing Company. (See Spalding, F., assignor.)
- Brown & Sharpe Manufacturing Company. (See Thacher, J. J., assignor.)
- Brown & Sharpe Manufacturing Company. (See Wingo, R. T., assignor.)
- Brown-St. Onge Company. (See St. Onge, A., assignor.)
- Brown, T., assignor to Richardson Manufacturing Company, Worcester, Mass. Manure-spreader. No. 907,124; Dec. 22; Sp. p. 3882; Gaz. vol. 137; p. 1721.
- Brown, T. G., Buckland, Va. Mail-box signal. No. 878,036; Feb. 4; Sp. p. 297; Dr. p. 63; Gaz. vol. 132; p. 896.
- Brown, T. N., Jackson, Mont. Churn. No. 904,935; Nov. 24; Sp. p. 4959; Gaz. vol. 137; p. 884.
- Brown, T. P., assignor to Simplex Piano Player Company, Worcester, Mass. Pneumatically-operated musical instrument. No. 882,623; Mar. 24; Sp. p. 4242; Dr. p. 899; Gaz. vol. 133; p. 793.
- Brown, T. P., assignor to Simplex Piano Player Co., Worcester, Mass. Tracker. No. 902,555; Nov. 3; Sp. p. 42; Gaz. vol. 137; p. 8.
- Brown, T. R., assignor to American Car & Foundry Company, St. Louis, Mo. Railway passenger-car. No. 882,927; Mar. 24; Sp. p. 4850; Dr. pp. 1029-31; Gaz. vol. 133; p. 893.
- Brown, W., West Bridgewater, Pa. Nut-lock. No. 895,335; Aug. 4; Sp. p. 1128; Dr. p. 237; Gaz. vol. 135; p. 1081.
- Brown, W. C., Terre Haute, Ind. Combined lock and latch. No. 884,460; Apr. 14; Sp. p. 1598; Dr. pp. 344-5; Gaz. vol. 133; p. 1478.
- Brown, W. F., Baltimore, Md. Nut-lock. No. 882,369; Mar. 17; Sp. p. 3754; Dr. p. 799; Gaz. vol. 133; p. 677.
- Brown, W. F., Worcester, Mass. Drive-chain. No. 902,205; Oct. 27; Sp. p. 4461; Dr. p. 902; Gaz. vol. 136; p. 1862.
- Brown, W. H., Minneapolis, Minn. Feed-water heater. No. 879,362; Feb. 18; Sp. p. 3000; Dr. p. 627; Gaz. vol. 132; p. 1402.
- Brown, W. H., Newark, Ohio. Device for operating head-lights. No. 893,139; July 14; Sp. p. 1532; Dr. p. 323; Gaz. vol. 135; p. 280.
- Brown, W. H., Newark, Ohio. Safety-stop for locomotives. No. 894,113; July 21; Sp. p. 3612; Dr. pp. 744-5; Gaz. vol. 135; p. 629.
- Brown, W. L. (See Allspaw, J. M., assignor.)
- Brown, W. L., assignor to Shaw-Kendall Engineering Company, Toledo, Ohio. Heating and bending pipes. No. 886,036; Apr. 28; Sp. p. 4900; Dr. p. 1030; Gaz. vol. 133; p. 2052.
- Brown, W. M. (See Beahen and Brown.)
- Brown, W. M., Gibsonburg, Ohio. Hoisting-machine. No. 897,581; Sept. 1; Sp. p. 699; Dr. p. 147; Gaz. vol. 136; p. 110.
- Brown, W. M., Gibsonburg, Ohio. Hoisting-machine. No. 900,979; Oct. 13; Sp. p. 1937; Dr. p. 394; Gaz. vol. 136; p. 1397.
- Brown, W. M., Crookston, Minn. Excavating-machine. No. 900,659; Oct. 6; Sp. p. 1261; Dr. pp. 257-8; Gaz. vol. 136; p. 1266.
- Brown, W. M., Johnstown, Pa., assignor to Lorain Steel Company. Universal switch-box. No. 901,776; Oct. 20; Sp. p. 3603; Dr. pp. 729-30; Gaz. vol. 136; p. 1605.
- Brown, W. R., La Fayette, Ind., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Non-interfering party-line telephone system. No. 876,434; Jan. 14; Sp. p. 1506; Dr. p. 324; Gaz. vol. 132; p. 278.
- Brown, W. S., et al. (See Martin, G., assignor.)
- Brown, W. S., New York, N. Y. Flexible conduit. No. 882,292; Mar. 17; Sp. p. 3613; Dr. p. 766; Gaz. vol. 133; p. 651.
- Brown, W. S., New York, N. Y. Box connection. No. 895,423; Aug. 11; Sp. p. 1300; Dr. p. 273; Gaz. vol. 135; p. 1133.
- Brown, W. S., Knoxville, Tenn. Locomotive valve-gear. No. 901,066; Oct. 13; Sp. p. 2096; Dr. p. 426; Gaz. vol. 136; p. 1426.
- Brown, W. S., Deerfield, Ind. Ice-shaver. No. 903,053; Nov. 3; Sp. p. 1049; Gaz. vol. 137; p. 171.
- Brown, W. Y., Berwick, Nova Scotia, Canada. Lock or latch. No. 876,323; Jan. 14; Sp. p. 1260; Dr. pp. 273-4; Gaz. vol. 132; p. 241.
- Brown, W. W., Schenectady, N. Y., assignor to General Electric Company. Time-limit circuit-closer. No. 892,576; July 7; Sp. p. 349; Dr. p. 77; Gaz. vol. 135; p. 65.
- Brown, W. W., and A. G. Clark, Schenectady, N. Y., assignors to General Electric Company. Semaphore-signal. No. 894,591; July 28; Sp. p. 4611; Dr. pp. 956-7; Gaz. vol. 135; p. 806.
- Brown, W. Z., Peoria, Ill. Water cut-off. No. 876,687; Jan. 14; Sp. p. 2069; Dr. p. 450; Gaz. vol. 132; p. 366.
- Brown, Z. R., Lodi, N. Y. Bag-holder. No. 878,336; Feb. 4; Sp. p. 906; Dr. p. 181; Gaz. vol. 132; p. 995.
- Brown, Z. T., Thompson, Pa. Stamp-affixer. No. 890,330; June 9; Sp. p. 2308; Dr. p. 510; Gaz. vol. 134; p. 1454.
- Brownback, H. L., Norristown, Pa. Spark-plug. No. 907,002; Dec. 15; Sp. p. 3628; Gaz. vol. 137; p. 1646.
- Browne, C. E., Washington, D. C. Hose-coupling. No. 884,461; Apr. 14; Sp. p. 1601; Dr. p. 345; Gaz. vol. 133; p. 1478.
- Browne, D. H., Copper Cliff, Ontario, Canada, assignor to The Canadian Copper Company, New York, N. Y. Smelting-furnace spout. No. 886,286; Apr. 28; Sp. p. 5356; Dr. p. 1126; Gaz. vol. 133; p. 2134.
- Browne & Dowd Mfg. Co. (See Fenn, A., assignor.)
- Browne & Dowd Mfg. Co. (See Reynolds, C. W., assignor.)
- Browne, G. A., Tacoma, Wash. Mill. No. 888,465; May 26; Sp. p. 4284; Dr. p. 907; Gaz. vol. 134; p. 786.
- Browne, G. E., Greenfield, Mich. Flower-support. No. 899,946; Sept. 29; Sp. p. 5400; Dr. p. 1152; Gaz. vol. 135; p. 1002.
- Browne, G. W., Brooklyn, N. Y. Vaporic steam-gun. No. 902,707; Nov. 3; Sp. p. 350; Gaz. vol. 137; p. 59.
- Browne, H. M., Cheyney, Pa. Damper-regulator. No. 886,183; Apr. 28; Sp. p. 5161; Dr. p. 1086; Gaz. vol. 133; p. 2099.

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- Browne, H. P. C., and W. H. Palmer, Jr., New York, N. Y. Rotation-indicating instrument. No. 883,385; Mar. 31; Sp. p. 5789; Dr. p. 1236; Gaz. vol. 133; p. 1072.
- Browne, M. C., Holyoke, Mass. Strip-moistening device. No. 900,352; Oct. 6; Sp. p. 585; Dr. p. 121; Gaz. vol. 136; p. 1164.
- Browne, R. B., New York, N. Y. Door or gate opening or closing device. No. 887,307; May 12; Sp. p. 1976; Dr. p. 415; Gaz. vol. 134; p. 347.
- Browne, R. S., Alameda, Cal. Cyanid-tank. No. 894,254; July 28; Sp. p. 3941; Dr. p. 812; Gaz. vol. 135; p. 695.
- Brownell, F. A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic enlarging-camera. No. 881,997; Mar. 17; Sp. p. 3036; Dr. pp. 646-7; Gaz. vol. 133; p. 556.
- Brownell, F. A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-camera shutter. No. 885,142; Apr. 21; Sp. p. 3026; Dr. p. 638; Gaz. vol. 133; p. 1732.
- Brownell, F. A., assignor to Eastman Kodak Company, Rochester, N. Y. Folding photographic camera. No. 886,473; May 5; Sp. p. 266; Dr. p. 56; Gaz. vol. 134; p. 49.
- Brownell, F. A., assignor to Eastman Kodak Co., Rochester, N. Y. Mounting for photographic shutters. No. 900,081; Oct. 6; Sp. p. 15; Dr. p. 3; Gaz. vol. 136; p. 1077.
- Brownell, F. A., assignor to Eastman Kodak Co., Rochester, N. Y. Folding photographic camera. No. 905,122; Nov. 24; Sp. p. 5326; Gaz. vol. 137; p. 948.
- Brownell, G. L., Worcester, Mass. Flier for spinning and twisting machines. No. 901,226; Oct. 13; Sp. p. 2375; Dr. p. 486; Gaz. vol. 136; p. 1475.
- Brownell, J. H., Chicago, Ill. Chair. No. 883,446; Mar. 31; Sp. p. 5928; Dr. p. 1265; Gaz. vol. 133; p. 1093.
- Brownell-Trebert Company. (See Trebert, H. L. F., assignor.)
- Brownfield, E., assignor of two-thirds to C. W. Eisenbeis, Oklahoma, Okla. Automatic hitching device for teams. No. 903,445; Nov. 10; Sp. p. 1806; Gaz. vol. 137; p. 328.
- Browning, C. Jr., Sacramento, Cal. Device for the inspection of car-wheels. No. 878,499; Feb. 11; Sp. p. 1293; Dr. pp. 261-2; Gaz. vol. 132; p. 1082.
- Browning, C. Jr., Sacramento, Cal. Device for the inspection of car-wheels. No. 878,500; Feb. 11; Sp. p. 1299; Dr. pp. 262-3; Gaz. vol. 132; p. 1082.
- Browning, E. H. (See Browning, V. R. and E. H.)
- Browning, E. H. (See Browning, V. R. and E. H.)
- Browning, E. S., Boone, Iowa. Self-ejecting penholder. No. 891,036; June 16; Sp. p. 3754; Dr. p. 819; Gaz. vol. 134; p. 1718.
- Browning, L. C., Lawrence, Kans. Carrier. No. 901,318; Oct. 20; Sp. p. 2582; Dr. p. 531; Gaz. vol. 136; p. 1540.
- Browning, R. D., Orange, Va. Latch-keeper for gates. No. 891,667; June 23; Sp. p. 5060; Dr. p. 1092; Gaz. vol. 134; p. 1956.
- Browning, R. G. (See Hughes and Browning.)
- Browning, V. R., Nottingham, Ohio. Lifting-magnet. No. 892,931; July 7; Sp. p. 1091; Dr. p. 229; Gaz. vol. 135; p. 181.
- Browning, V. R. and E. H., Nottingham, Ohio. Locomotive-crane. No. 888,690; May 26; Sp. p. 4754; Dr. pp. 1011-12; Gaz. vol. 134; p. 863.
- Browning, V. R. and E. H., Nottingham, Ohio. Hoisting mechanism. No. 892,802; July 7; Sp. p. 800; Dr. p. 169; Gaz. vol. 135; p. 138.
- Browning, V. R. and E. H., Cleveland, Ohio. Locomotive-crane. No. 889,174; May 26; Sp. p. 5758; Dr. pp. 1218-19; Gaz. vol. 134; p. 1020.
- Brownlee, J. F., Hepburn, Iowa. Harrow attachment. No. 904,754; Nov. 24; Sp. p. 4563; Gaz. vol. 137; p. 824.
- Brownlee, J. N., Shubuta, Miss. Operating mechanism for sawmills. No. 890,839; June 16; Sp. p. 3345; Dr. p. 733; Gaz. vol. 134; p. 1652.
- Brownlee, W. M., Jefferson City, Tenn. Hermetically-closed receptacle. No. 883,693; Apr. 7; Sp. p. 18; Dr. p. 4; Gaz. vol. 133; p. 1198.
- Broyles, T. R., Marshfield, Mo. Buggy-tongue. No. 897,582; Sept. 1; Sp. p. 701; Dr. p. 147; Gaz. vol. 136; p. 111.
- Broz, L. (See Beck, N. D. S. K., assignor.)
- Bruaas, H. P., assignor of five-eighths to S. S. Holmes, C. B. Swenson, J. E. Hanson, J. O. Wilford, and E. B. Kinney, Baldwin, Wis. Revolving cultivator and harrow. No. 894,939; Aug. 4; Sp. p. 329; Dr. p. 66; Gaz. vol. 135; p. 947.
- Brubaker, A., Warsaw, Ind. Pea-grader. No. 896,888; Aug. 25; Sp. p. 4226; Dr. p. 904; Gaz. vol. 135; p. 1652.
- Brubaker, H., York, assignor of two-thirds to H. D. Hershey, Columbia, Pa. Machine for making paper-roll plugs. No. 885,718; Apr. 28; Sp. p. 4215; Dr. pp. 881-2; Gaz. vol. 133; p. 1946.
- Brubaker, H., York, assignor of two-thirds to H. D. Hershey, Columbia, Pa. Roller. No. 901,873; Oct. 20; Sp. p. 3771; Dr. p. 766; Gaz. vol. 136; p. 1725.
- Brubeck, J. J. (See Harding and Brubeck.)
- Bruce, D., Pittsfield, Mass. Cigar-holder. No. 887,186; May 12; Sp. p. 1668; Dr. p. 354; Gaz. vol. 134; p. 306.
- Bruce, D., Pittsfield, Mass. Tobacco-pipe. No. 894,480; July 28; Sp. p. 4397; Dr. p. 907; Gaz. vol. 135; p. 771.
- Bruce, D., Pittsfield, Mass. Tobacco-pipe. No. 894,481; July 28; Sp. p. 4398; Dr. p. 907; Gaz. vol. 135; p. 771.
- Bruce, G. H., administrator. (See Ramsdell, W. H.)
- Bruce, G. H., Saugus, Mass. Cooking utensil. No. 896,708; Aug. 25; Sp. p. 3833; Dr. pp. 829-30; Gaz. vol. 135; p. 1591.
- Bruce, H. L., Portland, Ore. Treatment of fuel-coke. No. 906,379; Dec. 8; Sp. p. 2467; Gaz. vol. 137; p. 1423.
- Bruce, S., Helvetia, Pa. Elevator. No. 902,371; Oct. 27; Sp. p. 4820; Dr. p. 973; Gaz. vol. 136; p. 1917.
- Bruce, W. M., Jr., Springfield, Ohio, assignor, by mesne assignments, to American Automatic Telephone Company, Rochester, N. Y. Lock-out device for party-line telephones. No. 877,901; Feb. 4; Sp. p. 8; Dr. p. 2; Gaz. vol. 132; p. 850.
- Bruce, W. M., Jr., Springfield, Ohio, assignor, by mesne assignments, to American Automatic Telephone Company, Rochester, N. Y. Telephone-switch. No. 877,902; Feb. 4; Sp. p. 10; Dr. p. 2; Gaz. vol. 132; p. 850.
- Bruce, W. W., Baltimore, Md. Window-blind guide and stop. No. 900,660; Oct. 6; Sp. p. 1265; Dr. p. 258; Gaz. vol. 136; p. 1267.
- Brucker, F. (See Stump and Brucker.)
- Brucker, F., Shelby, Ohio. Spring-hinge. No. 886,474; May 5; Sp. p. 269; Dr. p. 57; Gaz. vol. 134; p. 49.
- Brucker, J., New York, N. Y. Game apparatus. No. 876,324; Jan. 14; Sp. p. 1262; Dr. p. 274; Gaz. vol. 132; p. 242.
- Brückmann, F., Jr., and O. Dempewolf, Brunswick, Germany. Apparatus for flanging, crimping, or otherwise shaping sheet-metal blanks. No. 895,067; Aug. 4; Sp. p. 584; Dr. p. 120-1; Gaz. vol. 135; p. 990.
- Bruckner, J., et al. (See Elliott and Stanton, assignors.)
- Bruckner, R. E., Mount Vernon, assignor to Commercial Acetylene Company, New York, N. Y. Lamp. No. 888,691; May 26; Sp. p. 4761; Dr. p. 1013; Gaz. vol. 134; p. 863.
- Bruden, E., San Francisco, Cal. Spark-plug. No. 888,782; May 26; Sp. p. 4944; Dr. p. 1053; Gaz. vol. 134; p. 892.
- Bruhl, W. J., Philadelphia, Pa. Collar. No. 881,660; Mar. 10; Sp. p. 2370; Dr. p. 505; Gaz. vol. 133; p. 419.
- Bruen, E. C., Brooklyn, N. Y. Device for producing the representation of a snow-storm. No. 901,319; Oct. 20; Sp. p. 2583; Dr. p. 532; Gaz. vol. 136; p. 1540.
- Bruer, J. J., Adelaide, South Australia, Australia. Piano-tuning pin. No. 883,285; Mar. 31; Sp. p. 5577; Dr. p. 1189; Gaz. vol. 133; p. 1040.
- Brugger, H. A., Radolfzell, Germany. Dumb-waiter for boots and the like. No. 880,625; Mar. 3; Sp. p. 279; Dr. pp. 59-60; Gaz. vol. 133; p. 49.
- Brüggmann, W., Dortmund, Germany. Apparatus for tipping foundry-ladles. No. 896,054; Aug. 11; Sp. p. 2547; Dr. p. 551; Gaz. vol. 135; p. 1338.
- Bruhn, A. and W., St. Bonifacius, Minn. Chicken-exercising feeder. No. 902,132; Oct. 27; Sp. p. 4313; Dr. p. 873; Gaz. vol. 136; p. 1838.
- Bruhn, J. F., Leigh, Nebr. Hay-stacker. No. 888,219; May 19; Sp. p. 3782; Dr. pp. 793-4; Gaz. vol. 134; p. 676.
- Bruhn, W. (See Bruhn, A. and W.)
- Brukner, M., Budapest, Austria-Hungary. Reinforced concrete railway-sleeper. No. 906,686; Dec. 15; Sp. p. 3031; Gaz. vol. 137; p. 1546.
- Brumaghim, B. F., Mount Hope, W. Va. Car. No. 895,240; Aug. 4; Sp. p. 950; Dr. p. 199; Gaz. vol. 135; p. 1050.
- Brumbach, A. L., Reading, Pa. Stop-motion for knitting-machines. No. 888,461; May 26; Sp. p. 4276; Dr. p. 905; Gaz. vol. 134; p. 785.
- Brumbach, T. L., Stanleyton, Va. Corn-husker. No. 903,446; Nov. 10; Sp. p. 1808; Gaz. vol. 137; p. 329.
- Brumbaugh, G. M. (See Olop, S., assignor.)
- Brumberg, E., and A. D. Resler, Montesano, Wash. Display-rack for clothing. No. 892,218; June 30; Sp. p. 6151; Dr. p. 1325; Gaz. vol. 134; p. 2169.
- Brummer, F. J. (See Trow and Brummer.)
- Brun, F., St. Petersburg, Russia. Apparatus for generating a solution for preventing incrustation in steam-boilers. No. 897,452; Sept. 1; Sp. p. 436; Dr. p. 94; Gaz. vol. 136; p. 68.
- Brun, F. A., Trablaine, near Le Chambon-Feuergolles, France. Manufacture of gear-wheels. No. 897,872; Sept. 8; Sp. p. 1289; Dr. p. 276; Gaz. vol. 136; p. 256.
- Brun, M., Lyon, France. Elastic tire. No. 877,471; Jan. 21; Sp. p. 3646; Dr. p. 790; Gaz. vol. 132; p. 663.
- Brunberg, F., Windber, Pa. Cut-out block. No. 886,475; May 5; Sp. p. 270; Dr. p. 57; Gaz. vol. 134; p. 49.
- Brundage, R. K., Farmersville, Cal. Oil-tank. No. 890,756; June 16; Sp. p. 3188; Dr. p. 696; Gaz. vol. 134; p. 1626.
- Brundell, W., Portland, Ore. Rope-holding device. No. 876,770; Jan. 14; Sp. p. 2205; Dr. p. 485; Gaz. vol. 132; p. 391.
- Brundig, A. L., et al. (See Brundige, S. H., assignor.)

Alphabetical list of patentees—Continued.

- Brundige, S. H., assignor of two-thirds to J. C. Buttermore and A. L. Brundig, Healdsburg, Cal. Engine. No. 896,514; Aug. 18; Sp. p. 3462; Dr. p. 744; Gaz. vol. 135; p. 1509.
- Brune, F., assignor to Milwaukee Corrugating Company, Milwaukee, Wis. Making corrugated sheet-metal pipe-elbows. No. 889,173; May 26; Sp. p. 5757; Dr. p. 1218; Gaz. vol. 134; p. 1020.
- Brunelle, A., Manville, R. I. Tensioning device for warp-beams, &c. No. 895,001; Aug. 4; Sp. p. 459; Dr. p. 93; Gaz. vol. 135; p. 968.
- Brunello, J., Bluefield, W. Va. Nut-lock. No. 880,065; Feb. 25; Sp. p. 4504; Dr. p. 946; Gaz. vol. 132; p. 1665.
- Bruner, P. M., St. Louis, Mo. Repairing vault-light pavements. No. 893,900; July 21; Sp. p. 3172; Dr. p. 652; Gaz. vol. 135; p. 558.
- Brunett, D., Rice Lake, Wis. Horse-detacher. No. 904,505; Nov. 24; Sp. p. 4060; Gaz. vol. 137; p. 741.
- Brunett, F., Evaro, Mont. Saw set and swage. No. 893,140; July 14; Sp. p. 1534; Dr. p. 324; Gaz. vol. 135; p. 280.
- Brunett, F., Evaro, Mont. Saw-swage. No. 903,151; Nov. 3; Sp. p. 1227; Gaz. vol. 137; p. 201.
- Brüning, H. (See Marmetschke, E., assignor.)
- Brunhouse, F. C., *et al.* (See Foss, W. O., assignor.)
- Brunhouse, R. E., *et al.* (See Foss, W. O., assignor.)
- Brunke, E. A., Chicago, Ill. Table-pad. No. 884,067; Apr. 7; Sp. p. 800; Dr. p. 169; Gaz. vol. 133; p. 1321.
- Brunn, O. H. U., Leipzig-Gohlis, Germany. Making nitric acid. No. 898,033; Sept. 8; Sp. p. 1649; Dr. p. 351; Gaz. vol. 136; p. 289.
- Brunn, H., Munich, Germany. Card-chain for systematic filing of memoranda. No. 898,034; Sept. 8; Sp. p. 1650; Dr. p. 351; Gaz. vol. 136; p. 289.
- Brunnacker, C. R. (See Lehnbeuter and Brunnacker.)
- Brunner, A. (See Schirmacher and Brunner.)
- Brunner, H., San Francisco, Cal. Water-filter. No. 904,678; Nov. 24; Sp. p. 4402; Gaz. vol. 137; p. 799.
- Brunner, J. F., Pittsburg, Pa. Plumber's testing-plug. No. 884,262; Apr. 7; Sp. p. 1217; Dr. p. 255; Gaz. vol. 133; p. 1385.
- Brunner, K., and O. Bühring, Mannheim, Germany. Apparatus for separating liquids from gases or vapors. No. 877,460; Jan. 21; Sp. p. 3626; Dr. p. 785; Gaz. vol. 132; p. 659.
- Brunson, E. E., Chicago, Ill. Account system. No. 889,900; June 9; Sp. p. 1396; Dr. pp. 317-18; Gaz. vol. 134; p. 1310.
- Brunswick-Balke-Collender Company. (See Davenport, H. F., assignor.)
- Brunswick-Balke-Collender Company. (See Hogan, E. B., assignor.)
- Brunswick-Balke-Collender Company. (See McIntire, J. N., assignor.)
- Brunswick Refrigerating Company. (See Whitaker, R., assignor.)
- Brunswick, W. F. (See Hough, Dietrich, and Brunswick.)
- Brunzwick, J., assignor to C. Schmidt Company, Cincinnati, Ohio. Door-actuating mechanism. No. 885,431; Apr. 21; Sp. p. 3625; Dr. p. 760; Gaz. vol. 133; p. 1826.
- Brush, A. F., Detroit, Mich. Pulsating pump. No. 885,835; Apr. 28; Sp. p. 4464; Dr. p. 938; Gaz. vol. 133; p. 1985.
- Brush, A. F., Detroit, Mich. Carbureting mechanism for internal-combustion engines. No. 886,760; May 5; Sp. p. 880; Dr. p. 182; Gaz. vol. 134; p. 144.
- Brush, A. F., Detroit, Mich. Steering-gear. No. 886,938; May 5; Sp. p. 1197; Dr. p. 254; Gaz. vol. 134; p. 199.
- Brush, A. F., Detroit, Mich. Firearm. No. 891,401; June 23; Sp. p. 4500; Dr. p. 979; Gaz. vol. 134; p. 1869.
- Brush, A. F., Detroit, Mich. Planetary gearing. No. 901,518; Oct. 20; Sp. p. 3056; Dr. pp. 624-5; Gaz. vol. 136; p. 1610.
- Brush, C. L., Bourne, Oreg. Foldable rule. No. 890,599; June 16; Sp. p. 2839; Dr. p. 625; Gaz. vol. 134; p. 1573.
- Brusseau, E., Jefferson, S. D. Automatic lamp-extinguisher. No. 897,712; Sept. 1; Sp. p. 952; Dr. p. 204; Gaz. vol. 136; p. 153.
- Bرتون, D. A., Clarksville, Tex. Chuck. No. 904,679; Nov. 24; Sp. p. 4403; Gaz. vol. 137; p. 799.
- Bruton, E. P., Rockingham, N. C. Vending-machine. No. 883,523; Mar. 31; Sp. p. 6078; Dr. p. 1293; Gaz. vol. 133; p. 1116.
- Bruyeker, A. M. de, New York, N. Y. Ventilator. No. 893,978; July 21; Sp. p. 3340; Dr. p. 684; Gaz. vol. 135; p. 584.
- Bruyère, J., Le Puy, France. Brush for parquetry-flooring and the like. No. 883,166; Mar. 31; Sp. p. 5326; Dr. p. 1135; Gaz. vol. 133; p. 1000.
- Bruzaud, C. N., Peekskill, N. Y. Roofing-tile. No. 885,663; Apr. 21; Sp. p. 4092; Dr. p. 856; Gaz. vol. 133; p. 1898.
- Bruzaud, C. N., Peekskill, N. Y. Head-covering for automobilists and chauffeurs. No. 901,320; Oct. 20; Sp. p. 2585; Dr. p. 532; Gaz. vol. 136; p. 1541.
- Bruzaud, C. N., assignor of one-third to R. D. Kornhauser, Peekskill, N. Y. Brooch. No. 902,274; Oct. 27; Sp. p. 4608; Dr. p. 936; Gaz. vol. 136; p. 1884.
- Bryan, E. E., and W. E. Taylor, Paonia, Colo. Fruit-picker's bucket. No. 876,038; Jan. 7; Sp. p. 682; Dr. p. 146; Gaz. vol. 132; p. 118.
- Bryan, H. L., trustee. (See Doremus, W. D., assignor.)
- Bryan, J., Pittsburg, and H. Etheridge, McKeesport, Pa. Trolley-wire hanger. No. 899,858; Sept. 29; Sp. p. 5219; Dr. p. 1117; Gaz. vol. 136; p. 975.
- Bryan, J., Pittsburg, H. Etheridge, McKeesport, and E. M. Balsinger, Pittsburg, Pa. Aerial-trolley support. No. 899,859; Sept. 29; Sp. p. 5220; Dr. p. 1117; Gaz. vol. 136; p. 975.
- Bryan, J. H. B., assignor of two-thirds to N. J. and N. Kelly, Buffalo, N. Y. Pipe-tapping device. No. 879,513; Feb. 18; Sp. p. 3330; Dr. p. 695; Gaz. vol. 132; p. 1452.
- Bryan, J. H. B., assignor of two-thirds to N. J. and N. Kelly, Buffalo, N. Y. Pipe-tapping device. No. 884,565; Apr. 14; Sp. p. 1813; Dr. pp. 389-90; Gaz. vol. 133; p. 1512.
- Bryan, J. H. B., assignor of two-thirds to N. J. and N. Kelly, Buffalo, N. Y. Pipe-tapping device. No. 887,308; May 12; Sp. p. 1978; Dr. pp. 415-16; Gaz. vol. 134; p. 348.
- Bryan, J. P., Baltimore, Md., assignor, by mesne assignments, to D. M. Ludington and A. S. Goldsborough, trustees. Addressing-machine. No. 877,400; Jan. 21; Sp. p. 3511; Dr. p. 761; Gaz. vol. 132; p. 640.
- Bryan, J. S., Los Angeles, Cal. Combined chair and table. No. 891,141; June 16; Sp. p. 3933; Dr. p. 861; Gaz. vol. 134; p. 1749.
- Bryan, R. C., Mortimer, Ala. Plow. No. 904,403; Nov. 17; Sp. p. 3827; Gaz. vol. 137; p. 680.
- Bryan, S. (See Dunn, G. R., assignor.)
- Bryan, S. R., Racine, Wis., assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. Railway-rail stay. (Reissue.) No. 12,862; Oct. 13; Sp. p. 2563; Dr. p. 527; Gaz. vol. 136; p. 1503.
- Bryan, W. C. (See Vaughan and Bryan.)
- Bryant, A. J., Sheffield, Ala. Mounting for mud-guns. No. 892,219; June 30; Sp. p. 6153; Dr. p. 1325; Gaz. vol. 134; p. 2169.
- Bryant, A. J., Maddox, Miss. Clothes-line. No. 893,702; July 21; Sp. p. 2680; Dr. p. 562; Gaz. vol. 135; p. 492.
- Bryant, C. B., Muskegon, Mich. Mail-sack-delivery-apparatus. No. 893,141; July 14; Sp. p. 1536; Dr. p. 324; Gaz. vol. 135; p. 280.
- Bryant, C. R., Manistee, Mich. Explosive-engine. No. 886,184; Apr. 28; Sp. p. 5163; Dr. pp. 1086-7; Gaz. vol. 133; p. 2099.
- Bryant, E. B., East Providence, assignor to American Ship Windlass Company, Providence, R. I. Winding-machine. No. 876,261; Jan. 7; Sp. p. 1116; Dr. pp. 241-2; Gaz. vol. 132; p. 189.
- Bryant Electric Company. (See Goodridge, G. W., assignor.)
- Bryant Electric Company. (See Platt, C. D., assignor.)
- Bryant Electric Company. (See Seeley, F. E., assignor.) (Reissue.)
- Bryant, F., Matteawan, N. Y. Silk-throwster spindle. No. 884,126; Apr. 7; Sp. p. 971; Dr. p. 201; Gaz. vol. 133; p. 1341.
- Bryant, F. H. (See Hensley and Bryant.)
- Bryant, F. L. (See Morrison and Bryant.)
- Bryant, F. L., Chicago, Ill. Ball-bearing axle. No. 890,016; June 9; Sp. p. 1636; Dr. p. 366; Gaz. vol. 134; p. 1350.
- Bryant, H. E., Pawtucket, R. I. Fiber-separating machine. No. 884,635; Apr. 14; Sp. p. 1956; Dr. p. 420; Gaz. vol. 133; p. 1534.
- Bryant, J., Lake City, Fla. Wardrobe-bureau. No. 889,175; May 26; Sp. p. 5763; Dr. p. 1219; Gaz. vol. 134; p. 1021.
- Bryant, J. M., Cleveland, Ohio, assignor of one-half to J. L. Henry, Rochester, N. Y. Vehicle-reach. No. 888,584; May 26; Sp. p. 4521; Dr. p. 959; Gaz. vol. 134; p. 828.
- Bryant, L. B. (See Jones and Bryant.)
- Bryant, L. W., St. Louis, Mo. Vehicle-wheel. No. 891,522; June 23; Sp. p. 4745; Dr. p. 1028; Gaz. vol. 134; p. 1908.
- Bryant, N., Battle Creek, Mich. Device for use in tuning musical instruments. No. 906,608; Dec. 15; Sp. p. 2882; Gaz. vol. 137; p. 1522.
- Bryant, R. C., Faroe, Miss. Brush. No. 878,006; Feb. 11; Sp. p. 1538; Dr. p. 314; Gaz. vol. 132; p. 1118.
- Bryant, R. S., assignor to Bryant Steel Wheel and Rim Company, Columbus, Ohio. Locking device for tire-retaining attachments. No. 892,801; July 7; Sp. p. 798; Dr. p. 169; Gaz. vol. 135; p. 137.
- Bryant Steel Wheel and Rim Company. (See Bryant, R. S., assignor.)
- Bryant, W. (See Williams, W. E., assignor.)
- Bryant, W. E., assignor to Michigan Lubricator Co., Detroit, Mich. Automatic oil-check for lubricator drain-passages. No. 890,757; June 16; Sp. p. 3190; Dr. p. 697; Gaz. vol. 134; p. 1626.
- Bryant, W. H., Boston, assignor to F. Hunt, trustee, Cambridge, Mass. Amusement apparatus. No. 884,462; Apr. 14; Sp. p. 1602; Dr. pp. 345-6; Gaz. vol. 133; p. 1478.
- Bryant, W. S. (See Staley, R. M., assignor.)
- Bryar, G., assignor to J. and W. T. White, St. John, New Brunswick, Canada. Car-seal. No. 887,187; May 12; Sp. p. 1669; Dr. p. 354; Gaz. vol. 134; p. 306.

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- Bryce, A. V., assignor to Inter-State Manufacturing Company, Pittsburg, Pa. Fastening device. No. 892,972; July 7; Sp. p. 1164; Dr. p. 245; Gaz. vol. 135; p. 196.
- Bryce, A. V., assignor to Inter-State Manufacturing Company, Pittsburg, Pa. Locking-nut. No. 894,874; Aug. 4; Sp. p. 139; Dr. p. 30; Gaz. vol. 135; p. 924.
- Bryce, A. V., assignor to Inter-State Manufacturing Company, Pittsburg, Pa. Locking-nut. No. 894,875; Aug. 4; Sp. p. 140; Dr. p. 31; Gaz. vol. 135; p. 925.
- Bryce, A. V., assignor to Inter-State Manufacturing Company, Pittsburg, Pa. Locking-nut. No. 895,336; Aug. 4; Sp. p. 1129; Dr. p. 237; Gaz. vol. 135; p. 1082.
- Bryce, A. V., assignor to Inter-State Manufacturing Company, Pittsburg, Pa. Locking-nut. No. 896,358; Aug. 18; Sp. p. 3143; Dr. p. 675; Gaz. vol. 135; p. 1456.
- Bryce, A. V., assignor to Inter-State Manufacturing Company, Pittsburg, Pa. Bolt-fastening device. No. 896,709; Aug. 25; Sp. p. 3835; Dr. p. 830; Gaz. vol. 135; p. 1592.
- Bryce, W. J. (See Voisard, G. C., assignor.)
- Bryers, J., Chicago, Ill. Combined medicine-measure and corkscrew. No. 880,505; Mar. 3; Sp. p. 29; Dr. p. 7; Gaz. vol. 133; p. 8.
- Bryk, E. (See Schmidt and Bryk.)
- Bryk, E., assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Making arylthioglycolic-ortho-carboxylic acids. No. 877,702; Jan. 28; Sp. p. 4128; Gaz. vol. 132; p. 759.
- Bryson, J. H., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 900,478; Oct. 6; Sp. p. 868; Dr. p. 177; Gaz. vol. 136; p. 1207.
- Bryson, W. S. (See Hobbs, C. L., assignor.)
- Brzinsky, F. L., and J. E. De Gette, Minneapolis, Minn. Revolving musical instrument. No. 891,204; June 16; Sp. p. 4067; Dr. p. 892; Gaz. vol. 134; p. 1770.
- Bubb, J., Estabuchie, Miss. Mail-bag catcher and deliverer. No. 892,803; July 7; Sp. p. 804; Dr. p. 170; Gaz. vol. 135; p. 138.
- Bucci, D., Rome, Italy. Projectile for throwing shot-lines. No. 896,687; Aug. 18; Sp. p. 3789; Dr. p. 818; Gaz. vol. 135; p. 1561.
- Bucey, G. M., East Springfield, Ohio. Wheel. No. 880,122; Feb. 25; Sp. p. 4606; Dr. pp. 970-1; Gaz. vol. 132; p. 1683.
- Buch, E. F., and K. Steinbach, Philadelphia, Pa., assignors to Sanitary Sectional Brush Company. Brush drilling and tufting machine. No. 896,970; Aug. 25; Sp. p. 4432; Dr. pp. 947-8; Gaz. vol. 135; p. 1680.
- Buchanan, C. B., and C. C. Johnson, Richmond, Va. Automatic headway-recorder. No. 887,309; May 12; Sp. p. 1984; Dr. pp. 416-17; Gaz. vol. 134; p. 348.
- Buchanan, C. G., Brooklyn, N. Y. Magnetic separator. No. 893,606; July 21; Sp. p. 2500; Dr. p. 520; Gaz. vol. 135; p. 461.
- Buchanan, C. H., Washington, D. C. Heater. No. 875,891; Jan. 7; Sp. p. 398; Dr. p. 87; Gaz. vol. 132; p. 74.
- Buchanan, G. G., Dubois, Pa. Trolley-pole head. No. 879,729; Feb. 18; Sp. p. 3786; Dr. p. 794; Gaz. vol. 132; p. 1522.
- Buchanan, H. W., Minneapolis, Minn. Machine for stamping envelopes. No. 884,263; Apr. 7; Sp. p. 1217; Dr. p. 256; Gaz. vol. 133; p. 1385.
- Buchanan, J. J. (See De Lancey and Buchanan.)
- Buchanan, J. J., assignor to Waterbury Buckle Company, Waterbury, Conn. Suspender cast-off. No. 876,262; Jan. 7; Sp. p. 1118; Dr. p. 242; Gaz. vol. 132; p. 189.
- Buchanan, J. J., assignor to Waterbury Buckle Company, Waterbury, Conn. Suspender cast-off. No. 876,263; Jan. 7; Sp. p. 1118; Dr. p. 242; Gaz. vol. 132; p. 189.
- Buchanan, J. J., assignor to Waterbury Buckle Co., Waterbury, Conn. Garment-supporter clasp. No. 881,372; Mar. 10; Sp. p. 1770; Dr. p. 381; Gaz. vol. 133; p. 325.
- Buchanan, J. J., assignor to Waterbury Buckle Co., Waterbury, Conn. Suspender-buckle. No. 895,068; Aug. 4; Sp. p. 586; Dr. p. 121; Gaz. vol. 135; p. 990.
- Buchanan, J. J., assignor to Waterbury Buckle Company, Waterbury, Conn. Buckle. No. 896,359; Aug. 18; Sp. p. 3145; Dr. p. 676; Gaz. vol. 135; p. 1457.
- Buchanan, J. P., assignor of one-half to F. B. Wiegand, Cleveland, Ohio. Automatic electric signal system for railways. No. 886,676; May 5; Sp. p. 671; Dr. p. 139; Gaz. vol. 134; p. 115.
- Buchanan, S. M., Hubbard, Oreg. Deodorizing compound. No. 877,401; Jan. 21; Sp. p. 3514; Gaz. vol. 132; p. 640.
- Buchanan, T. E. H., Wheeling, W. Va. Alarm. No. 900,145; Oct. 6; Sp. p. 151; Dr. p. 32; Gaz. vol. 136; p. 1097.
- Buchanan, T. J. (See Bode, K., assignor.)
- Buchberger, K., Albany, N. Y. Propelling device for balloons and flying-machines. No. 907,312; Dec. 22; Sp. p. 4271; Gaz. vol. 137; p. 1787.
- Bucher & Gibbs Plow Company. (See Diesem, A. E., assignor.)
- Bucher, W. K., assignor to Columbian Hardware Company, Cleveland, Ohio. Spring-hinge. No. 882,140; Mar. 17; Sp. p. 3305; Dr. p. 705; Gaz. vol. 133; p. 602.
- Buchet, F., and E. A. Mullinix, Walla Walla, Wash. Disk harrow and weeder. No. 876,145; Jan. 7; Sp. p. 900; Dr. p. 194; Gaz. vol. 132; p. 153.
- Buchholtz, G. A., Waterford, Wis. Repair-buckle. No. 876,688; Jan. 14; Sp. p. 2071; Dr. p. 450; Gaz. vol. 132; p. 366.
- Buchner, M., Mannheim-Waldhof, Germany. Manufacturing and treating composite aluminium oxids. No. 883,286; Mar. 31; Sp. p. 5579; Gaz. vol. 133; p. 1041.
- Buck, C. F., New York, N. Y., assignor of one-half to A. Heckscher, Huntington, N. Y. Apparatus for roasting and briquetting ores. No. 899,507; Sept. 29; Sp. p. 4461; Dr. p. 958; Gaz. vol. 136; p. 859.
- Buck, E. A. (See Squiers and Buck.)
- Buck, E. R. (See Louis, C. W., assignor.)
- Buck, F., Saginaw, Mich., assignor to Marshall-Wells Hardware Company, Duluth, Minn. Ax-head-locking device. No. 877,549; Jan. 28; Sp. p. 3844; Dr. p. 831; Gaz. vol. 132; p. 711.
- Buck, G. W., Omaha, Nebr. Cement-block machine. No. 900,910; Oct. 13; Sp. p. 1791; Dr. pp. 361-2; Gaz. vol. 136; p. 1375.
- Buck, H. A., Providence, R. I., assignor to C. D. Wainwright, Marblehead, Mass. Cylinder-head. No. 880,478; Feb. 25; Sp. p. 5342; Dr. pp. 1126-7; Gaz. vol. 132; p. 1804.
- Buck, H. A., Providence, R. I., assignor to C. D. Wainwright, Marblehead, Mass. Turbine-engine. No. 880,479; Feb. 25; Sp. p. 5345; Dr. p. 1127; Gaz. vol. 132; p. 1804.
- Buck, H. W., Niagara Falls, N. Y. Insulator. No. 876,939; Jan. 21; Sp. p. 2573; Dr. p. 561; Gaz. vol. 132; p. 486.
- Buck, H. W., New York, N. Y., assignor to General Electric Company. Lightning-arrester resistance. No. 895,956; Aug. 11; Sp. p. 2358; Dr. p. 504; Gaz. vol. 135; p. 1305.
- Buck, L. H. (See Doerflinger and Buck.)
- Buck, L. P., Wilmington, Del. Combination wood and metal cross-tie. No. 907,125; Dec. 22; Sp. p. 3884; Gaz. vol. 137; p. 1721.
- Buck, T. E., Springfield, Ill. Safety-hanger for brake-beams. No. 903,954; Nov. 17; Sp. p. 2887; Gaz. vol. 137; p. 527.
- Buck, W. Y., Plainfield, N. J. Holder for electroplating. No. 889,103; May 26; Sp. p. 5608; Dr. p. 1187; Gaz. vol. 134; p. 996.
- Buckborough, P., Brantford, Ontario, Canada. Roofing-machine. No. 907,731; Dec. 29; Sp. p. 5162; Gaz. vol. 137; p. 1953.
- Bucklew, A. H., Newark, N. J. Motor-controller. No. 905,790; Dec. 1; Sp. p. 1331; Gaz. vol. 137; p. 1202.
- Buckeye Engine Company. (See Thompson, J. W., assignor.)
- Buckeye Manufacturing Company. (See Lambert, J. W., assignor.)
- Buckhalter, F., Ashbourn, Pa. Milk-bottle closer. No. 901,777; Oct. 20; Sp. p. 3605; Dr. p. 730; Gaz. vol. 136; p. 1695.
- Buckham, G. T. (See Dawson and Buckham.)
- Buckham, G. T. (See Dawson and Buckham.) (Reissue.)
- Buckingham, C. L., assignor of one-half to R. B. McCouney, Denver, Colo. Submerged ore-concentrator. No. 884,636; Apr. 14; Sp. p. 1959; Dr. p. 421; Gaz. vol. 133; p. 1535.
- Buckingham, C. L., New York, and E. Germann, Brooklyn, N. Y.; said Germann assignor to said Buckingham. Apparatus for perforating fillets of paper for the automatic transmission of messages, &c. No. 880,275; Feb. 25; Sp. p. 4927; Dr. p. 1042; Gaz. vol. 132; p. 1735.
- Buckingham, F. W., Greensburg, assignor of two-fifths to J. H. Harrison, Pittsburg, Pa. Regulator for watches. No. 898,962; Sept. 15; Sp. p. 3404; Dr. p. 731; Gaz. vol. 136; p. 620.
- Buckius, A. O., Jr., Chicago, Ill., assignor to National Malleable Castings Company, Cleveland, Ohio. Journal-box. No. 882,487; Mar. 17; Sp. p. 3949; Dr. pp. 844-5; Gaz. vol. 133; p. 715.
- Buckius, A. O., assignor to National Malleable Castings Company, Chicago, Ill. Pin and clevis device. No. 897,347; Sept. 1; Sp. p. 201; Dr. p. 43; Gaz. vol. 136; p. 30.
- Buckland, H. S., Fremont, Ohio. Safety-razor. No. 892,707; July 7; Sp. p. 611; Dr. p. 132; Gaz. vol. 135; p. 107.
- Buckland, H. S., Fremont, Ohio. Safety-razor. No. 892,708; July 7; Sp. p. 613; Dr. p. 89; Gaz. vol. 135; p. 107.
- Buckland, H. S., Fremont, Ohio. Safety-razor. No. 892,709; July 7; Sp. p. 615; Dr. p. 132; Gaz. vol. 135; p. 108.
- Buckle, E. J. B., Whitby, England. Safety-protector for anglers' bait, hooks, lures, or the like. No. 890,017; June 9; Sp. p. 1639; Dr. p. 366; Gaz. vol. 134; p. 1350.
- Buckles, F. O. (See Easley and Buckles.)

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- Buckley, C. A. M. (See Ackroyd and Buckley.)
 Buckley, E. W. (See Taylor and Buckley.)
 Buckley, J., Everett, and J. W., Chelsea, Mass. Clean-out appliance. No. 890,331; June 9; Sp. p. 2310; Dr. p. 510; Gaz. vol. 134; p. 1454.
 Buckley, J. R., and G. A. Huggins, Mattoon, Wis. Log-loading machine. No. 888,583; May 26; Sp. p. 4520; Dr. pp. 958-9; Gaz. vol. 134; p. 828.
 Buckley, J. W. (See Buckley, J. and J. W.)
 Buckley, L. A., and E. W. Stevenson, Mitchellville, Iowa. Tongue-support for disk harrows. No. 890,959; June 16; Sp. p. 3614; Dr. p. 786; Gaz. vol. 134; p. 1692.
 Buckley, P. J., Waukesha, Wis. Limekiln. No. 885,719; Apr. 28; Sp. p. 4217; Dr. pp. 882-3; Gaz. vol. 133; p. 1946.
 Buckley, R. W., Jr., New York, N. Y. Anchor. No. 881,541; Mar. 10; Sp. p. 2078; Dr. p. 454; Gaz. vol. 133; p. 378.
 Buckman, E. A., assignor of one-half to H. L. Felio, Chicago, Ill. Electroresponsive device. No. 905,495; Dec. 1; Sp. p. 775; Gaz. vol. 137; p. 1108.
 Bucknam, E. S., assignor, by mesne assignments, to J. G. Brill Company, Philadelphia, Pa. Car. No. 878,338; Feb. 4; Sp. p. 910; Dr. p. 182; Gaz. vol. 132; p. 995.
 Bucknam, E. S., assignor to J. G. Brill Company, Philadelphia, Pa. Car-window. No. 883,780; Apr. 7; Sp. p. 196; Dr. p. 36; Gaz. vol. 133; p. 1225.
 Bucknam, E. S., assignor to J. A. Brill, Philadelphia, Pa. Car. No. 887,764; May 19; Sp. p. 2903; Dr. pp. 612-13; Gaz. vol. 134; p. 528.
 Bucknam, E. S., assignor to J. G. Brill Company, Philadelphia, Pa. Fare-box. No. 901,778; Oct. 20; Sp. p. 3606; Dr. pp. 730-1; Gaz. vol. 136; p. 1695.
 Buckner, R. A. (See McDermott, P., assignor.)
 Buckner, R. A., Nevada, Mo. Coffee-maker. No. 899,099; Sept. 22; Sp. p. 3666; Dr. p. 785; Gaz. vol. 136; p. 692.
 Buckner, W. A., Dalhart, Tex., assignor of one-half to W. R. Scott, Oakland, Cal. Vestibule stock-car. No. 889,176; May 26; Sp. p. 5764; Dr. p. 1220; Gaz. vol. 134; p. 1021.
 Buck's Stove and Range Company. (See Van Cleave and Dewey, assignors.)
 Buckwalter, C. L., Loudonville, Ohio. Audiphone. No. 898,035; Sept. 8; Sp. p. 1652; Dr. p. 351; Gaz. vol. 136; p. 289.
 Buckwalter, T. V., Altoona, Pa. Mechanical movement. No. 875,892; Jan. 7; Sp. p. 400; Dr. p. 88; Gaz. vol. 132; p. 74.
 Buckwalter, T. V., Altoona, Pa. Electrically-operated baggage-truck. No. 875,893; Jan. 7; Sp. p. 401; Dr. p. 88; Gaz. vol. 132; p. 75.
 Buckwalter, T. V., Altoona, Pa. Electrically-operated baggage-truck. (Reissue.) No. 12,767; Mar. 24; Sp. p. 5311; Dr. p. 1133.
 Gaz. vol. 133; p. 970.
 Buckwalter, T. V., Altoona, Pa. Folding platform for operators of motor-trucks. No. 895,069; Aug. 4; Sp. p. 586; Dr. p. 122; Gaz. vol. 135; p. 991.
 Buckwalter, T. V., Altoona, Pa. Universal joint. No. 898,829; Sept. 15; Sp. p. 3170; Dr. p. 678; Gaz. vol. 136; p. 576.
 Bucyrus Company. (See Clifford and Ferris, assignors.)
 Bucyrus Company. (See Knox, S. L. G., assignor.)
 Buda Foundry & Manufacturing Company. (See Gard, J. J., assignor.)
 Buda Foundry & Manufacturing Company. (See Jenkins, M. L., assignor.)
 Buda Foundry & Manufacturing Company. (See Place and Jenkins, assignors.)
 Budd, E. G. (See Kilburn and Budd.)
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Car-seat. No. 879,730; Feb. 18; Sp. p. 3787; Dr. p. 795; Gaz. vol. 132; p. 1522.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Cushion. No. 884,706; Apr. 14; Sp. p. 2132; Dr. p. 454; Gaz. vol. 133; p. 1559.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Cushion. No. 884,707; Apr. 14; Sp. p. 2136; Dr. p. 454; Gaz. vol. 133; p. 1559.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Cushion. No. 884,709; Apr. 14; Sp. p. 2140; Dr. p. 455; Gaz. vol. 133; p. 1560.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Seating. No. 884,710; Apr. 14; Sp. p. 2142; Dr. p. 455; Gaz. vol. 133; p. 1561.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Seating. No. 884,711; Apr. 14; Sp. p. 2144; Dr. p. 456; Gaz. vol. 133; p. 1561.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Seat-frame. No. 887,914; May 19; Sp. p. 3215; Dr. p. 676; Gaz. vol. 134; p. 579.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Metallic foot for seats and the like. No. 889,197; June 2; Sp. p. 18; Dr. p. 4; Gaz. vol. 134; p. 1060.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Cushion. No. 893,050; July 14; Sp. p. 1352; Dr. p. 285; Gaz. vol. 135; p. 250.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Door. No. 894,421; July 28; Sp. p. 4285; Dr. p. 884; Gaz. vol. 135; p. 751.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Car-seat. No. 894,811; Aug. 4; Sp. p. 11; Dr. p. 3; Gaz. vol. 135; p. 903.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Cushion. No. 894,812; Aug. 4; Sp. p. 16; Dr. p. 4; Gaz. vol. 135; p. 904.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Arm-rest. No. 900,702; Oct. 13; Sp. p. 1355; Dr. p. 276; Gaz. vol. 136; p. 1308.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Arm-rest. No. 900,703; Oct. 13; Sp. p. 1357; Dr. p. 277; Gaz. vol. 136; p. 1308.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Arm-rest. No. 900,704; Oct. 13; Sp. p. 1358; Dr. p. 277; Gaz. vol. 136; p. 1309.
 Budd, E. G., and J. A. Wollé, assignors to Hale-Kilburn Metal Company, Philadelphia, Pa. Cushion. No. 884,708; Apr. 14; Sp. p. 2138; Dr. p. 455; Gaz. vol. 133; p. 1560.
 Budde, C. C. L. G., Copenhagen, Denmark. Sterilizing foods or organic compounds. No. 877,703; Jan. 28; Sp. p. 4128; Gaz. vol. 132; p. 759.
 Budde, F. H. (See Christine and Budde.)
 Buddicom, H. W. (See Johnston, J., assignor.)
 Buddicom, H. W. (See Johnston and Buddicom.)
 Buddington, F. E., Chicago, Ill. Gas-burner. No. 904,246; Nov. 17; Sp. p. 3510; Gaz. vol. 137; p. 628.
 Buch, J., Dessau, Germany. Manufacture of gas. No. 904,043; Nov. 17; Sp. p. 3056; Gaz. vol. 137; p. 556.
 Buehler, B. M., Odebolt, Iowa. Manure-spreader. No. 882,370; Mar. 17; Sp. p. 3756; Dr. p. 800; Gaz. vol. 133; p. 677.
 Buehler, L., Detroit, Mich. Automatic injector. No. 885,224; Apr. 21; Sp. p. 3216; Dr. p. 671; Gaz. vol. 133; p. 1759.
 Buehler, T., Dorrance, Kans. Carpenter's tool. No. 889,104; May 26; Sp. p. 5609; Dr. p. 1187; Gaz. vol. 134; p. 997.
 Buehler, W., assignor of one-half to G. W. Bestor, Minneapolis, Minn. Preserving wood. No. 899,237; Sept. 22; Sp. p. 3949; Dr. p. 842; Gaz. vol. 136; p. 737.
 Buehler, W., assignor of one-half to G. W. Bestor, Minneapolis, Minn. Preserving wood. No. 899,480; Sept. 22; Sp. p. 4393; Dr. p. 943; Gaz. vol. 136; p. 813.
 Buell, D., Columbus, Ohio. Chain-link for mining-machines. No. 894,184; July 28; Sp. p. 3778; Dr. p. 783; Gaz. vol. 135; p. 672.
 Buell, C. E., North Plainfield, N. J., assignor to General Fire Extinguisher Company, New York, N. Y. Combined fire alarm and extinguishing system. No. 903,152; Nov. 3; Sp. p. 1228; Gaz. vol. 137; p. 201.
 Buell, C. E., North Plainfield, N. J., assignor to General Fire Extinguisher Company, New York, N. Y. Combined telephone and fire alarm system. No. 903,153; Nov. 3; Sp. p. 1232; Gaz. vol. 137; p. 202.
 Buerekin, S. W., assignor of one-half to D. P. Cloyd, Prague, Okla. Stringed musical instrument. No. 907,679; Dec. 22; Sp. p. 5063; Gaz. vol. 137; p. 1907.
 Buerger, W. L., assignor to Williamsport Staple Company, Williamsport, Pa. Winker-blind. No. 883,287; Mar. 31; Sp. p. 5580; Dr. p. 1190; Gaz. vol. 133; p. 1041.
 Buettner, J. H., Cincinnati, Ohio. Music-leaf turner. No. 893,437; July 14; Sp. p. 2117; Dr. p. 444; Gaz. vol. 135; p. 376.
 Buettner, W. A., and A. Shelburne, Sullivan, Ind. Driving-gear. No. 892,932; July 7; Sp. p. 1094; Dr. p. 230; Gaz. vol. 135; p. 181.
 Buffalo Forge Company. (See Carrier, W. H., assignor.)
 Buffalo Forge Company. (See Sulzer, G., assignor.)
 Buffalo Gasolene Motor Company. (See Blair, W. E., assignor.)
 Buffalo Lounge Company. (See Jacobs, H. J., assignor.)
 Buffalo Pitts Company. (See Todd, M. J., assignor.)
 Buffalo Pitts Company. (See Vraalstad, E. J., assignor.)
 Buffalo Steam Roller Company. (See Henn and Farquhar, assignors.)

Alphabetical list of patentees—Continued.

- Buffelen, J., Tacoma, Wash. Poreh-column turning and boring machine. No. 904,044; Nov. 17; Sp. p. 3059; Gaz. vol. 137; p. 557.
- Buffum, F. D., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Box-car loader. No. 883,288; Mar. 31; Sp. p. 5583; Dr. pp. 1190-1; Gaz. vol. 133; p. 1041.
- Buffum, F. W., trustee. (See Mann, M. H., assignor.)
- Bugbee, F. M., North Kingsville, Ohio. Ironing-board. No. 876,857; Jan. 14; Sp. p. 2363; Dr. p. 517; Gaz. vol. 132; p. 418.
- Bugh, S. J., Denver, Colo. Mop-head and wringing attachment. No. 894,422; July 28; Sp. p. 4288; Dr. pp. 884-5; Gaz. vol. 135; p. 752.
- Buhler, A. J., Harris, Minn. Means for gathering and destroying potato-bugs. No. 883,618; Mar. 31; Sp. p. 6258; Dr. pp. 1334-5; Gaz. vol. 133; p. 1146.
- Buhoup, H. C., Chicago, Ill. Car-truck. No. 891,402; June 23; Sp. p. 4503; Dr. p. 980; Gaz. vol. 134; p. 1869.
- Bühning, O. (See Brunner and Bühning.)
- Builders Iron Foundry. (See Connet, F. N., assignor.)
- Bukacek, J. S., Riverside, Ala. Cushion. No. 889,756; June 2; Sp. p. 1112; Dr. p. 258; Gaz. vol. 134; p. 1237.
- Bulger, R. R., South Brownsville, Pa. Door and window fastener. No. 904,304; Nov. 17; Sp. p. 3640; Gaz. vol. 137; p. 645.
- Bull, E. C., Naugatuck, assignor of one-half to C. E. Graham, West Haven, Conn. Machine for galvanizing chain. No. 882,776; Mar. 24; Sp. p. 4533; Dr. pp. 967-8; Gaz. vol. 133; p. 842.
- Bull, G. A., Bucyrus, Ohio. Engine-starting jack. No. 893,834; July 21; Sp. p. 3051; Dr. p. 623; Gaz. vol. 135; p. 538.
- Bull, G. F., Birmingham, and I. Jackson, Glossop, England. Belt-fastener plate having beaded or rolled edges. No. 895,424; Aug. 11; Sp. p. 1302; Dr. p. 273; Gaz. vol. 135; p. 1133.
- Bull, H., Mexico, Mexico. Mosquito-net support. No. 903,539; Nov. 10; Sp. p. 2015; Gaz. vol. 137; p. 360.
- Bull, N. O., Kongsvinger, Norway, and F. Blom-Ohlson, New York, N. Y. Match-receptacle. No. 888,462; May 26; Sp. p. 4279; Dr. p. 906; Gaz. vol. 134; p. 786.
- Bull, W. R., Plainfield, N. J. Sash-lifter. No. 892,644; July 7; Sp. p. 488; Dr. p. 104; Gaz. vol. 134; p. 87.
- Bullard, C. E., Brookline, assignor of one-half to G. R. Stetson, New Bedford, Mass. Arch-supporter. No. 878,039; Feb. 4; Sp. p. 302; Dr. p. 64; Gaz. vol. 132; p. 897.
- Bullard, E. P., Jr., assignor to Bullard Machine Tool Company, Bridgeport, Conn. Vertical turret-lathe. No. 877,402; Jan. 21; Sp. p. 3515; Dr. pp. 761-3; Gaz. vol. 132; p. 640.
- Bullard, E. P., Jr., assignor to Bullard Machine Tool Company, Bridgeport, Conn. Combined changeable-speed and brake mechanism. No. 877,404; Jan. 21; Sp. p. 3524; Dr. p. 764; Gaz. vol. 132; p. 642.
- Bullard, E. P., Jr., assignor to Bullard Machine Tool Company, Bridgeport, Conn. Friction-clutch. No. 890,210; June 9; Sp. p. 2034; Dr. p. 448; Gaz. vol. 134; p. 1415.
- Bullard, E. P., and E. Henrikson, assignors to Bullard Machine Tool Company, Bridgeport, Conn. Rapid-traverse device for boring-mills. No. 877,403; Jan. 21; Sp. p. 3521; Dr. p. 763; Gaz. vol. 132; p. 641.
- Bullard, E. P., *et al.* (See Morningstar, L. E., assignor.)
- Bullard, L. H., assignor to O. Gumbinsky, Kalamazoo, Mich. Roof-flashing. No. 885,318; Apr. 21; Sp. p. 3406; Dr. p. 712; Gaz. vol. 133; p. 1791.
- Bullard, M. H., Ossian, Iowa. Car-axle. No. 895,337; Aug. 4; Sp. p. 1130; Dr. p. 237; Gaz. vol. 135; p. 1082.
- Bullard Machine Tool Company. (See Bullard, E. P., Jr., assignor.)
- Bullard Machine Tool Company. (See Bullard and Henrikson, assignors.)
- Bullard, R. H., *et al.* (See Morningstar, L. E., assignor.)
- Bullard, R. J., Jr., *et al.* (See Morningstar, L. E., assignor.)
- Bullard, S. E., assignor to Bullard Machine Tool Company, Bridgeport, Conn. Machine-tool-operating mechanism. No. 890,211; June 9; Sp. p. 2035; Dr. pp. 448-9; Gaz. vol. 134; p. 1415.
- Bulletin Company of America. (See Hadfield, R. H., assignor.)
- Bullion, W. G., *et al.* (See Wrench, E. F., assignor.)
- Bullock, A. A., Williamsboro, N. C. Cotton-chopper. No. 885,432; Apr. 21; Sp. p. 3627; Dr. p. 760; Gaz. vol. 133; p. 1827.
- Bullock Electric Manufacturing Company *et al.* (See Behrend, B. A., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Cheney, H. W., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Crocker, C. T., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Elshoff, B., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Elshoff, H. F., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Field, A. B., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Firmin, J. D., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Frankenfield, B., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Gerry, E. M., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Gilmore, T., Jr., assignor.)
- Bullock Electric Manufacturing Company. (See Hall, D., assignor.)
- Bullock Electric Manufacturing Company. (See Hornung, L. R., assignor.)
- Bullock Electric Manufacturing Company. (See Lord, C. E., assignor.)
- Bullock Electric Manufacturing Company. (See Lord and Powell, assignors.)
- Bullock Electric Manufacturing Company *et al.* (See Mattman, E., assignor.)
- Bullock Electric Manufacturing Company. (See McHugh, A. L., assignor.)
- Bullock Electric Manufacturing Company. (See Peck, A. F., assignor.)
- Bullock Electric Manufacturing Company. (See Pomeroy and Wright, assignors.)
- Bullock Electric Manufacturing Company *et al.* (See Pomeroy, W. D., assignor.)
- Bullock Electric Manufacturing Company. (See Ralston, H. H., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Schley, G. B., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Schneider, W. F., assignor.)
- Bullock Electric Manufacturing Company. (See Stull, E. W., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Stull, E. W., assignor.)
- Bullock Electric Manufacturing Company. (See Tatum, L. L., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Tatum, L. L., assignor.)
- Bullock Electric Manufacturing Company. (See Van Valkenburg, H. L., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Van Valkenburg, H. L., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Wessling, A. G., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Williamson, R. B., assignor.)
- Bullock Electric Manufacturing Company *et al.* (See Wouters, A. H., assignor.)
- Bullock, H. E., *et al.* (See Gray, T. J., assignor.)
- Bullock, H. E., *et al.* (See Scherling, R. C., assignor.)
- Bullock, H. E., Chicago, Ill. Cotton-picking machine. No. 877,754; Jan. 28; Sp. p. 4223; Dr. p. 916; Gaz. vol. 132; p. 775.
- Bullock, H. E., assignor to Illinois Malleable Iron Company, Chicago, Ill. Union. No. 883,080; Mar. 24; Sp. p. 5135; Dr. p. 1096; Gaz. vol. 133; p. 942.
- Bullock, H. S., Jr., assignor to American District Telegraph Company, New York, N. Y. Call-box. No. 883,447; Mar. 31; Sp. p. 5931; Dr. pp. 1265-6; Gaz. vol. 133; p. 1094.
- Bullock, J., *et al.* (See Ridenour, C. D., assignor.)
- Bullock, J. E., *et al.* (See Gray, T. J., assignor.)
- Bullock, J. C., *et al.* (See Scherling, R. C., assignor.)
- Bullock, L. C., Jr., Milesburg, Pa. Chair or swing seat. No. 901,321; Oct. 20; Sp. p. 2586; Dr. p. 532; Gaz. vol. 136; p. 1541.
- Bullock, T. H., Jr., assignor to J. H. Dale, New York, N. Y. Insulated canopy-collar. No. 885,836; Apr. 28; Sp. p. 4466; Dr. p. 938; Gaz. vol. 133; p. 1986.
- Bulock, C. O., Akron, Ohio. Shade-roller. No. 896,889; Aug. 25; Sp. p. 4228; Dr. p. 904; Gaz. vol. 135; p. 1653.
- Bulova, J., New York, N. Y. Bracelet. No. 898,181; Sept. 8; Sp. p. 1939; Dr. p. 413; Gaz. vol. 136; p. 336.
- Bültzingslöwen, B. von, assignor to F. Kornicker, New York, N. Y. Tea-strainer. No. 880,190; Feb. 25; Sp. p. 4745; Dr. p. 1004; Gaz. vol. 132; p. 1706.
- Bumm, W., Philadelphia, Pa. Salt-cellar. No. 900,911; Oct. 13; Sp. p. 1794; Dr. p. 363; Gaz. vol. 136; p. 1375.
- Bump, G. F., Newton, Iowa. Rotary engine. No. 907,732; Dec. 29; Sp. p. 5163; Gaz. vol. 137; p. 1954.
- Bunce, E. M., Fenton, Mich. Apparatus for burning fuel in furnaces. No. 906,194; Dec. 8; Sp. p. 2120; Gaz. vol. 137; p. 1363.
- Bundesen, E. (See Traulsen and Bundesen.)
- Bundsmann, E. T., assignor to Point Loma Chemical Company, Point Loma, Cal. Sulfur dye and making same. No. 897,873; Sept. 8; Sp. p. 1290; Gaz. vol. 136; p. 256.
- Bundy, W. H., Syracuse, N. Y. Time-recorder. No. 898,718; Sept. 15; Sp. p. 2965; Dr. p. 635; Gaz. vol. 136; p. 540.
- Bunge, J. C., Amsterdam, Netherlands. Apparatus for punching music-strips. No. 899,238; Sept. 22; Sp. p. 3953; Dr. pp. 842-4; Gaz. vol. 136; p. 738.

Alphabetical list of patentees—Continued.

- Bungeroth, W. G., Liverpool, England. Mechanism for controlling the actions of tools. No. 895,722; Aug. 11; Sp. p. 1892; Dr. p. 401; Gaz. vol. 135; p. 1231.
- Bunker, J. W., Providence, R. I., assignor to Providence Plant Irrigator Company. Irrigating device. No. 880,968; Mar. 3; Sp. p. 968; Dr. p. 209; Gaz. vol. 133; p. 164.
- Bunker, W., Eaton Rapids, Mich. Egg-turner. No. 886,185; Apr. 28; Sp. p. 5166; Dr. p. 1087; Gaz. vol. 133; p. 2099.
- Bunn, R. N. (See Pickens, J. C., assignor.)
- Bunnell, C. D. (See Braen, P. and J., assignors.)
- Bunnell, J. S., Ioamosa, Cal. Supporting-rack. No. 891,142; June 16; Sp. p. 3934; Dr. p. 861; Gaz. vol. 134; p. 1749.
- Bunnell, M. G., Porter, Ind. Hook and eye. No. 905,825; Dec. 1; Sp. p. 1409; Gaz. vol. 137; p. 1214.
- Bunnell, M. G., Porter, Ind., assignor to Austin Manufacturing Company, Chicago, Ill. Crusher. No. 879,242; Feb. 18; Sp. p. 2764; Dr. p. 579; Gaz. vol. 132; p. 1363.
- Bunnell, M. G., Porter, Ind., assignor to Austin Manufacturing Company, Chicago, Ill. Ditching and grading machine. No. 884,068; Apr. 7; Sp. p. 801; Dr. pp. 169-70; Gaz. vol. 133; p. 1321.
- Bunnell, M. G., Porter, Ind., assignor to Austin Manufacturing Company, Chicago, Ill. Ditching and grading machine. No. 902,708; Nov. 3; Sp. p. 353; Gaz. vol. 137; p. 60.
- Bunnell, M. G., Porter, Ind., assignor to Austin Manufacturing Company, Chicago, Ill. Ditching and grading machine. (Reissue.) No. 12,875; Nov. 10; Sp. p. 2587; Gaz. vol. 137; p. 452.
- Bunnell, M. G., Porter, Ind., assignor to J. Cratty and G. C. Mastin, Chicago, Ill. Safety-razor. No. 896,688; Aug. 18; Sp. p. 3790; Dr. p. 819; Gaz. vol. 135; p. 1562.
- Bunsen Smokeless Furnace Company. (See Bean, O. U., assignor.)
- Bunting, H. C., Dumbar, Pa. Hinge-seat gage. No. 899,947; Sept. 29; Sp. p. 5402; Dr. p. 1152; Gaz. vol. 136; p. 1002.
- Bunting, K. S., Moulton, Tex. Machine for gathering cotton-squares. No. 889,757; June 2; Sp. p. 1113; Dr. p. 258; Gaz. vol. 134; p. 1237.
- Bur, H. J., assignor to Climax Hoist Company, Philadelphia, Pa. Chain-hoist. No. 892,973; July 7; Sp. p. 1166; Dr. pp. 245-6; Gaz. vol. 135; p. 196.
- Burbach, A., Leipzig-Schleussig, assignor to J. G. Schelter & Giesecke, Leipzig, Germany. Printing-press, especially of the bed-and-platen type. No. 881,998; Mar. 17; Sp. p. 3042; Dr. pp. 647-8; Gaz. vol. 133; p. 556.
- Burbank, L. S., Niagara Falls, N. Y. Engine. No. 892,804; July 7; Sp. p. 806; Dr. pp. 170-1; Gaz. vol. 135; p. 138.
- Burbury, A. W., Woodbury, Tasmania, Australia. Wire-fastener. No. 904,506; Nov. 24; Sp. p. 4061; Gaz. vol. 137; p. 741.
- Burecy, C. J. T., Syracuse, assignor of one-fourth to F. R. Hazard, Solway, N. Y. Apparatus for manufacturing charcoal. No. 883,731; Apr. 7; Sp. p. 197; Dr. pp. 36-7; Gaz. vol. 133; p. 1225.
- Burch, C. E. S. (See Burch, F. R. and C. E. S.)
- Burch, C. E. S., Seattle, Wash. Automobile-sleigh. No. 903,540; Nov. 10; Sp. p. 2016; Gaz. vol. 137; p. 361.
- Burch, F. R. and C. E. S., Seattle, Wash. Power-transmitting mechanism. No. 881,846; Mar. 10; Sp. p. 2685; Dr. p. 574; Gaz. vol. 133; p. 477.
- Burch, F. W., Pueblo, Colo. Tent. No. 887,029; May 5; Sp. p. 1372; Dr. pp. 291-2; Gaz. vol. 134; p. 228.
- Burch, F. W., Pueblo, Colo. Combination tent and sleeping-bag. No. 902,133; Oct. 27; Sp. p. 4315; Dr. p. 874; Gaz. vol. 136; p. 1839.
- Burch, I. O. (See Mayer and Burch.)
- Burch, L. H., Dryden, N. Y. Mail-bag-receiving apparatus. No. 882,293; Mar. 17; Sp. p. 3614; Dr. p. 766; Gaz. vol. 133; p. 651.
- Burchard, A. H. (See Myers and Burchard.)
- Burchardi, B. T. (See Wahlstrom, V. J., assignor.)
- Burchill, J. C., Jamaica Plain, Mass. Presser-foot for irregular molders. No. 882,777; Mar. 24; Sp. p. 4534; Dr. p. 968; Gaz. vol. 133; p. 842.
- Bürckhalter, A. S., Barnwell, S. C. Rake. No. 889,656; June 2; Sp. p. 904; Dr. p. 209; Gaz. vol. 134; p. 1207.
- Bürckhardt, E., Mannheim, Germany. Centering apparatus for portable drilling-machines and the like. No. 879,142; Feb. 18; Sp. p. 2578; Dr. p. 537; Gaz. vol. 132; p. 1330.
- Bürckhardt, F., St. Charles, Mo. Window-screen. No. 882,778; Mar. 24; Sp. p. 4536; Dr. p. 968; Gaz. vol. 133; p. 842.
- Bürckhardt, R. (See De la Harpe and Bürckhardt.)
- Bürckhardt, R. (See De la Harpe, Bürckhardt, and Zehntner.)
- Burd, R. L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Electrically-operated adding-machine. No. 890,960; June 16; Sp. p. 3617; Dr. pp. 786-7; Gaz. vol. 134; p. 1692.
- Burden, H. 2d. (See Blakeslee, M. D., assignor.)
- Burdett, B. M., Roselle, N. J. Hod. No. 884,566; Apr. 14; Sp. p. 1820; Dr. pp. 390-1; Gaz. vol. 133; p. 1513.
- Burdett, B. W. and F. M., Simpsonville, S. C. Supporting-plate for vehicle-bodies. No. 895,537; Aug. 11; Sp. p. 1533; Dr. p. 324; Gaz. vol. 135; p. 1172.
- Burdett, F. M. (See Burdett, B. W. and F. M.)
- Burdett, P., Clifton, assignor to J. F. McAmmond and J. B. Gatenbee, Scottsville, N. Y. Pruning-saw. No. 900,661; Oct. 6; Sp. p. 1266; Dr. p. 259; Gaz. vol. 136; p. 1267.
- Burdett-Rowntree Manufacturing Company. (See Rowntree, H., assignor.)
- Burdick, C., assignor to Merwin Manufacturing Company, Erie, Pa. Wire-cutting device. No. 889,177; May 26; Sp. p. 5767; Dr. p. 1220; Gaz. vol. 134; p. 1021.
- Burdick, W. O., Stockton, Cal. Non-binding necktie. No. 880,191; Feb. 25; Sp. p. 4746; Dr. p. 1005; Gaz. vol. 132; p. 1707.
- Burdine, J. W. P., Lake Arthur, La. Recorder for sawmills. No. 892,805; July 7; Sp. p. 809; Dr. pp. 172-3; Gaz. vol. 135; p. 139.
- Burdon, J., W. M., and M. M., Bellshill, Scotland. Liquid-fuel furnace. No. 882,294; Mar. 17; Sp. p. 3615; Dr. pp. 766-7; Gaz. vol. 133; p. 652.
- Burdon, M. M. (See Burdon, J. W. M., and M. M.)
- Burdon, W. C., assignor of forty-nine one-hundredths to C. H. Jenkins and T. W. Moran, Louisville, Ky. Trolley-catcher. No. 888,418; May 19; Sp. p. 4183; Dr. p. 886; Gaz. vol. 134; p. 741.
- Burdon, W. M. (See Burdon, J. W. M., and M. M.)
- Buren, C. C., assignor of one-half to Q. F. and R. R. Robinson, Waterloo, Iowa. Lunch-heater. No. 899,026; Sept. 22; Sp. p. 3534; Dr. p. 756; Gaz. vol. 136; p. 668.
- Burg, B. R., Pana, Kans. Funnel. No. 883,280; Mar. 31; Sp. p. 5590; Dr. p. 1191; Gaz. vol. 133; p. 1041.
- Burg, H. L. (See Burg, O. E., and H. L.)
- Burg, L., Dallas City, Ill. Ball-bearing for vehicle-wheels. No. 894,940; Aug. 4; Sp. p. 330; Dr. p. 67; Gaz. vol. 135; p. 947.
- Burg, L., Dallas City, Ill. Vehicle-shaft. No. 898,036; Sept. 8; Sp. p. 1653; Dr. p. 352; Gaz. vol. 136; p. 290.
- Burg, L., Dallas City, Ill. Nut-lock. No. 898,719; Sept. 15; Sp. p. 2967; Dr. p. 636; Gaz. vol. 136; p. 540.
- Burg, O. E. and H. L., Dallas City, Ill. Vehicle-top. No. 882,282; Mar. 17; Sp. p. 3495; Dr. p. 742; Gaz. vol. 133; p. 630.
- Burge, C. L., Hoffman, Minn. Horse-detacher. No. 896,618; Aug. 18; Sp. p. 3648; Dr. p. 783; Gaz. vol. 135; p. 1541.
- Burge, J. M., Decatur, Ill. Combined insulator and lamp-hanger. No. 887,996; May 19; Sp. p. 3371; Dr. p. 708; Gaz. vol. 134; p. 606.
- Burger, C. C. (See Gautier, T. B., assignor.)
- Burger, F., Fort Wayne, assignor of three-fourths to H. M. Williams, Allen, Ind. Revolving grate. No. 877,487; Jan. 28; Sp. p. 3686; Dr. p. 799; Gaz. vol. 132; p. 689.
- Burger, J. A., Detroit, Mich. Friction-board for drop-forging hammers. No. 901,779; Oct. 20; Sp. p. 3609; Dr. p. 731; Gaz. vol. 136; p. 1695.
- Burger, R., Berlin, Germany, assignor to American Thermos Bottle Company, New York, N. Y. Double-walled vessel. No. 884,567; Apr. 14; Sp. p. 1823; Dr. p. 391; Gaz. vol. 133; p. 1513.
- Burger, R., Berlin, Germany, assignor to American Thermos Bottle Company, New York, N. Y. Double-walled vessel or the like. No. 888,783; May 26; Sp. p. 4445; Dr. p. 1054; Gaz. vol. 134; p. 893.
- Burgess, C., Jr., Wenona, Ill. Gas-engine. No. 895,155; Aug. 4; Sp. p. 753; Dr. p. 157; Gaz. vol. 135; p. 1019.
- Burgess, C., Jr., Wenona, Ill. Spring construction. No. 902,937; Nov. 3; Sp. p. 818; Gaz. vol. 137; p. 135.
- Burgess, C., assignor to G. Tibbils, Rochester, N. Y. Ironing-board attachment. No. 901,950; Oct. 27; Sp. p. 3935; Dr. p. 803; Gaz. vol. 136; p. 1780.
- Burgess, C. F., Madison, Wis. Making refractory articles. No. 884,463; Apr. 14; Sp. p. 1605; Dr. p. 346; Gaz. vol. 133; p. 1479.
- Burgess, F. S., New York, N. Y. Window attachment. No. 879,811; Feb. 18; Sp. p. 3928; Dr. p. 824; Gaz. vol. 132; p. 1548.
- Burgess, J. C., assignor to L. M. Barrett, Indianapolis, Ind. Adjustable wrench. No. 900,828; Oct. 13; Sp. p. 1623; Dr. p. 328; Gaz. vol. 136; p. 1349.
- Burgess, J. D., Canton, Ill. Draft-evener. No. 891,403; June 23; Sp. p. 4506; Dr. p. 980; Gaz. vol. 134; p. 1869.
- Burgess, J. D., Tucson, Ariz. Ter., assignor of two-thirds to A. and W. H. Taylor, Jr., San Francisco, Cal. Bessemerizing or conversion of copper mattes into blister copper. No. 877,292; Jan. 21; Sp. p. 3308; Dr. pp. 716-17; Gaz. vol. 132; p. 606.
- Burgess, J. P., Depauw, Ind. Separating buckhorn and plantain seeds from clover-seeds. No. 878,116; Feb. 4; Sp. p. 447; Dr. p. 95; Gaz. vol. 132; p. 921.
- Burgess, N., Highlands, N. J. Stage apparatus. No. 883,290; Mar. 31; Sp. p. 5592; Dr. p. 1192; Gaz. vol. 133; p. 1042.

Alphabetical list of patentees—Continued.

- Burgess, N., Highlands, N. J. Apparatus for producing illusory dramatic effects. No. 883,291; Mar. 31; Sp. p. 5595; Dr. p. 1192; Gaz. vol. 133; p. 1042.
- Burgess, P. V., Greenwood, Mo. Device for holding plowshares. No. 876,325; Jan. 14; Sp. p. 1263; Dr. p. 274; Gaz. vol. 132; p. 242.
- Burgess, S. (See Ames, Burgess, and Traynor.)
- Burgess, S. (See Traynor, Burgess, and Ames.)
- Burgess & Sauerberg. (See Gröndahl, H., assignor.)
- Burgess, W. F., Atwood, W. Va. Plug for gas-wells. No. 901,874; Oct. 20; Sp. p. 3773; Dr. p. 767; Gaz. vol. 136; p. 1725.
- Burgess, W. S., Chicago, Ill. Compression-coupling. No. 906,099; Dec. 8; Sp. p. 1936; Gaz. vol. 137; p. 1331.
- Burgess, Y., Washington, D. C. Electric railway signaling system. No. 904,834; Nov. 24; Sp. p. 4747; Gaz. vol. 137; p. 852.
- Burgess, Y., Washington, D. C., assignor, by mesne assignments, to American Signal Company, Kansas City, Mo. Electric-railway signaling system. No. 892,359; June 30; Sp. p. 6415; Dr. pp. 1384-5; Gaz. vol. 134; p. 2215.
- Burget, J. M. (See Knobloch and Burget.)
- Burgher, F. I., New York, N. Y. Shrinking and finishing woolen and other fabrics. No. 665,664; Apr. 21; Sp. p. 4093; Dr. p. 856; Gaz. vol. 133; p. 1898.
- Burner, C. L., Clinton, Ohio. Apparatus for unloading hay in barns. No. 881,542; Mar. 10; Sp. p. 2080; Dr. p. 455; Gaz. vol. 133; p. 379.
- Burhans, P. C., Phenix, N. D. Ice-can. No. 878,501; Feb. 11; Sp. p. 1304; Dr. p. 263; Gaz. vol. 132; p. 1082.
- Burhans, R. D., Keokuk, Iowa. Account-keeping device. No. 875,774; Jan. 7; Sp. p. 192; Dr. p. 41; Gaz. vol. 132; p. 37.
- Burhans, R. D., Keokuk, Iowa. Computer. No. 896,710; Aug. 25; Sp. p. 3836; Dr. pp. 830-1; Gaz. vol. 135; p. 1592.
- Burhop, H. C. (See Neumeister and Burhop.)
- Burhorn, E., Hoboken, N. J. Floor. No. 875,775; Jan. 7; Sp. p. 195; Dr. p. 41; Gaz. vol. 132; p. 36.
- Burhorn, E., Hoboken, N. J. Cooling device. No. 890,332; June 9; Sp. p. 2312; Dr. p. 511; Gaz. vol. 134; p. 1455.
- Burhorn, E., Hoboken, N. J. Subaqueous rock-breaker. No. 892,645; July 7; Sp. p. 489; Dr. pp. 104-5; Gaz. vol. 134; p. 88.
- Burhorn, E., Hoboken, N. J. By-pass. No. 900,479; Oct. 6; Sp. p. 869; Dr. pp. 177-8; Gaz. vol. 136; p. 1207.
- Burian, A., Klucov, Austria-Hungary. Dry separator for corn, grain, semolina, flour, bran, and the like. No. 895,616; Aug. 11; Sp. p. 1681; Dr. p. 355; Gaz. vol. 135; p. 1196.
- Burk, E. L., Goodell, Iowa. Check-hook. No. 878,865; Feb. 11; Sp. p. 2036; Dr. p. 421; Gaz. vol. 132; p. 1202.
- Burk, T. F., Providence, R. I. Knife. No. 880,123; Feb. 25; Sp. p. 4607; Dr. p. 971; Gaz. vol. 132; p. 1684.
- Burk, W. H., Fostoria, Ohio. Heater. No. 887,915; May 19; Sp. p. 3217; Dr. p. 677; Gaz. vol. 134; p. 579.
- Burkdoll, A. R. (See Worth, W. O. and J. D., assignors.)
- Burke, E. J., Brooklyn, N. Y. Telephone system. (Reissue.) No. 12,756; Mar. 3; Sp. p. 1217; Dr. p. 262; Gaz. vol. 133; p. 207.
- Burke, E. J., New York, N. Y. Indicator. No. 906,100; Dec. 8; Sp. p. 1938; Gaz. vol. 137; p. 1331.
- Burke Electric Company. (See Burke, J., assignor.)
- Burke, F. J., Rochester, N. Y. Sole-marking machine. No. 893,901; July 21; Sp. p. 3175; Dr. p. 653; Gaz. vol. 135; p. 558.
- Burke, G. P. and P. D., Roswell, S. D. Screening-machine. No. 901,519; Oct. 20; Sp. p. 3059; Dr. p. 625; Gaz. vol. 136; p. 1611.
- Burke, H. B., Youngwood, Pa. Metallic tie. No. 885,581; Apr. 21; Sp. p. 3932; Dr. p. 821; Gaz. vol. 133; p. 1872.
- Burke, J. (See Burke, M. and J.)
- Burke, J., Erie, Pa., assignor to Burke Electric Company. Dynamo-electric machine. No. 893,979; July 21; Sp. p. 3341; Dr. pp. 685-6; Gaz. vol. 135; p. 584.
- Burke, J. F. *et al.* (See De Martino, J., assignor.)
- Burke, J. J., Pittsburg, Pa. Store-front construction. No. 881,897; Mar. 17; Sp. p. 2826; Dr. pp. 603-4; Gaz. vol. 133; p. 523.
- Burke, J. J., assignor of one-half to M. Monroe, Buffalo, N. Y. Paper milk-bottle. No. 889,758; June 2; Sp. p. 1114; Dr. p. 259; Gaz. vol. 134; p. 1238.
- Burke, L. M., Lay, Colo. Feed-bag. No. 896,619; Aug. 18; Sp. p. 3650; Dr. p. 784; Gaz. vol. 135; p. 1542.
- Burke, M. and J., Chicago, Ill., Addressing-machine. No. 878,117; Feb. 4; Sp. p. 448; Dr. pp. 95-6; Gaz. vol. 132; p. 921.
- Burke, N., Warren, N. H. Swinging chair. No. 907,733; Dec. 29; Sp. p. 5165; Gaz. vol. 137; p. 1954.
- Burke, N. G., Hot Springs, Ark. Bottle. No. 882,864; Mar. 24; Sp. p. 4730; Dr. p. 1005; Gaz. vol. 133; p. 872.
- Burke, P. D. (See Burke, G. P. and P. D.)
- Burke, P. W., Chicago, Ill. Water-tube-circulating steam-boiler. No. 899,948; Sept. 29; Sp. p. 5403; Dr. p. 1152; Gaz. vol. 136; p. 1003.
- Burke, T. A., Galesburg, Ill. Lever. No. 889,198; June 2; Sp. p. 20; Dr. p. 5; Gaz. vol. 134; p. 1060.
- Burke, T. F., New Castle, Pa. Freight-car-supporting frame. No. 896,082; Aug. 18; Sp. p. 2607; Dr. p. 565; Gaz. vol. 135; p. 1369.
- Burke, T. J., New Orleans, La. Railway-switch. No. 884,792; Apr. 14; Sp. p. 2320; Dr. p. 488; Gaz. vol. 133; p. 1589.
- Burke, T. N., Chicago, Ill. Seat-cushion. No. 878,040; Feb. 4; Sp. p. 304; Dr. p. 64; Gaz. vol. 132; p. 897.
- Burke, T. N., Chicago, Ill. Alarm-signal. No. 906,609; Dec. 15; Sp. p. 2885; Gaz. vol. 137; p. 1522.
- Burke, T. N., Chicago, Ill. Fire-extinguisher. No. 908,201; Dec. 29; Sp. p. 6161; Gaz. vol. 137; p. 2110.
- Burke, W., Millburn, N. J. Spool-molding machine. No. 876,144; Jan. 7; Sp. p. 898; Dr. pp. 193-4; Gaz. vol. 132; p. 153.
- Bürker, C., and J. and J. Klee, Cologne, Germany. Stay or support with steps for producing concrete ceilings. No. 906,195; Dec. 8; Sp. p. 2123; Gaz. vol. 137; p. 1364.
- Burkert, C. L., Roe, Ark. Log-turner. No. 896,620; Aug. 18; Sp. p. 3651; Dr. p. 784; Gaz. vol. 135; p. 1542.
- Burkham, C. H., Newark, Ohio. Garment attachment. No. 891,592; June 23; Sp. p. 4885; Dr. p. 1052; Gaz. vol. 134; p. 1929.
- Burkhard, J. T., Lewisville, Ohio. Washing-machine. No. 889,657; June 2; Sp. p. 905; Dr. p. 210; Gaz. vol. 134; p. 1207.
- Burkholder, A., Lincolnville, Okla. Tube and rod clamp. No. 906,505; Dec. 15; Sp. p. 2695; Gaz. vol. 137; p. 1490.
- Burkholder, J. H., Ashland, Ohio. Door-hanger. No. 876,621; Jan. 14; Sp. p. 1931; Dr. pp. 421-2; Gaz. vol. 132; p. 344.
- Burkholder, J. H., Ashland, Ohio. Lifting-jack. No. 887,734; May 12; Sp. p. 2829; Dr. p. 598; Gaz. vol. 134; p. 490.
- Burkholder, J. H., Ashland, Ohio, assignor to J. E. Porter Company, Ottawa, Ill. Door-hanger. No. 895,156; Aug. 4; Sp. p. 754; Dr. p. 157; Gaz. vol. 135; p. 1020.
- Burkholder, J. H., Ashland, assignor to Ney Manufacturing Company, Canton, Ohio. Track for sliding doors. No. 908,390; Dec. 29; Sp. p. 6552; Gaz. vol. 137; p. 2175.
- Burkholder, J. W., Moline, Ill. Egg-tester. No. 900,082; Oct. 6; Sp. p. 16; Dr. p. 3; Gaz. vol. 136; p. 1077.
- Burleigh, G. H., Jersey City, N. J. Mechanical waste. No. 892,646; July 7; Sp. p. 491; Dr. p. 105; Gaz. vol. 135; p. 88.
- Burleigh, G. H., Jersey City, N. J. Mechanical waste. No. 903,836; Nov. 17; Sp. p. 2618; Gaz. vol. 137; p. 486.
- Burleson, A. M., North Fort Worth, assignor of one-third to J. W. Davis, Fort Worth, Tex. Machine for splitting hogs and cattle through the backbones. No. 902,709; Nov. 3; Sp. p. 356; Gaz. vol. 137; p. 60.
- Burley, I. E., assignor of one-half to J. Henry, Highwood, Mont. Measuring instrument. No. 876,264; Jan. 7; Sp. p. 1120; Dr. p. 243; Gaz. vol. 132; p. 190.
- Burlingame, E. A., San Francisco, Cal., assignor to Burlingame Telegraphing Typewriter Company. Carriage-return mechanism for type-writers. No. 898,310; Sept. 8; Sp. p. 2168; Dr. p. 460; Gaz. vol. 136; p. 375.
- Burlingame Telegraphing Typewriter Company. (See Burlingame, E. A., assignor.)
- Burn, J. F., Detroit, Mich. Producing road metal. No. 887,188; May 12; Sp. p. 1671; Dr. p. 355; Gaz. vol. 134; p. 306.
- Burnard, H. C., Tower, Mich. Picture-hanger. No. 881,661; Mar. 10; Sp. p. 2331; Dr. p. 505; Gaz. vol. 133; p. 419.
- Burnaugh, S. L., Jr., Enterprise, Oreg. Folding gun-rest. No. 889,658; June 2; Sp. p. 907; Dr. pp. 210-11; Gaz. vol. 134; p. 1207.
- Burnell, J. C., Chicago, Ill. Advertising and other air-ship. No. 888,220; May 19; Sp. p. 3784; Dr. p. 794; Gaz. vol. 134; p. 677.
- Burner, W. L. (See Bieber and Burner.)
- Burnes, E. H., Amsterdam, N. Y. Aerating-churn. No. 878,339; Feb. 4; Sp. p. 911; Dr. p. 182; Gaz. vol. 132; p. 996.
- Burnes, E. H., assignor of one-third to P. H. Alexander, Amsterdam, N. Y. Trolley-pole mount. No. 895,070; Aug. 4; Sp. p. 558; Dr. p. 122; Gaz. vol. 135; p. 991.
- Burnet, H., Ottawa, Ontario, Canada. Manufacturing air-chambers for relief-valves. No. 899,656; Sept. 29; Sp. p. 4776; Dr. p. 1022; Gaz. vol. 136; p. 908.
- Burnett, F. A., Holyoke, Mass. Envelop-machine. No. 876,689; Jan. 14; Sp. p. 2072; Dr. pp. 450-1; Gaz. vol. 132; p. 367.
- Burnett, H. K., Hyde Park, and G. H. Bährer, Poughkeepsie, N. Y. Ice-cutting machine. No. 899,825; Sept. 29; Sp. p. 5137; Dr. p. 1099; Gaz. vol. 136; p. 964.
- Burnett, H. S., Lisbon, Ohio. Clevis. No. 880,626; Mar. 3; Sp. p. 280; Dr. p. 60; Gaz. vol. 133; p. 49.
- Burnett, M. O., Des Moines, Iowa. Concrete bridge. No. 887,189; May 12; Sp. p. 1672; Dr. p. 355; Gaz. vol. 134; p. 307.
- Burnett, W. E., assignor to Wyckoff, Seamans & Benedict, Iliou, N. Y. Type-writing machine. No. 904,177; Nov. 17; Sp. p. 3356; Gaz. vol. 137; p. 604.
- Burnette, E. C., Parsons, Kans. Mail-bag catcher and deliverer. No. 896,890; Aug. 25; Sp. p. 4231; Dr. p. 904; Gaz. vol. 135; p. 1653.
- Burnfield, D., Denver, Colo. Locomotive-head and signal light. No. 903,355; Nov. 10; Sp. p. 1634; Gaz. vol. 137; p. 299.
- Burnham, I. F., Stoughton, Mass., assignor to Stoughton Rubber Company. Squeeze-roll for wool-washing machinery. No. 900,055; Sept. 29; Sp. p. 5645; Dr. p. 1205; Gaz. vol. 136; p. 1039.
- Burnham, J. H., Uniontown, Pa. Oscillating steam-balanced valve. No. 884,362; Apr. 14; Sp. p. 1408; Dr. p. 301; Gaz. vol. 133; p. 1445.
- Burnham, L., Urbana, Ohio. Gas-engine starter. No. 903,269; Nov. 10; Sp. p. 1476; Gaz. vol. 137; p. 272.
- Burnham, S., Rochester, N. Y. Heel for boots and shoes. No. 892,647; July 7; Sp. p. 495; Dr. p. 105; Gaz. vol. 135; p. 88.

Alphabetical list of patentees—Continued.

- Burnham, Williams & Company. (See Rushton, K., assignor.)
 Burnham, Williams & Company, Firm of. (See Vauclain, S. M., assignor.)
 Burnitol Mfg. Co. (See Potter, H. J., assignor.)
 Burnley, R. T., Atlanta, Ga. Dental instrument. No. 907,003; Dec 15; Sp. p. 3629; Gaz. vol. 137; p. 1646.
 Burnop, W. A., Deerfield, assignor to Spitzli Manufacturing Company, Utica, N. Y. Socket ratchet-wrench. No. 886,476; May 5; Sp. p. 272; Dr. p. 57; Gaz. vol. 134; p. 50.
 Burnop, W. A., Deerfield, and G. H. Spitzli, assignors to Spitzli Manufacturing Company, Utica, N. Y. Antirattler thill-coupling. No. 892,397; July 7; Sp. p. 18; Dr. p. 6; Gaz. vol. 135; p. 6.
 Burns, A. J., Oswego, N. Y. Automatic electrical release-starter. No. 876,326; Jan. 14; Sp. p. 1264; Dr. pp. 274-5; Gaz. vol. 132; p. 242.
 Burns, A. J., Oswego, N. Y. Motor-starter. No. 897,713; Sept. 1; Sp. p. 953; Dr. pp. 204-5; Gaz. vol. 136; p. 153.
 Burns, C. A., New York, N. Y. Stool. No. 891,143; June 16; Sp. p. 3935; Dr. p. 861; Gaz. vol. 134; p. 1750.
 Burns, E. A., Hartford, Conn., assignor, by mesne assignments, to Sterling Manufacturing Company, Sterling, Conn. Die for producing horseshoe-calks. No. 896,433; Aug. 18; Sp. p. 3291; Dr. p. 708; Gaz. vol. 135; p. 1481.
 Burns, F. B., New York N. Y. Textile-fabric cover. No. 897,583; Sept. 1; Sp. p. 701; Dr. pp. 147-8; Gaz. vol. 136; p. 111.
 Burns, G. (See Harrison and Burns.)
 Burns, J. (See Beaubien, R. E., assignor.)
 Burns, J. F., Philadelphia, Pa. Can-filler. No. 876,940; Jan. 21; Sp. p. 2574; Dr. p. 561; Gaz. vol. 132; p. 487.
 Burns, J. F., Philadelphia, Pa. Junction-box for electrical conductors. No. 892,220; June 30; Sp. p. 6154; Dr. p. 1325; Gaz. vol. 134; p. 2169.
 Burns, J. F., Philadelphia, Pa. Junction-box forelectrical conductors. No. 898,182; Sept. 8; Sp. p. 1939; Dr. p. 414; Gaz. vol. 136; p. 336.
 Burns, J. G., Buffalo, N. Y. Horseshoe. No. 886,939; May 5; Sp. p. 1199; Dr. p. 254; Gaz. vol. 134; p. 199.
 Burns, J. N., *et al.* (See Ballenger, D., assignor.)
 Burns, J. P., Bulcher, Tex. Lister-sweep. No. 896,083; Aug. 18; Sp. p. 2608; Dr. p. 565; Gaz. vol. 135; p. 1370.
 Burns, L. T., Waterbury, Conn. Automatic gas-burner. No. 882,664; Mar. 24; Sp. p. 4322; Dr. p. 919; Gaz. vol. 133; p. 807.
 Burns, M. F., administratrix. (See Francis, P.)
 Burns, N., Detroit, Mich. Clothes press or cabinet. No. 888,463; May 26; Sp. p. 4281; Dr. p. 906; Gaz. vol. 134; p. 786.
 Burns, O., Chicago, Ill. Savings-bank. No. 884,069; Apr. 7; Sp. p. 806; Dr. p. 171; Gaz. vol. 133; p. 1322.
 Burns, R., New York, N. Y. Roaster for coffee, &c. No. 879,731; Feb. 18; Sp. p. 3790; Dr. p. 795; Gaz. vol. 132; p. 1523.
 Burns, R. S., Aurora, Ill. Cash-box. No. 886,345; May 5; Sp. p. 15; Dr. p. 4; Gaz. vol. 134; p. 5.
 Burns, Silver & Co. (See Assel, J., assignor.)
 Burns, Silver & Co. (See Bassick, E. W., assignor.)
 Burns, W. F. (See Gilliland, E. T., assignor.)
 Burns, W. G. (See Barentzen, F. E., assignor.)
 Burns, W. H. (See Skinner, W. C., assignor.)
 Burns, W. H., Naperville, Ill. Electric insole. No. 892,360; June 30; Sp. p. 6417; Dr. p. 1385; Gaz. vol. 134; p. 2215.
 Burns, W. P., *et al.* (See Ballenger, D., assignor.)
 Burnside, G., Shiny Row, England. Safety boring apparatus. No. 882,741; Mar. 24; Sp. p. 4476; Dr. p. 953; Gaz. vol. 133; p. 832.
 Burnstein, S., New York, N. Y. Abdominal reducing-corset. No. 906,196; Dec. 8; Sp. p. 2124; Gaz. vol. 137; p. 1364.
 Burnstiel, J., *et al.* (See Walker, G., assignor.)
 Burr, C. C., Jersey City, N. J. Puzzle. No. 899,949; Sept. 29; Sp. p. 5405; Dr. p. 1152; Gaz. vol. 136; p. 1003.
 Burr, F. H., Atlantic, Iowa. Mail-receiving mechanism for railway-cars. No. 895,723; Aug. 11; Sp. p. 1894; Dr. p. 401; Gaz. vol. 135; p. 1231.
 Burr, H. J., *et al.* (See Corcilus, A. B., assignor.)
 Burr, J. M., and H. S. Gibbs, Norwalk, Conn. Seamless lining for tanks. No. 904,835; Nov. 24; Sp. p. 4750; Gaz. vol. 137; p. 852.
 Burra, W. P. (See Davidson and Burra.)
 Burrell, H., Sheffield, England. Hand-mirror. No. 876,039; Jan. 7; Sp. p. 683; Dr. p. 146; Gaz. vol. 132; p. 118.
 Burrell, W. C., Kankakee, Ill. Forming-machine. No. 884,464; Apr. 14; Sp. p. 1606; Dr. pp. 346-7; Gaz. vol. 133; p. 1479.
 Burri, A. L., and B. C. Donnelly, St. Joseph, Mo. Scaling-machine. No. 888,464; May 26; Sp. p. 4282; Dr. p. 906; Gaz. vol. 134; p. 786.
 Burris, G. P., Seattle, Wash. Roll-paper holder. No. 901,520; Oct. 20; Sp. p. 3061; Dr. p. 625; Gaz. vol. 136; p. 1611.
 Burris, H., Hemer, Germany. Typographer's composing and founding machine. No. 902,134; Oct. 27; Sp. p. 4316; Dr. p. 874; Gaz. vol. 136; p. 1839.
 Burris, J. E. (See Everts and Burris.)
 Burris, W. S., assignor of one-half to J. E. Harris, Richardson, Tex. Combination-tool. No. 890,258; June 9; Sp. p. 2139; Dr. p. 469; Gaz. vol. 134; p. 1430.
 Burroughs Adding Machine Company. (See Benner, R. E., assignor.)
 Burroughs Adding Machine Company. (See Burd, R. L., assignor.)
 Burroughs Adding Machine Company. (See Fisher, H. L., assignor.)
 Burroughs Adding Machine Company. (See Horry, W. S., assignor.)
 Burroughs Adding Machine Company. (See Mapel, C. O., assignor.)
 Burroughs Adding Machine Company. (See Streb, R. C., assignor.)
 Burroughs Adding Machine Company. (See Swalm, W. E., assignor.)
 Burroughs Adding Machine Company. (See Vincent, J. G., assignor.)
 Burroughs, E. R., assignor to Herendeen Manufacturing Company, Geneva, N. Y. Generator. No. 903,665; Nov. 10; Sp. p. 2268; Gaz. vol. 137; p. 400.
 Burroughs, J. H., *et al.* (See Davis, C. B., assignor.)
 Burroughs, O. B., *et al.* (See McGhie, W., assignor.)
 Burrows, E. T. (See Seavey, H. R., assignor.)
 Burrows, A., Woodward, Okla. Grappling bucket for cleaning wells. No. 904,680; Nov. 24; Sp. p. 4405; Gaz. vol. 137; p. 799.
 Burrows, C. W. (See Tverdahl, E. A., assignor.)
 Burrows, D. C. (See Davis and Burrows.)
 Burrows, E. W., Warren, Pa. Wick attachment for lamps and other burners. No. 876,523; Jan. 14; Sp. p. 1708; Dr. p. 371; Gaz. vol. 132; p. 310.
 Burrows, J. H., assignor of one-half to L. F. Garfield, Brockton, Mass. Machine for making nut-locking keys. No. 890,492; June 9; Sp. p. 2599; Dr. p. 576; Gaz. vol. 134; p. 1504.
 Burrows, J. H., Brockton, assignor to Burrows Lock-Nut & Bolt Company, Beverly, Mass. Nut-lock. No. 893,567; July 14; Sp. p. 2422; Dr. p. 504; Gaz. vol. 135; p. 418.
 Burrows Lock-Nut & Bolt Company. (See Burrows, J. H., assignor.)
 Burrows, W. J., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air-gun. No. 904,507; Nov. 24; Sp. p. 4062; Gaz. vol. 137; p. 741.
 Burrows, W. R., Newark, N. J., assignor to General Electric Company. Machine for making incandescent lamps. No. 884,568; Apr. 14; Sp. p. 1824; Dr. p. 391; Gaz. vol. 133; p. 1513.
 Burruss, J. G. (See Young and Burruss.)
 Burry, J., deceased, Ridgefield Park, N. J.; M. Burry, executrix. Selecting device for electrical signaling apparatus. No. 888,692; May 26; Sp. p. 4763; Dr. p. 1013; Gaz. vol. 134; p. 864.
 Burry, J., deceased, Ridgefield Park, N. J.; M. Burry, executrix. Printing-telegraph receiver. No. 905,126; Nov. 24; Sp. p. 5336; Gaz. vol. 137; p. 949.
 Burry, M., executrix. (See Burry, J.)
 Bursik, F., Chicago, Ill. Holder and fastener for storm-sashes and the like. No. 885,015; Apr. 21; Sp. p. 2748; Dr. p. 583; Gaz. vol. 133; p. 1690.
 Burson, G., Winamac, Ind. Machine for making bricks. No. 875,776; Jan. 7; Sp. p. 195; Dr. pp. 41-2; Gaz. vol. 132; p. 36.
 Burson Knitting Company. (See Burson, W. W., assignor.)
 Burson Knitting Company. (See Vogel, P. F., assignor.)
 Burson, W. W. (See Burson, W. W. and W. W.)
 Burson, W. W., Chicago, Ill. Straight-knitting machine. No. 892,933; July 7; Sp. p. 1096; Dr. pp. 230-1; Gaz. vol. 135; p. 182.
 Burson, W. W., Chicago, assignor to Burson Knitting Company, Rockford, Ill. Singeing-machine. No. 875,980; Jan. 7; Sp. p. 572; Dr. pp. 123-4; Gaz. vol. 132; p. 100.
 Burson, W. W., Chicago, and W. W. Burson, Rockford, Ill. Machine for destroying the cotton boll-weevil. No. 888,419; May 19; Sp. p. 4185; Dr. p. 887; Gaz. vol. 134; p. 742.
 Burt, A. F., and F. S. Snyder, Whitehall, N. Y. Unloading apparatus. No. 896,271; Aug. 18; Sp. p. 2951; Dr. p. 636; Gaz. vol. 135; p. 1430.
 Burt, A. H., Buffalo, N. Y., assignor to National Candy Company, Jersey City, N. J. Display-box. No. 876,146; Jan. 7; Sp. p. 901; Dr. p. 194; Gaz. vol. 132; p. 153.
 Burt, A. W., Roselle Park, N. J. Dose-stopper. No. 890,018; June 9; Sp. p. 1640; Dr. p. 367; Gaz. vol. 134; p. 1350.

Alphabetical list of patentees—Continued.

- Burt, E., El Oro, Mexico. Filter. (Reissue.) No. 12,807; June 9; Sp. p. 2806; Dr. p. 618; Gaz. vol. 134; p. 1538.
 Burt, J. (See Vold and Burt.)
 Burt, J., Narberth, assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Lathe-driver. No. 881,373; Mar. 10; Sp. p. 1770; Dr. p. 382; Gaz. vol. 133; p. 325.
 Burt Machine Company. (See Wild, F. W., Jr., assignor.)
 Burt Olney Canning Company. (See Thomas, A. W., assignor.)
 Burtch, D. H., assignor of one-third to M. T. Gautreaux, Morgan City, La. Door-lock. No. 883,158; Mar. 24; Sp. p. 5300; Dr. p. 1131; Gaz. vol. 133; p. 968.
 Burtch, D. H., assignor of one-third to M. T. Gautreaux, Morgan City, La. Lock and latch. No. 885,225; Apr. 21; Sp. p. 3217; Dr. p. 671; Gaz. vol. 133; p. 1760.
 Burtis, H. J., Lawrence, Kans. Computing-machine. No. 890,600; June 16; Sp. p. 2840; Dr. p. 625; Gaz. vol. 134; p. 1573.
 Burton, C. G., Peru, Ind. Socket for electric lamps. No. 881,297; Mar. 10; Sp. p. 1616; Dr. p. 346; Gaz. vol. 133; p. 301.
 Burton, C. H., assignor to United States Pneumatic Company, Washington, D. C. Terminal for pneumatic-tube systems. No. 891,144; June 16; Sp. p. 3936; Dr. p. 861; Gaz. vol. 134; p. 1750.
 Burton, C. H., assignor to United States Pneumatic Company, Washington, D. C. Terminal for pneumatic-tube systems. No. 891,324; June 23; Sp. p. 4332; Dr. p. 945; Gaz. vol. 134; p. 1845.
 Burton, C. H., assignor to C. T. McCoy, trustee, Washington, D. C. Hot-water radiator. No. 893,142; July 14; Sp. p. 1538; Dr. p. 324; Gaz. vol. 135; p. 282.
 Burton, C. J., Beatrice, Nebr. Booth. No. 895,538; Aug. 11; Sp. p. 1534; Dr. pp. 324-5; Gaz. vol. 135; p. 1172.
 Burton, C. S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Pedestal-extension-table lock. No. 892,131; June 30; Sp. p. 5976; Dr. p. 1285; Gaz. vol. 134; p. 2139.
 Burton, C. S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Pedestal-table-locking device. No. 893,980; July 21; Sp. p. 3351; Dr. p. 686; Gaz. vol. 135; p. 585.
 Burton, C. S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Pedal-extension-table lock. No. 895,071; Aug. 4; Sp. p. 589; Dr. p. 123; Gaz. vol. 135; p. 991.
 Burton, C. S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Extension-table lock. No. 901,951; Oct. 27; Sp. p. 3937; Dr. p. 803; Gaz. vol. 136; p. 1780.
 Burton, G. F., assignor of one-fourth to L. A. Christian, Woodlawn, Ala. Rotary air-compressor. No. 899,027; Sept. 22; Sp. p. 3535; Dr. pp. 756-7; Gaz. vol. 136; p. 668.
 Burton, G. F., assignor of one-half to L. A. Christian and C. W. Cram, Woodlawn, Ala. Rotary engine. No. 880,009; Feb. 25; Sp. p. 4380; Dr. pp. 919-20; Gaz. vol. 132; p. 1647.
 Burton, H. H., Los Angeles, Cal. Adding attachment for type-writers. No. 883,081; Mar. 24; Sp. p. 5135; Dr. pp. 1096-7; Gaz. vol. 133; p. 942.
 Burton, J. R. (See Bounds and Burton.)
 Burton, R. G., Bluefield, W. Va. Nut-lock. No. 901,875; Oct. 20; Sp. p. 3775; Dr. p. 767; Gaz. vol. 136; p. 1725.
 Burton, W. K. (See Cameron, J. A., assignor.)
 Burtcher, G. E., Chicago, Ill. Hose-clamp tool. No. 899,657; Sept. 29; Sp. p. 4778; Dr. p. 1022; Gaz. vol. 136; p. 908.
 Burtch, B. L., Jeffersonville, Ind. Coal-bucket. No. 885,582; Apr. 21; Sp. p. 3933; Dr. p. 821; Gaz. vol. 133; p. 1872.
 Burwell, E. L., Chelsea, Mass. Means for transporting vessels. No. 901,589; Oct. 20; Sp. p. 3196; Dr. pp. 653-4; Gaz. vol. 136; p. 1634.
 Bury, T. J., Enid, Okla. Door-securer. No. 885,583; Apr. 21; Sp. p. 3934; Dr. p. 821; Gaz. vol. 133; p. 1872.
 Busald, F. J., Le Roy, Ill. Photograph-cabinet. No. 888,958; May 26; Sp. p. 5328; Dr. p. 1131; Gaz. vol. 134; p. 951.
 Busby, H. C., Montgomery, Ala. Fraud-detecting device for tickets. No. 887,916; May 19; Sp. p. 3218; Dr. p. 677; Gaz. vol. 134; p. 580.
 Busby, L. A. (See Busby, N. J., assignor.)
 Busby, N. J., Boston, assignor to L. A. Busby, Chelsea, Mass. Antislipping tread for boots and shoes. No. 879,732; Feb. 18; Sp. p. 3791; Dr. p. 795; Gaz. vol. 132; p. 1523.
 Busch, A., Brunswick, Germany. Manufacturing new compounds of proteids with bismuth iodid. No. 898,311; Sept. 8; Sp. p. 2170; Gaz. vol. 136; p. 375.
 Busch, A. A., assignor of two-thirds to O. S. Busch and M. Freund, St. Louis, Mo. Bottle-opener. No. 900,480; Oct. 6; Sp. p. 870; Dr. p. 178; Gaz. vol. 136; p. 1208.
 Busch, C., New York, N. Y. Electrical accumulator. No. 901,322; Oct. 20; Sp. p. 2588; Dr. p. 532; Gaz. vol. 136; p. 1541.
 Busch-Freund Brewers Supply Company. (See Emrick and Baer, assignors.)
 Busch, O. S., *et al.* (See Busch, A. A., assignor.)
 Buschemeyer, H. W., Kalamazoo, Mich. Fish bait or lure. No. 887,765; May 19; Sp. p. 2905; Dr. p. 613; Gaz. vol. 134; p. 528.
 Buschemeyer, W. G., and G. R. Caspari, Louisville, Ky. Awning. No. 904,305; Nov. 17; Sp. p. 3641; Gaz. vol. 137; p. 649.
 Buscher, E. (See Benson, O., assignor.)
 Buschur, G., Coldwater, Ohio. Door-holder. No. 878,864; Feb. 11; Sp. p. 2035; Dr. p. 420; Gaz. vol. 132; p. 1202.
 Buse, F. W., *et al.* (See Kridler, J., assignor.)
 Bush, A. L., Hoboken, N. J. Railway construction. No. 905,645; Dec. 1; Sp. p. 1070; Gaz. vol. 137; p. 1155.
 Bush, C. C., Inkum, Tex. Animal-poke. No. 894,185; July 28; Sp. p. 3780; Dr. p. 783; Gaz. vol. 135; p. 672.
 Bush, H. B., Littleton, Colo. Vehicle-axle. No. 903,447; Nov. 10; Sp. p. 1811; Gaz. vol. 137; p. 329.
 Bush, J. F. (See Cooper, G. L., assignor.)
 Bush, J. F. (See Sandstrom, A., assignor.)
 Bush, J. F., Schenectady, assignor of thirty-five one-hundredths to G. L. Cooper, Troy, N. Y. Car stop and speed signal. No. 891,792; June 23; Sp. p. 5298; Dr. p. 1147; Gaz. vol. 134; p. 1999.
 Bush, M., Monroe, N. Y. Can-opener. No. 889,901; June 9; Sp. p. 1399; Dr. p. 318; Gaz. vol. 134; p. 1310.
 Bush, N. W., *et al.* (See Stapleford and Wagner, assignors.)
 Bush, P. M., Hartford, assignor to Whitlock Coil Pipe Company, West Hartford, Conn. Refrigerating apparatus. No. 879,243; Feb. 18; Sp. p. 2766; Dr. pp. 579-80; Gaz. vol. 132; p. 1363.
 Bush, S. P., Columbus, Ohio. Car-truck. No. 895,157; Aug. 4; Sp. p. 756; Dr. p. 158; Gaz. vol. 135; p. 1020.
 Bush, S. P., Columbus, Ohio. Brake-shoe. No. 902,206; Oct. 27; Sp. p. 4462; Dr. pp. 902-3; Gaz. vol. 136; p. 1862.
 Bushby, J. C. (See Sander, F. W., assignor.)
 Bushey, T., Munising, Mich. Animal-trap. No. 903,356; Nov. 10; Sp. p. 1637; Gaz. vol. 137; p. 300.
 Bushong, H. F., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Temporary binder. No. 878,340; Feb. 4; Sp. p. 913; Dr. p. 182; Gaz. vol. 132; p. 996.
 Bushong, H. F., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 890,019; June 9; Sp. p. 1642; Dr. p. 367; Gaz. vol. 134; p. 1351.
 Bushong, H. F., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 890,020; June 9; Sp. p. 1645; Dr. p. 367; Gaz. vol. 134; p. 1351.
 Bushong, I. (See Caldwell, J. D., assignor.)
 Busquet, R., and M. Ramassot, Lyon, France. Incandescent gas-burner. No. 886,940; May 5; Sp. p. 1200; Dr. p. 254; Gaz. vol. 134; p. 199.
 Busse, H. (See Schou and Busse.)
 Bussert, F. C., Sheldon, Ill. Letter-fastener. No. 905,406; Dec. 1; Sp. p. 554; Gaz. vol. 137; p. 1078.
 Bussinger, W. J., assignor to National Specialty Manufacturing Company, Philadelphia, Pa. Spout for sausage-stuffers. No. 888,305; May 19; Sp. p. 3945; Dr. p. 830; Gaz. vol. 134; p. 704.
 Bussman, P. F., Buffalo, N. Y. Roller-bearing. No. 877,630; Jan. 28; Sp. p. 3996; Dr. p. 863; Gaz. vol. 132; p. 736.
 Bussy, H. M. (See Bartholomew and Bussy.)
 Bustanoby, J., New York, N. Y. Corn-holder. No. 889,434; June 2; Sp. p. 487; Dr. p. 116; Gaz. vol. 134; p. 1136.
 Bustanoby, J., New York, N. Y. Fountain-pen. No. 889,435; June 2; Sp. p. 488; Dr. p. 116; Gaz. vol. 134; p. 1137.
 Bustanoby, J., New York, N. Y. Fastener. No. 889,436; June 2; Sp. p. 490; Dr. p. 116; Gaz. vol. 134; p. 1137.
 Bustanoby, J., New York, N. Y. Suspenders. No. 894,365; July 28; Sp. p. 4166; Dr. p. 860; Gaz. vol. 135; p. 733.
 Bustetter, G., *et al.* (See Faughnder, R. H., assignor.)
 Buswell, E. (See Wilson and Buswell.)
 Buswell, E., Waterloo, Iowa. Manure-spreader. No. 885,908; Apr. 28; Sp. p. 4598; Dr. p. 963; Gaz. vol. 133; p. 2009.
 Butchart, C. D., Denver, Colo. Adjustable opening-stop for head-gates. No. 905,407; Dec. 1; Sp. p. 555; Gaz. vol. 137; p. 1079.
 Butchart, P., Duluth, Minn. Railway-car. No. 891,325; June 23; Sp. p. 4335; Dr. p. 945; Gaz. vol. 134; p. 1843.
 Butcher, C., Cambridge, Mass. Hitching-post. No. 883,782; Apr. 7; Sp. p. 201; Dr. p. 37; Gaz. vol. 133; p. 1226.
 Butcher, C. C., assignor of one-third to E. L. Russell, Urbana, Mo. Check-row planter. No. 875,690; Jan. 7; Sp. p. 24; Dr. p. 5; Gaz. vol. 132; p. 6.
 Butcher, C. S. (See McCloskey, A. C., assignor.)
 Butcher, W. R., *et al.* (See Mercer, A., assignor.)
 Buterbaugh, E. H., Summerville, Pa. Railway-tie. No. 906,610; Dec. 15; Sp. p. 2889; Gaz. vol. 137; p. 1523.

Alphabetical list of patentees—Continued.

- Buterbaugh, E. H., Summerville, assignor of one-third to W. E. Guthrie, Heathville, Pa. Fish-hook. No. 893,304; July 14; Sp. p. 1848; Dr. p. 387; Gaz. vol. 135; p. 333.
- Buterbaugh, L. B., *et al.* (See Chesterman, W., assignor.)
- Butler, A. J., Boston, Mass. Clothes-hanger. No. 877,047; Jan. 21; Sp. p. 2815; Dr. p. 609; Gaz. vol. 132; p. 525.
- Butler, A. M., Cleveland, Ohio. Device for sealing fruit-cans and other receptacles. No. 880,969; Mar. 3; Sp. p. 971; Dr. p. 209; Gaz. vol. 133; p. 164.
- Butler, B. E., Bad Axe, Mich. Attachment for scale-indicators. No. 887,917; May 19; Sp. p. 3219; Dr. p. 677; Gaz. vol. 134; p. 580.
- Butler, B. G., Columbia, S. C. Ice-cream freezer. No. 878,709; Feb. 11; Sp. p. 1742; Dr. p. 360; Gaz. vol. 132; p. 1152.
- Butler, C. A., Bartlesville, Okla. Expansion-bit. No. 890,493; June 9; Sp. p. 2601; Dr. p. 577; Gaz. vol. 134; p. 1505.
- Butler, C. C. (See Wilson and Butler.)
- Butler, C. H., Oakland, Cal. Street-cleaning apparatus. No. 880,124; Feb. 25; Sp. p. 4608; Dr. pp. 971-2; Gaz. vol. 132; p. 1684.
- Butler, C. R., Carthage, Ind. Heat transference. No. 877,903; Feb. 4; Sp. p. 12; Dr. p. 2; Gaz. vol. 132; p. 851.
- Butler, F. C., and E. Cook; said Butler assignor to Cook's Standard Tool Company, Kalamazoo, Mich. Lifting-jack. No. 891,523; June 23; Sp. p. 4746; Dr. p. 1028; Gaz. vol. 134; p. 1908.
- Butler, H. H., and R. Decker, Marine City, Mich. Clod-crusher. No. 882,295; Mar. 17; Sp. p. 3617; Dr. p. 767; Gaz. vol. 133; p. 652.
- Butler, J., St. Catharines, Ontario, Canada. Scraper. No. 898,183; Sept. 8; Sp. p. 1941; Dr. p. 414; Gaz. vol. 136; p. 337.
- Butler, J. A., Winthrop, C. Reynolds and A. J. Seaman, Boston, Mass. Glue-applying machine. No. 883,082; Mar. 24; Sp. p. 5142; Dr. pp. 1097-8; Gaz. vol. 133; p. 942.
- Butler, J. L., Alliance, Ohio. Bottom board for foundry-flasks. No. 893,703; July 21; Sp. p. 2681; Dr. p. 563; Gaz. vol. 135; p. 492.
- Butler, J. W. (See Walz and Butler.)
- Butler, J. W., Hermitage, N. Y. Non-refillable bottle. No. 898,090; Sept. 8; Sp. p. 1751; Dr. p. 373; Gaz. vol. 136; p. 307.
- Butler, J. W., Hermitage, assignor of one-half to H. J. Walz, Buffalo, N. Y. Pie trimmer and crimper. No. 907,456; Dec. 22; Sp. p. 4566; Gaz. vol. 137; p. 1835.
- Butler, K. H. (See Jackson, J. H., assignor.)
- Butler, L. C., Arion, Iowa. Boat-propeller. No. 898,551; Sept. 15; Sp. p. 2650; Dr. p. 567; Gaz. vol. 136; p. 487.
- Butler, M. J. (See Umpleby and Butler.)
- Butler Manufacturing Company. (See MacKenzie, G. W., assignor.)
- Butler, T. M., *et al.* (See Stewart, J. S., assignor.)
- Butler, W., Birkdale, Southport, England. Stand for photographic cameras, telescopes, and other scientific instruments. No. 880,192; Feb. 25; Sp. p. 4747; Dr. p. 1005; Gaz. vol. 132; p. 1707.
- Butler, W., Davis Junction, assignor of one-half to W. C. Doyle, Sycamore, Ill. Cigar-vending machine. No. 885,685; Apr. 21; Sp. p. 4137; Dr. p. 866; Gaz. vol. 133; p. 1906.
- Butler, W. E., and M. L. Lane, Omaha, Nebr. Pole-changer. No. 890,840; June 16; Sp. p. 3347; Dr. pp. 733-4; Gaz. vol. 134; p. 1653.
- Butler, W. M. (See Belcher and Butler.)
- Butler, W. M., and W. J. Belcher, assignors to Whitney Manufacturing Company, Hartford, Conn. Drive-chain. No. 893,779; July 21; Sp. p. 2926; Dr. p. 599; Gaz. vol. 135; p. 519.
- Butler, W. M., and W. J. Belcher, assignors to Whitney Manufacturing Company, Hartford, Conn. Drive-chain. No. 893,780; July 21; Sp. p. 2927; Dr. p. 599; Gaz. vol. 135; p. 519.
- Butlin, G. L., Kogarah, assignor to Butlin Gear Limited, Sydney, New South Wales, Australia. Power-transmission gearing. No. 901,590; Oct. 20; Sp. p. 3198; Dr. pp. 654-5; Gaz. vol. 136; p. 1634.
- Butlin Gear Limited. (See Butlin, G. L., assignor.)
- Butman, F. P., Holbrook, Mass. Thermostat. No. 881,847; Mar. 10; Sp. p. 2688; Dr. p. 575; Gaz. vol. 133; p. 478.
- Butner, A. S., Highland, Kans. Grain-cover. No. 886,477; May 5; Sp. p. 273; Dr. p. 57; Gaz. vol. 134; p. 50.
- Butsch, J., Sr., Crossville, Ill. Rivet-extractor. No. 878,041; Feb. 4; Sp. p. 1306; Dr. p. 64; Gaz. vol. 132; p. 897.
- Butt, J. (See Cowen and Butt.)
- Butt, W. D., Kansas City, Mo. Advertising device. No. 887,766; May 19; Sp. p. 2908; Dr. p. 613; Gaz. vol. 134; p. 528.
- Butterfield, J. D. (See Oldham, G. F., assignor.)
- Butterfield, J. H., Logan, Ohio. Guard and work-holder for shaping-machines. No. 907,734; Dec. 29; Sp. p. 5165; Gaz. vol. 137; p. 1954.
- Buttermore, J. C., *et al.* (See Brundige, S. H., assignor.)
- Butters, C. (See Hendryx, W. A., assignor.)
- Butters, C., Berkeley, Cal. Treating slimes. No. 879,080; Feb. 11; Sp. p. 2427; Dr. p. 508; Gaz. vol. 132; p. 1268.
- Butters, C., Berkeley, Cal. Vacuum filtering apparatus. No. 896,360; Aug. 18; Sp. p. 3146; Dr. p. 676; Gaz. vol. 135; p. 145.
- Butters Patent Vacuum Filter Company. (See Clevenger, G. H., assignor.)
- Butterworth, J. S., Wallingford, assignor of one-half to B. C. Fox, Chester, Pa. Process of manufacturing yarn. No. 882,866; Mar. 24; Sp. p. 4732; Gaz. vol. 133; p. 872.
- Buttler, W. (See Apple and Buttler.)
- Buttles, E. E., Blackcreek, Wis. Igniter. No. 899,950; Sept. 29; Sp. p. 5406; Dr. p. 1153; Gaz. vol. 136; p. 1003.
- Button Sewing Attachment Company. (See Ongley, C. E., assignor.)
- Button, T. E. (See Hewlett and Button.)
- Button, W. H., and E. Dyer, Bandon, Oreg. Fishing-tool. No. 879,812; Feb. 18; Sp. p. 3930; Dr. p. 824; Gaz. vol. 132; p. 1548.
- Buttress, H., Los Angeles, Cal. Sash-lock. No. 905,984; Dec. 8; Sp. p. 1721; Gaz. vol. 137; p. 1294.
- Buttrey, M. M., *et al.* (See Gray, H., assignor.)
- Butts, W. R., assignor of four-fifths to F. C. Loomis, E. and C. N. Geiser, and W. J. Wise, New Philadelphia, Ohio. Pneumatic mining-machine. No. 877,883; Jan. 28; Sp. p. 4451; Dr. p. 971; Gaz. vol. 132; p. 883.
- Butzke, O. (See Miller and Butzke.)
- Buxbaum, E. L., Chicago, Ill. Button-matcher. No. 903,270; Nov. 10; Sp. p. 1478; Gaz. vol. 137; p. 273.
- Buxton, F. E., Richmond, Ind. Adjustable journal-box. No. 895,425; Aug. 11; Sp. p. 1303; Dr. pp. 273-4; Gaz. vol. 135; p. 1134.
- Buxton, S. A., Montezuma, Ohio. Animal-catcher. No. 887,460; May 12; Sp. p. 2300; Dr. p. 483; Gaz. vol. 134; p. 398.
- Buy, H. D., and J. M. Lyon, Pearl, Idaho. Folding square. No. 883,783; Apr. 7; Sp. p. 202; Dr. p. 37; Gaz. vol. 133; p. 1226.
- Buzard, M., Bison, Okla. Seat for harrows and the like. No. 897,059; Aug. 25; Sp. p. 4626; Dr. p. 985; Gaz. vol. 135; p. 1711.
- Buzzy, A. C. (See Beemer, F., assignor.)
- Buzzell, J. W., East Orange, N. J., and W. H. Larkin, Jr., Worcester, Mass. Concrete-conveyer. No. 894,813; Aug. 4; Sp. p. 19; Dr. p. 4; Gaz. vol. 135; p. 904.
- Byam, C. R., Chicago, Ill. Combined salt and pepper shaker. No. 897,453; Sept. 1; Sp. p. 437; Dr. p. 94; Gaz. vol. 136; p. 69.
- Byers, B. O., and C. F. Thiede, Columbus, Ohio. Automatic mine-door. No. 900,262; Oct. 6; Sp. p. 410; Dr. p. 83; Gaz. vol. 136; p. 1136.
- Byers, F. T., Mount Pleasant, Pa. Means for ventilating mines and removing dust and gases therefrom. No. 899,508; Sept. 29; Sp. p. 4465; Dr. p. 959; Gaz. vol. 136; p. 859.
- Byers, F. T., Mount Pleasant, Pa. Removing dust and gases from mines. No. 899,509; Sept. 29; Sp. p. 4467; Dr. p. 959; Gaz. vol. 136; p. 859.
- Byers, H. A., assignor of one-half to H. E. Byers, Pe Ell, Wash. Photographic shutter. No. 906,862; Dec. 15; Sp. p. 3384; Gaz. vol. 137; p. 1603.
- Byers, H. E. (See Byers, H. A., assignor.)
- Byers, J. A., assignor of one half to J. W. Thornton, Vancouver, British Columbia, Canada. Automatic car-fender. No. 904,471; Nov. 17; Sp. p. 3964; Gaz. vol. 137; p. 703.
- Byers, J. J., Cameron, Mo., assignor to National Malleable Castings Company, Cleveland, Ohio. Brake-lever. No. 887,030; May 5; Sp. p. 1375; Dr. p. 292; Gaz. vol. 134; p. 228.
- Byham, C. W., Kane, Pa. Manifolding apparatus. No. 883,694; Apr. 7; Sp. p. 20; Dr. pp. 4-5; Gaz. vol. 133; p. 1199.
- Bylund, W., assignor to Birmingham Iron Foundry, Derby, Conn. Bottom-board tightener for molding-machines. No. 898,433; Sept. 15; Sp. p. 2411; Dr. p. 516; Gaz. vol. 136; p. 449.
- Byng, W. T., Krugersdorp, Transvaal. Guide-block of stamp-mills. No. 882,624; Mar. 24; Sp. p. 4245; Dr. p. 899; Gaz. vol. 133; p. 794.
- Bynum, P., Strathcona, Alberta, Canada. Flange. No. 889,759; June 2; Sp. p. 1115; Dr. p. 259; Gaz. vol. 134; p. 1238.
- Bynum, S. E., *et al.* (See Stubblefield, N. B., assignor.)
- Byram, J. H., Philadelphia, Pa. Street-cleaning push-cart. No. 896,799; Aug. 25; Sp. p. 4040; Dr. p. 870; Gaz. vol. 135; p. 1623.
- Byrd, B. E., Durham, N. C. Hinge. No. 892,577; July 7; Sp. p. 350; Dr. p. 77; Gaz. vol. 135; p. 65.
- Byrd, B. E., Durham, assignor of one-half to R. L. Strowd, Chapel Hill, N. C. Window-blind hinge. No. 889,178; May 26; Sp. p. 5767; Dr. p. 1220; Gaz. vol. 134; p. 1021.
- Byrd, M. J., and E. M. Anderson, Chattanooga, Tenn. Stand, gage, and holder for crayons and blowpipes. No. 899,202; Sept. 22; Sp. p. 3873; Dr. p. 828; Gaz. vol. 136; p. 725.
- Byrd, W. P., Baltimore, Md. Automatic brake-setting mechanism. No. 879,032; Feb. 11; Sp. p. 2336; Dr. p. 489; Gaz. vol. 132; p. 1253.
- Byrkett, A. R., Bingen, Wash. Nut-lock. No. 892,578; July 7; Sp. p. 352; Dr. p. 77; Gaz. vol. 135; p. 66.
- Byrne, C. F. (See Evans, S. J., assignor.)

Alphabetical list of patentees—Continued.

- Byrne, J. A., Red Springs, N. C. Plant-protector. No. 893,704; July 21; Sp. p. 2682; Dr. p. 563; Gaz. vol. 135; p. 493.
- Byrne, M., San Francisco, Cal. Heel-cushion. No. 897,874; Sept. 8; Sp. p. 1292; Dr. p. 276; Gaz. vol. 136; p. 236.
- Byrnes, L. M., St. Louis, Mo., and G. H. Kendrick, Little Rock, Ark. Piston-rod packing. No. 878,186; Feb. 4; Sp. p. 614; Dr. p. 126; Gaz. vol. 132; p. 945.
- Byrnes, T. M., Chicopee, Mass. Spinning-spindle. No. 906,197; Dec. 8; Sp. p. 2125; Gaz. vol. 137; p. 1364.
- Byron, J. H., assignor of one-half to C. D. Richardson, Boston, Mass. Feed-bag support. No. 894,721; July 28; Sp. p. 4862; Dr. p. 1011; Gaz. vol. 135; p. 848.
- Byron Jackson Iron Works. (See Jackson, F. H., assignor.)
- Byron, O. E., San Francisco, Cal. Carbureter. No. 890,494; June 9; Sp. p. 2603; Dr. p. 577; Gaz. vol. 134; p. 1505.
- Bythiner, W. W., Philadelphia, Pa. Telephone attachment. No. 884,637; Apr. 14; Sp. p. 1964; Dr. p. 422; Gaz. vol. 133; p. 1536.
- C. Schmidt Company. (See Brunzwick, J., assignor.)
- C. A. Mezger Inc. (See Mezger, C. A., assignor.)
- C. A. Smith Lumber Co. (See Meeen and Gagnon, assignors.)
- C. A. Thomson Machine Company. (See Thomson, C. A., assignor.)
- C. A. Willey Company. (See Corbin, H. P., assignor.)
- C. B. Cottrell & Sons Company. (See Babcock, E. E., assignor.)
- C. B. Cottrell & Sons Company. (See Barber, H. M., assignor.)
- C. B. Cottrell & Sons Company. (See Cottrell, E. H., assignor.)
- C. B. Cottrell & Sons Company. (See Greenway, R. J., Jr., assignor.)
- C. B. Cottrell & Sons Company. (See McKee, M. A., assignor.)
- C. B. Cottrell & Sons Company. (See Seymour, R. C., assignor.)
- C. B. Hutchins & Sons. (See Warren, B. S., assignor.)
- C. B. Norton Jewelry Company. (See De Long, C. E., assignor.)
- C. F. Roper & Company. (See Roper, C. F., assignor.)
- C. G. Sargent's Sons. (See Furbush, F. L., assignor.)
- C. G. Sargent's Sons Corporation. (See Sargent, F. G., assignor.)
- C. J. Hartley Company. (See Hartley, C. J., assignor.)
- C. L. Hathaway Rock Crusher Company. (See Hathaway, C. L., assignor.)
- C. O. Bartlett & Snow Co. (See Snow, K. F., assignor.)
- C. O. Bartlett & Snow Company. (See Bighouse, H. H., assignor.)
- CO Development Company. (See Carroll, J. E., assignor.)
- C. P. Kimball & Co. (See Craft, O. C., assignor.)
- C. T. Ham Manufacturing Company. (See Bergener, C., assignor.)
- C. T. Ham Manufacturing Company. (See Bergener, C., assignor.) (Reissue.)
- C. T. Ham Manufacturing Company. (See Macbeth, G. A., assignor.)
- C. W. Hunt Company. (See King, C. C., assignor.)
- C. W. Raymond Co. (See Heuss, H., assignor.)
- Cabanis, F. E., Platteville, Wis. Display-box for fruits and vegetables. No. 904,404; Nov. 17; Sp. p. 3829; Gaz. vol. 137; p. 681.
- Cabell, C. A. (See Couch and Cabell.)
- Cable Company. (See Hagey, J. C., assignor.)
- Cable Company. (See Klugh, P. B., assignor.)
- Cable Company. (See Turnquist, A. E., assignor.)
- Cable, F. T. (See Bailey and Cable.)
- Cable, F. T. (See Spear and Cable.)
- Cable, F. T., Quincy, Mass., assignor to Electric Boat Company, New York, N. Y. Pressure-reducing valve. No. 895,426; Aug. 11; Sp. p. 1307; Dr. p. 274; Gaz. vol. 135; p. 1134.
- Cabot, S. (See Stone and Cabot.)
- Cabot, S., Brookline, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Space telegraphy. No. 884,070; Apr. 7; Sp. p. 808; Dr. p. 171; Gaz. vol. 133; p. 1322.
- Cabot, S., Brookline, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Space telegraphy. No. 884,071; Apr. 7; Sp. p. 811; Dr. p. 171; Gaz. vol. 133; p. 1322.
- Cabot, S., Brookline, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Signaling system. No. 899,239; Sept. 22; Sp. p. 3958; Dr. pp. 844-5; Gaz. vol. 136; p. 738.
- Cabot, S., Brookline, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Signaling system. No. 899,240; Sept. 22; Sp. p. 3966; Dr. pp. 845-6; Gaz. vol. 136; p. 738.
- Cabot, S., Brookline, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Signaling system. No. 899,241; Sept. 22; Sp. p. 3971; Dr. p. 846; Gaz. vol. 136; p. 739.
- Cabot, S., Brookline, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Signaling system. No. 899,242; Sept. 22; Sp. p. 3976; Dr. pp. 847-9; Gaz. vol. 136; p. 739.
- Cabot, S., Brookline, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Space telegraphy. No. 899,243; Sept. 22; Sp. p. 3987; Dr. p. 849; Gaz. vol. 136; p. 739.
- Cade, H. E. (See Knapp and Cade.)
- Cade, H. E., Pencoyd, and D. R. Knapp, Philadelphia, Pa. Boiler-feed regulator. No. 891,981. June 30; Sp. p. 5707; Dr. p. 1228; Gaz. vol. 134; p. 2092.
- Caden, O., *et al.* (See Rau, J. H., assignor.)
- Cadillac Cabinet Company. (See Harding, M. P., assignor.)
- Cadillac Cabinet Company. (See Wirts, S. M., assignor.)
- Cadillac Motor Car Company. (See Sweet, E. E., assignor.)
- Cadman, A. W., Pittsburg, Pa. Valve-disk. No. 876,147; Jan. 7; Sp. p. 902; Dr. p. 195; Gaz. vol. 132; p. 153.
- Cadwell, E. B., Detroit, Mich., assignor of two-thirds to F. Johnston and F. M. Ashley. Vehicle-tire. No. 887,997; May 19; Sp. p. 3372; Dr. p. 708; Gaz. vol. 134; p. 606.
- Caesar, J., St. Louis, Mo. Clip for supporting electric cables. No. 893,438; July 14; Sp. p. 2119; Dr. p. 445; Gaz. vol. 135; p. 377.
- Caesar, O., New York, N. Y. Window-cleaner. No. 887,585; May 12; Sp. p. 2550; Dr. p. 538; Gaz. vol. 134; p. 440.
- Caffrey, F., *et al.* (See Cooper, G., assignor.)
- Calfisch, J. A., Union City, Pa. Extension-ladder. No. 882,371; Mar. 17; Sp. p. 3757; Dr. p. 800-1; Gaz. vol. 133; p. 677.
- Calfmeyer, A. E. (See Felbinger and Calfmeyer.)
- Cage, J. M., assignor, by mesne assignments, to Submarine Navigation and Manufacturing Company, Denver, Colo. Submarine boat. No. 896,361; Aug. 18; Sp. p. 3148; Dr. pp. 676-7; Gaz. vol. 135; p. 1457.
- Caha, F., Valparaiso, Nebr. End-gate. No. 880,010; Feb. 25; Sp. p. 4384; Dr. p. 920; Gaz. vol. 132; p. 1647.
- Cahill Iron Works. (See Mahoney, J. J., assignor.)
- Cahill, J., Norfolk, Va. Fireproof shutter. No. 878,341; Feb. 4; Sp. p. 917; Dr. p. 183; Gaz. vol. 132; p. 996.
- Cahill, J. A., Philadelphia, Pa., assignor of one-half to W. H. Poole, Riverton, N. J. Stock-releaser. No. 897,192; Aug. 25; Sp. p. 4859; Dr. p. 1034; Gaz. vol. 135; p. 1752.
- Cahill, S. S., Brunswick, Me. Puzzle. No. 878,187; Feb. 4; Sp. p. 615; Dr. p. 126; Gaz. vol. 132; p. 946.
- Cahill, T., New York, N. Y., assignor to E. Spear, J. T. Schaaff, E. H. Jackson, and J. J. Darlington, trustees. Type-writing machine. No. 897,959; Sept. 8; Sp. p. 1494; Dr. pp. 317-18; Gaz. vol. 136; p. 265.
- Cahill, V. B., Portland, Oreg. Lifting apparatus. No. 883,448; Mar. 31; Sp. p. 5936; Dr. p. 1266; Gaz. vol. 133; p. 1094.
- Cahill, W. A., Syracuse, N. Y. Carburetor. No. 878,770; Feb. 11; Sp. p. 1857; Dr. p. 383; Gaz. vol. 132; p. 1171.
- Cahill, W. M., Winona, Minn. Animal-shears. No. 888,867; May 26; Sp. p. 5125; Dr. p. 1092; Gaz. vol. 134; p. 919.
- Cahoon, E. B., Akron, Ohio. Trenching-tool. No. 892,027; June 30; Sp. p. 5776; Dr. p. 1283; Gaz. vol. 134; p. 2105.
- Cailliet, J., assignor to Société Anonyme des Automobiles Peugeot, Paris, France. Friction-clutch. No. 877,405; Jan. 21; Sp. p. 3527; Dr. p. 764; Gaz. vol. 132; p. 642.
- Cailliet, J., assignor to Société Anonyme des Automobiles Peugeot, Paris, France. Apparatus for cooling the brakes of motor road-vehicles. No. 878,454; Feb. 4; Sp. p. 1120; Dr. p. 229; Gaz. vol. 132; p. 1033.
- Cain, C. C., Jr., assignor to C. Gibbs, New York, N. Y. Drill-jig. No. 907,735; Dec. 29; Sp. p. 5167; Gaz. vol. 137; p. 1954.
- Cain, E. M., Wilmington, Del. Automatic-air-brake-operating device. No. 882,372; Mar. 17; Sp. p. 3760; Dr. p. 801; Gaz. vol. 133; p. 678.
- Cain, E. M., Wilmington, Del. Railway-signal. No. 888,959; May 26; Sp. p. 5330; Dr. p. 1131; Gaz. vol. 134; p. 951.
- Cain, H., Paris, France. Mirror for motor-vehicles. No. 881,771; Mar. 10; Sp. p. 2532; Dr. p. 545; Gaz. vol. 133; p. 452.
- Cain, J. A., Wise, Mo. Felly-joint. No. 892,648; July 7; Sp. p. 498; Dr. p. 105; Gaz. vol. 135; p. 89.
- Cain, L., Richmond, Ind. Slip-box. No. 899,510; Sept. 29; Sp. p. 4469; Dr. p. 959; Gaz. vol. 136; p. 860.
- Cain, T. E., Lombard, Md. Combination burglar-alarm and window-sash. No. 900,146; Oct. 6; Sp. p. 153; Dr. p. 32; Gaz. vol. 136; p. 1098.

Alphabetical list of patentees—Continued.

- Cain, T. F. (See Skinner and Cain.)
- Cain, W. D., and W. H. Williams, Durant, Okla. Electric recorder for ice plants. No. 898,313; Sept. 8; Sp. p. 2173; Dr. p. 461; Gaz. vol. 136; p. 376.
- Caine, F. J., Hounslow, and G. H. Mitton, Wimbledon, assignors to Linotype & Machinery Limited, London, England. Adjustable trimming-knife for linotype-machines. No. 876,524; Jan. 14; Sp. p. 1709; Dr. p. 371; Gaz. vol. 132; p. 310.
- Caire, P. (See Balachowsky and Caire.)
- Cairns, A., St. Louis, Mo. Door-check. No. 878,667; Feb. 11; Sp. p. 1539; Dr. p. 314; Gaz. vol. 132; p. 1119.
- Cais, F., Cleveland, Ohio. Controlling mechanism for gas-burners. No. 886,677; May 5; Sp. p. 675; Dr. p. 140; Gaz. vol. 134; p. 115.
- Calculusgraph Company. (See Abbott, H., assignor.)
- Calculus Company. (See Dennis, A. S., assignor.) (Reissue.)
- Caldecott, W. A., Johannesburg, Transvaal. Treating crushed-ore products. No. 891,459; June 23; Sp. p. 4604; Dr. p. 1001; Gaz. vol. 134; p. 1887.
- Caldwell, A. S., Inverkeithing, Scotland. Apparatus for treating pulp. No. 886,186; Apr. 28; Sp. p. 5168; Dr. pp. 1087-8; Gaz. vol. 133; p. 2100.
- Caldwell, C. D., Paris, Tex. Artificial bait. No. 891,037; June 16; Sp. p. 3755; Dr. pp. 819-20; Gaz. vol. 134; p. 1718.
- Caldwell, C. H., Seattle, Wash. Chart for music students. No. 886,037; Apr. 28; Sp. p. 4901; Dr. pp. 1030-1; Gaz. vol. 133; p. 2052.
- Caldwell, E., Burlington, Wis. Horse-blanket. No. 876,435; Jan. 14; Sp. p. 1508; Dr. p. 324; Gaz. vol. 132; p. 278.
- Caldwell, E. R. (See Crosby, J. W., assignor.)
- Caldwell, F. B., Kenesaw, Nebr. Twine-cutter. No. 879,733; Feb. 18; Sp. p. 3792; Dr. p. 796; Gaz. vol. 132; p. 1523.
- Caldwell, F. C., Chicago, Ill. Coupling for conveyer-shafts. No. 893,143; July 14; Sp. p. 1539; Dr. p. 325; Gaz. vol. 135; p. 282.
- Caldwell, H. C., Buffalo, N. Y., assignor to C. T. Hanna, Philadelphia, Pa. Mold-jacket. No. 886,187; Apr. 28; Sp. p. 5171; Dr. pp. 1088-9; Gaz. vol. 133; p. 2100.
- Caldwell, H. J., and J. R. Barr, Earl Park, Ind. Apparatus for bleaching grain. No. 908,391; Dec. 29; Sp. p. 6554; Gaz. vol. 137; p. 2176.
- Caldwell, J., Philadelphia, Pa. Insulator for electric wires. No. 879,033; Feb. 11; Sp. p. 2339; Dr. p. 489; Gaz. vol. 132; p. 1253.
- Caldwell, J. A., Montclair, N. J. Mechanical stoker. No. 891,904; June 30; Sp. p. 5540; Dr. p. 1195; Gaz. vol. 134; p. 2067.
- Caldwell, J. A., Montclair, N. J. Apparatus for the analysis of gases. No. 906,687; Dec. 15; Sp. p. 3032; Gaz. vol. 137; p. 1546.
- Caldwell, J. D., Seattle, Wash. Printing-machine. No. 890,961; June 16; Sp. p. 3620; Dr. pp. 787-8; Gaz. vol. 134; p. 1693.
- Caldwell, J. D., Olympia, assignor to I. Bushong, Seattle, Wash. Shingle-butt-cutting machine. No. 882,233; Mar. 17; Sp. p. 3497; Dr. p. 742; Gaz. vol. 133; p. 631.
- Caldwell, J. H., Philadelphia, Pa. Cluster-fixture for electric lights. No. 897,455; Sept. 1; Sp. p. 443; Dr. p. 95; Gaz. vol. 136; p. 70.
- Caldwell Manufacturing Company. (See Ralston, W. A., assignor.)
- Caldwell, T. W., et al. (See York, E. J., assignor.)
- Caldwell, W. A., Manila, Philippine Islands. Penholder. No. 886,346; May 5; Sp. p. 16; Dr. p. 4; Gaz. vol. 134; p. 6.
- Caldwell, W. A., Jr., Roswell, N. Mex. Ter. Safety attachment for burners. No. 883,784; Apr. 7; Sp. p. 204; Dr. p. 38; Gaz. vol. 133; p. 1226.
- Caldwell, W. H. (See Eliot, C. W., assignor.)
- Caldwell, W. T., Edgar, Nebr. Seed-corn tipper. No. 907,457; Dec. 22; Sp. p. 4567; Gaz. vol. 137; p. 1836.
- Cale, A. W., Alberta, Minn. Portable lavatory. No. 881,543; Mar. 10; Sp. p. 2083; Dr. p. 455; Gaz. vol. 133; p. 379.
- Caleson, C. H., Spokane, Wash. Chain-drive for excavators. No. 892,806; July 7; Sp. p. 813; Dr. p. 173; Gaz. vol. 135; p. 139.
- Caley, C. J. (See Voight and Caley.)
- Caley, C. J., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Fire-door construction. No. 892,221; June 30; Sp. p. 6156; Dr. p. 1326; Gaz. vol. 134; p. 2170.
- Caley, C. J., and H. G. Voight, assignors to Russell & Erwin Manufacturing Company, New Britain, Conn. Cylinder-lock. No. 883,857; Apr. 7; Sp. p. 377; Dr. p. 73; Gaz. vol. 133; p. 1251.
- Caley, C. J., and H. G. Voight, assignors to Russell & Erwin Manufacturing Company, New Britain, Conn. Door-holder. No. 906,386; Dec. 8; Sp. p. 2467; Gaz. vol. 137; p. 1424.
- Calhoun, I. J., Tampa, Fla. Garment-closing device. No. 887,586; May 12; Sp. p. 2553; Dr. p. 538; Gaz. vol. 134; p. 440.
- Calhoun, J. C., assignor of one-half to G. P. Hummer, Holland, Mich. Pad for photographic-printing machines. No. 888,585; May 26; Sp. p. 4522; Dr. p. 959; Gaz. vol. 134; p. 829.
- Calhoun, J. M. (See Hibner, F., assignor.)
- California Fireless Cookstove Co. (See Morrell, A. W., assignor.)
- California Fruit Cannery Association. (See Beekhuis, H. A., assignor.)
- California Glove Company. (See Raymond, R., assignor.)
- California Steam Drilling Rig Company. (See Barkeley, F. S., assignor.) (Reissue.)
- Calise, F. S., Providence, R. I. Fuel-igniting device. No. 890,212; June 9; Sp. p. 2038; Dr. p. 449; Gaz. vol. 134; p. 1416.
- Calkins, A. B. (See Calkins, O. L. and A. B.)
- Calkins, E. G., Grand Island, Nebr. Combined corn harvesting and husking machine. No. 905,408; Dec. 1; Sp. p. 557; Gaz. vol. 137; p. 1079.
- Calkins, F. R., and R. O. Hammond, said Hammond assignor to Toy and Specialty Company, Watertown, N. Y. Traveling rocking-horse. No. 903,448; Nov. 10; Sp. p. 1814; Gaz. vol. 137; p. 330.
- Calkins, O. L. and A. B., Inglewood, Cal. Gate-latch. No. 893,439; July 14; Sp. p. 2120; Dr. p. 445; Gaz. vol. 135; p. 377.
- Call, C. C., assignor to J. H. Wesson, Springfield, Mass. Revolver. No. 881,374; Mar. 10; Sp. p. 1773; Dr. p. 382; Gaz. vol. 133; p. 326.
- Call, H. F., Stockbridge, Mass. Receptacle for fluids. No. 892,976; July 14; Sp. p. 1188; Dr. p. 250; Gaz. vol. 135; p. 225.
- Call, I. A., Bancroft, Idaho. Automatic railway-switch. No. 886,941; May 5; Sp. p. 1201; Dr. p. 254; Gaz. vol. 136; p. 200.
- Callaghan, M. M., Columbia, Nev. Mine-bucket-dumping attachment. No. 884,363; Apr. 14; Sp. p. 1410; Dr. pp. 301-2; Gaz. vol. 133; p. 1446.
- Callahan, A. T., Fairwood, Va., assignor of one-half to H. L. Cobick, Slate Run, Pa. Broom-bridle. No. 883,524; Mar. 31; Sp. p. 6081; Dr. p. 1294; Gaz. vol. 133; p. 1117.
- Callahan, C. F., Pasadena, Cal. Power-drum gearing. No. 889,437; June 2; Sp. p. 491; Dr. p. 116; Gaz. vol. 134; p. 1137.
- Callahan, E. J., and D. G. Fisher, Reading, Pa. Casket-protector. No. 900,980; Oct. 13; Sp. p. 1939; Dr. p. 395; Gaz. vol. 136; p. 1398.
- Callahan, G., San Gabriel, Cal. Folding chair. No. 902,938; Nov. 3; Sp. p. 819; Gaz. vol. 137; p. 135.
- Callahan, J. R., Millville, N. J. Fish-hook. No. 875,777; Jan. 7; Sp. p. 197; Dr. p. 42; Gaz. vol. 132; p. 36.
- Callahan, W. H., New York, N. Y. Device for cleaning hollow articles. No. 878,768; Feb. 11; Sp. p. 1854; Dr. p. 383; Gaz. vol. 132; p. 1171.
- Callan, J. G., Lynn, Mass., assignor to General Electric Company. Governing mechanism for turbines. No. 881,544; Mar. 10; Sp. p. 2083; Dr. p. 456; Gaz. vol. 133; p. 379.
- Callan, J. G., Lynn, Mass., assignor to General Electric Company. Gear-pump. No. 883,931; Apr. 7; Sp. p. 526; Dr. p. 103; Gaz. vol. 133; p. 1276.
- Callan, J. G., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 883,932; Apr. 7; Sp. p. 529; Dr. p. 104; Gaz. vol. 133; p. 1276.
- Callan, J. G., Lynn, Mass., assignor to General Electric Company. Winding-machine. No. 890,601; June 16; Sp. p. 2843; Dr. pp. 625-7; Gaz. vol. 134; p. 1574.
- Callan, J. G., Lynn, Mass., assignor to General Electric Company. Wire-coating machine. No. 894,592; July 28; Sp. p. 4612; Dr. pp. 957-9; Gaz. vol. 135; p. 807.
- Callan, J. G., Lynn, Mass., assignor to General Electric Company. Flexible coupling. No. 903,171; Nov. 10; Sp. p. 1261; Gaz. vol. 137; p. 239.
- Callan, J. G., Nahant, Mass., assignor to General Electric Company. Wire-stringing device. No. 894,593; July 28; Sp. p. 4628; Dr. p. 959; Gaz. vol. 135; p. 807.
- Callan, J. G., Nahant, and R. H. Rice, Lynn, Mass., assignors to General Electric Company. Elastic-fluid turbine. No. 905,791; Dec. 1; Sp. p. 1335; Gaz. vol. 137; p. 1202.
- Callanan, W. A., Jersey City, N. J. Game-piece. No. 890,259; June 9; Sp. p. 2140; Dr. p. 469; Gaz. vol. 134; p. 1431.
- Callane, W. E., Florida, Ind. Wire tie for insulators. No. 882,095; Mar. 17; Sp. p. 3234; Dr. p. 688; Gaz. vol. 133; p. 588.
- Callane, W. E., Florida, Ind. Cross-arm support. No. 900,663; Oct. 6; Sp. p. 1269; Dr. p. 259; Gaz. vol. 136; p. 1268.
- Callaway, E. H., Westfield, N. J., assignor to American Clay Machinery Company, Bucyrus, Ohio. Firing-tool for brick-kiln furnaces. No. 885,720; Apr. 28; Sp. p. 4220; Dr. p. 883; Gaz. vol. 133; p. 1947.
- Callaway, E. H., Westfield, N. J., assignor to American Clay Machinery Company, New York, N. Y. Valve for the air-ducts of brick-kilns and the like. No. 882,579; July 7; Sp. p. 354; Dr. pp. 77-8; Gaz. vol. 135; p. 66.
- Callegas y Becerra, J. M., Habana, Cuba. Apparatus for cutting sugar-cane in the field. No. 903,666; Nov. 10; Sp. p. 2269; Gaz. vol. 137; p. 401.
- Callender, J. H., et al. (See Gray, H., assignor.)
- Callihan, W. H., Beaumont, Tex. Heater. No. 877,406; Jan. 21; Sp. p. 3528; Dr. p. 765; Gaz. vol. 133; p. 642.
- Callihan, W. H., Beaumont, Tex. Hydrocarbon-burner. No. 895,338; Aug. 4; Sp. p. 1131; Dr. p. 238; Gaz. vol. 135; p. 1082.
- Callison, A. F., Gage, Okla. Loading and unloading mechanism. No. 876,941; Jan. 21; Sp. p. 2576; Dr. pp. 561-2; Gaz. vol. 132; p. 487.
- Callju, J. M., Chicago, Ill. Car-coupling. No. 905,840; Dec. 8; Sp. p. 1441; Gaz. vol. 137; p. 1250.

Alphabetical list of patentees—Continued:

- Callon, F. T., assignor to himself, M. A. Woollen, and H. A. Callon, Indianapolis, Ind. Flushing-valve. No. 902,154; Nov. 3; Sp. p. 653; Gaz. vol. 137; p. 109.
- Callon, H. A., *et al.* (See Callon, F. T., assignor.)
- Calman & Company, Emil. (See Bjerregaard, A. P., assignor.)
- Calor Sterilizer Co. (See Moreau, E., assignor.)
- Caloric Fireless Cookstove Company. (See Thoits and Gronberg, assignors.)
- Caloris Manufacturing Company. (See Friedrich and Lyman, assignors.)
- Calvert, A., Philadelphia, Pa. Dumb-bell and the like. No. 907,965; Dec. 29; Sp. p. 5646; Gaz. vol. 137; p. 2030.
- Calvert, G. (See Bastian and Calvert.)
- Calvert, J. B., Guthrie, Okla. Crown-loop for harness-bridles. No. 881,375; Mar. 10; Sp. p. 1774; Dr. p. 382; Gaz. vol. 133; p. 326.
- Calvert, J. B., Guthrie, Okla. Snap-hook. No. 896,084; Aug. 18; Sp. p. 2609; Dr. p. 566; Gaz. vol. 135; p. 1370.
- Calvert, J. C., Golconda, Nev. Trip for hay-nets. No. 883,083; Mar. 24; Sp. p. 5145; Dr. p. 1098; Gaz. vol. 133; p. 942.
- Calvert, T. E., Chicago, Ill., assignor to Sheffield Car Company, Three Rivers, Mich. Load-binder. No. 891,905; June 30; Sp. p. 5544; Dr. p. 1196; Gaz. vol. 134; p. 2068.
- Calvet, A., Albi, France. Bedstead. No. 888,466; May 26; Sp. p. 4285; Dr. p. 907; Gaz. vol. 134; p. 787.
- Calvin, J., and H. A. Bell, Stanton, assignors of one-half to W. A. Johnson, Morrellton, Mo. Railway cross-tie. No. 893,051; July 14; Sp. p. 1354; Dr. p. 286; Gaz. vol. 135; p. 250.
- Cambier, R., A. Tixier, and C. E. Adnet, Paris, France, assignors to Special Products Company. Sterilizing water, &c. No. 892,580; July 7; Sp. p. 357; Gaz. vol. 135; p. 66.
- Camden Forge Company. (See Howe, S. P., assignor.)
- Cameraphone Company. (See Norton, E. E., assignor.)
- Cameron, A. J. (See Cameron, E., assignor.)
- Cameron, C. E., Philadelphia, Pa. Hame. No. 904,306; Nov. 17; Sp. p. 3643; Gaz. vol. 137; p. 649.
- Cameron, E., assignor to A. J. Cameron, Brooklyn, N. Y. Switch for trolleys. No. 885,000; Apr. 14; Sp. p. 2711; Dr. pp. 574-5; Gaz. vol. 133; p. 1651.
- Cameron, E., assignor to A. J. Cameron, Brooklyn, N. Y. Track-support for overhead trolleys. No. 885,001; Apr. 14; Sp. p. 2713; Dr. p. 575; Gaz. vol. 133; p. 1652.
- Cameron, E., assignor to A. J. Cameron, Brooklyn, N. Y. Trolley. No. 855,002; Apr. 14; Sp. p. 2714; Dr. p. 575; Gaz. vol. 133; p. 1652.
- Cameron, J. (See Stewart, D. A., assignor.)
- Cameron, J. A. (See Birch and Cameron.)
- Cameron, J. A., Chicago, Ill. Water-current motor. No. 878,608; Feb. 11; Sp. p. 1540; Dr. p. 314; Gaz. vol. 132; p. 1119.
- Cameron, J. A., Brooklyn, N. Y. Machine for slitting fabrics. No. 904,247; Nov. 17; Sp. p. 3511; Gaz. vol. 137; p. 628.
- Cameron, J. A., assignor of one-half to W. K. Burton, Memphis, Tenn. Movable dike. No. 902,372; Oct. 27; Sp. p. 4821; Dr. p. 974; Gaz. vol. 136; p. 1917.
- Cameron, J. B., Lawrence, Mass. Bending-machine. No. 905,841; Dec. 8; Sp. p. 1442; Gaz. vol. 137; p. 1250.
- Cameron, J. F., Salt Lake City, Utah. Locomotive-mover. No. 900,912; Oct. 13; Sp. p. 1795; Dr. p. 363; Gaz. vol. 136; p. 1375.
- Cameron, M. A., Kansas City, Kans., and W. H. Cowles, Rockford, Ill. Pencil-sharpener. No. 880,715; Mar. 3; Sp. p. 450; Dr. p. 94; Gaz. vol. 133; p. 79.
- Cameron, P., assignor to Valley Iron Works, Williamsport, Pa. Rocking grate. No. 901,876; Oct. 20; Sp. p. 3776; Dr. p. 767; Gaz. vol. 136; p. 1725.
- Cameron Septic Tank Company. (See Commin, F. J., assignor.)
- Cameron, W. A. H., and J. W. Marshall, Wellington, New South Wales, Australia. Machine for washing drinking-glasses. No. 881,898; Mar. 17; Sp. p. 2828; Dr. p. 604; Gaz. vol. 133; p. 524.
- Cameron, W. R., Boston, Mass. Folding chair. No. 905,496; Dec. 1; Sp. p. 776; Gaz. vol. 137; p. 1108.
- Canet, B., Lyon, France. Case-shot for shotguns. No. 900,913; Oct. 13; Sp. p. 1796; Dr. p. 363; Gaz. vol. 136; p. 1376.
- Campfield, T. N., *et al.* (See Farnell, F. C., assignor.)
- Cammann, L. D., Montclair, N. J. Nose-bag suspension. No. 893,981; July 21; Sp. p. 3354; Dr. p. 686; Gaz. vol. 135; p. 585.
- Cammatt, I. A. (See Fellows and Cammatt.)
- Camors, F. B., New Orleans, La. Removing incrustations. No. 887,062; May 12; Sp. p. 1442; Gaz. vol. 134; p. 266.
- Camors, F. B., New Orleans, La. Treating liquids and liquid-containers. No. 896,272; Aug. 18; Sp. p. 2953; Gaz. vol. 135; p. 1430.
- Camp Bros. & Co. (See Camp, J. E., assignor.)
- Camp Bros. & Co. (See Camp, J. E. and C. W., assignors.)
- Camp, C. W. (See Camp, J. E. and C. W.)
- Camp, J. E., Washington, assignor to Camp Bros. & Co., Metamora, Ill. Portable grain-elevator. No. 890,021; June 9; Sp. p. 1649; Dr. p. 368; Gaz. vol. 134; p. 1352.
- Camp, J. E., Washington, assignor to Camp Bros. & Co., Metamora, Ill. Grain-dump. No. 890,022; June 9; Sp. p. 1653; Dr. p. 368; Gaz. vol. 134; p. 1352.
- Camp, J. E., Washington, and C. W. Camp, assignors to Camp Bros. & Co., Metamora, Ill. Portable grain-elevator. No. 898,552; Sept. 15; Sp. p. 2651; Dr. p. 567; Gaz. vol. 136; p. 487.
- Camp, T. L., Atlanta, Ga. Bobbin-stripper. No. 906,688; Dec. 15; Sp. p. 3036; Gaz. vol. 137; p. 1547.
- Campana, D. M., Chicago, Ill. Protractor or divider. No. 902,645; Nov. 3; Sp. p. 225; Gaz. vol. 137; p. 38.
- Campau, M. (See Nicklin and Campau.)
- Campbell, A., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door-operating mechanism. No. 883,933; Apr. 7; Sp. p. 530; Dr. pp. 104-5; Gaz. vol. 133; p. 1277.
- Campbell, A. C., Asheville, N. C. Coal-washer and ore-concentrator. No. 898,314; Sept. 8; Sp. p. 2174; Dr. pp. 461-2; Gaz. vol. 136; p. 376.
- Campbell, A. J. (See Randall and Campbell.)
- Campbell, A. J., assignor of one-half to E. Berg, Lovelock, Cal. Ratchet-wrench. No. 888,420; May 19; Sp. p. 4186; Dr. p. 887; Gaz. vol. 134; p. 742.
- Campbell, A. M., and A. F. Golding, Hobart, Tasmania, Australia. Variable-speed pulley. No. 889,902; June 9; Sp. p. 1399; Dr. p. 318; Gaz. vol. 134; p. 1310.
- Campbell, B. D., Oakland, Cal. Coin-controlled attachment for vending-machines. No. 883,386; Mar. 31; Sp. p. 5793; Dr. p. 1236; Gaz. vol. 133; p. 1072.
- Campbell, B. F., assignor to Campbell Graphite Lubricator Co., Little Rock, Ark. Lubricating device. (Reissue.) No. 12,785; Apr. 28; Sp. p. 5496; Dr. p. 1149; Gaz. vol. 133; p. 2153.
- Campbell Bosworth Machinery Company. (See Wilson, W., assignor.)
- Campbell, C. A., Philadelphia, Pa. Horseshoe. No. 876,265; Jan. 7; Sp. p. 1121; Dr. p. 243; Gaz. vol. 132; p. 190.
- Campbell, C. C., Los Angeles, Cal. Pulley. No. 900,481; Oct. 6; Sp. p. 872; Dr. p. 178; Gaz. vol. 136; p. 1208.
- Campbell, C. E., Chicago, Ill. Skirt-marker. No. 891,230; June 23; Sp. p. 4144; Dr. p. 907; Gaz. vol. 134; p. 1812.
- Campbell, C. H., *et al.*, executors. (See Campbell, J. H., assignor.)
- Campbell, C. H., New York, N. Y. Concentrated whole milk. No. 879,514; Feb. 18; Sp. p. 3332; Dr. p. 696; Gaz. vol. 132; p. 1452.
- Campbell, D. J., New York, N. Y., assignor to American Tobacco Company. Cigarette-machine. No. 876,327; Jan. 14; Sp. p. 1269; Dr. pp. 275-7; Gaz. vol. 132; p. 242.
- Campbell, E., *et al.*, executors. (See Campbell, J. H., assignor.)
- Campbell, F. (See Smith and Campbell.)
- Campbell, F. M., Chicago, Ill., assignor to Home Gas Machine Manufacturing Company. Air-pump for gas-machines. No. 899,481; Sept. 22; Sp. p. 4396; Dr. pp. 943-4; Gaz. vol. 136; p. 814.
- Campbell, G. H., Harrisburg, Pa. Piano-flange. No. 883,387; Mar. 31; Sp. p. 5796; Dr. p. 1237; Gaz. vol. 133; p. 1073.
- Campbell, G. N., Evansville, Ind. Baling device. No. 878,342; Feb. 4; Sp. p. 919; Dr. p. 183; Gaz. vol. 132; p. 997.
- Campbell, G. P., and F. H. Ringemann, Cincinnati, Ohio. Air-forcing means for a gas-generator. No. 882,994; Mar. 24; Sp. p. 4982; Dr. p. 1059; Gaz. vol. 133; p. 914.
- Campbell Graphite Lubricator Co. (See Campbell, B. F., assignor.) (Reissue.)
- Campbell, H. A., River Falls, Wis. Grain-separator. No. 896,891; Aug. 25; Sp. p. 4231; Dr. p. 905; Gaz. vol. 135; p. 1653.
- Campbell, H. G., assignor of one-half to C. C. Smith, Chicago, Ill. Moistener. No. 898,720; Sept. 15; Sp. p. 2969; Dr. p. 636; Gaz. vol. 136; p. 540.
- Campbell, H. G., assignor of one-half to C. C. Smith, Chicago, Ill. Device for applying liquids. No. 898,963; Sept. 15; Sp. p. 3406; Dr. pp. 731-2; Gaz. vol. 136; p. 620.
- Campbell, H. H., Steelton, Pa. Receiver for molten metal. No. 907,680; Dec. 22; Sp. p. 5064; Gaz. vol. 137; p. 1908.
- Campbell, H. L., and J. L. Watts, Nashville, Tenn. Electrical vapor apparatus. No. 878,710; Feb. 11; Sp. p. 1744; Dr. p. 361; Gaz. vol. 132; p. 1153.
- Campbell, I. M. R., Chicago, Ill. Garment-measuring device. No. 899,785; Sept. 29; Sp. p. 5058; Dr. p. 1083; Gaz. vol. 136; p. 951.
- Campbell, J., Providence, R. I. Coal-hoisting apparatus. No. 882,867; Mar. 24; Sp. p. 4734; Dr. p. 1006; Gaz. vol. 133; p. 872.

Alphabetical list of patentees—Continued.

- Campbell, J., Providence, R. I. Coal-delivery wagon. No. 882,868; Mar. 24; Sp. p. 4736; Dr. p. 1007; Gaz. vol. 133; p. 873.
- Campbell, J., Providence, R. I. Chute-wagon. No. 882,869; Mar. 24; Sp. p. 4738; Dr. p. 1007; Gaz. vol. 133; p. 873.
- Campbell, J., Pittsburg, Pa. Glass-making apparatus. No. 902,207; Oct. 27; Sp. p. 4464; Dr. p. 903; Gaz. vol. 136; p. 1862.
- Campbell, J. A. (See Long and Campbell.)
- Campbell, J. D., Brooklyn, N. Y. Pull-support. No. 894,186; July 28; Sp. p. 3781; Dr. p. 783; Gaz. vol. 135; p. 673.
- Campbell, J. E., assignor of one-half to T. D. Hewitt, Riverside, Cal. Harvester-reel. No. 907,966; Dec. 29; Sp. p. 5649; Gaz. vol. 137; p. 2030.
- Campbell, J. H., deceased, New York, N. Y., assignor, by mesne assignments, to C. H., E., and C. H. Campbell, executors. Apparatus for concentrating liquids. No. 879,515; Feb. 18; Sp. p. 3334; Dr. p. 696; Gaz. vol. 132; p. 1453.
- Campbell, J. L., West Adelaide, South Australia, Australia. Machine for molding plastic material. No. 887,720; May 12; Sp. p. 2796; Dr. p. 591; Gaz. vol. 134; p. 485.
- Campbell, J. W., Colorado Springs, Colo. Fire-escape. No. 879,439; Feb. 18; Sp. p. 3178; Dr. pp. 661-2; Gaz. vol. 132; p. 1427.
- Campbell, L. A. (See Smith, J. W., assignor.)
- Campbell, L. E., assignor of two-thirds to A. F. Davis and C. Thornton, Joplin, Mo. Nut-lock. No. 905,842; Dec. 8; Sp. p. 1444; Gaz. vol. 137; p. 1250.
- Campbell, L. H., assignor of one-half to A. A. Lindsey, trustee, Portland, Ore. Steering-wheel gear for road-vehicles. No. 891,205; June 16; Sp. p. 4069; Dr. pp. 892-3; Gaz. vol. 134; p. 1770.
- Campbell, L. H., assignor of one-half to A. A. Lindsey, trustee, Portland, Ore. Equalized oscillating gear for road-vehicles. No. 891,206; June 16; Sp. p. 4071; Dr. pp. 893-5; Gaz. vol. 134; p. 1771.
- Campbell, L. J., J. M. Faris, and F. Seigh, Youngstown, Ohio. Annealing-box. No. 889,438; June 2; Sp. p. 492; Dr. p. 117; Gaz. vol. 134; p. 1137.
- Campbell, L. W., Woonsocket, R. I. Trolley. No. 895,339; Aug. 4; Sp. p. 1133; Dr. p. 238; Gaz. vol. 135; p. 1082.
- Campbell, N. H. (See Strachan, W., assignor.)
- Campbell Printing Press & M'fg. Co. (See Huson, W. S., assignor.)
- Campbell Printing Press & Manufacturing Company. (See Johnston, R. T., assignor.)
- Campbell Printing Press & Manufacturing Company. (See Southgate, L. W., assignor.)
- Campbell Printing Press & Manufacturing Company. (See Wood, H. A. W., assignor.)
- Campbell, R., New York, N. Y. Hair-cutting device. No. 885,584; Apr. 21; Sp. p. 3935; Dr. p. 821; Gaz. vol. 133; p. 1872.
- Campbell, R., Liverpool, England. Furnace-grate and fire-bar. No. 902,135; Oct. 27; Sp. p. 4317; Dr. p. 874; Gaz. vol. 136; p. 1839.
- Campbell, R. G., assignor of one-half to C. Cone, Greensboro, N. C. Guide for warp-winding machines. No. 890,213; June 9; Sp. p. 2039; Dr. p. 449; Gaz. vol. 134; p. 1416.
- Campbell, S. H., St. Louis, Mo. Journal-bearing. No. 907,967; Dec. 29; Sp. p. 5551; Gaz. vol. 137; p. 2031.
- Campbell, V. E., assignor to Campbell's Automatic Safety Gas Burner Co., Portland, Ore. Automatic cut-off for liquid and gaseous fuel burners. No. 891,761; June 23; Sp. p. 5229; Dr. p. 1133; Gaz. vol. 134; p. 1987.
- Campbell, V. E., assignor to Campbell's Automatic Safety Gas Burner Co., Portland, Ore. Automatic gas cut-off. No. 897,816; Sept. 1; Sp. p. 1168; Dr. p. 249; Gaz. vol. 136; p. 185.
- Campbell, W. L., Kenton, Ohio. Kitchen-cabinet table. No. 878,769; Feb. 11; Sp. p. 1855; Dr. p. 383; Gaz. vol. 132; p. 1171.
- Campbell, W. H. (See Davis, F. E., assignor.)
- Campbell, W. J., and G. W. Hedrick, Dayton, Va. Combined front and apron for vehicles. No. 891,460; June 23; Sp. p. 4609; Dr. p. 1002; Gaz. vol. 134; p. 1888.
- Campbell, W. M. (See Smith and Campbell.)
- Campbell, W. O., St. Louis, Mo. Smoking-pipe. No. 900,482; Oct. 6; Sp. p. 873; Dr. p. 178; Gaz. vol. 136; p. 1208.
- Campbell, W. R., Little York, Ill. Draft-equalizer. No. 876,942; Jan. 21; Sp. p. 2578; Dr. p. 562; Gaz. vol. 132; p. 488.
- Campbell, W. R., Little York, Ill. Differential-draft appliance. No. 883,449; Mar. 31; Sp. p. 5938; Dr. p. 1266; Gaz. vol. 133; p. 1094.
- Campbell, W. R., Little York, Ill. Four-horse eveners. No. 891,524; June 23; Sp. p. 4749; Dr. p. 1029; Gaz. vol. 134; p. 1909.
- Campbell's Automatic Safety Gas Burner Co. (See Campbell, V. E., assignor.)
- Campe, J. H. (See Campe, W. E. and J. H.)
- Campe, W. E. and J. H., Atlanta, Ga. Advertising novelty. No. 907,313; Dec. 22; Sp. p. 4272; Gaz. vol. 137; p. 1787.
- Campion, H. C., Jr. (See Scott and Campion.)
- Campo, C., Turin, Italy. Gearing. No. 878,502; Feb. 11; Sp. p. 1305; Dr. pp. 263-4; Gaz. vol. 132; p. 1083.
- Canada Foundry Company. (See Harkom, J. W., assignor.)
- Canadian Copper Company. (See Browne, D. H., assignor.)
- Canavan, J. J., Brooklyn, N. Y. Abrading or polishing machine. No. 882,665; Mar. 24; Sp. p. 4323; Dr. pp. 919-20; Gaz. vol. 133; p. 807.
- Canby, W. W. (See McRae and Canby.)
- Canda, C. J., et al. (See Kretschmer, K. O., assignor.)
- Canda, F. E., et al. (See Kretschmer, K. O., assignor.)
- Canda, F. E., New York, N. Y., assignor to Chrome Steel Works, Chrome, N. J. Die. No. 883,695; Apr. 7; Sp. p. 21; Dr. p. 5; Gaz. vol. 133; p. 1199.
- Canda, F. M., New York, N. Y. Crusher plate, head, and the like. No. 883,619; Mar. 31; Sp. p. 6259; Dr. p. 1335; Gaz. vol. 133; p. 1146.
- Candy, A. R., Urbana, Ill. Cuspidor, drainage-bowl, or the like. No. 887,587; May 12; Sp. p. 2555; Dr. p. 539; Gaz. vol. 134; p. 440.
- Cane, W. E., Toronto, Ontario, assignor to Chapman Double Ball Bearing Company, of Canada, Limited, Toronto, Canada. Ball-bearing. No. 906,506; Dec. 15; Sp. p. 2695; Gaz. vol. 137; p. 1490.
- Canedy, W. E., Chicago Heights, Ill. Vise-head. No. 906,507; Dec. 15; Sp. p. 2696; Gaz. vol. 137; p. 1490.
- Canedy, W. E., assignor to F. H. Ayer Manufacturing Co., Chicago Heights, Ill. Vise. No. 890,841; June 16; Sp. p. 3350; Dr. p. 734; Gaz. vol. 134; p. 1653.
- Canell, B., West Springfield, Mass. Equalizing triple-pressure-retaining mechanism. No. 895,957; Aug. 11; Sp. p. 2359; Dr. p. 504; Gaz. vol. 135; p. 1305.
- Canfield, A. N., and B. E. Van Auken, Chicago, Ill. Radiator return-trap. No. 890,555; June 9; Sp. p. 2721; Dr. p. 602; Gaz. vol. 134; p. 1526.
- Canfield, C. E., Norwood, Ohio, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Dynamo-electric machine. No. 876,943; Jan. 21; Sp. p. 2581; Dr. p. 562; Gaz. vol. 132; p. 488.
- Canfield, F., assignor of one-half to V. Howard, Denver, Colo. Can-opener. No. 885,686; Apr. 21; Sp. p. 4141; Dr. p. 867; Gaz. vol. 133; p. 1906.
- Canfield, F., assignor to Union Manufacturing and Supply Company, Denver, Colo. Skirt-placket. No. 896,689; Aug. 18; Sp. p. 3793; Dr. p. 819; Gaz. vol. 135; p. 1562.
- Canfield, W. H., et al. (See Simonds, F. A., assignor.)
- Canham, V. H., Guelph, Ontario, Canada. Label-holder. No. 892,398; July 7; Sp. p. 19; Dr. p. 6; Gaz. vol. 135; p. 6.
- Cani, M., Cleveland, Ohio. Hose-coupling. No. 894,594; July 28; Sp. p. 4630; Dr. pp. 959-60; Gaz. vol. 135; p. 807.
- Cañizares, D. C., Paris, France. Automatic cut-off for electric currents. No. 887,918; May 19; Sp. p. 3220; Dr. p. 677; Gaz. vol. 134; p. 580.
- Canne, H. L., Dingman township, Pike county, Pa. Metallic belt. No. 892,807; July 7; Sp. p. 814; Dr. p. 173; Gaz. vol. 135; p. 139.
- Cannell, J. A. (See Baum, J. B., assignor.)
- Cannell, J. A., et al. (See Baum, J. B., assignor.)
- Canney, H., Colusa, Cal. Reel for clothes-lines. No. 881,772; Mar. 10; Sp. p. 2533; Dr. pp. 545-6; Gaz. vol. 133; p. 453.
- Canney, J. F. (See Miller and Canney.)
- Canniff, L. E., Lansing, Mich. Table. No. 899,383; Sept. 22; Sp. p. 4219; Dr. p. 903; Gaz. vol. 136; p. 783.
- Cannon, A. J., Wilkinsburg, Pa. Curtain and shade fixture. No. 877,704; Jan. 28; Sp. p. 4129; Dr. p. 894; Gaz. vol. 132; p. 759.
- Cannon, H. P., Canonsburg, Pa. Tag. No. 894,595; July 28; Sp. p. 4631; Dr. p. 960; Gaz. vol. 135; p. 808.
- Cannon, J. F. (See Luman, C. C., assignor.)
- Cannon, J. F., Texola, Okla. Animal-poke. No. 907,314; Dec. 22; Sp. p. 4273; Gaz. vol. 137; p. 1787.
- Cannon, J. T., New Athens, Ohio. Gate-operating mechanism. No. 889,903; June 9; Sp. p. 1401; Dr. p. 319; Gaz. vol. 134; p. 1311.
- Canode, F. B. (See Blean and Canode.)
- Cantelo, F. (See Rogers and Cantelo.)
- Cantillo, R. M., Norristown, Pa. Mail-bag catcher and deliverer. No. 901,877; Oct. 20; Sp. p. 3777; Dr. p. 768; Gaz. vol. 136; p. 1726.
- Cantine, M., Saugerties, N. Y. Machine for coating paper. No. 894,366; July 28; Sp. p. 4168; Dr. pp. 860-1; Gaz. vol. 135; p. 733.
- Canton Culvert Company. (See Schlafl, J. H., assignor.)
- Cantrovitz, H. S., Milwaukee, Wis. Roundabout. No. 879,143; Feb. 18; Sp. p. 2579; Dr. p. 537; Gaz. vol. 132; p. 1330.
- Cantwell, J. B., Watertown, N. Y. Rotary cutter. No. 892,977; July 14; Sp. p. 1190; Dr. p. 250; Gaz. vol. 135; p. 226.
- Cantwell, T., St. Louis, Mo. Hot-water bottle. No. 879,516; Feb. 18; Sp. p. 3337; Dr. pp. 696-7; Gaz. vol. 132; p. 1453.
- Cantwell, T., New York, assignor of one-half to J. O. Beers, Jr., Brooklyn, N. Y. Floor. No. 876,436; Jan. 14; Sp. p. 1509; Dr. p. 324; Gaz. vol. 132; p. 278.

Alphabetical list of patentees—Continued.

- Canty, S., New Albany, Ind. Railway-frog. No. 889,199; June 2; Sp. p. 22; Dr. p. 5; Gaz. vol. 134; p. 1061.
- Canty, T. E. (See Wilson, W. L., assignor.)
- Canuteson, A., and J. J. Ringness, Norse, Tex. Stalk-chopper. No. 907,221; Dec. 22; Sp. p. 4085; Gaz. vol. 137; p. 1753.
- Capellmann, H., Tarentum, Pa. Wrench. No. 903,667; Nov. 10; Sp. p. 2277; Gaz. vol. 137; p. 401.
- Capello, F. S., Schenectady, N. Y., assignor to General Electric Company. Snap-switch. No. 905,792; Dec. 1; Sp. p. 1338; Gaz. vol. 137; p. 1203.
- Capitaine, E., Reisholz, near Dusseldorf, Germany. Maintaining a constant or approximately constant temperature in a gas-producer. No. 888,421; May 19; Sp. p. 4187; Dr. p. 888; Gaz. vol. 134; p. 742.
- Capitaine, P. M., Les Lilas, France. Electric-arc lamp. No. 897,960; Sept. 8; Sp. p. 1506; Dr. p. 319; Gaz. vol. 136; p. 266.
- Capitaine, W. G., Richmond, Va. Power perforating-machine. No. 885,587; Apr. 21; Sp. p. 3338; Dr. pp. 822-3; Gaz. vol. 133; p. 1873.
- Caplan, R., Pittsburg, Pa. Watchmaker's tool. No. 902,939; Nov. 3; Sp. p. 320; Gaz. vol. 137; p. 136.
- Cappelletti, A. (See Ganucci-Cancellieri and Cappelletti.)
- Capper, E., Shenandoah, Pa. Draft-regulator. No. 907,968; Dec. 29; Sp. p. 5653; Gaz. vol. 137; p. 2031.
- Capper, E. C., Alpha, Iowa. Device for paraffining receptacles. No. 895,340; Aug. 4; Sp. p. 1134; Dr. p. 238; Gaz. vol. 135; p. 1083.
- Capper, E. C., Alpha, Iowa. Device for paraffining vessels. No. 899,511; Sept. 29; Sp. p. 4470; Dr. p. 959; Gaz. vol. 136; p. 860.
- Cappon, T. W., New York, N. Y. Cementing material and making same. No. 886,579; May 5; Sp. p. 463; Gaz. vol. 134; p. 85.
- Caps, A. W. (See Caps, J. E. and A. W.)
- Caps, J. E. and A. W., Kansas City, Mo. Power-transmission means. No. 881,545; Mar. 10; Sp. p. 2086; Dr. pp. 456-7; Gaz. vol. 133; p. 380.
- Caputo, J., assignor to one-half to R. Cardone, Frostburg, Pa. Rail-joint. No. 899,951; Sept. 29; Sp. p. 5407; Dr. p. 1153; Gaz. vol. 136; p. 1003.
- Caputo, L., East Boston, Mass. Expansion-block. No. 895,158; Aug. 4; Sp. p. 757; Dr. p. 158; Gaz. vol. 135; p. 1020.
- Car Ventilating and Heating Company. (See Porter, E. F., assignor.)
- Caracristi, V. Z., Granite, and G. W. Troxler, Richmond, Va. Screw-threading machine. No. 885,016; Apr. 21; Sp. p. 2750; Dr. pp. 583-4; Gaz. vol. 133; p. 1691.
- Carbonic Condensing Co. (See Reed, H. A., assignor.)
- Carborundum Company. (See Tone, F. J., assignor.)
- Card, F. S. (See Card, W. L. and F. S.)
- Card, J. F., assignor to Sheffield Car Company, Three Rivers, Mich. Armature-core. No. 891,906; June 30; Sp. p. 5545; Dr. p. 1196; Gaz. vol. 134; p. 2068.
- Card, J. W., Dryden, N. Y. Topper attachment for lawn-mowers. No. 887,461; May 12; Sp. p. 2300; Dr. p. 483; Gaz. vol. 134; p. 398.
- Card Manufacturing Company. (See Card, W. L. and F. S., assignors.)
- Card, W. L. and F. S., assignors to Card Manufacturing Company, Denver, Colo. Actuating mechanism for concentrators. No. 907,736; Dec. 29; Sp. p. 5169; Gaz. vol. 137; p. 1955.
- Card, W. L., F. W. Bosco, Denver, Colo., and C. I. Glassbrook, San Francisco, Cal. Sizing-classifier. No. 890,602; June 16; Sp. p. 2850; Dr. p. 628; Gaz. vol. 134; p. 1574.
- Cardell, C. O. L. (See Dexter and Cardell, assignors.)
- Cardell, E. F., Providence, R. I. Cover and drain attachment for sprinkler-heads. No. 876,771; Jan. 14; Sp. p. 2206; Dr. p. 485; Gaz. vol. 132; p. 391.
- Carden, G. M., *et al.* (See Crepar, T. M., assignor.)
- Cardiff, J., Potomac, Ill. Machine for making cement drain-tiles. No. 905,646; Dec. 1; Sp. p. 1071; Gaz. vol. 137; p. 1155.
- Cardone, R. (See Caputo, J., assignor.)
- Cardoza, J. B. N. (See Brown and Cardoza.)
- Cardwell, G. A., New York, N. Y., assignor to Telegraph Transmitting Instrument Company. Telegraphic transmitter. No. 897,454; Sept. 1; Sp. p. 438; Dr. pp. 94-5; Gaz. vol. 136; p. 69.
- Cardwell, G. A., assignor to American Telegraph Typewriter Company, New York, N. Y. Telegraph type-writer. No. 905,497; Dec. 1; Sp. p. 778; Gaz. vol. 137; p. 1108.
- Cardwell, J. R., Chicago, Ill. Car construction. No. 886,761; May 5; Sp. p. 882; Dr. p. 182; Gaz. vol. 134; p. 145.
- Carey, E., Myrtle Point, Oreg. Rope-clamp. No. 881,662; Mar. 10; Sp. p. 2231; Dr. p. 505; Gaz. vol. 133; p. 419.
- Carey, J., Vicksburg, Mich. Road-culvert. No. 884,072; Apr. 7; Sp. p. 812; Dr. p. 172; Gaz. vol. 133; p. 1323.
- Carey, L., Nashua, Iowa. Neck-yoke attachment. No. 891,404; June 23; Sp. p. 4508; Dr. p. 981; Gaz. vol. 134; p. 1870.
- Carey, R. F., assignor to J. H. Arber, London, England. Mechanism for opening and closing doors. No. 892,222; June 30; Sp. p. 3157; Dr. pp. 1326-7; Gaz. vol. 134; p. 2170.
- Carey, T. W., Jr., New Orleans, La. Railway-spike. No. 880,480; Feb. 25; Sp. p. 5351; Dr. p. 1128; Gaz. vol. 132; p. 1804.
- Carey, W., Lexington, Miss. Band-saw. No. 881,107; Mar. 10; Sp. p. 1227; Dr. p. 264; Gaz. vol. 133; p. 238.
- Carhart, H. A., assignor to A. T. Brown, Syracuse, N. Y. Type-writing machine. No. 884,638; Apr. 14; Sp. p. 1964; Dr. p. 422; Gaz. vol. 133; p. 1536.
- Carlhuff, N. W., assignor to Eastman Kodak Co., Rochester, N. Y. Apparatus for holding flexible sheets. No. 902,940; Nov. 3; Sp. p. 822; Gaz. vol. 137; p. 136.
- Carl, A. C., Joplin, Mo. Hook-eye. No. 904,405; Nov. 17; Sp. p. 3830; Gaz. vol. 137; p. 681.
- Carl, C., Philadelphia, Pa. Tool-chest. No. 903,668; Nov. 10; Sp. p. 2278; Gaz. vol. 137; p. 401.
- Carl, F. J. and H. G., Chicago, Ill. Picture and looking-glass frame. No. 903,955; Nov. 17; Sp. p. 2888; Gaz. vol. 137; p. 527.
- Carl, H. G. (See Carl, F. J. and H. G.)
- Carlberger, L., Vienna, Austria-Hungary. Incubator. No. 894,114; July 21; Sp. p. 3615; Dr. p. 745; Gaz. vol. 135; p. 630.
- Carlborg, O., Providence, R. I. Magneto-electric igniter device for explosive-engines. No. 878,935; Feb. 11; Sp. p. 2171; Dr. p. 454; Gaz. vol. 132; p. 1224.
- Carlborg, O., Providence, R. I. Electromagnetic sparking plug. No. 895,958; Aug. 11; Sp. p. 2362; Dr. p. 504; Gaz. vol. 135; p. 1306.
- Carle, T. J., Kingston, Pa. Paint pot and brush holder. No. 881,054; Mar. 3; Sp. p. 1119; Dr. p. 242; Gaz. vol. 133; p. 191.
- Carlen, J., Havana, N. D. Concrete-mixer. No. 892,399; July 7; Sp. p. 20; Dr. p. 6; Gaz. vol. 135; p. 6.
- Carleton, F. B., Salem, Mass. Hydrocarbon-torch. No. 901,307; Oct. 13; Sp. p. 2552; Dr. p. 525; Gaz. vol. 136; p. 1501.
- Carleton, L. H., Troy, N. Y. Dampening and stretching machine. No. 904,406; Nov. 17; Sp. p. 3831; Gaz. vol. 137; p. 681.
- Carleton, O. M., Somerville, assignor to one-half to A. Robart, Cambridge, Mass. Detachable harness-support. No. 890,123; June 9; Sp. p. 1857; Dr. p. 409; Gaz. vol. 134; p. 1386.
- Carley Heater Company. (See Staley, H. W., assignor.)
- Carlgen, K. W., Salt Lake City, Utah. Car-brake. No. 893,781; July 21; Sp. p. 2930; Dr. p. 599; Gaz. vol. 135; p. 520.
- Carlgen, K. W., Salt Lake City, Utah. Pipe-coupling. No. 895,617; Aug. 11; Sp. p. 1683; Dr. p. 355; Gaz. vol. 135; p. 1196.
- Carlin, D., Bellevue, Pa. Lead-press. No. 882,742; Mar. 24; Sp. p. 4478; Dr. p. 953; Gaz. vol. 133; p. 832.
- Carlin, J., Newton Falls, N. Y. Saw-jointing and saw-swaging implement. No. 898,964; Sept. 15; Sp. p. 3408; Dr. p. 734; Gaz. vol. 136; p. 620.
- Carlin, W. H., Owensboro, Ky. Fish-plate. No. 897,961; Sep. 8; Sp. p. 1508; Dr. p. 319; Gaz. vol. 136; p. 266.
- Carlin, W. M., Indianapolis, Ind. Carburetor. No. 904,508; Nov. 24; Sp. p. 4064; Gaz. vol. 137; p. 741.
- Carlson, A. M., St. Paul, Minn. Sewing-machine needle. No. 879,608; Feb. 18; Sp. p. 3549; Dr. p. 742; Gaz. vol. 132; p. 1482.
- Carlson, A. E., assignor to E. Dannecker, Minneapolis, Minn. Window-cleaner attachment. No. 898,316; Sept. 8; Sp. p. 2180; Dr. p. 462; Gaz. vol. 136; p. 377.
- Carlson, E. and C., Okemah, Mich. Potato-bug exterminator. No. 890,495; June 9; Sp. p. 2605; Dr. pp. 577-8; Gaz. vol. 134; p. 1506.
- Carlson, C. (See Carlson, E. and C.)
- Carlson, C. A. (See Palmer and Carlson.)
- Carlson, C. A., Brooklyn, N. Y. Amusement apparatus. No. 886,762; May 5; Sp. p. 885; Dr. p. 183; Gaz. vol. 134; p. 145.
- Carlson, C. A., Kokomo, Ind. Winding-machine. No. 904,836; Nov. 24; Sp. p. 4751; Gaz. vol. 137; p. 852.
- Carlson, C. A., Barborton, Ohio, assignor to Diamond Match Company, Chicago, Ill. Composition-applying mechanism for match-machines. No. 880,354; Feb. 25; Sp. p. 5067; Dr. p. 1070; Gaz. vol. 132; p. 1760.
- Carlson, C. J., Wahoo, Nebr. Road-drag. No. 880,970; Mar. 3; Sp. p. 972; Dr. p. 210; Gaz. vol. 133; p. 164.
- Carlson, C. M. E. (See Carlson, E., assignor.)
- Carlson, C. O., Fort Richmond, N. Y. Gas-engine. No. 882,812; Mar. 24; Sp. p. 4612; Dr. p. 983; Gaz. vol. 133; p. 855.
- Carlson, C. W., and J. P. Nyström, Cleveland, Ohio. Reel for rod-mills. No. 895,959; Aug. 11; Sp. p. 2364; Dr. pp. 504-5; Gaz. vol. 135; p. 1306.
- Carlson, E., Chicago, Ill. Action for pneumatic piano-players. No. 892,400; July 7; Sp. p. 22; Dr. pp. 6-7; Gaz. vol. 135; p. 7.
- Carlson, E., assignor to one-half to C. M. E. Carlson, Minneapolis, Minn. Sliding-door fastener. No. 901,419; Oct. 20; Sp. p. 2828; Dr. p. 577; Gaz. vol. 136; p. 1577.
- Carlson, F. B., Holdrege, Nebr. Tooth for threshing-machines. No. 885,433; Apr. 21; Sp. p. 3628; Dr. p. 761; Gaz. vol. 133; p. 1827.
- Carlson, F. E., assignor to Stanley Rule & Level Company, New Britain, Conn. Bit extension. No. 899,203; Sept. 22; Sp. p. 3874; Dr. p. 828; Gaz. vol. 136; p. 726.

Alphabetical list of patentees—Continued.

- Carlson, G. A. (See Miller and Carlson.)
- Carlson, G. A., Moscow, Idaho. Corner-fastening for bedsteads. No. 904,681; Nov. 24; Sp. p. 4407; Gaz. vol. 137; p. 800.
- Carlson, J., Jersey City, N. J. Lock. No. 892,649; July 7; Sp. p. 499; Dr. p. 106; Gaz. vol. 135; p. 89.
- Carlson, J. A., Chicago, Ill. Windmill. No. 893,052; July 14; Sp. p. 1355; Dr. p. 286; Gaz. vol. 135; p. 251.
- Carlson, J. E., Vermilion, S. D. Dipping-car. No. 893,782; July 21; Sp. p. 2930; Dr. p. 600; Gaz. vol. 135; p. 520.
- Carlson, J. F., Worcester, Mass. Grinding-machine. No. 877,170; Jan. 21; Sp. p. 3068; Dr. p. 664; Gaz. vol. 132; p. 565.
- Carlson, J. O., Funk, Neb. Adjustable concave for grain-threshing machines. No. 902,710; Nov. 3; Sp. p. 358; Gaz. vol. 137; p. 61.
- Carlson, J. O., Funk, Neb. Threshing-machine. No. 903,054; Nov. 3; Sp. p. 1050; Gaz. vol. 137; p. 172.
- Carlson, J. W., Clifton, Oreg., assignor of one-half to R. Manary, Yacolt, Wash. Pulley-block. No. 907,004; Dec. 15; Sp. p. 3631; Gaz. vol. 137; p. 1646.
- Carlson, O., assignor of one-half to F. G. Theselius, Chicago, Ill. Brick-handling appliance. No. 883,388; Mar. 31; Sp. p. 5797; Dr. p. 1237; Gaz. vol. 133; p. 1073.
- Carlson, O. F., Stockholm, Sweden. Making nitrogen compound. No. 903,541; Nov. 10; Sp. p. 2019; Gaz. vol. 137; p. 361.
- Carlson, S., S. Johnson, and O. Olson, Chicago, Ill. Window-sash balance. No. 908,202; Dec. 29; Sp. p. 6162; Gaz. vol. 137; p. 2111.
- Carlson, V., Peoria, Ill. Wrench. No. 897,584; Sept. 1; Sp. p. 703; Dr. p. 148; Gaz. vol. 136; p. 111.
- Carlsson, H., Harvard, Ill. Roller-skate. No. 889,580; June 2; Sp. p. 775; Dr. p. 177; Gaz. vol. 134; p. 1182.
- Carlton, H. A. (See Lau, C. H., assignor.)
- Carlton, W. F., Advance, Mo. Pneumatic grain-conveyer. No. 883,292; Mar. 31; Sp. p. 5598; Dr. p. 1193; Gaz. vol. 133; p. 1042.
- Carlton, W. F., Advance, Mo. Apparatus for treating grain. No. 888,467; May 26; Sp. p. 4286; Dr. p. 907; Gaz. vol. 134; p. 787.
- Carlton, W. F., Advance, Mo. Pneumatic drier and conveyer. No. 889,658; Sept. 29; Sp. p. 4779; Dr. p. 1023; Gaz. vol. 136; p. 908.
- Carman, A. O., Homer, Mich. Transmission-gearing. No. 878,609; Feb. 11; Sp. p. 1546; Dr. p. 315; Gaz. vol. 132; p. 1119.
- Carman, S. (See Carman, W., assignor.)
- Carman, W., assignor to S. Carman, Napanoch, N. Y. Punch. No. 884,350; Apr. 7; Sp. p. 1371; Dr. p. 293; Gaz. vol. 133; p. 1412.
- Carmar, J. R., and W. S. Hukill, Wilmington, Del. Fluid storing and transporting receptacle. No. 906,381; Dec. 8; Sp. p. 2469; Gaz. vol. 137; p. 1424.
- Carmichael, D. B. (See Boyse, C. W., assignor.)
- Carmichael, D. B. (See Boyse and Carmichael.)
- Carmichael, H. A., West Lorne, Ontario, Canada. Corner-lock for cement-molds. No. 881,224; Mar. 10; Sp. p. 1462; Dr. p. 314; Gaz. vol. 133; p. 277.
- Carmouche, E. A., Shreveport, La., assignor of one-half to M. Krueger, San Antonio, Tex. Cotton cleaner, feeder, and separator elevator. No. 888,422; May 19; Sp. p. 4189; Dr. p. 888; Gaz. vol. 134; p. 742.
- Carnall, J. L., New York, N. Y. Electrical connector. No. 884,312; Apr. 7; Sp. p. 1293; Dr. p. 274; Gaz. vol. 133; p. 1399.
- Carnegie Steel Company. (See Davis, C., assignor.)
- Carnegie Steel Company. (See Schoen, C. T., assignor.)
- Carnes, I. P., et al. (See Haines, L. A., assignor.)
- Carney Adjustable Horse Shoe Company. (See Carney, P. W., assignor.)
- Carney, E., High Falls, N. Y. Window-screen. No. 901,521; Oct. 20; Sp. p. 3062; Dr. p. 625; Gaz. vol. 136; p. 1611.
- Carney, F. D., assignor to Pennsylvania Steel Company, Steelton, Pa. Manufacturing steel from chromiferous pig-iron. No. 902,052; Oct. 27; Sp. p. 4156; Gaz. vol. 136; p. 1813.
- Carney, M. J., Brookline, Mass. Ash-receptacle. No. 898,091; Sept. 8; Sp. p. 1753; Dr. p. 373; Gaz. vol. 136; p. 307.
- Carney, P. W., Norfolk, Va., assignor to Carney Adjustable Horse Shoe Company. Horseshoe. No. 902,711; Nov. 3; Sp. p. 360; Gaz. vol. 137; p. 61.
- Carney, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 876,295; Jan. 7; Sp. p. 1198; Dr. pp. 261-3; Gaz. vol. 132; p. 202.
- Carney, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 884,639; Apr. 14; Sp. p. 1967; Dr. pp. 422-6; Gaz. vol. 133; p. 1536.
- Carney, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 884,640; Apr. 14; Sp. p. 1986; Dr. pp. 426-8; Gaz. vol. 133; p. 1537.
- Carney, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 895,960; Aug. 11; Sp. p. 2367; Dr. pp. 505-6; Gaz. vol. 135; p. 1307.
- Caro, N. (See Frank and Caro.) (Reissue.)
- Caron, A., Indian Orchard, Mass. Trolley-line clamp. No. 886,942; May 5; Sp. p. 1203; Dr. p. 255; Gaz. vol. 134; p. 200.
- Carothers, B. E., Milan, Mo. Colander. No. 879,440; Feb. 18; Sp. p. 3180; Dr. p. 662; Gaz. vol. 132; p. 1428.
- Carothers, H. A. (See Freese, Romigh, and Carothers.)
- Carpenter, A., and C. C. Kissell, Findlay, Ohio. Cushioning device for vehicles. No. 904,837; Nov. 24; Sp. p. 4753; Gaz. vol. 137; p. 853.
- Carpenter, A. W. (See Blum, J., assignor.)
- Carpenter, C. R., Racine, Wis. Guard for fish-hooks. No. 889,356; June 2; Sp. p. 319; Dr. p. 75; Gaz. vol. 134; p. 1110.
- Carpenter, C. U., New York, N. Y. Safe. No. 882,995; Mar. 24; Sp. p. 4984; Dr. pp. 1059-60; Gaz. vol. 133; p. 915.
- Carpenter, E. A., Detroit, Mich. Oven. No. 892,361; June 30; Sp. p. 6418; Dr. p. 1385; Gaz. vol. 134; p. 2215.
- Carpenter, E. C., Braddock, Pa. Wrench. No. 889,581; June 2; Sp. p. 776; Dr. p. 177; Gaz. vol. 134; p. 1182.
- Carpenter, E. P., Pawtucket, R. I. Metal-planing machine. No. 879,734; Feb. 18; Sp. p. 3793; Dr. p. 796; Gaz. vol. 132; p. 1523.
- Carpenter, E. P., Pawtucket, R. I. Rotary explosive-engine. No. 888,965; Sept. 15; Sp. p. 3409; Dr. p. 732; Gaz. vol. 136; p. 620.
- Carpenter, F. R., assignor to American Iron and Steel Alloys Company, Denver, Colo. Treating metalliferous ores. No. 904,858; Nov. 24; Sp. p. 4754; Gaz. vol. 137; p. 853.
- Carpenter, G. A., administratrix. (See Carpenter, H. H.)
- Carpenter, G. J. F. (See Carpenter, J. H., Jr., and G. J. F.)
- Carpenter, H. A., Sewickley, Pa., assignor to Ritter-Conley Manufacturing Company, Jersey City, N. J. Gas-holder. No. 880,441; Feb. 25; Sp. p. 5261; Dr. p. 1107; Gaz. vol. 132; p. 1790.
- Carpenter, H. A., Sewickley, Pa., assignor to Ritter-Conley Manufacturing Company, Jersey City, N. J. Mechanism for controlling fluid-pressure. No. 881,376; Mar. 10; Sp. p. 1775; Dr. p. 383; Gaz. vol. 133; p. 326.
- Carpenter, H. E., Sewickley, Pa., assignor to Ritter-Conley Manufacturing Company, Jersey City, N. J. Mechanism for operating the rake and rake-carriage of retort-drawing machines. No. 880,439; Feb. 25; Sp. p. 5257; Dr. p. 1106; Gaz. vol. 132; p. 1790.
- Carpenter, H. E., Sewickley, Pa., assignor to Ritter-Conley Manufacturing Company, Jersey City, N. J. Charging and drawing machine for gas-retorts. No. 880,440; Feb. 25; Sp. p. 5259; Dr. pp. 1106-7; Gaz. vol. 132; p. 1790.
- Carpenter, H. H., deceased; G. A. Carpenter, New York, administratrix, assignor, by mesne assignments, to American Battery Company, Cedarhurst, N. Y. Storage battery. No. 884,264; Apr. 7; Sp. p. 1219; Dr. p. 256; Gaz. vol. 133; p. 1386.
- Carpenter, H. L., Minneapolis, Minn. Fire-extinguisher. No. 899,952; Sept. 29; Sp. p. 5408; Dr. p. 1153; Gaz. vol. 136; p. 1004.
- Carpenter, H. M. (See Smith, J., assignor.)
- Carpenter, H. N., New York, N. Y. Fountain-pen filler. No. 887,919; May 19; Sp. p. 3222; Dr. p. 678; Gaz. vol. 134; p. 580.
- Carpenter, H. W., assignor to American Woven Lath Company, Washington, D. C. Slat-weaving machine. No. 877,904; Feb. 4; Sp. p. 14; Dr. pp. 3-4; Gaz. vol. 132; p. 851.
- Carpenter, H. W., assignor to American Woven Lath Company, Washington, D. C. Slat-weaving machine. No. 881,225; Mar. 10; Sp. p. 1463; Dr. p. 315; Gaz. vol. 133; p. 277.
- Carpenter, J. B., administrator. (See Wilkin, T. S.)
- Carpenter, J. H., Jr., and G. J. F., Ossining, N. Y. Attachment for motor-vehicles. No. 883,167; Mar. 31; Sp. p. 5327; Dr. p. 1136; Gaz. vol. 133; p. 1000.
- Carpenter, J. P., Ithaca, Mich. Combination steering and driving axle for motor-vehicles. No. 885,585; Apr. 21; Sp. p. 3936; Dr. pp. 821-2; Gaz. vol. 133; p. 1873.
- Carpenter, R. B., Manchester, N. H. Holdback-iron. No. 891,668; June 23; Sp. p. 5061; Dr. p. 1092; Gaz. vol. 134; p. 1956.
- Carpenter, R. G., assignor of one-half to himself and one-half to G. S. Blakeslee, Chicago, Ill. Cleaning and polishing machine. No. 892,934; July 7; Sp. p. 1100; Dr. p. 231; Gaz. vol. 135; p. 182.
- Carpenter, V. F., Cleveland, Ohio. Explosive-engine. No. 898,317; Sept. 8; Sp. p. 2180; Dr. p. 463; Gaz. vol. 136; p. 377.
- Carpenter, W. H., Lehr, N. D. Combined clothes and clothes-pin receptacle. No. 898,315; Sept. 8; Sp. p. 2179; Dr. p. 462; Gaz. vol. 136; p. 377.
- Carpenter, W. H., assignor to Bristol Brass Company, Bristol, Conn. Machine for scouring sheet metal. No. 884,313; Apr. 7; Sp. p. 1295; Dr. p. 274; Gaz. vol. 133; p. 1400.
- Carpenter, W. H., assignor to Bristol Brass Company, Bristol, Conn. Machine for coiling sheet metal. No. 884,314; Apr. 7; Sp. p. 1298; Dr. p. 275; Gaz. vol. 133; p. 1400.
- Carr, A. W. (See Castle, E. D., assignor.)
- Carr, C. H., Lowell, assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 887,920; May 19; Sp. p. 3223; Dr. p. 678; Gaz. vol. 134; p. 581.
- Carr & Company, M. W. (See Carr, F. M., assignor.)

Alphabetical list of patentees—Continued.

- Carr, D. W., Cleveland, Ohio. Match-box and blank therefor. No. 908,070; Dec. 29; Sp. p. 5856; Gaz. vol. 137; p. 2065.
 Carr, D. W., Cleveland, Ohio. Belt-punch. No. 908,071; Dec. 29; Sp. p. 5858; Gaz. vol. 137; p. 2065.
 Carr, E. R., Avon, Ill. Wire-fence stretcher. No. 902,712; Nov. 3; Sp. p. 362; Gaz. vol. 137; p. 62.
 Carr, F. M., Somerville, assignor to M. W. Carr & Company, West Somerville, Mass. Easel. No. 887,767; May 19; Sp. p. 2910; Dr. p. 614; Gaz. vol. 134; p. 529.
 Carr, F. S., Malden, assignor to Carr Fastener Company, Boston, Mass. Attaching means for fastening members. No. 885,434; Apr. 21; Sp. p. 3629; Dr. p. 761; Gaz. vol. 133; p. 1827.
 Carr Fastener Company. (See Carr, F. S., assignor.)
 Carr, J., *et al.* (See Wilson, S. T., assignor.)
 Carr, J. W., Manchester, assignor to W. W. Pilkington, Prescot, England. Weft-replenishing loom. No. 896,800; Aug. 25; Sp. p. 4042; Dr. pp. 870-1; Gaz. vol. 135; p. 1624.
 Carr, L., Oakland, Cal. Stove-grate. No. 906,101; Dec. 8; Sp. p. 1942; Gaz. vol. 137; p. 1332.
 Carr, L., Los Angeles, Cal. Stove. No. 908,203; Dec. 29; Sp. p. 6164; Gaz. vol. 137; p. 2111.
 Carr, M., assignor of sixty-five one-hundredths to J. C. Carry, Chicago, Ill. Side bearing for truck-bolsters. No. 907,005; Dec. 15; Sp. p. 3632; Gaz. vol. 137; p. 1647.
 Carr, O., Canton, N. C. Wood-chipping machine. No. 892,808; July 7; Sp. p. 815; Dr. p. 174; Gaz. vol. 135; p. 140.
 Carr, R. J., Petoskey, Mich. Railway-tie. No. 905,285; Dec. 1; Sp. p. 313; Gaz. vol. 137; p. 1037.
 Carr, W. C., Buffalo, N. Y. Transportation system. No. 899,588; Sept. 29; Sp. p. 4636; Dr. p. 995; Gaz. vol. 136; p. 887.
 Carr, W. C., Buffalo, N. Y. Transportation system. No. 906,689; Dec. 15; Sp. p. 3041; Gaz. vol. 137; p. 1547.
 Carraine, E., Philadelphia, Pa. Cloth-winding board. No. 880,276; Feb. 25; Sp. p. 4928; Dr. p. 1043; Gaz. vol. 132; p. 1735.
 Carraway, J. W., St. James City, Fla. Envelop. No. 883,620; Mar. 31; Sp. p. 6262; Dr. p. 1336; Gaz. vol. 133; p. 1146.
 Carrera, J. M. R., *et al.* (See Jiminez, A. L., assignor.)
 Carriek, J. T., and S. Pattison, Johannesburg, Transvaal. Smelting sulfid ores. No. 882,234; Mar. 17; Sp. p. 3499; Gaz. vol. 133; p. 631.
 Carrier, A., Alabaster, Mich. Level and compass. No. 898,092; Sept. 8; Sp. p. 1754; Dr. p. 373; Gaz. vol. 136; p. 307.
 Carrier, C. F., Jr., Elmira, N. Y. Producing amalgams or alloys. No. 895,159; Aug. 4; Sp. p. 759; Dr. pp. 158-9; Gaz. vol. 135; p. 1021.
 Carrier, C. F., Jr., assignor to Elmira Electrochemical Company, Elmira, N. Y. Apparatus for electrolysis of brine. No. 881,108; Mar. 10; Sp. p. 1228; Dr. p. 264; Gaz. vol. 133; p. 238.
 Carrier, F. P., Edgerton, Wis. Internal-combustion engine. No. 878,936; Feb. 11; Sp. p. 2174; Dr. p. 454; Gaz. vol. 132; p. 1224.
 Carrier, H. S., Meriden, Conn. Ironing-board. No. 906,382; Dec. 8; Sp. p. 2471; Gaz. vol. 137; p. 1424.
 Carrier-Low Company. (See Low, J. W., assignor.)
 Carrier, W. H., assignor to Buffalo Forge Company, Buffalo, N. Y. Differential thermostat. No. 896,690; Aug. 18; Sp. p. 3794; Dr. p. 819; Gaz. vol. 135; p. 1562.
 Carrier, W. H., assignor to Buffalo Forge Company, Buffalo, N. Y. Differential thermostat. No. 902,713; Nov. 3; Sp. p. 363; Gaz. vol. 137; p. 62.
 Carrigan, J. J., St. Paul, Minn. Gate. No. 907,006; Dec. 15; Sp. p. 3633; Gaz. vol. 137; p. 1647.
 Carrington, E. R., Montreal, Quebec, Canada. Railway-passenger-car construction. No. 902,855; Nov. 3; Sp. p. 655; Gaz. vol. 137; p. 110.
 Carrington, R. W., Kansas City, Mo. Hinge for window-screens. No. 882,813; Mar. 24; Sp. p. 4614; Dr. p. 983; Gaz. vol. 133; p. 855.
 Carrington-Strang, M., Chicago, Ill. Abdominal supporter. No. 898,093; Sept. 8; Sp. p. 1755; Dr. p. 373; Gaz. vol. 136; p. 308.
 Carroll Barb-Wire Manufacturing and Fence Co. (See Kilmer, W. A., assignor.)
 Carroll, C., Chicago, Ill. Cart. No. 885,586; Apr. 21; Sp. p. 3937; Dr. p. 822; Gaz. vol. 133; p. 1873.
 Carroll, C. B., East St. Louis, Ill. Kite attachment. No. 876,690; Jan. 14; Sp. p. 2078; Dr. p. 451; Gaz. vol. 132; p. 367.
 Carroll, C. E., Hamler, Ohio. End-gate for wagons. No. 889,295; June 2; Sp. p. 203; Dr. p. 51; Gaz. vol. 134; p. 1090.
 Carroll, C. F. (See Dorward, E. P., assignor.)
 Carroll, C. G., and W. H. Adams, Fayetteville, Ark. Solder for aluminum and other metals. No. 906,383; Dec. 8; Sp. p. 2472; Gaz. vol. 137; p. 1425.
 Carroll, E. L., Creston, Iowa. Auxiliary car-step. No. 905,843; Dec. 8; Sp. p. 1445; Gaz. vol. 137; p. 1250.
 Carroll, F. C., Painesville, Ohio. Stamp-printing device. No. 889,357; June 2; Sp. p. 320; Dr. p. 76; Gaz. vol. 134; p. 1110.
 Carroll, F. M., assignor to Connecticut Computing Machine Company, New Haven, Conn. Motor-drive for calculating-machines. No. 905,146; Dec. 1; Sp. p. 37; Gaz. vol. 137; p. 996.
 Carroll, G. H., Vacaville, Cal. Fire-alarm. No. 881,663; Mar. 10; Sp. p. 2332; Dr. p. 505; Gaz. vol. 133; p. 419.
 Carroll, G. P., Bridgeport Conn. Hydraulic air and gas compressor. No. 883,696; Apr. 7; Sp. p. 22; Dr. pp. 5-6; Gaz. vol. 133; p. 1199.
 Carroll, G. P., Bridgeport, Conn. Automatic expansion-valve. No. 906,508; Dec. 15; Sp. p. 2698; Gaz. vol. 137; p. 1491.
 Carroll, G. P., Bridgeport, Conn. Electric water-valve. No. 906,509; Dec. 15; Sp. p. 2701; Gaz. vol. 137; p. 1491.
 Carroll, H. M., San Antonio, Tex. Fan-deflector. No. 884,894; Apr. 14; Sp. p. 2500; Dr. p. 528; Gaz. vol. 133; p. 1620.
 Carroll, J. B., Chicago, Ill. Scissors-sharpener. No. 901,522; Oct. 20; Sp. p. 3064; Dr. p. 626; Gaz. vol. 136; p. 1612.
 Carroll, J. E., assignor to CO₂ Development Company, Philadelphia, Pa. Boat-propelling apparatus. No. 888,586; May 26; Sp. p. 4523; Dr. p. 960; Gaz. vol. 134; p. 829.
 Carroll, J. R. (See Foley, A. G., assignor.)
 Carroll, L. A., assignor of one-half to E. B. Casady, Unionville, Mo. Ice-cream-can attachment. No. 884,315; Apr. 7; Sp. p. 1299; Dr. p. 275; Gaz. vol. 133; p. 1400.
 Carroll, L. P., New York, N. Y. Combined wagon and truck. No. 884,127; Apr. 7; Sp. p. 972; Dr. p. 201; Gaz. vol. 133; p. 1341.
 Carroll, M., Kansas City, Mo. Sidewalk-ventilator. No. 896,273; Aug. 18; Sp. p. 2954; Dr. p. 636; Gaz. vol. 135; p. 1430.
 Carroll, M. W., Beaumont, assignor of one-half to H. G. Johnston, Corsicana, Tex. Casing-spear. No. 897,250; Aug. 25; Sp. p. 5089; Dr. p. 1062; Gaz. vol. 135; p. 1776.
 Carroll, O. S., and J. C. Zander, Elma, Wash. Logging-car stake. No. 891,461; June 23; Sp. p. 4611; Dr. p. 1002; Gaz. vol. 134; p. 1888.
 Carroll, P. H. (See Voris and Carroll.)
 Carroll, T., Anaheim, Cal. Combination dump and hopper. No. 876,896; Jan. 14; Sp. p. 2455; Dr. p. 536; Gaz. vol. 132; p. 432.
 Carroll, T., Anaheim, Cal. Combination wagon or other vehicle. No. 882,743; Mar. 24; Sp. p. 4481; Dr. pp. 954-5; Gaz. vol. 133; p. 832.
 Carroll, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 879,081; Feb. 11; Sp. p. 2428; Dr. pp. 508-10; Gaz. vol. 132; p. 1268.
 Carroll, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. (Reissue.) No. 12,774; Apr. 7; Sp. p. 1372; Dr. pp. 293-4; Gaz. vol. 133; p. 1412.
 Carroll, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 903,172; Nov. 10; Sp. p. 1264; Gaz. vol. 137; p. 240.
 Carroll, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 903,837; Nov. 17; Sp. p. 2622; Gaz. vol. 137; p. 487.
 Carroll, T., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 903,838; Nov. 17; Sp. p. 2626; Gaz. vol. 137; p. 488.
 Carroll, W. H., Jersey City, N. J. Transportation-check and holder. No. 898,630; Sept. 15; Sp. p. 2802; Dr. p. 599; Gaz. vol. 136; p. 512.
 Carroll, W. J., assignor to Sargent & Company, New Haven, Conn. Lock. No. 898,434; Sept. 15; Sp. p. 2412; Dr. pp. 516-17; Gaz. vol. 136; p. 449.
 Carroll, W. J., assignor to Sargent & Company, New Haven, Conn. Lock. No. 903,839; Nov. 17; Sp. p. 2629; Gaz. vol. 137; p. 488.
 Carroll, W. N., assignor of one-half to H. F. Schlink and D. G. Tyler, Minneapolis, Minn. Sliding-door fastener. No. 882,296; Mar. 17; Sp. p. 3619; Dr. p. 768; Gaz. vol. 133; p. 652.
 Carry, J. C. (See Carr, M., assignor.)
 Carson, C. W., assignor of two-thirds to E. V. White and F. F. Harl, St. Joseph, Mo. Cutting apparatus for harvesters. No. 892,028; June 30; Sp. p. 5778; Dr. pp. 1283-4; Gaz. vol. 134; p. 2106.
 Carson, D. C. (See Atkins and Carson.)
 Carson, G. (See Wood and Carson.)
 Carson, G. C., Denver, Colo. Gas-converting process. No. 876,437; Jan. 14; Sp. p. 1511; Dr. p. 325; Gaz. vol. 132; p. 279.
 Carson, W. L., and G. R. Couls, Seattle, Wash. Pattern-cutting device. No. 898,830; Sept. 15; Sp. p. 3171; Dr. p. 678; Gaz. vol. 136; p. 576.
 Carstens, E., Nuremberg, Germany. Cutter-head for planing-machines. No. 877,407; Jan. 21; Sp. p. 3529; Dr. p. 765; Gaz. vol. 132; p. 642.
 Carstens, J. H. (See Watson, N. M., assignor.)
 Cart, S. C., Spokane, Wash. Signaling device. No. 882,744; Mar. 24; Sp. p. 4484; Dr. p. 955; Gaz. vol. 133; p. 833.
 Carter, C. A., Klein, Mich. Fence-post. No. 880,355; Feb. 25; Sp. p. 5069; Dr. p. 1070; Gaz. vol. 132; p. 1761.
 Carter, C. L., Marion, Ind. Illuminated sign. No. 898,184; Sept. 8; Sp. p. 1942; Dr. p. 414; Gaz. vol. 136; p. 337.
 Carter, C. W., Liverpool, England. Metallic packing-ring. No. 892,978; July 14; Sp. p. 1191; Dr. pp. 250-1; Gaz. vol. 135; p. 226.
 Carter, C. W., Minneapolis, Minn. Shoe-blackening stand. No. 908,204; Dec. 29; Sp. p. 6165; Gaz. vol. 137; p. 2111.
 Carter-Crume Company. (See Dickson, J. R., assignor.)

Alphabetical list of patentees—Continued.

- Carter, E. D., Brenham, Tex. Automatic weighing-machine. No. 895,160; Aug. 4; Sp. p. 761; Dr. p. 159; Gaz. vol. 135; p. 1021.
- Carter, E. L., Galesburg, Ill. Extensible pan. No. 899,292; Sept. 22; Sp. p. 4062; Dr. p. 868; Gaz. vol. 136; p. 754.
- Carter, F. W., San Diego, Cal., assignor to Automatic Safety Pulley Block Manufacturing Company. Automatic safety pulley-lift. No. 898,318; Sept. 8; Sp. p. 2182; Dr. p. 463; Gaz. vol. 136; p. 377.
- Carter, G. F. (See Gardenhire, J. A., assignor.)
- Carter, G. H., assignor of one-fourth to T. Collins, Richmond Hill, N. Y. Rotary engine. No. 889,439; June 2; Sp. p. 493; Dr. pp. 117-18; Gaz. vol. 134; p. 1138.
- Carter, G. L. (See Hindmarsh, P. J., assignor.)
- Carter, G. W., Canyonville, Oreg. Insulator. No. 880,971; Mar. 3; Sp. p. 974; Dr. p. 210; Gaz. vol. 133; p. 164.
- Carter, G. W., Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Co. Lasting-machine. No. 893,440; July 14; Sp. p. 2121; Dr. pp. 445-6; Gaz. vol. 135; p. 377.
- Carter, H. E., Brooklyn, Iowa. Animal-trap. No. 882,373; Mar. 17; Sp. p. 3760; Dr. p. 801; Gaz. vol. 133; p. 678.
- Carter & Holmes. (See Henderson, M. M., assignor.)
- Carter, J., Captiva, Fla. Envelop. No. 906,384; Dec. 8; Sp. p. 2473; Gaz. vol. 137; p. 1425.
- Carter, J. A. (See Carter, L. and J. A.)
- Carter, J. A., Stowmarket, assignor to New Explosives Company Limited, London, England. Manufacture of compressed-guncotton charges. No. 903,840; Nov. 17; Sp. p. 2631; Gaz. vol. 137; p. 488.
- Carter, J. C., Pioneerville, Idaho. Dredge. No. 900,263; Oct. 6; Sp. p. 412; Dr. p. 834; Gaz. vol. 136; p. 1136.
- Carter, J. E., Pittsburg, Pa. Combined mail despatcher and receiver. No. 894,596; July 28; Sp. p. 4632; Dr. pp. 960-1; Gaz. vol. 135, p. 808.
- Carter, J. H., Chicago, Ill. Filler for egg-crates. No. 882,049; Mar. 17; Sp. p. 3151; Dr. p. 670; Gaz. vol. 133; p. 572.
- Carter, J. N., Wichita, Kans. Crude-oil burner. No. 883,621; Mar. 31; Sp. p. 6263; Dr. p. 1336; Gaz. vol. 133; p. 1147.
- Carter, J. T. (See Huff, White, and Carter.)
- Carter, J. T., Danville, Va. Tobacco-stemming machine. No. 883,622; Mar. 31; Sp. p. 6264; Dr. p. 1336; Gaz. vol. 133; p. 1147.
- Carter, L., Asherville, Kans. Corn-harvester attachment. No. 891,669; June 23; Sp. p. 5062; Dr. p. 1092; Gaz. vol. 134; p. 1956.
- Carter, L. and J. A., Asherville, Kans. End-gate fastener. No. 889,296; June 2; Sp. p. 205; Dr. p. 51; Gaz. vol. 134; p. 1091.
- Carter, L. D., Muscatine, Iowa. Adjustable bracket. No. 878,455; Feb. 4; Sp. p. 1121; Dr. p. 235; Gaz. vol. 132; p. 1033.
- Carter, L. P. (See Low and Carter.)
- Carter, M. J. D., London, England. Rotary duplicator. No. 887,063; May 12; Sp. p. 1443; Dr. pp. 306-7; Gaz. vol. 134; p. 266.
- Carter, M. O., and W. T. Davis, Travellers Rest, S. C. Drive-gear for engines. No. 880,627; Mar. 3; Sp. p. 281; Dr. p. 60; Gaz. vol. 133; p. 49.
- Carter, O. L., Washington, D. C. Adjustable door or window screen frame. No. 892,132; June 30; Sp. p. 5979; Dr. p. 1285; Gaz. vol. 134; p. 2140.
- Carter, O. L., assignor of one-third to J. K. Wallace, Washington, D. C. End piece for galleys. No. 878,503; Feb. 11; Sp. p. 1307; Dr. p. 264; Gaz. vol. 132; p. 1083.
- Carter, T. D., Chicago, Ill. Spring-clutch. No. 896,699; Aug. 18; Sp. p. 3812; Dr. p. 824; Gaz. vol. 135; p. 1565.
- Carter, T. E., Auckland, New Zealand. Window-sash lifting and locking appliance. No. 901,680; Oct. 20; Sp. p. 3374; Dr. p. 691; Gaz. vol. 136; p. 1662.
- Carter, T. J., Temple, Okla. Distributing and conveying belt. No. 880,356; Feb. 25; Sp. p. 5070; Dr. p. 1071; Gaz. vol. 132; p. 1761.
- Carthage Machine Company. (See Powell, A. M., assignor.)
- Carter, W., St. Paul, Minn. Shoe-rack. No. 904,755; Nov. 24; Sp. p. 4564; Gaz. vol. 137; p. 824.
- Cartledge, C. H., La Grange, Ill. Reinforced concrete pipe. No. 889,440; June 2; Sp. p. 498; Dr. p. 118; Gaz. vol. 134; p. 1138.
- Cartwright, A. (See Collins, J. B., assignor.)
- Cartwright, E. E., and J. P. Martin, Indianapolis, Ind. Cooler. No. 906,611; Dec. 15; Sp. p. 2890; Gaz. vol. 137; p. 1523.
- Cartwright, W. J., assignor of one-half to F. L. Wing, New York, N. Y. No. 891,812; June 30; Sp. p. 5360; Dr. p. 1160; Gaz. vol. 134; p. 2036.
- Caruthers, M. J., Sherman, Tex. Plant-protector. No. 893,441; July 14; Sp. p. 2126; Dr. p. 446; Gaz. vol. 135; p. 377.
- Carver, A. F., New York, N. Y. Electric-driven tool. No. 886,678; May 5; Sp. p. 677; Dr. p. 140; Gaz. vol. 134; p. 115.
- Carver, C. B. P., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Feed attachment for cotton-gins. No. 878,188; Feb. 4; Sp. p. 616; Dr. pp. 126-7; Gaz. vol. 132; p. 946.
- Carver Cotton Gin Company. (See Carver, C. B. P., assignor.)
- Carveth, H. R. (See Foersterling and Carveth.)
- Cary, C. P., assignor of one-half to J. N. Seism, Syracuse, N. Y. Safety starting device for explosive-engines. No. 888,221; May 19; Sp. p. 3786; Dr. p. 794; Gaz. vol. 134; p. 677.
- Cary, F. O., Hamilton, assignor of one-half to G. Savage, Birdview, Wash. Shelter-shed. No. 882,870; Mar. 24; Sp. p. 4740; Dr. p. 1008; Gaz. vol. 133; p. 873.
- Cary Manufacturing Company. (See Cary, S., assignor.)
- Cary, S., assignor to Cary Manufacturing Company, New York, N. Y. Bale-tie. No. 903,128; Nov. 3; Sp. p. 1185; Gaz. vol. 137; p. 193.
- Casady, E. B. (See Carroll, L. A., assignor.)
- Casale, J., New York, N. Y. Folding umbrella. No. 884,712; Apr. 14; Sp. p. 2147; Dr. p. 456; Gaz. vol. 133; p. 1561.
- Casale, J., assignor to Casale Pocket Umbrella Company, New York, N. Y. Folding umbrella. No. 888,468; May 26; Sp. p. 4287; Dr. p. 908; Gaz. vol. 134; p. 788.
- Casale Pocket Umbrella Company. (See Casale, J., assignor.)
- Cascaden, T., Jr. (See Raab, W., assignor.)
- Case, A. B., Springfield, Mass. Lawn-mower. No. 880,628; Mar. 3; Sp. p. 282; Dr. p. 60; Gaz. vol. 133; p. 50.
- Case, A. B., Springfield, Mass. Ball-bearing adjustment for lawn-mowers. No. 894,367; July 28; Sp. p. 4169; Dr. p. 861; Gaz. vol. 135; p. 733.
- Case, A. L., Plainfield, N. J. Stereotyping-machine. No. 902,941; Nov. 3; Sp. p. 824; Gaz. vol. 137; p. 136.
- Case, A. W., Highland Park, Conn. Manufactured leather. No. 878,455; Feb. 4; Sp. p. 1210; Gaz. vol. 132; p. 1044.
- Case, C., Connersville, Ind. Flexible washboard for washing-machines. No. 894,313; July 28; Sp. p. 4061; Dr. pp. 838-9; Gaz. vol. 135; p. 716.
- Case, C. A., Shelter Island, N. Y. Trellis. No. 905,647; Dec. 1; Sp. p. 1072; Gaz. vol. 137; p. 1155.
- Case, C. A., assignor to Case Tunnel & Engineering Company, New York, N. Y. Tramway-bucket grip. No. 904,178; Nov. 17; Sp. p. 3359; Gaz. vol. 137; p. 605.
- Case, F. D., Kansas City, Mo. Artificial tooth. No. 904,601; Nov. 24; Sp. p. 4242; Gaz. vol. 137; p. 773.
- Case, F. E., Canton, Ohio. Dental chair. No. 891,762; June 23; Sp. p. 5232; Dr. p. 1134; Gaz. vol. 134; p. 1988.
- Case, F. M., Ashtabula, Ohio. Door check or catch. No. 894,115; July 21; Sp. p. 3617; Dr. p. 745; Gaz. vol. 135; p. 630.
- Case, G. W., Lestershire, and H. C. Haggerty, Binghamton, N. Y. Device for supplying scale-removal compounds to boilers. No. 888,469; May 26; Sp. p. 4289; Dr. p. 908; Gaz. vol. 134; p. 788.
- Case, L., Bondurant, assignor of one-half to H. E. Talbott, Des Moines, Iowa. Disk-support for plows. No. 895,961; Aug. 11; Sp. p. 2378; Dr. p. 506; Gaz. vol. 135; p. 1307.
- Case Tunnel & Engineering Company. (See Case, C. A., assignor.)
- Casain Company of America. (See Dunham, H. V., assignor.)
- Casella, S. L., assignor to W. F. Barnes Commercial Co., San Francisco, Cal. Basket-making-machine attachment. No. 894,597; July 28; Sp. p. 4637; Dr. p. 961; Gaz. vol. 135; p. 808.
- Casey, E. J., Springfield, Mass. Sheet-feeding apparatus. No. 898,831; Sept. 15; Sp. p. 3173; Dr. p. 679; Gaz. vol. 136; p. 577.
- Casey, E. J., Chicago, Ill., assignor to Illinois Publishing and Printing Company. Telephone memorandum-pad. No. 898,553; Sept. 15; Sp. p. 2655; Dr. p. 568; Gaz. vol. 136; p. 488.
- Casey, F. D., North Water Gap, Pa. Spark-plug attachment. No. 902,373; Oct. 27; Sp. p. 4822; Dr. p. 974; Gaz. vol. 136; p. 1917.
- Casey, J. P., and W. W. Thompson, St. Louis, Mo.; said Thompson assignor to said Casey. Emergency-stopper for automatic sprinklers. No. 891,038; June 16; Sp. p. 3757; Dr. p. 820; Gaz. vol. 134; p. 1718.
- Casey, T., Frankfort, assignor of one-half to J. A. Taylor, Waco, Ky. Nut-lock. No. 885,909; Apr. 28; Sp. p. 4599; Dr. p. 964; Gaz. vol. 133; p. 2010.
- Casey, T. A., Pittsburg, Pa. Wrench. No. 901,151; Oct. 13; Sp. p. 2249; Dr. p. 457; Gaz. vol. 136; p. 1452.
- Casey, W. B., Brattleboro, Vt. Combined paper-roll holder and printing device. No. 903,542; Nov. 10; Sp. p. 2021; Gaz. vol. 137; p. 361.
- Casgrain, L. A., Winchester, assignor to United Shoe Machinery Company, Boston, Mass. Clutch mechanism. No. 891,907; June 30; Sp. p. 5546; Dr. p. 1196; Gaz. vol. 134; p. 2068.
- Casgrain, L. A., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. and Boston, Mass. Machine for inserting metallic fastenings. No. 898,435; Sept. 15; Sp. p. 2416; Dr. pp. 517-18; Gaz. vol. 136; p. 450.
- Cash, J. W., Westbrook, Me. Adjustable table. No. 892,133; June 30; Sp. p. 5980; Dr. p. 1285; Gaz. vol. 134; p. 2140.
- Cash, R. W., Hannibal, Mo. Lifting device. No. 897,060; Aug. 25; Sp. p. 4627; Dr. p. 985; Gaz. vol. 135; p. 1712.

Alphabetical list of patentees—Continued.

- Cash, W. F., Hiawatha, Kans. Quilting-frame. No. 884,793; Apr. 14; Sp. p. 2323; Dr. p. 488; Gaz. vol. 133; p. 1589.
- Cashmore, C. E., New York, N. Y. Washer for case-screws for watches. No. 894,314; July 28; Sp. p. 4062; Dr. p. 439; Gaz. vol. 135; p. 716.
- Casler, H. (See Weed and Casler.)
- Casler, H., Canastota, N. Y. Variable-speed power-transmission mechanism. No. 893,144; July 14; Sp. p. 1540; Dr. p. 325; Gaz. vol. 135; p. 282.
- Caspar, C., Stuttgart, Germany. Manufacturing crucible compounds. No. 886,111; Apr. 28; Sp. p. 5032; Gaz. vol. 133; p. 2076.
- Caspari, G. R. (See Buschemeyer and Caspari.)
- Casperfeld, N. H. (See Knapp, C. W., assignor.)
- Casperson, A. M., Leeds, England. Apparatus for measuring lengths of fabrics. No. 897,193; Aug. 25; Sp. p. 4860; Dr. p. 1034; Gaz. vol. 135; p. 1752.
- Casperson, R. C., Lake Benton, Minn. Feed-water heater. No. 894,598; July 28; Sp. p. 4639; Dr. p. 962; Gaz. vol. 135; p. 809.
- Casperson, C. M. (See Peters and Casperson.)
- Cass, E. B., Valley Mills, Tex. Cotton-packer. No. 893,145; July 14; Sp. p. 1545; Dr. pp. 325-6; Gaz. vol. 135; p. 282.
- Cass, F. I., Clintonville, Wis. Traction-engine. No. 883,934; Apr. 7; Sp. p. 535; Dr. pp. 105-6; Gaz. vol. 133; p. 1277.
- Cass, J. A., Brooklyn, N. Y. Sprinkler-head. No. 899,204; Sept. 22; Sp. p. 3878; Dr. p. 828; Gaz. vol. 136; p. 726.
- Cass, R. G., Fitch Bay, Quebec, Canada. Mail-bag receiving and delivering apparatus. No. 897,521; Sept. 1; Sp. p. 583; Dr. p. 121; Gaz. vol. 136; p. 91.
- Cass, T. M., Fort Worth, Tex. Mold for making burial-vaults. No. 901,523; Oct. 20; Sp. p. 3064; Dr. pp. 626-7; Gaz. vol. 136; p. 1612.
- Cassady, G., New Westminster, British Columbia, Canada. Rotary engine. No. 907,737; Dec. 29; Sp. p. 5174; Gaz. vol. 137; p. 1955.
- Cassady, U. G., Indianapolis, Ind. Splice-bar. No. 892,809; July 7; Sp. p. 817; Dr. p. 174; Gaz. vol. 135; p. 140.
- Casse, A., Brussels, Belgium. Apparatus for placing bed and bank coverings in waterways. No. 883,084; Mar. 24; Sp. p. 5146; Dr. p. 1098; Gaz. vol. 133; p. 943.
- Cassel, E. F. (See Andrews, F. S., assignor.)
- Cassell, B. E., Sparland, Ill. Windmill. No. 882,871; Mar. 24; Sp. p. 4741; Dr. p. 1008; Gaz. vol. 133; p. 874.
- Cassella Color Company. (See Böhler, M., assignor.)
- Cassella Color Company. (See Gressly, A., assignor.)
- Cassella Color Company. (See Kalischer, G., assignor.)
- Cassella Color Company. (See Saul, E., assignor.)
- Cassella Color Company. (See Schmidt, W., assignor.)
- Cassens, G., Hamel, Ill. Eaves-trough. No. 891,405; June 23; Sp. p. 4509; Dr. p. 981; Gaz. vol. 134; p. 1870.
- Cassens, G., Hamel, Ill. Eaves-trough. No. 891,406; June 23; Sp. p. 4510; Dr. p. 981; Gaz. vol. 134; p. 1870.
- Cassens, W., Berlin, Germany. Boiler-furnace. No. 891,231; June 23; Sp. p. 4145; Dr. pp. 907-8; Gaz. vol. 134; p. 1812.
- Cassidy, G. W., East Orange, N. J. Canopy attachment for lighting-fixtures. No. 885,017; Apr. 21; Sp. p. 2754; Dr. p. 584; Gaz. vol. 133; p. 1691.
- Cassidy, P. A., and F. L. Payne, Englewood, Colo. Wireman's soldering-tool. No. 894,187; July 28; Sp. p. 3782; Dr. p. 783; Gaz. vol. 135; p. 673.
- Cassity, O., Sturgeon, Mo. Miter-box. No. 876,266; Jan. 7; Sp. p. 1123; Dr. pp. 243-4; Gaz. vol. 132; p. 190.
- Cassman, J. F., Lake Cicott, Ind. Clevis for plows. No. 901,780; Oct. 20; Sp. p. 3610; Dr. p. 731; Gaz. vol. 136; p. 1696.
- Casson, M., New York, N. Y. Window-screen. No. 901,067; Oct. 13; Sp. p. 2098; Dr. p. 427; Gaz. vol. 136; p. 1426.
- Cast Steel Needle Beam Company. (See Frede, C. F., assignor.)
- Casteel, G. W., Wagoner, Okla. Adjustable shoe-display rack. No. 908,392; Dec. 29; Sp. p. 6556; Gaz. vol. 137; p. 2176.
- Casterline, B. J., assignor to Casterline Cutlery Company, Portland, Oreg. Hardening and tempering steel. No. 879,517; Feb. 18; Sp. p. 3338; Gaz. vol. 132; p. 1453.
- Casterline, B. J., assignor to Casterline Cutlery Company, Portland, Oreg. Composition of matter employed for hardening and tempering steel. No. 879,518; Feb. 18; Sp. p. 3339; Gaz. vol. 132; p. 1453.
- Casterline Cutlery Company. (See Casterline, B. J., assignor.)
- Castiau, L. J., Strathcona, Alberta, Canada. Safety-pin. No. 880,972; Mar. 3; Sp. p. 975; Dr. p. 210; Gaz. vol. 133; p. 165.
- Castle Braid Company. (See Hawley, H., assignor.)
- Castle Braid Company. (See Schloss and Hawley, assignors.)
- Castle, E. D., Stockton, Cal., assignor of one-half to A. W. Carr. Swage. No. 894,722; July 28; Sp. p. 4863; Dr. p. 1012; Gaz. vol. 135; p. 849.
- Casto, F. M. (See Teter, C. K., assignor.)
- Caswell, W. M., and J. A. Schofield, Warren, Pa. Trolley-wheel bearing. No. 901,878; Oct. 20; Sp. p. 3779; Dr. p. 768; Gaz. vol. 136; p. 1726.
- Cataldo, A., Boston, Mass. Bicycle-crank. No. 892,935; July 7; Sp. p. 1102; Dr. p. 231; Gaz. vol. 135; p. 182.
- Catel, L., Lyon, France. Gearing. No. 877,293; Jan. 21; Sp. p. 3311; Dr. p. 717; Gaz. vol. 132; p. 606.
- Cates, L. N., St. Louis, Mo. Protecting-casing for tires. No. 884,794; Apr. 14; Sp. p. 2324; Dr. p. 488; Gaz. vol. 133; p. 1589.
- Cather, K. N., Colorado Springs, Colo. Lock. No. 893,442; July 14; Sp. p. 2127; Dr. pp. 446-7; Gaz. vol. 135; p. 377.
- Cathey, H. L. (See Aplin, B. F., assignor.)
- Cathey, H. L. (See Rosson, A. B., assignor.)
- Cathey, H. L., Erick, Okla. Cotton-seed huller. No. 889,869; June 2; Sp. p. 1325; Dr. pp. 302-3; Gaz. vol. 134; p. 1275.
- Cathriner, H. (See Childress and Cathriner.)
- Catlett, T. B., Farmington, Ill. Cotton-chopper. No. 890,260; June 9; Sp. p. 2141; Dr. pp. 469-70; Gaz. vol. 134; p. 1431.
- Catlin, H. E., Rye, N. Y. Nib-ejecting penholder. No. 894,368; July 28; Sp. p. 4171; Dr. p. 861; Gaz. vol. 135; p. 733.
- Catlin, S. C., Bloomfield, N. J. Plating-machine. No. 894,482; July 28; Sp. p. 4399; Dr. p. 908; Gaz. vol. 135; p. 771.
- Catlin, W. P., assignor to J. Kirkner & Co., New York, N. Y. Covering bottles or glass receptacles. No. 903,669; Nov. 10; Sp. p. 2279; Gaz. vol. 137; p. 401.
- Catlin, W. P., assignor to J. Kirkner & Co., New York, N. Y. Bottle-lifter. No. 903,670; Nov. 10; Sp. p. 2279; Gaz. vol. 137; p. 401.
- Catlin, W. P., assignor to J. Kirkner & Co., New York, N. Y. Bottle-covering machine. No. 903,671; Nov. 10; Sp. p. 2280; Gaz. vol. 137; p. 402.
- Cator, B. O. (See Jenkins, T. E., assignor.)
- Catron, J. J., Bonham, Tex. Magazine-rifle. No. 882,625; Mar. 24; Sp. p. 4246; Dr. pp. 899-900; Gaz. vol. 133; p. 794.
- Cattell, C. F., West Chester, Pa. Apparatus for feeding fuel to gas-generators. No. 877,905; Feb. 4; Sp. p. 21; Dr. pp. 4-5; Gaz. vol. 132; p. 852.
- Catucci, P. (See Meisselbach and Catucci.)
- Caubert, J., Commerce, France. Harness for horses. No. 896,621; Aug. 18; Sp. p. 3653; Dr. p. 784; Gaz. vol. 135; p. 1542.
- Cauble, F. P., Lincoln, N. C. Lightning-arrester. No. 882,096; Mar. 17; Sp. p. 3235; Dr. p. 688; Gaz. vol. 133; p. 589.
- Cauderay, J., Lausanne, Switzerland. Electric time-switch. No. 897,585; Sept. 1; Sp. p. 704; Dr. p. 148; Gaz. vol. 136; p. 112.
- Cauffman, R. M., and W. Best, Centerville, Mich. Bottle-stopper. No. 905,286; Dec. 1; Sp. p. 314; Gaz. vol. 137; p. 1035.
- Caughy, A. E., Omaha, Nebr. Lighter. No. 884,128; Apr. 7; Sp. p. 973; Dr. p. 202; Gaz. vol. 133; p. 1342.
- Caulfield, J. P., Baltimore, Md. Pneumatic action for musical instruments. No. 901,068; Oct. 13; Sp. p. 2099; Dr. p. 427; Gaz. vol. 136; p. 1426.
- Causey, J. C. (See Metcalf, J. D., assignor.)
- Causey, J. L., assignor to Loose-Wiles Cracker & Candy Company, Kansas City, Mo. Candy-pulling machine. No. 887,768; May 19; Sp. p. 2912; Dr. pp. 614-15; Gaz. vol. 134; p. 529.
- Cavanagh, A. W., and A. Allan, North Bay, Ontario, Canada. Automatic train-brake-applying device. No. 883,293; Mar. 31; Sp. p. 5599; Dr. p. 1193; Gaz. vol. 133; p. 1043.
- Cavanagh, M., New York, N. Y. Gage for skiving-machines. No. 876,772; Jan. 14; Sp. p. 2208; Dr. p. 485; Gaz. vol. 132; p. 392.
- Cavanaugh, P. F., La Crosse, Wis. Faucet. No. 907,458; Dec. 22; Sp. p. 4567; Gaz. vol. 137; p. 1836.
- Cave, C. R., Chicago, Ill. Floor-sweeping compound. No. 891,525; June 23; Sp. p. 4751; Gaz. vol. 134; p. 1909.
- Cave, H., Providence, R. I. Transmission mechanism. No. 902,856; Nov. 3; Sp. p. 656; Gaz. vol. 137; p. 110.
- Cave, J., Philadelphia, Pa. Handkerchief-receptacle. No. 885,721; Apr. 28; Sp. p. 4222; Dr. pp. 883-4; Gaz. vol. 133; p. 1947.
- Cave, U. G., Louisville, Ky. Memorandum and recording device for use with telephones. No. 879,082; Feb. 11; Sp. p. 2440; Dr. p. 510; Gaz. vol. 132; p. 1269.
- Caven, T. M., assignor to I. C. Soule, Kansas City, Mo. Electrical curling-iron. No. 887,769; May 19; Sp. p. 2914; Dr. p. 615; Gaz. vol. 134; p. 530.
- Caverhill, J. A., Tillsonburg, Ontario, Canada. Preparing barley. No. 878,189; Feb. 4; Sp. p. 617; Gaz. vol. 132; p. 946.
- Caverly, L. H., Somers, Mont. Feed-water heater. No. 902,208; Oct. 27; Sp. p. 4465; Dr. p. 903; Gaz. vol. 136; p. 1863.
- Cavis, A. R., assignor of one-half to Todd Hardware & Supply Co., Caney, Kans. Caster. No. 879,519; Feb. 18; Sp. p. 3340; Dr. p. 697; Gaz. vol. 132; p. 1454.
- Cawood, H. M., Los Angeles, Cal. Car-replacer. No. 882,097; Mar. 17; Sp. p. 3236; Dr. p. 688; Gaz. vol. 133; p. 589.

Alphabetical list of patentees—Continued.

- Cayton, P. L., National Soldiers' Home, Tenn. Stringed musical instrument. No. 906,612; Dec. 15; Sp. p. 2892; Gaz. vol. 137; p. 1523.
- Caywood, E. S., Chicago, Ill. Flash-lamp. No. 907,969; Dec. 29; Sp. p. 5654; Gaz. vol. 137; p. 2031.
- Cazes, P. A., Baton Rouge, La. Band-wheel grinder. No. 904,509; Nov. 24; Sp. p. 4068; Gaz. vol. 137; p. 742.
- Cazier, M. H., Chicago, Ill. Garment-hanger. No. 883,785; Apr. 7; Sp. p. 208; Dr. p. 38; Gaz. vol. 133; p. 1227.
- Cazier, M. H., and A. P. Dike, Chicago, Ill. Automatic folding clothes-hanger. No. 890,023; June 9; Sp. p. 1656; Dr. p. 368; Gaz. vol. 134; p. 1353.
- Cazin, F. M. F., Hoboken, N. J. Manufacturing metallized electric-incandescent-lamp filaments. No. 877,171; Jan. 21; Sp. p. 3071; Dr. p. 665; Gaz. vol. 132; p. 566.
- Cazin, F. M. F., Hoboken, N. J. Producing filaments for electric incandescent lamps and the product thereof. No. 877,172; Jan. 21; Sp. p. 3076; Dr. p. 666; Gaz. vol. 132; p. 566.
- Cazin, F. M. F., Hoboken, N. J. Manufacture of electric incandescent lamps. No. 877,408; Jan. 21; Sp. p. 3531; Dr. p. 765; Gaz. vol. 132; p. 643.
- Cazin, F. M. F., Hoboken, N. J. Electric-incandescent-lamp luminant and manufacturing it. No. 879,083; Feb. 11; Sp. p. 2442; Dr. p. 511; Gaz. vol. 132; p. 1269.
- Cazin, F. M. F., Hoboken, N. J. Manufacture of filaments in electric incandescent lamps, process and product. No. 879,084; Feb. 11; Sp. p. 2445; Dr. p. 511; Gaz. vol. 132; p. 1269.
- Cazin, F. M. F., Hoboken, N. J. Filament in electric incandescent lamps and its manufacture. No. 879,085; Feb. 11; Sp. p. 2452; Dr. p. 511; Gaz. vol. 132; p. 1270.
- Cecil, L. B., Santa Barbara, Cal. Telegraph-repeater. No. 904,936; Nov. 24; Sp. p. 4961; Gaz. vol. 137; p. 884.
- Cederquist, N. H., Los Angeles, Cal. Dust-proof knockdown case. No. 884,569; Apr. 14; Sp. p. 1826; Dr. p. 391; Gaz. vol. 133; p. 1514.
- Ceel, D., Caughnawaga, Quebec, Canada. Lacrosse-stick. No. 891,813; June 30; Sp. p. 5362; Dr. p. 1161; Gaz. vol. 134; p. 2037.
- Ceipek, N., Vienna, Austria-Hungary. Safety-explosive. No. 907,007; Dec. 15; Sp. p. 3635; Gaz. vol. 137; p. 1647.
- Celfor Tool Company. (See Rich, G. R., assignor.)
- Celsing, H. von, Stockholm, Sweden. Covering for milking organs. No. 892,401; July 7; Sp. p. 23; Dr. p. 7; Gaz. vol. 135; p. 7.
- Celso, M. L., Chicago, Ill. Measuring device for tailors' use. No. 879,281; Feb. 18; Sp. p. 2834; Dr. p. 594; Gaz. vol. 132; p. 1376.
- Centerfreze Ice Process Company. (See Havenstrite, D. J., assignor.) (Reissue.)
- Central Bedding Company of Illinois. (See Halstead, C. H., assignor.)
- Central Brass Manufacturing Company. (See Mortimer, J. N., assignor.)
- Central Fish Company. (See Rochow, F. J., assignor.)
- Central Laboratory Supply Company. (See Harris, J., assignor.)
- Central Trust Company of New York, trustee. (See Price, E. F., assignor.)
- Central Trust Company of New York, trustee. (See Price and Becket, assignors.)
- Central Trust Company of New York, trustee. (See Price and Horry, assignors.)
- Century Telephone Construction Company. (See Knight, H. L., assignor.)
- Century Telephone Construction Company. (See Sweet, B. W., assignor.)
- Cerkez, A. S., Bacau, Roumania. Snow-plow. No. 895,002; Aug. 4; Sp. p. 461; Dr. pp. 93-4; Gaz. vol. 135; p. 969.
- Ceylon Cocoa & Coffee Company. (See Herron, J. M., assignor.)
- Chaboty, J., San Francisco, Cal. Game apparatus. No. 894,599; July 28; Sp. p. 4641; Dr. p. 962; Gaz. vol. 135; p. 809.
- Chadeloid Chemical Company. (See Dosselman and Neymann, assignors.)
- Chadeloid Chemical Company. (See Ellis, C., assignor.)
- Chadeloid Chemical Company. (See Hull, C. H., assignor.)
- Chadeloid Chemical Company. (See Ryan, P. J., assignor.)
- Chadick, E. D. (See Shallenberger, S. L., assignor.)
- Chadwick Engineering Works. (See Chadwick, L. S., assignor.)
- Chadwick, L. B., Boston, Mass. Automatic pencil-sharpener. No. 894,600; July 28; Sp. p. 4643; Dr. pp. 962-3; Gaz. vol. 135; p. 809.
- Chadwick, L. S., assignor to Chadwick Engineering Works, Philadelphia, Pa. Clutch mechanism for automobiles and the like. No. 899,953; Sept. 29; Sp. p. 5410; Dr. pp. 1153-4; Gaz. vol. 136; p. 1004.
- Chafee Manufacturing Company. (See Kleidmann, J., assignor.)
- Chain, E. E., Peabody, Mass. Measuring-machine. No. 907,126; Dec. 22; Sp. p. 3886; Gaz. vol. 137; p. 1722.
- Chalas, A., Philadelphia, Pa. Recovering nickel from silicious ores. No. 887,735; May 12; Sp. p. 2830; Gaz. vol. 134; p. 491.
- Chalfant, W. E., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Matrix and holder therefor. No. 904,510; Nov. 24; Sp. p. 4069; Gaz. vol. 137; p. 743.
- Challenge Machinery Company. (See Stonemetz, J. H., assignor.)
- Challiner, C. S. and J. A., Manchester, England. Pneumatic tire for wheels. No. 906,487; Dec. 8; Sp. p. 2661; Gaz. vol. 137; p. 1459.
- Challiner, J. A. (See Challiner, C. S. and J. A.)
- Chaloner, T. T., New York, N. Y. Safety device for stopping railway-trains. No. 890,214; June 9; Sp. p. 2040; Dr. p. 449; Gaz. vol. 134; p. 1416.
- Chamberlain, A. H., Bridgeport, Conn. Thill-support. No. 891,908; June 30; Sp. p. 5552; Dr. p. 1196; Gaz. vol. 134; p. 2069.
- Chamberlain, C. M., Pueblo, Colo. Extraction apparatus. No. 899,512; Sept. 29; Sp. p. 4472; Dr. p. 960; Gaz. vol. 136; p. 860.
- Chamberlain, C. S., et al. (See Richards, W. T., assignor.)
- Chamberlain, G. E., St. Louis, Mo. Can-filling machine. No. 901,420; Oct. 20; Sp. p. 2829; Dr. pp. 578-9; Gaz. vol. 136; p. 1577.
- Chamberlain, G. N. (See Moon and Chamberlain.)
- Chamberlain, G. N. B., Boston, Mass. Lathe tool-post. No. 905,648; Dec. 1; Sp. p. 1073; Gaz. vol. 137; p. 1156.
- Chamberlain, G. R., et al. (See Russ, C. L., assignor.)
- Chamberlain, J. W., Toledo, Ohio. Burner for natural gas. No. 879,735; Feb. 18; Sp. p. 3794; Dr. p. 796; Gaz. vol. 132; p. 1525.
- Chamberlain, R. N., Depew, N. Y., assignor to Gould Storage Battery Company. System of electrical distribution. No. 882,872; Mar. 24; Sp. p. 4743; Dr. p. 1009; Gaz. vol. 133; p. 874.
- Chamberlain, R. N., Depew, assignor to Gould Storage Battery Company, New York, N. Y. Battery-indicator. No. 892,500; July 7; Sp. p. 220; Dr. p. 46; Gaz. vol. 135; p. 41.
- Chamberlain, R. N., assignor to Gould Storage Battery Company, Depew, N. Y. Storage battery. No. 905,115; Nov. 17; Sp. p. 3197; Gaz. vol. 137; p. 581.
- Chamberlain, R. N., Depew, assignor to Gould Storage Battery Company, New York, N. Y. Separator for storage batteries. No. 907,970; Dec. 29; Sp. p. 5656; Gaz. vol. 137; p. 2032.
- Chamberlain, W. A., Sunbury, Pa. Electrically-operated photographic apparatus. No. 889,659; June 2; Sp. p. 909; Dr. p. 211; Gaz. vol. 134; p. 1208.
- Chamberlain, W. F. (See Pressey, H. F., assignor.)
- Chamberlin, C. E., assignor of one-sixth to E. A. Gathmann, Bethlehem, Pa. Cutting-off tool and holder. No. 887,310; May 12; Sp. p. 1988; Dr. p. 417; Gaz. vol. 134; p. 349.
- Chamberlin, C. S., and D. Harrington, assignors of one-third to J. C. Connor, Colorado Springs, Colo. Switch. No. 887,064; May 12; Sp. p. 1447; Dr. p. 307; Gaz. vol. 134; p. 267.
- Chamberlin, E. A., Worcester, assignor of two-thirds to J. H. and F. S. Wylie, Holyoke, Mass. Boring or reaming and grinding machine. No. 893,966; Sept. 15; Sp. p. 3413; Dr. p. 733; Gaz. vol. 136; p. 621.
- Chamberlin, F. L., Cleveland, Ohio. Shipping and storing explosives. No. 896,622; Aug. 18; Sp. p. 3654; Gaz. vol. 135; p. 1542.
- Chamberlin, G. N., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 896,274; Aug. 18; Sp. p. 2956; Dr. p. 637; Gaz. vol. 135; p. 1430.
- Chamberlin, H. W. (See Fleming, J. M., assignor.)
- Chamberlin, J., Flat Rock, Mich. Bucket. No. 879,144; Feb. 18; Sp. p. 2580; Dr. p. 537; Gaz. vol. 132; p. 1330.
- Chamberlin, J. H., Kalamazoo, Mich. Hitching weight or anchor. No. 876,328; Jan. 14; Sp. p. 1279; Dr. p. 277; Gaz. vol. 132; p. 243.
- Chamberlin, N. W. (See Mason and Sintz, assignors.)
- Chamberlin, R. S. (See Kinnard, L. H., assignor.)
- Chambers, C., Jr. (See Sharpless, L. C., assignor.)
- Chambers, C., Jr., Overbrook, Pa. Cotter. No. 895,842; Aug. 11; Sp. p. 2142; Dr. p. 454; Gaz. vol. 135; p. 1269.
- Chambers, G. A., West Hoboken, N. J., assignor to Pollard-Ailing Manufacturing Co., New York, N. Y. Cleaning device for printing-chains. No. 889,507; June 2; Sp. p. 637; Dr. p. 148; Gaz. vol. 134; p. 1159.
- Chambers, J. F. (See Van Cise and Chambers.)
- Chambers, J. M., assignor of one-half to M. Meyer, Boulder, Colo. Gravity signal-bell. No. 877,409; Jan. 21; Sp. p. 3538; Dr. p. 765; Gaz. vol. 132; p. 643.
- Chambers, J. M., assignor of one-half to M. Meyer, Boulder, Colo. Lubricator. No. 894,423; July 28; Sp. p. 4289; Dr. p. 885; Gaz. vol. 135; p. 752.
- Chambers, J. P., Chattanooga, Tenn. Tie-fastener. No. 902,374; Oct. 27; Sp. p. 4823; Dr. p. 975; Gaz. vol. 136; p. 1917.
- Chambers, J. S., Wilmington, N. C. Throttle-valve. (Reissue.) No. 12,755; Feb. 25; Sp. p. 5374; Dr. p. 1132; Gaz. vol. 132; p. 1808.

Alphabetical list of patentees—Continued.

- Chambers, J. S., Wilmington, N. C. Steam-tight joint for rotary rods. No. 888,064; May 19; Sp. p. 3490; Dr. p. 731; Gaz. vol. 134; p. 626.
- Chambers, R. A., New Glasgow, Nova Scotia, Canada. Conveying apparatus. No. 893,224; July 14; Sp. p. 1692; Dr. p. 357; Gaz. vol. 135; p. 306.
- Chambers, W. J., Chicago, Ill., assignor to American Can Company, New York, N. Y. Sheet-metal pocket tobacco-box. No. 889,904; June 9; Sp. p. 1403; Dr. p. 319; Gaz. vol. 134; p. 1311.
- Chambers, W. L., Brookville, Ind. Match-case. No. 880,357; Feb. 25; Sp. p. 5071; Dr. p. 1071; Gaz. vol. 132; p. 1761.
- Chambers, W. R. (See Gokey, Chambers, and Laprese.)
- Chambon, L. (See Frydman and Chambon.)
- Champ, J. H., Cleveland, Ohio. Motor. No. 883,935; Apr. 7; Sp. p. 536; Dr. pp. 106-7; Gaz. vol. 133; p. 1277.
- Champ, J. H., Cleveland, Ohio. Hydraulic air-compressor. No. 883,936; Apr. 7; Sp. p. 539; Dr. p. 107; Gaz. vol. 133; p. 1278.
- Champ, J. H., Cleveland, Ohio. Pump. No. 899,513; Sept. 29; Sp. p. 4474; Dr. pp. 960-1; Gaz. vol. 136; p. 861.
- Champagne, E., Jr., Albion, R. I. Lint-remover for electrical warp stop-motions. No. 902,857; Nov. 3; Sp. p. 659; Gaz. vol. 137; p. 110.
- Champagne, J. N., Ste. Clothilde, Quebec, assignor of two-thirds to A. Gagner, Manchester, N. H., and O. Charland, Ste. Philomene, Canada. Potato-digger. No. 880,861; Mar. 3; Sp. p. 776; Dr. pp. 164-5; Gaz. vol. 133; p. 130.
- Champeau, A., Vancouver, British Columbia, Canada. Combined saw set and gage. No. 890,024; June 9; Sp. p. 1658; Dr. p. 369; Gaz. vol. 134; p. 1353.
- Champeny, C. (See Hines, Champeny, and Crisler.)
- Champion Chemical Company. (See Myers and Tuttle, assignors.)
- Champion Machinery Company. (See Streich, F., assignor.)
- Chan, J., Lowry, Minn. Pump attachment. No. 884,265; Apr. 7; Sp. p. 1221; Dr. p. 257; Gaz. vol. 133; p. 1386.
- Chance, A. B., Centralia, Mo. Arrestor. No. 894,723; July 28; Sp. p. 4864; Dr. p. 1012; Gaz. vol. 135; p. 849.
- Chance, O. K., Minneapolis, Minn. Flying-machine. No. 890,215; June 9; Sp. p. 2042; Dr. p. 450; Gaz. vol. 134; p. 1417.
- Chance, W. J., Dawson, Yukon Territory, Canada. Elevated carrier. No. 886,763; May 5; Sp. p. 886; Dr. p. 183; Gaz. vol. 134; p. 145.
- Chance, W. J., Dawson, Yukon Territory, Canada. Elevated carrier. No. 886,764; May 5; Sp. p. 888; Dr. p. 184; Gaz. vol. 134; p. 146.
- Chance, W. J., Dawson, Yukon Territory, Canada. Rotary engine. No. 886,765; May 5; Sp. p. 889; Dr. pp. 184-5; Gaz. vol. 134; p. 146.
- Chancellor, S. T. (See Darling, W. F., assignor.)
- Chancey, C. C., Hartford, Ala. Oyster-opener. No. 903,055; Nov. 3; Sp. p. 1052; Gaz. vol. 137; p. 172.
- Chandelier & Art Brass Works. (See Rupe, J. R., assignor.)
- Chandelier & Art Brass Works. (See Rupe and Balzer, assignors.)
- Chanderson, A., Jette St. Pierre, assignor to Compagnie Internationale De Freinage (Systeme Luyers) Société Anonyme, Brussels, Belgium. Compressed-air brake. No. 884,364; Apr. 14; Sp. p. 1413; Dr. pp. 302-3; Gaz. vol. 133; p. 1446.
- Chandler, C. H. and C. L., Seattle, Wash. String-fastener. No. 893,319; Sept. 8; Sp. p. 2183; Dr. p. 463; Gaz. vol. 136; p. 378.
- Chandler, C. L. (See Chandler, C. H. and C. L.)
- Chandler, E. N., Brockton, assignor to Simplex Electric Heating Company, Boston, Mass. Electric heater for shoe-operatives' knives. No. 893,783; July 21; Sp. p. 2933; Dr. p. 600; Gaz. vol. 135; p. 520.
- Chandler, F. A. (See Bonniksen and Chandler.)
- Chandler, F. F. (See Crowell, M. E., assignor.)
- Chandler, F. M., Buffalo, N. Y. Speaking-tube. No. 881,093; Mar. 3; Sp. p. 1199; Dr. p. 259; Gaz. vol. 133; p. 204.
- Chandler, H. H., New York, N. Y. Anti skidding and slipping attachment for automobile-wheels. No. 901,591; Oct. 20; Sp. p. 3200; Dr. p. 655; Gaz. vol. 136; p. 1634.
- Chandler, J. H., Indian Orchard, Mass. Plug-valve. No. 904,307; Nov. 17; Sp. p. 3645; Gaz. vol. 137; p. 649.
- Chandler, O. H., assignor of one-half to J. H. Young, Clinton, S. C. Tooth-brush. No. 880,277; Feb. 25; Sp. p. 4929; Dr. p. 1043; Gaz. vol. 132; p. 1735.
- Chandler, O. H., assignor of one-half to T. L. W. Bailey, Clinton, S. C. Dipper-handle. No. 883,623; Mar. 31; Sp. p. 6267; Dr. p. 1337; Gaz. vol. 133; p. 1147.
- Chandler & Price Co. (See Sixt and Reichart, assignors.)
- Chandler & Price Company. (See Hand, S. A., assignor.)
- Chauler, W. (See Becket, F. M., assignor.)
- Channon, W., Des Moines, Iowa. Mine-elevator. No. 890,124; June 9; Sp. p. 1859; Dr. pp. 409-10; Gaz. vol. 134; p. 1386.
- Chantigny, G. W., and J. P. Morency, Montreal, Quebec, Canada. Building construction. No. 879,520; Feb. 18; Sp. p. 3341; Dr. pp. 697-8; Gaz. vol. 132; p. 1454.
- Chapel, G. H., Howell, Mich. Eyeglasses. No. 879,244; Feb. 18; Sp. p. 2768; Dr. p. 580; Gaz. vol. 132; p. 1364.
- Chapin, C. K., Lansing, Mich. Wire-fence machine. No. 888,784; May 26; Sp. p. 4946; Dr. pp. 1054-5; Gaz. vol. 134; p. 893.
- Chapin, F. B. (See Faris, W. D., assignor.)
- Chapin, W. H., Springfield, Mass. Running-gear for vehicles. No. 897,270; Sept. 1; Sp. p. 16; Dr. p. 5; Gaz. vol. 136; p. 5.
- Chapin, E. D., Boston, assignor to W. E. Robinson, Malden, Mass. Shaving appliance. No. 882,488; Mar. 17; Sp. p. 3951; Dr. p. 845. Gaz. vol. 133; p. 715.
- Chapin, E. D., Boston, Mass., assignor to International Lead Companies. Producing pigments by electrolysis. No. 906,102; Dec. 8; Sp. p. 1944; Gaz. vol. 137; p. 1332.
- Chapin, E. D., Boston, Mass., assignor to International Lead Companies. Producing lead salts by electrolysis. No. 906,103; Dec. 8; Sp. p. 1946; Gaz. vol. 137; p. 1332.
- Chapin, E. D., Boston, Mass., assignor to International Lead Companies. Electrolytic apparatus. No. 906,104; Dec. 8; Sp. p. 1951; Gaz. vol. 137; p. 1333.
- Chaplin-Fulton Manufacturing Company. (See Fulton, L. B., assignor.)
- Chaplin, J. (See Blackledge and Chaplin.)
- Chaplin, J. A., Warwick, assignor to Waite Thresher Company, Providence, R. I. Cuff-pin. No. 897,348; Sept. 1; Sp. p. 202; Dr. p. 43; Gaz. vol. 136; p. 31.
- Chapman, A. B., assignor of one-third to E. L. Hart, Tampa, Fla. Antifrictional bearing. No. 896,515; Aug. 18; Sp. p. 3464; Dr. p. 745; Gaz. vol. 135; p. 1510.
- Chapman, A. B., assignor to Hammond-Homburger Company, Silver Creek, N. Y. Automatic water-heater. No. 903,449; Nov. 10; Sp. p. 1819; Gaz. vol. 137; p. 331.
- Chapman, A. E., Redlands, Cal. Filter. No. 895,072; Aug. 4; Sp. p. 592; Dr. p. 123; Gaz. vol. 135; p. 992.
- Chapman, C. F., assignor to Hotaling Manufacturing Company, Philadelphia, Pa. Implement for cutting shaped sections from glass sheets. No. 881,899; Mar. 17; Sp. p. 2829; Dr. p. 604; Gaz. vol. 133; p. 524.
- Chapman, C. H., Groton, Mass. Check-nut. No. 888,694; May 26; Sp. p. 4767; Dr. p. 1014; Gaz. vol. 134; p. 865.
- Chapman Double Ball Bearing Company, of Canada. (See Cane, W. E., assignor.)
- Chapman, E. E., Spokane, Wash. Car-mover. No. 906,690; Dec. 15; Sp. p. 3043; Gaz. vol. 137; p. 1548.
- Chapman, F., Vandalia, Mich. Animal-holder. No. 883,697; Apr. 7; Sp. p. 46; Dr. p. 7; Gaz. vol. 133; p. 1200.
- Chapman, F. F. B., Winchester, Mass. Poultry trap-nest. No. 880,778; Mar. 3; Sp. p. 584; Dr. p. 124; Gaz. vol. 133; p. 101.
- Chapman, F. H., Groton, Mass. Spinning-ring. No. 893,443; July 14; Sp. p. 2130; Dr. p. 447; Gaz. vol. 135; p. 378.
- Chapman, F. H., Groton, Mass. Spinning-ring. No. 893,444; July 14; Sp. p. 2132; Dr. p. 447; Gaz. vol. 135; p. 378.
- Chapman, F. M., assignor to O. C. and C. T. Robinson, Fort Edward, N. Y. Feltless wet-press for paper-making. No. 905,053; Nov. 24; Sp. p. 5180; Gaz. vol. 137; p. 924.
- Chapman, G., Arlington, N. J. Puzzle. No. 898,833; Sept. 15; Sp. p. 3177; Dr. p. 680; Gaz. vol. 136; p. 577.
- Chapman, G. A., *et al.* (See Brown, E., assignor.)
- Chapman, L. (See Reed and Chapman.)
- Chapman, L., Berwind, Colo. Wrench. No. 883,168; Mar. 31; Sp. p. 5327; Dr. p. 1136; Gaz. vol. 133; p. 1000.
- Chapman, L., assignor of one-half to W. H. Knowles, London, England. Lubricant. No. 905,649; Dec. 1; Sp. p. 1676; Gaz. vol. 137; p. 1156.
- Chapman, L. J., Columbus, Ohio. Dust-pan. No. 900,705; Oct. 13; Sp. p. 1359; Dr. p. 277; Gaz. vol. 136; p. 1309.
- Chapman, N. J. (See Uphus and Chapman.)
- Chapman, R., Findlay, Ill. Mail-carrier. No. 883,937; Apr. 7; Sp. p. 543; Dr. pp. 107-8; Gaz. vol. 133; p. 1279.
- Chapman, S. E., Oakland, and C. D. Cromley, Alameda, Cal., assignors to Rocker-Swing Company. Amusement device. No. 891,793; June 23; Sp. p. 5301; Dr. pp. 1147-8; Gaz. vol. 134; p. 1999.
- Chapman, S. J., Marietta, Ohio. Road-leveler. No. 900,829; Oct. 13; Sp. p. 1625; Dr. p. 329; Gaz. vol. 136; p. 1350.
- Chapman Valve Manufacturing Company. (See Howard, E. G., assignor.)
- Chapman, W. A., Smithville, Ark. Attachment for talking-machines. No. 888,306; May 19; Sp. p. 3947; Dr. p. 830; Gaz. vol. 134; p. 705.
- Chapman, W. A., Smithville, Ark. Talking-machine. No. 901,781; Oct. 20; Sp. p. 3611; Dr. p. 732; Gaz. vol. 136; p. 1696.
- Chapman, W. A., Smithville, Ark. Sound-reproducer. No. 901,782; Oct. 20; Sp. p. 3615; Dr. p. 732; Gaz. vol. 136; p. 1697.
- Chapman, W. H., Portland, Me. Conductor for discharging high-voltage electric charges. No. 878,272; Feb. 4; Sp. p. 777; Dr. p. 156; Gaz. vol. 132; p. 974.
- Chapman, W. H., Portland, Me. Neutralizing static electricity. No. 878,273; Feb. 4; Sp. p. 779; Dr. p. 156; Gaz. vol. 132; p. 974.

Alphabetical list of patentees—Continued.

- Chapman, W. H., Portland, Me. Apparatus for neutralizing static electricity. No. 900,830; Oct. 13; Sp. p. 1626; Dr. p. 329; Gaz. vol. 136; p. 1350.
- Chapman, W. H., Portland, Me. Means for removing static electricity. No. 904,248; Nov. 17; Sp. p. 3514; Gaz. vol. 137; p. 628.
- Chappel, J. M., Dallas, Tex. Screw-driver and attachment therefor. No. 881,298; Mar. 10; Sp. p. 1619; Dr. p. 346; Gaz. vol. 133; p. 302.
- Chappel, J. M., Dallas, Tex. Eyeglass-mounting. No. 907,127; Dec. 22; Sp. p. 3891; Gaz. vol. 137; p. 1722.
- Chappelear, T. B., and G. F. Humnicutt, Atlanta, Ga. Plow. No. 891,909; June 30; Sp. p. 5553; Dr. p. 1197; Gaz. vol. 134; p. 2069.
- Charbonneau, A. E., Los Angeles, Cal. Explosive. No. 886,038; Apr. 28; Sp. p. 4904; Gaz. vol. 133; p. 2053.
- Chard, N. D., and M. Shipley, assignors to Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Variable-speed mechanism. No. 890,333; June 9; Sp. p. 2313; Dr. p. 511; Gaz. vol. 134; p. 1455.
- Chard, N. D., and M. Shipley, assignors to Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Variable-speed mechanism. No. 890,334; June 9; Sp. p. 2316; Dr. pp. 511-12; Gaz. vol. 134; p. 1455.
- Charland, O., *et al.* (See Champagne, J. N., assignor.)
- Charles, B. R., Portland, Oreg. Electrothermal garment. No. 880,716; Mar. 3; Sp. p. 452; Dr. p. 95; Gaz. vol. 133; p. 79.
- Charles, H., Rapid City, S. D. Explosive-engine. No. 906,105; Dec. 3; Sp. p. 1955; Gaz. vol. 137; p. 1333.
- Charles, H. H., Manor township, Lancaster county, Pa. Brooder. No. 892,650; July 7; Sp. p. 500; Dr. p. 106; Gaz. vol. 135; p. 89.
- Charles Holmes Leather Working Machinery Company. (See Stimpson and Bradford, assignors.)
- Charles Parker Company. (See Walker, E. M., assignor.)
- Charles Wirt and Company. (See Wirt, C., assignor.)
- Charlottenburger Farbwerke Aktiengesellschaft. (See Wagner, H., assignor.)
- Charis, G. H., Middletown, Ohio. Metallic pipe. No. 902,556; Nov. 3; Sp. p. 44; Gaz. vol. 137; p. 8.
- Charlton, H. W., Ottawa, Ontario, Canada. Water-closet. No. 900,831; Oct. 13; Sp. p. 1627; Dr. p. 329; Gaz. vol. 136; p. 1350.
- Charlton, M. W., Spottiswoode, Victoria, Australia. Platform reaper and binder. No. 887,378; May 12; Sp. p. 2147; Dr. pp. 449-50; Gaz. vol. 134; p. 371.
- Charlton, M. W., Newport, Victoria, Australia, assignor to Massey Harris Company Limited, Toronto, Canada. Header-harvester. No. 887,311; May 12; Sp. p. 1989; Dr. p. 418; Gaz. vol. 134; p. 349.
- Charlton, W. (See Prue and Charlton.)
- Charnock, G. H. (See Skahen, J. J., assignor.)
- Charpiat, L., New York, N. Y. Repetition-action for pianos. No. 904,308; Nov. 17; Sp. p. 3646; Gaz. vol. 137; p. 650.
- Charron, F., Puteaux, France. Elastic securing device for doors of automobiles and other vehicles. No. 883,938; Apr. 7; Sp. p. 544; Dr. p. 108; Gaz. vol. 133; p. 1279.
- Charron, F., Puteaux, France. Protecting-shield for light ordnance. No. 890,603; June 16; Sp. p. 2854; Dr. p. 628; Gaz. vol. 134; p. 1575.
- Charron, G. M., Ericson, Nebr. Wall-papering machine. No. 888,222; May 19; Sp. p. 3789; Dr. pp. 794-5; Gaz. vol. 134; p. 678.
- Charter Oak Stove and Range Company. (See Hales, W., assignor.)
- Charters, A. G., and J. G. Jones, Watford, England. Electrical fuse. No. 889,200; June 2; Sp. p. 23; Dr. p. 5; Gaz. vol. 134; p. 1061.
- Chary, F. J., Paris, France. Elastic tire for wheels. No. 898,832; Sept. 15; Sp. p. 3176; Dr. p. 679; Gaz. vol. 136; p. 577.
- Chas. H. Stahling Co. (See Powers, M. A., assignor.)
- Chase, A. M., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Plow. No. 884,365; Apr. 14; Sp. p. 1417; Dr. p. 203; Gaz. vol. 133; p. 1447.
- Chase and Baker Company. (See Chase, J. H., assignor.)
- Chase, C., Fall River, Mass. Grab-bucket. No. 882,666; Mar. 24; Sp. p. 4327; Dr. p. 920; Gaz. vol. 133; p. 807.
- Chase, C., Fall River, Mass. Hoisting-bucket. No. 885,910; Apr. 28; Sp. p. 4600; Dr. pp. 964-5; Gaz. vol. 133; p. 2010.
- Chase, C., Fall River, Mass. Carrier. No. 887,065; May 12; Sp. p. 1449; Dr. pp. 307-9; Gaz. vol. 134; p. 267.
- Chase, C., Boston, assignor of one-half to W. E. Robinson, Winchester, Mass. Apparatus for cooling air. No. 895,962; Aug. 11; Sp. p. 2379; Dr. p. 507; Gaz. vol. 135; p. 1307.
- Chase, D., *et al.* (See Fredericks, E. J. and D. R., assignors.)
- Chase, D., assignor to Strong Machinery & Supply Co., New York, N. Y. Belt-coupling. No. 901,952; Oct. 27; Sp. p. 3939; Dr. p. 804; Gaz. vol. 136; p. 1781.
- Chase, E. W., Kalamazoo, Mich. Overshoe. No. 907,222; Dec. 22; Sp. p. 4087; Gaz. vol. 137; p. 1753.
- Chase, F. L., Jamestown, N. Y. Speed-changing mechanism. No. 904,179; Nov. 17; Sp. p. 3360; Gaz. vol. 137; p. 605.
- Chase, F. L., and B. M. Young, Jamestown, N. Y.; said Young assignor to said Chase. Multiple-cylinder engine. No. 877,294; Jan. 21; Sp. p. 3312; Dr. pp. 717-18; Gaz. vol. 132; p. 606.
- Chase, F. S., Bloomington, Ind. Harvester-reel. No. 884,465; Apr. 14; Sp. p. 1610; Dr. pp. 347-8; Gaz. vol. 133; p. 1479.
- Chase Foundry and Manufacturing Company. (See Chase, S. M., assignor.)
- Chase Foundry and Manufacturing Company. (See Chase and Stocklin, assignors.)
- Chase, H. M., *et al.* (See Pritchard, T. W., assignor.)
- Chase, J. H., Chicago, Ill., assignor to Chase and Baker Company, Buffalo, N. Y. Governing mechanism for pneumatic piano or organ players. No. 886,347; May 5; Sp. p. 18; Dr. p. 4; Gaz. vol. 134; p. 6.
- Chase, J. L., Ayer, assignor of one-half to R. J. Joslin, Webster, Mass. Trolley-pole support. No. 879,943; Feb. 25; Sp. p. 4258; Dr. p. 890; Gaz. vol. 132; p. 1626.
- Chase, L. L., North Springfield, Vt. Combination-cooker. No. 899,244; Sept. 22; Sp. p. 3989; Dr. p. 850; Gaz. vol. 136; p. 740.
- Chase, M. F. (See Heinz and Chase.)
- Chase, P. E., assignor of one-half to J. Wood, Coeur d'Alene, Idaho. Belt-stretcher. No. 893,982; July 21; Sp. p. 3355; Dr. p. 687; Gaz. vol. 135; p. 586.
- Chase, R. G., Medford, Mass. Tread-surface. No. 880,862; Sp. p. 777; Dr. p. 165; Gaz. vol. 133; p. 130.
- Chase, S. M., assignor to Chase Foundry and Manufacturing Company, Columbus, Ohio. Transporting and drying car for cement or concrete blocks. No. 883,294; Mar. 31; Sp. p. 5600; Dr. pp. 1193-4; Gaz. vol. 133; p. 1043.
- Chase, S. M., assignor to Chase Foundry and Manufacturing Company, Columbus, Ohio. Corner-socket. No. 896,085; Aug. 18; Sp. p. 2610; Dr. p. 566; Gaz. vol. 135; p. 1370.
- Chase, S. M., and W. C. Stocklin, assignors to Chase Foundry and Manufacturing Company, Columbus, Ohio. Railway-switch. No. 907,971; Dec. 29; Sp. p. 5657; Gaz. vol. 137; p. 2032.
- Chase Shawmut Company. (See Moore, H. P., assignor.)
- Chasey, W. H., Waldron, Kans. Husking-glove. No. 895,963; Aug. 11; Sp. p. 2381; Dr. p. 507; Gaz. vol. 135; p. 1308.
- Chatain, E. G., Flushing, N. Y. Fruit-cutter. No. 883,786; Apr. 7; Sp. p. 210; Dr. p. 38; Gaz. vol. 133; p. 1227.
- Chatard, W. M., Baltimore, Md. Match-box holder. No. 893,225; July 14; Sp. p. 1693; Dr. p. 357; Gaz. vol. 135; p. 306.
- Chateaneuf, F., Haverhill, Mass. Shoe-sewing machine. No. 900,353; Oct. 6; Sp. p. 586; Dr. p. 121; Gaz. vol. 136; p. 1165.
- Chatelain, A., Butler, Pa. Wall-papering machine. No. 903,672; Nov. 10; Sp. p. 2281; Gaz. vol. 137; p. 402.
- Chatem, J. E., Los Angeles, Cal. Wall-bed. No. 890,556; June 9; Sp. p. 2726; Dr. p. 602; Gaz. vol. 134; p. 1526.
- Chatfield, C. B., Grand Rapids, Mich. Under-water exhaust. No. 897,586; Sept. 1; Sp. p. 706; Dr. p. 148; Gaz. vol. 136; p. 112.
- Chatfield, G. L. (See Bradford and Chatfield.)
- Chatmond, G. W., Louisville, Ky. Trolley-pole. No. 888,223; May 19; Sp. p. 3790; Dr. p. 795; Gaz. vol. 134; p. 678.
- Chattanooga Plow Company. (See Moore, J. H., assignor.)
- Chatterton, A. E., Toronto, Ontario, Canada. Loose-leaf binder. No. 887,462; May 12; Sp. p. 2302; Dr. p. 483; Gaz. vol. 134; p. 398.
- Chaullin, A. L. M., Paris, France. Electrical appliance for protection against insects. No. 881,055; Mar. 3; Sp. p. 1121; Dr. p. 242; Gaz. vol. 133; p. 191.
- Chaumat, H. (See Steynis and Chaumat.)
- Chaumat, H., Paris, France. Preparation of the indigo-vat employed in dyeing. No. 885,978; Apr. 28; Sp. p. 4763; Gaz. vol. 133; p. 2033.
- Chavériat, V., Paris, France, assignor of one-half to J. P. O'Donnell, Westminster, England. Apparatus for adjusting railway-vehicle and like brakes. No. 897,817; Sept. 1; Sp. p. 1170; Dr. p. 249; Gaz. vol. 136; p. 185.
- Chayes, H. E. S., New York, N. Y. Artificial tooth. No. 885,018; Apr. 21; Sp. p. 2755; Dr. p. 584; Gaz. vol. 133; p. 1692.
- Chazal, P., Lyon, France. Manufacture of brushes and brooms. No. 878,343; Feb. 4; Sp. p. 920; Dr. p. 183; Gaz. vol. 132; p. 997.
- Chazal, P., Lyon, France. Manufacture of brushes. No. 878,344; Feb. 4; Sp. p. 921; Dr. p. 183; Gaz. vol. 132; p. 997.
- Chespe, J. A., Charlottesville, Va. Envelop. No. 902,375; Oct. 27; Sp. p. 4824; Dr. p. 975; Gaz. vol. 136; p. 1918.
- Cheatham, R. H., Denver, Colo. Clavicular apparatus. No. 890,842; June 16; Sp. p. 3351; Dr. p. 734; Gaz. vol. 134; p. 1654.
- Cheesman, G. R., assignor to Dunn and McCarthy, Auburn, N. Y. Welt-dressing machine. No. 883,525; Mar. 31; Sp. p. 6082; Dr. p. 1294; Gaz. vol. 133; p. 1117.
- Cheesman, G. R., assignor to Dunn and McCarthy, Auburn, N. Y. Apparatus for feeding soles to cementing-machines. No. 898,721; Sept. 15; Sp. p. 2970; Dr. pp. 636-7; Gaz. vol. 136; p. 541.
- Cheesman, R. E., La Fayette, Ind. Cotton-picker. No. 881,056; Mar. 3; Sp. p. 1122; Dr. p. 243; Gaz. vol. 133; p. 192.
- Chegwidden, E. A., and T. Root, West Fitchburg, Mass. Device for operating shutters. No. 891,326; June 23; Sp. p. 4336; Dr. p. 945; Gaz. vol. 134; p. 1845.
- Cheln, J. (See Heyman, D., assignor.)

Alphabetical list of patentees—Continued.

- Chein, J., New York, N. Y. Toy drum. No. 879,521; Feb. 18; Sp. p. 3342; Dr. p. 698; Gaz. vol. 132; p. 1454.
- Chein, J., New York, N. Y. Pin. No. 906,863; Dec. 15; Sp. p. 3386; Gaz. vol. 137; p. 1603.
- Chellis, E. D., assignor, by mesne assignments, to National Metal Seal Company, Portland, Me. Closure for containing vessels. No. 882,546; Mar. 17; Sp. p. 4079; Dr. p. 867; Gaz. vol. 133; p. 735.
- Chellis, E. D., assignor, by mesne assignments, to National Metal Seal Company, Portland, Me. Cap for bottles. No. 882,547; Mar. 17; Sp. p. 4080; Dr. p. 867; Gaz. vol. 133; p. 735.
- Chellis, E. D., assignor, by mesne assignments, to National Metal Seal Company, Portland, Me. Closure for containing vessels. No. 882,548; Mar. 17; Sp. p. 4082; Dr. p. 868; Gaz. vol. 133; p. 735.
- Chellis, E. D., assignor to National Metal Seal Company, Portland, Me. Closure for containing vessels. No. 882,549; Mar. 17; Sp. p. 4083; Dr. p. 868; Gaz. vol. 133; p. 736.
- Chellis, E. D., assignor to National Metal Seal Company, Portland, Me. Closure for containing vessels. No. 882,550; Mar. 17; Sp. p. 8084; Dr. p. 868; Gaz. vol. 133; p. 736.
- Chelson, T. A., and H. J. Benedict, Los Angeles, Cal. Pigeon-hole spacer. No. 901,069; Oct. 13; Sp. p. 2102; Dr. p. 427; Gaz. vol. 136; p. 1427.
- Chemical Reduction Company. (See Sperry, E. A., assignor.)
- Chemical Reduction Company. (See Townsend, C. P., assignor.)
- Chemical Works, formerly Sandoz. (See Billeter, O. C., assignor.)
- Chemical Works, formerly Sandoz. (See Böniger, M., assignor.)
- Chemical Works, formerly Sandoz. (See Steiner, A., assignor.)
- Chemische Fabrik Actien-Gesellschaft vormals Moritz Milch & Co., Zweigniederlassung Danzig. (See Griesel, F., assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Stephan and Hunsalz, assignors.)
- Chemische Fabrik Buckau. (See Adolph and Pietzsch, assignors.)
- Chemische Fabrik Flörsheim Dr. H. Nordlinger, Firm of. (See Goldberg, P., assignor.)
- Chemische Fabrik Griesheim Electron. (See Dieffenbach, O., assignor.)
- Chemische Fabrik Griesheim Electron. (See Jonas, O., assignor.)
- Chemische Fabrik Griesheim-Electron. (See List, G., assignor.)
- Chemische Fabrik Griesheim Electron. (See Rakowicz, P., assignor.)
- Chemische Fabrik Griesheim Electron. (See Schultze, H., assignor.)
- Chemische Fabrik Griesheim Electron. (See Voigt, J., assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Schnitzspahn, K., assignor.)
- Chemische Fabrik Griesheim-Elektron, Firm of. (See Wiss, E., assignor.)
- Chemische Fabrik Reisholz Gesellschaft M. B. H. (See Evers, F., assignor.)
- Chemische Fabrik von Heyden, Aktiengesellschaft. (See Hoessle, C. H. von, assignor.)
- Chemische Fabriken vorm. Weiler-ter Meer, Firm of. (See Schlenk, W., assignor.)
- Chenault, D. M., *et al.* (See Pullins, D. C., assignor.)
- Chenault, J. C., *et al.* (See Pullins, D. C., assignor.)
- Chenery, H. L. (See Doldt and Chenery.)
- Chenery, L. Y. (See Doldt and Chenery, assignors.)
- Cheney, E. S., Haywards, Cal. Mount. No. 875,691; Jan. 7; Sp. p. 27; Dr. pp. 5-6; Gaz. vol. 132; p. 7.
- Cheney, G. K., New York, N. Y., assignor, by mesne assignments, to Victor Talking Machine Company. Die-plate for stamping up sound-records. No. 879,363; Feb. 18; Sp. p. 3002; Dr. p. 628; Gaz. vol. 132; p. 1403.
- Cheney, H. N., Boston, Mass. Water-gas generator. No. 894,483; July 28; Sp. p. 4403; Dr. pp. 908-9; Gaz. vol. 135; p. 771.
- Cheney, H. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Motor-controlling mechanism. No. 875,981; Jan. 7; Sp. p. 574; Dr. p. 124; Gaz. vol. 132; p. 100.
- Cheney, H. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Motor-controlling mechanism. No. 875,982; Jan. 7; Sp. p. 580; Dr. p. 125; Gaz. vol. 132; p. 101.
- Cheney, H. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Protective device for electric circuits. No. 890,496; June 9; Sp. p. 2606; Dr. p. 578; Gaz. vol. 134; p. 1506.
- Cheney, H. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Liquid rheostat. No. 891,232; June 23; Sp. p. 4147; Dr. p. 908; Gaz. vol. 134; p. 1813.
- Cheney, H. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Electromagnet. No. 893,305; July 14; Sp. p. 1848; Dr. p. 387; Gaz. vol. 135; p. 333.
- Cheney, H. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Motor-control system. No. 896,516; Aug. 18; Sp. p. 3465; Dr. pp. 745-6; Gaz. vol. 135; p. 1510.
- Cheney, J. M. (See Trumble, C. B., assignor.)
- Cheney, T. C., and J. S. Bosson, Chickasha, Okla. Electric insect-destroyer. No. 907,570; Dec. 22; Sp. p. 4767; Gaz. vol. 137; p. 1870.
- Chenot, G., Brussels, Belgium. Filtering-well. No. 892,581; July 7; Sp. p. 358; Dr. pp. 78-9; Gaz. vol. 135; p. 67.
- Chenoweth, A. C., New York, assignor of one-half to J. McNamee, Brooklyn, N. Y. Screw-fastener. No. 906,691; Dec. 15; Sp. p. 3044; Gaz. vol. 137; p. 1548.
- Chenoweth, J. W., Otterbein, Ind. Valve for engines. No. 888,470; May 26; Sp. p. 4291; Dr. pp. 908-9; Gaz. vol. 134; p. 789.
- Chenoweth, J. W. and O. U., Otterbein, Ind. Fuel and water controlled apparatus for flash-boilers. No. 894,255; July 28; Sp. p. 3943; Dr. p. 812; Gaz. vol. 135; p. 696.
- Chenoweth, M. S., Denver, Colo. Device for attaching handles to doors. No. 885,687; Apr. 21; Sp. p. 4142; Dr. p. 867; Gaz. vol. 133; p. 1907.
- Chenoweth, O. U. (See Chenoweth, J. W. and O. U.)
- Cherbonnier, G. C., Ferguson, assignor to American Car & Foundry Company, St. Louis, Mo. Door-operating mechanism. No. 905,123; Nov. 24; Sp. p. 5327; Gaz. vol. 137; p. 948.
- Cherry, F., Cleveland, Ohio. Machine for molding cement blocks. No. 884,713; Apr. 14; Sp. p. 2149; Dr. pp. 456-7; Gaz. vol. 133; p. 1562.
- Cherrington, E. J., Gallipolis, Ohio. Safety-cap for gas-keys. No. 886,478; May 5; Sp. p. 274; Dr. p. 58; Gaz. vol. 134; p. 50.
- Cherry, A. E., Bellwood, Pa. Churn. No. 906,198; Dec. 8; Sp. p. 2127; Gaz. vol. 137; p. 1365.
- Cherry, F. T., Texarkana, Tex. Fence-post. No. 902,802; Nov. 3; Sp. p. 519; Gaz. vol. 137; p. 91.
- Chesbrough, H. H., Southpark, Wash. Egg-boiler. No. 878,866; Feb. 11; Sp. p. 2037; Dr. p. 421; Gaz. vol. 132; p. 1202.
- Chesebro, E. L., West Springfield, Mass. Game-piece. No. 907,571; Dec. 22; Sp. p. 4768; Gaz. vol. 137; p. 1871.
- Cheshire, J. L., Atlanta, Ga. Overalls. No. 887,588; May 12; Sp. p. 2556; Dr. p. 539; Gaz. vol. 134; p. 440.
- Chesney, J., Paulsboro, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Machine for making paper shells. No. 883,169; Mar. 31; Sp. p. 5329; Dr. p. 1136; Gaz. vol. 133; p. 1001.
- Chesney, J., Paulsboro, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Machine for making paper shells. No. 892,362; June 30; Sp. p. 6420; Dr. p. 1386; Gaz. vol. 134; p. 2216.
- Chesney, J., Paulsboro, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Folder for closing the ends of paper shells. No. 905,844; Dec. 8; Sp. p. 1447; Gaz. vol. 137; p. 1251.
- Chesrown, J. W., Mansfield, Ohio. Cutter-bar. No. 892,402; July 7; Sp. p. 24; Dr. pp. 7-8; Gaz. vol. 135; p. 7.
- Chesser, G. W. (See Bentley and Chesser.)
- Chester, A. T., Pelham Manor, assignor to Aeolian Company, New York, N. Y. Playing attachment for musical key instruments. No. 886,348; May 5; Sp. p. 19; Dr. p. 5; Gaz. vol. 134; p. 6.
- Chester B. Albee Iron Works Company. (See Albee, C. B., assignor.)
- Chesterman, W., Sheffield, England. Tape-measure. No. 898,320; Sept. 8; Sp. p. 2185; Dr. p. 463; Gaz. vol. 136; p. 378.
- Chesterman, W., assignor of three-fourths to D. Smiley, L. B. Butterbaugh, and D. W. Richards, Walston, Pa. Nut-lock. No. 878,042; Feb. 4; Sp. p. 307; Dr. p. 65; Gaz. vol. 132; p. 898.
- Chew, T. S., Atlantic City, N. J. Trap for bath-tubs. No. 886,943; May 5; Sp. p. 1204; Dr. p. 255; Gaz. vol. 134; p. 200.
- Chewning, C. D. (See Taylor, B. E., assignor.)
- Chезem, S. S., Terre Haute, Ind. Mold. No. 881,299; Mar. 10; Sp. p. 1621; Dr. p. 346; Gaz. vol. 133; p. 302.
- Chial, J., Lake Park, Minn. Water-tank. No. 882,098; Mar. 17; Sp. p. 3237; Dr. pp. 688-9; Gaz. vol. 133; p. 589.
- Chicago Feather Duster Co. (See Goodhue, M. E., assignor.)
- Chicago Filing Machine Company. (See Peterson, C. J., assignor.)
- Chicago Grain Door Company. (See Hill, E. A., assignor.)
- Chicago Grain Door Company. (See Mallory, J. L., assignor.)
- Chicago Hardware Foundry Company. (See Sedgwick, E. P., assignor.)
- Chicago Heat Regulator Company. (See Nelson, J., assignor.)
- Chicago Lubricator Company. (See Edwards, F. W., assignor.)
- Chicago Metal Weather Strip Company. (See Hedberg, P. L., assignor.)
- Chicago Pneumatic Tool Company. (See Boyer, J., assignor.)

Alphabetical list of patentees—Continued.

- Chicago Pneumatic Tool Company. (See Duntley and Kimman, assignors.)
 Chicago Pneumatic Tool Company. (See Keller, J., assignor.)
 Chicago Pneumatic Tool Company. (See Keller, W. H., assignor.)
 Chicago Pneumatic Tool Company. (See Sergeant, C. H., assignor.)
 Chicago Portrait Company. (See Nelson, J., assignor.)
 Chicago Railroad Supply Company. (See Vogel, E. W., assignor.)
 Chicago Railway Equipment Company. (See Robischung, H. B., assignor.)
 Chicago Railway Equipment Company. (See Williams, C. H., Jr., assignor.)
 Chicago Wood Finishing Co. (See Sutton, A., assignor.)
 Chichestor, F., Poughkeepsie, N. Y. Chair-iron. No. 876,525; Jan. 14; Sp. p. 1711; Dr. pp. 371-2; Gaz. vol. 132; p. 310.
 Chick, T. (See Braconier, O. E., assignor.)
 Chickering, C. C., Chicago, Ill. Capo-tasto bar for piano-frames. No. 888,065; May 19; Sp. p. 3492; Dr. p. 731; Gaz. vol. 134; p. 626.
 Chickering & Sons. (See Sager, E. C., assignor.)
 Chidister, S. E., Ramah, Colo., assignor of one-third to B. H. Givans, Packwood, Iowa. Brake. No. 886,944; May 5; Sp. p. 1206; Dr. p. 255; Gaz. vol. 134; p. 201.
 Child, A. (See Kraemer and Child.)
 Child, G. W., Boston, Mass. Ash-sifter. No. 887,031; May 5; Sp. p. 1375; Dr. p. 292; Gaz. vol. 134; p. 228.
 Childress, A. E., and H. Cathriner, Houston, Tex. Water or oil well screen. No. 883,085; Mar. 24; Sp. p. 5147; Dr. p. 1099; Gaz. vol. 133; p. 943.
 Childress, G. F. (See Smith, E. L., assignor.)
 Childress, H. F., *et al.* (See Henry, G. W., assignor.)
 Childress, J. A., Pilot, Va. Vegetable and fruit slicer and cutter. No. 895,161; Aug. 4; Sp. p. 765; Dr. p. 160; Gaz. vol. 135; p. 1021.
 Childs, E., assignor to Trimont Manufacturing Company, Boston, Mass. Machine for uniting chain-links. No. 893,226; July 14; Sp. p. 1694; Dr. p. 358; Gaz. vol. 135; p. 306.
 Childs, G. W., New York, N. Y. Utilizing sapped tanning liquors. No. 881,094; Mar. 3; Sp. p. 1201; Gaz. vol. 133; p. 204.
 Childs, G. W., New York, N. Y. Making leather-dressing from sapped or exhausted tanning liquors. No. 882,489; Mar. 17; Sp. p. 3952; Gaz. vol. 133; p. 715.
 Childs, G. W., New York, N. Y. Making liquid leather-dressings from tanning liquors. No. 882,490; Mar. 17; Sp. p. 3953; Gaz. vol. 133; p. 715.
 Childs, G. W., New York, N. Y. Utilizing sapped tanning liquors. No. 899,006; Sept. 15; Sp. p. 3483; Gaz. vol. 136; p. 634.
 Childs, J., Russellton, Pa. Pit-car. No. 896,623; Aug. 18; Sp. p. 3655; Dr. p. 784; Gaz. vol. 135; p. 1543.
 Childs, S. S., Bernardsville, N. J. Spring-wheel. No. 878,937; Feb. 11; Sp. p. 2176; Dr. p. 455; Gaz. vol. 132; p. 1225.
 Childs, S. S., Bernardsville, N. J. Resilient wheel. No. 896,362; Aug. 18; Sp. p. 3150; Dr. p. 677; Gaz. vol. 135; p. 1457.
 Childs, S. S., Bernardsville, N. J. Spring-wheel. No. 907,459; Dec. 22; Sp. p. 4569; Gaz. vol. 137; p. 1836.
 Childs, S. S. and W. J., Jr., Bernardsville, N. J. Spring-wheel. No. 891,462; June 23; Sp. p. 4613; Dr. p. 1002; Gaz. vol. 134; p. 1889.
 Childs, W., Jr. (See Childs, S. S. and W., Jr.)
 Childs, W. G., *et al.* (See Rempe, J. E., assignor.)
 Chiles, S. W. (See Taylor, H., assignor.)
 Chilson, B. A., Ukiah, Cal. Plow. No. 900,981; Oct. 13; Sp. p. 1940; Dr. p. 395; Gaz. vol. 136; p. 1398.
 Chilstrom, J. A., Winthrop, Minn. Cabinet for laces, trimmings, &c. No. 893,983; July 21; Sp. p. 3357; Dr. p. 687; Gaz. vol. 135; p. 586.
 Chilton, H. J., Chicago, Ill. Bottle-handling apparatus. No. 885,912; Apr. 28; Sp. p. 4603; Dr. pp. 965-6; Gaz. vol. 133; p. 2010.
 Chiodo, A. Z., Cairo, Egypt. Reinforced wall. No. 889,870; June 2; Sp. p. 1326; Dr. p. 303; Gaz. vol. 134; p. 1276.
 Chipchase, J. J., Horwich, England. Sand-molding machine. No. 878,345; Feb. 4; Sp. p. 922; Dr. p. 183; Gaz. vol. 132; p. 998.
 Chipman, H. F., New Haven, Conn. Mold for casting wheels. No. 905,287; Dec. 1; Sp. p. 315; Gaz. vol. 137; p. 1035.
 Chipperfield, W. H., London, England. Apparatus for the compression of gas or air for lamps. No. 885,319; Apr. 21; Sp. p. 3408; Dr. pp. 712-13; Gaz. vol. 133; p. 1791.
 Chisholm, C. L., Marysville, New Brunswick, Canada. Speaking-machine. No. 881,546; Mar. 10; Sp. p. 2091; Dr. p. 457; Gaz. vol. 133; p. 380.
 Chisholm, C. L., Marysville, New Brunswick, Canada. Reproducer. No. 881,547; Mar. 10; Sp. p. 2093; Dr. p. 458; Gaz. vol. 133; p. 381.
 Chisholm, C. L., Edmonton, Alta, Canada. Sound-recording apparatus. No. 891,233; June 23; Sp. p. 4149; Dr. p. 909; Gaz. vol. 134; p. 1813.
 Chisholm, F. H., Chicago, Ill. Exhaust-valve. No. 895,073; Aug. 4; Sp. p. 594; Dr. p. 123; Gaz. vol. 135; p. 992.
 Chittenden, W. R., assignor of one-half to G. H. Martin, Jersey City, N. J. Egg-beating machine. No. 890,604; June 16; Sp. p. 2856; Dr. p. 629; Gaz. vol. 134; p. 1575.
 Chitty, H., Strand, London, England. Dynamo-electric machine. No. 880,011; Feb. 25; Sp. p. 4385; Dr. p. 921; Gaz. vol. 132; p. 1648.
 Chitwood, D. C. (See Hamric and Chitwood.)
 Chivers, C., Bath, England. Bookbinding. No. 892,363; June 30; Sp. p. 6421; Dr. p. 1386; Gaz. vol. 134; p. 2216.
 Chlan, F. C. (See Herting and Chlan.)
 Choate, A. E., Henniker, N. H. Lantern-bracket. No. 894,116; July 21; Sp. p. 3618; Dr. p. 746; Gaz. vol. 135; p. 631.
 Cholinsky, O., Prague, Austria-Hungary. Dental extractor. No. 876,526; Jan. 14; Sp. p. 1713; Dr. p. 372; Gaz. vol. 132; p. 311.
 Choralelo Manufacturing Company. (See Severy and Sinclair, assignors.)
 Chown, J. V. (See Fitzsimmons and Chown.)
 Chreitzberg, H. F., assignor of one-half to E. C. Bowman, Winston Salem, N. C. Shutter-fastener. No. 884,895; Apr. 14; Sp. p. 2501; Dr. pp. 528-9; Gaz. vol. 133; p. 1620.
 Chreitzberg, H. F., assignor of one-half to E. C. Bowman, Winston Salem, N. C. Shutter-fastener. No. 884,896; Apr. 14; Sp. p. 2503; Dr. p. 529; Gaz. vol. 133; p. 1620.
 Chrisman, C. C., St. Louis, Mo. Pad for writing-machines, furniture, &c. No. 878,043; Feb. 4; Sp. p. 308; Dr. p. 65; Gaz. vol. 132; p. 898.
 Christ, M. (See Stankey and Christ.)
 Christensen, A. B., assignor to Thistle Manufacturing Company, Chicago, Ill. Gearing for washing-machines. No. 891,794; June 23; Sp. p. 5305; Dr. p. 1148; Gaz. vol. 134; p. 2000.
 Christensen, A. W., Detroit, Mich. Bobbin-holding attachment for sewing-machines. No. 890,605; June 16; Sp. p. 2857; Dr. p. 629; Gaz. vol. 134; p. 1575.
 Christensen, B. R., San Francisco, Cal. Roofing-tile. No. 880,012; Feb. 25; Sp. p. 4389; Dr. p. 921; Gaz. vol. 132; p. 1648.
 Christensen, C. E. R., Brooklyn, N. Y. Bottle and jar stopper. No. 892,403; July 7; Sp. p. 26; Dr. p. 8; Gaz. vol. 135; p. 8.
 Christensen, F. G., Pacific Grove, Cal. Folding umbrella. No. 908,072; Dec. 29; Sp. p. 5859; Gaz. vol. 137; p. 2066.
 Christensen, H., Byron, Cal. Gang disk harrow. No. 894,188; July 28; Sp. p. 3784; Dr. p. 784; Gaz. vol. 135; p. 673.
 Christensen, H., Seattle, Wash. Sign. No. 894,369; July 28; Sp. p. 4172; Dr. p. 861; Gaz. vol. 135; p. 734.
 Christensen, J. H., Søvejen, Søllerød, Denmark. Relay for reinforcing sound. No. 903,811; Nov. 10; Sp. p. 2558; Gaz. vol. 137; p. 447.
 Christensen, J. S., Norway Lake, Minn. Grain-cleaner for wild peas and cockle. No. 897,271; Sept. 1; Sp. p. 18; Dr. p. 5; Gaz. vol. 136; p. 6.
 Christensen, N. A., Milwaukee, Wis. Compound air-compressor. No. 880,125; Feb. 25; Sp. p. 4610; Dr. p. 972; Gaz. vol. 132; p. 1684.
 Christensen, N. A., Milwaukee, Wis. Gear-cutting machine. No. 892,810; July 7; Sp. p. 818; Dr. p. 175; Gaz. vol. 135; p. 140.
 Christensen, O., and C. P. Sölbeck, Copenhagen, Denmark. Combined churn and butter-worker. No. 882,745; Mar. 24; Sp. p. 4487; Dr. p. 955; Gaz. vol. 133; p. 833.
 Christensen, P. (See Keller, M. E., assignor.)
 Christensen, P. (See Smith and Christensen.)
 Christensen, R., assignor of one-half to T. P. Hardy, Racine, Wis. Footwear. No. 896,971; Aug. 25; Sp. p. 4437; Dr. p. 948; Gaz. vol. 135; p. 1681.
 Christenson, A. L., Stockholm, Sweden. Box-bearing. No. 905,845; Dec. 8; Sp. p. 1449; Gaz. vol. 137; p. 1251.
 Christenson, C. J., Kellogg, Iowa. Hydrant. No. 883,086; Mar. 24; Sp. p. 5149; Dr. p. 1099; Gaz. vol. 133; p. 943.
 Christenson, G., Nevada, Mo. Gland-lock and svab. No. 891,910; June 30; Sp. p. 5555; Dr. p. 1197; Gaz. vol. 134; p. 2069.
 Christenson, J., Northport, Wash. Hasp. No. 898,834; Sept. 15; Sp. p. 3178; Dr. p. 680; Gaz. vol. 136; p. 578.
 Christenson, M. A., Spring Valley, Minn. Neck-yoke. No. 885,837; Apr. 28; Sp. p. 4467; Dr. p. 938; Gaz. vol. 133; p. 1986.
 Christian, E., Waterbury, Conn. Picture-molding bracket. No. 898,835; Sept. 15; Sp. p. 3179; Dr. p. 680; Gaz. vol. 136; p. 578.
 Christian, J. F. (See Dewey and Christian.)
 Christian, L. A. (See Burton, G. F., assignor.)
 Christian, L. A., *et al.* (See Burton, G. F., assignor.)
 Christian, W. B., Drury township, Rock Island county, Ill. Disk truck. No. 892,364; June 30; Sp. p. 6424; Dr. p. 1386; Gaz. vol. 134; p. 2216.
 Christians, H. R., Brooklyn, N. Y. Vise. No. 906,385; Dec. 8; Sp. p. 2473; Gaz. vol. 137; p. 1425.
 Christiansen, C., Gelsenkirchen, Germany. Thrust boring-machine. No. 883,858; Apr. 7; Sp. p. 378; Dr. p. 74; Gaz. vol. 133; p. 1251.
 Christiansen, W. A. (See Brooks, R. A., assignor.)

Alphabetical list of patentees—Continued.

- Christiansen, W. A., *et al.* (See Owen and Brooks, assignors.)
 Christianson, A., Butler, assignor to Standard Steel Car Company, Pittsburg, Pa. Journal-box lid. No. 906,613; Dec. 15; Sp. p. 2893; Gaz. vol. 137; p. 1523.
 Christianson, H. C., Fanwood, N. J. Crystallizing sugar. No. 880,629; Mar. 3; Sp. p. 283; Dr. p. 61; Gaz. vol. 133; p. 50.
 Christianson, P., Carlos, Minn. Corn-planter. No. 875,894; Jan. 7; Sp. p. 402; Dr. pp. 89-90; Gaz. vol. 132; p. 75.
 Christianson, P., Carlos, Minn. Hill-marker. No. 876,296; Jan. 7; Sp. p. 1208; Dr. pp. 263-4; Gaz. vol. 132; p. 202.
 Christianson, P., Carlos, Minn. Frame for agricultural machines. No. 876,297; Jan. 7; Sp. p. 1211; Dr. p. 264; Gaz. vol. 132; p. 202.
 Christie, E., London, England. Collar-support. No. 885,722; Apr. 28; Sp. p. 4224; Dr. p. 884; Gaz. vol. 133; p. 1947.
 Christie, W., New York, N. Y., assignor to W. G. Brokaw, Archdale, N. C. Motor-vehicle. No. 896,624; Aug. 18; Sp. p. 3656; Dr. pp. 785-6; Gaz. vol. 135; p. 1543.
 Christine, W. T., Chicago, and T. H. Budde, Aurora, Ill. Tree-sawing machine. No. 883,787; Apr. 7; Sp. p. 211; Dr. pp. 38-9; Gaz. vol. 133; p. 1227.
 Christinger, C. A., Wyl, Switzerland. Filling up holes in damaged bobbinet. No. 887,770; May 19; Sp. p. 2917; Dr. p. 615; Gaz. vol. 134; p. 330.
 Christman, M., and E. Johnson, Springfield, Mo. Piston-valve. No. 904,839; Nov. 24; Sp. p. 4756; Gaz. vol. 137; p. 853.
 Christmann, C. L., Englewood, N. J. Woven fabric. No. 879,736; Feb. 18; Sp. p. 3795; Dr. p. 796; Gaz. vol. 132; p. 1524.
 Christmann, C. L., Englewood, N. J. Woven fabric. No. 879,737; Feb. 18; Sp. p. 3797; Dr. p. 797; Gaz. vol. 132; p. 1524.
 Christoph, G. W., assignor to Sterling Blower & Pipe Mfg. Co., Hartford, Conn. Piping. No. 906,106; Dec. 8; Sp. p. 1959; Gaz. vol. 137; p. 1334.
 Christopher, C. F., Asheville, N. C. Railway-switch. No. 889,441; June 2; Sp. p. 499; Dr. pp. 118-19; Gaz. vol. 134; p. 1138.
 Christopherson, A. E. (See Heggen, J., assignor.)
 Christopherson, A. G. (See Thomas and Christopherson.)
 Christopherson, C. E. (See Barney, D., assignor.)
 Christopherson, H., Kidder, S. D. Wrench. No. 906,614; Dec. 15; Sp. p. 2894; Gaz. vol. 137; p. 1524.
 Christopherson, M., Grafton, N. D. Game-board. No. 902,376; Oct. 27; Sp. p. 4825; Dr. p. 975; Gaz. vol. 136; p. 1918.
 Christy Fire Clay Co. (See Miller, R. H., assignor.)
 Christy, J., Chicago, Ill. Keeper for lock-bolts. No. 885,320; Apr. 21; Sp. p. 3410; Dr. p. 713; Gaz. vol. 133; p. 1792.
 Christy, J. M., Des Moines, Iowa. Box-car loader. No. 896,197; Aug. 18; Sp. p. 2804; Dr. p. 604; Gaz. vol. 135; p. 1404.
 Christy, S. B., Berkeley, Cal. Electrode for the recovery of metals from solutions by electrolysis. No. 883,170; Mar. 31; Sp. p. 5330; Dr. pp. 1136-7; Gaz. vol. 133; p. 1001.
 Chronone Steel Works. (See Canda, F. E., assignor.)
 Chronik, A., New York, N. Y. Loose-leaf binder. No. 894,601; July 28; Sp. p. 4645; Dr. p. 963; Gaz. vol. 135; p. 810.
 Chronik, A. and L., New York, N. Y. Thread-counting apparatus. No. 901,879; Oct. 20; Sp. p. 3780; Dr. p. 768; Gaz. vol. 136; p. 1726.
 Chronik, T. (See Chronik, A. and L.)
 Chrul, T., Baltimore, Md. Heater for confectioners' use. No. 884,073; Apr. 7; Sp. p. 813; Dr. p. 172; Gaz. vol. 133; p. 1323.
 Chrusczyk, K., assignor of three-fourths to J. Dulikiewicz, V. Jacobs, and M. Gurgacz, New Castle, Pa. Machine for tamping railway-ties. No. 895,964; Aug. 11; Sp. p. 2382; Dr. pp. 507-8; Gaz. vol. 135; p. 1308.
 Chrysler, F., Albany, N. Y. Check-control apparatus. No. 887,066; May 12; Sp. p. 1453; Dr. p. 309; Gaz. vol. 134; p. 268.
 Chrysler, W. P. (See Schaefer, A. C., assignor.) (Reissue.)
 Chaubuck, E. F., Hornell, N. Y. Pleasure-wheel. No. 881,095; Mar. 3; Sp. p. 1202; Dr. p. 259; Gaz. vol. 133; p. 204.
 Church, A. E., Hartford, Conn. Screw-cutting die-head. No. 896,711; Aug. 25; Sp. p. 3840; Dr. p. 831; Gaz. vol. 135; p. 1592.
 Church, B. S., New York, N. Y. Expandable-fluid turbine. No. 878,118; Feb. 4; Sp. p. 451; Dr. p. 96; Gaz. vol. 132; p. 922.
 Church, C. F., Brooklyn, N. Y. Apparatus for covering articles with materials. No. 883,450; Mar. 31; Sp. p. 5940; Dr. p. 1267; Gaz. vol. 133; p. 1095.
 Church, C. J., Porter Corners, N. Y. Oil-burner. No. 880,193; Feb. 25; Sp. p. 4749; Dr. p. 1006; Gaz. vol. 132; p. 1707.
 Church, C. P. (See Crouch and Church.)
 Church, F. A., Chicago, Ill. Pleasure-railway. No. 895,427; Aug. 11; Sp. p. 1309; Dr. p. 275; Gaz. vol. 135; p. 1135.
 Church, F. A., Chicago, Ill. Pleasure-railway car. No. 895,428; Aug. 11; Sp. p. 1311; Dr. pp. 275-6; Gaz. vol. 135; p. 1135.
 Church, G. W., Stamford, Conn., assignor to R. Hoe, New York, N. Y. Stapling mechanism. No. 881,900; Mar. 17; Sp. p. 2831; Dr. p. 605; Gaz. vol. 133; p. 524.
 Church, M., Washington, D. C. Roll of paper. No. 877,755; Jan. 28; Sp. p. 4225; Dr. p. 916; Gaz. vol. 132; p. 776.
 Church, W. H., Pawtuxet, assignor to Providence Tipping Machine Company, Providence, R. I. Machine for manufacturing shoe or similar lacings. No. 895,724; Aug. 11; Sp. p. 1898; Dr. pp. 402-4; Gaz. vol. 135; p. 1232.
 Churcher, A., Jr., Lyons, Ill.; E. M. Churcher, conservatrix. Automatic car-coupling. No. 894,814; Aug. 4; Sp. p. 23; Dr. p. 5; Gaz. vol. 135; p. 904.
 Churcher, E. M., conservatrix. (See Churcher, A., Jr.)
 Churchill, C., U. S. Navy, assignor to Churchill Company, Boston, Mass. Classifier or separator. No. 890,606; June 16; Sp. p. 2857; Dr. p. 629; Gaz. vol. 134; p. 1575.
 Churchill Company. (See Churchill, C., assignor.)
 Churchill, D., Chicago, Ill. Permutation-lock. No. 887,771; May 19; Sp. p. 2918; Dr. p. 615; Gaz. vol. 134; p. 530.
 Churchill, D., Chicago, Ill. Door for lockers. No. 899,589; Sept. 29; Sp. p. 4639; Dr. p. 996; Gaz. vol. 136; p. 887.
 Churchill, F. N., Spokane, Wash. Furniture. No. 901,152; Oct. 13; Sp. p. 2250; Dr. p. 457; Gaz. vol. 136; p. 1453.
 Churchman, J. E., Orange, and J. F. Orchard, East Orange, N. J. Undertaker's crape-holder. No. 877,295; Jan. 21; Sp. p. 3315; Dr. p. 718; Gaz. vol. 132; p. 607.
 Churchward, A., Chicago, Ill., assignor to General Electric Company. Pole-piece for dynamo-electric machines. No. 907,738; Dec. 29; Sp. p. 5176; Gaz. vol. 137; p. 1056.
 Churchward, J., New York, N. Y. Hardening and toughening steel. No. 883,698; Apr. 7; Sp. p. 47; Gaz. vol. 133; p. 1200.
 Churchward, J., New York, N. Y. Producing alloyed steels. No. 884,009; Apr. 7; Sp. p. 689; Dr. p. 139; Gaz. vol. 133; p. 1302.
 Churchward, J., New York, N. Y. Heat treatment and quenching of alloyed steels. No. 899,713; Sept. 29; Sp. p. 4883; Dr. p. 1048; Gaz. vol. 136; p. 925.
 Chute, H. E., Peru, Ind. Operating mechanism for reed-organs. No. 903,450; Nov. 10; Sp. p. 1821; Gaz. vol. 137; p. 331.
 Chute, H. O., Cleveland, Ohio. Purifying rubber. No. 890,216; June 9; Sp. p. 2045; Dr. p. 450; Gaz. vol. 134; p. 1417.
 Chute, H. O., Cleveland, Ohio. Purifying rubber. No. 890,217; June 9; Sp. p. 2051; Gaz. vol. 134; p. 1417.
 Chute, H. O., Cleveland, Ohio. Preparing wood-alcohol and chloroform. No. 893,784; July 21; Sp. p. 2934; Gaz. vol. 135; p. 521.
 Chute, H. O., Cleveland, Ohio. Purifying turpentine. No. 895,003; Aug. 4; Sp. p. 463; Gaz. vol. 135; p. 969.
 Chute, H. O., Cleveland, Ohio. Distillation apparatus. No. 896,434; Aug. 18; Sp. p. 3293; Dr. p. 708; Gaz. vol. 135; p. 1481.
 Chute, H. O., Cleveland, Ohio. Distillation. No. 896,435; Aug. 18; Sp. p. 3296; Dr. p. 708; Gaz. vol. 135; p. 1482.
 Chynoweth, W. R., Painesdale, Mich. Combined measuring instrument. No. 905,054; Nov. 24; Sp. p. 5182; Gaz. vol. 137; p. 925.
 Ciannachella, G., New York, N. Y. Safety-bit for horses and other animals. No. 904,682; Nov. 24; Sp. p. 4409; Gaz. vol. 137; p. 800.
 Cincinnati Butcher's Supply Company. (See Schmidt and Pfum, assignors.)
 Cincinnati Milling Machine Company. (See De Leuw, A. L., assignor.)
 Ciner, E., New York, N. Y. Combined match-box and cigar-cutter. No. 894,256; July 28; Sp. p. 3944; Dr. p. 812; Gaz. vol. 135; p. 696.
 Ciociola, G., Fort Leavenworth, Kans. Legging. No. 899,590; Sept. 29; Sp. p. 4641; Dr. p. 996; Gaz. vol. 136; p. 888.
 Cipar, F., Chicago, Ill. Drum. No. 881,109; Mar. 10; Sp. p. 1230; Dr. p. 265; Gaz. vol. 133; p. 239.
 Cissel, R. B., Elizabeth, assignor to Backus Water Motor Company, Newark, N. J. Gas-producer. No. 879,441; Feb. 18; Sp. p. 3181; Dr. p. 662; Gaz. vol. 132; p. 1428.
 Clack, J. H., assignor of one-half to C. L. Woods, Memphis, Tex. Well-digging machine. No. 905,147; Dec. 1; Sp. p. 46; Gaz. vol. 137; p. 991.
 Claes & Lehnbeuter Manufacturing Co. (See Lehnbeuter and Brunnacker, assignors.)
 Clafin, A. D. (See Cole, A. L., assignor.)
 Clafin, C. A., Medford, Mass. Air-exhausting liquid-supply apparatus. No. 881,548; Mar. 10; Sp. p. 2095; Dr. p. 458; Gaz. vol. 133; p. 381.
 Clafin, C. A., Medford, Mass. Automatically-drained gate-valve. No. 898,722; Sept. 15; Sp. p. 2972; Dr. p. 637; Gaz. vol. 136; p. 541.
 Clamer, G. H., and J. G. Hendrickson, assignors to Ajax Metal Company, Philadelphia, Pa. Alloy. (Reissue.) No. 12,880; Nov. 17; Sp. p. 4044; Gaz. vol. 137; p. 712.
 Clapesattle, G. A. (See Yerian, W. F. and D. H., assignors.)
 Clapp, F. M., assignor to Ohio Varnish Company, Cleveland, Ohio. Graining-tool. No. 907,739; Dec. 29; Sp. p. 5177; Gaz. vol. 137; p. 1956.
 Clapp, F. M., assignor to Ohio Varnish Company, Cleveland, Ohio. Compartment-can. No. 908,205; Dec. 29; Sp. p. 6166; Gaz. vol. 137; p. 2111.
 Clapp, G. E., Goshen, Ind. Convertible chair. No. 888,868; May 26; Sp. p. 5127; Dr. p. 1093; Gaz. vol. 134; p. 920.
 Clapp, G. W., assignor to C. H. Barnard, New York, N. Y. Smoking-pipe. No. 904,309; Nov. 17; Sp. p. 3649; Gaz. vol. 137; p. 650.
 Clapp, S. E. (See Bates, Clapp, and Booth.)

Alphabetical list of patentees—Continued.

- Clapp, W. F., Minneapolis, Minn. Car-stop. No. 907,972; Dec. 29; Sp. p. 5660; Gaz. vol. 137; p. 2033.
- Clare, C. H., Stratham, N. H. Secondary or storage battery. No. 894,602; July 28; Sp. p. 4647; Dr. pp. 963-4; Gaz. vol. 135; p. 810.
- Claridge, A. F., Baltimore, Md. Enamel sign. No. 884,570; Apr. 14; Sp. p. 1828; Dr. p. 392; Gaz. vol. 133; p. 1514.
- Clark, A. F., Cashion, Okla. Running-gear. No. 877,488; Jan. 28; Sp. p. 3688; Dr. p. 800; Gaz. vol. 132; p. 689.
- Clark, A. G. (See Brown and Clark.)
- Clark, A. G., Schenectady, N. Y., assignor to General Electric Company. Railway-signal. No. 890,607; June 16; Sp. p. 2859; Dr. p. 630; Gaz. vol. 134; p. 1576.
- Clark, A. G., Schenectady, N. Y., assignor to General Electric Company. Switch-box. No. 907,740; Dec. 29; Sp. p. 5178; Gaz. vol. 137; p. 1956.
- Clark, A. L. (See Porter and Clark.)
- Clark, A. M. (See Hodges, F. W., assignor.)
- Clark, A. M., Kalamazoo, Mich. Fastener. No. 882,996; Mar. 24; Sp. p. 4985; Dr. p. 1060; Gaz. vol. 133; p. 915.
- Clark, B. B., Charleston, S. C. Mail catcher and deliverer. No. 906,107; Dec. 8; Sp. p. 1960; Gaz. vol. 137; p. 1334.
- Clark, B. F., assignor to Standard Optical Company, Geneva, N. Y. Lens-grinding machine. No. 900,664; Oct. 6; Sp. p. 1270; Dr. p. 260; Gaz. vol. 136; p. 1268.
- Clark, B. V., Providence, and W. C. Cookson, Arctic, R. I. Key-ring device. No. 878,274; Feb. 4; Sp. p. 781; Dr. p. 156; Gaz. vol. 132; p. 974.
- Clark, C., Gueydan, La. Baling-press. No. 894,876; Aug. 4; Sp. p. 142; Dr. pp. 31-4; Gaz. vol. 135; p. 925.
- Clark, C., Springfield, Mass. Faucet. No. 903,451; Nov. 10; Sp. p. 1823; Gaz. vol. 137; p. 331.
- Clark, C. A., Hartford, Conn. Switch-button. No. 889,760; June 2; Sp. p. 1116; Dr. p. 259; Gaz. vol. 134; p. 1238.
- Clark, C. A., Hartford, Conn. Switch-button. No. 889,871; June 2; Sp. p. 1328; Dr. p. 303; Gaz. vol. 134; p. 1276.
- Clark, C. A., Hartford, Conn. Electric switch. No. 899,205; Sept. 22; Sp. p. 3880; Dr. p. 829; Gaz. vol. 136; p. 726.
- Clark, C. A., Syracuse, N. Y. Gas-engine. No. 900,083; Oct. 6; Sp. p. 18; Dr. p. 4; Gaz. vol. 136; p. 1078.
- Clark, C. A., Hartford, assignor to Trumbull Electric Manufacturing Company, Plainville, Conn. Rotary snap-switch. No. 906,386; Dec. 8; Sp. p. 2475; Gaz. vol. 137; p. 1425.
- Clark, C. H. (See Summers and Clark.)
- Clark, C. H., assignor to W. H. Laird, New York, N. Y. Potato-peeler. No. 877,550; Jan. 28; Sp. p. 3845; Dr. p. 832; Gaz. vol. 132; p. 711.
- Clark, C. J., *et al.* (See Russell, I. O., assignor.)
- Clark, C. M. (See Harding and Clark.)
- Clark, C. R. (See Lyons, Clark, and McLean.)
- Clark, C. W., Union, Neb. Catch for refrigerators. No. 892,979; July 14; Sp. p. 1194; Dr. p. 252; Gaz. vol. 135; p. 227.
- Clark, C. W., and C. E. Yingling, Eaton, Ind. Attachment for trolley-pole clamps. No. 884,074; Apr. 7; Sp. p. 815; Dr. p. 172; Gaz. vol. 133; p. 1323.
- Clark, D. R., *et al.* (See Mayer, G. J., assignor.)
- Clark, D. S. (See Hennis and Clark.)
- Clark, E., Alameda, assignor to J. Nordman, San Francisco, Cal. Watchmaker's hair-spring gage. No. 878,346; Feb. 4; Sp. p. 923; Dr. p. 184; Gaz. vol. 132; p. 998.
- Clark, E. A. (See Gray, G. A., assignor.)
- Clark, E. A., Alexandria, Nebr. Washboard. No. 877,048; Jan. 21; Sp. p. 2816; Dr. p. 609; Gaz. vol. 132; p. 525.
- Clark, E. B., assignor to American Sintering Company, Chicago, Ill. Preparing ores for use in the manufacture of steel. No. 887,379; May 12; Sp. p. 2150; Dr. p. 450; Gaz. vol. 134; p. 371.
- Clark, E. B., Chicago, Ill., and C. H. Fettel, Hubbard, Ohio, assignors to American Sintering Company, Chicago, Ill. Sintering apparatus. No. 891,327; June 23; Sp. p. 4337; Dr. p. 946; Gaz. vol. 134; p. 1845.
- Clark, E. C., Philadelphia, Pa. Coffin-handle. No. 893,445; July 14; Sp. p. 2134; Dr. pp. 447-8; Gaz. vol. 135; p. 378.
- Clark, E. E., Kalamazoo, Mich. Stereoscope. No. 876,329; Jan. 14; Sp. p. 1279; Dr. p. 278; Gaz. vol. 132; p. 243.
- Clark, E. E., Colorado Springs, Colo. Calculator. No. 879,145; Feb. 18; Sp. p. 2582; Dr. p. 538; Gaz. vol. 132; p. 1331.
- Clark, E. E., Springfield, assignor to C. H. Phinney, trustee, Chestnut Hill, Mass. Valve for pumps, &c. No. 877,906; Feb. 4; Sp. p. 24; Dr. p. 5; Gaz. vol. 132; p. 852.
- Clark, E. E., Springfield, assignor to C. H. Phinney, trustee, Chestnut Hill, Mass. Proportional meter. No. 887,772; May 19; Sp. p. 2922; Dr. p. 616; Gaz. vol. 134; p. 531.
- Clark, E. E., and H. A. Douglas, Kalamazoo, Mich., assignors to Royal Supply Company, Chicago, Ill. Stereoscope. No. 880,481; Feb. 25; Sp. p. 5352; Dr. p. 1128; Gaz. vol. 132; p. 1804.
- Clark, E. J., Baltimore, Md. Insulated gage-plate. No. 898,037; Sept. 8; Sp. p. 1655; Dr. p. 352; Gaz. vol. 136; p. 296.
- Clark, E. L. C. (See Pell and Clark.)
- Clark, E. M., assignor to Edwin M. Clark Slime Filter Company, Los Angeles, Cal. Slimes-filter apparatus. No. 877,631; Jan. 28; Sp. p. 3997; Dr. p. 864; Gaz. vol. 132; p. 737.
- Clark, F., Minneapolis, Minn. Flue-expander. No. 905,846; Dec. 8; Sp. p. 1450; Gaz. vol. 137; p. 1251.
- Clark, F. B., assignor of one-half to T. A. Weston, Stamford, Conn. Ice-cutting apparatus. No. 892,223; June 30; Sp. p. 6159; Dr. pp. 1327-8; Gaz. vol. 134; p. 2171.
- Clark, F. I., Baltimore, Md. Inhaler. No. 888,869; May 26; Sp. p. 5129; Dr. p. 1093; Gaz. vol. 134; p. 920.
- Clark, F. L., Pittsburg, assignor to American Brake Company, East St. Louis, Ill. Slack-adjuster. No. 896,972; Aug. 25; Sp. p. 4438; Dr. p. 948; Gaz. vol. 135; p. 1681.
- Clark, F. M., *et al.* (See Horsman, E. I., Jr., assignor.)
- Clark, G. H., Boston, Mass. Shoe-form. No. 877,049; Jan. 21; Sp. p. 2818; Dr. p. 609; Gaz. vol. 132; p. 525.
- Clark, G. H., Allston, Mass. Lasting-machine. No. 897,587; Sept. 1; Sp. p. 709; Dr. p. 149; Gaz. vol. 136; p. 113.
- Clark, G. H., Allston, assignor to Utica Freezing Machine Company, Boston, Mass. Shoe-finishing jack. No. 892,224; June 30; Sp. p. 6161; Dr. p. 1328; Gaz. vol. 134; p. 2171.
- Clark, G. R., Dayton, Ohio. Automatic time-switch. No. 908,073; Dec. 29; Sp. p. 5860; Gaz. vol. 137; p. 2066.
- Clark, G. W., assignor of one-fourth to J. B. Doyle, Grand Rapids, Mich. Lightning-arrester. No. 879,522; Feb. 18; Sp. p. 3343; Dr. p. 698; Gaz. vol. 132; p. 1454.
- Clark, H. L., assignor to A. Armstrong, Seattle, Wash. Kitchen utensil. No. 892,404; July 7; Sp. p. 27; Dr. p. 8; Gaz. vol. 135; p. 8.
- Clark, H. O., New York, N. Y. Piano-action. No. 893,705; July 21; Sp. p. 2683; Dr. p. 563; Gaz. vol. 135; p. 493.
- Clark, H. S. (See Lerch and Clark.)
- Clark, H. S., Los Angeles, Cal., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Brake-hanger. No. 893,306; July 14; Sp. p. 1849; Dr. p. 387; Gaz. vol. 135; p. 333.
- Clark, J., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Middle ring for pipe-couplings. No. 898,723; Sept. 15; Sp. p. 2974; Dr. p. 637; Gaz. vol. 136; p. 541.
- Clark, J. A., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Loom for weaving tufted fabrics. No. 878,119; Feb. 4; Sp. p. 454; Dr. pp. 96-7; Gaz. vol. 132; p. 922.
- Clark, J. B. (See Howery and Clark.)
- Clark, J. C., Atlanta, Ga. Vapor-condenser. No. 889,201; June 2; Sp. p. 24; Dr. pp. 5-6; Gaz. vol. 134; p. 1061.
- Clark, J. H., assignor of one-half to F. M. Thompson, Richmond, Va. Pneumatic suspension means. No. 894,117; July 21; Sp. p. 3619; Dr. p. 746; Gaz. vol. 135; p. 631.
- Clark, J. M., Whitestone, N. Y. Steam-generator. No. 881,057; Mar. 3; Sp. p. 1123; Dr. pp. 243-4; Gaz. vol. 133; p. 192.
- Clark, J. M., 3d, assignor of one-third to T. F. Williams, Attleboro, Mass. Target-practice attachment for firearms. No. 882,551; Mar. 24; Sp. p. 4093; Dr. p. 869; Gaz. vol. 133; p. 769.
- Clark, J. P., Newark, N. J., assignor to R. Neumann Hardware Co. Creasing, scoring, marking, and cutting machine. No. 887,721; May 12; Sp. p. 2797; Dr. pp. 591-2; Gaz. vol. 134; p. 485.
- Clark, J. S., Island City, Oreg. Vehicle-spring. No. 881,773; Mar. 10; Sp. p. 2534; Dr. p. 546; Gaz. vol. 133; p. 453.
- Clark, J. T., Montreal, Quebec, Canada. Automatic nut-lock. No. 904,937; Nov. 24; Sp. p. 4964; Gaz. vol. 137; p. 885.
- Clark, J. W., Champlain, N. Y. Puzzle. No. 898,321; Sept. 8; Sp. p. 2186; Dr. p. 464; Gaz. vol. 136; p. 378.
- Clark, L. K., New York, N. Y. Power-transmitting device. No. 895,618; Aug. 11; Sp. p. 1684; Dr. pp. 356-7; Gaz. vol. 135; p. 1196.
- Clark, M. (See Freborg, C., assignor.)
- Clark, M., Chicago, Ill. Automatic piano. No. 876,438; Jan. 14; Sp. p. 1513; Dr. p. 325; Gaz. vol. 132; p. 279.
- Clark, M., Chicago, Ill. Bellows for automatic musical instruments. No. 879,738; Feb. 18; Sp. p. 3800; Dr. p. 797; Gaz. vol. 132; p. 1525.
- Clark, M., Chicago, Ill. Automatic piano. No. 879,739; Feb. 18; Sp. p. 3803; Dr. p. 797; Gaz. vol. 132; p. 1525.
- Clark, M., Chicago, Ill. Duplex tracker-board for automatic musical instruments. No. 884,366; Apr. 14; Sp. p. 1419; Dr. p. 304; Gaz. vol. 133; p. 1448.
- Clark, M., Chicago, Ill. Perforated note-sheet for automatic music-playing instruments. No. 889,905; June 9; Sp. p. 1405; Dr. p. 319; Gaz. vol. 134; p. 1312.
- Clark, M., Chicago, Ill. Automatic piano. No. 901,323; Oct. 20; Sp. p. 2590; Dr. p. 533; Gaz. vol. 136; p. 1542.

Alphabetical list of patentees—Continued.

- Clark, M. A., Edmonton, Alberta, Canada. Mortising-plane. No. 898,556; Sept. 15; Sp. p. 2658; Dr. p. 568; Gaz. vol. 136; p. 488.
- Clark, M. C., Providence, R. I. Apparatus for refining rubber. No. 890,497; June 9; Sp. p. 2609; Dr. p. 578; Gaz. vol. 134; p. 1506.
- Clark, M. C., Providence, R. I. Apparatus for cleansing rubber. No. 890,498; June 9; Sp. p. 2610; Dr. p. 579; Gaz. vol. 134; p. 1506.
- Clark, M. C., Providence, R. I. assignor to Marvel Rubber Company. Last for molded footwear. No. 893,568; July 14; Sp. p. 2425; Dr. p. 504; Gaz. vol. 135; p. 419.
- Clark, N. E., Plainville, Conn. Expanded metal and producing the same. No. 882,491; Mar. 17; Sp. p. 3954; Dr. p. 845; Gaz. vol. 133; p. 715.
- Clark, N. E., Plainville, Conn., assignor to National Metal-Fabric Company, New York, N. Y. Manufacture of expanded metal. No. 884,714; Apr. 14; Sp. p. 2151; Dr. p. 457; Gaz. vol. 133; p. 1562.
- Clark, N. S., Richmond, Cal. Toaster. No. 888,960; May 26; Sp. p. 5332; Dr. p. 1132; Gaz. vol. 134; p. 951.
- Clark, P. W. (See Ocaín, G. E., assignor.)
- Clark, R., Charlie, Tex. Machine for cutting bagging. No. 880,194; Feb. 25; Sp. p. 4749; Dr. p. 1006; Gaz. vol. 132; p. 1707.
- Clark, R., Charlie, Tex. Door-holder. No. 880,630; Mar. 3; Sp. p. 284; Dr. p. 61; Gaz. vol. 133; p. 50.
- Clark, R. C., Tacoma, Wash. Cleaning-machine. No. 890,405; June 9; Sp. p. 2443; Dr. p. 540; Gaz. vol. 134; p. 1477.
- Clark, R. P., *et al.* (See Smith, P. S., assignor.)
- Clark, R. R., Smith Center, Kans. Ticket-case. No. 883,295; Mar. 31; Sp. p. 5603; Dr. p. 1194; Gaz. vol. 133; p. 1043.
- Clark & Roberts Company. (See Kersey, W. H., assignor.)
- Clark, S. W. (See Breslau and Clark.)
- Clark, S. W., New York, N. Y. Balanced swell for musical instruments. No. 888,307; May 19; Sp. p. 3948; Dr. p. 831; Gaz. vol. 134; p. 705.
- Clark, T. F., Seattle, Wash. Sidewalk coal-chute. No. 886,112; Apr. 28; Sp. p. 5033; Dr. p. 1058; Gaz. vol. 133; p. 2076.
- Clark, T. R. (See Singer and Clark.)
- Clark, T. W., Thermal, Cal. Leveler and scraper. No. 904,840; Nov. 24; Sp. p. 4757; Gaz. vol. 137; p. 854.
- Clark, W., New Rochelle, N. Y. Angle-finder. No. 899,692; Sept. 29; Sp. p. 4844; Dr. p. 1037; Gaz. vol. 136; p. 918.
- Clark, W. G. (See Davies and Clark.)
- Clark, W. G. (See Parker and Clark.)
- Clark, W. G., New York, N. Y. Hanging insulator. No. 884,641; Apr. 14; Sp. p. 2002; Dr. p. 428; Gaz. vol. 133; p. 1537.
- Clark, W. G., Terre Haute, Ind. Drier drain system. No. 896,055; Aug. 11; Sp. p. 2549; Dr. p. 551; Gaz. vol. 135; p. 1338.
- Clark, W. G., assignor to Parker-Clark Electric Company, New York, N. Y. Making incandescent-lamp filaments. No. 876,330; Jan. 14; Sp. p. 1282; Dr. p. 278; Gaz. vol. 132; p. 243.
- Clark, W. G., assignor to Parker-Clark Electric Company, New York, N. Y. Making incandescent-lamp filaments. No. 876,332; Jan. 14; Sp. p. 1285; Gaz. vol. 132; p. 244.
- Clark, W. G., and H. C. Parker, assignors to Parker-Clark Electric Company, New York, N. Y. Making electric-lamp filaments. No. 876,331; Jan. 14; Sp. p. 1283; Gaz. vol. 132; p. 244.
- Clark, W. R. (See Webster and Clark.)
- Clark, W. R., Jamestown, N. Y. Ball-bearing railway-track curve. No. 902,053; Oct. 27; Sp. p. 4159; Dr. p. 842; Gaz. vol. 136; p. 1813.
- Clark, W. S., Penrod, Ky. Folding bulky hay-rake. No. 906,770; Dec. 15; Sp. p. 3203; Gaz. vol. 137; p. 1574.
- Clark, W. S., assignor of one-half to W. R. Meservie, Harrisville, W. Va. Cutter-bar for harvesters. No. 897,818; Sept. 1; Sp. p. 1174; Dr. p. 249; Gaz. vol. 136; p. 185.
- Clarke, C. H., *et al.*, executors. (See Griffin, W. T.)
- Clarke, C. M., Pittsburg, Pa. Valve mechanism for glass-blowing apparatus. No. 900,914; Oct. 13; Sp. p. 1798; Dr. p. 364; Gaz. vol. 136; p. 1376.
- Clarke, C. M., Pittsburg, Pa. Coke-drawing apparatus. No. 907,681; Dec. 22; Sp. p. 5066; Gaz. vol. 137; p. 1908.
- Clarke, C. W., Swiss, W. Va. Derailling device. No. 880,717; Mar. 3; Sp. p. 453; Dr. p. 95; Gaz. vol. 133; p. 80.
- Clarke Chapman & Company. (See Robson, J., assignor.)
- Clarke, E. J., Scranton, Pa. Safety-valve for steam-boilers. No. 886,945; May 5; Sp. p. 1207; Dr. pp. 255-6; Gaz. vol. 134; p. 201.
- Clarke, E. J., Greenhithe, assignor to G. V. Maxted, F. Knott, and W. J. Coles, Hull, England. Slurry and like mill. No. 902,557; Nov. 3; Sp. p. 46; Gaz. vol. 137; p. 8.
- Clarke, E. J., and P. Dewitt, Scranton, Pa. Safety device. No. 893,053; July 14; Sp. p. 1356; Dr. pp. 286-7; Gaz. vol. 135; p. 251.
- Clarke, H. (See Clarke, S. B. and H.)
- Clarke, H. B., Highland Park, Ill. Filing-case. No. 879,944; Feb. 25; Sp. p. 4260; Dr. p. 891; Gaz. vol. 132; p. 1626.
- Clarke, J. S., Cleveland, Ohio. Apparatus for steering steamships and other vessels. No. 891,795; June 23; Sp. p. 5307; Dr. p. 1149; Gaz. vol. 134; p. 2000.
- Clarke, J. S., East Cleveland, Ohio. Steering device for motor-vehicles. No. 907,105; Dec. 15; Sp. p. 3808; Gaz. vol. 137; p. 1678.
- Clarke, S. B. and H., assignors to Clarke's Pyramid and Fairy Light Company, Limited, Cripplewood, London, England. Lamp. No. 896,275; Aug. 18; Sp. p. 2959; Dr. p. 637; Gaz. vol. 135; p. 1431.
- Clarke, V. A., and J. Szafka, Philadelphia, Pa. Handle for wrenches. No. 905,650; Dec. 1; Sp. p. 1077; Gaz. vol. 137; p. 1156.
- Clarke, W. F., Louisville, Ky. Type-writer ribbon for use in lithographing. No. 894,815; Aug. 4; Sp. p. 26; Dr. p. 6; Gaz. vol. 135; p. 905.
- Clarke, W. L., Waynesburg, Pa. Attachment for ink-bottles and ink-wells. No. 880,973; Mar. 3; Sp. p. 976; Dr. p. 210; Gaz. vol. 133; p. 165.
- Clarke's Pyramid and Fairy Light Company. (See Clarke, S. B. and H., assignors.)
- Clarkson, W. R., Tenino, Wash. Hydraulic motor. No. 897,962; Sept. 8; Sp. p. 1509; Dr. pp. 319-20; Gaz. vol. 136; p. 266.
- Clarus, B., Lüttich, Belgium. Recoil-operated firearm. No. 898,038; Sept. 8; Sp. p. 1656; Dr. pp. 352-3; Gaz. vol. 136; p. 290.
- Clary, S., Carnegie, Pa. Wear-plate for railway-ties. No. 900,982; Oct. 13; Sp. p. 1941; Dr. p. 895; Gaz. vol. 136; p. 1398.
- Classen, A., Aachen, Germany. Electrolytic process for the production of metallic dark coatings upon metals. No. 891,982; June 30; Sp. p. 5710; Gaz. vol. 134; p. 2093.
- Classon, A. N., Rutland township, LaSalle county, Ill. Operating mechanism for magnetos. No. 880,974; Mar. 3; Sp. p. 977; Dr. p. 211; Gaz. vol. 133; p. 165.
- Classon, A. N., Rutland township, LaSalle county, Ill. Gas-engine igniter. No. 881,058; Mar. 3; Sp. p. 1125; Dr. p. 244; Gaz. vol. 133; p. 192.
- Claude, G., Paris, France. Apparatus for the liquefaction of air. No. 881,176; Mar. 10; Sp. p. 1360; Dr. p. 293; Gaz. vol. 133; p. 261.
- Claude, G., Paris, France. Blowpipe. No. 882,997; Mar. 24; Sp. p. 4987; Dr. p. 1060; Gaz. vol. 133; p. 915.
- Claudon, J. A. L., Mexico, Mexico. Support for trunk-lids or the like. No. 905,651; Dec. 1; Sp. p. 1078; Gaz. vol. 137; p. 1156.
- Claunch, J. E., Collins, Miss. Wrench. No. 877,632; Jan. 28; Sp. p. 3999; Dr. p. 864; Gaz. vol. 132; p. 737.
- Claus, P. S., Detroit, Mich. Gas-engine. No. 890,335; June 9; Sp. p. 2319; Dr. p. 512; Gaz. vol. 134; p. 1455.
- Clausen, H. P., assignor to American Electric Telephone Company, Chicago, Ill. Telephone system. No. 889,582; June 2; Sp. p. 777; Dr. p. 178; Gaz. vol. 134; p. 1183.
- Clausen, J., Walnut, Iowa. Shaft-key-extracting device. No. 903,956; Nov. 17; Sp. p. 2889; Gaz. vol. 137; p. 527.
- Clauss, H. (See Lorenzen, J., assignor.)
- Clauss, H., Fremont, Ohio. Safety-razor. No. 886,039; Apr. 28; Sp. p. 4905; Dr. p. 1031; Gaz. vol. 133; p. 2053.
- Clauss, H., Sandusky, Ohio. Safety-razor. No. 895,429; Aug. 11; Sp. p. 1311; Dr. p. 276; Gaz. vol. 135; p. 1135.
- Claussen, J. F., Chicago, Ill. Combination coat and trousers hanger. No. 905,498; Dec. 1; Sp. p. 793; Gaz. vol. 137; p. 1109.
- Clawson, C. C., Flagtown, N. J. Recording-pen. No. 890,261; June 9; Sp. p. 2143; Dr. p. 470; Gaz. vol. 134; p. 1431.
- Clawson, F. O. (See Snyder and Clawson.)
- Clawson, S. I., Salt Lake City, Utah. Fume-arrester. No. 880,506; Mar. 3; Sp. p. 29; Dr. p. 7; Gaz. vol. 133; p. 8.
- Claxton, J. R., Doon, Iowa. Horse-detacher. No. 900,483; Oct. 6; Sp. p. 874; Dr. p. 179; Gaz. vol. 136; p. 1208.
- Clay, F. W. H., Pittsburg, Pa. Sound-recording apparatus. No. 881,664; Mar. 10; Sp. p. 2333; Dr. p. 506; Gaz. vol. 133; p. 419.
- Clay, F. W. H., Whitehall, Ky. Making sound-reproducing records. No. 900,706; Oct. 13; Sp. p. 1361; Dr. pp. 277-8; Gaz. vol. 136; p. 1309.
- Clay, G. H., *et al.* (See Holmes, E. E., assignor.)
- Clay, G. H. (See Neville, Clay, and Clewer.)
- Clay, H., Philadelphia, Pa., assignor to Automatic Device Company. Mail-pouch receiver. No. 889,105; May 26; Sp. p. 5611; Dr. pp. 1187-8; Gaz. vol. 134; p. 997.
- Clay, H. C., assignor to Reeves & Company, Columbus, Ind. Gearing. No. 901,070; Oct. 13; Sp. p. 2103; Dr. p. 428; Gaz. vol. 136; p. 1427.
- Clay, H. C., assignor to Reeves & Company, Columbus, Ind. Steering-gear. No. 904,407; Nov. 17; Sp. p. 3833; Gaz. vol. 137; p. 682.
- Clay, H. C., assignor to Reeves & Company, Columbus, Ind. Centrifugal governor. No. 904,602; Nov. 24; Sp. p. 4243; Gaz. vol. 137; p. 773.
- Clay, J., New York, N. Y. Switch-clip. No. 883,389; Mar. 31; Sp. p. 5799; Dr. p. 1237; Gaz. vol. 133; p. 1073.
- Clay, J., Rock Ferry, assignor to Empire Oil Engine Syndicate Limited, London, England. Internal-combustion engine. No. 901,278; Oct. 13; Sp. p. 2490; Dr. pp. 509-10; Gaz. vol. 136; p. 1491.
- Clay, P., assignor of one-half to E. Wright, Gibson, La. Nut-lock. No. 891,145; June 16; Sp. p. 3938; Dr. p. 862; Gaz. vol. 134; p. 1750.

Alphabetical list of patentees—Continued.

- Claypool, O. C., Prineville, Oreg. Clothes-line reel. No. 875,778; Jan. 7; Sp. p. 199; Dr. p. 43; Gaz. vol. 132; p. 36.
- Claypoole, W., Philadelphia, Pa. Unloading apparatus. No. 889,906; June 9; Sp. p. 1407; Dr. p. 320; Gaz. vol. 134; p. 1312.
- Clayton, A. J. (See Sandberg, V., assignor.)
- Clayton Aniline Company. (See Weizmann, C., assignor.)
- Clayton & Bentley Co. (See Bostrom, E. A., assignor.)
- Clayton & Bentley Co. (See Clayton, W. F., assignor.)
- Clayton & Bentley Co. (See Ginn, L. H., assignor.)
- Clayton, D. E. and G. C., Newark, N. J. Pump. No. 897,963; Sept. 8; Sp. p. 1510; Dr. p. 320; Gaz. vol. 136; p. 267.
- Clayton, F. T., assignor of one-half to R. A. Hammond, Sandwich, Mass. Boat-lashing device. No. 898,094; Sept. 8; Sp. p. 1756; Dr. p. 374; Gaz. vol. 136; p. 308.
- Clayton, G. C. (See Clayton, D. E. and G. C.)
- Clayton, J. B., Kirkwood, Mo. Concrete construction. No. 875,983; Jan. 7; Sp. p. 584; Dr. p. 125; Gaz. vol. 132; p. 101.
- Clayton, T. A., Paris, France. Multiple-way valve applicable to devices for gaseous fire extinction, &c. No. 878,772; Feb. 11; Sp. p. 1868; Dr. p. 384; Gaz. vol. 132; p. 1172.
- Clayton, T. A., Paris, France. Disinfecting apparatus. No. 885,435; Apr. 21; Sp. p. 3630; Dr. p. 761; Gaz. vol. 133; p. 1827.
- Clayton, W. F., Atlanta, Ga., assignor to Clayton & Bentley Co. Thin-plate detector for looms. No. 879,523; Feb. 18; Sp. p. 3344; Dr. pp. 698-9; Gaz. vol. 132; p. 1455.
- Clayton, W. H. (See Dukes and Clayton.)
- Cleal, J. P., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 894,484; July 28; Sp. p. 4405; Dr. pp. 909-11; Gaz. vol. 135; p. 772.
- Clearwater, F. H., West New York, N. J. Pipe-cleaner. No. 902,803; Nov. 3; Sp. p. 520; Gaz. vol. 137; p. 91.
- Cleary, E. F., Scranton, Pa. Window-shade. No. 907,460; Dec. 22; Sp. p. 4570; Gaz. vol. 137; p. 1836.
- Cleary, H. T., St. Louis, Mo. Electrical permutation-lock system. No. 893,902; July 21; Sp. p. 3177; Dr. pp. 653-4; Gaz. vol. 135; p. 559.
- Cleavland, C. M., assignor of one-half to F. A. Hecker, Wausau, Wis. Attachment for gas-stoves. No. 893,446; July 14; Sp. p. 2136; Dr. p. 448; Gaz. vol. 135; p. 379.
- Clegg, A., Christchurch, New Zealand. Means for preventing horses' front legs from knocking together. No. 901,592; Oct. 20; Sp. p. 3201; Dr. p. 655; Gaz. vol. 136; p. 1634.
- Cleghorn, E. D., Old Trafford, England, assignor to Boston Bolt Company, Boston, Mass. Screwing-die and tap-spindle. No. 907,741; Dec. 29; Sp. p. 5180; Gaz. vol. 137; p. 1957.
- Cleland, E. A., Lynchburg, Va. Pipe-coupling. No. 893,785; July 21; Sp. p. 2936; Dr. p. 601; Gaz. vol. 135; p. 521.
- Cleland, J. W., Brooklyn, N. Y. Floor-covering. No. 907,742; Dec. 29; Sp. p. 5181; Gaz. vol. 137; p. 1957.
- Cleland, T. J., Chicago, Ill. Switch-box. No. 884,466; Apr. 14; Sp. p. 1611; Dr. p. 348; Gaz. vol. 133; p. 1480.
- Clemans, W. M., Wheeling, W. Va. Touch-adjusting mechanism for piano-keys. No. 882,814; Mar. 24; Sp. p. 4615; Dr. p. 984; Gaz. vol. 133; p. 855.
- Clemens, H. A., Lederachsville, Pa. Apparatus for checking and unchecking horses. No. 897,875; Sept. 8; Sp. p. 1293; Dr. p. 276; Gaz. vol. 136; p. 256.
- Clemens, H. A. (See Watson, H., assignor.)
- Clement, A. A., assignor to American Wire Fence Company, Chicago, Ill. Reinforcement for concrete columns. No. 904,841; Nov. 24; Sp. p. 4760; Gaz. vol. 137; p. 854.
- Clement, B. E., Humboldt, Tenn. Gun-cleaning rod. No. 886,188; Apr. 28; Sp. p. 5174; Dr. p. 1089; Gaz. vol. 133; p. 2101.
- Clement, C. P., Liege, Belgium. Automatic pistol. No. 885,436; Apr. 21; Sp. p. 3632; Dr. pp. 761-2; Gaz. vol. 133; p. 1828.
- Clement, E. E., Washington, D. C. Telephone and circuits therefor. No. 887,998; May 19; Sp. p. 3374; Dr. p. 709; Gaz. vol. 134; p. 606.
- Clement, G. L., Portland, Oreg. Safety-shoe for loggers. No. 901,880; Oct. 20; Sp. p. 3782; Dr. p. 769; Gaz. vol. 136; p. 1727.
- Clement, R. B., Crayne, assignor of one-half to T. H. Cochran and W. D. Crowell, Marion, Ky. Ash-scoop. No. 904,756; Nov. 24; Sp. p. 4656; Gaz. vol. 137; p. 825.
- Clement, W., Traverse City, Mich. Railway cross-tie. No. 897,819; Sept. 1; Sp. p. 1175; Dr. p. 249; Gaz. vol. 136; p. 185.
- Clement, W. M., Aurora, S. D. Shoeing-harness. No. 878,347; Feb. 4; Sp. p. 924; Dr. p. 184; Gaz. vol. 132; p. 998.
- Clements, B., Crookston, Minn. Ditching-machine. No. 898,557; Sept. 15; Sp. p. 2660; Dr. pp. 568-9; Gaz. vol. 136; p. 488.
- Clements, C. J., New York, N. Y. Expansion-bolt. No. 906,510; Dec. 15; Sp. p. 2713; Gaz. vol. 137; p. 1492.
- Clements, E. F., et al., trustees. (See Whitehorn, W. R., assignor.)
- Clements, G. H., Chicago, Ill. Sprayer attachment for furnaces. No. 881,549; Mar. 10; Sp. p. 2097; Dr. p. 458; Gaz. vol. 133; p. 381.
- Clementson, J. M. (See Magnett and Clementson.)
- Clemetson, H. P., Ashford, England. Chair-bed, couch, stretcher, &c. No. 879,442; Feb. 18; Sp. p. 3182; Dr. p. 662; Gaz. vol. 132; p. 1428.
- Clemons, M. C., assignor of two-thirds to W. E. Williams and C. J. Dickinson, Denver, Colo. Attachment for rocking-chairs. No. 888,224; May 19; Sp. p. 3790; Dr. p. 796; Gaz. vol. 134; p. 678.
- Clemons, M. C., assignor of two-thirds to C. J. Dickinson and W. E. Williams, Denver, Colo. Attachment for rocking-chairs. No. 888,387; May 19; Sp. p. 4101; Dr. pp. 865-6; Gaz. vol. 134; p. 730.
- Clemow, W., Carbondale, Pa. Excavating-machine. No. 896,892; Aug. 25; Sp. p. 4235; Dr. p. 905; Gaz. vol. 135; p. 1654.
- Clendennin, M. S., Mexico, Mo. Bandage. No. 880,718; Mar. 3; Sp. p. 455; Dr. p. 96; Gaz. vol. 133; p. 80.
- Cleminin, S., Bawlf, Alberta, Canada. Threshing-machine. No. 904,408; Nov. 17; Sp. p. 3834; Gaz. vol. 137; p. 632.
- Clerk, D., Little Woolpits, England. Internal-combustion engine. No. 896,893; Aug. 25; Sp. p. 4236; Dr. pp. 906-7; Gaz. vol. 135; p. 1654.
- Clerke, E. M., Hillsdale, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Box-sealing device. No. 907,008; Dec. 15; Sp. p. 3636; Gaz. vol. 137; p. 1647.
- Cleveland, A., Newark, N. J. Apparatus or machine for stretching leather, hides, or skins. No. 901,324; Oct. 20; Sp. p. 2594; Dr. pp. 533-4; Gaz. vol. 136; p. 1543.
- Cleveland, A., Newark, N. J. Tree and plant irrigator. No. 903,452; Nov. 10; Sp. p. 1825; Gaz. vol. 137; p. 332.
- Cleveland, A. J., and F. S. Brown, Minneapolis, Kans. Electric signal. No. 884,129; Apr. 7; Sp. p. 975; Dr. p. 202; Gaz. vol. 133; p. 1342.
- Cleveland Armature Works. (See Pifer, A. A., assignor.)
- Cleveland Cartridge and Target Co. (See Haughwout, J. W., assignor.)
- Cleveland, F. A., New York, N. Y. Rotary engine. No. 876,691; Jan. 14; Sp. p. 2078; Dr. pp. 451-2; Gaz. vol. 132; p. 367.
- Cleveland, F. A., New York, N. Y. Rotary engine. No. 889,583; June 2; Sp. p. 782; Dr. p. 178; Gaz. vol. 134; p. 1183.
- Cleveland Folding Machine Company. (See Johnson, O. W., assignor.)
- Cleveland, G. E., Greenfield, Ind. Glass-feeding apparatus for tanks, pots, and similar receptacles. No. 901,881; Oct. 20; Sp. p. 3784; Dr. p. 769; Gaz. vol. 136; p. 1727.
- Cleveland Hardware Company. (See Hickok, L. E., assignor.)
- Cleveland Hardware Company. (See Martell, H. C., assignor.)
- Cleveland High Frequency Company. (See Ruprecht, C. C., assignor.)
- Cleveland Pneumatic Tool Company. (See Greve and Richards, assignors.)
- Cleveland Pneumatic Tool Company. (See Richards, C. B., assignor.)
- Cleveland Steel Tool Company. (See Doolittle, J. F., assignor.)
- Cleveland Stone Company. (See Sterling, D. I., assignor.)
- Cleveland Twist Drill Company. (See Peck, E. C., assignor.)
- Cleveland, W. B., assignor to Electric Railway Improvement Company, Cleveland, Ohio. Mold for casting rail-bond terminals. No. 901,227; Oct. 13; Sp. p. 2376; Dr. p. 496; Gaz. vol. 136; p. 1475.
- Cleveland, W. E., assignor to National Piano Player Company, Oregon, Ill. Note-sheet-feed mechanism for musical instruments. No. 888,587; May 26; Sp. p. 4525; Dr. p. 960; Gaz. vol. 134; p. 829.
- Cleveland, W. N., Dover, Ky. Device to prevent horse motion in carts. No. 894,603; July 28; Sp. p. 4648; Dr. p. 964; Gaz. vol. 135; p. 810.
- Clevenger, G. H., Palo Alto, Cal., assignor to Butters Patent Vacuum Filter Company, Inc. Filter-frame. No. 896,436; Aug. 18; Sp. p. 3299; Dr. p. 709; Gaz. vol. 135; p. 1482.
- Clever, R. H. (See Lindeman, B. T., assignor.)
- Cleverdon, C. C., Grand Rapids, assignor to Sheffield Car Company, Three Rivers, Mich. Velocipede. No. 907,743; Dec. 29; Sp. p. 518; Gaz. vol. 137; p. 1957.
- Clewer, J. H. (See Neville, Clay, and Clewer.)
- Cliff, G. H., Philadelphia, Pa. Paper-clip. No. 903,173; Nov. 3; Sp. p. 1269; Gaz. vol. 137; p. 240.
- Cliff, I. S., assignor to De Long Hook and Eye Company, Philadelphia, Pa. Separable garment-fastener. No. 890,608; June 16; Sp. p. 2860; Dr. p. 630; Gaz. vol. 134; p. 1576.
- Clifford, C. W., Trenton, N. J. Electrical contact terminal. No. 891,039; June 16; Sp. p. 3758; Dr. p. 820; Gaz. vol. 134; p. 1719.
- Clifford, H., New London, Conn., assignor to R. Clifford, Monson, Mass. Vehicle-wheel. No. 898,436; Sept. 15; Sp. p. 2421; Dr. p. 518; Gaz. vol. 136; p. 450.

Alphabetical list of patentees—Continued.

- Clifford, P., assignor of one-half to D. J. Corbett, Buffalo, N. Y. Cushioned horseshoe. No. 896,894; Aug. 25; Sp. p. 4239; Dr. p. 907; Gaz. vol. 135; p. 1654.
- Clifford, R. (See Clifford, H., assignor.)
- Clifford, W., Duluth, Minn., and W. Ferris, Milwaukee; said Ferris assignor to Bucyrus Company, South Milwaukee, Wis. Dumping mechanism for dipper-dredges. No. 889,202; June 2; Sp. p. 25; Dr. pp. 6-7; Gaz. vol. 134; p. 1062.
- Clifford, W. E., assignor to Draper Company, Hopedale, Mass. Apparatus for venting cores. No. 893,569; July 14; Sp. p. 2426; Dr. p. 505; Gaz. vol. 135; p. 419.
- Clifford, W. P., Moravia, Iowa. Ore separating and concentrating machine. No. 895,725; Aug. 11; Sp. p. 1906; Dr. p. 404; Gaz. vol. 135; p. 1232.
- Clift, R. M., Woodridge, D. C. Device for removing green corn from the cob. No. 903,056; Nov. 3; Sp. p. 1053; Gaz. vol. 137; p. 172.
- Clifton, C. C., assignor of one-half to T. E. Picotte, Hailey, Idaho. Revolving lamp. No. 898,322; Sept. 8; Sp. p. 2186; Dr. p. 464; Gaz. vol. 136; p. 378.
- Clifton, J. (See Clifton, L. R., assignor.)
- Clifton, J. A., Orangeburg, S. C. Medicine-dropper. No. 889,203; June 2; Sp. p. 28; Dr. p. 7; Gaz. vol. 134; p. 1062.
- Clifton, L. R., assignor of one-half to J. Clifton, Lawrenceburg, Tenn. Combined sickle-bar and cutter. No. 884,897; Apr. 14; Sp. p. 2504; Dr. p. 529; Gaz. vol. 133; p. 1621.
- Clifton, P. L., assignor to Pomeroy Salt Association Company, Pomeroy, Ohio. Manufacturing salt. No. 895,726; Aug. 11; Sp. p. 1908; Dr. p. 405; Gaz. vol. 135; p. 1233.
- Clifton, P. L., assignor to Pomeroy Salt Association Company, Pomeroy, Ohio. Manufacturing salt. No. 903,357; Nov. 10; Sp. p. 1638; Gaz. vol. 137; p. 300.
- Clifton, P. L., assignor to Pomeroy Salt Association Company, Pomeroy, Ohio. Salt-making machinery. No. 903,358; Nov. 10; Sp. p. 1640; Gaz. vol. 137; p. 301.
- Clifton, W. H. J., assignor of one-half to F. Hollander, Westpoint, Tenn. Rail-chair. No. 887,736; May 12; Sp. p. 2832; Dr. p. 599; Gaz. vol. 134; p. 491.
- Climax Hoist Company. (See Bur, H. J., assignor.)
- Cline, C. H., Huntington, Ind. Load-binder for hay-racks. No. 886,479; May 5; Sp. p. 275; Dr. p. 58; Gaz. vol. 134; p. 50.
- Cline, G. W., Sandpoint, Idaho. Cattle-guard. No. 904,045; Nov. 17; Sp. p. 3064; Gaz. vol. 137; p. 557.
- Cline, G. W., Amalie, assignor of one-half to J. W. Riedeman, Los Angeles, Cal. Ear-trumpet. No. 888,144; May 19; Sp. p. 3646; Dr. p. 764; Gaz. vol. 134; p. 652.
- Cline, H., Idaville, Pa. Pump. No. 890,962; June 16; Sp. p. 3624; Dr. p. 788; Gaz. vol. 134; p. 1693.
- Cline, W. A., Munhall, Pa. Railway-tie and rail-fastening. No. 898,323; Sept. 8; Sp. p. 2188; Dr. p. 464; Gaz. vol. 136; p. 379.
- Cline, W. H., Elkhart, Ind. Ventilating device for water-closets. No. 908,393; Dec. 29; Sp. p. 6557; Gaz. vol. 137; p. 2177.
- Cline, W. R. (See Baldwin, C. H., assignor.)
- Clingen, W. C., Lake Bluff, assignor to Fireless Cooker Company, Chicago, Ill. Fireless cooker. No. 876,858; Jan. 14; Sp. p. 2365; Dr. p. 518; Gaz. vol. 132; p. 418.
- Clinker, R. C., Rugby, England, assignor to General Electric Company. Regulation of dynamo-electric machines. No. 895,965; Aug. 11; Sp. p. 2384; Dr. p. 508; Gaz. vol. 135; p. 1308.
- Clinton Specialty Manufacturing Company. (See McCarty, E. J., assignor.)
- Clinton Wire Cloth Company. (See Smith, H. L., assignor.)
- Clipfel, J., Maubeuge, France. Multiplex press. No. 900,147; Oct. 6; Sp. p. 154; Dr. p. 32; Gaz. vol. 136; p. 1098.
- Clipper Plow Company. (See Klenk, G., assignor.) (Reissue.)
- Clisbee, C. E., Revere, Mass. Tank for holding hot liquids. No. 898,186; Sept. 8; Sp. p. 1943; Dr. p. 415; Gaz. vol. 136; p. 337.
- Clisb, T., Lynn, Mass. Foldable feed-bag. No. 878,120; Feb. 4; Sp. p. 456; Dr. p. 97; Gaz. vol. 132; p. 922.
- Clites, W. H., Emerson, Iowa. Metal-shears. No. 900,983; Oct. 13; Sp. p. 1942; Dr. p. 395; Gaz. vol. 136; p. 1399.
- Cloak, W. H., Philadelphia, Pa. Train-pipe coupling. No. 908,074; Dec. 29; Sp. p. 5863; Gaz. vol. 137; p. 2066.
- Cloet, A. A., Union Hill, Ill. Incubator. No. 901,153; Oct. 13; Sp. p. 2252; Dr. p. 458; Gaz. vol. 136; p. 1453.
- Clohessey, M. P. (See Sager, M. L., assignor.)
- Clohege, J. B. H., Bordeaux, France. Automatic control apparatus. No. 888,961; May 26; Sp. p. 5333; Dr. p. 1132; Gaz. vol. 134; p. 952.
- Clopton, W. G., assignor of one-half to J. C. Moser, Baltimore, Md. Low-cut shoe. No. 876,897; Jan. 14; Sp. p. 2457; Dr. p. 536; Gaz. vol. 132; p. 433.
- Close, C. F. (See Crise, L., assignor.)
- Close, E. C. L., London, England. Fireplace or stove. No. 876,692; Jan. 14; Sp. p. 2081; Dr. p. 452; Gaz. vol. 132; p. 368.
- Close, W. R. (See Bowers and Close.)
- Clossey, L. J., Montpelier, Vt. Power-hammer frame. No. 882,492; Mar. 17; Sp. p. 3955; Dr. pp. 845-6; Gaz. vol. 133; p. 716.
- Clotz, F. E., Menominee, Mich. Projectile. No. 906,771; Dec. 15; Sp. p. 3205; Gaz. vol. 137; p. 1575.
- Cloud, A. D., *et al.* (See Latimer, J. B., assignor.) (Reissue.)
- Cloud, A. D., Chicago, Ill. Switch-point lock. No. 905,499; Dec. 1; Sp. p. 795; Gaz. vol. 137; p. 1109.
- Cloud, G. K., Mobile, Ala. Net-casting apparatus. No. 876,148; Jan. 7; Sp. p. 903; Dr. p. 195; Gaz. vol. 132; p. 153.
- Cloud, J. W., London, England, assignor to Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 893,307; July 14; Sp. p. 1851; Dr. p. 387; Gaz. vol. 135; p. 334.
- Cloud, J. W., London, England, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Graduating relief-valve. No. 895,341; Aug. 4; Sp. p. 1135; Dr. pp. 238-9; Gaz. vol. 135; p. 1083.
- Clough, E. S., Seattle, Wash. Anchor-projectile. No. 890,499; June 9; Sp. p. 2613; Dr. p. 579; Gaz. vol. 134; p. 1507.
- Clough, H. H., Elyria, Ohio. Rail-fastening for concrete railway-ties. No. 882,050; Mar. 17; Sp. p. 3153; Dr. p. 670; Gaz. vol. 133; p. 573.
- Clough, H. H., Elyria, Ohio. Concrete railway-tie. No. 882,051; Mar. 17; Sp. p. 3155; Dr. p. 670; Gaz. vol. 133; p. 573.
- Clough, H. P., Providence, R. I. Hoisting apparatus. No. 886,113; Apr. 28; Sp. p. 5036; Dr. p. 1058; Gaz. vol. 133; p. 2076.
- Clough, J. (See Willette, C. W., assignor.)
- Clouse, J. W., Washington, D. C. Note-sheet for autopneumatic piano-players. No. 889,204; June 2; Sp. p. 29; Dr. p. 8; Gaz. vol. 134; p. 1062.
- Clouser, S. F., Brooklyn, N. Y. Belt-chain. No. 893,607; July 21; Sp. p. 2503; Dr. p. 521; Gaz. vol. 135; p. 461.
- Clouser, S. F., Brooklyn, N. Y., assignor to New York Link Belt Chain Company. Drive-chain. No. 895,727; Aug. 11; Sp. p. 1910; Dr. p. 405; Gaz. vol. 135; p. 1233.
- Clove, J., Pendleton, Oreg. Automatic leveling combined harvester. No. 905,985; Dec. 8; Sp. p. 1723; Gaz. vol. 137; p. 295.
- Clover, G. C., Charlevoix, Mich. Railway-spike. No. 875,779; Jan. 7; Sp. p. 200; Dr. p. 43; Gaz. vol. 132; p. 37.
- Clover Manufacturing Company. (See Gallaher, E. B., assignor.)
- Clovis, E. F. (See Gage, E. C., assignor.)
- Cloyd, D. C. (See Buercklin, S. W., assignor.)
- Cloyd, H. C., Union City, Ind. Traction-wheel. No. 899,954; Sept. 29; Sp. p. 5412; Dr. p. 1154; Gaz. vol. 136; p. 1005.
- Cluff Brothers. (See Quinn, M. J., assignor.)
- Clugston, C. E., Bigsby, Nebr. Hay-loader. No. 883,087; Mar. 24; Sp. p. 5150; Dr. pp. 1099-1100; Gaz. vol. 133; p. 944.
- Clulue, S. J., Attleboro, Mass., assignor to Bay State Optical Company. Eyeglass-hook. No. 895,074; Aug. 4; Sp. p. 595; Dr. p. 123; Gaz. vol. 135; p. 992.
- Cluxton, M. W., Chicago, Ill. Metal sheet-piling. No. 878,773; Feb. 11; Sp. p. 1865; Dr. p. 385; Gaz. vol. 132; p. 1173.
- Cly, J. H., New Portage, Ohio. Window-shade trimmer. No. 906,387; Dec. 8; Sp. p. 2478; Gaz. vol. 137; p. 1426.
- Clyde Iron Works. (See McGiffert, J. R., assignor.)
- Clymans, E. G., and A. M. Hess, assignors to Geiser Manufacturing Company, Waynesboro, Pa. Straw-stacker. No. 901,884; Oct. 20; Sp. p. 3792; Dr. p. 772; Gaz. vol. 136; p. 1728.
- Clymans, E. G., and M. A. Flautt, assignors to Geiser Manufacturing Company, Waynesboro, Pa. Straw-stacker. No. 901,882; Oct. 20; Sp. p. 3786; Dr. pp. 770-1; Gaz. vol. 136; p. 1727.
- Clymans, E. G., and M. A. Flautt, assignors to Geiser Manufacturing Company, Waynesboro, Pa. Chaff-separator. No. 901,883; Oct. 20; Sp. p. 3791; Dr. p. 771; Gaz. vol. 136; p. 1728.
- Clynick, G. H. (See Lawrence, F. W., assignor.)
- Coachman, J. J., London, England. Electric time-switch. No. 884,130; Apr. 7; Sp. p. 977; Dr. p. 203; Gaz. vol. 133; p. 1342.
- Coad, R. E., Omaha, Nebr. Lumber-loading device. No. 884,642; Apr. 14; Sp. p. 2003; Dr. p. 429; Gaz. vol. 133; p. 1537.
- Coal and Coke By-Products Company. (See Ernst, A., assignor.)
- Coal and Coke By-Products Company. (See Rothberg, M. E., assignor.)
- Coal Treating Co. (See Bloss, N. W., assignor.)
- Coal Treating Co. (See Williams, H. J., assignor.)
- Coale, H. (See Serra, (y Carbó), J., assignor.)
- Coan, J. (See Forster and Coan.)
- Coates, G. H., Worcester, Mass. Flexible shaft. No. 890,336; June 9; Sp. p. 2320; Dr. p. 512; Gaz. vol. 134; p. 1456.

Alphabetical list of patentees—Continued.

- Coates, G. H., Worcester, Mass. Flexible shaft. No. 897,349; Sept. 1; Sp. p. 203; Dr. p. 43; Gaz. vol. 136; p. 31.
 Coates, G. H., Worcester, Mass. Massaging implement. No. 906,772; Dec. 15; Sp. p. 3206; Gaz. vol. 137; p. 1575.
 Coates, L. R., Baltimore, Md., assignor to American Bacteriaized Fertilizer Company. Fertilizer. No. 899,155; Sept. 22; Sp. p. 3780; Gaz. vol. 136; p. 710.
 Coates, L. R., Baltimore, Md.; assignor to American Bacteriaized Fertilizer Company. Fertilizer. No. 900,056; Sept. 29; Sp. p. 5646; Gaz. vol. 136; p. 1039.
 Coates, O., Christchurch, New Zealand. Shifting point for tram-lines. No. 897,061; Aug. 25; Sp. p. 4628; Dr. p. 985; Gaz. vol. 135; p. 1712.
 Coates, R., Washington, D. C. Horse-detacher. No. 884,795; Apr. 14; Sp. p. 2325; Dr. p. 489; Gaz. vol. 133; p. 1589.
 Coates, W. A., Providence, R. I. Manufacture of nose-pieces for spectacles and eyeglasses. No. 878,504; Feb. 11; Sp. p. 1309; Dr. p. 265; Gaz. vol. 132; p. 1083.
 Coates, W. A., Providence, R. I. Nose-piece for eyeglasses and spectacles. No. 890,025; June 9; Sp. p. 1659; Dr. p. 369; Gaz. vol. 134; p. 1353.
 Coats, A. W., assignor to R. M. Thompson, Tacoma, Wash. Folding crate. No. 875,780; Jan. 7; Sp. p. 201; Dr. p. 43; Gaz. vol. 132; p. 37.
 Coats, F. R., Springfield, Ill. Jewel and pivot gage. No. 885,838; Apr. 28; Sp. p. 4468; Dr. p. 938; Gaz. vol. 133; p. 1986.
 Coats, M. C., Marysville, Cal. Load-indicator for railway-cars. No. 890,719; Mar. 3; Sp. p. 456; Dr. p. 96; Gaz. vol. 133; p. 80.
 Cobb, A. E. (See Parker and Cobb.)
 Cobb, A. M., Lynn, Mass. Telephone apparatus. No. 894,257; July 28; Sp. p. 3946; Dr. p. 813; Gaz. vol. 135; p. 696.
 Cobb, A. M., Lynn, Mass. Telephone apparatus. No. 894,258; July 28; Sp. p. 3948; Dr. p. 813; Gaz. vol. 135; p. 697.
 Cobb, H. F., Cleveland, Ohio. Corrugating sheet metal. No. 883,788; Apr. 7; Sp. p. 212; Dr. p. 39; Gaz. vol. 133; p. 1228.
 Cobb, J. C., Washington, D. C. Loading apparatus. No. 881,774; Mar. 10; Sp. p. 2536; Dr. p. 546; Gaz. vol. 133; p. 453.
 Cobb, L. H., assignor to M. E. Johnson, trustee, Fitchburg, Mass. Safety-razor. No. 890,406; June 9; Sp. p. 2444; Dr. p. 540; Gaz. vol. 134; p. 1477.
 Cobb, L. H., assignor to M. E. Johnson, trustee, Fitchburg, Mass. Safety-razor. No. 903,957; Nov. 17; Sp. p. 2891; Gaz. vol. 137; p. 528.
 Cobb, L. N. (See Ball and Cobb.)
 Cobb, R. R. (See Greene, G. W., assignor.)
 Cobb, W. S., Flushing, N. Y. Sound-regulator. No. 906,388; Dec. 8; Sp. p. 2479; Gaz. vol. 137; p. 1426.
 Cobbett, C. A., Newton, Mass. Carding-machine cylinder and clothing therefor. No. 878,348; Feb. 4; Sp. p. 926; Dr. p. 184; Gaz. vol. 132; p. 998.
 Coburn, C. G. (See Whinnery, H. P., assignor.)
 Coburn, E. R., Bluffton, Ohio. Waterproof dressing for boots and shoes. No. 881,901; Mar. 17; Sp. p. 2834; Gaz. vol. 133; p. 525.
 Coburn, G. E., et al. (See Holmes, E. E., assignor.)
 Coburn, H. L., Boston, Mass. Bridge-dam. No. 900,354; Oct. 6; Sp. p. 589; Dr. p. 122; Gaz. vol. 136; p. 1165.
 Cochran, C. M., Emporia, Kans., assignor to W. S. Thomas, Springfield, Ohio. Grain-shocker. No. 882,052; Mar. 17; Sp. p. 3155; Dr. pp. 670-1; Gaz. vol. 133; p. 573.
 Cochran, C. R., Meeteetse, Wyo. Toy pistol. No. 907,461; Dec. 22; Sp. p. 4571; Gaz. vol. 137; p. 1837.
 Cochran, E. J. (See Lincoln, W., assignor.)
 Cochran, E. J., Sterling, Ill. Chimney-cap fastening. No. 885,321; Apr. 21; Sp. p. 3412; Dr. p. 713; Gaz. vol. 133; p. 1792.
 Cochran, E. J., Sterling, Ill. Chute. No. 890,218; June 9; Sp. p. 2053; Dr. p. 451; Gaz. vol. 134; p. 1417.
 Cochran, J. A. (See Meister and Cochran.)
 Cochran, J. E. (See McCabe, H. B., assignor.)
 Cochran, J. E. (See Ostendorf, L. C., assignor.)
 Cochran, J. K., Chicago, Ill. Friction-gearing. No. 888,225; May 19; Sp. p. 3791; Dr. p. 796; Gaz. vol. 134; p. 679.
 Cochran, J. M., Paducah, Ky. Pipe-wrench. No. 885,322; Apr. 21; Sp. p. 3414; Dr. p. 713; Gaz. vol. 133; p. 1793.
 Cochran, M. A., Los Angeles, Cal. Supporting-pin. No. 895,728; Aug. 11; Sp. p. 1912; Dr. p. 406; Gaz. vol. 135; p. 1233.
 Cochran, M. C., Cottage Grove, Oreg. Making half-tone cuts. No. 878,505; Feb. 11; Sp. p. 1311; Gaz. vol. 132; p. 1084.
 Cochran, T. H., et al. (See Clement, R. B., assignor.)
 Cochrane, A., Lowell, Mass. Electric stop-motion for motors and signal for the same. No. 897,350; Sept. 1; Sp. p. 204; Dr. p. 43; Gaz. vol. 136; p. 31.
 Cochrane, A. P. (See Doney and Cochrane.)
 Cochrane, H. F. (See Hetzel and Cochrane.)
 Cochrane, J. N., Kettering, England. Stretcher or filler for boots, shoes, leggings, &c. No. 899,444; Sept. 22; Sp. p. 4325; Dr. p. 929; Gaz. vol. 136; p. 801.
 Cockburn Barrow & Machine Company. (See Scott, J. A., assignor.)
 Cockerill, L., Richmond, Ind. Storm-front. No. 879,945; Feb. 25; Sp. p. 4264; Dr. p. 891; Gaz. vol. 132; p. 1627.
 Cocking, A. T., Four Oaks, near Birmingham, England. Smokeless powder. No. 903,958; Nov. 17; Sp. p. 2892; Gaz. vol. 137; p. 528.
 Cocklin, S. G. (See Spera and Cocklin.)
 Cockrell, S. (See Crump, T. J., assignor.)
 Cockroft, J. F., San Francisco, Cal. Envelop. No. 898,967; Sept. 15; Sp. p. 3415; Dr. p. 733; Gaz. vol. 136; p. 621.
 Coder, H. C., Kansas City, Mo. Current-motor. No. 897,876; Sept. 8; Sp. p. 1294; Dr. p. 277; Gaz. vol. 136; p. 256.
 Coderre, S., Holyoke, Mass. Cleaner for rolls. No. 901,783; Oct. 20; Sp. p. 3618; Dr. p. 732; Gaz. vol. 136; p. 1697.
 Cody, A. D., et al. (See Thomson and Cody, assignors.)
 Cody, R. D. (See Thomson and Cody.)
 Coe, A. I., New York, N. Y. Packing-case for hats. No. 885,979; Apr. 28; Sp. p. 4764; Dr. pp. 1000-1; Gaz. vol. 133; p. 2033.
 Coe Brass Manufacturing Company. (See Benjamin, G. H., assignor.)
 Coe Brass Manufacturing Company. (See Higgins, H. A., assignor.)
 Coe Brass Manufacturing Company. (See Morse, A. J., assignor.)
 Coe Brass Manufacturing Company. (See Wood, W. A., assignor.)
 Coe, C. A., Jr., Oshkosh, Wis. Veterinary remedy. No. 886,946; May 5; Sp. p. 1211; Gaz. vol. 134; p. 201.
 Coe, C. E., New Haven, Conn. Faucet. No. 900,984; Oct. 13; Sp. p. 1943; Dr. p. 396; Gaz. vol. 136; p. 1399.
 Coe, E. R. (See Struble and Coe.)
 Coe, E. R., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Electric signaling system. No. 898,324; Sept. 8; Sp. p. 2190; Dr. p. 465; Gaz. vol. 136; p. 379.
 Coe, M., and R. Glass, Seneca, Ohio. Torpedo-placer. No. 899,826; Sept. 29; Sp. p. 5138; Dr. p. 1099; Gaz. vol. 136; p. 964.
 Coe, M. E. (See Lovett and Coe.)
 Coenen, J. L., Little Chute, Wis. Hydraulic pressing device for application to the press-rolls of pulp or paper making machines. No. 900,985; Oct. 13; Sp. p. 1944; Dr. p. 396; Gaz. vol. 136; p. 1399.
 Coes, H. V. (See Howard and Coes.)
 Coes Wrench Company. (See Searle, F., assignor.)
 Coesfeld, W. (See Strand, Haugen, Coesfeld, and Fischrupp.)
 Coesir, J. L., Joplin, Mo. Pneumatic tire. No. 904,409; Nov. 17; Sp. p. 3836; Gaz. vol. 137; p. 682.
 Coffee, B. M., assignor to one-fourth to W. J. Whitehurst, Richmond, Va. Variable-speed gearing. No. 879,086; Feb. 11; Sp. p. 2458; Dr. p. 512; Gaz. vol. 132; p. 1270.
 Coffey, I. M., Payette, Idaho. Spike-extractor and jack. No. 892,365; June 30; Sp. p. 6425; Dr. p. 1387; Gaz. vol. 134; p. 2217.
 Coffey, N. F., Black Rock, Ark. Six-wheeled logging-automobile. No. 882,998; Mar. 24; Sp. p. 4988; Dr. pp. 1060-1; Gaz. vol. 133; p. 915.
 Coffield, P. T., Dayton, Ohio. Rotary pressure-motor. No. 902,054; Oct. 27; Sp. p. 4160; Dr. p. 842; Gaz. vol. 136; p. 1813.
 Coffield, P. T., assignor to P. T. Coffield & Son, Dayton, Ohio. Rotary water-pressure motor. No. 878,044; Feb. 4; Sp. p. 310; Dr. p. 65; Gaz. vol. 132; p. 898.
 Coffield & Son, P. T. (See Coffield, P. T., assignor.)
 Coffin, E. C., Cointon, Ga. Whiffletree attachment. No. 884,715; Apr. 14; Sp. p. 2154; Dr. p. 458; Gaz. vol. 133; p. 1562.
 Coffin, E. M., Oakland, Cal. Electric switch. No. 881,300; Mar. 10; Sp. p. 1623; Dr. p. 347; Gaz. vol. 133; p. 302.
 Coffin, E. M., Oakland, Cal. Electric switch. (Reissue.) No. 12,841; Aug. 11; Sp. p. 2586; Dr. p. 560; Gaz. vol. 135; p. 1344.
 Coffin, H. A., Malden, Mass. Outlet-box. No. 901,593; Oct. 20; Sp. p. 3202; Dr. p. 656; Gaz. vol. 136; p. 1634.
 Coffin, H. E., Detroit, Mich. Running-board for automobiles. No. 890,963; June 16; Sp. p. 3625; Dr. p. 788; Gaz. vol. 134; p. 1693.
 Coffin, H. E., Detroit, Mich. Lever-locking means. No. 890,964; June 16; Sp. p. 3626; Dr. p. 789; Gaz. vol. 134; p. 1694.
 Coffin, H. E., assignor to Olds Motor Works, Lansing, Mich. Brake mechanism. No. 878,506; Feb. 11; Sp. p. 1311; Dr. p. 265; Gaz. vol. 132; p. 1084.
 Coffin, J. G., Worcester, assignor to one-half to W. P. Kidder, Boston, Mass. Fountain-pen. No. 896,086; Aug. 18; Sp. p. 2611; Dr. p. 566; Gaz. vol. 135; p. 1370.
 Coffin Valve Company. (See Adams and Kragh, assignors.)
 Coffman, C. R., assignor to D. S. Thomas, Bridgewater, Va. Plow. No. 878,774; Feb. 11; Sp. p. 1867; Dr. p. 385; Gaz. vol. 132; p. 1173.
 Coffman, J. H., Manhattan, Kans. Sunshade. No. 885,438; Apr. 21; Sp. p. 3640; Dr. p. 764; Gaz. vol. 133; p. 1829.

Alphabetical list of patentees—Continued.

- Coffman, J. W., Springfield, Ill. Rubbing-post. No. 905,055; Nov. 24; Sp. p. 5183; Gaz. vol. 137; p. 925.
 Coffman, S. S. (See Coffman, W. H., assignor.)
 Coffman, W. H., Bluefield, assignor of one-fourth to S. S. Coffman, Crumpler, W. Va. Railway road-bed. No. 903,174; Nov. 3; Sp. p. 1270; Gaz. vol. 137; p. 240.
 Cofield, F. L. (See Hahn, J. J., assignor.)
 Coghlan, E. M., Indianapolis, Ind. Tool for making and applying wire clamps. No. 902,804; Nov. 3; Sp. p. 521; Gaz. vol. 137; p. 91.
 Coghlan, J. M., Patchogue, N. Y. Optician's measuring instrument. No. 878,507; Feb. 11; Sp. p. 1313; Dr. p. 265; Gaz. vol. 132; p. 1084.
 Coghlin, B. J., Montreal, Quebec, Canada. Tie-plate. No. 905,847; Dec. 8; Sp. p. 1451; Gaz. vol. 137; p. 1251.
 Coglan, W. R., Oakland, Md. Broken-flange detector for car-wheels. No. 904,180; Nov. 17; Sp. p. 3365; Gaz. vol. 137; p. 605.
 Cogswell, J. D. (See Gates, Cogswell, and Grant.)
 Cogswell, J. H., Havana, Ill. Internal-combustion engine. No. 892,501; July 7; Sp. p. 222; Dr. pp. 46-7; Gaz. vol. 135; p. 41.
 Cogswell, L. W., and J. D. Abel, Taylorville, Ill. Miner's cap and lamp. No. 897,588; Sept. 1; Sp. p. 713; Dr. p. 150; Gaz. vol. 136; p. 113.
 Cohee, C. C., Indianapolis, Ind. Gate. No. 884,467; Apr. 14; Sp. p. 1613; Dr. p. 348; Gaz. vol. 133; p. 1480.
 Cohen, A., New York, N. Y. Soup-plate. No. 879,364; Feb. 18; Sp. p. 3004; Dr. p. 628; Gaz. vol. 132; p. 1403.
 Cohen, B., New York, N. Y. Form for animal-heads. No. 903,673; Nov. 10; Sp. p. 2283; Gaz. vol. 137; p. 402.
 Cohen, B., assignor of one-half to W. Wear, Butte, Mont. Mail-bag deliverer and receiver. No. 892,582; July 7; Sp. p. 359; Dr. p. 79; Gaz. vol. 135; p. 67.
 Cohen, B., and W. Epstein, New York, N. Y. Skirt. No. 887,589; May 12; Sp. p. 2557; Dr. p. 539; Gaz. vol. 134; p. 441.
 Cohen, D. H., New York, N. Y. Check-protector. No. 878,349; Feb. 4; Sp. p. 927; Dr. p. 185; Gaz. vol. 132; p. 999.
 Cohen, E., Joplin, Mo. Ore-jigger. No. 894,604; July 28; Sp. p. 4650; Dr. pp. 964-5; Gaz. vol. 135; p. 811.
 Cohen, E., Joplin, Mo. Piston. No. 895,866; Aug. 11; Sp. p. 2386; Dr. p. 508; Gaz. vol. 135; p. 1308.
 Cohen, G., Jamestown, N. Y. Poison-indicator. No. 879,740; Feb. 18; Sp. p. 3805; Dr. p. 798; Gaz. vol. 132; p. 1526.
 Cohen, H., Brooklyn, N. Y. Gaiter. No. 882,235; Mar. 17; Sp. p. 3500; Dr. p. 742; Gaz. vol. 133; p. 631.
 Cohen, H., Brooklyn, N. Y. Gaiter. No. 897,714; Sept. 1; Sp. p. 959; Dr. p. 205; Gaz. vol. 136; p. 154.
 Cohen, H., Brooklyn, N. Y. Leg-covering. No. 898,724; Sept. 15; Sp. p. 2976; Dr. p. 638; Gaz. vol. 136; p. 542.
 Cohen, H., and B. Nathan, New York, N. Y. Combination leg-covering. No. 880,358; Feb. 25; Sp. p. 5072; Dr. p. 1071; Gaz. vol. 132; p. 1761.
 Cohen, J., New York, N. Y. Clasp for hose-supporters. No. 878,350; Feb. 4; Sp. p. 929; Dr. p. 185; Gaz. vol. 132; p. 999.
 Cohen, J., New York, N. Y. Corset. No. 878,351; Feb. 4; Sp. p. 930; Dr. p. 185; Gaz. vol. 132; p. 999.
 Cohen, P., Waltham, Mass. Hose-supporter. No. 892,651; July 7; Sp. p. 503; Dr. p. 106; Gaz. vol. 135; p. 90.
 Chencius, A., New York, N. Y. Salt-shaker. No. 888,066; May 19; Sp. p. 3494; Dr. p. 732; Gaz. vol. 134; p. 627.
 Chockick, H. L. (See Callahan, A. T., assignor.)
 Cohn, A. B., New York, N. Y., assignor to A. B. C. Machine Company, Philadelphia, Pa. Power-transmitting device. No. 881,881; Mar. 10; Sp. p. 2774; Dr. p. 505; Gaz. vol. 133; p. 490.
 Cohn, J., New York, N. Y. Button-fastener. No. 903,674; Nov. 10; Sp. p. 2284; Gaz. vol. 137; p. 403.
 Cohn, J., Shepherds Bush, assignor to Nonex Safety Tank Syndicate Limited, London, England. Safety venting attachment. No. 903,841; Nov. 17; Sp. p. 2633; Gaz. vol. 137; p. 489.
 Cohn, S. (See Graetz, K., assignor.)
 Cohn, S., New York, N. Y. Machine for gathering and sewing the heads of mantles. No. 885,437; Apr. 21; Sp. p. 3635; Dr. pp. 762-3; Gaz. vol. 133; p. 1828.
 Cohn, S., New York, N. Y. Apparatus for crimping and gathering the ends of tubular fabrics. No. 887,999; May 19; Sp. p. 3377; Dr. p. 709; Gaz. vol. 134; p. 607.
 Cohn, S., New York, N. Y. Inverted incandescent gas-mantle. No. 898,437; Sept. 15; Sp. p. 2422; Dr. p. 518; Gaz. vol. 136; p. 451.
 Cohn Witney & Goldfarb. (See Zempter, G. H., assignor.)
 Cohrs, P. W., New York, N. Y. Puzzle. No. 887,590; May 12; Sp. p. 2558; Dr. p. 539; Gaz. vol. 134; p. 441.
 Coignet, E., Paris, France. Armored concrete construction. No. 905,056; Nov. 24; Sp. p. 5184; Gaz. vol. 137; p. 925.
 Coit, H. L., New London, Conn. Drill-chuck. No. 879,741; Feb. 18; Sp. p. 3807; Dr. p. 798; Gaz. vol. 132; p. 1526.
 Coit, J. J., Venice, Cal. Trolley-pole controller. No. 879,034; Feb. 11; Sp. p. 2340; Dr. pp. 489-90; Gaz. vol. 132; p. 1253.
 Coitfair, R. H., *et al.* (See Reed, F. M., assignor.)
 Cokely, E. W., Coalinga, Cal. Walking-beam truss-rod. (Reissue.) No. 12,743; Jan. 28; Sp. p. 4492; Dr. p. 978; Gaz. vol. 132; p. 821.
 Cokely, E. W., Coalinga, Cal. Friction-hoist gear. No. 903,057; Nov. 3; Sp. p. 1054; Gaz. vol. 137; p. 172.
 Coker, D. H., Piedmont, and W. A. Scarbrough, Choccolocco, Ala. Railway block-signal. No. 886,947; May 5; Sp. p. 1212; Dr. p. 256; Gaz. vol. 134; p. 201.
 Coker, D. H., Piedmont, and W. A. Scarbrough, Choccolocco, Ala. Signal. No. 898,968; Sept. 15; Sp. p. 3416; Dr. p. 734; Gaz. vol. 136; p. 622.
 Colahan, M. H., Chicago, Ill. Producing a solvent to be used in the artificial retting of bast fibrous stalks or plants. No. 897,522; Sept. 1; Sp. p. 584; Gaz. vol. 136; p. 92.
 Colbath, M. D., Hampden, Me. Carburetor. No. 883,171; Mar. 31; Sp. p. 5338; Dr. p. 1137; Gaz. vol. 133; p. 1002.
 Colbert, C. W., Fulton, Okla. Staking-tool. No. 878,775; Feb. 11; Sp. p. 1869; Dr. p. 385; Gaz. vol. 132; p. 1173.
 Colbert, L. R., Massaponax, Va. Sawing-machine. No. 877,410; Jan. 21; Sp. p. 3539; Dr. p. 766; Gaz. vol. 132; p. 644.
 Colborn, W. T., *et al.* (See Teller, J. C., assignor.)
 Colborn, Z. C., *et al.* (See Teller, J. C., assignor.)
 Colborne, O., Chicago, Ill. Pie-machine. No. 896,056; Aug. 11; Sp. p. 2550; Dr. pp. 551-2; Gaz. vol. 135; p. 1338.
 Colburn, E. A. (See Dickson, J. T., assignor.)
 Colburn, I. W., and E. Washburn, assignors to Colburn Machine Glass Company, Franklin, Pa. Process and apparatus for the continuous production of sheet-glass. No. 876,267; Jan. 7; Sp. p. 1125; Dr. pp. 244-46; Gaz. vol. 132; p. 191.
 Colburn Machine Glass Company. (See Colburn and Washburn, assignors.)
 Colburn Machine Tool Company. (See Willis, G. R., assignor.)
 Colby, E., assignor to V. C. Herzer, Milwaukee, Wis. Underskirt. No. 895,430; Aug. 11; Sp. p. 1313; Dr. p. 276; Gaz. vol. 135; p. 1136.
 Colby, F. G. (See Ohmer and Colby.)
 Colby, J. H., Luffenholtz, Cal. Relief-grip for cables. No. 899,786; Sept. 29; Sp. p. 5059; Dr. p. 1083; Gaz. vol. 136; p. 952.
 Coldwell, G. H., Rockton, Pa. Floor-jack. No. 876,693; Jan. 14; Sp. p. 2082; Dr. p. 452; Gaz. vol. 132; p. 368.
 Coldwell, H. T., Newburgh, N. Y. Speed-controlling and reversing apparatus for motor-vehicles. No. 902,558; Nov. 3; Sp. p. 47; Gaz. vol. 137; p. 9.
 Coldwell, H. T., Newburgh, N. Y. Speed-controlling and reversing apparatus. No. 902,559; Nov. 3; Sp. p. 52; Gaz. vol. 137; p. 9.
 Coldwell, H. T., Newburgh, N. Y. Speed-controlling and reversing apparatus for motor-vehicles. No. 902,560; Nov. 3; Sp. p. 56; Gaz. vol. 137; p. 10.
 Coldwell, W. H., Newburgh, N. Y. Handle-brace. No. 878,867; Feb. 11; Sp. p. 2041; Dr. p. 421; Gaz. vol. 132; p. 1203.
 Cole, A. E., Chicago, Ill. Adding-machine. No. 897,877; Sept. 8; Sp. p. 1295; Dr. pp. 277-8; Gaz. vol. 136; p. 237.
 Cole, A. L., assignor to A. D. Cladin, Newton, Mass. Car-fender. No. 879,742; Feb. 18; Sp. p. 3808; Dr. pp. 798-9; Gaz. vol. 132; p. 1526.
 Cole, A. L., Auburndale, assignor to United Copper Foundry Company, Boston, Mass. Electric contact-spring for trolley-harps. No. 901,885; Oct. 20; Sp. p. 3795; Dr. p. 772; Gaz. vol. 136; p. 1729.
 Cole, B. A., assignor of one-half to F. H. Gray, Fergus Falls, Minn. Envelop. No. 877,050; Jan. 21; Sp. p. 2820; Dr. p. 610; Gaz. vol. 132; p. 526.
 Cole, B. E., *et al.* (See Secrest, J. A., assignor.)
 Cole, C. B., Bristol, England. Edge-runner grinding or mixing mill. No. 885,723; Apr. 28; Sp. p. 4225; Dr. pp. 884-5; Gaz. vol. 133; p. 1948.
 Cole, C. E., assignor of one-half to S. A. White, Birmingham, Ala. Telephone instrument. No. 883,088; Mar. 24; Sp. p. 5152; Dr. p. 1109; Gaz. vol. 133; p. 944.
 Cole, C. M., Berkeley, Cal. Paste-tube. No. 905,986; Dec. 8; Sp. p. 1726; Gaz. vol. 137; p. 1295.
 Cole, C. S., Bridgeport, Conn. Gasoline-engine. No. 906,773; Dec. 15; Sp. p. 3208; Gaz. vol. 137; p. 1575.
 Cole, D., *et al.* (See Smith, W. C., assignor.)
 Cole, D. L., Salem, Mo. Match-box. No. 908,075; Dec. 29; Sp. p. 5866; Gaz. vol. 137; p. 2067.
 Cole, E. C., assignor to Cole Manufacturing Company, Chicago, Ill. Stove. No. 878,352; Feb. 4; Sp. p. 932; Dr. p. 185; Gaz. vol. 132; p. 999.
 Cole, E. M., Charlotte, N. C. Combined fertilizer-distributor and cultivator. No. 897,456; Sept. 1; Sp. p. 445; Dr. pp. 95-6; Gaz. vol. 136; p. 70.
 Cole, E. S., Upper Montclair, N. J. Recording device. No. 880,720; Mar. 3; Sp. p. 457; Dr. p. 96; Gaz. vol. 133; p. 80.
 Cole, E. S., Montclair, N. J. Fluid-recorder. No. 904,310; Nov. 17; Sp. p. 3651; Gaz. vol. 137; p. 650.
 Cole, F. J. (See Sague and Cole.)
 Cole, F. J., New York, N. Y. Steam-boiler superheater. No. 875,895; Jan. 7; Sp. p. 409; Dr. pp. 90-1; Gaz. vol. 132; p. 75.
 Cole, F. W. (See Milliken and Cole.)

Alphabetical list of patentees—Continued.

- Cole, F. W., Newton, Mass., assignor to Gamewell Fire-Alarm Telegraph Company, New York, N. Y. Signal-box. No. 898,095; Sept. 8; Sp. p. 1758; Dr. p. 374; Gaz. vol. 136; p. 308.
- Cole, G. W., Brooklyn, N. Y. Detachable and reversible spout or nozzle for dispensing-cans. No. 881,550; Mar. 10; Sp. p. 2098; Dr. p. 459; Gaz. vol. 133; p. 382.
- Cole, G. W., Niles, Ohio. Hardy attachment for anvils. No. 898,969; Sept. 15; Sp. p. 3418; Dr. p. 734; Gaz. vol. 136; p. 622.
- Cole, H. W. (See Ireland and Cole.)
- Cole, H. W. N., Brooklyn, N. Y. Rotary engine. No. 902,472; Oct. 27; Sp. p. 5037; Dr. p. 1019; Gaz. vol. 136; p. 1950.
- Cole, H. W. N., Brooklyn, N. Y. Rotary engine. No. 902,473; Oct. 27; Sp. p. 5039; Dr. pp. 1020-1; Gaz. vol. 136; p. 1950.
- Cole, J. H., Arkansas City, and J. R. Cole, Winfield, Kans. Air-brake coupling. No. 898,096; Sept. 8; Sp. p. 1766; Dr. p. 375; Gaz. vol. 136; p. 309.
- Cole, J. R. (See Cole, J. H. and J. R.)
- Cole, M. R., assignor of one-half to E. R. Ferguson, Shenandoah, Iowa. Cultivator. No. 890,843; June 16; Sp. p. 3353; Dr. p. 735; Gaz. vol. 134; p. 1654.
- Cole, M. R., Shenandoah, assignor to Standard Manufacturing Company, Council Bluffs, Iowa. End-gate fastener. No. 892,936; July 7; Sp. p. 1104; Dr. p. 232; Gaz. vol. 135; p. 183.
- Cole Manufacturing Company. (See Cole, E. C., assignor.)
- Cole, R. C., assignor to Johns-Pratt Company, Hartford, Conn. Inclosed fuse. No. 895,431; Aug. 11; Sp. p. 1315; Dr. p. 277; Gaz. vol. 135; p. 1136.
- Cole, R. C., assignor to Johns-Pratt Company, Hartford, Conn. Inclosed-fuse terminal. No. 895,432; Aug. 11; Sp. p. 1315; Dr. p. 277; Gaz. vol. 135; p. 1136.
- Cole, W. E., Norfolk, Va. Shaking-grate. No. 900,057; Sept. 29; Sp. p. 5647; Dr. pp. 1205-6; Gaz. vol. 136; p. 1039.
- Cole, W. H., Broken Bow, Nebr. Chicken-perch. No. 904,472; Nov. 17; Sp. p. 3966; Gaz. vol. 137; p. 703.
- Cole, W. H., Charles City, Iowa. Disk harrow. No. 906,692; Dec. 15; Sp. p. 3045; Gaz. vol. 137; p. 1548.
- Cole, W. H., assignor to Eloc Company, New York, N. Y. Uniting metals. No. 878,868; Feb. 11; Sp. p. 2043; Dr. p. 422; Gaz. vol. 132; p. 1203.
- Cole, W. H., assignor to Eloc Company, New York, N. Y. Apparatus for uniting metals. No. 878,869; Feb. 11; Sp. p. 2045; Dr. pp. 422-3; Gaz. vol. 132; p. 1203.
- Coleman, B. B., Berlin, Conn., assignor of one-half to S. J. Schack, New York, N. Y. Toy. No. 883,390; Mar. 31; Sp. p. 5800; Dr. p. 1237; Gaz. vol. 133; p. 1073.
- Coleman, B. F., and W. J. Ambros, Chicago, Ill. Lid-holder. No. 892,134; June 30; Sp. p. 5981; Dr. p. 1285; Gaz. vol. 134; p. 2141.
- Coleman, C. J., Rockaway, N. J., assignor to C. Hubert, New York, N. Y. Engine-starter. No. 887,067; May 12; Sp. p. 1456; Dr. p. 310; Gaz. vol. 134; p. 268.
- Coleman, C. J., Rockaway, N. J., assignor to C. Hubert, New York, N. Y. Engine-starter. No. 898,438; Sept. 15; Sp. p. 2423; Dr. pp. 518-19; Gaz. vol. 136; p. 451.
- Coleman, C. W., Westfield, N. J. Traction-vehicle. No. 907,462; Dec. 22; Sp. p. 4572; Gaz. vol. 137; p. 1837.
- Coleman, C. W., Westfield, N. J., assignor to Hall Signal Company. Railway-signal check. No. 881,226; Mar. 10; Sp. p. 1469; Dr. p. 315; Gaz. vol. 133; p. 277.
- Coleman, C. W., Westfield, N. J., assignor to Hall Signal Company. Railway-signal check. No. 881,301; Mar. 10; Sp. p. 1625; Dr. p. 347; Gaz. vol. 133; p. 303.
- Coleman, C. W., Westfield, N. J., assignor to Hall Signal Company. Railway-semaphore. No. 882,928; Mar. 24; Sp. p. 4856; Dr. pp. 1031-2; Gaz. vol. 133; p. 893.
- Coleman, C. W., Westfield, N. J., assignor to Hall Signal Company. Railway-semaphore. No. 882,929; Mar. 24; Sp. p. 4860; Dr. p. 1032; Gaz. vol. 133; p. 893.
- Coleman, C. W., Westfield, N. J., assignor to Hall Signal Company. Railway-semaphore. No. 882,930; Mar. 24; Sp. p. 4863; Dr. pp. 1032-3; Gaz. vol. 133; p. 894.
- Coleman, C. W., Westfield, N. J., assignor to Hall Signal Company. Three-position motor-signal. No. 907,106; Dec. 15; Sp. p. 3812; Gaz. vol. 137; p. 1678.
- Coleman, E. P., Buffalo, N. Y. Operating gas-producers. No. 888,785; May 26; Sp. p. 4951; Dr. p. 1056; Gaz. vol. 134; p. 893.
- Coleman, E. P., Buffalo, N. Y. Valve-stem packing. No. 906,199; Dec. 8; Sp. p. 2129; Gaz. vol. 137; p. 1365.
- Coleman, G. D., Brookline, assignor to E. D. Cox and J. Hollander, Boston, Mass. Paint. No. 903,675; Nov. 10; Sp. p. 2285; Gaz. vol. 137; p. 403.
- Coleman, J. D., Glenwood, Ill. Valve. No. 890,609; June 16; Sp. p. 2861; Dr. p. 630; Gaz. vol. 134; p. 1576.
- Coleman, J. H., Tottenham, Ontario, Canada. Automatic fare-collector. No. 875,781; Jan. 7; Sp. p. 203; Dr. p. 781; Gaz. vol. 132; p. 37.
- Coleman, J. P., Edgewood, assignor to Union Switch and Signal Company, Swissvale, Pa. Safety apparatus for cars or trains. No. 892,811; July 7; Sp. p. 820; Dr. p. 175; Gaz. vol. 135; p. 140.
- Coleman, J. P., Edgewood Park, assignor to Union Switch and Signal Company, Swissvale, Pa. Railway-signal. No. 898,325; Sept. 8; Sp. p. 2192; Dr. pp. 465-6; Gaz. vol. 136; p. 379.
- Coleman, J. P., New York, N. Y., assignor to Union Switch & Signal Company, Swissvale, Pa. Automatic control for railway-trains. No. 903,359; Nov. 10; Sp. p. 1642; Gaz. vol. 137; p. 301.
- Coleman, J. P., New York, N. Y., assignor to Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of railway-trains. No. 903,360; Nov. 10; Sp. p. 1645; Gaz. vol. 137; p. 302.
- Coleman, R. B., *et al.* (See English, A. L., assignor.)
- Coleman, R. F., assignor to J. W. Ringrose Net Company, Philadelphia, Pa. Cutting-machine. No. 899,860; Sept. 29; Sp. p. 5222; Dr. p. 1117; Gaz. vol. 136; p. 976.
- Coleman, T. P., New York, N. Y. Detachable saw-handle. No. 899,028; Sept. 22; Sp. p. 3538; Dr. p. 757; Gaz. vol. 136; p. 668.
- Coleman, W. A., *et al.* (See Jones, J. F., assignor.)
- Coleman, W. B., Coraopolis, Pa. Music-leaf turner. No. 895,967; Aug. 11; Sp. p. 2388; Dr. pp. 508-9; Gaz. vol. 135; p. 1309.
- Coleman, W. H. (See Gemeny, E. A., assignor.)
- Colenso, W. E., Gallup, N. Mex. Rein-hitching device. No. 889,660; June 2; Sp. p. 911; Dr. pp. 211-12; Gaz. vol. 134; p. 1208.
- Coler, P. P., Chicago, Ill. Recording-tool. No. 881,302; Mar. 10; Sp. p. 1627; Dr. pp. 347-8; Gaz. vol. 133; p. 303.
- Coles, G. J., Gateshead, England. Automatic coupling for railway and other vehicles. No. 901,071; Oct. 13; Sp. p. 2104; Dr. p. 428; Gaz. vol. 136; p. 1427.
- Coles, W. J., *et al.* (See Clarke, E. J., assignor.)
- Colfelt, C. and R., Sherwood, Oreg. Choker-hook for hauling logs. No. 888,308; May 19; Sp. p. 3951; Dr. p. 832; Gaz. vol. 134; p. 705.
- Colfelt, R. (See Colfelt, C. and R.)
- Colgan, E. J., Kansas City, Kans. Support for feed-bags. No. 904,046; Nov. 17; Sp. p. 3066; Gaz. vol. 137; p. 558.
- Colgan, P., New Haven, Conn. Tufting-button. No. 904,842; June 24; Sp. p. 4762; Gaz. vol. 137; p. 854.
- Colkitt, J. H., Lindsey, assignor of one-third to J. H. Fink, Punxsutawney, Pa. Nut-lock. No. 889,584; June 2; Sp. p. 787; Gaz. vol. 134; p. 1184.
- Collapsible Hanger Company. (See Hill, M. E., assignor.)
- Collard, G. L. (See Steinbart, A., assignor.)
- Coldewei, D. F., Coalinga, Cal. Oil-pump. No. 876,622; Jan. 14; Sp. p. 1932; Dr. p. 422; Gaz. vol. 132; p. 344.
- Colles, G. B., Harriman, Tenn. Invalid-bed. No. 890,407; June 9; Sp. p. 2445; Dr. p. 541; Gaz. vol. 134; p. 1478.
- Collet, A., Paris, France. Tool for cutting seats in railway-sleepers. No. 901,681; Oct. 20; Sp. p. 3375; Dr. p. 691; Gaz. vol. 136; p. 1662.
- Collett, E., Notodden, Norway. Making a fertilizer. No. 888,145; May 19; Sp. p. 3647; Gaz. vol. 134; p. 652.
- Colley Company. (See Colley, E. S., assignor.)
- Colley, E. S., assignor to Colley Company, Portland, Me. Hoisting apparatus. No. 876,040; Jan. 7; Sp. p. 685; Dr. p. 147; Gaz. vol. 132; p. 118.
- Collier, A. T., St. Albans, assignor of one-fifth to H. S. Foster, London, England. Change-speed driving-gear. No. 896,691; Aug. 18; Sp. p. 3797; Dr. pp. 819-21; Gaz. vol. 135; p. 1563.
- Collier, C., and J. C. Rigg, assignors to Howe Manufacturing Company, Hooktown, Ky. Lifting-jack. No. 886,766; May 5; Sp. p. 893; Dr. p. 185; Gaz. vol. 134; p. 147.
- Collier, F. A., Galveston, Tex. Rail-joint. No. 883,089; Mar. 24; Sp. p. 5153; Dr. p. 1100; Gaz. vol. 133; p. 944.
- Collier, G. B., Kinderhook, N. Y. Turbo-pump. No. 901,228; Oct. 13; Sp. p. 2379; Dr. pp. 486-7; Gaz. vol. 136; p. 1475.
- Collier, J. H., Elsie, Mich. Music-turner. No. 901,421; Oct. 20; Sp. p. 2834; Dr. p. 579; Gaz. vol. 136; p. 1578.
- Collier, O. G., Fairbury, Nebr. Bail and hasp fastener. No. 883,451; Mar. 31; Sp. p. 5944; Dr. p. 1267; Gaz. vol. 133; p. 1095.
- Collier, O. G., Fairbury, Nebr. Sectional box. No. 890,262; June 9; Sp. p. 2145; Dr. p. 470; Gaz. vol. 134; p. 1431.
- Collier, W. D., Marco, Fla. Clam-digger. No. 897,351; Sept. 1; Sp. p. 206; Dr. p. 44; Gaz. vol. 136; p. 32.
- Collier, W. H., Jackson, Tenn. Combined type-writing and printing machine. No. 901,682; Oct. 20; Sp. p. 3377; Dr. pp. 691-2; Gaz. vol. 136; p. 1663.
- Collin, E. A., Turner, Nebr. Churn. No. 878,938; Feb. 11; Sp. p. 2177; Dr. p. 455; Gaz. vol. 132; p. 1225.
- Collin, E. A., Turner, Nebr. Hoisting apparatus. No. 888,695; May 26; Sp. p. 4769; Dr. p. 1015; Gaz. vol. 134; p. 865.

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- Collin, E. A., Turner, Nebr. Horse-detacher. No. 905,288; Dec. 1; Sp. p. 316; Gaz. vol. 137; p. 1035.
 Collin, F. J., Dortmund, Germany. Horizontal regenerative coke-oven, &c. No. 898,439; Sept. 15; Sp. p. 2425; Dr. p. 519; Gaz. vol. 136; p. 451.
 Collin, G. W., Bridgeport, Conn. Steam-pressure-reducing valve. No. 877,907; Feb. 4; Sp. p. 25; Dr. p. 5; Gaz. vol. 132; p. 852.
 Collin, G. W., Mansfield, Ohio. Reducing-valve. No. 877,908; Feb. 4; Sp. p. 27; Dr. p. 6; Gaz. vol. 132; p. 853.
 Collin, G. W., Mansfield, Ohio. Boiler feed-valve. No. 895,342; Aug. 4; Sp. p. 1137; Dr. p. 239; Gaz. vol. 135; p. 1083.
 Collin, G. W., Mansfield, Ohio. Reducing-valve. No. 895,343; Aug. 4; Sp. p. 1139; Dr. p. 239; Gaz. vol. 135; p. 1084.
 Collinet, H. T. (See Collinet, J. J. and H. T.)
 Collinet, J. J. and H. T., Chicago, Ill. Calipers. No. 887,068; May 12; Sp. p. 1463; Dr. p. 310; Gaz. vol. 134; p. 269.
 Collings, G. W., assignor to Collings Paper Goods Company, Chicago, Ill. Coin-mailer. No. 885,724; Apr. 28; Sp. p. 4227; Dr. p. 886; Gaz. vol. 133; p. 1948.
 Collings Paper Goods Company. (See Collings, G. W., assignor.)
 Collingwood, A., assignor of one-half to J. N. and E. Harlan, Franklin, Pa. Oil-well packer. No. 886,114; Apr. 28; Sp. p. 5038; Dr. p. 1058; Gaz. vol. 133; p. 2077.
 Collins, A. T., Swarthmore, Pa. Bottle-filling machine. No. 906,108; Dec. 8; Sp. p. 1963; Gaz. vol. 137; p. 1335.
 Collins, C., San Francisco, Cal. Fireproof building construction. No. 878,275; Feb. 4; Sp. p. 782; Dr. p. 156; Gaz. vol. 132; p. 974.
 Collins, C., San Francisco, Cal. Fireproof building construction. No. 878,276; Feb. 4; Sp. p. 784; Dr. p. 157; Gaz. vol. 132; p. 975.
 Collins, C., San Francisco, Cal. Fireproof building construction. No. 885,439; Apr. 21; Sp. p. 3641; Dr. p. 764; Gaz. vol. 133; p. 1829.
 Collins, C., San Francisco, Cal. Fireproof building construction. No. 892,225; June 30; Sp. p. 6163; Dr. p. 1328; Gaz. vol. 134; p. 2171.
 Collins, E., Ekalaka, Mont. Tire attachment. No. 880,195; Feb. 25; Sp. p. 4751; Dr. p. 1006; Gaz. vol. 132; p. 1708.
 Collins, E. H., Orleans, Ind. Grain-drill. No. 904,410; Nov. 17; Sp. p. 3838; Gaz. vol. 137; p. 682.
 Collins, E. A., Stark, Me. Preparing corn for table use. No. 880,359; Feb. 25; Sp. p. 5074; Dr. p. 1072; Gaz. vol. 132; p. 1762.
 Collins, H. G., assignor to Sargent & Company, New Haven, Conn. Lock. No. 899,955; Sept. 29; Sp. p. 5414; Dr. p. 1154; Gaz. vol. 136; p. 1005.
 Collins, H. L. (See Arbogast, J. I., assignor.)
 Collins, J. B., assignor of one-half to A. Cartwright, Eros, La. Adjustable brace. No. 879,524; Feb. 18; Sp. p. 3347; Dr. p. 699; Gaz. vol. 132; p. 1455.
 Collins, J. B., assignor of one-half to C. M. Purdy and F. A. Smiley, Jamestown, N. Y. Bread-mixer. No. 905,148; Dec. 1; Sp. p. 47; Gaz. vol. 137; p. 991.
 Collins, J. D., Chicago, Ill., assignor to Creamery Package Mfg. Company. Freezer. No. 880,360; Feb. 25; Sp. p. 5075; Dr. p. 1072; Gaz. vol. 132; p. 1762.
 Collins, J. E., Depot Harbor, Ontario, Canada. Rail-tongs. No. 894,259; July 28; Sp. p. 3950; Dr. p. 814; Gaz. vol. 135; p. 697.
 Collins, J. J., Clemo, Pa. Invalid or hoisting bed. No. 878,045; Feb. 4; Sp. p. 314; Dr. pp. 65-6; Gaz. vol. 132; p. 899.
 Collins, J. P. (See Leger, A. O., assignor.)
 Collins, J. P. (See Sicka and Collins.)
 Collins, J. W., Pawtucket, R. I. Bobbin and whirl. No. 891,814; June 30; Sp. p. 5365; Dr. p. 1161; Gaz. vol. 134; p. 2037.
 Collins, J. W., Washington, D. C. Valve for faucets, pipes, &c. No. 903,175; Nov. 3; Sp. p. 1272; Gaz. vol. 137; p. 240.
 Collins, J. W., assignor of one-third to B. Frederick, Cleveland, Ohio. Safety device for street-cars at drawbridges. No. 888,588; May 26; Sp. p. 4528; Dr. p. 960; Gaz. vol. 134; p. 830.
 Collins, L. C., and A. R. Elton, Cranford, N. J. Trolley-pole. No. 896,198; Aug. 18; Sp. p. 2807; Dr. p. 605; Gaz. vol. 135; p. 1404.
 Collins, L. D., Pasadena, Cal. Auxiliary spring for automobiles. No. 907,463; Dec. 22; Sp. p. 4579; Gaz. vol. 137; p. 1837.
 Collins, M., Lowell, Mass. Machine for preparing fibers for spinning. No. 896,437; Aug. 18; Sp. p. 3301; Dr. p. 709; Gaz. vol. 135; p. 1482.
 Collins, M. R., assignor to Taisey Pneumatic Service Company, Indianapolis, Ind. Pneumatic carrier. No. 876,859; Jan. 14; Sp. p. 2368; Dr. p. 518; Gaz. vol. 132; p. 419.
 Collins, M. R., assignor to Taisey Pneumatic Service Company, Indianapolis, Ind. Cash-carrier. No. 896,625; Aug. 18; Sp. p. 3660; Dr. p. 786; Gaz. vol. 135; p. 1543.
 Collins, R. V., New York, N. Y. Pencil-sharpener. No. 889,179; May 26; Sp. p. 5768; Dr. p. 1221; Gaz. vol. 134; p. 1022.
 Collins, T. (See Carter, G. H., assignor.)
 Collins, W., Tipton, England. Molding-box. No. 902,561; Nov. 3; Sp. p. 62; Gaz. vol. 137; p. 11.
 Collins, W. A., and W. Westbrook, Detroit, Mich. Air-pump for street-cars and analogous purposes. No. 885,440; Apr. 21; Sp. p. 3642; Dr. p. 764; Gaz. vol. 133; p. 1829.
 Collins, W. H., Indianapolis, Ind. Horse-hitch. No. 879,743; Feb. 18; Sp. p. 3812; Dr. p. 799; Gaz. vol. 132; p. 1527.
 Collins, W. H., assignor of one-half to J. L. Holmes, Indianapolis, Ind. Bridle-bit. No. 877,296; Jan. 21; Sp. p. 3317; Dr. p. 719; Gaz. vol. 132; p. 607.
 Collins, W. J., Sedalia, Mo. Stamping device. No. 893,447; July 14; Sp. p. 2137; Dr. pp. 448-9; Gaz. vol. 135; p. 379.
 Collins, W. L., Cairo, W. Va. Swingletree. No. 907,744; Dec. 29; Sp. p. 5186; Gaz. vol. 137; p. 1958.
 Collins, W. L., assignor of one-half to E. L. Montague, Baldwinville, N. Y. Dump-wagon. No. 877,884; Jan. 28; Sp. p. 4454; Dr. p. 972; Gaz. vol. 132; p. 817.
 Collinson, J. (See Williamson and Collinson.)
 Collis Company. (See Collis, G. and O. D., assignors.)
 Collis, G. and O. D., assignors to Collis Company, Dubuque, Iowa. Sectional stacked letter-tray. No. 893,786; July 21; Sp. p. 2938; Dr. p. 601; Gaz. vol. 135; p. 521.
 Collis, J., Des Moines, Iowa, assignor to W. P. Collis, New York, N. Y. Packless radiator-valve. No. 877,051; Jan. 21; Sp. p. 2821; Dr. p. 610; Gaz. vol. 122; p. 526.
 Collis, J., Des Moines, Iowa, assignor to Monash-Yunker Company, Chicago, Ill. Steam-trap. No. 891,526; June 23; Sp. p. 4753; Dr. p. 1029; Gaz. vol. 134; p. 1910.
 Collis, O. D. (See Collis, G. and O. D.)
 Collis, W. P. (See Collis, J., assignor.)
 Collison, C. D., Montclair, N. J. Non-refillable bottle. No. 881,551; Mar. 10; Sp. p. 2099; Dr. p. 459; Gaz. vol. 133; p. 382.
 Collison, D. W., and G. Matthews, Columbus, Ohio. Sash-fastener. No. 897,352; Sept. 1; Sp. p. 208; Dr. p. 44; Gaz. vol. 136; p. 32.
 Colloseus Cement Company. (See Colloseus, H., assignor.)
 Colloseus, H., Berlin, Germany, assignor, by mesne assignments, to Colloseus Cement Company. Manufacturing a sea-water-resisting cement from blast-furnace slag. No. 893,706; July 21; Sp. p. 2686; Gaz. vol. 135; p. 493.
 Colloseus, H., Berlin, Germany, assignor, by mesne assignments, to Colloseus Cement Company. Manufacturing cement by treating hot liquid blast-furnace slag with solutions of alkaline substances. No. 893,707; July 21; Sp. p. 2687; Gaz. vol. 135; p. 494.
 Colloseus, H., Berlin, Germany, assignor, by mesne assignments, to Colloseus Cement Company. Manufacturing cement by treating hot liquid blast-furnace slag with milk of lime. No. 893,708; July 21; Sp. p. 2688; Gaz. vol. 135; p. 494.
 Collstrop, A., et al., executors. (See Rütgers, J.)
 Colloseus, H., Berlin, Germany, assignor to W. R. Warren, New York, N. Y., and E. J. V. Earle, London, England. Manufacturing cement from blast-furnace slag. (Reissue.) No. 12,801; June 2; Sp. p. 1353; Dr. p. 309; Gaz. vol. 134; p. 1280.
 Colman, H. D., assignor to Barber-Colman Company, Rockford, Ill. Tying-machine. No. 905,793; Dec. 1; Sp. p. 1339; Gaz. vol. 137; p. 1204.
 Colmus, F. J., assignor of one-third to H. Haschenburger, Baltimore, Md. Bottle. No. 888,309; May 19; Sp. p. 3952; Dr. p. 832; Gaz. vol. 134; p. 706.
 Cöln-Müsener Bergwerks Actien Verein. (See Dresler, H., assignor.)
 Colomb, B. A. (See Delph, F. A., assignor.)
 Colonial Company. (See Berry, W. G., assignor.)
 Colorado Iron Works Company. (See Nesmith, J. W., assignor.)
 Colquhoun, E. M., Philadelphia, Pa. Gas-burner. No. 885,441; Apr. 21; Sp. p. 3643; Dr. p. 765; Gaz. vol. 133; p. 1830.
 Colquhoun, K. M., Owatonna, Minn. Spark-arrester. No. 880,442; Feb. 25; Sp. p. 5262; Dr. p. 1107; Gaz. vol. 132; p. 1791.
 Colson, A. G., Des Moines, Iowa. Pig-forceps. No. 877,633; Jan. 28; Sp. p. 4000; Dr. p. 864; Gaz. vol. 132; p. 737.
 Colson, R. (See McCann and Colson.)
 Colter, J., Durhamville, N. Y. Remedy for coughs of horses. No. 900,484; Oct. 6; Sp. p. 875; Gaz. vol. 136; p. 1209.
 Colter, R. B., Marinette, Wis. Bottle-pack. No. 899,384; Sept. 22; Sp. p. 4220; Dr. p. 903; Gaz. vol. 136; p. 783.
 Colton, A. D., assignor to Stockham Pipe & Fittings Company, Birmingham, Ala. Molding-machine. No. 895,619; Aug. 11; Sp. p. 1687; Dr. p. 357; Gaz. vol. 135; p. 1196.
 Colton, T. C., Griswold, Manitoba, Canada. Washbasin. No. 892,366; June 30; Sp. p. 6426; Dr. p. 1387; Gaz. vol. 134; p. 2217.
 Coltrin, L., assignor of one-half to A. H. Lee, Omaha, Nebr. Food product. No. 904,047; Nov. 17; Sp. p. 3067; Gaz. vol. 137; p. 558.
 Colt's Patent Fire Arms Manufacturing Company. (See Peard, J. J., assignor.)
 Colt's Patent Fire Arms Manufacturing Company. (See Tansley, G. H., assignor.)
 Columbia Machine Works and Malleable Iron Co. (See Fray, F., assignor.)
 Columbia Machine Works & Malleable Iron Co. (See Grady, J., assignor.)

Alphabetical list of patentees—Continued.

- Columbia Postal Supply Company. (See Ielfield, F. C., assignor.)
 Columbia Process Company. (See Pellew and Whipple, assignors.)
 Columbian Cutlery Company. (See Meis, A., assignor.)
 Columbian Feed Governor Company. (See Dougan, K., assignor.)
 Columbian Hardware Company. (See Bucher, W. K., assignor.)
 Columbus Heating & Ventilating Company. (See Ebinger, D. A., assignor.)
 Colvin, W. (See Copenhagen and Colvin.)
 Colvin, W. S., Hamilton, Kans. Cement-block machine. No. 892,583; July 7; Sp. p. 361; Dr. pp. 79-80; Gaz. vol. 135; p. 67.
 Colwell, F. A., Oakesdale, Wash. Friction-clutch. No. 882,187; Mar. 17; Sp. p. 3410; Dr. p. 725; Gaz. vol. 133; p. 617.
 Colwell, W. E., Oakville, Ontario, Canada. Mailing and advertising card. No. 906,774; Dec. 15; Sp. p. 3210; Gaz. vol. 137; p. 1575.
 Colyer, W. E. (See Gordon, W., assignor.)
 Comas Cigarette Machine Company. (See Bilgram, H., assignor.)
 Combs, J. L., St. Louis, Mo. Comb. No. 894,816; Aug. 4; Sp. p. 28; Dr. p. 6; Gaz. vol. 135; p. 905.
 Combs, E. E. and W. E., Evansville, Wis.; said W. E. Combs assignor to said E. E. Combs. Apparatus for sharpening disks and colters. No. 900,707; Oct. 13; Sp. p. 1366; Dr. p. 278; Gaz. vol. 136; p. 1309.
 Combs, F. D. (See Combs, G. W. and F. D.) (Reissue.)
 Combs, G. W., Leavenworth, Kans. Gyrostat structure. No. 883,526; Mar. 31; Sp. p. 6086; Dr. p. 1295; Gaz. vol. 133; p. 1117.
 Combs, G. W. and F. D., Leavenworth, Kans. Self-balancing gyrating machine. (Reissue.) No. 12,894; Dec. 15; Sp. p. 3841; Gaz. vol. 137; p. 1683.
 Combs, W. E. (See Combs, E. E. and W. E.)
 Combs, W. L., Bearcreek, Mont. Rock-digger. No. 883,624; Mar. 31; Sp. p. 6263; Dr. p. 1337; Gaz. vol. 133; p. 1147.
 Combustion Engineering Company. (See Brown, F. H., assignor.)
 Combustion Utilities Company. (See Doherty, H. L., assignor.)
 Combustion Utilities Company. (See Eldred, B. E., assignor.)
 Comeau, M. P., and A. Beaudoin, Chicopee Falls, Mass. Curtain fixture. No. 906,775; Dec. 15; Sp. p. 3212; Gaz. vol. 137; p. 1576.
 Comee, J. F., Roseburg, Oreg. Packing. No. 890,408; June 9; Sp. p. 2448; Dr. p. 541; Gaz. vol. 134; p. 1478.
 Comi, G., Cobalt, Conn. Lifting-jack for railway-ties. No. 907,745; Dec. 29; Sp. p. 5187; Gaz. vol. 137; p. 1958.
 Comings, W. R., Wimbledon, England. Paper or cardboard box. No. 877,757; Jan. 28; Sp. p. 4226; Dr. p. 917; Gaz. vol. 132; p. 776.
 Comings, W. R., Wimbledon, England. Box making and covering machine. No. 877,829; Jan. 28; Sp. p. 4360; Dr. pp. 947-8; Gaz. vol. 132; p. 799.
 Comings, W. R., Wimbledon Park, England. Closure. No. 905,652; Dec. 1; Sp. p. 1079; Gaz. vol. 137; p. 1157.
 Comins, F. B., Sharon, Mass. Pressure-regulating system. No. 896,438; Aug. 18; Sp. p. 3303; Dr. p. 709; Gaz. vol. 135; p. 1483.
 Comins, F. B., Sharon, Mass. Humidifier. No. 900,355; Oct. 6; Sp. p. 590; Dr. p. 122; Gaz. vol. 136; p. 1165.
 Comins, F. B., Sharon, Mass. Humidifier. No. 900,356; Oct. 6; Sp. p. 591; Dr. p. 122; Gaz. vol. 136; p. 1166.
 Comission, J. S., Gulfport, Miss. Curtain-pole. No. 882,374; Mar. 17; Sp. p. 3762; Dr. p. 802; Gaz. vol. 133; p. 678.
 Comitot, F. N., Chicago, Ill. Reinforced concrete construction. No. 876,694; Jan. 14; Sp. p. 2083; Dr. p. 453; Gaz. vol. 132; p. 368.
 Commercial Acetylene Company. (See Bruckner, R. E., assignor.)
 Commercial Gas Company. (See Meyer and Hickey, assignors.)
 Commercial Storage Battery Company. (See Gardiner, W., assignor.)
 Commerford, P. H. (See Wright and Commerford.)
 Commin, F. J., Exeter, England, assignor to Cameron Septic Tank Company. Portable apparatus for liquefying and purifying sewage. No. 875,984; Jan. 7; Sp. p. 585; Dr. p. 125; Gaz. vol. 132; p. 101.
 Common, W., Germiston, Transvaal. Friction-clutch. No. 885,323; Apr. 21; Sp. p. 3415; Dr. p. 714; Gaz. vol. 133; p. 1793.
 Commonwealth Machine Company. (See Smith, H. M., assignor.)
 Compagnie des Bouchages Hermétiques Simplex. (See Lalau, F., assignor.)
 Compagnie Française des Produits Tartriques. (See Garin and David, assignors.)
 Compagnie Générale de Phonographes, Cinématographes et Appareils de Précision. (See Joly, H., assignor.)
 Compagnie Internationale de Freinage (Système Luyers) Société Anonyme. (See Chaudeson, A., assignor.)
 Compagnone, V., Naples, Italy. Brick molded for walls with a monolithic internal skeleton. No. 876,298; Jan. 7; Sp. p. 1213; Dr. p. 265; Gaz. vol. 132; p. 203.
 Composite Fuel Syndicate. (See Vivian, A. W. H., assignor.)
 Compressed Paper Box Co. (See Godfrey, J., assignor.)
 Compston, B., Homestead, Pa. Cooking-pan. No. 894,118; July 21; Sp. p. 3622; Dr. p. 746; Gaz. vol. 135; p. 631.
 Comptograph Company. (See Felt and Wetmore, assignors.)
 Comptograph Company. (See Wetmore, C. P., assignor.)
 Comptograph Company. (See Wetmore and Niemann, assignors.)
 Compton, A. J., Cedar Grove, N. C. Cultivator. No. 903,676; Nov. 10; Sp. p. 2287; Gaz. vol. 137; p. 403.
 Compton, E., deceased; E. A. Compton, administratrix, Washington, D. C. Holder for cleaning-cloths and the like. No. 879,365; Feb. 18; Sp. p. 3004; Dr. p. 628; Gaz. vol. 132; p. 1403.
 Compton, E. A., administratrix. (See Compton, E.)
 Compton, I., Chicago, Ill. Combined ventilated receptacle and stool. No. 889,508; June 2; Sp. p. 639; Dr. p. 148; Gaz. vol. 134; p. 1159.
 Compton, M. D., New York, N. Y., assignor to A. G. Wheeler, Jr., trustee. Motor-driven exhaustor and compressor. No. 884,131; Apr. 7; Sp. p. 980; Dr. pp. 204-5; Gaz. vol. 133; p. 1343.
 Compton, W. A., Columbus, Ohio. Boiler-tube. No. 878,353; Feb. 4; Sp. p. 933; Dr. p. 186; Gaz. vol. 132; p. 1000.
 Compton, W. G. (See Walker, H. A., assignor.)
 Compton, W. H., Orleans, Ind. Scraper. No. 893,709; July 21; Sp. p. 2690; Dr. p. 564; Gaz. vol. 135; p. 494.
 Comstock, A. S., Evanston, Ill. Air-pump. No. 903,543; Nov. 10; Sp. p. 2024; Gaz. vol. 137; p. 362.
 Comstock, C., Ridgewood, N. J. Lubricator. No. 895,844; Aug. 11; Sp. p. 2147; Dr. p. 456; Gaz. vol. 135; p. 1270.
 Comstock, C., Ridgewood, N. J. Lubricator. No. 896,895; Aug. 25; Sp. p. 4240; Dr. p. 907; Gaz. vol. 135; p. 1655.
 Comstock, C. S., East Orange, N. J. Buckle. No. 904,048; Nov. 17; Sp. p. 3069; Gaz. vol. 137; p. 558.
 Comstock, H. W., Chicago, Ill. Salt-holder. No. 895,845; Aug. 11; Sp. p. 2151; Dr. p. 456; Gaz. vol. 135; p. 1270.
 Concentric Engine and Manufacturing Company. (See Lechner, F. M., assignor.)
 Concrete Frame Company. (See Wheeler, H. H., assignor.)
 Conde, H. W., Ottawa, Ill. Automatic gate for railway-crossings. No. 880,721; Mar. 3; Sp. p. 459; Dr. pp. 97-8; Gaz. vol. 133; p. 81.
 Condit, S. B. (See Griffin, A. E., assignor.)
 Condit, S. B., Jr. (See Elden, L. L., assignor.)
 Condit, S. B., Jr. (See Fountain, J. Jr., assignor.)
 Condon, E. J., assignor of two-thirds to E. I. Rains and G. W. Ruppert, New York, N. Y. Electrical water-heater. No. 884,367; Apr. 14; Sp. p. 1423; Dr. p. 304; Gaz. vol. 133; p. 1448.
 Condon, S. E., Brooklyn, N. Y. Couch. No. 892,405; July 7; Sp. p. 29; Dr. p. 8; Gaz. vol. 135; p. 8.
 Condrum, M. M., Marshfield, Oreg. Wrench. No. 893,054; July 14; Sp. p. 1361; Dr. p. 287; Gaz. vol. 135; p. 252.
 Cone, A. C. (See Cone, A. D. and A. C.)
 Cone, A. D. and A. C., Ansley, Nebr. Corn-sheller machine. No. 885,665; Apr. 21; Sp. p. 4095; Dr. p. 857; Gaz. vol. 133; p. 1858.
 Cone, C. (See Campbell, R. G., assignor.)
 Conery, A. F., Jr., Newark, N. J. Soap cake. No. 875,985; Jan. 7; Sp. p. 587; Dr. p. 126; Gaz. vol. 132; p. 102.
 Coney, E. (See Hard and Coney.)
 Confer, B. H. (See Woodling and Confer.)
 Confer, D., Canisteo, N. Y. Hay-press. No. 894,315; July 28; Sp. p. 4063; Dr. p. 839; Gaz. vol. 135; p. 716.
 Conger, G. S., and C. Pearce, assignors to Eltypic Manufacturing Company, New York, N. Y. Cut-out mechanism for electrically-operated machines. No. 889,358; June 2; Sp. p. 325; Dr. p. 76; Gaz. vol. 134; p. 1110.
 Conine, S. A. (See Stuart and Conine.)
 Conkell, E. W., Canton, Ohio. Controller for pneumatic pumps. No. 899,101; Sept. 22; Sp. p. 3668; Dr. p. 785; Gaz. vol. 136; p. 692.
 Conkey, L. L., Grand Rapids, Mich. Veterinary dental speculum. No. 875,692; Jan. 7; Sp. p. 28; Dr. p. 6; Gaz. vol. 132; p. 7.
 Conkle, A., Luray, Mo. Drag-scraper. No. 882,053; Mar. 17; Sp. p. 3158; Dr. p. 671; Gaz. vol. 133; p. 574.
 Conklin, C. M. (See Lunken and Conklin.)
 Conklin, C. M., Cincinnati, Ohio, assignor, by mesne assignments, to Lunken Steel Window Co. Window-screen and making the same. No. 885,725; Apr. 28; Sp. p. 4228; Dr. p. 886; Gaz. vol. 133; p. 1948.
 Conklin, C. M., Cincinnati, Ohio, assignor, by mesne assignments, to Lunken Steel Window Co. Window-screen. No. 885,726; Apr. 28; Sp. p. 4230; Dr. p. 886; Gaz. vol. 133; p. 1949.
 Conklin, C. M., and E. H. Lunken, assignors to Lunken Steel Window Co., Cincinnati, Ohio. Fireproof window construction. No. 903,058; Nov. 3; Sp. p. 1056; Gaz. vol. 137; p. 173.

Alphabetical list of patentees—Continued.

- Conklin, E. D., assignor to Whitehead & Hoag Company, Newark, N. J. Button pencil-holder. No. 901,886; Oct. 20; Sp. p. 3796; Dr. p. 772; Gaz. vol. 136; p. 1729.
- Conklin, E. J., Walden, N. Y., assignor, by mesne assignments, to Whitney Manufacturing Company, Hartford, Conn. Friction drive-chain. No. 893,787; July 21; Sp. p. 2939; Dr. p. 601; Gaz. vol. 135; p. 521.
- Conlan, J. J., Newark, N. J., Well-drilling apparatus. No. 901,229; Oct. 13; Sp. p. 2384; Dr. p. 487; Gaz. vol. 136; p. 1476.
- Conlee, T. A. (See Knickerbocker, J. B., assignor.)
- Conley, C. M., assignor of one-half to I. W. Pence and A. Rogers, Cleveland, Ohio. Show-window and show-case construction. No. 876,299; Jan. 7; Sp. p. 1215; Dr. p. 265; Gaz. vol. 132; p. 203.
- Conley, G., Caseville, Mich. Colter. No. 885,019; Apr. 21; Sp. p. 2757; Dr. p. 585; Gaz. vol. 133; p. 1692.
- Conley, J. (See Fearon, J. J., assignor.)
- Conley, J., Anadarko, Okla. Latrine-incinerator. No. 905,500; Dec. 1; Sp. p. 798; Gaz. vol. 137; p. 1110.
- Conley, J., Anadarko, Okla. Latrine-incinerator. No. 905,501; Dec. 1; Sp. p. 800; Gaz. vol. 137; p. 1110.
- Conley, J., Anadarko, Okla. Camp-range. No. 905,502; Dec. 1; Sp. p. 801; Gaz. vol. 137; p. 1110.
- Conlin, J., Braddock, Pa. Mechanism for the journal-boxes of locomotives. No. 904,938; Nov. 24; Sp. p. 4966; Gaz. vol. 137; p. 885.
- Conly, J. A. (See Allen and Conly.)
- Conly, M. S., Los Angeles, Cal. Oil-burner. No. 876,898; Jan. 14; Sp. p. 2459; Dr. p. 537; Gaz. vol. 132; p. 433.
- Conn, A. B., Gans, Pa. Nut-lock. No. 902,646; Nov. 3; Sp. p. 227; Gaz. vol. 137; p. 38.
- Conn, C. G., Elkhart, Ind. Brass wind instrument. No. 887,921; May 19; Sp. p. 3224; Dr. p. 678; Gaz. vol. 134; p. 581.
- Conn, C. G., Elkhart, Ind. Sound-reproducing bell. No. 903,059; Nov. 3; Sp. p. 1060; Gaz. vol. 137; p. 173.
- Conn, D. E., Hyde Park, assignor of one-half to W. G. Crawford, Boston, Mass. Car-fender. No. 902,210; Oct. 27; Sp. p. 4468; Dr. p. 904; Gaz. vol. 136; p. 1863.
- Connah, C., assignor of one-half to A. A. Greenwood, Los Angeles, Cal. Sewing-awl. No. 885,913; Apr. 28; Sp. p. 4608; Dr. p. 966; Gaz. vol. 133; p. 2011.
- Connaty, J. W., assignor to G. P. McDougall & Son, Indianapolis, Ind. Sliding top for cabinets. No. 901,887; Oct. 20; Sp. p. 3797; Dr. p. 773; Gaz. vol. 136; p. 1729.
- Connecticut Auto Engineering Corporation. (See Cuno, C., assignor.)
- Connecticut Computing Machine Company. (See Carroll, F. M., assignor.)
- Connecticut Hook & Eye Company. (See Rowbottom, G., assignor.)
- Connecticut Telephone & Electric Company. (See Williams, E. Q., assignor.)
- Connecticut Trust & Safe Deposit Company. (See Whittier, A. E., assignor.)
- Connell, A. H., Annona, Tex. Cotton-cultivator attachment. No. 882,667; Mar. 24; Sp. p. 4329; Dr. p. 921; Gaz. vol. 133; p. 808.
- Connell, D. W., assignor to Pontiac Buggy Company, Pontiac, Mich. Running-gear. No. 903,544; Nov. 10; Sp. p. 2026; Gaz. vol. 137; p. 362.
- Connell, L., Jr., Portland, Ore. Quadruplex or multiplex telegraphy. No. 876,312; Jan. 7; Sp. p. 1240; Dr. p. 270; Gaz. vol. 132; p. 207.
- Connell, R., Gainsborough, England. Tire-setting tool. No. 878,354; Feb. 4; Sp. p. 935; Dr. p. 186; Gaz. vol. 132; p. 1000.
- Connell, W. H., Pittsburg, Pa. Manufacture of compound ingots. No. 885,839; Apr. 28; Sp. p. 4470; Dr. p. 939; Gaz. vol. 133; p. 1986.
- Connell, W. H., Pittsburg, Pa. Manufacture of railway-ties. No. 886,349; May 5; Sp. p. 21; Dr. p. 5; Gaz. vol. 134; p. 6.
- Connell, W. H., Pittsburg, Pa. Manufacture of compound ingots. No. 890,337; June 9; Sp. p. 2321; Dr. p. 512; Gaz. vol. 134; p. 1456.
- Connolly, D., Cleveland Heights, and C. E. Schafer, Cleveland, Ohio. Street-flushing apparatus. No. 882,626; Mar. 24; Sp. p. 4251; Dr. p. 900-1; Gaz. vol. 133; p. 794.
- Connolly, J. F., and J. H. McLeod, Newark, N. J., assignors to U. S. Standard Voting Machine Company, Rochester, N. Y. Combined case and voting-machine. No. 896,896; Aug. 25; Sp. p. 4243; Dr. p. 907-8; Gaz. vol. 135; p. 1655.
- Connolly, M., Chicago, Ill. Horse-cleaner. No. 905,653; Dec. 1; Sp. p. 1080; Gaz. vol. 137; p. 1157.
- Conner, A. B. (See Williams and Conner.)
- Conner, F., Los Angeles, Cal. Mechanism for cleaning and finishing ground coffee after the same has been graded. No. 902,474; Oct. 27; Sp. p. 5045; Dr. p. 1021; Gaz. vol. 136; p. 1951.
- Conner, G. F., Port Huron, Mich. Guide for row-cultivating and root-harvesting machines. No. 876,623; Jan. 14; Sp. p. 1934; Dr. p. 422; Gaz. vol. 132; p. 345.
- Conner, J. W., Albany, Tex. Cotton-seed-grading machine. No. 888,000; May 19; Sp. p. 3379; Dr. p. 710; Gaz. vol. 134; p. 607.
- Conner, M. S., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Supervisory system. No. 901,683; Oct. 20; Sp. p. 3379; Dr. p. 692; Gaz. vol. 136; p. 1663.
- Conner, M. S., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system. No. 901,684; Oct. 20; Sp. p. 3385; Dr. p. 692-3; Gaz. vol. 136; p. 1664.
- Conner, M. S., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system. No. 901,685; Oct. 20; Sp. p. 3396; Dr. p. 693; Gaz. vol. 136; p. 1665.
- Conner, M. S., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system. No. 901,686; Oct. 20; Sp. p. 3405; Dr. p. 693; Gaz. vol. 136; p. 1665.
- Conner, M. S., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-transmitter. No. 901,687; Oct. 20; Sp. p. 3411; Dr. p. 693; Gaz. vol. 136; p. 1666.
- Conner, M. S., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Switchboard. No. 901,688; Oct. 20; Sp. p. 3414; Dr. p. 694; Gaz. vol. 136; p. 1667.
- Conner, M. S., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system. No. 901,689; Oct. 20; Sp. p. 3416; Dr. p. 694; Gaz. vol. 136; p. 1667.
- Conner, W. M., Cincinnati, Ohio. Poultry feeder and exerciser. No. 886,580; May 5; Sp. p. 464; Dr. p. 99; Gaz. vol. 134; p. 85.
- Conner, W. M., Niles, Ohio. Cork-extractor. No. 893,055; July 14; Sp. p. 1363; Dr. p. 287; Gaz. vol. 135; p. 252.
- Connersville Blower Co. (See Wilkin, J. T., assignor.)
- Connet, F. N., Providence, R. I. Recording-manometer. No. 890,844; June 16; Sp. p. 3355; Dr. p. 735; Gaz. vol. 134; p. 1654.
- Connet, F. N., assignor to Builders Iron Foundry, Providence, R. I. Valve-position controlling and indicator device. No. 899,029; Sept. 22; Sp. p. 3541; Dr. p. 757; Gaz. vol. 136; p. 669.
- Connett, C. W. (See Orebaugh and Connett.)
- Connett, R. (See Seiler, P., assignor.)
- Connevey, W. L., Lewisville, Ark. Fish-trap. No. 897,589; Sept. 1; Sp. p. 714; Dr. p. 150; Gaz. vol. 136; p. 113.
- Conneway, W. L. (See Wimmer, H. S., assignor.)
- Conniff, J. F., Trumann, Ark. Horse-collar. No. 888,388; May 19; Sp. p. 4103; Dr. p. 866; Gaz. vol. 134; p. 730.
- Conniff, P., and F. A. Pierce, Washington, D. C. Emergency train-stopping device. No. 903,842; Nov. 17; Sp. p. 2635; Gaz. vol. 137; p. 489.
- Conniff, P., and F. A. Pierce, Washington, D. C. Emergency train-stop. No. 903,843; Nov. 17; Sp. p. 2637; Gaz. vol. 137; p. 490.
- Connolly, P., Brooklyn, N. Y. Valve. No. 891,207; June 16; Sp. p. 4075; Dr. p. 895; Gaz. vol. 134; p. 1771.
- Connolly, P., New York, N. Y. Box or tank. No. 896,276; Aug. 18; Sp. p. 2959; Dr. p. 637; Gaz. vol. 135; p. 1431.
- Connor, G. G., South Bend, Ind. Skid and truck. No. 877,758; Jan. 28; Sp. p. 4228; Dr. p. 917; Gaz. vol. 132; p. 776.
- Connor, G. T., Stoneham, assignor to Hydrocarbon Chemical Company, Boston, Mass. Liquid-spraying truck. No. 900,058; Sept. 29; Sp. p. 5649; Dr. p. 1206; Gaz. vol. 136; p. 1039.
- Connor, J. C. (See Chamberlin and Harrington, assignors.)
- Connor, J. H., et al. (See Barrett, J. E., assignor.)
- Connor, L., Owdoms, S. C. Pot-still. No. 906,200; Dec. 8; Sp. p. 2132; Gaz. vol. 137; p. 1366.
- Connor, P. J. (See Libby and Connor.)
- Connor, P. J., and C. Hess, assignors to Steefel, Strauss, and Connor, Rochester, N. Y. Coat. No. 889,761; June 2; Sp. p. 1118; Dr. p. 259; Gaz. vol. 134; p. 1239.
- Connors, D. W., et al. (See Humphreys, E. H., assignor.)
- Connors, E. (See Hamilton and Mellre, assignors.)
- Conover, C. A., Newburgh, N. Y. Dental dam-holder. No. 888,310; May 19; Sp. p. 3953; Dr. p. 832; Gaz. vol. 134; p. 706.
- Conover, C. H., Cambridge, and W. D. Murphy, Newton, Mass. Sound-deadening construction for elevated railways. No. 899,293; Sept. 22; Sp. p. 4064; Dr. p. 868; Gaz. vol. 136; p. 754.
- Conover, H. V., assignor of one-half to C. Oishei, Buffalo, N. Y. Seal-lock. No. 878,277; Feb. 4; Sp. p. 786; Dr. p. 157; Gaz. vol. 132; p. 975.
- Conquoror Fire Extinguisher Company. (See Hyde and Peterson, assignors.)
- Conrad, B. B., New York, N. Y. Numbering-machine. No. 907,128; Dec. 22; Sp. p. 3892; Gaz. vol. 137; p. 1723.
- Conrad, B. B., New York, N. Y., assignor to American Numbering Machine Company. Numbering-machine. No. 898,836; Sept. 15; Sp. p. 3180; Dr. p. 680-1; Gaz. vol. 136; p. 578.
- Conrad, B. B., New York, N. Y., assignor to American Numbering Machine Company. Numbering-machine. No. 905,987; Dec. 8; Sp. p. 1727; Gaz. vol. 137; p. 1296.
- Conrad, E. A. and F. M., Elizabeth, N. J. Water trap and seal. No. 880,975; Mar. 3; Sp. p. 979; Dr. p. 211; Gaz. vol. 133; p. 166.

Alphabetical list of patentees—Continued.

- Conrad, F., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic synchronizer. No. 885,143; Apr. 21; Sp. p. 3032; Dr. p. 639; Gaz. vol. 133; p. 1732.
- Conrad, F. M. (See Conrad, E. A. and F. M.)
- Conrad, G. W., Edgewood, and W. J. Fittall, Pittsburg, Pa. Baggage-check. No. 891,593; June 23; Sp. p. 4886; Dr. pp. 1052-3; Gaz. vol. 134; p. 1930.
- Conrad, H. G. (See Ash, H. B., assignor.)
- Conrad, J. F., Dorranceton, Pa. Sulfur-burner. No. 886,948; May 5; Sp. p. 1214; Dr. p. 256; Gaz. vol. 134; p. 202.
- Conrad, J. J., Luverne, Minn. Corn-plow shovel. No. 881,303; Mar. 10; Sp. p. 1629; Dr. p. 348; Gaz. vol. 133; p. 303.
- Conrad, M., Aschaffenburg, assignor to Firm of E. Merck, Darmstadt, Germany. Making dialkyl barbituric acid. No. 893,308; July 14; Sp. p. 1855; Gaz. vol. 135; p. 334.
- Conrad, P., Chicago, Ill. Stopper or closure for bottles and the like. No. 889,872; June 2; Sp. p. 1329; Dr. p. 303; Gaz. vol. 134; p. 1276.
- Conrader, R., Erie, Pa. Apparatus for actuating liquids. No. 879,146; Feb. 18; Sp. p. 2585; Dr. p. 538; Gaz. vol. 132; p. 1331.
- Conrader, R., Erie, assignor to J. W. Waitz, Oil City, Pa. Apparatus for actuating fluids. No. 886,312; Apr. 28; Sp. p. 5414; Dr. pp. 1136-7; Gaz. vol. 133; p. 2145.
- Conradson, C. M., Madison, Wis. Covered jar. No. 907,129; Dec. 22; Sp. p. 3894; Gaz. vol. 137; p. 1723.
- Conrady, P. (See Gause and Conrady.)
- Conrad, C. A., Washington, D. C. Fastener. No. 884,316; Apr. 7; Sp. p. 1300; Dr. p. 275; Gaz. vol. 133; p. 1400.
- Conrath, G. B. (See Schneider and Conrath.)
- Conroe, C. A., Topeka, Kans. Resilient vehicle-wheel. No. 892,135; June 30; Sp. p. 5982; Dr. p. 1286; Gaz. vol. 134; p. 2141.
- Conroy, J. M., Pittsburg, Pa. Ornamenting glass. (Reissue.) No. 12,789; May 5; Sp. p. 1414; Dr. p. 300; Gaz. vol. 134; p. 235.
- Conroy, P. J., assignor to International Subway & Tunnel Ventilating Company, New York, N. Y. Ventilating system. No. 878,278; Feb. 4; Sp. p. 789; Dr. p. 157; Gaz. vol. 132; p. 976.
- Cons, C. H. (See Lindsley, J. D., assignor.)
- Consolidated Brake and Engineering Company. (See Luard, E. S., assignor.)
- Consolidated Car Fender Company. (See Thornley, A. J., assignor.)
- Consolidated Car-Heating Company. (See Green, F. C., assignor.)
- Consolidated Car-Heating Company. (See McElroy, J. F., assignor.)
- Consolidated Dental Manufacturing Company. (See Hardy, J. F., assignor.)
- Consolidated Fastener Company. (See Raymond, A. F., assignor.)
- Consolidated Fire Alarm Company. (See Latimer, J. M., assignor.)
- Consolidated Fire Alarm Company. (See Spamer, R. F., assignor.)
- Consolidated Lighting Co. (See Lewis, M. W., assignor.)
- Consolidated Press and Tool Company. (See Allen, J. L., assignor.)
- Consolidated Railway Electric Lighting and Equipment Company. (See Kennedy, P., assignor.)
- Consolidated Safety Valve Company. (See Blanchard and Darling, assignors.)
- Consolidated Wrapping Machine Company. (See Berger, R. A., assignor.)
- Constable, G. W., Wayne, Pa. Antiskidding shoe for automobiles. No. 906,776; Dec. 15; Sp. p. 3213; Gaz. vol. 137; p. 1576.
- Constant, C. L., New York, N. Y. Ore-sampler. No. 888,471; May 26; Sp. p. 4293; Dr. p. 909; Gaz. vol. 134; p. 789.
- Constantini, J., Tercio, Colo. Combined door-closer and fly-chaser. No. 898,326; Sept. 8; Sp. p. 2194; Dr. p. 466; Gaz. vol. 136; p. 380.
- Contal, C., Levallois-Perret, France. Motor-cycle. No. 894,724; July 28; Sp. p. 4865; Dr. p. 1012; Gaz. vol. 135; p. 849.
- Continental Automobile Company. (See Mabley and Franquist, assignors.)
- Continental Can Company. (See Abrams, J. E., assignor.)
- Continental Can Company. (See Taliaferro, J. C., assignor.)
- Continental Gin Company. (See Gammons, F. C., assignor.)
- Continental Gin Company. (See Ligon, H. W., assignor.)
- Continental Investment Company. (See Hartenstein, H. L., assignor.)
- Continental Machine Company. (See Krummel and Taliaferro, assignors.)
- Continental Manufacturing Company. (See Dun Lany, W. P., assignor.)
- Continental Manufacturing Company. (See Koons, V. C., assignor.)
- Continental Paper Bag Company. (See Smith, C. F., assignor.)
- Continental Paper Bag Company. (See Strasburg, F. E., assignor.)
- Continental Signal Company. (See Paine, G. H., assignor.)
- Continuous Glass Press Company. (See Shuman, A., assignor.)
- Continuous Rail & Safety Switch Co. (See Roach, H. F., assignor.)
- Converse, A. D., Winchendon, Mass. Drum. No. 877,830; Jan. 28; Sp. p. 4362; Dr. p. 948; Gaz. vol. 132; p. 799.
- Converse, A. D., Winchendon, Mass. Toy horn. No. 888,311; May 19; Sp. p. 3954; Dr. p. 832; Gaz. vol. 134; p. 706.
- Converse, A. D., Winchendon, Mass. Drum. No. 888,312; May 19; Sp. p. 3956; Dr. p. 833; Gaz. vol. 134; p. 706.
- Converse, A. D., Winchendon, Mass. Drum. No. 889,762; June 2; Sp. p. 1119; Dr. p. 260; Gaz. vol. 134; p. 1239.
- Converse, A. D., Winchendon, Mass. Drum. No. 891,146; June 16; Sp. p. 3939; Dr. p. 862; Gaz. vol. 134; p. 1751.
- Converse, E. R., Basin, Wyo. Water-elevator. No. 905,654; Dec. 1; Sp. p. 1082; Gaz. vol. 137; p. 1157.
- Converse, E. R., Basin, Wyo. Water-elevator. No. 905,655; Dec. 1; Sp. p. 1083; Gaz. vol. 137; p. 1158.
- Converse, F. B., Jr., New Haven, Conn., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 880,779; Mar. 3; Sp. p. 586; Dr. pp. 124-5; Gaz. vol. 133; p. 101.
- Converse, F. B., Jr., New Haven, Conn., assignor, by mesne assignments, to Mergenthaler Linotype Company. Matrix assembling and distributing machine. No. 890,266; June 9; Sp. p. 2178; Dr. p. 479; Gaz. vol. 134; p. 1433.
- Converse, F. B., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 888,786; May 26; Sp. p. 4953; Dr. pp. 1056-7; Gaz. vol. 134; p. 894.
- Converse, F. B., Jr., Cleveland, Ohio, assignor, by mesne assignments, to Mergenthaler Linotype Company. Linotype-machine. No. 890,263; June 9; Sp. p. 2146; Dr. p. 471; Gaz. vol. 134; p. 1432.
- Converse, F. B., Jr., Cleveland, Ohio, assignor, by mesne assignments, to Mergenthaler Linotype Company. Type-distributing machine. No. 890,264; June 9; Sp. p. 2150; Dr. pp. 472-5; Gaz. vol. 134; p. 1432.
- Converse, F. B., Jr., Cleveland, Ohio, assignor, by mesne assignments, to Mergenthaler Linotype Company. Distributing-machine. No. 890,265; June 9; Sp. p. 2167; Dr. pp. 475-8; Gaz. vol. 134; p. 1432.
- Converse, F. B., Jr., Cleveland, Ohio, assignor, by mesne assignments, to Mergenthaler Linotype Company. Justifying mechanism. No. 903,677; Nov. 10; Sp. p. 2289; Gaz. vol. 137; p. 403.
- Converse, F. S., Lyons, N. Y. Coal-screen. No. 832,406; July 7; Sp. p. 30; Dr. p. 9; Gaz. p. 135; p. 8.
- Converse, M. D., Newark, N. J., assignor, by mesne assignments, to Howland Metallic Cap Company, New York, N. Y. Closure for jars, bottles, and like receptacles. No. 888,696; May 26; Sp. p. 4770; Dr. p. 1015; Gaz. vol. 134; p. 865.
- Converse, N. B., assignor to himself and J. E. Dickinson, trustees, Fresno, Cal. Feeder or conveyor mechanism. No. 894,424; July 28; Sp. p. 4293; Dr. pp. 885-6; Gaz. vol. 135; p. 752.
- Conway, H. D., Jackson, Mich. Feed device or feed-hopper. No. 879,366; Feb. 18; Sp. p. 3005; Dr. p. 628; Gaz. vol. 132; p. 1403.
- Conway, J. J., Bellingham, Wash. Cooking utensil. No. 895,433; Aug. 11; Sp. p. 1317; Dr. p. 277; Gaz. vol. 135; p. 1136.
- Conway, J. J., assignor to Acme Shear Company, Bridgeport, Conn. Tension device for shears. No. 907,464; Dec. 22; Sp. p. 4581; Gaz. vol. 137; p. 1838.
- Conway, J. M., Woodlawn, assignor of two-thirds to D. M. and W. M. Drennen, Birmingham, Ala. Gas-making apparatus. No. 896,801; Aug. 25; Sp. p. 4046; Dr. p. 871; Gaz. vol. 135; p. 1624.
- Conzetti, A., assignor to Aniline Colour and Extract Works, formerly J. R. Geigy, Basel, Switzerland. Triphenylmethane dye and making same. No. 877,052; Jan. 21; Sp. p. 2823; Gaz. vol. 132; p. 526.
- Conzetti, A., assignor to Aniline Colour and Extract Works, formerly J. R. Geigy, Basel, Switzerland. Triphenylmethane dye and making same. No. 877,053; Jan. 21; Sp. p. 2825; Gaz. vol. 132; p. 527.
- Conzetti, A., assignor to Aniline Colour and Extract Works, formerly J. R. Geigy, Basel, Switzerland. Triphenylmethane dye and making same. No. 877,054; Jan. 21; Sp. p. 2826; Gaz. vol. 132; p. 527.
- Coo, T. J., Toronto, Ontario, Canada, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 877,909; Feb. 4; Sp. p. 29; Dr. p. 6; Gaz. vol. 132; p. 853.
- Coogan, E. D., Caulksville, Ark. Grapple. No. 885,442; Apr. 21; Sp. p. 3645; Dr. p. 765; Gaz. vol. 133; p. 1830.
- Cook, B. J. (See McGregor, A. L., assignor.)
- Cook, B. W., Poseyville, Mich., assignor to Cook Clevis Co., Chicago, Ill. Clevis. No. 876,333; Jan. 14; Sp. p. 1286; Dr. p. 278; Gaz. vol. 132; p. 244.
- Cook, C., New Britain, Conn. Clothes-hanger. No. 888,697; May 26; Sp. p. 4771; Dr. p. 1015; Gaz. vol. 134; p. 866.
- Cook, C. B., Hartford, Conn. Stick-file. No. 888,472; May 26; Sp. p. 4294; Dr. p. 909; Gaz. vol. 134; p. 789.
- Cook, C. B., Hartford, Conn. Loose-leaf binder. No. 897,878; Sept. 8; Sp. p. 1299; Dr. p. 278; Gaz. vol. 136; p. 237.
- Cook, C. E. (See Rounds and Cook.)

Alphabetical list of patentees—Continued.

- Cook, C. P., Plymouth, Conn. Automatic stop for phonographs. No. 890,338; June 9; Sp. p. 2323; Dr. p. 513; Gaz. vol. 134; p. 1456.
- Cook, C. W., Evansville, Ind. Bottle-cap. No. 876,149; Jan. 7; Sp. p. 905; Dr. p. 195; Gaz. vol. 132; p. 154.
- Cook, C. W., Holyoke, Mass. Combined envelop and letter-sheet. No. 882,297; Mar. 17; Sp. p. 3620; Dr. p. 768; Gaz. vol. 133; p. 653.
- Cook Clevis Co. (See Cook, B. W., assignor.)
- Cook, E. (See Butler and Cook, assignors.)
- Cook, E. C., et al. (See Shinn and Denton, assignors.)
- Cook, E. E., assignor to Randolph Paper Box Company, Richmond, Va. Collaring-machine. No. 877,297; Jan. 21; Sp. p. 3318; Dr. pp. 719-21; Gaz. vol. 132; p. 607.
- Cook, E. F., Freeport, N. Y. Connection for water-receptacles. No. 900,485; Oct. 6; Sp. p. 876; Dr. p. 179; Gaz. vol. 136; p. 1209.
- Cook, E. G., Brooklyn, N. Y. Metal barrel. No. 880,507; Mar. 3; Sp. p. 31; Dr. p. 7; Gaz. vol. 133; p. 8.
- Cook, E. M., Indianapolis, Ind. Automatic sprinkler-head. No. 877,551; Jan. 28; Sp. p. 3847; Dr. p. 832; Gaz. vol. 132; p. 712.
- Cook, E. M., Indianapolis, Ind. Dry-pipe valve. No. 877,552; Jan. 28; Sp. p. 3848; Dr. p. 832; Gaz. vol. 132; p. 712.
- Cook, E. M., Oberlin, Ohio. Piston for cylinders of steam-engines. No. 880,361; Feb. 25; Sp. p. 5076; Dr. p. 1072; Gaz. vol. 132; p. 1762.
- Cook, E. O., Norman, Okla. Pie-tin. No. 883,296; Mar. 31; Sp. p. 5604; Dr. p. 1194; Gaz. vol. 133; p. 1044.
- Cook, E. P., Oberlin, Pa. Railway signal system. No. 889,205; June 2; Sp. p. 31; Dr. pp. 8-9; Gaz. vol. 134; p. 1063.
- Cook, E. R., assignor of one-half to F. Anthony, Portland, Oreg. Gold-concentrating apparatus. No. 880,631; Mar. 3; Sp. p. 286; Dr. pp. 61-2; Gaz. vol. 133; p. 50.
- Cook, E. W. (See Malik and Cook.)
- Cook, F. B. (See Kaisting, W., assignor.)
- Cook, F. B. (See Maxstadt, F. W., assignor.)
- Cook, F. B. (See Nolen, J. G., assignor.)
- Cook, F. B., Chicago, Ill. Cable-terminal. No. 879,035; Feb. 11; Sp. p. 2343; Dr. p. 490; Gaz. vol. 132; p. 1254.
- Cook, F. B., Chicago, Ill. Wire-rope clamp. No. 879,087; Feb. 11; Sp. p. 2460; Dr. p. 512; Gaz. vol. 132; p. 1271.
- Cook, F. B., Chicago, Ill. Cable-terminal. No. 883,625; Mar. 31; Sp. p. 6270; Dr. pp. 1337-8; Gaz. vol. 133; p. 1148.
- Cook, F. B., Chicago, Ill. Electrical line-protector. No. 883,626; Mar. 31; Sp. p. 6272; Dr. p. 1338; Gaz. vol. 133; p. 1148.
- Cook, F. B., Chicago, Ill. Guy-clamp. No. 888,313; May 19; Sp. p. 3957; Dr. p. 833; Gaz. vol. 134; p. 707.
- Cook, F. B., Chicago, Ill. Cable-terminal. No. 889,442; June 2; Sp. p. 501; Dr. p. 119; Gaz. vol. 134; p. 1138.
- Cook, F. B., Chicago, Ill. Electrothermal protector. No. 891,463; June 23; Sp. p. 4614; Dr. p. 1002; Gaz. vol. 134; p. 1889.
- Cook, F. B., Chicago, Ill. Electrode for lightning-arresters. No. 896,802; Aug. 25; Sp. p. 4047; Dr. p. 871; Gaz. vol. 135; p. 1624.
- Cook, F. B., Chicago, Ill. Cable-terminal. No. 897,062; Aug. 25; Sp. p. 4629; Dr. pp. 985-6; Gaz. vol. 135; p. 1712.
- Cook, F. B., Chicago, Ill. Substation-protector. No. 897,590; Sept. 1; Sp. p. 715; Dr. p. 150; Gaz. vol. 136; p. 113.
- Cook, F. B., Chicago, Ill. Connector for electrical conductors. No. 901,422; Oct. 20; Sp. p. 2835; Dr. p. 580; Gaz. vol. 136; p. 1578.
- Cook, F. B., Chicago, Ill. Electrical protective apparatus. No. 903,812; Nov. 10; Sp. p. 2559; Gaz. vol. 137; p. 447.
- Cook, F. B., Chicago, Ill. Contactless thermal protector. No. 903,813; Nov. 10; Sp. p. 2562; Gaz. vol. 137; p. 448.
- Cook, F. B., Chicago, Ill. Non-explosive fuse. No. 905,503; Dec. 1; Sp. p. 802; Gaz. vol. 137; p. 1111.
- Cook, F. B., Chicago, Ill. Repairing and testing means for contactless thermal protectors. No. 906,615; Dec. 15; Sp. p. 2895; Gaz. vol. 137; p. 1524.
- Cook, F. C. (See Davis, T. J., assignor.)
- Cook, F. H., Spokane, Wash. Game apparatus. No. 879,036; Feb. 11; Sp. p. 2344; Dr. p. 490; Gaz. vol. 132; p. 1254.
- Cook, F. H., Buckeye, Wash. Means for transferring passengers and the like to and from moving trains. No. 881,377; Mar. 10; Sp. p. 1779; Dr. pp. 383-4; Gaz. vol. 133; p. 326.
- Cook, F. M., North Dover, Ohio. Clamp for adjusting plow-wheels. No. 906,693; Dec. 15; Sp. p. 3047; Gaz. vol. 137; p. 1549.
- Cook, F. P., Spokane, Wash. Automatic switch-thrower. No. 905,656; Dec. 1; Sp. p. 1085; Gaz. vol. 137; p. 1158.
- Cook, F. P., and A. N. Miller, Milwaukee, Wis. Locomotive. No. 895,843; Aug. 11; Sp. p. 2143; Dr. pp. 455-6; Gaz. vol. 135; p. 1269.
- Cook, G. J., Port Huron, Mich. Water-trough for poultry crates or coops. No. 884,716; Apr. 14; Sp. p. 2155; Dr. p. 468; Gaz. vol. 133; p. 1563.
- Cook, H. F., Colorado Springs, Colo. Display-rack. No. 898,970; Sept. 15; Sp. p. 3418; Dr. p. 734; Gaz. vol. 136; p. 622.
- Cook, H. J., Ottumwa, Iowa. Rock-drill. No. 881,059; Mar. 3; Sp. p. 1127; Dr. pp. 244-5; Gaz. vol. 133; p. 193.
- Cook, H. R., Fareham, England. Photographic enlarging or reducing apparatus. No. 895,968; Aug. 11; Sp. p. 2389; Dr. pp. 509-10; Gaz. vol. 135; p. 1309.
- Cook, J., et al. (See Messer, J. C., assignor.)
- Cook, J. (See Stevenson and Cook.)
- Cook, J., Philadelphia, Pa. Reinforced brake-shoe. No. 877,055; Jan. 21; Sp. p. 2827; Dr. p. 610; Gaz. vol. 132; p. 527.
- Cook, J. A., East Bridgewater, Mass. Gridiron. No. 890,219; June 9; Sp. p. 2054; Dr. p. 451; Gaz. vol. 134; p. 1418.
- Cook, J. H., Homer, Mich. Friction transmission mechanism for power-driven vehicles. No. 879,367; Feb. 18; Sp. p. 3008; Dr. p. 629; Gaz. vol. 132; p. 1404.
- Cook, J. H., New York, N. Y. Manhole-locking device. No. 887,591; May 12; Sp. p. 2559; Dr. p. 540; Gaz. vol. 134; p. 441.
- Cook, J. H., assignor to Detroit Wire Spring Co., Detroit, Mich. Spring-seat structure. No. 876,527; Jan. 14; Sp. p. 1714; Dr. p. 372; Gaz. vol. 132; p. 311.
- Cook, J. J., Medford, assignor to Crosby Steam Gage and Valve Company, Boston, Mass. Valve. No. 881,060; Mar. 3; Sp. p. 1129; Dr. p. 245; Gaz. vol. 133; p. 193.
- Cook, J. N., Westover, Mo. Wrench. No. 879,525; Feb. 18; Sp. p. 3348; Dr. p. 699; Gaz. vol. 132; p. 1455.
- Cook, L. G., Detroit, Mich. Tire-case. No. 889,585; June 2; Sp. p. 788; Dr. p. 179; Gaz. vol. 134; p. 1184.
- Cook, L. P., Clarendon, N. Y. Wagon-rack standard. No. 895,344; Aug. 4; Sp. p. 1141; Dr. p. 239; Gaz. vol. 135; p. 1084.
- Cook, M. D., Springfield, Mass. Toy. No. 897,523; Sept. 1; Sp. p. 585; Dr. p. 121; Gaz. vol. 136; p. 92.
- Cook, R. J. (See Harvey and Cook.)
- Cook, S. G., East St. Louis, Ill., assignor to himself, trustee. Adding-machine. No. 884,468; Apr. 14; Sp. p. 1614; Dr. pp. 348-9; Gaz. vol. 133; p. 1480.
- Cook, S. L., Golden City, Mo. Animal-carrier. No. 889,586; June 2; Sp. p. 788; Dr. p. 179; Gaz. vol. 134; p. 1184.
- Cook, W. A., New York, N. Y. Feed mechanism for phonographs. No. 878,121; Feb. 4; Sp. p. 457; Dr. p. 97; Gaz. vol. 132; p. 923.
- Cook, W. H., London, England. Fast nut. No. 875,782; Jan. 7; Sp. p. 206; Dr. p. 44; Gaz. vol. 132; p. 38.
- Cooke, D. D., Milwaukee, Wis. Lifting-jack. No. 887,190; May 12; Sp. p. 1673; Dr. p. 355; Gaz. vol. 134; p. 307.
- Cooke, F. A., Seattle, Wash. Life-preserver. No. 906,109; Dec. 8; Sp. p. 1965; Gaz. vol. 137; p. 1335.
- Cooke, G. P. (See Schoening, C. J., assignor.)
- Cooke, H. D., Monmouth Beach, N. J., and A. Fornander, New York, N. Y. Apparatus for treating milk. No. 902,858; Nov. 3; Sp. p. 661; Gaz. vol. 137; p. 111.
- Cooke, R. H., Buffalo, N. Y. Automatic cut-off for gas burners. No. 891,670; June 23; Sp. p. 5063; Dr. p. 1092; Gaz. vol. 134; p. 1957.
- Cooke, W. B., Jenkintown, assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Movable-point crossing. No. 884,717; Apr. 14; Sp. p. 2156; Dr. p. 458; Gaz. vol. 133; p. 1563.
- Cooke, W. B., Jenkintown, assignor to William Wharton Jr. & Company, Incorporated, Philadelphia, Pa. Guard-rail clamp. No. 888,314; May 19; Sp. p. 3959; Dr. p. 833; Gaz. vol. 134; p. 707.
- Cooke, W. J., Oak Park, assignor to McGuire-Cummings Manufacturing Company, Chicago, Ill. Car-door. No. 899,385; Sept. 22; Sp. p. 4221; Dr. p. 904; Gaz. vol. 136; p. 783.
- Cookman, T. E., Everson, Wash. Saw-tool. No. 900,666; Oct. 6; Sp. p. 1275; Dr. p. 260; Gaz. vol. 136; p. 1269.
- Cook's Standard Tool Company. (See Butler and Cook, assignors.)
- Cooksey, W. L., Fort Worth, Tex. Roller-bearing trolley-wheel. No. 897,063; Aug. 25; Sp. p. 4632; Dr. p. 986; Gaz. vol. 135; p. 1713.
- Cookson, C. L., assignor to Panama Hay Press Co., Kansas City, Mo. Baling-press. No. 877,173; Jan. 21; Sp. p. 3079; Dr. p. 666; Gaz. vol. 132; p. 566.
- Cookson, J. H. (See Cuniff and Cookson.)
- Cookson, W. C. (See Clark and Cookson.)
- Cookston, I. R., Ottumwa, Iowa. Water-glass shield. No. 907,465; Dec. 22; Sp. p. 4581; Gaz. vol. 137; p. 1838.
- Cooley, G. T., Joplin, Mo. Ore-concentrator. No. 887,922; May 19; Sp. p. 3225; Dr. pp. 678-9; Gaz. vol. 134; p. 581.
- Cooley, P. J., Chicago, Ill. Carpenter's square. No. 895,241; Aug. 4; Sp. p. 953; Dr. p. 199; Gaz. vol. 135; p. 1051.
- Coolidge, L. (See Foss and Coolidge.)
- Coomer, J. G., Belleville, Mich. Mold. No. 903,453; Nov. 10; Sp. p. 1826; Gaz. vol. 137; p. 332.
- Coon, G., Index, Wash. Card-case. No. 905,657; Dec. 1; Sp. p. 1087; Gaz. vol. 137; p. 1158.
- Coon, J. S., Rantoul, Ill. Grain cleaner and drier. No. 892,502; July 7; Sp. p. 226; Dr. p. 47; Gaz. vol. 135; p. 42.
- Coon, R. E., Portland, Oreg. Screw-propeller. No. 881,775; Mar. 10; Sp. p. 2538; Dr. p. 546; Gaz. vol. 133; p. 453.
- Coon, R. E., Portland, Oreg. Current water-motor. No. 891,671; June 23; Sp. p. 5065; Dr. p. 1093; Gaz. vol. 134; p. 1957.
- Cooner, J. G., Macon, Ga. Display device. No. 908,076; Dec. 29; Sp. p. 5866; Gaz. vol. 137; p. 2067.
- Coons, A. and G., New York, N. Y. Support for lavatories. No. 899,956; Sept. 29; Sp. p. 5415; Dr. p. 1154; Gaz. vol. 136; p. 1005.
- Coons, A. B. (See Gordon, W., assignor.)

Alphabetical list of patentees—Continued.

- Coons, G. (See Coons, A. and G.)
 Cooper, A., *et al.* (See Gerstein, M., assignor.)
 Cooper, A. N., Darby, Mont. Cup-handle. No. 894,725; July 28; Sp. p. 4866; Dr. p. 1012; Gaz. vol. 135; p. 849.
 Cooper, B. J., London, England. Producing colored photographs. No. 893,554; Sept. 15; Sp. p. 2656; Gaz. vol. 136; p. 488.
 Cooper, C., Garden City, Kans. Steel derrick and excavating machine. No. 891,796; June 23; Sp. p. 5309; Dr. p. 1149; Gaz. vol. 134; p. 2001.
 Cooper, D. P., Struthers, Ohio. Reinforced bar for vehicle running-gears. No. 878,939; Feb. 11; Sp. p. 2179; Dr. p. 455; Gaz. vol. 132; p. 1225.
 Cooper, E. (See Wellan, F., assignor.)
 Cooper, E., assignor to American Mica Company, Newton, Mass. Machine for folding sheets of mica. No. 890,500; June 9; Sp. p. 2615; Dr. p. 580; Gaz. vol. 134; p. 1507.
 Cooper, E. P., Paw Paw, assignor of one-half to O. J. Cooper, Hillsdale, Mich. Drive and steering gear for automobile vehicles. No. 883,589; May 26; Sp. p. 4527; Dr. pp. 960-2; Gaz. vol. 134; p. 830.
 Cooper, E. R. (See Lewis, C. A., assignor.)
 Cooper, F. J., assignor of one-half to J. M. Skinner, Toledo, Ohio. Wheel. No. 876,334; Jan. 14; Sp. p. 1287; Dr. p. 278; Gaz. vol. 132; p. 244.
 Cooper, G., assignor of two-thirds to R. G. Russell and P. Caffrey, Ansonia, Conn. Knob attachment. No. 888,315; May 19; Sp. p. 3960; Dr. p. 834; Gaz. vol. 134; p. 707.
 Cooper, G. L. (See Bush, J. F., assignor.)
 Cooper, G. L., Troy, assignor of thirty-five one-hundredths to J. F. Bush, Schenectady, N. Y. Vehicle-speed signal. No. 895,434; Aug. 11; Sp. p. 1318; Dr. pp. 277-8; Gaz. vol. 135; p. 1317.
 Cooper Hewitt Electric Company. (See Flichtner, S. E., assignor.)
 Cooper Hewitt Electric Company. (See Hewitt, P. C., assignor.)
 Cooper Hewitt Electric Company. (See Howard, H. H., assignor.)
 Cooper Hewitt Electric Company. (See Potter, H. N., assignor.)
 Cooper Hewitt Electric Company. (See Recklinghausen, M. von, assignor.)
 Cooper Hewitt Electric Company. (See Thomas, P. H., assignor.)
 Cooper, J., assignor of two-thirds to J. Cooper, Jr., and G. E. Pitzer, Carnegie, Pa. Pipe-wrench. No. 893,903; July 21; Sp. p. 3184; Dr. p. 654; Gaz. vol. 135; p. 559.
 Cooper, J., Jr., *et al.* (See Cooper, J., assignor.)
 Cooper, J. D., Grand Rapids, Mich. Cane-harvester. No. 880,362; Feb. 25; Sp. p. 5077; Dr. p. 1073; Gaz. vol. 132; p. 1763.
 Cooper, J. E., Stratford, London, England. Journal-box for road and other vehicles. No. 878,355; Feb. 4; Sp. p. 937; Dr. pp. 186-7; Gaz. vol. 132; p. 1001.
 Cooper, J. E., London, England. Roundabout or merry-go-round. No. 907,746; Dec. 29; Sp. p. 5189; Gaz. vol. 137; p. 1958.
 Cooper, J. L., Pulaski, Va. Boiler compound. No. 880,126; Feb. 25; Sp. p. 4612; Gaz. vol. 132; p. 1684.
 Cooper, J. T., Cassville, Mo. Electric switch. No. 895,345; Aug. 4; Sp. p. 1142; Dr. p. 240; Gaz. vol. 135; p. 1084.
 Cooper, J. W., Seattle, Wash. Hoisting and conveying apparatus. No. 879,744; Feb. 18; Sp. p. 3813; Dr. p. 799; Gaz. vol. 132; p. 1527.
 Cooper, J. W., Seattle, Wash. Thawing device. No. 879,745; Feb. 18; Sp. p. 3815; Dr. p. 600; Gaz. vol. 132; p. 1528.
 Cooper, J. W., Boston, Mass. Rotary engine. No. 887,463; May 12; Sp. p. 2303; Dr. p. 434; Gaz. vol. 134; p. 399.
 Cooper, J. W., Boston, Mass. Nut-lock. No. 890,339; June 9; Sp. p. 2324; Dr. p. 513; Gaz. vol. 134; p. 1457.
 Cooper, J. W., Boston, Mass. Sash-hanger. No. 895,162; Aug. 4; Sp. p. 768; Dr. p. 160; Gaz. vol. 135; p. 1022.
 Cooper, J. W., Boston, Mass. Automobile running-gear. No. 897,591; Sept. 1; Sp. p. 716; Dr. p. 151; Gaz. vol. 136; p. 114.
 Cooper, J. W., Boston, Mass. Stringer and tie. No. 897,592; Sept. 1; Sp. p. 720; Dr. p. 152; Gaz. vol. 136; p. 114.
 Cooper, L. M., assignor of one-half to A. Adair, Flint, Mich. Key-ring and door-securer. No. 898,725; Sept. 15; Sp. p. 2978; Dr. p. 638; Gaz. vol. 136; p. 542.
 Cooper, M., Minneapolis, Minn. Refrigerator-car. No. 881,902; Mar. 17; Sp. p. 2835; Dr. p. 605; Gaz. vol. 133; p. 525.
 Cooper, O., Urbana, Ohio. Rope tie. No. 904,843; Nov. 24; Sp. p. 4763; Gaz. vol. 137; p. 855.
 Cooper, O. J. (See Cooper, E. P., assignor.)
 Cooper, T., Kidderminster, England. Loom for the weaving of tufted fabrics. No. 891,147; June 16; Sp. p. 3940; Dr. pp. 862-4; Gaz. vol. 134; p. 1751.
 Cooper, W., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Contact-finger. No. 879,245; Feb. 18; Sp. p. 2769; Dr. p. 580; Gaz. vol. 132; p. 1364.
 Cooper, W., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electric-motor control. No. 889,907; June 9; Sp. p. 1409; Dr. p. 320; Gaz. vol. 134; p. 1312.
 Cooper, W., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regenerative system of control. No. 889,908; June 9; Sp. p. 1411; Dr. pp. 320-1; Gaz. vol. 134; p. 1313.
 Cooper, W., Cincinnati, Ohio, assignor, by mesne assignments, to Bottle Capping Machine Company, New York, N. Y. Bottle-capping machine. No. 899,861; Sept. 29; Sp. p. 5223; Dr. p. 1117; Gaz. vol. 136; p. 976.
 Cooper, W., Wilkinsburg, and O. A. Sandborgh, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electric-motor-control system. No. 905,848; Dec. 8; Sp. p. 1453; Gaz. vol. 137; p. 1252.
 Cooper, W. F., assignor to A. B. Chase Company, Norwalk, Ohio. Mechanical playing apparatus. No. 897,820; Sept. 1; Sp. p. 1176; Dr. p. 250; Gaz. vol. 136; p. 187.
 Cooper, W. J., assignor to Seagrave Company, Columbus, Ohio. Ladder. No. 892,980; July 14; Sp. p. 1195; Dr. p. 252; Gaz. vol. 135; p. 227.
 Cooperider, J., Madison, Ind. Atomizer. No. 891,911; June 30; Sp. p. 5556; Dr. p. 1197; Gaz. vol. 134; p. 2070.
 Coopersmith, R., and C. J. Kindel, St. Louis, Mo. Davenport. No. 880,278; Feb. 25; Sp. p. 4931; Dr. p. 1043; Gaz. vol. 132; p. 1736.
 Coops, C. W., Taunton, assignor to Coops Manufacturing Company, Boston, Mass. Carriage-top. No. 891,815; June 30; Sp. p. 5366; Dr. p. 1161; Gaz. vol. 134; p. 2038.
 Coops Manufacturing Company. (See Coops, C. W., assignor.)
 Coover, A. J., Medway, Ohio. Railway-track brace. No. 877,759; Jan. 28; Sp. p. 4229; Dr. p. 918; Gaz. vol. 132; p. 777.
 Cope, B. G., assignor to Cyclone Drill Company, Orrville, Ohio. Derrick-hoist. No. 903,271; Nov. 10; Sp. p. 1478; Gaz. vol. 137; p. 273.
 Cope, G. W., assignor to A. Pond, Jr., Detroit, Mich. Furnace. No. 902,714; Nov. 3; Sp. p. 366; Gaz. vol. 137; p. 62.
 Cope, J. H., Windsor, Colo. Hay-rake. No. 891,148; June 16; Sp. p. 3944; Dr. p. 864; Gaz. vol. 134; p. 1751.
 Cope, T., New Waterford, Ohio. Cable insulating and testing system. No. 882,141; Mar. 17; Sp. p. 3307; Dr. p. 705; Gaz. vol. 133; p. 603.
 Copeland, B. (See Davis and Copeland.)
 Copeland, D. W., Syracuse, N. Y. Thill-coupling. No. 889,587; June 2; Sp. p. 790; Dr. p. 179; Gaz. vol. 134; p. 1185.
 Copeland, E. A., Tionesta, Pa. Stand-valve-extracting means for oil-well pumps. No. 879,147; Feb. 18; Sp. p. 2587; Dr. p. 538; Gaz. vol. 132; p. 1332.
 Copeland, J., Denver, Colo. Engine. No. 877,910; Feb. 4; Sp. p. 31; Dr. pp. 6-7; Gaz. vol. 132; p. 854.
 Copeland, J. N., assignor to J. N. Rickles, Altoona, Ala. Picture-hanger. No. 893,788; July 21; Sp. p. 2940; Dr. p. 601; Gaz. vol. 135; p. 522.
 Copeland, J. N., assignor to J. N. Rickles, Altoona, Ala. Picture-hanger. No. 894,817; Aug. 4; Sp. p. 28; Dr. p. 6; Gaz. vol. 135; p. 905.
 Copeland, R. J., Toronto, Ontario, Canada. Binder. No. 876,624; Jan. 14; Sp. p. 1935; Dr. p. 422; Gaz. vol. 132; p. 345.
 Copeland, W. L., Timmonsville, S. C. Combined fork and rake. No. 903,678; Nov. 10; Sp. p. 2302; Gaz. vol. 137; p. 404.
 Copenhaver, E. H., and W. Colvin, Dunlevy, Pa. Roller-skate. No. 882,999; Mar. 24; Sp. p. 4990; Dr. p. 1061; Gaz. vol. 133; p. 916.
 Copland, A. W. (See Mill and Copland.)
 Copland, A. W., Detroit, Mich. Dough-feeding device. No. 879,852; Feb. 25; Sp. p. 4047; Dr. pp. 848-9; Gaz. vol. 132; p. 1595.
 Copland, A. W., Detroit, Mich. Oven-feeding device. No. 891,816; June 30; Sp. p. 5368; Dr. p. 1162; Gaz. vol. 134; p. 2038.
 Copland, A. W., Detroit, Mich. Dough and cracker handling machine. No. 891,817; June 30; Sp. p. 5373; Dr. pp. 1162-4; Gaz. vol. 134; p. 2038.
 Copland, A. W., Detroit, Mich. Dough-feeding mechanism. No. 898,726; Sept. 15; Sp. p. 2979; Dr. pp. 638-9; Gaz. vol. 136; p. 542.
 Coply, G. B. (See Seams and Coply.)
 Copp, C. S., and L. Frank, Jacksonville, Ill. Display-rack. No. 877,760; Jan. 28; Sp. p. 4231; Dr. p. 918; Gaz. vol. 132; p. 777.
 Coppedge, J. J., *et al.* (See Holder, W. J., assignor.)
 Coppée, E., Brussels, Belgium. Regenerative coke-oven. No. 875,896; Jan. 7; Sp. p. 415; Dr. p. 92; Gaz. vol. 132; p. 76.
 Copperthite, H., *et al.* (See De Groot and Kendrick, assignors.)
 Coppock, C., Fort Thomas, Ariz. Ter. Tongue-support. No. 905,658; Dec. 1; Sp. p. 1088; Gaz. vol. 137; p. 1158.
 Coppock, L. W., assignor to Coppock Motor Car Company, Marion, Ind. Starter for combustion-engines. No. 888,226; May 19; Sp. p. 3796; Dr. p. 797; Gaz. vol. 134; p. 679.
 Coppock Motor Car Company. (See Coppock, L. W., assignor.)
 Coppridge, E. W. (See Coppridge, J. A. and E. W.)
 Coppridge, J. A. and E. W., Richmond, Va. Hot-water heater. No. 878,356; Feb. 4; Sp. p. 938; Dr. p. 187; Gaz. vol. 132; p. 1001.

Alphabetical list of patentees—Continued.

- Copyograph Manufacturing Company. (See Shepard, F. P., assignor.)
 Corbeille, A., Detroit, Mich. Window. No. 908,394; Dec. 29; Sp. p. 6558; Gaz. vol. 137; p. 2177.
 Corbett, A. E. (See Clifford, F., assignor.)
 Corbett, D. J. (See Clifford, F., assignor.)
 Corbett, W., Smith's Falls, Ontario, Canada. Sheet-metal window-sill. No. 907,747; Dec. 29; Sp. p. 5191; Gaz. vol. 137; p. 1959.
 Corbett, W. H., Portland, Oreg. Friction-clutch. No. 877,489; Jan. 28; Sp. p. 3691; Dr. p. 800; Gaz. vol. 132; p. 690.
 Corbin Cabinet Lock Company. (See Corbin, W. R., assignor.)
 Corbin Cabinet Lock Company. (See Johnson, C. E., assignor.)
 Corbin, H. P., Moline, Ill., assignor to C. A. Willey Company, New York, N. Y. Wheel-painting machine. No. 883,172; Mar. 31; Sp. p. 5341; Dr. p. 1137; Gaz. vol. 133; p. 1002.
 Corbin Motor Vehicle Corporation. (See Duryea, C. E., assignor.)
 Corbin, R., Champlain, N. Y. Paper-clip. No. 899,386; Sept. 22; Sp. p. 4223; Dr. p. 904; Gaz. vol. 136; p. 784.
 Corbin, W. F., Grand Rapids, Mich. Wrench. No. 892,503; July 7; Sp. p. 227; Dr. p. 47; Gaz. vol. 135; p. 42.
 Corbin, W. R., assignor to Corbin Cabinet Lock Company, New Britain, Conn. Key-duplicator. No. 894,726; July 28; Sp. p. 4867; Dr. p. 1013; Gaz. vol. 135; p. 850.
 Corbitt, T. S., Kirkland, Ga. Envelop. No. 898,187; Sept. 8; Sp. p. 1944; Dr. p. 415; Gaz. vol. 136; p. 337.
 Corby, T. J. (See Richard, J. H., assignor.)
 Corcellus, A. B., assignor to E. C. Anderson, H. J. Burr, and H. Hirschauer, Jamestown, N. Y. Hame-fastener. No. 879,813; Feb. 18; Sp. p. 3931; Dr. p. 824; Gaz. vol. 132; p. 1549.
 Corcoran, R. M., Cleveland, Ohio. Joint-wiping apparatus. No. 881,665; Mar. 10; Sp. p. 2336; Dr. pp. 506-7; Gaz. vol. 133; p. 420.
 Corcoran, T., Brockton, Mass. Sporting-shoe. No. 888,473; May 26; Sp. p. 4296; Dr. p. 909; Gaz. vol. 134; p. 789.
 Corcoran, T. J., Norwood, Ohio. Machine for beveling glass. No. 892,226; June 30; Sp. p. 6165; Dr. p. 1328; Gaz. vol. 134; p. 2172.
 Cordell, H., Chicago, Ill. Riveter. No. 890,965; June 16; Sp. p. 3627; Dr. p. 789; Gaz. vol. 134; p. 1694.
 Cordery, J. W., et al. (See Easterbrooks, W. E., assignor.)
 Cordes, A. W., Berlin, Germany, assignor to F. W. Stocker, Hoboken, N. J. Locking device. No. 879,946; Feb. 25; Sp. p. 4266; Dr. p. 892; Gaz. vol. 132; p. 1627.
 Cordingley, W. A., Paisley, England. Appliance for cleaning the delivery-rollers of mule spinning and twisting frames. No. 901,784; Oct. 20; Sp. p. 3620; Dr. p. 733; Gaz. vol. 136; p. 1697.
 Cordley, H. G. (See Stevens and Cordley.)
 Cordley, H. G., Glenridge, N. J. Water-cooler. No. 882,552; Mar. 24; Sp. p. 4095; Dr. p. 869; Gaz. vol. 133; p. 769.
 Cordley, H. G., Glenridge, N. J. Water-cooler. No. 903,844; Nov. 17; Sp. p. 2640; Gaz. vol. 137; p. 490.
 Cordley, H. G., Glenridge, N. J. Fastening and sealing device for pails. No. 906,201; Dec. 8; Sp. p. 2133; Gaz. vol. 137; p. 1366.
 Corey, D. W., St. Louis, Mo., assignor to Union Special Machine Company, Chicago, Ill. Needle-guard for sewing-machines. No. 898,403; Sept. 8; Sp. p. 2332; Dr. p. 495; Gaz. vol. 136; p. 406.
 Corey, F. A., Santa Paula, Cal. Automatic starter for gasoline-engines. No. 896,057; Aug. 11; Sp. p. 2553; Dr. p. 552; Gaz. vol. 135; p. 1339.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. Railway-signal. No. 876,944; Jan. 21; Sp. p. 2584; Dr. p. 563; Gaz. vol. 132; p. 458.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. Emergency-brake. No. 881,552; Mar. 10; Sp. p. 2101; Dr. p. 459; Gaz. vol. 133; p. 382.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. Block-signal system. No. 882,553; Mar. 24; Sp. p. 4096; Dr. p. 869; Gaz. vol. 133; p. 770.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. Signal. No. 882,554; Mar. 24; Sp. p. 4099; Dr. pp. 869-70; Gaz. vol. 133; p. 770.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. Electrically-operated track-switch. No. 888,389; May 19; Sp. p. 4105; Dr. p. 866; Gaz. vol. 134; p. 730.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. Charging system for storage batteries. No. 896,973; Aug. 25; Sp. p. 4439; Dr. p. 949; Gaz. vol. 135; p. 1681.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. Block-signal system. No. 897,524; Sept. 1; Sp. p. 586; Dr. p. 122; Gaz. vol. 136; p. 92.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. High-tension circuit-breaker. No. 900,708; Oct. 13; Sp. p. 1367; Dr. p. 278; Gaz. vol. 136; p. 1310.
 Corey, F. B., Schenectady, N. Y., assignor to General Electric Company. Emergency-brake. No. 904,844; Nov. 24; Sp. p. 4764; Gaz. vol. 137; p. 855.
 Cork Asphalt Limited. (See Hughes, Quinlan, and Middleton, assignors.)
 Corlew, C. M., Sioux Falls, S. D. Package-tie. No. 905,289; Dec. 1; Sp. p. 318; Gaz. vol. 137; p. 1035.
 Corley, E. R. (See Turner and Corley.)
 Corliss, F. A., Boston, Mass. Finger-cot. No. 883,452; Mar. 31; Sp. p. 5945; Dr. p. 1268; Gaz. vol. 133; p. 1095.
 Corliss, M. A., Arkansas City, Kans. Envelop. No. 886,350; May 5; Sp. p. 22; Dr. p. 5; Gaz. vol. 134; p. 7.
 Cornick, J. H., Belleville, N. J., assignor to Union Switch and Signal Company, Swissvale, Pa. Switch for charging and discharging storage batteries. No. 901,423; Oct. 20; Sp. p. 2837; Dr. p. 580; Gaz. vol. 136; p. 1578.
 Cornelius, E., Trölkättan, Sweden. Electric furnace. No. 900,486; Oct. 6; Sp. p. 877; Dr. p. 179; Gaz. vol. 136; p. 1209.
 Cornell, C. H. (See Boyer, W., assignor.)
 Cornell, D. F. (See Edwards, Ellis, and Cornell.)
 Cornell, J. A., Youngs, N. Y. Milk-pail. No. 898,971; Sept. 15; Sp. p. 3420; Dr. p. 735; Gaz. vol. 136; p. 623.
 Cornell, J. E., Chicago, Ill., assignor, by mesne assignments, to Bates Valve Bag Company, Cleveland, Ohio. Bag. No. 895,435; Aug. 11; Sp. p. 1322; Dr. p. 278; Gaz. vol. 135; p. 1137.
 Cornell, S. F., et al. (See Crepat, T. M., assignor.)
 Cornely, R., Paris, France. Ornamental seam. No. 881,903; Mar. 17; Sp. p. 2836; Dr. p. 606; Gaz. vol. 133; p. 523.
 Cornely, R., Paris, France. Embroidery work. No. 891,594; June 23; Sp. p. 4888; Dr. p. 1053; Gaz. vol. 134; p. 1930.
 Cornet, L. P. (See Bowe, J. C., assignor.)
 Cornforth, R. G., Seymour, Conn. Ball-bearing. No. 886,949; May 5; Sp. p. 1215; Dr. p. 256; Gaz. vol. 134; p. 202.
 Cornforth, R. G., Seymour, Conn. Ball-bearing. No. 886,950; May 5; Sp. p. 1216; Dr. p. 257; Gaz. vol. 134; p. 202.
 Cornish, H. S., New York, N. Y. Liquid-dispensing apparatus. No. 887,312; May 12; Sp. p. 1991; Dr. p. 418; Gaz. vol. 134; p. 350.
 Cornish, H. S., New York, N. Y., assignor to New York Liquid Dispensing Machine Company. Means for measuring and mixing liquids. No. 881,533; Mar. 10; Sp. p. 2106; Dr. p. 460; Gaz. vol. 133; p. 383.
 Cornish, T. J., Los Angeles, Cal. Hydrocarbon-vapor burner. No. 888,423; May 19; Sp. p. 4192; Dr. p. 888; Gaz. vol. 134; p. 743.
 Corns, W. H. (See Wenrich, E. Z., assignor.)
 Cornu, F. (See Vessot and Cornu.)
 Cornu, J. and P., Lisieux, France. Flying-machine. No. 902,859; Nov. 3; Sp. p. 662; Gaz. vol. 137; p. 111.
 Cornu, P. (See Cornu, J. and P.)
 Cornwall, J. B., assignor to Barnard and Leas Manufacturing Company, Moline, Ill. Cotton-ginning machinery. No. 894,605; July 28; Sp. p. 4652; Dr. p. 965; Gaz. vol. 135; p. 811.
 Cornwall, I. (See Birdsall, S. N., assignor.)
 Cornwall, I., Northumberland, Pa. Body-hanger for vehicles. No. 898,555; Sept. 15; Sp. p. 2657; Dr. p. 568; Gaz. vol. 136; p. 488.
 Cornwall, I., Northumberland, Pa. Vehicle-gear. No. 903,176; Nov. 10; Sp. p. 1273; Gaz. vol. 137; p. 241.
 Cornwall, P. W., Brockton, Mass. Heat regulating and controlling apparatus. No. 877,056; Jan. 21; Sp. p. 2828; Dr. p. 611; Gaz. vol. 132; p. 528.
 Corrigan, H., Whittemouth, Manitoba, Canada. Chimney and smoke-stack. No. 904,845; Nov. 24; Sp. p. 4769; Gaz. vol. 137; p. 855.
 Correll, A. T., Bradenville, Pa. Locking mechanism for end-gates. No. 884,898; Apr. 14; Sp. p. 2506; Dr. p. 630; Gaz. vol. 133; p. 1601.
 Corrigan, H., Bradford, N. H. Fruit-picker. No. 901,594; Oct. 20; Sp. p. 3203; Dr. p. 656; Gaz. vol. 136; p. 1635.
 Corrigan, J. H. (See Nies, H., assignor.)
 Corris, T., Cleveland, Ohio. Framing-support for concrete construction. No. 883,859; Apr. 7; Sp. p. 380; Dr. p. 74; Gaz. vol. 133; p. 1252.
 Corrothers, J. P. (See Firth, H. B., assignor.)
 Corrugated Concrete Pile Company of America. (See Gilbreth, F. B., assignor.)
 Corsey, G. M., Woodbury, N. J. Fruit-jar holder. No. 891,464; June 23; Sp. p. 4617; Dr. p. 1003; Gaz. vol. 134; p. 1889.
 Corthell, W. M., assignor to F. M. Waterman, Chicago, Ill. Coating hooks and eyes and apparatus therefor. No. 889,661; June 2; Sp. p. 912; Dr. p. 212; Gaz. vol. 134; p. 1208.
 Corthell, W. M., assignor to F. M. Waterman, Chicago, Ill. Machine for attaching hooks and eyes to ribbon, cards, &c. No. 894,727; July 28; Sp. p. 4869; Dr. pp. 1013-14; Gaz. vol. 135; p. 850.
 Corthell, W. M., assignor to F. M. Waterman, Chicago, Ill. Apparatus for attaching hooks and eyes to tape, &c. No. 898,558; Sept. 15; Sp. p. 2665; Dr. p. 570; Gaz. vol. 136; p. 489.

- Corthell, W. M., assignor to F. M. Waterman, Chicago, Ill. Machine for attaching hooks and eyes to cards. No. 904,049; Nov. 17; Sp. p. 3069; Gaz. vol. 137; p. 558.
- Corthell, W. M., assignor to F. M. Waterman, Chicago, Ill. Hook and eye. No. 905,409; Dec. 1; Sp. p. 560; Gaz. vol. 137; p. 1079.
- Cortright, L. H., St. John, New Brunswick, Canada. Non-refillable bottle. No. 890,610; June 16; Sp. p. 2862; Dr. p. 630; Gaz. vol. 134; p. 1577.
- Corwin, E. R., Clyde, assignor to Corwin Telephone Manufacturing Co., Chicago, Ill. Telephone-transmitter. No. 887,231; May 12; Sp. p. 1782; Dr. p. 375; Gaz. vol. 134; p. 320.
- Corwin, E. R., Clyde, assignor to Monarch Telephone Manufacturing Company, Chicago, Ill. Telephone system. No. 888,870; May 26; Sp. p. 5130; Dr. p. 1093; Gaz. vol. 134; p. 921.
- Corwin, E. R., Clyde, assignor to Monarch Telephone Manufacturing Company, Chicago, Ill. Telephone system. No. 888,871; May 26; Sp. p. 5135; Dr. p. 1094; Gaz. vol. 134; p. 922.
- Corwin, E. R., Chicago, Ill., assignor to Monarch Telephone Manufacturing Co. Telephone-exchange system. No. 888,872; May 26; Sp. p. 5144; Dr. p. 1094; Gaz. vol. 134; p. 922.
- Corwin, E. R., Chicago, Ill., assignor to Monarch Telephone Manufacturing Co. Telephone-exchange system. No. 888,873; May 26; Sp. p. 5149; Dr. p. 1094; Gaz. vol. 134; p. 923.
- Corwin, E. R., Chicago, Ill., assignor to Monarch Telephone Manufacturing Co. Telephone-exchange system. No. 888,874; May 26; Sp. p. 5154; Dr. p. 1094; Gaz. vol. 134; p. 923.
- Corwin, E. R., assignor to Corwin Telephone Manufacturing Co., Chicago, Ill. Telephone system. No. 901,785; Oct. 20; Sp. p. 3620; Dr. p. 733; Gaz. vol. 136; p. 1697.
- Corwin, E. R., assignor to Monarch Telephone Manufacturing Company, Chicago, Ill. Telephone-exchange system. No. 902,715; Nov. 3; Sp. p. 367; Gaz. vol. 137; p. 63.
- Corwin, E. R., and C. A. Bals, assignors to Corwin Telephone Manufacturing Company, Chicago, Ill. Bank of locking switch-keys. No. 902,725; Oct. 27; Sp. p. 4608; Dr. p. 937; Gaz. vol. 136; p. 1884.
- Corwin Telephone Manufacturing Co. (See Corwin, E. R., assignor.)
- Corwin Telephone Manufacturing Company. (See Corwin and Bals, assignors.)
- Cory, C., *et al.* (See Wood, F. W., assignor.)
- Cory, J. M., *et al.* (See Wood, F. W., assignor.)
- Cory, L., Gilman City, Mo. Sharpening or cutting machine. No. 885,020; Apr. 21; Sp. p. 2758; Dr. p. 585; Gaz. vol. 133; p. 1692.
- Cory & Reynolds Company. (See Brant, J. S., assignor.)
- Coryell, F. (See Scudder and Coryell.)
- Coryell, G. R. (See Morrison, W., assignor.)
- Coryell, L. J., Oshawa, Ontario, Canada. Machine for husking green corn. No. 878,610; Feb. 11; Sp. p. 1549; Dr. p. 316; Gaz. vol. 132; p. 1126.
- Corzilius, J., South Manchester, Conn., assignor to Ellsworth & Company, New York, N. Y. Warp stop-motion for looms. No. 879,853; Feb. 25; Sp. p. 4054; Dr. pp. 849-50; Gaz. vol. 132; p. 1596.
- Cosei, N. B. L., *et al.* (See Ilg, C. C., assignor.)
- Cosey, H. M., assignor to S. Wetzel, Sterling, Ill. Railway-rail joint. No. 905,849; Dec. 8; Sp. p. 1459; Gaz. vol. 137; p. 1252.
- Cosley, K. C. (See Rees, W. O., assignor.)
- Cosner, O. G., Kents Store, Va. Rail-joint. No. 884,796; Apr. 14; Sp. p. 2326; Dr. p. 489; Gaz. vol. 133; p. 1590.
- Coss, J. C., Cleveland, Ohio. Vehicle bow-socket. No. 898,837; Sept. 15; Sp. p. 3182; Dr. p. 681; Gaz. vol. 136; p. 578.
- Cossor, F., London, England. Mercurial thermostatic circuit-closer. No. 876,773; Jan. 14; Sp. p. 2209; Dr. p. 486; Gaz. vol. 132; p. 392.
- Costa, E. S., Quincy, Mass. Self-tightening bushing-tool holder and tools. No. 878,776; Feb. 11; Sp. p. 1870; Dr. p. 386; Gaz. vol. 132; p. 1174.
- Costello, H. O., Providence, R. I. Quick-adjusting micrometer. No. 898,972; Sept. 15; Sp. p. 3421; Dr. p. 735; Gaz. vol. 136; p. 623.
- Costello, J., Providence, R. I. Jeweler's chain and bead stock. No. 878,122; Feb. 4; Sp. p. 459; Dr. p. 97; Gaz. vol. 132; p. 923.
- Costello, J. J., Jr., Scranton, Pa. Lubricator. No. 905,057; Nov. 24; Sp. p. 5186; Gaz. vol. 137; p. 925.
- Costello, J. V., Cranston, R. I. Chain. No. 904,846; Nov. 24; Sp. p. 4771; Gaz. vol. 137; p. 856.
- Costello, T. H., Chicago, Ill. Globe-suspending device. No. 902,211; Oct. 27; Sp. p. 4470; Dr. p. 904; Gaz. vol. 136; p. 1864.
- Costigan, J. F. J. (See Costigan, J. P. and J. F. J.)
- Costigan, J. P. and J. F. J., New York, N. Y. Covering. No. 880,363; Feb. 25; Sp. p. 5082; Dr. p. 1073; Gaz. vol. 132; p. 1763.
- Costigan, J. P. and J. F. J., New York, N. Y. Molding-machine. No. 886,951; May 5; Sp. p. 1217; Dr. pp. 257-8; Gaz. vol. 134; p. 202.
- Côté, G. M., assignor to Standard Steel Tie Company, Pittsburg, Pa. Railway-tie. No. 890,557; June 9; Sp. p. 2728; Dr. p. 603; Gaz. vol. 134; p. 1527.
- Côté, G. M., assignor to Standard Steel Tie Company, Pittsburg, Pa. Rail-support. No. 900,667; Oct. 6; Sp. p. 1276; Dr. p. 261; Gaz. vol. 136; p. 1269.
- Côté, L. E., Ottawa, Ontario, Canada. Pattern-grading machine. No. 878,046; Feb. 4; Sp. p. 315; Dr. pp. 66-7; Gaz. vol. 132; p. 899.
- Côté, N., Montreal, Quebec, Canada. Proportional dividers. No. 875,783; Jan. 7; Sp. p. 207; Dr. p. 45; Gaz. vol. 132; p. 38.
- Côté, N. J., Montreal, Quebec, Canada. Combination furniture. No. 890,040; June 16; Sp. p. 3759; Dr. pp. 820-1; Gaz. vol. 134; p. 1719.
- Cotes, B. S., *et al.* (See Horsman, E. I., Jr., assignor.)
- Cotter, J. A., New Orleans, La. Filter. No. 887,069; May 12; Sp. p. 1464; Dr. p. 311; Gaz. vol. 134; p. 269.
- Cottillon, A., Asnières, France. Photographic-printing apparatus. No. 889,443; June 2; Sp. p. 504; Dr. pp. 119-20; Gaz. vol. 134; p. 1139.
- Cotton, A., Chillicothe, Iowa. Nut-lock. No. 879,746; Feb. 18; Sp. p. 3816; Dr. p. 820; Gaz. vol. 132; p. 1528.
- Cotton, A., Newark, N. J. Furnace-door. No. 885,727; Apr. 28; Sp. p. 4232; Dr. pp. 886-7; Gaz. vol. 133; p. 1949.
- Cotton, A., Newark, N. J. Air-regulator for furnaces. No. 899,102; Sept. 22; Sp. p. 3671; Dr. p. 786; Gaz. vol. 136; p. 692.
- Cotton, A., Newark, N. J. Smoke-consuming forced-draft steam-boiler furnace. No. 907,572; Dec. 22; Sp. p. 4769; Gaz. vol. 137; p. 1871.
- Cotton, A., Newark, N. J. Steam-boiler furnace. No. 907,682; Dec. 22; Sp. p. 5068; Gaz. vol. 137; p. 1909.
- Cotton, A., Newark, N. J. Brick for furnace construction. No. 907,683; Dec. 22; Sp. p. 5071; Gaz. vol. 137; p. 1909.
- Cotton, F., Hornsby, New South Wales, Australia. Reverberatory furnace. No. 881,110; Mar. 10; Sp. p. 1231; Dr. p. 265; Gaz. vol. 133; p. 239.
- Cotton, J. W., Newton, assignor to one-half to W. Korsmeier, Laurel, Iowa. Fifth-wheel. No. 881,882; Mar. 10; Sp. p. 2775; Dr. p. 595; Gaz. vol. 133; p. 490.
- Cotton, W. H. and T. D. Henderson, Chicago, Ill. Railway-rail stay. No. 905,988; Dec. 8; Sp. p. 1731; Gaz. vol. 137; p. 1296.
- Cottrell, A. W., and M. A. Moore, Douglas, Ariz. Ter. Explosion-engine. No. 900,668; Oct. 6; Sp. p. 1279; Dr. p. 261; Gaz. vol. 136; p. 1269.
- Cottrell, E. H., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Antismutting device for printing machinery. No. 879,443; Feb. 18; Sp. p. 3183; Dr. p. 663; Gaz. vol. 132; p. 1429.
- Cottrell, E. H., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Antismutting device for printing machinery. No. 898,727; Sept. 15; Sp. p. 2983; Dr. pp. 639-40; Gaz. vol. 136; p. 543.
- Cottrell, F. G., Berkeley, Cal., assignor to International Precipitation Company. Separating suspended particles from gaseous bodies. No. 895,729; Aug. 11; Sp. p. 1913; Dr. p. 406; Gaz. vol. 135; p. 1233.
- Cottrell, H., Newark, N. J. Vehicle-spring check. No. 875,693; Jan. 7; Sp. p. 29; Dr. p. 6; Gaz. vol. 132; p. 7.
- Cottrell, H., Newark, N. J. Toy film-burster. No. 891,407; June 23; Sp. p. 4512; Dr. p. 981; Gaz. vol. 134; p. 1870.
- Cottrell, J. S., Birmingham, England. Internal-combustion engine. No. 906,111; Dec. 8; Sp. p. 1969; Gaz. vol. 137; p. 1336.
- Cottrelle, G. R. (See Warren, R., assignor.)
- Cottrill, F. H., Milwaukee, Wis. Alarm for paper-feed carriages. No. 885,443; Apr. 21; Sp. p. 3647; Dr. p. 765; Gaz. vol. 133; p. 1830.
- Cottrill, M. L., *et al.* (See Monahan, L. J., assignor.)
- Couch, R. O., Charleston, W. Va. Variable-speed gear. No. 898,327; Sept. 8; Sp. p. 2196; Dr. p. 466; Gaz. vol. 136; p. 380.
- Couch, R. O., Charleston, and C. A. Cabell, Carbon, W. Va. Loading device. No. 908,395; Dec. 29; Sp. p. 6559; Gaz. vol. 137; p. 2177.
- Coughanour, A. R., *et al.* (See Woods and Sipes, assignors.)
- Coughenour, V. J., Carlton, Ohio. Wrench. No. 907,466; Dec. 22; Sp. p. 4582; Gaz. vol. 137; p. 1838.
- Coughlin, E. J., Passaic, N. J., assignor to New York Belting & Packing Company, Limited. Hose. No. 888,590; May 26; Sp. p. 4537; Dr. p. 962; Gaz. vol. 134; p. 831.
- Couls, G. R. (See Carson and Couls.)
- Coulson, C. C. (See Coulson, H. G. and C. C.)
- Coulson, H. G. and C. C., Jay county, Ind. Sparking mechanism. No. 885,324; Apr. 21; Sp. p. 3418; Dr. p. 714; Gaz. vol. 133; p. 1793.
- Coulson, W. A., *et al.* (See Creed, F. G., assignor.)
- Coulter, C. J., Longmont, Colo. Mechanical movement. No. 898,328; Sept. 8; Sp. p. 2198; Dr. p. 466; Gaz. vol. 136; p. 380.
- Coulter, C. J., and E. Tugby, Longmont, assignors of one-third to O. T. Ellis, Golden, Colo. Automatic hook. No. 898,329; Sept. 8; Sp. p. 2199; Dr. p. 467; Gaz. vol. 136; p. 381.
- Coulter, C. N., Traverse City, Mich. Surgical instrument. No. 889,662; June 2; Sp. p. 914; Dr. p. 212; Gaz. vol. 134; p. 1209.

Alphabetical list of patentees—Continued.

- Coulter, H. M., assignor of one-half to A. Stromberg, Chicago, Ill. Railway block-signaling system. No. 904,116; Nov. 17; Sp. p. 3198; Gaz. vol. 137; p. 581.
- Coulter, J. N., Fairfield, Ill. Mail-box. No. 906,389; Dec. 8; Sp. p. 2481; Gaz. vol. 137; p. 1426.
- Coulter, W. J., Toronto, Ontario, Canada. Clothes-drying reel. No. 877,985; Feb. 4; Sp. p. 176; Dr. p. 39; Gaz. vol. 132; p. 878.
- Councillor, J. W., Waterloo, Iowa. Storm-window hinge. No. 875,897; Jan. 7; Sp. p. 416; Dr. p. 92; Gaz. vol. 132; p. 76.
- Country Hydrant Company. (See Johnson, J., assignor.)
- Couper, J. H., Atlanta, Ga., and W. L. Albright, Cincinnati, Ohio, said Couper assignor to said Albright. Kitchen-cabinet. No. 876,335; Jan. 14; Sp. p. 1288; Dr. p. 279; Gaz. vol. 132; p. 245.
- Couret, J. S., assignor of one-half to E. Montagnet, New Orleans, La. Blind-fastening. No. 876,300; Jan. 7; Sp. p. 1217; Dr. p. 265; Gaz. vol. 132; p. 203.
- Coursen, G. M., Purdys, N. Y. Device for extracting bushings. No. 902,475; Oct. 27; Sp. p. 5047; Dr. p. 1021; Gaz. vol. 136; p. 1951.
- Courson, J. F. (See Huss, C., assignor.)
- Court, E., Milwaukee, Wis. Spindle for bottle-washing machines. No. 905,149; Dec. 1; Sp. p. 48; Gaz. vol. 137; p. 991.
- Courteau, L. J., Brockton, Mass. Arch and ankle support. No. 895,539; Aug. 11; Sp. p. 1536; Dr. p. 325; Gaz. vol. 135; p. 1172.
- Courteau, L. J., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for supporting shoe-uppers. No. 891,912; June 30; Sp. p. 5557; Dr. pp. 1197-8; Gaz. vol. 134; p. 2070.
- Courtney, C. W., Grants Pass, Ore. Game apparatus. No. 903,679; Nov. 10; Sp. p. 2303; Gaz. vol. 137; p. 404.
- Courtney, J. N. and W. T., Excelsior Springs, Mo. Combined hat, coat, and umbrella rack. No. 892,407; July 7; Sp. p. 32; Dr. p. 9; Gaz. vol. 135; p. 9.
- Courtney, W. E., assignor to Mathews Gravity Carrier Company, St. Paul, Minn. Gravity freight-carrier. No. 883,297; Mar. 31; Sp. p. 5605; Dr. p. 1195; Gaz. vol. 133; p. 1044.
- Courtney, W. T. (See Courtney, J. N. and W. T.)
- Courtois, F. A., New York, N. Y. Apparatus for determining specific gravity. No. 907,107; Dec. 15; Sp. p. 3825; Gaz. vol. 137; p. 1679.
- Courville, J., assignor to Farrand Organ Company, Detroit, Mich. Air-pressure regulator for pneumatically-operated musical instruments. No. 905,659; Dec. 1; Sp. p. 1089; Gaz. vol. 137; p. 1159.
- Couthri, H., Uncasville, Conn. Suspenders. No. 878,508; Feb. 11; Sp. p. 1315; Dr. p. 266; Gaz. vol. 132; p. 1085.
- Couture, W. L., San Francisco, Cal. Spirit-level. No. 901,953; Oct. 27; Sp. p. 3940; Dr. p. 804; Gaz. vol. 136; p. 1781.
- Covel Manufacturing Company. (See Filstrup, E. C., assignor.)
- Covel Manufacturing Company. (See Filstrup, L. L., assignor.)
- Covel, N. E., *et al.* (See Mack, F. W., assignor.)
- Covell, A. E. (See Blanchard and Covell.)
- Covenry, J. S., Des Moines, Iowa. Sifter-sieve. No. 884,899; Apr. 14; Sp. p. 2507; Dr. p. 530; Gaz. vol. 133; p. 1601.
- Cover, H. S., South Bend, Ind. Eye-guard. (Reissue.) No. 12,816; June 16; Sp. p. 4132; Dr. p. 904; Gaz. vol. 134; p. 1780.
- Cover, H. S., South Bend, Ind. Eye-guard. (Reissue.) No. 12,817; June 16; Sp. p. 4133; Dr. p. 904; Gaz. vol. 134; p. 1780.
- Covert, F. M., assignor to Covert Manufacturing Company, Watervliet, N. Y. Breaching snap-hook. No. 891,408; June 23; Sp. p. 4513; Dr. p. 982; Gaz. vol. 134; p. 1871.
- Covert, H. W., Watervliet, N. Y. Sash-lock. No. 891,818; June 30; Sp. p. 5380; Dr. p. 1164; Gaz. vol. 134; p. 2038.
- Covert, J. C., assignor to Covert Manufacturing Company, Watervliet, N. Y. Spring-tongue snap-hook. No. 893,448; July 14; Sp. p. 2140; Dr. p. 449; Gaz. vol. 135; p. 380.
- Covert, J. W., Raritan, Ill. Husking-mitten. No. 889,663; June 2; Sp. p. 915; Dr. p. 212; Gaz. vol. 134; p. 1209.
- Covert Manufacturing Company. (See Baxter, J. B., assignor.)
- Covert Manufacturing Company. (See Covert, F. M., assignor.)
- Covert Manufacturing Company. (See Covert, J. C., assignor.)
- Covey, A. L., St. Paul, Nebr. Plow. No. 891,913; June 30; Sp. p. 5559; Dr. p. 1198; Gaz. vol. 134; p. 2070.
- Covey, A. L., and W. N. Greer, St. Paul, Nebr.; said Greer assignor to said Covey. Plow. No. 890,889; June 16; Sp. p. 3442; Dr. p. 754; Gaz. vol. 134; p. 1668.
- Covey, C. H., Marietta, Ohio. Nut-lock. No. 898,188; Sept. 8; Sp. p. 1945; Dr. p. 416; Gaz. vol. 136; p. 338.
- Covey, J. H., assignor of one-half to W. Kells, Buffalo, N. Y. Derailing-switch. No. 892,136; June 30; Sp. p. 5985; Dr. p. 1286; Gaz. vol. 134; p. 2141.
- Covey, W. O., assignor of fifty-one one-hundredths to S. Freedman, Marietta, Ohio. Rotary gas-engine. No. 893,056; July 14; Sp. p. 1365; Dr. pp. 287-8; Gaz. vol. 135; p. 252.
- Covington, E., Salt Lake City, Utah. Railway-tie. No. 891,041; June 16; Sp. p. 3761; Dr. p. 821; Gaz. vol. 134; p. 1719.
- Covington, F. D., Milwaukee, Wis. Portable street-car transfer-ticket-dispensing device. No. 906,110; Dec. 8; Sp. p. 1966; Gaz. vol. 137; p. 1335.
- Covington Machine Company. (See Garner, S., assignor.)
- Covington Machine Company. (See Ham, J. S., assignor.)
- Cowan, A. S. (See Holmes and Cowan.)
- Cowan, A. S., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Picker-check for looms. No. 886,952; May 5; Sp. p. 1219; Dr. p. 258; Gaz. vol. 134; p. 203.
- Coward, H. C., Oakland, Cal. Conveyor for hand-trucks. No. 888,591; May 26; Sp. p. 4538; Dr. p. 962; Gaz. vol. 134; p. 831.
- Cowdrey, M. E. C., Early county, Ga. Mosquito-bar and table attachment for bedsteads. No. 905,660; Dec. 1; Sp. p. 1090; Gaz. vol. 137; p. 1159.
- Cowdrey, R. H., Chicago, Ill. Safety cut-off. No. 904,497; Nov. 17; Sp. p. 4040; Gaz. vol. 137; p. 711.
- Cowell, H. J., Adelaide, South Australia, Australia. Lock for doors, cupboards, and the like. No. 904,683; Nov. 24; Sp. p. 4411; Gaz. vol. 137; p. 801.
- Cowen, E., Barnesville, Ohio. Envelop. No. 884,317; Apr. 7; Sp. p. 1301; Dr. p. 275; Gaz. vol. 133; p. 1401.
- Cowen, H., and J. Butt, New York, N. Y. Change-receiver. No. 893,057; July 14; Sp. p. 1366; Dr. p. 288; Gaz. vol. 135; p. 253.
- Cowey, L. E., Brondesbury, England. Apparatus for indicating or recording speed. No. 897,715; Sept. 1; Sp. p. 960; Dr. p. 206; Gaz. vol. 136; p. 154.
- Cowham, W. F. (See Miller, J. W., assignor.)
- Cowham, W. F. (See Rowley, W. W., assignor.)
- Cowhig, J. H., Bremerton, Wash. Cooking utensil. No. 884,718; Apr. 14; Sp. p. 2157; Dr. p. 458; Gaz. vol. 133; p. 1563.
- Cowie, J. A., Chesaw, Wash. Permutation-padlock. No. 903,680; Nov. 10; Sp. p. 2305; Gaz. vol. 137; p. 404.
- Cowin, E., York, N. D. Grain-shocker. No. 907,467; Dec. 22; Sp. p. 4588; Gaz. vol. 137; p. 1838.
- Cowing, A. A., Watkins, N. Y. Repeating pistol. No. 907,315; Dec. 22; Sp. p. 4274; Gaz. vol. 137; p. 1788.
- Cowing, P. F., New York, N. Y. Forming metal into flakes. No. 884,571; Apr. 14; Sp. p. 1829; Dr. p. 392; Gaz. vol. 133; p. 1514.
- Cowles, A. C., Auburn, N. Y. Combined square, gage, and rule. No. 885,226; Apr. 21; Sp. p. 3220; Dr. p. 672; Gaz. vol. 133; p. 1760.
- Cowles, F., and H. M. Morrill, Tekonsha, Mich. Rocking-chair. No. 892,937; July 7; Sp. p. 1106; Dr. p. 232; Gaz. vol. 135; p. 183.
- Cowles, I., and E. H. MacDowell, South Haven, Mich. Vehicle. No. 891,328; June 23; Sp. p. 4339; Dr. p. 946; Gaz. vol. 134; p. 1844.
- Cowles, O. M., Devils Lake, N. D. Stovepipe-joint. No. 881,378; Mar. 10; Sp. p. 1782; Dr. p. 384; Gaz. vol. 133; p. 327.
- Cowles, W. H. (See Barrett, H. G., assignor.)
- Cowles, W. H. (See Cameron and Cowles.)
- Cowley, P. J. (See Harkins, Rickard, and Cowley.)
- Cowper-Coles, S. O., London, England. Apparatus for the manufacture of copper electrotypes. No. 875,784; Jan. 7; Sp. p. 208; Dr. p. 45; Gaz. vol. 132; p. 38.
- Cowper-Coles, S. O., London, England. Production of electrotypes. No. 881,554; Mar. 10; Sp. p. 2109; Dr. p. 461; Gaz. vol. 133; p. 383.
- Cowper-Coles, S. O., London, England. Electrodeposition of iron. No. 884,075; Apr. 7; Sp. p. 817; Gaz. vol. 133; p. 1324.
- Cowper-Coles, S. O., London, England. Electrodeposition of copper. No. 895,163; Aug. 4; Sp. p. 771; Dr. pp. 160-1; Gaz. vol. 135; p. 1022.
- Cowper-Coles, S. O., London, England. Manufacture of cartridge-cases and similar articles. No. 895,164; Aug. 4; Sp. p. 771; Dr. p. 161; Gaz. vol. 135; p. 1022.
- Cowper-Coles, S. O., London, England. Electrodeposition of alloys. No. 898,189; Sept. 8; Sp. p. 1947; Gaz. vol. 136; p. 338.
- Cox, A. L., Madison, Mo. Load-holding device. No. 882,746; Mar. 24; Sp. p. 4488; Dr. p. 955; Gaz. vol. 133; p. 833.
- Cox, A. L., and W. U. Goodwin, Stratford, Okla. Plow-anvil. No. 889,206; June 2; Sp. p. 34; Dr. p. 9; Gaz. vol. 134; p. 1065.
- Cox and Brother, G. S. (See Cox, G. S., assignor.)
- Cox, C. E., Merrill, Ore. Section-press and foundation-setting mechanism. No. 886,581; May 5; Sp. p. 467; Dr. pp. 99-100; Gaz. vol. 134; p. 85.
- Cox, C. F., Bridgeton, N. J. Apparatus for the manufacture of hollow glassware. No. 880,482; Feb. 25; Sp. p. 5355; Dr. pp. 1128-9; Gaz. vol. 132; p. 1805.
- Cox, E. A., Chicago, Ill. Chain-fastening. No. 906,616; Dec. 15; Sp. p. 2897; Gaz. vol. 137; p. 1524.
- Cox, E. D., *et al.* (See Coleman, G. D., assignor.)

Alphabetical list of patentees—Continued.

- Cox, F. W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator for electric apparatus. No. 879,246; Feb. 18; Sp. p. 2771; Dr. p. 580; Gaz. vol. 132; p. 1364.
- Cox, G. D., assignor of one-half to J. T. Laughlin, Luke, Md. Signal for railways. No. 891,763; June 23; Sp. p. 5233; Dr. p. 1134; Gaz. vol. 134; p. 1988.
- Cox, G. S., Fitzwatertown, Pa., assignor to G. S. Cox and Brother. Take-up mechanism for looms. No. 881,904; Mar. 17; Sp. p. 2837; Dr. p. 606; Gaz. vol. 133; p. 525.
- Cox, G. S., Fitzwatertown, assignor to G. S. Cox and Brother, Philadelphia, Pa. Haircloth fabric. No. 890,611; June 16; Sp. p. 2864; Dr. p. 631; Gaz. vol. 134; p. 1577.
- Cox, G. S., Fitzwatertown, assignor to G. S. Cox and Brother, Philadelphia, Pa. Haircloth-loom. No. 890,612; June 16; Sp. p. 2866; Dr. p. 631; Gaz. vol. 134; p. 1577.
- Cox, G. S., Fitzwatertown, assignor to G. S. Cox and Brother, Philadelphia, Pa. Drying and finishing machine for textile fabrics. No. 891,914; June 30; Sp. p. 5560; Dr. p. 1198; Gaz. vol. 134; p. 2071.
- Cox, H. N., New York, N. Y. Windmill device. No. 894,189; July 28; Sp. p. 3735; Dr. p. 784; Gaz. vol. 135; p. 674.
- Cox, J. F., Watertown, Mass. Making molders' patterns. No. 898,728; Sept. 15; Sp. p. 2984; Dr. pp. 640-1; Gaz. vol. 136; p. 543.
- Cox, J. H., Erie, Kans. Sad-iron handle. No. 882,747; Mar. 24; Sp. p. 4489; Dr. p. 956; Gaz. vol. 133; p. 834.
- Cox, J. H., Fairmount, Md. Oyster-shipping bucket. No. 900,986; Oct. 13; Sp. p. 1946; Dr. p. 396; Gaz. vol. 136; p. 1400.
- Cox, J. W., Berwyn, assignor to S. W. Miller, Chicago, Ill. Apparatus for controlling the flow of liquids. No. 897,593; Sept. 1; Sp. p. 722; Dr. pp. 152-3; Gaz. vol. 136; p. 114.
- Cox, L. B., Norfolk, Va. Mail-bag deliverer. No. 890,845; June 16; Sp. p. 3358; Dr. pp. 735-6; Gaz. vol. 134; p. 1655.
- Cox Multi-Mailer Company. (See Cox, S. C., assignor.)
- Cox, P. F., assignor to Jackson Printing Press Company, Jackson, Mich. Bed-controlled web-feeding mechanism. No. 880,279; Feb. 25; Sp. p. 4932; Dr. p. 1044; Gaz. vol. 132; p. 1736.
- Cox, P. F., assignor to Jackson Printing Press Company, Jackson, Mich. Continuous variable web-feeding mechanism. No. 880,280; Feb. 25; Sp. p. 4936; Dr. p. 1044; Gaz. vol. 132; p. 1738.
- Cox, P. F., assignor to Jackson Printing Press Company, Jackson, Mich. Printing-press. No. 880,281; Feb. 25; Sp. p. 4939; Dr. p. 1044; Gaz. vol. 132; p. 1737.
- Cox, P. F., assignor to Jackson Printing Press Company, Jackson, Mich. Web-printing press. No. 880,282; Feb. 25; Sp. p. 4942; Dr. p. 1045; Gaz. vol. 132; p. 1737.
- Cox, P. F., assignor to Jackson Printing Press Company, Jackson, Mich. Web-feeding device for printing-presses. No. 884,900; Apr. 14; Sp. p. 2509; Dr. p. 530; Gaz. vol. 133; p. 1622.
- Cox, P. F., Jackson, Mich., assignor to Jackson Printing Press Company. Web-printing press. No. 884,901; Apr. 14; Sp. p. 2513; Dr. p. 531; Gaz. vol. 133; p. 1622.
- Cox, R. J., Maybeury, W. Va. Check-fastening device. No. 891,149; June 16; Sp. p. 3945; Dr. p. 865; Gaz. vol. 134; p. 1752.
- Cox, R. M. (See Cox, W. M. and R. M.)
- Cox, R. M., Prairie City, Ill. Gate. No. 893,449; July 14; Sp. p. 2141; Dr. p. 450; Gaz. vol. 135; p. 380.
- Cox, S. C., Chicago, Ill., assignor, by mesne assignments, to Cox Multi-Mailer Company, Augusta, Me. Town-marker for addressing-machines. No. 901,954; Oct. 27; Sp. p. 3942; Dr. pp. 804-5; Gaz. vol. 136; p. 1782.
- Cox, W., Provo City, Utah. Combined antirattler thill coupling and support. No. 884,469; Apr. 14; Sp. p. 1620; Dr. p. 349; Gaz. vol. 133; p. 1481.
- Cox, W., Provo, Utah. Antirattler thill coupling and support. No. 891,465; June 23; Sp. p. 4618; Dr. p. 1003; Gaz. vol. 134; p. 1890.
- Cox, W. H., Eccles, England. Press for the molding of bicycle and other tires. No. 890,409; June 9; Sp. p. 2450; Dr. p. 541; Gaz. vol. 134; p. 1478.
- Cox, W. M., Avon, and R. M. Cox, Prairie City, Ill. Poultry-feeding device. No. 895,165; Aug. 4; Sp. p. 773; Dr. p. 161; Gaz. vol. 135; p. 1023.
- Coxe, E. J. D., Houtzdale, Pa. Pumping mechanism. No. 900,669; Oct. 6; Sp. p. 1281; Dr. p. 261; Gaz. vol. 136; p. 1270.
- Coy, J. H., Milford, Mo. Sawmill attachment. No. 880,722; Mar. 3; Sp. p. 462; Dr. p. 98; Gaz. vol. 133; p. 81.
- Coyle, A. P., Juniata, Pa. Noodle-cutter. No. 895,969; Aug. 11; Sp. p. 2397; Dr. pp. 510-11; Gaz. vol. 135; p. 1310.
- Coyne, R., assignor to E. C. Atkins & Company, Indianapolis, Ind. Saw-swage. No. 905,989; Dec. 8; Sp. p. 1733; Gaz. vol. 137; p. 1296.
- Coyne, P. M., Portland, Oreg. Detachable button. No. 891,595; June 23; Sp. p. 4888; Dr. p. 1053; Gaz. vol. 134; p. 1930.
- Coyner, S. C., Overton, Neb. Wall construction. No. 891,596; June 23; Sp. p. 4890; Dr. p. 1053; Gaz. vol. 134; p. 1930.
- Cozad, W. K., Worthington, Pa. Screw-driver. No. 892,367; June 30; Sp. p. 6427; Dr. p. 1387; Gaz. vol. 134; p. 2217.
- Crabtree, C. B., Manchester, Ill. Mail-carrier. No. 890,026; June 9; Sp. p. 1660; Dr. pp. 369-70; Gaz. vol. 134; p. 1353.
- Crabtree, S. G., Guymon, Okla. Railway-rail fastening. No. 906,112; Dec. 8; Sp. p. 1970; Gaz. vol. 137; p. 1336.
- Craddock, E. S. (See Boyajean and Craddock.)
- Craddock, L. L., and J. McCleary, Sonora, Tex. Valve. No. 899,659; Sept. 29; Sp. p. 4780; Dr. p. 1023; Gaz. vol. 136; p. 908.
- Craddock, W. (See Stratton, A., assignor.)
- Craddock, G. (See Vaughan and Epton, assignors.)
- Craft, E. B., assignor to Western Electric Company, Chicago, Ill. Coin-collector. No. 884,470; Apr. 14; Sp. p. 1621; Dr. pp. 349-50; Gaz. vol. 133; p. 1481.
- Craft, E. B., Wilmette, assignor to Western Electric Company, Chicago, Ill. Switchboard signal-lamp. No. 899,514; Sept. 29; Sp. p. 4476; Dr. p. 961; Gaz. vol. 136; p. 861.
- Crafton, B. (See Nilsen, E. A., assignor.)
- Crafts, H. C. (See Nixon, G. R., assignor.)
- Cragum, H. J., Logansport, Ind. Flying-machine. No. 883,090; Mar. 24; Sp. p. 5154; Dr. p. 1101; Gaz. vol. 133; p. 944.
- Crahan, J. M. (See Johnston and Crahan.)
- Craig, A., Blackley, England. Razor-strop or device for stropping razors or blades. No. 876,528; Jan. 14; Sp. p. 1715; Dr. p. 372; Gaz. vol. 132; p. 311.
- Craig, A. M., assignor to Rome Saddlery Hardware Manufacturing Co., Rome, N. Y. Harness. No. 885,911; Apr. 28; Sp. p. 4602; Dr. p. 965; Gaz. vol. 133; p. 2010.
- Craig, B. D., administratrix. (See Craig, S. F.)
- Craig, C. H., Jr., assignor to American Steam Gauge and Valve Manufacturing Company, Boston, Mass. Differential-pressure gage. No. 908,206; Dec. 29; Sp. p. 6168; Gaz. vol. 137; p. 2112.
- Craig, D., Melrose, Mass. Fluid-motor. No. 891,208; June 16; Sp. p. 4077; Dr. pp. 895-6; Gaz. vol. 134; p. 1772.
- Craig, D., Melrose, Mass. Spring-tire. No. 907,316; Dec. 22; Sp. p. 4275; Gaz. vol. 137; p. 1783.
- Craig, E. W., Chicago, Ill. Picture-frame. No. 905,850; Dec. 8; Sp. p. 1460; Gaz. vol. 137; p. 1252.
- Craig, J. (See Mears and Craig.)
- Craig, J. A. (See Maurer, J. E., assignor.)
- Craig, J. C., Kinmount, Ontario, assignor of two-thirds to J. J. Kenyon, Lindsay, and J. T. Laking, Haliburton, Canada. Buggy-top. No. 889,909; June 9; Sp. p. 1416; Dr. p. 321; Gaz. vol. 134; p. 1313.
- Craig, J. N. (See Gabbart, E. B., assignor.)
- Craig, J. R. (See Johnson, P. B., assignor.)
- Craig, J. R., Jr., London, England. Electrode for the evolution of ozone from oxygen or atmospheric air. No. 894,818; Aug. 4; Sp. p. 31; Dr. pp. 6-7; Gaz. vol. 135; p. 906.
- Craig, R., Los Angeles, Cal. Wave-motor. No. 899,957; Sept. 29; Sp. p. 5416; Dr. p. 1155; Gaz. vol. 136; p. 1005.
- Craig, R. M., Dennison, Ohio. Denture. (Reissue.) No. 12,753; Feb. 18; Sp. p. 4016; Dr. p. 842; Gaz. vol. 132; p. 1561.
- Craig, S., Clarksville, Tenn. Dental-tool moistener. No. 902,942; Nov. 3; Sp. p. 826; Gaz. vol. 137; p. 137.
- Craig, S. B. (See Hulings and Craig.)
- Craig, S. F., deceased; B. D. Craig administratrix, Brooklyn, N. Y. Holding or retaining device. No. 881,461; Mar. 10; Sp. p. 1930; Dr. p. 420; Gaz. vol. 133; p. 352.
- Craig, S. F., deceased; B. D. Craig administratrix, Brooklyn, N. Y. Holding or retaining device. No. 881,462; Mar. 10; Sp. p. 1932; Dr. pp. 420-1; Gaz. vol. 133; p. 353.
- Craig, W. F., Philadelphia, Pa. Pants and drawers supporter. No. 886,679; May 5; Sp. p. 680; Dr. p. 140; Gaz. vol. 134; p. 116.
- Craig, W. J., Fine Bluff, Ark. Trolley mechanism. No. 880,976; Mar. 3; Sp. p. 980; Dr. p. 211; Gaz. vol. 133; p. 166.
- Craighead, G. W., Richmond, Ind. Adjustable light-fixture. No. 901,955; Oct. 27; Sp. p. 3944; Dr. p. 805; Gaz. vol. 136; p. 1782.
- Craighead, R. L., La Junta, Colo. Twine-holder. No. 903,272; Nov. 10; Sp. p. 1480; Gaz. vol. 137; p. 273.
- Craighton, J., Deer Lodge, Mont. Torch for igniting blast-fuses. No. 893,309; July 14; Sp. p. 1856; Dr. p. 388; Gaz. vol. 135; p. 334.
- Cram, A. W., Haverhill, Mass. Mixing spoon. No. 885,444; Apr. 21; Sp. p. 3648; Dr. p. 765; Gaz. vol. 133; p. 1831.
- Cram, A. W., Haverhill, Mass. Domestic cooking vessel. No. 889,509; June 2; Sp. p. 640; Dr. p. 149; Gaz. vol. 134; p. 1159.
- Cram, C. W., et al. (See Burton, G. F., assignor.)
- Cram, E. B., Brooklyn, N. Y., assignor to New York Adding Typewriter Company, Orange, N. J. Power driving mechanism for computing type-writers. No. 879,854; Feb. 25; Sp. p. 4057; Dr. pp. 850-2; Gaz. vol. 132; p. 1596.

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- Cram, E. R., Cambridge assignor to Stone Telegraph and Telephone Company, Boston, Mass. Space telegraphy. No. 884,076; Apr. 7; Sp. p. 818; Dr. p. 172; Gaz. vol. 133; p. 1324.
- Cram, G. A., Argentine, Kans. Pitman. No. 889,763; June 2; Sp. p. 1121; Dr. p. 260; Gaz. vol. 134; p. 1239.
- Cramer, A. F., and C. J. Diederich, Detroit, Mich. Heat-interchanging apparatus. No. 904,181; Nov. 17; Sp. p. 3367; Gaz. vol. 137; p. 606.
- Cramer, A. W. P., Montclair, N. J., assignor to Wheeler Condenser and Engineering Co., New York, N. Y. Condenser. No. 884,077; Apr. 7; Sp. p. 821; Dr. p. 173; Gaz. vol. 133; p. 1324.
- Cramer, F. E., *et al.* (See Stratton, G. C., assignor.)
- Cramer, H., San Francisco, Cal. Vehicle-wheel. No. 896,897; Aug. 25; Sp. p. 4247; Dr. p. 908; Gaz. vol. 135; p. 1656.
- Cramer, H., Sonora, Cal. Vehicle-wheel. No. 900,264; Oct. 6; Sp. p. 414; Dr. p. 84; Gaz. vol. 136; p. 1136.
- Cramer, H., Jr. (See Inch and Cramer.)
- Cramer, H. H., Denver, Colo. Turning-plug. No. 880,127; Feb. 25; Sp. p. 4613; Dr. p. 973; Gaz. vol. 132; p. 1684.
- Cramer, H. H., Aspen, Colo. Valve. No. 907,009; Dec. 15; Sp. p. 3639; Gaz. vol. 137; p. 1648.
- Cramer, H. H., Aspen, Colo. Valve. No. 907,130; Dec. 22; Sp. p. 3596; Gaz. vol. 137; p. 1724.
- Cramp, R., London, England. Turbine. No. 884,719; Apr. 14; Sp. p. 2158; Dr. p. 459; Gaz. vol. 133; p. 1564.
- Cramp, W., Manchester, assignor to Saxon Engineering Company, Limited, Fenton, Stoke-upon-Trent, England. Armature-winding machine. No. 893,570; July 14; Sp. p. 2428; Dr. p. 505; Gaz. vol. 135; p. 419.
- Crampton, H. B., assignor to one-half to C. B. Hawver, Syracuse, N. Y. Sweat-band for hats. No. 877,885; Jan. 28; Sp. p. 4457; Dr. p. 972; Gaz. vol. 132; p. 817.
- Crampton, S. H., New York, N. Y. Cable-clip. No. 890,125; June 9; Sp. p. 1861; Dr. p. 410; Gaz. vol. 134; p. 1387.
- Crandall, C. A., Verona, N. Y. Can-vent-soldering machine. No. 886,767; May 5; Sp. p. 894; Dr. p. 185; Gaz. vol. 134; p. 147.
- Crandall, C. F., Iilon, N. Y. Hanger for type-writer type-bars. No. 882,627; Mar. 24; Sp. p. 4233; Dr. p. 901; Gaz. vol. 133; p. 795.
- Crandall, E. M., Dolgeville, Cal. Electric heater and cooker. No. 887,923; May 19; Sp. p. 3229; Dr. p. 679; Gaz. vol. 134; p. 582.
- Crandall & Godley Co. (See Meek, G. B., assignor.)
- Crandall, H. E., New Britain, Conn. Plate and web for garment-clasps. No. 907,573; Dec. 22; Sp. p. 4776; Gaz. vol. 137; p. 1871.
- Crandall, H. F., Milwaukee, Wis. Fishing-reel. No. 875,694; Jan. 7; Sp. p. 30; Dr. p. 6; Gaz. vol. 132; p. 8.
- Crandall, H. F., Milwaukee, Wis. Fishing-reel. No. 892,137; June 30; Sp. p. 5987; Dr. pp. 1286-7; Gaz. vol. 134; p. 2142.
- Crandall, N. W., assignor to Perkins Corporation, Hartford, Conn. Press. No. 876,899; Jan. 14; Sp. p. 2460; Dr. pp. 537-8; Gaz. vol. 132; p. 433.
- Crandall, W. J. (See Bither and Crandall.)
- Crane Buckle Company. (See Crane, N., assignor.)
- Crane Company. (See Doolittle, W. W., assignor.)
- Crane Company. (See Hayden, J. T., assignor.)
- Crane Company. (See Paulson, M., assignor.)
- Crane, D., Rochester, N. Y. Shoe-buttoner. No. 894,190; July 28; Sp. p. 3787; Dr. p. 784; Gaz. vol. 135; p. 674.
- Crane, E. F., Newark, N. J. Metallic reinforcing structure for cementitious bodies. No. 879,444; Feb. 18; Sp. p. 3185; Dr. p. 664; Gaz. vol. 132; p. 1429.
- Crane, E. F., Newark, assignor of one-half to H. A. Crane, Jersey City, N. J. Reinforcing-bar for cementitious bodies. No. 891,234; June 23; Sp. p. 4151; Dr. p. 909; Gaz. vol. 134; p. 1834.
- Crane, E. T., Philadelphia, Pa. Cigarette-holder. No. 889,207; June 2; Sp. p. 35; Dr. p. 10; Gaz. vol. 134; p. 1063.
- Crane, E. W., *et al.*, executors. (See Gilliland, E. T.)
- Crane, F., *et al.* (See Baker, W., assignor.)
- Crane, F. W. (See Dumais, J. B., assignor.)
- Crane, G. W. (See Glase and Olsen, assignors.)
- Crane, G. W., Veedersburg, Ind. Manure-spreader. No. 908,207; Dec. 29; Sp. p. 6169; Gaz. vol. 137; p. 2112.
- Crane, H. A. (See Crane, E. F., assignor.)
- Crane, H. M., New York, N. Y., assignor to Western Electric Company, Chicago, Ill. Electromagnetic signal-controlling device. No. 890,220; June 9; Sp. p. 2055; Dr. p. 451; Gaz. vol. 134; p. 1418.
- Crane, H. T., Cincinnati, Ohio. Combined blotter, calendar, ruler, measure, and paper-cutter. No. 891,819; June 30; Sp. p. 5382; Dr. p. 1164; Gaz. vol. 134; p. 2039.
- Crane, J. B., Ellensburg, Wash. Temporary sleigh-runner. No. 905,661; Dec. 1; Sp. p. 1091; Gaz. vol. 137; p. 1159.
- Crane, J. H., receiver. (See Holder, H. N., assignor.)
- Crane, J. S., Laconia, N. H. Stop-motion for knitting-machines. No. 880,013; Feb. 25; Sp. p. 4390; Dr. pp. 921-2; Gaz. vol. 132; p. 1648.
- Crane, N., Boston, Mass., assignor to Crane Buckle Company, Portland, Me. Fastener. No. 877,174; Jan. 21; Sp. p. 3082; Dr. p. 667; Gaz. vol. 132; p. 567.
- Crane, R. T., Chicago, Ill. Valve. No. 891,672; June 23; Sp. p. 5067; Dr. p. 1093; Gaz. vol. 134; p. 1957.
- Cranford, F. L., *et al.* (See Meem, J. C., assignor.)
- Cranford, W. L., *et al.* (See Meem, J. C., assignor.)
- Crapnell, W. K., Joy, Ill. Device for dipping stock. No. 888,001; May 19; Sp. p. 3381; Dr. pp. 710-11; Gaz. vol. 134; p. 607.
- Crapo, J. B., Parker, Idaho. Plowshare. No. 881,379; Mar. 10; Sp. p. 1783; Dr. p. 384; Gaz. vol. 133; p. 327.
- Crary, T. E., Middleport, Ohio. Manufacturing shells for rain-water cut-offs. No. 903,959; Nov. 17; Sp. p. 2894; Gaz. vol. 137; p. 528.
- Crawsweller, F. (See Stalker, N. S., assignor.)
- Crater, F., Parsons, Kans. Mechanical movement. No. 891,597; June 23; Sp. p. 4890; Dr. p. 1054; Gaz. vol. 134; p. 1931.
- Craty, J., *et al.* (See Bunnell, M. G., assignor.)
- Craun, W. R., Butler, Ind. Insect-destroyer. No. 882,142; Mar. 17; Sp. p. 3308; Dr. p. 705; Gaz. vol. 133; p. 603.
- Craven, A., East Providence, R. I. Toy. No. 883,860; Apr. 7; Sp. p. 382; Dr. p. 74; Gaz. vol. 133; p. 1252.
- Craven, H. O., Schenectady, N. Y. Sectional tire. No. 902,212; Oct. 27; Sp. p. 4472; Dr. p. 905; Gaz. vol. 136; p. 1864.
- Cravens, G. W. (See Yates and Cravens.)
- Cravens, G. W., Schenectady, N. Y., assignor to General Electric Company. Arc-lamp. No. 876,945; Jan. 21; Sp. p. 2586; Dr. p. 563; Gaz. vol. 132; p. 489.
- Craw, W. N., South Norwalk, Conn. Shipping-package. No. 897,594; Sept. 1; Sp. p. 727; Dr. p. 153; Gaz. vol. 136; p. 115.
- Crawford, A. H., Liverpool, N. Y. Basket. No. 900,487; Oct. 6; Sp. p. 878; Dr. p. 180; Gaz. vol. 136; p. 1209.
- Crawford, D. F., Pittsburg, Pa. Mechanical stoker for locomotives. No. 905,504; Dec. 1; Sp. p. 804; Gaz. vol. 137; p. 1111.
- Crawford, F. W., North Adams, Mass. Forming shoe-tongues. No. 884,471; Apr. 14; Sp. p. 1623; Dr. p. 350; Gaz. vol. 133; p. 1481.
- Crawford, G. H., Denver, Colo. Darning device. No. 888,592; May 26; Sp. p. 4539; Dr. p. 962; Gaz. vol. 134; p. 831.
- Crawford, G. O., assignor to A. O. Crawford Company, South Weymouth, Mass. Caterer's cup. No. 904,050; Nov. 17; Sp. p. 3074; Gaz. vol. 137; p. 559.
- Crawford, H. E. (See Scott and Crawford.)
- Crawford, J. E., Columbus, Ohio. Automatic snap for glassware-finishing. No. 886,351; May 5; Sp. p. 23; Dr. p. 5; Gaz. vol. 134; p. 7.
- Crawford, J. W., Lagrange, Ga. Cotton-planter. No. 901,072; Oct. 13; Sp. p. 2105; Dr. p. 428; Gaz. vol. 136; p. 1427.
- Crawford, L. J., Juniata, Nebr. Vehicle-wheel. No. 903,681; Nov. 10; Sp. p. 2307; Gaz. vol. 137; p. 405.
- Crawford, McGregor & Canby Co. (See Eastman, E. A., assignor.)
- Crawford, S. T., Sr., Baltimore, Md. Gleaner. No. 908,208; Dec. 29; Sp. p. 6173; Gaz. vol. 137; p. 2113.
- Crawford, W. C. (See Conn, D. E., assignor.)
- Crawford, W. H. (See Barcroft and Crawford.)
- Crawford, W. R., Jr., Raleigh, N. C. Pen and pencil holder. No. 897,064; Aug. 25; Sp. p. 4633; Dr. p. 986; Gaz. vol. 135; p. 1713.
- Crawley, M. C., Orcutt, Cal. Adding-machine. No. 899,482; Sept. 22; Sp. p. 4398; Dr. p. 944; Gaz. vol. 136; p. 814.
- Crea, H. H., Decatur, Ill. Fireless cooker. No. 875,695; Jan. 7; Sp. p. 33; Dr. p. 7; Gaz. vol. 132; p. 8.
- Creager, C. E., *et al.* (See Willis, C. A., assignor.)
- Creaghead, T. J., Covington, Ky. Insulator-support. No. 878,870; Feb. 11; Sp. p. 2047; Dr. p. 423; Gaz. vol. 132; p. 1204.
- Creamery Package Mfg. Company. (See Collins, J. D., assignor.)
- Creamery Package Mfg. Company. (See Macnish, F. J., assignor.)
- Creamery Package Mfg. Company. (See Valerius, T. L., assignor.)
- Creasey, S. E., Sanford, Me. Game apparatus. No. 887,464; May 12; Sp. p. 2306; Dr. p. 485; Gaz. vol. 134; p. 399.
- Creasy, J. A., Norborne, Mo. Apparatus for separating gold. No. 883,861; Apr. 7; Sp. p. 383; Dr. pp. 74-5; Gaz. vol. 133; p. 1252.
- Creelius, E. R., Providence, assignor to A. C. Messler, Pawtucket, R. I. Pin. No. 896,199; Aug. 18; Sp. p. 2809; Dr. p. 605; Gaz. vol. 135; p. 1405.
- Creelius, E. R., Providence, assignor to A. C. Messler, Pawtucket, R. I. Pin-tongue. No. 905,662; Dec. 1; Sp. p. 1092; Gaz. vol. 137; p. 1159.
- Creelius, T. E., St. Louis, Mo. Toy vehicle. No. 879,947; Feb. 25; Sp. p. 4270; Dr. p. 892; Gaz. vol. 132; p. 1627.

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- Creed, F. G., assignor to himself, and H. T. Brown, Glasgow, Scotland. Telegraphic apparatus. W. A. Coulson, N. P. No. 837,313; May 12; Sp. p. 1995; Dr. pp. 419-20; Gaz. vol. 134; p. 350.
- Creedon, H. C., Mebane, N. C. Davenport. No. 891,915; June 30; Sp. p. 5563; Dr. p. 1199; Gaz. vol. 134; p. 2071.
- Creedon, P. J. (See Parry and Creedon.)
- Creedon, P. J., Peterborough, Ontario, Canada. Auger-bit. No. 877,831; Jan. 28; Sp. p. 4364; Dr. p. 948; Gaz. vol. 132; p. 800.
- Creegan, J. P., *et al.* (See Martin, G., assignor.)
- Creek, R. A., Indianapolis, Ind. Book having a pocket. No. 877,553; Jan. 28; Sp. p. 3849; Dr. p. 833; Gaz. vol. 132; p. 712.
- Creelman, A. L., Chicago, Ill. Cash-register revolving indicating-target. No. 880,632; Mar. 3; Sp. p. 288; Dr. pp. 62-4; Gaz. vol. 133; p. 51.
- Crefield, H. J. (See Salmon and Crefield.)
- Cregier, F. Q., assignor of one-half to C. H. Edgcomb, Chicago, Ill. Armor for pneumatic tires. No. 881,905; Mar. 17; Sp. p. 2838; Dr. p. 606; Gaz. vol. 133; p. 526.
- Crego, Z. T., Columbus, Ohio. Constructing fence-posts. No. 905,794; Dec. 1; Sp. p. 1345; Gaz. vol. 137; p. 1204.
- Creighton, E. B. F., Schenectady, N. Y., assignor to Stanley G. I. Electric Manufacturing Company. Annealing-furnace. No. 901,956; Oct. 27; Sp. p. 3946; Dr. p. 806; Gaz. vol. 136; p. 1783.
- Crell, A. P., Ionia, Mich. Reversing mechanism. No. 900,832; Oct. 13; Sp. p. 1629; Dr. p. 329; Gaz. vol. 136; p. 1351.
- Crenshaw, J. R., Newborn, Ga. Spoke-puller. No. 885,445; Apr. 21; Sp. p. 3649; Dr. p. 766; Gaz. vol. 133; p. 1831.
- Crenshaw, J. T., Jetersville, Va., assignor of one-half to J. McCarthy, Appleton, Wis. Tobacco-planter. No. 901,279; Oct. 13; Sp. p. 2493; Dr. p. 511; Gaz. vol. 136; p. 1492.
- Crepap, R. W. (See Crepap, T. M. and R. W.)
- Crepap, T. M., Fargo, N. D., assignor of one-half to G. J. Hahn, Moorhead, Minn., and S. F. Cornell, Fargo, N. D. Car-wheel. No. 899,483; Sept. 22; Sp. p. 4402; Dr. p. 944; Gaz. vol. 136; p. 815.
- Crepap, T. M., Jamestown, assignor of one-half to G. A. Adams, Stutsman, F. C. Defield, Fargo, N. D., F. W. Washiekek, Pasco, Wash., and G. M. Carden, Blackstone, Va. Combination stock-car. No. 876,774; Jan. 14; Sp. p. 2211; Dr. p. 486; Gaz. vol. 132; p. 392.
- Crepap, T. M. and R. W., Fargo, N. D. Mower. No. 887,592; May 12; Sp. p. 2560; Dr. p. 540; Gaz. vol. 134; p. 441.
- Creswell, M. B., Des Moines, Iowa. Water-purifier and oil-separator. No. 892,504; July 7; Sp. p. 228; Dr. p. 48; Gaz. vol. 135; p. 42.
- Creveling, J. L., New York, N. Y., assignor to Safety Car Heating & Lighting Company. Operating pneumatically-driven fans. No. 905,291; Dec. 1; Sp. p. 319; Gaz. vol. 137; p. 1039.
- Creveling, J. L., New York, N. Y., assignor to Safety Car Heating & Lighting Company. Train fan system. No. 905,292; Dec. 1; Sp. p. 320; Gaz. vol. 137; p. 1039.
- Crevier, H. A. (See Trotter and Crevier.)
- Crew, J. (See Crew, J., assignor.)
- Crew, J., assignor of two-thirds to J. Crew and J. B. Wehrle, Charleston, W. Va. Composition of matter to be used for the welding of copper. No. 906,202; Dec. 8; Sp. p. 2135; Gaz. vol. 137; p. 1366.
- Crew, W. A., Salisbury, Md. Grave-vault. No. 883,627; Mar. 31; Sp. p. 6275; Dr. p. 1338; Gaz. vol. 133; p. 1149.
- Crew, W. A., Salisbury, Md. Cement-block mold. No. 892,138; June 30; Sp. p. 5991; Dr. p. 1287; Gaz. vol. 134; p. 2142.
- Crews, C. J. (See Pratte, C. A., assignor.)
- Cribb, E. B., Shawnee, Okla. Transmission-gearing. No. 878,611; Feb. 11; Sp. p. 1555; Dr. p. 316; Gaz. vol. 132; p. 1120.
- Crichton-Clarke, W. H., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety-razor. No. 906,488; Dec. 8; Sp. p. 2662; Gaz. vol. 137; p. 1460.
- Crichton, H. W., New York, N. Y. Hoop for exhibition purposes. No. 892,710; July 7; Sp. p. 617; Dr. p. 132; Gaz. vol. 135; p. 108.
- Crichton, H. W., New York, N. Y. Hoop for exhibition purposes. No. 896,712; Aug. 25; Sp. p. 3842; Dr. p. 832; Gaz. vol. 135; p. 1593.
- Crim, A. L., Seattle, Wash. Window-shade fixture. No. 886,953; May 5; Sp. p. 1221; Dr. p. 258; Gaz. vol. 134; p. 203.
- Crim, C. B., Seattle, Wash. Gradient instrument. No. 901,888; Oct. 20; Sp. p. 3798; Dr. p. 773; Gaz. vol. 136; p. 1730.
- Crim, H. F., and W. C. Loy, Rochester, Ind. Permutation-padlock. No. 879,747; Feb. 18; Sp. p. 3817; Dr. p. 800; Gaz. vol. 132; p. 1528.
- Crim, H. F., and W. C. Loy, Rochester, Ind. Permutation-padlock. No. 904,182; Nov. 17; Sp. p. 3369; Gaz. vol. 137; p. 606.
- Crimlisk, J. J., assignor of one-half to L. Delpino, Philadelphia, Pa. Cushioning-protector for hosiery-drying boards. No. 885,728; Apr. 28; Sp. p. 4234; Dr. p. 887; Gaz. vol. 133; p. 1950.
- Criner, H. J., Burlington, Iowa, assignor of one-half to F. S. Holsteen. Valve. No. 896,439; Aug. 18; Sp. p. 3304; Dr. p. 710; Gaz. vol. 135; p. 1483.
- Crippen, R. W. (See Branaman, T. G., assignor.)
- Crippen, W. R., assignor, by mesne assignments, to F. W. Moore, Cambridge, Mass. Autopneumatic music-playing instrument. No. 893,710; July 21; Sp. p. 2691; Dr. pp. 564-5; Gaz. vol. 135; p. 494.
- Crippen, W. R., Cambridge, assignor to Emerson Piano Company, Boston, Mass. Music-playing instrument. No. 896,517; Aug. 18; Sp. p. 3477; Dr. p. 746; Gaz. vol. 135; p. 1510.
- Cripps, A. G., Akron, Ohio. Relief-valve for hot-water heating systems. No. 895,436; Aug. 11; Sp. p. 1324; Dr. pp. 278-9; Gaz. vol. 135; p. 1137.
- Crise, L., assignor of one-half to C. F. Close, Upper Sandusky, Ohio. Tire-protector. No. 895,437; Aug. 11; Sp. p. 1326; Dr. p. 279; Gaz. vol. 135; p. 1138.
- Crisler, J. L. (See Crumpler and Crisler.)
- Crisler, J. L. (See Hines, Champeny, and Crisler.)
- Crislip, E. T., *et al.* (See Stewart, S., assignor.)
- Crisp, H. L., Relay, assignor of one-half to E. H. Brinkley and H. J. Patterson, College Park, Md. Molding-machine. No. 896,626; Aug. 18; Sp. p. 3661; Dr. p. 786; Gaz. vol. 135; p. 1543.
- Crisp, N. S. (See Brock, G. F., assignor.)
- Crist, J. L. (See Duncan and Crist.)
- Critchett, J. C., El Paso, Tex. Puzzle. No. 884,902; Apr. 14; Sp. p. 2515; Dr. pp. 531-2; Gaz. vol. 133; p. 1622.
- Crites, O. T., and H. T. Smoot, Parkersburg, W. Va. Shoe-cleaner. No. 881,380; Mar. 10; Sp. p. 1783; Dr. p. 385; Gaz. vol. 133; p. 327.
- Critser, R. (See Vance and Critser.)
- Crittall, F. H., Braintree, England. Manufacturing expanded metal. No. 890,126; June 9; Sp. p. 1862; Dr. pp. 410-11; Gaz. vol. 134; p. 1387.
- Crittall, F. H., Braintree, England. Machine for manufacturing expanded metal. No. 890,127; June 9; Sp. p. 1865; Dr. pp. 412-13; Gaz. vol. 134; p. 1387.
- Crittall, F. H., Braintree, England. Expanded metal. No. 892,938; July 7; Sp. p. 1108; Dr. p. 233; Gaz. vol. 135; p. 184.
- Crittenden, I. O., Cleveland, Ohio. Veterinary dilator and impregnator. No. 876,775; Jan. 14; Sp. p. 2213; Dr. p. 486; Gaz. vol. 132; p. 393.
- Critz, F. A., Jr., West Point, Miss. Shoe. No. 890,966; June 16; Sp. p. 3628; Dr. p. 789; Gaz. vol. 134; p. 1695.
- Croasdale, E., assignor to Tolhurst Machine Works, Troy, N. Y. Adjustable guide-pulley. No. 904,757; Nov. 24; Sp. p. 4567; Gaz. vol. 137; p. 825.
- Croasdale, J. P., Berwyn, Pa. Garment-supporter. No. 905,150; Dec. 1; Sp. p. 50; Gaz. vol. 137; p. 991.
- Crocker, A. T., Schenectady, N. Y., assignor to General Electric Company. Controller. No. 885,446; Apr. 21; Sp. p. 3651; Dr. p. 766; Gaz. vol. 133; p. 1831.
- Crocker, C. T., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Connector. No. 904,603; Nov. 24; Sp. p. 4245; Gaz. vol. 137; p. 773.
- Crocker, E. P., Rochester, N. Y., and A. B. Payne, Webster Groves, Mo.; said Crocker assignor to said Payne. Picture for stereoscopes and similar devices. No. 899,862; Sept. 29; Sp. p. 5228; Dr. p. 1118; Gaz. vol. 136; p. 977.
- Crocker, E. P., Rochester, N. Y., and A. B. Payne, Webster Groves, Mo.; said Crocker assignor to said Payne. Stereoscope. No. 907,973; Dec. 29; Sp. p. 5660; Gaz. vol. 137; p. 2033.
- Crocker, F. B., New York, N. Y. Automatic regulation of rectifiers and rotary converters. No. 891,797; June 23; Sp. p. 5310; Dr. pp. 1149-50; Gaz. vol. 134; p. 2001.
- Crocker, F. W., North Baltimore, Ohio. Engraver's spoon-holder. No. 900,148; Oct. 6; Sp. p. 157; Dr. p. 33; Gaz. vol. 136; p. 1099.
- Crocker, H., Iola, Kans. Retort-charging apparatus. No. 894,119; July 21; Sp. p. 3623; Dr. pp. 746-7; Gaz. vol. 135; p. 631.
- Crocker, R. W., Chicago, Ill. Vessel-closure. No. 878,940; Feb. 11; Sp. p. 2180; Dr. p. 455; Gaz. vol. 132; p. 1225.
- Crocker-Wheeler Company. (See Dunn, G., assignor.)
- Crocker-Wheeler Company. (See Treat, R. B., assignor.)
- Crocker-Wheeler Company. (See Wheeler, S. S., assignor.)
- Crockett, D. W., Indianapolis, Ind. Lock. No. 881,999; Mar. 17; Sp. p. 3045; Dr. pp. 648-9; Gaz. vol. 133; p. 557.
- Crockett, H. P., Battle Creek, assignor to A. M. Keeney, Augusta, Mich. Machine for drying, scouring, and cleaning grain. No. 890,758; June 16; Sp. p. 3192; Dr. p. 697; Gaz. vol. 134; p. 1626.
- Croft, H. W., Pittsburg, and O. M. Reif, Allegheny, Pa. Kiln. No. 899,714; Sept. 29; Sp. p. 4885; Dr. pp. 1048-9; Gaz. vol. 136; p. 925.
- Crofts, S. T. (See Rankin, C. C., assignor.)
- Crombie, C. E., Minneapolis, Minn. Dental bridge. No. 898,559; Sept. 15; Sp. p. 2667; Dr. p. 570; Gaz. vol. 136; p. 489.
- Crombie, W., Lincoln, Nebr. Truss. No. 893,146; July 14; Sp. p. 1548; Dr. p. 326; Gaz. vol. 135; p. 282.

Alphabetical list of patentees—Continued.

- Cromer, H. I. (See Zimmerman, J., assignor.)
 Cromer, H. I., Chicago, Ill. Turbine-engine. No. 876,860; Jan. 14; Sp. p. 2370; Dr. p. 518; Gaz. vol. 132; p. 419.
 Cromer, T. S., assignor of one-half to J. E. A. Banger, Linden, Tex. Compound rail. No. 902,136; Oct. 27; Sp. p. 4318; Dr. p. 875; Gaz. vol. 136; p. 1840.
 Cromley, C. D. (See Chapman and Cromley.)
 Crompton Company. (See Gildard, C. G., assignor.)
 Crompton & Knowles Loom Works. (See Bardsley, H., assignor.)
 Crompton & Knowles Loom Works. (See Brothers, W. H., assignor.)
 Crompton & Knowles Loom Works. (See Clark, J. A., assignor.)
 Crompton & Knowles Loom Works. (See Cowan, A. S., assignor.)
 Crompton & Knowles Loom Works. (See Crompton, R., assignor.)
 Crompton & Knowles Loom Works. (See Hollingsworth, E., assignor.)
 Crompton & Knowles Loom Works. (See Holmes, E. R., assignor.)
 Crompton & Knowles Loom Works. (See Holmes and Cowan, assignors.)
 Crompton & Knowles Loom Works. (See Jenckes and Ryon, assignors.)
 Crompton & Knowles Loom Works. (See Lang, A., assignor.)
 Crompton & Knowles Loom Works. (See Lutton, W. J., assignor.)
 Crompton & Knowles Loom Works. (See Morell, A., assignor.)
 Crompton & Knowles Loom Works. (See Ryon, E. H., assignor.)
 Crompton & Knowles Loom Works. (See Steele, A. H., assignor.)
 Crompton & Knowles Loom Works. (See Wyman, H., assignor.)
 Crompton, R., Worcester, Mass., assignor, by mesne assignments, to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 879,368; Feb. 18; Sp. p. 3011; Dr. pp. 629-30; Gaz. vol. 132; p. 1404.
 Crompton, R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing loom. No. 885,021; Apr. 21; Sp. p. 2760; Dr. pp. 585-6; Gaz. vol. 133; p. 1695.
 Crompton, R., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Filling-changing loom. No. 887,465; May 12; Sp. p. 2309; Dr. pp. 485-6; Gaz. vol. 134; p. 400.
 Crompton, R., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Filling-carrier for weft-replenishing looms. No. 908,209; Dec. 29; Sp. p. 6175; Gaz. vol. 137; p. 1213.
 Cronbaugh, C. W., E. L., and M. D., Ada, Ohio. Folding crate. No. 879,855; Feb. 25; Sp. p. 4067; Dr. p. 852; Gaz. vol. 132; p. 1596.
 Cronbaugh, E. L. (See Cronbaugh, C. W., E. L., and M. D.)
 Cronbaugh, M. D. (See Cronbaugh, C. W., E. L., and M. D.)
 Crone, E. E., Louisville, Ky. Money-drawer and locking device therefor. No. 907,223; Dec. 22; Sp. p. 4088; Gaz. vol. 137; p. 1753.
 Crone, F. G., Buffalo, N. Y. Tire-protector. No. 902,276; Oct. 27; Sp. p. 4611; Dr. p. 937; Gaz. vol. 136; p. 1885.
 Crone, S. A., New York, N. Y. Railway-car brake-shoe. No. 889,510; June 2; Sp. p. 642; Dr. p. 149; Gaz. vol. 134; p. 1160.
 Crone, S. A., New York, N. Y. Railway-car brake-shoe. No. 889,511; June 2; Sp. p. 643; Dr. p. 149; Gaz. vol. 134; p. 1160.
 Crone, S. A., New York, N. Y. Railway-car brake-shoe. No. 891,209; June 16; Sp. p. 4080; Dr. p. 896; Gaz. vol. 134; p. 1772.
 Crone, S. A., East Orange, N. J. Railway brake-beam. No. 902,055; Oct. 27; Sp. p. 4162; Dr. p. 842; Gaz. vol. 136; p. 1814.
 Crone, S. A., East Orange, N. J. Railway-car brake. No. 902,137; Oct. 27; Sp. p. 4319; Dr. p. 875; Gaz. vol. 136; p. 1840.
 Crone, S. A., East Orange, N. J. Railway brake-beam. No. 902,138; Oct. 27; Sp. p. 4322; Dr. p. 875; Gaz. vol. 136; p. 1840.
 Cronmeyer, E. L., Granite City, Ill. Tin-plate catcher. No. 885,729; Apr. 28; Sp. p. 4235; Dr. pp. 887-8; Gaz. vol. 133; p. 1950.
 Cronk, C. H., Curtis, Nebr. Transporting receptacle. No. 890,846; June 16; Sp. p. 3359; Dr. p. 736; Gaz. vol. 134; p. 1655.
 Cronk, C. H., Curtis, Nebr. Egg-crate shipping-case. No. 894,260; July 28; Sp. p. 3952; Dr. p. 814; Gaz. vol. 135; p. 697.
 Crook, H. W., Chicago, Ill. Mail-bag-catching apparatus. No. 902,377; Oct. 27; Sp. p. 4826; Dr. pp. 975-6; Gaz. vol. 136; p. 1918.
 Crooke, R. F., assignor to Bradley & Hubbard Mfg. Co., Meriden, Conn. Glass-mount for lamp-shades and kindred articles. No. 901,690; Oct. 20; Sp. p. 3426; Dr. p. 695; Gaz. vol. 136; p. 1668.
 Crooke, R. F., assignor to Bradley & Hubbard Mfg. Co., Meriden, Conn. Metal-bordered panel for desk furniture. No. 906,777; Dec. 15; Sp. p. 3214; Gaz. vol. 137; p. 1556.
 Crooker, H. L., Union City, Pa. Clothes-pounder. No. 878,190; Feb. 4; Sp. p. 619; Dr. p. 127; Gaz. vol. 132; p. 946.
 Crooker, W. W., Lynn, assignor to F. E. Wachtler, Boston, Mass. Finishing surfaces of heels, soles, &c. No. 876,861; Jan. 14; Sp. p. 2377; Gaz. vol. 132; p. 420.
 Cropp, H. R., Oakland, Cal. Display-stand. No. 904,758; Nov. 24; Sp. p. 4571; Gaz. vol. 137; p. 825.
 Crosby, B., Dayton township, Butler county, Iowa. Tiling. No. 898,560; Sept. 15; Sp. p. 2668; Dr. p. 570; Gaz. vol. 136; p. 489.
 Crosby, C. W., assignor to International Stoker Company, Chicago, Ill. Conveying mechanism. No. 885,730; Apr. 28; Sp. p. 4238; Dr. pp. 888-9; Gaz. vol. 133; p. 1950.
 Crosby, C. W., assignor to International Stoker Company, Chicago, Ill. Stoking furnaces. No. 888,787; May 26; Sp. p. 4958; Dr. pp. 1057-8; Gaz. vol. 134; p. 894.
 Crosby, C. W., assignor to International Stoker Company, Chicago, Ill. Stoking apparatus. No. 888,875; May 26; Sp. p. 5158; Dr. p. 1095; Gaz. vol. 134; p. 924.
 Crosby, J. D., et al. (See McClintock, E. H., assignor.)
 Crosby, J. W., assignor of one-half to E. R. Caldwell, Bradford, Pa. Molding-machine. No. 891,042; June 16; Sp. p. 3762; Dr. pp. 821-2; Gaz. vol. 134; p. 1720.
 Crosby, R. A., Portland, assignor of one-half to E. C. Verrill, Cape Elizabeth, Me. Developing-tray. No. 880,863; Mar. 3; Sp. p. 781; Dr. p. 165; Gaz. vol. 133; p. 130.
 Crosby Steam Gage and Valve Company. (See Cook, J. J., assignor.)
 Crosby Steam Gage and Valve Company. (See Spencer, G., assignor.)
 Crosby, W. C., Cyril, Fla. Rail-splice. No. 885,666; Apr. 21; Sp. p. 4097; Dr. p. 857; Gaz. vol. 133; p. 1899.
 Croskev, J. H., assignor to Duquesne Glass Co., Pittsburg, Pa. Glass-gathering apparatus. No. 881,096; Mar. 3; Sp. p. 1203; Dr. pp. 259-60; Gaz. vol. 133; p. 205.
 Crosley, A. D., Jewell, Iowa. Hen's nest. No. 902,056; Oct. 27; Sp. p. 4164; Dr. p. 843; Gaz. vol. 136; p. 1814.
 Crosno, A. O., Mode, Ill. Table attachment for bedsteads. No. 876,041; Jan. 7; Sp. p. 687; Dr. p. 147; Gaz. vol. 132; p. 119.
 Cross, A. B., assignor of one-half to B. L. Umberger, Concord, N. C. Piano-action. No. 904,117; Nov. 17; Sp. p. 3207; Gaz. vol. 137; p. 582.
 Cross, A. B., and B. L. Umberger, Concord, N. C. Keyboard. No. 877,911; Feb. 4; Sp. p. 35; Dr. p. 7; Gaz. vol. 132; p. 854.
 Cross, A. K., Winthrop, Mass. Coin-delivery machine. No. 893,450; July 14; Sp. p. 2143; Dr. p. 450; Gaz. vol. 135; p. 380.
 Cross, A. T., Providence, R. I. Fountain-pen. No. 900,833; Oct. 13; Sp. p. 1631; Dr. p. 330; Gaz. vol. 136; p. 1351.
 Cross, C. S. (See Tighe and Cross.)
 Cross, F. L., Mystic, Conn., assignor to Cross Paper Feeder Company, Boston, Mass. Sheet-feeding machine. No. 887,314; May 12; Sp. p. 2003; Dr. p. 420; Gaz. vol. 134; p. 351.
 Cross, J. S., Wamsley, Ohio. Axle-setter. No. 902,716; Nov. 3; Sp. p. 371; Gaz. vol. 137; p. 63.
 Cross, J. W., assignor of one-half to B. B. Allphin, Walton, Ky. Brake. No. 885,447; Apr. 21; Sp. p. 3654; Dr. p. 766; Gaz. vol. 133; p. 1832.
 Cross Paper Feeder Company. (See Cross, F. L., assignor.)
 Cross, T., Washington, Ind. Mail-bag delivering and receiving apparatus. No. 893,451; July 14; Sp. p. 2151; Dr. p. 451; Gaz. vol. 135; p. 381.
 Cross, W., Winnipeg, Manitoba, Canada. Snow and ice scraper. No. 907,317; Dec. 22; Sp. p. 4277; Gaz. vol. 137; p. 1788.
 Crossan, C., Johnstown, Pa. Heat-retainer for ovens. No. 904,311; Nov. 17; Sp. p. 3653; Gaz. vol. 137; p. 651.
 Crossan, E. W., Wilmington, Del. Stamping and numbering machine. No. 902,378; Oct. 27; Sp. p. 4828; Dr. p. 976; Gaz. vol. 136; p. 1918.
 Crossett, L. D., Seattle, Wash. Watch-support. No. 903,545; Nov. 10; Sp. p. 2028; Gaz. vol. 137; p. 363.
 Crossley, J. T. (See Rathbone and Crossley.)
 Crossley, W. J., Openshaw, Manchester, and J. Atkinson, Mellor, England. Governing-gear for internal-combustion engines. No. 876,499; Jan. 14; Sp. p. 1517; Dr. p. 326; Gaz. vol. 132; p. 280.
 Crossley, W. J., and T. Rigby, Openshaw, near Manchester, England. Recovering ammonia and heating air in the manufacture of producer-gas. No. 885,980; Apr. 28; Sp. p. 4766; Dr. p. 1001; Gaz. vol. 133; p. 2034.
 Crossman, M. R., Boston, Mass. Heel. No. 887,593; May 12; Sp. p. 2564; Dr. p. 540; Gaz. vol. 134; p. 442.
 Crotty, J. J. (See Fruin and Crotty.)
 Crouch, F. J., and C. P. Church, Seattle, Wash. Internal-combustion engine. No. 893,058; July 14; Sp. p. 1367; Dr. p. 288; Gaz. vol. 135; p. 253.
 Crouch, F. J., and C. P. Church, Seattle, Wash. Motor. No. 897,595; Sept. 1; Sp. p. 728; Dr. p. 153; Gaz. vol. 136; p. 115.
 Crouch, F. J. and L. A., assignors of one-half to J. A. Becker and H. D. Smith, Seattle, Wash. Couch and bed. No. 907,468; Dec. 22; Sp. p. 4591; Gaz. vol. 137; p. 1839.
 Crouch & Fitzgerald. (See Fitzgerald, W. P., assignor.)
 Crouch & Fitzgerald. (See Gilmore, J. W., assignor.)

Alphabetical list of patentees—Continued.

- Crouch & Fitzgerald. (See Ohlen, H. von, assignor.)
 Crouch, J. S., Manchester, Iowa. Pumpkin-seed attachment for planters. No. 893,310; July 14; Sp. p. 1857; Dr. p. 388; Gaz. vol. 135; p. 334.
 Crouch, L. A. (See Crouch, F. J. and L. A.)
 Crouch Manufacturing Jewelry Company. (See Liebert, E., assignor.)
 Crouch, T. T., Chicago, Ill. Calculating device. No. 886,189; Apr. 28; Sp. p. 5174; Dr. pp. 1089-90; Gaz. vol. 133; p. 2101.
 Crouch, V., Calumet, Okla. Ball-bearing washer. No. 894,606; July 28; Sp. p. 4654; Dr. p. 966; Gaz. vol. 135; p. 812.
 Crouch, W. L., Beaver Falls, Pa. Shaving apparatus. No. 907,974; Dec. 29; Sp. p. 5665; Gaz. vol. 137; p. 2033.
 Crouse, J. H., Auburn, N. Y. Horse-collar. No. 892,711; July 7; Sp. p. 618; Dr. p. 133; Gaz. vol. 135; p. 108.
 Crouse, J. N., Chicago, Ill. Dental cement. No. 902,562; Nov. 3; Sp. p. 62; Gaz. vol. 137; p. 11.
 Crouse, J. W., and W. J. Barnett, Jr., Philadelphia, Pa. Hand-stamp. No. 888,593; May 26; Sp. p. 4540; Dr. p. 963; Gaz. vol. 134; p. 832.
 Crouse, M. E., Lawrence, Mass., and J. E. Roberts, New York, N. Y.; said Roberts assignor to said Crouse. Hat-holder. No. 880,364; Feb. 25; Sp. p. 5083; Dr. p. 1074; Gaz. vol. 132; p. 1763.
 Croushore, A. W., Lincoln Place, Pa. Attachment for type-writers. No. 878,941; Feb. 11; Sp. p. 2181; Dr. p. 456; Gaz. vol. 132; p. 1226.
 Crowder, D. W., assignor of one-half to D. G. Morgan, Hillham, Ind. Riding-spur. No. 877,886; Jan. 28; Sp. p. 4458; Dr. p. 972; Gaz. vol. 132; p. 817.
 Crowder, W. E. (See Shores, J. A., assignor.)
 Crowdes, J. G., Boston, assignor to C. W. Rugg, Brookline, Mass. Grate. No. 896,692; Aug. 18; Sp. p. 3799; Dr. pp. 821-2; Gaz. vol. 135; p. 1563.
 Crowe, J. F., Burnside, Ky. Concrete-mixer. No. 886,680; May 5; Sp. p. 681; Dr. p. 141; Gaz. vol. 134; p. 116.
 Crowell, C. H., Nashua, N. H., and G. W. Watson, Swampscott, Mass.; said Watson assignor to said Crowell. Stay-strip. No. 902,563; Nov. 3; Sp. p. 64; Gaz. vol. 136; p. 11.
 Crowell, C. M. (See Tickner, W. D. and L. C., assignors.)
 Crowell, E. R., et al., executors. (See Crowell, L. H.)
 Crowell, L. H., deceased, Halifax, Nova Scotia, Canada; E. R. and M. O. Crowell, executors. Tooth-brush. No. 878,486; Feb. 4; Sp. p. 1211; Dr. p. 249; Gaz. vol. 132; p. 1044.
 Crowell, M. E., Franklin, assignor of one-half to F. F. Chandler, Indianapolis, Ind. Gas-producer. No. 894,877; Aug. 4; Sp. p. 154; Dr. pp. 34-5; Gaz. vol. 135; p. 925.
 Crowell, M. O., et al., executors. (See Crowell, L. H.)
 Crowell, W. D., et al. (See Clement, R. B., assignor.)
 Crowell, W. J., Lebanon, Pa. Differential-pressure gage. No. 904,511; Nov. 24; Sp. p. 4073; Gaz. vol. 137; p. 743.
 Crowley, C. J., Burlington, Iowa. Flue-cutter. No. 902,379; Oct. 27; Sp. p. 4833; Dr. p. 976; Gaz. vol. 136; p. 1919.
 Crowley, M. E., Sharpville, Pa. Attachment for printing-stamps. No. 891,150; June 16; Sp. p. 3946; Dr. p. 865; Gaz. vol. 134; p. 1752.
 Crown Cork and Seal Co. of Baltimore City. (See Wheeler, W. H., assignor.)
 Crown Cork and Seal Company of Baltimore City. (See Painter, W., assignor.)
 Crown Fire Extinguisher Company. (See McGinley, J. B., assignor.)
 Crowson, J. C., Bagdad, Fla. Window-pane fastener. No. 888,424; May 19; Sp. p. 4193; Dr. p. 889; Gaz. vol. 134; p. 743.
 Crowson, J. H., Atlanta, Tex. Fish-trap. No. 887,232; May 12; Sp. p. 1783; Dr. p. 375; Gaz. vol. 134; p. 320.
 Crowson, W. L., assignor of three-fourths to J. M., J. E., and R. Braun, Memphis, Tenn. Roller cotton-gin. No. 904,939; Nov. 24; Sp. p. 4967; Gaz. vol. 137; p. 886.
 Crowther, D., et al. (See Ridout, J. B., assignor.)
 Crowther, G. A. (See Crowther, J. H. and G. A.)
 Crowther, H. M., Salt Lake City, Utah. Extracting salts from solutions. No. 877,912; Feb. 4; Sp. p. 36; Gaz. vol. 132; p. 854.
 Crowther, J. H. and G. A., Auburn, N. Y. Waste-saving device. No. 898,330; Sept. 8; Sp. p. 2201; Dr. p. 467; Gaz. vol. 136; p. 381.
 Crowther, W., St. Paul, Minn. Display-stand. No. 886,480; May 5; Sp. p. 276; Dr. p. 58; Gaz. vol. 134; p. 51.
 Croy, B. V., Cumnor, Ind. Self-regulating damper. No. 883,789; Apr. 7; Sp. p. 216; Dr. p. 39; Gaz. vol. 133; p. 1228.
 Croy, J., Greenville, Mich. Expansion-culvert. No. 894,120; July 21; Sp. p. 3628; Dr. p. 747; Gaz. vol. 135; p. 632.
 Crozier, J., and L. Stuart, Montpelier, Vt. Combined hat, coat, and umbrella rack. No. 894,607; July 28; Sp. p. 4655; Dr. p. 966; Gaz. vol. 135; p. 812.
 Crozier, L. A., Lynn, Mass. Street-sweeper. No. 901,154; Oct. 13; Sp. p. 2252; Dr. p. 458; Gaz. vol. 136; p. 1453.
 Crozier, T. T., Bellaire, Ohio. Separating system. No. 889,664; June 2; Sp. p. 916; Dr. p. 213; Gaz. vol. 134; p. 1209.
 Crozier, T. W., assignor of one-half to G. W. Mitchell and W. Wall, Christiansburg, Va. Nut-lock. No. 889,764; June 2; Sp. p. 1122; Dr. p. 260; Gaz. vol. 134; p. 1240.
 Crucible Steel Company of America. (See Illingworth, R. H., assignor.)
 Crudginton, J. F., Bridgeport, Conn. Pipe-threading die. No. 885,144; Apr. 21; Sp. p. 3035; Dr. p. 639; Gaz. vol. 133; p. 1732.
 Cruickshank, A., Chicago, Ill. Dog-house for open-hearth furnaces. No. 888,962; May 26; Sp. p. 5336; Dr. p. 1132; Gaz. vol. 134; p. 952.
 Cruickshank, J., Shamokin, Pa. Lamp-shade holder. No. 897,194; Aug. 25; Sp. p. 4862; Dr. p. 1034; Gaz. vol. 135; p. 1753.
 Crum, G. A., Los Angeles, Cal. Three-horse equalizer. No. 905,990; Dec. 8; Sp. p. 1734; Gaz. vol. 137; p. 1297.
 Crumière, E., Paris, France. Eliminating copper from coagulated cellulose. No. 904,684; Nov. 24; Sp. p. 4412; Gaz. vol. 137; p. 801.
 Crumly, W. A., Springfield, Ill. Combined pump and well curb. No. 878,357; Feb. 4; Sp. p. 939; Dr. p. 187; Gaz. vol. 132; p. 1001.
 Crummer, J. A., Grant township, Pocahontas county, Iowa. Surface-hoe. No. 877,913; Feb. 4; Sp. p. 38; Dr. p. 7; Gaz. vol. 132; p. 855.
 Crump, F. H., Los Angeles, Cal. Excess-baggage coupon-check. No. 884,266; Apr. 7; Sp. p. 1222; Dr. p. 257; Gaz. vol. 133; p. 1386.
 Crump, F. H., Los Angeles, Cal. Loose-leaf binder. No. 891,043; June 16; Sp. p. 3766; Dr. p. 855; Gaz. vol. 134; p. 1720.
 Crump, F. H., Los Angeles, Cal. Loose-leaf binder. No. 905,663; Dec. 1; Sp. p. 1093; Gaz. vol. 137; p. 1160.
 Crump, T. J., assignor of one-half to S. Cockrell, Meridian, Miss. Animal-trap. No. 878,123; Feb. 4; Sp. p. 460; Dr. p. 98; Gaz. vol. 132; p. 923.
 Crumpler, W. T., and J. L. Crisler, Pittsburg, Kans. Air-brake system. No. 894,608; July 28; Sp. p. 4658; Dr. p. 967; Gaz. vol. 135; p. 812.
 Cruse, C. B., Perkins, Okla. Animal-catcher. No. 902,057; Oct. 27; Sp. p. 4165; Dr. p. 843; Gaz. vol. 136; p. 1814.
 Crush, E. P., Charlton, assignor to A. James, London, England. Sectional filter for exhaust filtration. No. 884,797; Apr. 14; Sp. p. 2327; Dr. p. 489; Gaz. vol. 133; p. 1590.
 Cruver, C. L., Chicago, Ill. Device for removing bottle-caps. No. 890,027; June 9; Sp. p. 1663; Dr. p. 370; Gaz. vol. 134; p. 1354.
 Cruyt, W. J., Brussels, Belgium. Apparatus for the production of hot fluids under pressure. No. 891,820; June 30; Sp. p. 5384; Dr. p. 1165; Gaz. vol. 134; p. 2039.
 Crystal, H. D., Weed, Cal. Jack-screw head. No. 908,210; Dec. 29; Sp. p. 6177; Gaz. vol. 137; p. 2113.
 Csincosak, J., Chicago, Ill. Egg-holder. No. 886,954; May 5; Sp. p. 1222; Dr. p. 259; Gaz. vol. 134; p. 203.
 Csincosak, J., Chicago, Ill. Frying-pan. No. 888,002; May 19; Sp. p. 3384; Dr. p. 711; Gaz. vol. 134; p. 608.
 Cubitt, A. S., Schenectady, N. Y., assignor to General Electric Company. Relay. No. 885,688; Apr. 21; Sp. p. 4143; Dr. p. 867; Gaz. vol. 133; p. 1907.
 Cubitt, A. S., Schenectady, N. Y., assignor to General Electric Company. Electrically-controlled switch. No. 901,424; Oct. 20; Sp. p. 2839; Dr. p. 580; Gaz. vol. 136; p. 1579.
 Cudahy Packing Co. (See Nicklin and Bergquist, assignors.)
 Cude, C. R., Richland Springs, Tex. Governor-cylinder. No. 904,118; Nov. 17; Sp. p. 3208; Gaz. vol. 137; p. 583.
 Cudworth, D., Shelburne, Mass. Fine-fuel furnace. No. 890,028; June 9; Sp. p. 1664; Dr. pp. 370-1; Gaz. vol. 134; p. 1354.
 Cuff, J. M., Jersey City Heights, assignor of two-thirds to M. Harris and M. R. Levy, Jersey City, N. J. Striking device for door locks and latches. No. 890,613; June 16; Sp. p. 2869; Dr. p. 631; Gaz. vol. 134; p. 1578.
 Cukerbraun, M. L. (See Amberson, L. C., assignor.)
 Cukier, X., New York, N. Y. Cabinet for holding phonograph disk records. No. 877,832; Jan. 28; Sp. p. 4364; Dr. p. 948; Gaz. vol. 132; p. 800.
 Culbertson, F., assignor of one-third to J. Mosal, Jackson, Miss. Oil attachment for handsaws and the like. No. 876,695; Jan. 14; Sp. p. 2084; Dr. p. 453; Gaz. vol. 132; p. 368.
 Culbreth, S. A. (See Smith and Culbreth.)
 Cull, H., Chicago, Ill. Magazine-feeder for ranges or the like. No. 895,540; Aug. 11; Sp. p. 1537; Dr. p. 325; Gaz. vol. 135; p. 1172.
 Cullen, F. H., Pittsburg, Pa. Seat. No. 886,115; Apr. 28; Sp. p. 5040; Dr. p. 1059; Gaz. vol. 133; p. 2078.
 Cullen, J., McGirk, Mo. Poultry-fountain. No. 881,906; Mar. 17; Sp. p. 2840; Dr. pp. 606-7; Gaz. vol. 133; p. 526.
 Culley, J. S., Louisville, Ky. Wall for buildings. No. 897,353; Sept. 1; Sp. p. 209; Dr. p. 44; Gaz. vol. 136; p. 32.
 Culp, C. M., South Bend, Ind. Rail-splice. No. 901,524; Oct. 20; Sp. p. 3066; Dr. p. 627; Gaz. vol. 136; p. 1612.
 Culp, M. M. (See Gerlach and Culp.)
 Culp, W. H., King, Tex. Sash-lock. No. 881,177; Mar. 10; Sp. p. 1361; Dr. p. 293; Gaz. vol. 133; p. 261.
 Culver, A. V., Frankfort, Ind. Ice-crusher and elevator. No. 894,425; July 28; Sp. p. 4296; Dr. p. 886; Gaz. vol. 135; p. 753.
 Culver, B. B., St. Louis, Mo. Water-heater for ranges and stoves. No. 907,469; Dec. 22; Sp. p. 4592; Gaz. vol. 137; p. 1839.
 Culver, D. M., Simcoe, Ontario, Canada. Aerator for milk. No. 893,452; July 14; Sp. p. 2154; Dr. p. 451; Gaz. vol. 135; p. 381.

Alphabetical list of patentees—Continued.

- Culver, E., Pittsburg, Pa. Egg-tester. No. 881,304; Mar. 10; Sp. p. 1629; Dr. p. 348; Gaz. vol. 133; p. 304.
- Culver, I. G., New York, N. Y. Nursing-waist. No. 890,614; June 16; Sp. p. 2871; Dr. p. 632; Gaz. vol. 134; p. 1578.
- Culver, K., West Jordan, Utah. Bottle. No. 890,410; June 9; Sp. p. 2450; Dr. p. 542; Gaz. vol. 134; p. 1479.
- Culver, L. F., Harvey, Ill. Stovepipe and flue-stopper fastener. No. 897,717; Sept. 1; Sp. p. 967; Dr. p. 206; Gaz. vol. 136; p. 155.
- Cumber, R. G. (See Geschwend and Cumber.)
- Cuming, M. A., New York, N. Y. Carving-machine. (Reissue.) No. 12,827; July 7; Sp. p. 1175; Dr. pp. 247-8; Gaz. vol. 135; p. 198.
- Cummer Lumber Company. (See Ainslie, W. L., assignor.)
- Cummer, W. M., Cleveland, Ohio. Drying-cylinder. No. 876,440; Jan. 14; Sp. p. 1520; Dr. p. 326; Gaz. vol. 132; p. 280.
- Cummer, W. M., Cleveland, Ohio. Mechanical drier. No. 885,474; May 26; Sp. p. 4296; Dr. p. 910; Gaz. vol. 134; p. 790.
- Cummer, W. M., Cleveland, Ohio. Mechanical drier. No. 885,475; May 26; Sp. p. 4299; Dr. p. 910; Gaz. vol. 134; p. 790.
- Cummings, J. M., Newark, N. J. Bottle-closure. No. 880,723; Mar. 3; Sp. p. 463; Dr. p. 98; Gaz. vol. 133; p. 82.
- Cummings, J. M., Newark, N. J. Bottle-closure. No. 896,804; Aug. 25; Sp. p. 4054; Dr. p. 873; Gaz. vol. 135; p. 1625.
- Cummings, W. O., assignor to R. C. and J. W. Hicks, Macon, Ga. Combined furrow-maker and fertilizer-distributor. No. 883,000; Mar. 24; Sp. p. 4991; Dr. p. 1061; Gaz. vol. 133; p. 916.
- Cummings, A. A. (See De Groff and Cummings.)
- Cummings, A. A., Little Genesee, and D. S. Dempsey, Bolivar, N. Y. Sluice. No. 905,290; Dec. 1; Sp. p. 318; Gaz. vol. 137; p. 1035.
- Cummings, A. G. (See Weber, J., assignor.)
- Cummings, E. W., Oakland, assignor to G. H. Young, San Francisco, Cal. Saw-table safety attachment. No. 901,889; Oct. 20; Sp. p. 3799; Dr. p. 773; Gaz. vol. 136; p. 1730.
- Cummings, G. H., Waterbury, Conn. Anchor. No. 877,761; Jan. 28; Sp. p. 4232; Dr. pp. 918-19; Gaz. vol. 132; p. 777.
- Cummings, G. W., Jr., Cohoes, N. Y. Garment-fastener. No. 879,369; Feb. 18; Sp. p. 3020; Dr. p. 630; Gaz. vol. 132; p. 1405.
- Cummings, H. H., Newton, assignor, by mesne assignments, to T. G. Plant, Boston, Mass. Nail forming and driving machine. No. 883,862; Apr. 7; Sp. p. 385; Dr. pp. 75-6; Gaz. vol. 133; p. 1253.
- Cummings, H. H., Newton, assignor to Union Lock Stitch Company, Boston, Mass. Automatic presser-foot-lifting mechanism. No. 891,210; June 16; Sp. p. 4083; Dr. pp. 896-7; Gaz. vol. 134; p. 1772.
- Cummings, H. H., Malden, Mass., assignor, by mesne assignments, to Manufacturers Machine Company, Montclair, N. J. Stitch separating and indenting machine. No. 885,022; Apr. 21; Sp. p. 2766; Dr. pp. 586-8; Gaz. vol. 133; p. 1693.
- Cummings, J., Grand Rapids, Mich. Carrier for cans, casks, &c. No. 878,358; Feb. 4; Sp. p. 941; Dr. p. 188; Gaz. vol. 132; p. 1001.
- Cummings, M. D., Columbus, Ohio. Mail catching and delivering device. No. 895,004; Aug. 4; Sp. p. 465; Dr. pp. 94-5; Gaz. vol. 135; p. 969.
- Cummings, R. A., Beaver, Pa. Connecting and spacing clip for metal reinforcement, &c. No. 879,148; Feb. 18; Sp. p. 2589; Dr. p. 539; Gaz. vol. 132; p. 1332.
- Cummings, R. A., Beaver, Pa. Unit reinforcement for concrete construction. No. 884,010; Apr. 7; Sp. p. 692; Dr. p. 139; Gaz. vol. 133; p. 1303.
- Cummings, R. S., West Newton, Mass. Door-closing device. No. 902,717; Nov. 3; Sp. p. 372; Gaz. vol. 137; p. 63.
- Cummings, R. T., Mayville, Ky. Combined tie and rail-fastening. No. 884,132; Apr. 7; Sp. p. 985; Dr. p. 205; Gaz. vol. 133; p. 1343.
- Cummings, W. J., Joliet, Ill., assignor to Sweet, Orr & Company, Newburgh, N. Y. Pocket for garments. No. 905,795; Dec. 1; Sp. p. 1346; Gaz. vol. 137; p. 1204.
- Cummings, W. J., Joliet, Ill., assignor to Sweet, Orr & Company, Newburgh, N. Y. Overalls. No. 905,796; Dec. 1; Sp. p. 1347; Gaz. vol. 137; p. 1204.
- Cummins, J. (See Helderman, E., assignor.)
- Cumner, M. S., New York, N. Y. Clamp. No. 900,915; Oct. 13; Sp. p. 1801; Dr. p. 364; Gaz. vol. 136; p. 1376.
- Cumnock, R. L., Anderson, S. C. Doffing means for ring-spinning machines. No. 880,014; Feb. 25; Sp. p. 4394; Dr. p. 923; Gaz. vol. 132; p. 1649.
- Cumpston, F. B., Blooming Grove, Tex. Supporting device for umbrellas. No. 903,682; Nov. 10; Sp. p. 2308; Gaz. vol. 137; p. 405.
- Cuniff, E., and J. H. Cookson, New Bedford, assignors to Draper Company, Hopedale, Mass. Loom-shuttle. No. 906,390; Dec. 8; Sp. p. 2452; Gaz. vol. 137; p. 1426.
- Cuniff, J., Wylam, Ala. Indicator. No. 877,298; Jan. 21; Sp. p. 3327; Dr. p. 721; Gaz. vol. 132; p. 608.
- Cuniff, J. V., and J. Ainsworth, Fall River, assignors to Draper Company, Hopedale, Mass. Loom-temple. No. 889,208; June 2; Sp. p. 36; Dr. p. 10; Gaz. vol. 134; p. 1065.
- Cunningham, A. A., assignor of forty-five one-hundredths to E. M. Francis, San Francisco, Cal. Device for purifying products of combustion and oxidation. No. 879,149; Feb. 18; Sp. p. 2591; Dr. p. 539; Gaz. vol. 132; p. 1332.
- Cunningham, A. S., and E. Henley, Oskaloosa, Iowa. Adjustable tool-handle. No. 884,133; Apr. 7; Sp. p. 986; Dr. p. 205; Gaz. vol. 133; p. 1343.
- Cunningham, E. A., Ambridge, Pa. Treating photographic paper. No. 895,970; Aug. 11; Sp. p. 2398; Gaz. vol. 135; p. 1310.
- Cunningham, E. W., Roselle, N. J. Pulley. No. 904,685; Nov. 24; Sp. p. 4413; Gaz. vol. 137; p. 801.
- Cunningham, F. H. (See Jones and Cunningham.)
- Cunningham, F. H., South Omaha, Nebr. Mail-cart. No. 881,178; Mar. 10; Sp. p. 1362; Dr. p. 294; Gaz. vol. 133; p. 262.
- Cunningham, F. H., Pittsburg, assignor of two-thirds to W. E. Newlin, McKeesport, and J. McNamara, Pittsburg, Pa. Tube-expander. No. 892,981; July 14; Sp. p. 1196; Dr. pp. 252-3; Gaz. vol. 135; p. 227.
- Cunningham, F. R., Medford, Mass., assignor to Kendrick & Davis, Lebanon, N. H. Staking-tool. No. 904,847; Nov. 24; Sp. p. 4772; Gaz. vol. 137; p. 856.
- Cunningham, H. E., Los Angeles, Cal. Rectal supporter. No. 878,191; Feb. 4; Sp. p. 620; Dr. p. 127; Gaz. vol. 132; p. 946.
- Cunningham, J. L., Jr., assignor of one-half to C. Driscoll, New Orleans, La. Cotton-seed-meal cooker. No. 903,129; Nov. 3; Sp. p. 1187; Gaz. vol. 137; p. 194.
- Cunningham, M. F. (See McGrath, L. A., assignor.)
- Cunningham, R. P., Holyoke, Mass., assignor to International Steam Pump Company, New York, N. Y. Screening-machine. No. 891,821; June 30; Sp. p. 5387; Dr. p. 1165; Gaz. vol. 134; p. 2040.
- Cunningham, S., Lockport, N. Y. Washer for fire-hose. No. 876,301; Jan. 7; Sp. p. 1218; Dr. p. 266; Gaz. vol. 132; p. 204.
- Cunningham, W. E. (See Ackerman, E. S., assignor.)
- Cunningham, W. J., Philadelphia, Pa. Receptacle-filling valve. No. 889,106; May 26; Sp. p. 5614; Dr. p. 1188; Gaz. vol. 134; p. 998.
- Cunningham, W. J., Philadelphia, Pa. Bottle-washing machine. No. 889,107; May 26; Sp. p. 5616; Dr. p. 1189; Gaz. vol. 134; p. 998.
- Cunningham, W. R. (See Wibel, McAloney, and Cunningham.)
- Cunningham, W. R., assignor to American Clay Machinery Company, Bucyrus, Ohio. Brick and tile cutting machine. No. 897,596; Sept. 1; Sp. p. 729; Dr. pp. 154-5; Gaz. vol. 136; p. 115.
- Cunningham, W. R., assignor to American Clay Machinery Co., Bucyrus, Ohio. Brick and tile cutting machine. No. 901,691; Oct. 20; Sp. p. 3427; Dr. pp. 695-6; Gaz. vol. 136; p. 1668.
- Cunningham, W. R., assignor to American Clay Machinery Company, Bucyrus, Ohio. Grinding-mill. No. 904,686; Nov. 24; Sp. p. 4416; Gaz. vol. 137; p. 801.
- Cunnington, H. S., New York, N. Y., assignor of one-half to J. B. Tripp, Philadelphia, Pa. Cigar-ash thimble and protector. No. 886,352; May 5; Sp. p. 25; Dr. p. 6; Gaz. vol. 134; p. 7.
- Cunnius, C. T., Long Branch, N. J. Column. No. 902,209; Oct. 27; Sp. p. 4466; Dr. p. 903; Gaz. vol. 136; p. 1863.
- Cuno, C., Oconomowoc, Wis., assignor to Connecticut Auto Engineering Corporation, Meriden, Conn. Electric-circuit controller for internal-combustion engines. No. 902,522; Oct. 27; Sp. p. 5160; Dr. p. 1045; Gaz. vol. 136; p. 1969.
- Cuno, C., assignor to Connecticut Auto Engineering Corporation, Meriden, Conn. Binding-post. No. 903,130; Nov. 3; Sp. p. 1189; Gaz. vol. 137; p. 194.
- Cuntz, H. F., assignor to A. Standt and J. A. Benisch, New York, N. Y. Door. No. 889,910; June 9; Sp. p. 1418; Dr. p. 321; Gaz. vol. 134; p. 1314.
- Cupp, P. B., and K. N. Everett, Van Wert, Ohio. Churn. No. 897,065; Aug. 25; Sp. p. 4634; Dr. p. 986; Gaz. vol. 135; p. 1713.
- Curly, W., and E. Wheelock, Hot Springs, Ark. Ice-tank. No. 901,692; Oct. 20; Sp. p. 3434; Dr. p. 696; Gaz. vol. 136; p. 1668.
- Curlett, W., San Francisco, Cal. Lock. No. 907,318; Dec. 22; Sp. p. 4280; Gaz. vol. 137; p. 1788.
- Curley, T. F., New York, N. Y. Safety-razor. No. 906,203; Dec. 8; Sp. p. 2135; Gaz. vol. 137; p. 1366.
- Curnow, H. C., Columbia, Pa. Combined jar cap and opener. No. 905,664; Dec. 1; Sp. p. 1094; Gaz. vol. 137; p. 1160.
- Curns, F. B., Clinton, Iowa. Safety-stirrups. No. 895,971; Aug. 11; Sp. p. 2399; Dr. p. 511; Gaz. vol. 135; p. 1310.
- Curran, E. J. (See Lewis, L. L., assignor.)
- Curran, E. J., Alton, Ill. Ladder attachment. No. 898,373; Sept. 15; Sp. p. 3423; Dr. p. 735; Gaz. vol. 136; p. 623.
- Curran, M., Baltimore, Md. Curtain-fixture. No. 880,864; Mar. 3; Sp. p. 782; Dr. p. 166; Gaz. vol. 133; p. 131.
- Curran, M. T., St. Louis, Mo. Grass-catcher for lawn-mowers. No. 877,299; Jan. 21; Sp. p. 3328; Dr. p. 721; Gaz. vol. 132; p. 608.
- Currell, J. M. (See Wieser, C. B. and F. E., assignors.)
- Currie, R. O. (See Durand, L., assignor.)
- Currie, S. C. C., Los Angeles, Cal. Treating ores. No. 881,101; Mar. 3; Sp. p. 1213; Dr. p. 261; Gaz. vol. 133; p. 206.

Alphabetical list of patentees—Continued.

- Currier, E. E., Chicago, Ill., assignor to United Shoe Machinery Company, Paterson, N. J. Feed-point or awl for shoe-sewing machines. No. 904,604; Nov. 24; Sp. p. 4246; Gaz. vol. 137; p. 773.
- Currier, H. D., Chicago, Ill. Telephony. No. 907,470; Dec. 22; Sp. p. 4595; Gaz. vol. 137; p. 1839.
- Currier, L., Underwood, N. D. Thermal electric alarm. No. 889,765; June 2; Sp. p. 1123; Dr. p. 260; Gaz. vol. 134; p. 1240.
- Curry, C. D., and A. W. Linn, Memphis, Tenn. Machine for assembling newspaper parts. No. 881,305; Mar. 10; Sp. p. 1631; Dr. pp. 348-9; Gaz. vol. 133; p. 304.
- Curry, F. A., Arlington, Mass. Veil-pin. No. 892,227; June 30; Sp. p. 6169; Dr. p. 1329; Gaz. vol. 134; p. 2172.
- Curry, J., Springfield, Ill. Heel-lift. No. 907,471; Dec. 22; Sp. p. 4598; Gaz. vol. 137; p. 1840.
- Curry, J. A., Key West, Fla. Lock. No. 897,597; Sept. 1; Sp. p. 734; Dr. p. 155; Gaz. vol. 136; p. 116.
- Curtain Supply Company. (See Aumann, F. P., assignor.)
- Curtain Supply Company. (See Davis, G. H., assignor.)
- Curtain Supply Company. (See Hopkins, C. L., assignor.)
- Curtain Supply Company. (See Hotelling, I. L., assignor.)
- Curtain Supply Company. (See Houghtaling, P. A., assignor.)
- Curtain Supply Company. (See Keeler, H. E., assignor.)
- Curtain Supply Company. (See Whitney, D., assignor.)
- Curtice, W. H., Louisville, Ky., and V. O. Rosser, Dallas, Tex. Kitchen-cabinet. No. 889,766; June 2; Sp. p. 1124; Dr. p. 261; Gaz. vol. 134; p. 1240.
- Curtin, F. (See Banker and Curtin.)
- Curtis, A. B. (See Scott and Curtis.)
- Curtis, B. S., Dexter, Me. Plow-holder. No. 902,380; Oct. 27; Sp. p. 4835; Dr. p. 977; Gaz. vol. 136; p. 1919.
- Curtis, C. G., New York, N. Y., assignor, by mesne assignments, to General Electric Company. Elastic-fluid turbine. No. 879,748; Feb. 18; Sp. p. 3819; Dr. pp. 800-1; Gaz. vol. 132; p. 1528.
- Curtis Dry Placer Machine Company. (See Curtis, H. P., assignor.)
- Curtis, E. A., Decatur, Ill. Car-truck. No. 898,440; Sept. 15; Sp. p. 2428; Dr. pp. 519-20; Gaz. vol. 136; p. 451.
- Curtis, E. F., Olean, N. Y. Flexible shaft. No. 906,113; Dec. 8; Sp. p. 1970; Gaz. vol. 137; p. 1336.
- Curtis, F. O., Buffalo, N. Y. Screw-making machine. No. 905,991; Dec. 8; Sp. p. 1735; Gaz. vol. 137; p. 1297.
- Curtis, G. L., Chicago, Ill. Hay-stacker. No. 888,003; May 19; Sp. p. 3334; Dr. p. 711; Gaz. vol. 134; p. 608.
- Curtis, G. W., New Britain, Conn. Shelf. No. 883,001; Mar. 24; Sp. p. 4994; Dr. p. 1062; Gaz. vol. 133; p. 916.
- Curtis, H. P., assignor to Curtis Dry Placer Machine Company, Denver, Colo. Dry concentrator. No. 891,409; June 23; Sp. p. 4514; Dr. p. 982; Gaz. vol. 134; p. 1871.
- Curtis, H. W., Chicago, Ill. Fumigator. No. 907,319; Dec. 22; Sp. p. 4282; Gaz. vol. 137; p. 1789.
- Curtis, J. T., Bement, Ill. Toy. No. 880,633; Mar. 3; Sp. p. 294; Dr. p. 65; Gaz. vol. 133; p. 51.
- Curtis, J. T., Bement, Ill. Transmitter. No. 897,716; Sept. 1; Sp. p. 965; Dr. p. 206; Gaz. vol. 136; p. 155.
- Curtis, L. E. (See Benson, A., assignor.)
- Curtis, L. E. (See Steele, L. C., assignor.)
- Curtis, L. E., Chicago, Ill., assignor to B. Jones, trustee, St. Louis, Mo. Apparatus for hardening metal. No. 878,279; Feb. 4; Sp. p. 790; Dr. p. 158; Gaz. vol. 132; p. 976.
- Curtis, L. E., Chicago, Ill., assignor to B. Jones, trustee, St. Louis, Mo. Manufacturing expanded metal. No. 897,879; Sept. 8; Sp. p. 1302; Dr. p. 279; Gaz. vol. 136; p. 238.
- Curtis, L. L., Geary, Okla. Wheel attachment. No. 903,845; Nov. 17; Sp. p. 2641; Gaz. vol. 137; p. 490.
- Curtis Publishing Company. (See Hergesheimer, J., assignor.)
- Curtis, S. P., Boston, Mass. Caster-wheel. No. 908,396; Dec. 29; Sp. p. 6562; Gaz. vol. 137; p. 2177.
- Curtis, T. H., Louisville, Ky. Car-truck. No. 882,236; Mar. 17; Sp. p. 3501; Dr. p. 743; Gaz. vol. 133; p. 631.
- Curtis, T. H., Louisville, Ky. Car-truck. No. 883,863; Apr. 7; Sp. p. 393; Dr. p. 76; Gaz. vol. 133; p. 1253.
- Curtis, W. L., Worcester, Mass. Roller or wheel. No. 884,720; Apr. 14; Sp. p. 2162; Dr. p. 459; Gaz. vol. 133; p. 1564.
- Curtiss, O. L. (See Draper and Curtiss.)
- Curtright, H. P., Holliday, Mo. Riding attachment for plows, harrows, and the like. No. 879,037; Feb. 11; Sp. p. 2346; Dr. p. 491; Gaz. vol. 132; p. 1255.
- Curvin, G. W., Viva, Ky. Pump. No. 883,864; Apr. 7; Sp. p. 394; Dr. pp. 76-7; Gaz. vol. 133; p. 1253.
- Curwen, S. M. (See Smith and Curwen.)
- Curwen, S. M., Haverford, assignor to J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 901,786; Oct. 20; Sp. p. 3623; Dr. p. 733; Gaz. vol. 136; p. 1698.
- Curwen, S. M., Haverford, assignor to J. G. Brill Company, Philadelphia, Pa. Corner structure for cars. No. 902,943; Nov. 3; Sp. p. 828; Gaz. vol. 137; p. 137.
- Curwen, S. M., Haverford, and W. M. Smith, Moores, assignors to J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 902,381; Oct. 27; Sp. p. 4836; Dr. p. 977; Gaz. vol. 136; p. 1920.
- Curwen, S. M., Haverford, and W. M. Smith, Moores, assignors to J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 905,665; Dec. 1; Sp. p. 1095; Gaz. vol. 137; p. 1160.
- Cusac, G. L., Findlay, Ohio. Pumping apparatus for oil-wells. No. 888,316; May 19; Sp. p. 3961; Dr. p. 834; Gaz. vol. 134; p. 707.
- Cushing, J. S., Norwood, Mass. Wheel-tire. No. 897,880; Sept. 8; Sp. p. 1303; Dr. p. 279; Gaz. vol. 136; p. 238.
- Cushing, W. F., Bismarck, N. D. Magazine-pencil. No. 878,771; Feb. 11; Sp. p. 1861; Dr. p. 384; Gaz. vol. 132; p. 1772.
- Cushman, A. L., Concord, N. H. Field-magnet for dynamo-electric machines. No. 893,711; July 21; Sp. p. 2694; Dr. pp. 565-6; Gaz. vol. 135; p. 495.
- Cushman, A. L., Concord, N. H. Field-magnet for dynamo-electric machines. No. 893,835; July 21; Sp. p. 3053; Dr. p. 623; Gaz. vol. 135; p. 538.
- Cushman & Denison Manufacturing Company. (See Hamburg, H. P., assignor.)
- Cushman, J. W., New York, N. Y. Oil-can. No. 885,840; Apr. 28; Sp. p. 4471; Dr. p. 939; Gaz. vol. 133; p. 1987.
- Cushwa, C. B., Youngstown, Ohio. Corner-bar. No. 881,463; Mar. 10; Sp. p. 1936; Dr. p. 421; Gaz. vol. 133; p. 353.
- Cushwa, C. B., Youngstown, Ohio. Rolling sheet metal. No. 904,605; Nov. 24; Sp. p. 4247; Gaz. vol. 137; p. 774.
- Cusick, J. B., Wellsburg, W. Va., and W. I. Scott, Mingo Junction, Ohio. Bag-holding device. No. 884,798; Apr. 14; Sp. p. 2329; Dr. p. 489; Gaz. vol. 133; p. 1590.
- Custer, A., deceased, Monroe, Iowa; J. Custer, administrator. Ore-separator. No. 877,411; Jan. 21; Sp. p. 3542; Dr. p. 766; Gaz. vol. 132; p. 644.
- Custer, D. W., New York, N. Y. Garment-hanger. No. 886,116; Apr. 28; Sp. p. 5042; Dr. p. 1059; Gaz. vol. 133; p. 2078.
- Custer, D. W., Brooklyn, assignor to Custer Printing Press Company, New York, N. Y. Ruling mechanism. No. 907,684; Dec. 22; Sp. p. 5073; Gaz. vol. 137; p. 1909.
- Custer, E. A., Philadelphia, Pa. Apparatus for casting metal pipes. No. 876,946; Jan. 21; Sp. p. 2589; Dr. p. 564; Gaz. vol. 132; p. 489.
- Custer, E. A., Philadelphia, Pa. Mold for casting metal pipes. No. 887,070; May 12; Sp. p. 1465; Dr. p. 311; Gaz. vol. 134; p. 269.
- Custer, E. A., Philadelphia, Pa. Means for automatically controlling the opening and closing of two-part casting-molds. No. 898,190; Sept. 8; Sp. p. 1948; Dr. p. 416; Gaz. vol. 136; p. 338.
- Custer, E. A., Philadelphia, Pa. Mold-carrying turn-table. No. 898,191; Sept. 8; Sp. p. 1949; Dr. p. 416; Gaz. vol. 136; p. 338.
- Custer, E. A., Philadelphia, Pa. Actuating mechanism for turn-table pipe-casting apparatus. No. 898,441; Sept. 15; Sp. p. 2429; Dr. p. 520; Gaz. vol. 136; p. 451.
- Custer, E. A., Philadelphia, Pa. Metal-pouring mechanism for pipe-casting apparatus. No. 898,631; Sept. 15; Sp. p. 2807; Dr. p. 600; Gaz. vol. 136; p. 513.
- Custer, E. A., Philadelphia, Pa. Casting soil, water, and gas pipe direct from the blast-furnace in permanent molds. No. 904,759; Nov. 24; Sp. p. 4572; Gaz. vol. 137; p. 826.
- Custer, E. A., Philadelphia, Pa. Structure-lifting device for casting-molds. No. 905,851; Dec. 8; Sp. p. 1461; Gaz. vol. 137; p. 1252.
- Custer, E. A., Philadelphia, Pa. Casting pipes. No. 906,204; Dec. 8; Sp. p. 2137; Gaz. vol. 137; p. 1366.
- Custer, J., administrator. (See Custer, A.)
- Custer, J. S. (See Turner and Custer.)
- Custer, L. R., Munhall, Pa. Metallic rail-tie. No. 882,298; Mar. 17; Sp. p. 3621; Dr. p. 768; Gaz. vol. 133; p. 653.
- Custer Printing Press Company. (See Custer, D. W., assignor.)
- Cutler, Z. B., Bradford, Pa. Wrench. No. 892,408; July 7; Sp. p. 35; Dr. p. 10; Gaz. vol. 135; p. 9.
- Cuthbert, J., Chicago, Ill. Forming machinery. No. 905,852; Dec. 8; Sp. p. 1463; Gaz. vol. 137; p. 1253.
- Cutler, C. B., Stanhope, N. J., assignor to H. H. Richardson, Brooklyn, N. Y. Machine for cleaning printers' rollers and the like. No. 876,336; Jan. 14; Sp. p. 1293; Dr. p. 280; Gaz. vol. 132; p. 245.
- Cutler, H. H. (See Barnum and Cutler.)
- Cutler, H. H., Milwaukee, Wis., assignor to Cutler-Hammer Mfg. Company. Variable-speed transmission. No. 894,878; Aug. 4; Sp. p. 158; Dr. pp. 35-6; Gaz. vol. 135; p. 926.

Alphabetical list of patentees—Continued.

- Cutler, H. H., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. System for controlling one or more electric motors. No. 903,177; Nov. 10; Sp. p. 1274; Gaz. vol. 137; p. 241.
- Cutler, H. H., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. System for controlling one or more electric motors. No. 903,178; Nov. 10; Sp. p. 1285; Gaz. vol. 137; p. 241.
- Cutler-Hammer Manufacturing Company. (See Date, W. E., assignor.)
- Cutler-Hammer Manufacturing Company. (See Henderson, C. T., assignor.)
- Cutler-Hammer Manufacturing Company. (See Starrett, H. F., assignor.)
- Cutler-Hammer Manufacturing Company. (See Wiegand, H. J., assignor.)
- Cutler-Hammer Mfg. Co. (See Barnum, T. E., assignor.)
- Cutler-Hammer Mfg. Co. (See Barnum and Cutler, assignors.)
- Cutler-Hammer Mfg. Co. (See Horton, A. J., assignor.)
- Cutler-Hammer Mfg. Co. (See Miller, C. H., assignor.)
- Cutler-Hammer Mfg. Company. (See Cutler, H. H., assignor.)
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Mail-chute. No. 881,111; Mar. 10; Sp. p. 1232; Dr. p. 265; Gaz. vol. 133; p. 239.
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Locking device for mail-chutes. No. 881,112; Mar. 10; Sp. p. 1235; Dr. p. 266; Gaz. vol. 133; p. 239.
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Locking device for mail-chutes. No. 881,179; Mar. 10; Sp. p. 1363; Dr. p. 294; Gaz. vol. 133; p. 262.
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Mail-chute. No. 881,180; Mar. 10; Sp. p. 1366; Dr. pp. 295-6; Gaz. vol. 133; p. 262.
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Locking device for the removable sections of mail-chutes. No. 894,191; July 28; Sp. p. 3788; Dr. pp. 784-5; Gaz. vol. 135; p. 674.
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Securing device for mail-chutes. No. 894,728; July 28; Sp. p. 4871; Dr. p. 1014; Gaz. vol. 135; p. 850.
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Mail-chute. No. 899,156; Sept. 22; Sp. p. 3781; Dr. pp. 809-10; Gaz. vol. 136; p. 710.
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Mail-chute. No. 899,157; Sept. 22; Sp. p. 3783; Dr. p. 810; Gaz. vol. 136; p. 711.
- Cutler, J. W., assignor to Cutler Manufacturing Company, Rochester, N. Y. Mail-chute. No. 899,158; Sept. 22; Sp. p. 3787; Dr. p. 811; Gaz. vol. 136; p. 711.
- Cutler Manufacturing Company. (See Cutler, J. W., assignor.)
- Cutshaw, M. B. (See Olds, W. J., assignor.)
- Cutter, G., South Bend, Ind. Electric switch. No. 881,306; Mar. 10; Sp. p. 1634; Dr. p. 349; Gaz. vol. 133; p. 304.
- Cutter, G. A., Boston, Mass., assignor to Vacuum Process Company. Drying apparatus. No. 889,209; June 2; Sp. p. 37; Dr. p. 10; Gaz. vol. 134; p. 1064.
- Cutter, F., Providence, R. I. Making ingots. No. 899,827; Sept. 29; Sp. p. 5140; Dr. p. 1100; Gaz. vol. 136; p. 964.
- Cutter, G., South Bend, Ind. Hanger for electric lamps. No. 897,457; Sept. 1; Sp. p. 448; Dr. p. 96; Gaz. vol. 136; p. 71.
- Cutter, G., South Bend, Ind. Hood and reflector. No. 900,266; Oct. 6; Sp. p. 420; Dr. p. 85; Gaz. vol. 136; p. 1137.
- Cutter, G., Winnetka, assignor to George Cutter Company, Chicago, Ill. Supporting mechanism. No. 900,265; Oct. 6; Sp. p. 415; Dr. pp. 84-5; Gaz. vol. 136; p. 1137.
- Cutter, G. A., Taunton, Mass. Wrench. No. 905,992; Dec. 8; Sp. p. 1738; Gaz. vol. 137; p. 1298.
- Cutter, L., Bladen, Nebr. Corn-husker. No. 879,150; Feb. 18; Sp. p. 2592; Dr. pp. 539-40; Gaz. vol. 132; p. 1333.
- Cutter, S. M., Ashland, Mass. assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Nailing-machine. No. 886,313; Apr. 28; Sp. p. 5424; Dr. p. 1137; Gaz. vol. 133; p. 2144.
- Cutting, E. M., *et al.* (See Marsellis, F., assignor.)
- Cutting, M. R., Seattle, Wash. Surgical appliance. No. 904,760; Nov. 24; Sp. p. 4575; Gaz. vol. 137; p. 826.
- Cutting, S. B., assignor to Salt's Textile Manufacturing Company, Bridgeport, Conn. Pile-cutter stop-motion for pile-fabric looms. No. 907,131; Dec. 22; Sp. p. 3898; Gaz. vol. 137; p. 1724.
- Cyclone Drill Company. (See Cope, B. G., assignor.)
- Cyclone Drill Company. (See Smith, C., assignor.)
- Cyphers Incubator Company. (See Davis and Baer, assignors.)
- Cyr, W., Notre Dame de Grace, Quebec, assignor of two-thirds to A. Dumont and R. Desforges, Mount Royal Vale, Canada. Smoke purifying and consuming apparatus. No. 896,805; Aug. 25; Sp. p. 4059; Dr. p. 873; Gaz. vol. 135; p. 1626.
- Czapski, S., assignor to Firm of C. Zeiss, Jena, Germany. Ordnance-bore sighting-telescope. No. 893,836; July 21; Sp. p. 3054; Dr. p. 624; Gaz. vol. 135; p. 539.
- Czarnkowsky, E., Brooklyn, N. Y. Adjustable waist and skirt holder. No. 899,828; Sept. 29; Sp. p. 5141; Dr. p. 1100; Gaz. vol. 136; p. 965.
- Czigler, P., Székes-Fejérvár, Austria-Hungary. Kiln for burning brick, lime, and similar material. No. 877,300; Jan. 21; Sp. p. 3329; Dr. p. 722; Gaz. vol. 132; p. 608.
- D. H. Burrell & Company. (See Lane, F. A., assignor.)
- D. H. Burrell & Company. (See Morgan, F. E., assignor.)
- D. M. Steward Manufacturing Company. (See Steward and Lowry, assignors.)
- D. T. Williams Valve Company. (See Swanberg, F. L., assignor.)
- D'Aeth, E. K. H. (See Kennon, C. W., assignor.)
- D'Alessandri, M., Lecce, Italy. Machine for making envelop-like cases for cigarettes. No. 896,693; Aug. 18; Sp. p. 3801; Dr. p. 822; Gaz. vol. 135; p. 1564.
- D'Arcy, F. P., Kalamazoo, Mich. Spring-heel. No. 903,179; Nov. 10; Sp. p. 1293; Gaz. vol. 137; p. 242.
- D'Armon, J. W., Clinton, Ky. Violin and the like. No. 878,124; Feb. 4; Sp. p. 461; Dr. p. 98; Gaz. vol. 132; p. 923.
- D'Incognito, V., Chicago, Ill. Urinary apparatus. No. 888,477; May 26; Sp. p. 4302; Dr. p. 911; Gaz. vol. 134; p. 790.
- D'Incognito, V., Chicago, Ill. Burglar-alarm. No. 894,440; July 28; Sp. p. 4324; Dr. p. 892; Gaz. vol. 135; p. 758.
- D'Incognito, V., Chicago, Ill. Urinary apparatus. No. 904,942; Nov. 24; Sp. p. 4974; Gaz. vol. 137; p. 887.
- D'Isepo, G. A., Passaic, N. J. Comb. No. 880,639; Mar. 3; Sp. p. 302; Dr. p. 67; Gaz. vol. 133; p. 53.
- D'Olier Engineering Company. (See Salzer, R., assignor.)
- D'Olier, H., Jr. (See Elkins, G. W., assignor.)
- D'Olier, H., Jr., Philadelphia, assignor of one-half to G. W. Elkins, Elkins Park, Pa. Electric heater. No. 877,177; Jan. 21; Sp. p. 3087; Dr. pp. 667-8; Gaz. vol. 132; p. 568.
- D'Olier, W. L. (See Ehret, C. D., assignor.)
- D'Olier, W. L., Philadelphia, Pa. Centrifugal machine. No. 879,130; Feb. 11; Sp. p. 2548; Dr. p. 530; Gaz. vol. 132; p. 1284.
- D'Or, F., St.-Josse-ten-Noode, Brussels, Belgium. Turning mechanism for bridges. No. 895,673; Aug. 11; Sp. p. 1794; Dr. p. 381; Gaz. vol. 135; p. 1215.
- D'Oronzio, R., New York, N. Y. Fender. No. 881,849; Mar. 10; Sp. p. 2691; Dr. pp. 575-6; Gaz. vol. 133; p. 479.
- Dabney, F. A., and W. Smith, assignors of four-tenths to J. M. Dulaney, Lynchburg, Va. Post-card cabinet. No. 905,993; Dec. 8; Sp. p. 1740; Gaz. vol. 137; p. 1298.
- Dacey, E. J., Prescottville, Pa. Trolley for electric cars and the like. No. 891,410; June 23; Sp. p. 4518; Dr. p. 982; Gaz. vol. 134; p. 1871.
- Dacosta, C. and P., Cienfuegos, Cuba. Dispensing and measuring apparatus. No. 895,346; Aug. 4; Sp. p. 1143; Dr. p. 240; Gaz. vol. 135; p. 1085.
- Dacosta, P. (See Dacosta, C. and P.)
- Daffin, A. J. E., Dieppe, France, assignor to A. L. Melvin, Chicago, Ill. Apparatus for inflating automobile-tires. No. 882,099; Mar. 17; Sp. p. 3240; Dr. p. 689; Gaz. vol. 133; p. 589.
- Daffinger, C. A., Allegheny, assignor of one-third to J. H. Faulkner, Pittsburg, Pa. Gage-cock. No. 894,729; July 28; Sp. p. 4574; Dr. p. 1014; Gaz. vol. 135; p. 851.
- Dague, T. J., Doylestown, Ohio. Folding umbrella. No. 897,195; Aug. 25; Sp. p. 4864; Dr. p. 1035; Gaz. vol. 135; p. 1753.
- Dahl, B., Minneapolis, Minn. Rotary engine. No. 894,485; July 28; Sp. p. 4410; Dr. p. 911; Gaz. vol. 135; p. 772.
- Dahl, B., Minneapolis, Minn. Litter-carrier. No. 902,860; Nov. 3; Sp. p. 665; Gaz. vol. 137; p. 111.
- Dahl, C., *et al.* (See Edman, J., assignor.)
- Dahl, C., Brooklyn, N. Y. Incubator. No. 877,833; Jan. 28; Sp. p. 4366; Dr. p. 949; Gaz. vol. 132; p. 800.
- Dahl, C. G. (See Valentine and Dahl.)
- Dahl, E. G., *et al.* (See Edman, J., assignor.)
- Dahl, M., *et al.* (See Brisbois, O., assignor.)
- Dahl, M., *et al.* (See Odell, R., assignor.)
- Dahl, N., Trondhjem, Norway. Box-fastener. No. 900,084; Oct. 6; Sp. p. 24; Dr. p. 4; Gaz. vol. 136; p. 1078.

Alphabetical list of patentees—Continued.

- Dahlberg, S., Springfield, Mass. Air-compressing pump. No. 904,940; Nov. 24; Sp. p. 4971; Gaz. vol. 137; p. 886.
- Dahlinger, P. J., Paterson, N. J. Sleeve-protector. No. 889,210; June 2; Sp. p. 41; Dr. p. 11; Gaz. vol. 134; p. 1064.
- Dahlmann, F., San Francisco, Cal. Foot support and protector. No. 892,652; July 7; Sp. p. 504; Dr. p. 106; Gaz. vol. 135; p. 90.
- Dahlund, F., Esmond, N. D. Feed-cup for seed-drills. No. 888,963; May 26; Sp. p. 5337; Dr. p. 1133; Gaz. vol. 134; p. 952.
- Dahms, H., Berlin, Germany. Stocking-suspender. No. 901,155; Oct. 13; Sp. p. 2254; Dr. p. 459; Gaz. vol. 136; p. 1454.
- Dahn, H., Edgewater, N. J., and F. Becker New York, N. Y. Advertising apparatus. No. 883,865; Apr. 7; Sp. p. 396; Dr. p. 77; Gaz. vol. 133; p. 1254.
- Dailey, A. A., Vinal Haven, Me. Hoop-shaving machine. No. 881,907; Mar. 17; Sp. p. 2841; Dr. p. 607; Gaz. vol. 133; p. 526.
- Dailey, E. B., Omaha, Nebr. Signal apparatus. No. 904,512; Nov. 24; Sp. p. 4074; Gaz. vol. 137; p. 743.
- Dailey, F. A., St. Paul, and B. Long, Minneapolis, Minn. Stuffing-box. No. 884,318; Apr. 7; Sp. p. 1302; Dr. p. 276; Gaz. vol. 133; p. 1401.
- Daily, G. P. (See Lehmann, E., assignor.)
- Daimler Motorenengesellschaft, Firm of. (See Daimler, P., assignor.)
- Daimler Motorenengesellschaft. (See Maybach, W., assignor.)
- Daimler Motorenengesellschaft. (See Spranger, P., assignor.)
- Daimler, P., assignor to Firm of Daimler Motorenengesellschaft, Untertürkheim, Germany. Lubricator. No. 897,598; Sept. 1; Sp. p. 736; Dr. p. 155; Gaz. vol. 136; p. 116.
- Daimler, P., Untertürkheim, near Stuttgart, assignor to Daimler Motorenengesellschaft, Untertürkheim-Stuttgart, Germany. Friction-coupling. No. 905,994; Dec. 8; Sp. p. 1741; Gaz. vol. 137; p. 1298.
- Dain, J., Ottumwa, Iowa. Raker-bar. No. 880,634; Mar. 3; Sp. p. 295; Dr. p. 65; Gaz. vol. 133; p. 52.
- Dain, J., Ottumwa, Iowa. Side-delivery rotary rake. No. 886,681; May 5; Sp. p. 683; Dr. pp. 141-2; Gaz. vol. 134; p. 116.
- Dain, J., Ottumwa, Iowa. Hay-loader. No. 901,074; Oct. 13; Sp. p. 2111; Dr. p. 430; Gaz. vol. 136; p. 1428.
- Dain, J., Ottumwa, Iowa. Hay-loader. No. 905,151; Dec. 1; Sp. p. 51; Gaz. vol. 137; p. 992.
- Dain, J., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-stacker. No. 901,073; Oct. 13; Sp. p. 2106; Dr. pp. 429-30; Gaz. vol. 136; p. 1428.
- Dain, J., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-stacker. No. 901,156; Oct. 13; Sp. p. 2255; Dr. pp. 459-60; Gaz. vol. 136; p. 1454.
- Dain Manufacturing Company of Iowa. (See Dain, J., assignor.)
- Dairy Cream Separator Co. (See Hedderich, E. F., assignor.)
- Daisy Manufacturing Co. (See Bennett, B. B., assignor.)
- Daisy Manufacturing Company. (See Burrows, W. J., assignor.)
- Daisy Manufacturing Company. (See Hough, E. C., assignor.)
- Dake-American Steam Turbine Company. (See Dake, C. W., assignor.)
- Dake, C. W. (See Gillette and Dake.)
- Dake, C. W., assignor to Dake-American Steam Turbine Company, Grand Rapids, Mich. Elastic-fluid turbine. No. 880,365; Feb. 25; Sp. p. 5085; Dr. p. 1074; Gaz. vol. 132; p. 1764.
- Dake, C. W., assignor to Dake-American Steam Turbine Company, Grand Rapids, Mich. Governor for turbines. No. 880,366; Feb. 25; Sp. p. 5086; Dr. p. 1075; Gaz. vol. 132; p. 1764.
- Dake, C. W., assignor to Dake-American Steam Turbine Company, Grand Rapids, Mich. Elastic-fluid turbine. No. 887,380; May 12; Sp. p. 2153; Dr. pp. 450-1; Gaz. vol. 134; p. 372.
- Dake, C. W., assignor to Dake-American Steam Turbine Company, Grand Rapids, Mich. Elastic-fluid generator. No. 897,354; Sept. 1; Sp. p. 210; Dr. p. 45; Gaz. vol. 136; p. 32.
- Dake, C. W., assignor to Dake-American Steam Turbine Company, Grand Rapids, Mich. Elastic-fluid turbine. No. 903,454; Nov. 10; Sp. p. 1828; Gaz. vol. 137; p. 332.
- Dale Company. (See Gervin, C. D., assignor.)
- Dale, F. M., Wilkesburg, Pa. Hall-rack. No. 880,283; Feb. 25; Sp. p. 4947; Dr. p. 1045; Gaz. vol. 132; p. 1737.
- Dale, J. H. (See Bullock, T. H., Jr., assignor.)
- Dale, J. H. (See Gervin, C. D., assignor.)
- Dale, J. H. (See Livingstone, W., assignor.)
- Dale, J. H., New York, N. Y. Wall-switch. No. 877,301; Jan. 21; Sp. p. 3331; Dr. p. 722; Gaz. vol. 132; p. 608.
- Dale, J. H., New York, N. Y. Shade-holder. No. 904,761; Nov. 24; Sp. p. 4575; Gaz. vol. 137; p. 827.
- Dalén, G., Stockholm, Sweden. Machinery for propelling vessels. No. 888,300; May 19; Sp. p. 4106; Dr. p. 866; Gaz. vol. 134; p. 731.
- Dalén, G., assignor to Aktiebolaget Gas Accumulator, Stockholm, Sweden. Filling mass for receivers for storing explosive gases. No. 904,183; Nov. 17; Sp. p. 3372; Gaz. vol. 137; p. 607.
- Daley, D. F., Menominee, Mich. Wooden structure. No. 891,993; June 30; Sp. p. 5710; Dr. p. 1229; Gaz. vol. 134; p. 2093.
- Daley, D. W., Pittsburg, Pa. Combined hot-water heater and still. No. 902,277; Oct. 27; Sp. p. 4612; Dr. p. 937; Gaz. vol. 136; p. 1885.
- Daley, F. J., Chicago, Ill. Time-book. No. 898,442; Sept. 15; Sp. p. 2431; Dr. p. 521; Gaz. vol. 136; p. 452.
- Dalgron, L. M. (See Nix, J. D., assignor.)
- Dalkranian, J. K., assignor, by mesne assignments, to United States Persian Carpet Company, New York, N. Y. Forming woven pile fabrics. No. 882,454; Mar. 17; Sp. p. 3892; Dr. p. 832; Gaz. vol. 133; p. 704.
- Dalkranian, J. K., assignor, by mesne assignments, to United States Persian Carpet Company, New York, N. Y. Yarn-selecting mechanism for tufted-fabric looms. No. 882,455; Mar. 17; Sp. p. 3894; Dr. pp. 832-3; Gaz. vol. 133; p. 705.
- Dalton, G. F., Jr., Cleveland, Ohio. Blackboard composition. No. 877,554; Jan. 28; Sp. p. 3849; Gaz. vol. 132; p. 712.
- Dalton, J. A., Pawtucket, and E. D. Thompson, Central Falls, R. I.; said Dalton assignor to said Thompson. Reversible tapping-chuck. No. 885,914; Apr. 28; Sp. p. 4610; Dr. p. 966; Gaz. vol. 133; p. 2011.
- Dalton, F. J., Joliet, Ill., assignor to Rail Joint Company, New York, N. Y. Insulated-rail joint. No. 877,057; Jan. 21; Sp. p. 2830; Dr. pp. 611-12; Gaz. vol. 132; p. 528.
- Dalton, W., Schenectady, assignor to American Locomotive Company, New York, N. Y. Electric locomotive. No. 902,476; Oct. 27; Sp. p. 5050; Dr. p. 1022; Gaz. vol. 136; p. 1952.
- Dalton, W., Schenectady, assignor to American Locomotive Company, New York, N. Y. Non-chattering brake-hanger. No. 902,477; Oct. 27; Sp. p. 5051; Dr. p. 1022; Gaz. vol. 136; p. 1952.
- Dalton, W., Schenectady, assignor to American Locomotive Company, New York, N. Y. Flexible driving mechanism. No. 902,523; Oct. 27; Sp. p. 5162; Dr. p. 1045; Gaz. vol. 136; p. 1969.
- Daly, C. J., Philadelphia, Pa. Combined napkin ring and holder. No. 896,627; Aug. 18; Sp. p. 3664; Dr. p. 787; Gaz. vol. 135; p. 1544.
- Daly, C. M. (See Mazza and Daly.)
- Daly, J. M., Chicago, Ill. Clutch driving device. No. 889,297; June 2; Sp. p. 206; Dr. p. 52; Gaz. vol. 134; p. 1091.
- Daly, J. M., Chicago, Ill. Ratchet clutch and brake mechanism. No. 902,805; Nov. 3; Sp. p. 522; Gaz. vol. 137; p. 91.
- Daly, K. J., San Francisco, Cal. Boat-releasing device. No. 891,598; June 23; Sp. p. 4891; Dr. p. 1054; Gaz. vol. 134; p. 1931.
- Daly, M. J., and T. S. Leake, Chicago, Ill. Sash-balance. No. 884,472; Apr. 14; Sp. p. 1625; Dr. p. 350; Gaz. vol. 133; p. 1482.
- Daly, R. B., Woonsocket, R. I. Slubber or fly-frame. No. 895,541; Aug. 11; Sp. p. 1538; Dr. p. 325; Gaz. vol. 135; p. 1172.
- Daly, W. O., Mobile, Ala. Roll-paper holder and cutter. No. 905,853; Dec. 8; Sp. p. 1469; Gaz. vol. 137; p. 1253.
- Dalzell, J. A., and C. E. Harthan, Lynn, Mass., assignors to General Electric Company. Arc-lamp. No. 900,709; Oct. 13; Sp. p. 1368; Dr. p. 279; Gaz. vol. 136; p. 1310.
- Damas, J. B., and J. Francis, Sonora, Cal. Rock-drilling machine. No. 896,518; Aug. 18; Sp. p. 3478; Dr. p. 747; Gaz. vol. 135; p. 1511.
- Damasus Brake Beam Co. (See Handges, P. T., assignor.)
- Dameris, A., assignor to C. Esser, Cologne, Germany. Device for preventing rails shifting or creeping. No. 892,505; July 7; Sp. p. 230; Dr. p. 48; Gaz. vol. 135; p. 42.
- Dameron, W. F., Springfield, Mo. Amusement device. No. 890,558; June 9; Sp. p. 2729; Dr. pp. 603-4; Gaz. vol. 134; p. 1527.
- Damon, F. M., Seattle, Wash. Wrench. No. 892,228; June 30; Sp. p. 6170; Dr. p. 1329; Gaz. vol. 134; p. 2172.
- Damon, G. L. (See Holmes and Damon.)
- Damon, G. L., Pittsburg, Pa. Mounting for heavy vault-doors. No. 901,425; Oct. 20; Sp. p. 2842; Dr. p. 581; Gaz. vol. 136; p. 1579.
- Damon, O., and W. L. Shoup, Langdon, Kans. Automatic oil-cup. No. 896,974; Aug. 25; Sp. p. 4441; Dr. p. 949; Gaz. vol. 135; p. 1622.
- Damon, R. H., Leominster, Mass. Hair-roll. No. 889,873; June 2; Sp. p. 1331; Dr. p. 304; Gaz. vol. 134; p. 1276.
- Damon, R. H., Leominster, Mass. Hair-roll. No. 904,411; Nov. 17; Sp. p. 3839; Gaz. vol. 137; p. 682.
- Damon, W. H., New York, N. Y. Burner. No. 901,788; Oct. 20; Sp. p. 3626; Dr. p. 734; Gaz. vol. 136; p. 1699.
- Dampman, D. E., Reading, Pa. Engine-house door-catch. No. 889,665; June 2; Sp. p. 918; Dr. p. 213; Gaz. vol. 134; p. 1210.
- Dan, L., Portland, Oreg. Car-fender. No. 885,325; Apr. 21; Sp. p. 3420; Dr. p. 714; Gaz. vol. 133; p. 1793.
- Dana, J. C., Concord, Mass. Artist's work rest or holder. No. 895,972; Aug. 11; Sp. p. 2399; Dr. p. 511; Gaz. vol. 135; p. 1310.
- Dana, W. H., assignor to L. Rauh Dayton Ohio. Voting-machine. No. 885,981; Apr. 28; Sp. p. 4767; Dr. pp. 1002-3; Gaz. vol. 133; p. 2034.
- Dana, W. H., assignor to L. Rauh Dayton Ohio. Voting-machine. No. 886,314; Apr. 28; Sp. p. 5427; Dr. pp. 1137-8; Gaz. vol. 133; p. 2145.

Alphabetical list of patents—Continued.

- Dando, H. C. (See Lewis and Dando.)
- Dandridge, E. P., Philadelphia, Pa. Twine-holder. No. 884,799; Apr. 14; Sp. p. 2330; Dr. p. 490; Gaz. vol. 133; p. 1591.
- Dane, S. B., Lynn, Mass. Clothes-drying machine. No. 878,777; Feb. 11; Sp. p. 1872; Dr. p. 386; Gaz. vol. 132; p. 1174.
- Danek, A., Chicago, Ill. Rug holder or stiffener. No. 901,693; Oct. 20; Sp. p. 3435; Dr. p. 697; Gaz. vol. 136; p. 1668.
- Danenhower, W., Knoxville, Tenn. Type-washing machine. No. 902,861; Nov. 3; Sp. p. 666; Gaz. vol. 137; p. 111.
- Danenhower, W., Knoxville, Tenn. Type-washing machine. No. 902,862; Nov. 3; Sp. p. 669; Gaz. vol. 137; p. 112.
- Danforth, N. W. (See Bowman, G. W., assignor.)
- Danglemyer, C. W., Dubuque Iowa. Portable milling-machine. No. 900,149; Oct. 6; Sp. p. 158; Dr. pp. 33-4; Gaz. vol. 136; p. 1099.
- Danhoff, L. (See Sieben and Danhoff.)
- Daniel, A. H. and R. P., San Antonio, Tex. Work-box for sewing-machine tables. No. 887,594; May 12; Sp. p. 2565; Dr. p. 541; Gaz. vol. 134; p. 442.
- Daniel, A. W., Owensboro, Ky. Explosive-engine. No. 898,974; Sept. 15; Sp. p. 3424; Dr. pp. 735-6; Gaz. vol. 136; p. 624.
- Daniel, C., assignor to E. Double, Los Angeles, Cal. Ratchet-swivel rope-socket. No. 897,196; Aug. 25; Sp. p. 4866; Dr. p. 1035; Gaz. vol. 135; p. 1754.
- Daniel, C. J., Shevlin, Minn. Garment-supporter. No. 889,108; May 26; Sp. p. 5619; Dr. p. 1189; Gaz. vol. 134; p. 998.
- Daniel Green Felt Shoe Company. (See Green, W. R., assignor.)
- Daniel Green Felt Shoe Company. (See Quin, J. M., assignor.)
- Daniel, H. J., Kendall, Mont. Extension stovepipe length. No. 890,128; June 9; Sp. p. 1869; Dr. p. 413; Gaz. vol. 134; p. 1388.
- Daniel, J. J., Cambria, Wis. Cement water-tank. No. 886,481; May 5; Sp. p. 277; Dr. p. 58; Gaz. vol. 134; p. 51.
- Daniel, P., New York, N. Y. Internal-combustion engine. No. 877,834; Jan. 28; Sp. p. 4367; Dr. p. 949; Gaz. vol. 132; p. 801.
- Daniel, P., New York, N. Y. Combined steering and driving axle. No. 877,835; Jan. 28; Sp. p. 4370; Dr. p. 950; Gaz. vol. 132; p. 801.
- Daniel, R. P. (See Daniel, A. H. and R. P.)
- Daniels, C., Atchison, Kans. Assignor to Metal Sectional Furniture Company, Portland, Me. Binder-lock. No. 892,029; June 30; Sp. p. 5779; Dr. p. 1243; Gaz. vol. 134; p. 2106.
- Daniels, F. H., Worcester, Mass. Process of and apparatus for cooling wire rods. No. 895,973; Aug. 11; Sp. p. 2401; Dr. p. 511; Gaz. vol. 135; p. 1311.
- Daniels, F. H., and C. R. Sturdevant, Worcester, Mass., assignors to American Steel & Wire Company, Chicago, Ill. Rail-bond. No. 900,488; Oct. 6; Sp. p. 879; Dr. p. 180; Gaz. vol. 136; p. 1209.
- Daniels, F. H., A. F. Backlin, and I. Eklund, Worcester, Mass., assignors to H. C. Frick Coke Company, Pittsburg, Pa. Coke-drawing apparatus. No. 893,453; July 14; Sp. p. 2156; Dr. pp. 451-4; Gaz. vol. 135; p. 381.
- Daniels, J. T. (See Van Winkle and Daniels.)
- Daniels, J. T., Newark, N. J., assignor to Hanson & Van Winkle Company. Electroplating apparatus. No. 888,067; May 19; Sp. p. 3496; Dr. p. 732; Gaz. vol. 134; p. 627.
- Daniels, J. T., Newark, N. J., assignor to Hanson & Van Winkle Company. Electroplating apparatus. No. 888,068; May 19; Sp. p. 3498; Dr. pp. 732-3; Gaz. vol. 134; p. 623.
- Daniels, J. T., assignor of one-half to Hanson & Van Winkle Company, Newark, N. J. Electroplating apparatus. No. 901,280; Oct. 13; Sp. p. 2494; Dr. pp. 511-12; Gaz. vol. 135; p. 1492.
- Daniels, L., Placerville, Cal. Rotary pump. No. 893,454; July 14; Sp. p. 2162; Dr. pp. 454-5; Gaz. vol. 135; p. 382.
- Daniels, L. E., Fort Worth, Tex. Cooking utensil. No. 896,898; Aug. 25; Sp. p. 4249; Dr. p. 909; Gaz. vol. 135; p. 1656.
- Daniels, R. F., assignor of one-tenth to G. Rettig, Jr., Chicago, Ill. Saw-sharpening machine. No. 889,180; May 26; Sp. p. 5769; Dr. pp. 1221-3; Gaz. vol. 134; p. 1022.
- Daniels, T. M., Valdez, Alaska. Waterproof fuse-cap. No. 900,670; Oct. 6; Sp. p. 1283; Dr. p. 262; Gaz. vol. 136; p. 1270.
- Daniels, W. H., Chicago, Ill. Building block or brick. No. 899,958; Sept. 29; Sp. p. 5419; Dr. p. 1155; Gaz. vol. 136; p. 1006.
- Daniels, W. R., New York, N. Y. Telephone instrument. No. 897,718; Sept. 1; Sp. p. 968; Dr. p. 207; Gaz. vol. 136; p. 155.
- Danielson, E., Stöpsjöen, Fogdhyttan, Sweden, assignor to General Electric Company. Alternating-current motor. No. 905,995; Dec. 8; Sp. p. 1742; Gaz. vol. 137; p. 1299.
- Danielson, G. F., Youngstown, Ohio. Whiffletree. No. 882,748; Mar. 24; Sp. p. 4490; Dr. p. 956; Gaz. vol. 133; p. 834.
- Danischewski, J., St. Petersburg, Russia. Device for automatic kindling of incandescent lamps. No. 882,815; Mar. 24; Sp. p. 4616; Dr. p. 984; Gaz. vol. 133; p. 853.
- Danischewski, J., St. Petersburg, Russia. Pressure-regulator. No. 891,599; June 23; Sp. p. 4892; Dr. p. 1054; Gaz. 134; p. 1931.
- Dankelmann, E., assignor to Selas Gesellschaft mit beschränkter Haftung, Berlin, Germany. Apparatus for mixing gas and air. No. 896,519; Aug. 18; Sp. p. 3479; Dr. p. 747; Gaz. vol. 135; p. 1511.
- Dann, A. C. F., Southsea, England. Hydraulic clutch. No. 893,455; July 14; Sp. p. 2164; Dr. p. 455; Gaz. vol. 135; p. 382.
- Danne, E., New York, N. Y. Pen and pencil holder. No. 893,608; July 21; Sp. p. 2505; Dr. p. 521; Gaz. vol. 135; p. 461.
- Dannecker, F. (See Carlson and Dannecker.)
- Dannenberg, H., Leipzig-Sellerhausen, assignor to Firm of Gebrüder Klug, Dehnitz, near Wurzen, Germany. Preventing the rising of leads in press-forms. No. 905,293; Dec. 1; Sp. p. 321; Gaz. vol. 137; p. 1039.
- Dannenberg, M. E., Berlin, Germany. Lathe for billiard-cues or the like. No. 883,699; Apr. 7; Sp. p. 50; Dr. p. 7; Gaz. vol. 133; p. 1200.
- Danner, F., Madison, Conn. Comb-cleaner. No. 893,984; July 21; Sp. p. 3358; Dr. p. 687; Gaz. vol. 135; p. 586.
- Danner, W., New Orleans, La., assignor of one-half to J. D. Lacey, Chicago, Ill. Apparatus for distilling wood. No. 883,091; Mar. 24; Sp. p. 5155; Dr. pp. 1101-2; Gaz. vol. 133; p. 945.
- Danquard, T., assignor to Autopiano Co., New York, N. Y. Tube-joint for metal tracker-bars and forming the same. No. 880,508; Mar. 3; Sp. p. 32; Dr. p. 8; Gaz. vol. 133; p. 9.
- Danquard, T., assignor to Autopiano Company, New York, N. Y. Folding pedal. No. 884,643; Apr. 14; Sp. p. 2005; Dr. p. 429; Gaz. vol. 133; p. 1538.
- Danquard, T., New York, N. Y., assignor to Autopiano Company. Divided action for pianos. No. 887,773; May 19; Sp. p. 2929; Dr. pp. 616-17; Gaz. vol. 134; p. 531.
- Danquard, T., assignor to Autopiano Company, New York, N. Y. Modulating attachment for automatic pianos. No. 889,444; June 2; Sp. p. 506; Dr. p. 120; Gaz. vol. 134; p. 1139.
- Danquard, T., New York, N. Y., assignor to Autopiano Company. Pneumatic action for musical instruments. No. 889,445; June 2; Sp. p. 509; Dr. pp. 120-1; Gaz. vol. 134; p. 1140.
- Danquard, T., assignor to Autopiano Company, New York, N. Y. Tracker-bar mechanism. No. 902,478; Oct. 27; Sp. p. 5052; Dr. p. 1022; Gaz. vol. 136; p. 1952.
- Danquard, T., assignor to Autopiano Co., New York, N. Y. Tracker mechanism. No. 902,479; Oct. 27; Sp. p. 5055; Dr. p. 1023; Gaz. vol. 136; p. 1953.
- Danquard, T., assignor to Autopiano Co., New York, N. Y. Tracker-bar-operating mechanism. No. 902,480; Oct. 27; Sp. p. 5057; Dr. p. 1023; Gaz. vol. 136; p. 1953.
- Danquard, T., assignor to Autopiano Company, New York, N. Y. Double-scale pneumatic musical instrument. No. 902,481; Oct. 27; Sp. p. 5058; Dr. p. 1023; Gaz. vol. 136; p. 1953.
- Danquard, T., assignor to Autopiano Co., New York, N. Y. Double tracker mechanism. No. 902,482; Oct. 27; Sp. p. 5060; Dr. p. 1023; Gaz. vol. 136; p. 1954.
- Dansby, T. M., Pine Bluff, Ark. Combined cover and follower for barrels, kegs, and the like. No. 886,040; Apr. 28; Sp. p. 4907; Dr. p. 1031; Gaz. vol. 133; p. 2053.
- Dansereau, A., Southbridge, Mass. Machine for manufacturing tags. No. 894,192; July 28; Sp. p. 3792; Dr. pp. 785-7; Gaz. vol. 135; p. 675.
- Danzinger, R. H., Joliet, Ill. Automatic ratchet-coupling. No. 907,574; Dec. 22; Sp. p. 4777; Gaz. vol. 137; p. 1872.
- Dapping, W. O., Auburn, N. Y. Base-ball-game apparatus. No. 890,890; June 16; Sp. p. 3442; Dr. pp. 754-5; Gaz. vol. 134; p. 1668.
- Darcy & Speck. (See Hill, H., assignor.)
- Dare, A., Philadelphia, Pa. Device for transmitting sound-waves. No. 907,320; Dec. 22; Sp. p. 4283; Gaz. vol. 137; p. 1789.
- Darkin, F. (See Scherr and Darkin.)
- Darley, J. W., Jr., Baltimore, Md. Expression device for keyboard musical instruments. No. 881,464; Mar. 10; Sp. p. 1938; Dr. p. 422; Gaz. vol. 133; p. 354.
- Darley, J. W., Jr., assignor to E. J. Knabe, Jr., Baltimore, Md. Self-playing grand piano. No. 901,281; Oct. 13; Sp. p. 2498; Dr. pp. 512-14; Gaz. vol. 136; p. 1493.
- Darley, J. W., Jr., assignor to E. J. Knabe, Jr., Baltimore, Md. Automatic grand piano. No. 901,890; Oct. 20; Sp. p. 3801; Dr. pp. 773-4; Gaz. vol. 136; p. 1730.
- Darley, J. W., Jr., Baltimore, Md., assignor, by mesne assignments, to American Piano Company. Autopneumatic motor for self-playing musical instruments. No. 902,382; Oct. 27; Sp. p. 4837; Dr. p. 978; Gaz. vol. 136; p. 1920.
- Darling, A., Dublin, Ontario, assignor of one-half to E. J. Litt, Stratford, Canada. Snow-plow. No. 889,211; June 2; Sp. p. 42; Dr. p. 11; Gaz. vol. 134; p. 1064.
- Darling, J. D., Philadelphia, Pa. Chewing-gum. No. 907,748; Dec. 29; Sp. p. 5192; Gaz. vol. 137; p. 1959.

Alphabetical list of patentees—Continued.

- Darling, O. J., Detroit, Mich. Air-pump. No. 886,353; May 5; Sp. p. 26; Dr. p. 6; Gaz. vol. 134; p. 8.
- Darling, P. G. (See Blanchard and Darling.)
- Darling, S. B., Somerville, Mass. Indexing system. No. 895,974; Aug. 11; Sp. p. 2402; Dr. p. 512; Gaz. vol. 135; p. 1311.
- Darling, W. F., assignor of one-third to S. T. Chancellor, Hobart, Tasmania, Australia. Leveling-staff. No. 886,354; May 5; Sp. p. 27; Dr. p. 6; Gaz. vol. 134; p. 8.
- Darling, W. P., Meadville, Mo. Steam-boiler furnace. No. 880,977; Mar. 3; Sp. p. 981; Dr. p. 212; Gaz. vol. 133; p. 166.
- Darlington, F., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of distribution for direct current. No. 889,911; June 9; Sp. p. 1420; Dr. p. 322; Gaz. vol. 134; p. 1314.
- Darlington, J. J., *et al.*, trustees. (See Cahill, T., assignor.)
- Darlington, P. J., Pittsburg, Pa. Rotary machine. No. 885,731; Apr. 28; Sp. p. 4243; Dr. p. 889; Gaz. vol. 133; p. 1950.
- Darlington, P. J., Pittsburg, Pa. Rotary motor. No. 885,732; Apr. 28; Sp. p. 4244; Dr. p. 889; Gaz. vol. 133; p. 1951.
- Darlington, P. J., Pittsburg, Pa. Rotary motor. No. 887,595; May 12; Sp. p. 2566; Dr. p. 541; Gaz. vol. 134; p. 442.
- Darlington, W., Grassendale, near Liverpool, England. Fodder for animals. No. 903,683; Nov. 10; Sp. p. 2310; Gaz. vol. 137; p. 405.
- Darnall, C. R., Washington, D. C. Apparatus for purifying water. No. 879,856; Feb. 25; Sp. p. 4068; Dr. p. 853; Gaz. vol. 132; p. 1596.
- Darnell, G. W., near Edna, Tex. Insect-destroyer. No. 884,319; Apr. 7; Sp. p. 1304; Dr. p. 276; Gaz. vol. 133; p. 1401.
- Darnell, J. H., and W. F. Kimble, Hanford, Cal. Automatic fishing device. No. 891,044; June 16; Sp. p. 3767; Dr. pp. 822-3; Gaz. vol. 134; p. 1720.
- Darr, A. L., Carroll, Iowa. Transformable protractor, square, &c. No. 876,042; Jan. 7; Sp. p. 688; Dr. p. 147; Gaz. vol. 132; p. 119.
- Darr, S. E. (See Ralston, S. T., assignor.)
- Darracott, G. F., Aberdeen, Miss. Hasp-lock. No. 878,474; Feb. 4; Sp. p. 321; Dr. p. 67; Gaz. vol. 132; p. 900.
- Darraque, P. A., assignor to Société A. Darraque & Cie. (1905) Ltd., Suresnes, France. Operating device for motor-vehicles. No. 877,762; Jan. 28; Sp. p. 4233; Dr. p. 919; Gaz. vol. 132; p. 778.
- Darrock, A., New York, N. Y. Ventilator. No. 901,075; Oct. 13; Sp. p. 2113; Dr. pp. 430-1; Gaz. vol. 136; p. 1428.
- Darrow, J. J., Asherville, Kans. Lawn-sprinkler. No. 902,863; Nov. 3; Sp. p. 671; Gaz. vol. 137; p. 112.
- Darrow, J. M., Asherville, Kans. Attachment for binders. No. 881,113; Mar. 10; Sp. p. 1237; Dr. p. 266; Gaz. vol. 133; p. 240.
- Darrow, W. E. (See Hambric, P. T., assignor.)
- Darrow, W. E., Sutter Creek, Cal. Concentrating apparatus. No. 898,331; Sept. 8; Sp. p. 2203; Dr. pp. 467-8; Gaz. vol. 136; p. 382.
- Darrow, W. E., Sutter Creek, Cal. Concentrating apparatus. No. 906,205; Dec. 8; Sp. p. 2138; Gaz. vol. 137; p. 1367.
- Darter, R. L., Murphysboro, Ill. Steam-fan. No. 894,941; Aug. 4; Sp. p. 333; Dr. p. 67; Gaz. vol. 135; p. 948.
- Darwin, H., Cambridge, England. Automatic apparatus for detecting smoke and the like. No. 878,456; Feb. 4; Sp. p. 1122; Dr. p. 230; Gaz. vol. 132; p. 1033.
- Date, W. E., Westfield, N. J., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Motor-controlling device. No. 876,441; Jan. 14; Sp. p. 1522; Dr. pp. 327-8; Gaz. vol. 132; p. 280.
- Daubaignan, R., St. Louis, assignor of one-half to R. H. Lear, Kirkwood, Mo. Sash-fastener. No. 897,719; Sept. 1; Sp. p. 970; Dr. p. 207; Gaz. vol. 136; p. 155.
- Dauch, J. J., *et al.* (See Millspaugh, W. H., assignor.)
- Dauch, J. J., and W. F. Harbrecht, Sandusky, Ohio. Straw-cooker. No. 878,711; Feb. 11; Sp. p. 1744; Dr. p. 361; Gaz. vol. 132; p. 1153.
- Daudelin, J. B., Fall River, Mass. Shuttle. No. 908,211; Dec. 29; Sp. p. 6178; Gaz. vol. 137; p. 2114.
- Daudt, D. S., Plainfield, N. J. Catamenial appliance. No. 900,150; Oct. 6; Sp. p. 162; Dr. p. 34; Gaz. vol. 136; p. 1100.
- Daugherty, A. A., New York, N. Y. Vehicle-wheel. No. 902,383; Oct. 27; Sp. p. 4839; Dr. p. 978; Gaz. vol. 136; p. 1920.
- Daugherty, J., Akron, Ohio. Rail-joint. No. 893,460; July 14; Sp. p. 2173; Dr. p. 457; Gaz. vol. 135; p. 384.
- Daugherty, J. M., Bosworth, Mo. Porch-column support and fastener. No. 894,370; July 28; Sp. p. 4173; Dr. p. 862; Gaz. vol. 135; p. 734.
- Daughtrey, G. H., Chicago, Ill. Package-tie. No. 893,192; Sept. 8; Sp. p. 1950; Dr. p. 417; Gaz. vol. 136; p. 339.
- Daum, L., New York, N. Y. Label-pasting board. No. 881,776; Mar. 10; Sp. p. 2539; Dr. p. 547; Gaz. vol. 133; p. 453.
- Dauner, C. J., and C. A. Werrmann, Cincinnati, Ohio. Jeweler's gage. No. 876,696; Jan. 14; Sp. p. 2086; Dr. p. 453; Gaz. vol. 132; p. 369.
- Daus, A. H., Chicago, Ill. Safety appliance for electric-railway trains. No. 892,712; July 7; Sp. p. 619; Dr. p. 133; Gaz. vol. 135; p. 109.
- Daus, A. H., Chicago, Ill. Safety device for electric trains. No. 892,713; July 7; Sp. p. 627; Dr. p. 134; Gaz. vol. 135; p. 109.
- Dautel, L. J., *et al.* (See Zerkowit, O., assignor.)
- Dauvergne, A., Lyon, France. Elastic wheel. No. 897,381; Sept. 8; Sp. p. 1304; Dr. p. 279; Gaz. vol. 136; p. 238.
- Davenport, H. F., Chicago, Ill., assignor to Brunswick-Balke-Collender Company, New York, N. Y. Convertible billiard-table. No. 900,085; Oct. 6; Sp. p. 24; Dr. p. 4; Gaz. vol. 136; p. 1079.
- Davenport, I. L., Camden, N. J. Spinning-top. No. 896,628; Aug. 18; Sp. p. 3665; Dr. p. 787; Gaz. vol. 135; p. 1544.
- Davenport, J. (See Mortimer, H. L., assignor.)
- Davenport, R. P., *et al.* (See Lewis, S. T., assignor.)
- Davenport, W. D., Kaufman, Tex. Massage-machine. No. 907,749; Dec. 29; Sp. p. 5194; Gaz. vol. 137; p. 1959.
- Davenport Wagon Company. (See Hecht, J. L., assignor.)
- Daves, W., Bloomington, Ill., assignor to Inter-State Signal Company, Camden, N. J. Block-signal system. No. 882,143; Mar. 17; Sp. p. 3309; Dr. p. 706; Gaz. vol. 133; p. 603.
- Davey, J. (See Davey, J. A. J., and M. L.)
- Davey, J. M. L., and J. A., Kent, Ohio. Treating and dressing a bruise or wound in the trunk or live branch of a tree. No. 890,968; June 16; Sp. p. 3631; Dr. p. 790; Gaz. vol. 134; p. 1695.
- Davey, J. A. (See Davey, J. M. L., and J. A.)
- Davey, J. A., J., and M. L., Kent, Ohio. Means for tying tree branches together. No. 890,967; June 16; Sp. p. 3629; Dr. p. 790; Gaz. vol. 134; p. 1695.
- Davey, J. F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Eyeletting-machine. No. 893,729; Sept. 15; Sp. p. 2986; Dr. p. 641; Gaz. vol. 136; p. 543.
- Davey, M. L. (See Davey, J. A. J., and M. L.)
- David, F. (See Garin and David.)
- David, L., Montgomery, Ala. Sawless cotton-gin. No. 895,730; Aug. 11; Sp. p. 1918; Dr. p. 406; Gaz. vol. 135; p. 1234.
- Dauids, V. V., New York, N. Y. Abdominal support. No. 882,188; Mar. 17; Sp. p. 3412; Dr. p. 725; Gaz. vol. 133; p. 617.
- Davidson, A. C., Chicago, Ill. Drop-light fixture and the like. No. 879,247; Feb. 18; Sp. p. 2772; Dr. p. 581; Gaz. vol. 132; p. 1364.
- Davidson, A. V., and C. R. Beard, Akron, Ohio. Gate. No. 885,667; Apr. 21; Sp. p. 4098; Dr. p. 858; Gaz. vol. 133; p. 1899.
- Davidson, E. C., Tampa, Fla. Stove-fender. No. 907,010; Dec. 15; Sp. p. 3641; Gaz. vol. 137; p. 1648.
- Davidson, F. B., Marseilles, Ill., assignor to Howe and Davidson Company, East Orange, N. J. Container. No. 889,109; May 26; Sp. p. 5620; Dr. p. 1190; Gaz. vol. 134; p. 999.
- Davidson, F. B., Marseilles, Ill., assignor to Howe and Davidson Company, East Orange, N. J. Paper-board box. No. 890,222; June 9; Sp. p. 2065; Dr. p. 453; Gaz. vol. 134; p. 1419.
- Davidson, F. B., Marseilles, Ill., assignor to Howe and Davidson Company, East Orange, N. J. Paper tray. No. 892,030; June 30; Sp. p. 5781; Dr. pp. 1243-4; Gaz. vol. 134; p. 2106.
- Davidson, F. B., Marseilles, Ill., assignor to Howe and Davidson Company, East Orange, N. J. Container. No. 902,213; Oct. 27; Sp. p. 4475; Dr. pp. 905-6; Gaz. vol. 136; p. 1864.
- Davidson, F. B., and W. Gorges, Marseilles, Ill., assignors to Howe and Davidson Company, East Orange, N. J. Paper-coating machine. No. 890,221; June 9; Sp. p. 2057; Dr. pp. 451-3; Gaz. vol. 134; p. 1418.
- Davidson, F. S., and W. P. Burra, Ashford, England. Hop-extracting apparatus. No. 883,173; Mar. 31; Sp. p. 5342; Dr. p. 1137; Gaz. vol. 133; p. 1003.
- Davidson, F. S., and W. P. Burra, Ashford, England. Forming extracts from hops and yeast. No. 883,174; Mar. 31; Sp. p. 5343; Dr. p. 1138; Gaz. vol. 133; p. 1003.
- Davidson, G. H., Morenci, Ariz. Ter. Elevator. No. 893,456; July 14; Sp. p. 2166; Dr. pp. 455-6; Gaz. vol. 135; p. 382.
- Davidson, G. H., Morenci, Ariz. Ter. Ore-concentrator. No. 893,985; July 21; Sp. p. 3359; Dr. pp. 687-8; Gaz. vol. 135; p. 586.
- Davidson, I. M. (See Newman and Davidson.)
- Davidson, J. (See Haskell and Davidson.)
- Davidson, J., assignor of one-half to W. D. Nash, Atlanta, Ga. Cotton-seed-linting machine. No. 882,453; Mar. 17; Sp. p. 3891; Dr. p. 832; Gaz. vol. 133; p. 704.
- Davidson, R., assignor to Michigan Lubricator Co., Detroit, Mich. Lubricator. No. 897,599; Sept. 1; Sp. p. 737; Dr. pp. 155-6; Gaz. vol. 136; p. 117.
- Davidson, R. M., Elmira, N. Y. Perforating mechanism. No. 898,193; Sept. 8; Sp. p. 1951; Dr. p. 417; Gaz. vol. 136; p. 339.
- Davidson, R. M., Elmira, N. Y. Paper perforating, cutting, and delivery apparatus. No. 901,892; Oct. 20; Sp. p. 3805; Dr. pp. 774-5; Gaz. vol. 136; p. 1731.
- Davidson, R. M., Elmira, N. Y. Inking apparatus for printing-machines. No. 904,312; Nov. 17; Sp. p. 3654; Gaz. vol. 137; p. 651.
- Davidson, S. C., Belfast, Ireland, assignor to Sirocco Engineering Company, Jersey City, N. J. Centrifugal fan or pump. (Reissue.) No. 12,796; May 26; Sp. p. 5786; Dr. pp. 1226-7; Gaz. vol. 134; p. 1024.

Alphabetical list of patentees—Continued.

- Davidson, S. C., Belfast, Ireland, assignor to Sirocco Engineering Company, Jersey City, N. J. Centrifugal fan or pump. (Reissue.) No. 12,797; May 26; Sp. p. 5791; Dr. pp. 1227-9; Gaz. vol. 134; p. 1025.
- Davidson, S. C., Belfast, Ireland, assignor to Sirocco Engineering Company, Jersey City, N. J. Centrifugal fan or pump. (Reissue.) No. 12,798; May 26; Sp. p. 5797; Dr. pp. 1229-31; Gaz. vol. 134; p. 1025.
- Davidson, S. C., Belfast, Ireland. Pedestal-bearing. No. 898,632; Sept. 15; Sp. p. 2811; Dr. p. 600; Gaz. vol. 136; p. 513.
- Davidson, S. J., Lexington, Ky. Paper-rewind mechanism for adding-machines. No. 884,721; Apr. 14; Sp. p. 2163; Dr. p. 460; Gaz. vol. 133; p. 1565.
- Davidson, W. H., Boston, Mass. Nutmeg-grater. No. 889,666; June 2; Sp. p. 919; Dr. p. 213; Gaz. vol. 134; p. 1210.
- Davidson, W. H., Boston, Mass. Ventilator. No. 898,838; Sept. 15; Sp. p. 3184; Dr. p. 681; Gaz. vol. 136; p. 579.
- Davidson, W. H., Boston, assignor to one-half to W. O. Eddy, Middleboro, Mass. Ventilator. No. 898,730; Sept. 15; Sp. p. 2990; Dr. p. 641; Gaz. vol. 136; p. 544.
- Davies, A., Stonehouse, Plymouth, England. Color photography. No. 879,445; Feb. 18; Sp. p. 317; Gaz. vol. 132; p. 1429.
- Davies, C. W. T., London, England. Collar. No. 877,302; Jan. 21; Sp. p. 3334; Dr. p. 723; Gaz. vol. 132; p. 609.
- Davies, C. W. T., New York, N. Y. Retainer-necktie. No. 892,139; June 30; Sp. p. 5992; Dr. p. 1288; Gaz. vol. 134; p. 2142.
- Davies, D. E., Stockwell, England. Envelop. No. 893,227; July 14; Sp. p. 1696; Dr. p. 358; Gaz. vol. 135; p. 307.
- Davies, D. W., *et al.* (See Bennett, R. H., assignor.)
- Davies, E. L., and W. G. Clark, Wessels Nek, Natal. Uniting iron or steel with each other and with other metals. No. 885,668; Apr. 21; Sp. p. 4100; Gaz. vol. 133; p. 1899.
- Davies, E. T., Portland, Ore. Band sawing-machine. No. 876,302; Jan. 7; Sp. p. 1219; Dr. p. 266; Gaz. vol. 132; p. 204.
- Davies, E. T., Portland, Ore. Sawing apparatus. No. 879,038; Feb. 11; Sp. p. 2348; Dr. p. 491; Gaz. vol. 132; p. 1255.
- Davies, J. H., (See Bliden and Davies.)
- Davies, K. R., *et al.* (See Ericsson, A. N., assignor.)
- Davies, P. S., Pueblo, Colo. Propeller for air-ships. No. 903,060; Nov. 3; Sp. p. 1061; Gaz. vol. 137; p. 173.
- Davies, T. H., Rutherford, N. J. Means for attaching flexible material to rolls or drums. No. 886,582; May 5; Sp. p. 469; Dr. p. 100; Gaz. vol. 134; p. 86.
- Davies, T. M., Llanelli, England. Wheel specially adapted to receive an auxiliary or spare rim. No. 894,609; July 28; Sp. p. 4659; Dr. p. 967; Gaz. vol. 135; p. 813.
- Davies, T. M. and W. assignors to Stepany Motor Wheel, Limited, Llanelli, England. Auxiliary relief wheel-rim for motor cars and vehicles. No. 895,975; Aug. 11; Sp. p. 2404; Dr. p. 512; Gaz. vol. 135; p. 1311.
- Davies, W., (See Davies, T. M. and W.)
- Davies, W. D., New York, N. Y., assignor to Ansonia Clock Company, Ansonia, Conn. Repeating alarm-clock. No. 881,555; Mar. 10; Sp. p. 2110; Dr. p. 461; Gaz. vol. 133; p. 384.
- Davies, W. L., (See Forsythe, L. K., assignor.)
- Davis, A., Scranton, Pa. Stair-rod. No. 900,358; Oct. 6; Sp. p. 594; Dr. p. 123; Gaz. vol. 136; p. 1166.
- Davis, A., Chicago, Ill., assignor to Davis Acetylene Company, Elkhart, Ind. Governor. No. 902,278; Oct. 27; Sp. p. 4613; Dr. p. 937; Gaz. vol. 136; p. 1886.
- Davis, A. E., Naife, Ala. Bootjack. No. 887,924; May 19; Sp. p. 3231; Dr. p. 679; Gaz. vol. 134; p. 582.
- Davis, A. E., Johannesburg, Transvaal. Pump and the like. No. 900,357; Oct. 6; Sp. p. 592; Dr. pp. 122-3; Gaz. vol. 136; p. 1166.
- Davis, A. F., *et al.* (See Campbell, L. E., assignor.)
- Davis, A. F., Marion, Ala. Cultivating-scraper. No. 905,684; Nov. 10; Sp. p. 2311; Gaz. vol. 137; p. 405.
- Davis, A. G., Schenectady, N. Y., assignor to General Electric Company. Automobile. No. 890,615; June 16; Sp. p. 2872; Dr. pp. 632-3; Gaz. vol. 134; p. 1579.
- Davis, A. G., Schenectady, N. Y., assignor to General Electric Company. Electrode. No. 905,666; Dec. 1; Sp. p. 1097; Gaz. vol. 137; p. 1161.
- Davis, A. G., Schenectady, N. Y., assignor to General Electric Company. Alternating-current clutch. No. 905,797; Dec. 1; Sp. p. 1349; Gaz. vol. 137; p. 1205.
- Davis, A. H., Burlington, Iowa. Current-motor. No. 880,509; Mar. 3; Sp. p. 33; Dr. p. 8; Gaz. vol. 133; p. 9.
- Davis, A. J., *et al.* (See Davis, D. J., assignor.)
- Davis, A. N., St. Louis, Mo. Train-pipe-coupling. No. 898,561; Sept. 15; Sp. p. 2669; Dr. p. 571; Gaz. vol. 136; p. 489.
- Davis, A. V., Pasadena, Cal. Scaffold-bracket. No. 885,227; Apr. 21; Sp. p. 3221; Dr. p. 672; Gaz. vol. 133; p. 1760.
- Davis Acetylene Company, (See Davis, A., assignor.)
- Davis-Bournonville Acetylene Development Company, (See Bournonville, E. M., assignor.)
- Davis Bros., (See Davis, O. H., assignor.)
- Davis, C. U. S. Navy, assignor, by mesne assignments, to Carnegie Steel Company, Pittsburg, Pa. Cementation of steel. No. 876,862; Jan. 14; Sp. p. 2379; Dr. p. 519; Gaz. vol. 132; p. 420.
- Davis, C. U. S. Navy, assignor, by mesne assignments, to National Torpedo Company, New York, N. Y. Shell or casing for standard torpedoes. No. 901,157; Oct. 13; Sp. p. 2261; Dr. p. 460; Gaz. vol. 136; p. 1454.
- Davis, C. A., Pasadena, Cal. Means for attaching crowns to roots of teeth. No. 891,600; June 23; Sp. p. 4894; Dr. p. 1054; Gaz. vol. 134; p. 1931.
- Davis, C. B., *et al.* (See De Martino, J., assignor.)
- Davis, C. B., Chase City, Va. Non-refillable bottle. No. 892,939; July 7; Sp. p. 1110; Dr. p. 233; Gaz. vol. 135; p. 184.
- Davis, C. B., Chase City, Va., assignor of three-eighths to J. H. Burroughs, Asheville, N. C., T. E. Parnell, Chattanooga, Tenn., and A. T. Finch, Chase City, Va. Chewing-gum wrapper. No. 884,800; Apr. 14; Sp. p. 2331; Dr. p. 490; Gaz. vol. 133; p. 1591.
- Davis, C. F., Downers Grove, Ill. Asparagus-cutter. No. 887,466; May 12; Sp. p. 2320; Dr. p. 486; Gaz. vol. 134; p. 400.
- Davis, C. G., Manistee, Mich. Stove-leg. No. 889,298; June 2; Sp. p. 208; Dr. p. 52; Gaz. vol. 134; p. 1091.
- Davis, C. H., *et al.* (See Titus, W., assignor.)
- Davis, C. L., Detroit, Mich. Automatic governor for pneumatic motors. No. 898,194; Sept. 8; Sp. p. 1953; Dr. p. 417; Gaz. vol. 136; p. 339.
- Davis, C. L., Doran, Va. Wire-fence stretcher. No. 901,891; Oct. 20; Sp. p. 3803; Dr. p. 774; Gaz. vol. 136; p. 1731.
- Davis, C. M., Battle Creek, Mich. Shaving-cup. No. 882,668; Mar. 24; Sp. p. 4330; Dr. p. 921; Gaz. vol. 133; p. 808.
- Davis, C. R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Sulky-plow. No. 880,724; Mar. 3; Sp. p. 468; Dr. p. 99; Gaz. vol. 133; p. 82.
- Davis, C. R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 891,673; June 23; Sp. p. 5068; Dr. p. 1094; Gaz. vol. 134; p. 1958.
- Davis, C. R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 893,311; July 14; Sp. p. 1859; Dr. p. 388; Gaz. vol. 135; p. 335.
- Davis, C. S., *et al.* (See McNeal, L. C., assignor.)
- Davis, C. S., (See Selden, A. R., assignor.)
- Davis, C. W., Edgeworth, assignor to Standard Underground Cable Company, Pittsburg, Pa. Terminal for electric cables. No. 881,777; Mar. 10; Sp. p. 2541; Dr. p. 547; Gaz. vol. 133; p. 454.
- Davis, C. W., Edgeworth, assignor to Standard Underground Cable Company, Pittsburg, Pa. Terminal for electric cables. No. 898,097; Sept. 8; Sp. p. 1767; Dr. pp. 375-6; Gaz. vol. 136; p. 309.
- Davis, C. Z., and J. H. Baer, assignors to Cyphers Incubator Company, Buffalo, N. Y. Lamp-support for incubator-heaters. No. 883,939; Apr. 7; Sp. p. 545; Dr. p. 108; Gaz. vol. 133; p. 1280.
- Davis, D., Cleveland, Ohio, assignor to American Steel & Wire Company, Chicago, Ill. Continuous heating-furnace. No. 901,230; Oct. 13; Sp. p. 2386; Dr. p. 488; Gaz. vol. 136; p. 1476.
- Davis, D. C., assignor of one-half to G. R. Bradshaw, Ellensburg, Wash. Lawn-mower grass-receptacle. No. 876,697; Jan. 14; Sp. p. 2088; Dr. p. 454; Gaz. vol. 132; p. 369.
- Davis, D. J., assignor of two-thirds to S. J. and A. J. Davis, Chicago, Ill. Bottle-filling apparatus. No. 879,133; Feb. 11; Sp. p. 2554; Dr. pp. 531-2; Gaz. vol. 132; p. 1285.
- Davis, D. M., Washington, D. C. Shock-absorber. No. 887,925; May 19; Sp. p. 3231; Dr. p. 680; Gaz. vol. 134; p. 582.
- Davis, D. W., Dresden, Ohio. Draft-attachment. No. 904,473; Nov. 17; Sp. p. 3967; Gaz. vol. 137; p. 704.
- Davis, E., (See Dieter, Bowsher, and Davis.)
- Davis, E. St. Louis, Mo. Index. No. 897,600; Sept. 1; Sp. p. 739; Dr. p. 156; Gaz. vol. 136; p. 117.
- Davis, E. A., New Orleans, La. Dust-settler for brooms. No. 883,175; Mar. 31; Sp. p. 5345; Dr. p. 1138; Gaz. vol. 133; p. 1003.
- Davis, E. F., (See Neal, H. W., assignor.)
- Davis, E. H., (See Lacroix, J. D., assignor.)
- Davis, E. J., *et al.* (See Martin, W. E., assignor.)
- Davis, E. J., Prosser, Wash. Fabric-pressing device. No. 893,457; July 14; Sp. p. 2169; Dr. p. 456; Gaz. vol. 135; p. 382.
- Davis, E. N., Lodi, Wis. Crate. No. 883,002; Mar. 24; Sp. p. 4995; Dr. p. 1062; Gaz. vol. 133; p. 917.
- Davis, E. N., Lodi, Wis. Railway-tie. No. 900,086; Oct. 6; Sp. p. 7; Dr. p. 5; Gaz. vol. 136; p. 1079.
- Davis, E. O., Greensboro, and G. Handley, Lock No. 4, Pa. Attachment for crane-hooks. No. 892,940; July 7; Sp. p. 1112; Dr. p. 233; Gaz. vol. 135; p. 185.

Alphabetical list of patentees—Continued.

- Davis, E. S. (See Wright, J. T., assignor.)
 Davis, E. W. (See Higgins, Davis, and Atkinson.)
 Davis, F. (See Gale and Davis.)
 Davis, F. E., assignor to W. H. Campbell, Nashua, N. H. Paper-box-blank-making machine. No. 907,011; Dec. 15; Sp. p. 3642; Gaz. vol. 137; p. 1640.
 Davis, F. H., East Lake, Ala., assignor to Ingersoll-Rand Company. Shot-feeding means for core-drilling apparatus. No. 902,564; Nov. 3; Sp. p. 65; Gaz. vol. 137; p. 11.
 Davis, F. M., Carthage, Tex. Reclining-chair. No. 903,361; Nov. 10; Sp. p. 1649; Gaz. vol. 137; p. 302.
 Davis, F. M., assignor to Davis Manufacturing Company, Milwaukee, Wis. Lubricator. No. 890,616; June 16; Sp. p. 2877; Dr. p. 633; Gaz. vol. 134; p. 1579.
 Davis, F. S., Detroit, Mich. Faucet attachment. No. 883,176; Mar. 31; Sp. p. 5346; Dr. p. 1138; Gaz. vol. 133; p. 1003.
 Davis, F. S., Detroit, Mich. Can-cover. No. 897,720; Sept. 1; Sp. p. 971; Dr. p. 207; Gaz. vol. 136; p. 156.
 Davis, F. S., Toledo, Ohio, assignor to Pope Manufacturing Company, Jersey City, N. J., and Hartford, Conn. Controlling device for motor-vehicles. No. 902,944; Nov. 3; Sp. p. 829; Gaz. vol. 137; p. 137.
 Davis & Furber Machine Company. (See Goodwin, L. O., assignor.)
 Davis & Furber Machine Company. (See McGlinchy, J. J., assignor.)
 Davis & Furber Machine Company. (See Stevens, F. C., assignor.)
 Davis & Furber Manufacturing Company. (See Rundlett, W. D., assignor.)
 Davis, G., Bessemer, Ala. Animal-trap. No. 892,368; June 30; Sp. p. 6428; Dr. p. 1387; Gaz. vol. 134; p. 2217.
 Davis, G. B., Dawson, Yukon Territory, Canada. Propeller-wheel. No. 896,087; Aug. 18; Sp. p. 2615; Dr. p. 566; Gaz. vol. 135; p. 1371.
 Davis, G. B., Dawson, Yukon, Canada. Hood for propeller-wheels. No. 904,313; Nov. 17; Sp. p. 3656; Gaz. vol. 137; p. 651.
 Davis, G. E., Dubuque, Iowa. Power-hammer. No. 888,391; May 19; Sp. p. 4107; Dr. p. 867; Gaz. vol. 134; p. 731.
 Davis, G. H., West Orange, N. J. Self-playing attachment for pianos. No. 887,774; May 19; Sp. p. 2932; Dr. p. 617; Gaz. vol. 134; p. 532.
 Davis, G. H., West Orange, N. J. Electromechanical movement. No. 895,242; Aug. 4; Sp. p. 953; Dr. p. 200; Gaz. vol. 135; p. 1051.
 Davis, G. H., Portland, Me., assignor to Curtain Supply Company, Newark, N. J. Frictional curtain-holding device. No. 877,412; Jan. 21; Sp. p. 3544; Dr. p. 767; Gaz. vol. 132; p. 644.
 Davis, G. H., Portland, Me., assignor to Curtain Supply Company, Chicago, Ill. Window-shade-holding device. No. 893,458; July 14; Sp. p. 2170; Dr. p. 456; Gaz. vol. 135; p. 383.
 Davis, G. H., West Orange, N. J., assignor to Standard Music Roll Company. Paper-trimming machine. No. 890,340; June 9; Sp. p. 2526; Dr. p. 513; Gaz. vol. 134; p. 1457.
 Davis, G. H., West Orange, N. J., assignor to Standard Music Roll Company. Spool for music-sheets. No. 893,571; July 14; Sp. p. 2429; Dr. p. 505; Gaz. vol. 135; p. 420.
 Davis, G. H., West Orange, N. J., and C. T. Bowman, Schenectady, N. Y., assignors to Standard Music Roll Company. Pattern-controlled punch-selecting perforating-machine. No. 900,151; Oct. 6; Sp. p. 164; Dr. pp. 34-5; Gaz. vol. 136; p. 1100.
 Davis, G. M., *et al.* (See Martin, W. E., assignor.)
 Davis, G. M., Chicago, Ill. Valve. No. 900,987; Oct. 13; Sp. p. 1947; Dr. p. 396; Gaz. vol. 136; p. 1400.
 Davis Glove Company. (See Hoegren, A. G., assignor.)
 Davis, H., Addy, Wash. Automatic switch-alarm. No. 906,778; Dec. 15; Sp. p. 3215; Gaz. vol. 137; p. 1576.
 Davis, H., Washington, D. C., assignor to Brennan Construction Company. Unloading apparatus for concrete-mixers. No. 885,448; Apr. 21; Sp. p. 3655; Dr. pp. 766-7; Gaz. vol. 133; p. 1832.
 Davis, H., Niles, and D. C. Burrows, Warren, Ohio. Wrench. No. 906,695; Dec. 15; Sp. p. 3048; Gaz. vol. 137; p. 1549.
 Davis, H. A., Murfreesboro, Ark. Cultivator attachment. No. 885,228; Apr. 21; Sp. p. 3222; Dr. p. 672; Gaz. vol. 133; p. 1760.
 Davis, H. A., Davenport, Iowa. Self-oiling loose pulley. No. 903,960; Nov. 17; Sp. p. 2895; Gaz. vol. 137; p. 529.
 Davis, H. A., assignor to Draper Company, Hopedale, Mass. Brake-controlling mechanism for looms. No. 908,212; Dec. 29; Sp. p. 6179; Gaz. vol. 137; p. 2114.
 Davis, H. N., Independence, Mo. Friction-clutch. No. 898,332; Sept. 8; Sp. p. 2206; Dr. p. 468; Gaz. vol. 136; p. 382.
 Davis, H. W., Weatherford, Tex. Manufacturing a medicament. No. 906,694; Dec. 15; Sp. p. 3048; Gaz. vol. 137; p. 1549.
 Davis, I. N., assignor of one-half to F. Welles, Wyalusing, Pa. Jar and cover holder. No. 899,031; Sept. 22; Sp. p. 3543; Dr. p. 758; Gaz. vol. 136; p. 669.
 Davis, J. B., Dayton, Ohio. Self-measuring oil-pump. No. 905,411; Dec. 1; Sp. p. 563; Gaz. vol. 137; p. 1080.
 Davis, J. B., and B. Copeland, Abingdon, Ill., assignors to Abingdon Churn Co. Churn. No. 891,764; June 23; Sp. p. 5235; Dr. pp. 1134-5; Gaz. vol. 134; p. 1988.
 Davis, J. C. (See Perry, A. W., assignor.)
 Davis, J. C., Harbor Beach, Mich. Seal. No. 887,926; May 19; Sp. p. 3232; Dr. p. 680; Gaz. vol. 134; p. 583.
 Davis, J. E. (See Prescott, C. H., assignor.)
 Davis, J. F., Sag Harbor, N. Y. Refrigerator-guard. No. 875,785; Jan. 7; Sp. p. 209; Dr. p. 45; Gaz. vol. 132; p. 39.
 Davis, J. F., Freeport, Me. Shoe. No. 888,476; May 26; Sp. p. 4301; Dr. p. 911; Gaz. vol. 134; p. 790.
 Davis, J. F., Freeport, Me. Shoe. No. 906,114; Dec. 8; Sp. p. 1972; Gaz. vol. 137; p. 1336.
 Davis, J. H., assignor to The Sanitary Manufacturing Company, Hamilton, Ohio. Closet-seat hinge. No. 905,996; Dec. 8; Sp. p. 1745; Gaz. vol. 137; p. 1299.
 Davis, J. M., Nocona, Tex. Cut-off for tanks and the like. No. 889,912; June 9; Sp. p. 1422; Dr. p. 322; Gaz. vol. 134; p. 1314.
 Davis, J. N., Dayton, assignor to C. B. Oglesby, Middletown, Ohio. Paper pail. No. 903,455; Nov. 10; Sp. p. 1830; Gaz. vol. 137; p. 333.
 Davis, J. N., Dayton, assignor to C. B. Oglesby, Middletown, Ohio. Paper pail. No. 906,779; Dec. 15; Sp. p. 3217; Gaz. vol. 137; p. 1577.
 Davis, J. N., Dayton, assignor to C. B. Oglesby, Middletown, Ohio. Paper vessel. No. 906,780; Dec. 15; Sp. p. 3218; Gaz. vol. 137; p. 1577.
 Davis, J. W., *et al.* (See Barnett, J. B., assignor.)
 Davis, J. W. (See Burleson, A. M., assignor.)
 Davis, J. W. (See Roman, W. J., assignor.)
 Davis, J. W., Middleton, Tenn. Hoeing-cultivator. No. 887,596; May 12; Sp. p. 2568; Dr. pp. 541-2; Gaz. vol. 134; p. 442.
 Davis, J. W., assignor, by mesne assignments, to Davis Piano Player Company, Pulaski, Tenn. Manually and pneumatically operated automatic piano. No. 884,320; Apr. 7; Sp. p. 1306; Dr. pp. 276-7; Gaz. vol. 133; p. 1402.
 Davis, J. W., assignor to Mills-Piddington Cab Signal Company, Los Angeles, Cal. Electric block-signaling system. No. 897,355; Sept. 1; Sp. p. 215; Dr. pp. 45-7; Gaz. vol. 136; p. 33.
 Davis, L. B., Malden, Mass. Lacing-stud. No. 901,694; Oct. 20; Sp. p. 3436; Dr. p. 697; Gaz. vol. 136; p. 1668.
 Davis, L. H., Bridgeport, Conn. Truss. No. 877,986; Feb. 4; Sp. p. 177; Dr. p. 40; Gaz. vol. 132; p. 879.
 Davis, L. J., Battle Creek, Mich. Sanitary belt. No. 893,459; July 14; Sp. p. 2172; Dr. p. 457; Gaz. vol. 135; p. 383.
 Davis, L. N., Charlotte, N. C. Safe. No. 903,456; Nov. 10; Sp. p. 1831; Gaz. vol. 137; p. 333.
 Davis Locomotive Wheel Company. (See Pfleger, H. M., assignor.)
 Davis Locomotive Wheel Company. (See Westlake, C. T., assignor.)
 Davis, M., Trenton, N. J. Stove implement. No. 897,721; Sept. 1; Sp. p. 972; Dr. p. 207; Gaz. vol. 136; p. 156.
 Davis, M., assignor of one-half to O. W. Hutchison, Tonkawa, Okla. Grain weighing and bagging machine. No. 885,841; Apr. 28; Sp. p. 4473; Dr. pp. 939-40; Gaz. vol. 133; p. 1987.
 Davis, M. C., Wallowa, Ore. Bench-dog. No. 875,786; Jan. 7; Sp. p. 210; Dr. p. 45; Gaz. vol. 132; p. 39.
 Davis, M. E., Norwalk, Ohio. Adjustable pants or skirt hanger. No. 907,321; Dec. 22; Sp. p. 4285; Gaz. vol. 137; p. 1789.
 Davis, M. L., Lancaster, Pa. Garbage-crematory. No. 906,115; Dec. 8; Sp. p. 1973; Gaz. vol. 137; p. 1336.
 Davis, M. P., *et al.* (See Donovan, J. D., assignor.)
 Davis, M. S., Muncie, Ind. Baby-walker. No. 899,030; Sept. 22; Sp. p. 3543; Dr. p. 757; Gaz. vol. 136; p. 669.
 Davis Manufacturing Company. (See Davis, F. M., assignor.)
 Davis-Martin Company. (See Martin, T. A., assignor.)
 Davis McGregor Manufacturing Company. (See Davis, S. J., assignor.)
 Davis, N. A., Chicago, Ill. Sliding door. No. 880,865; Mar. 3; Sp. p. 783; Dr. p. 166; Gaz. vol. 133; p. 131.
 Davis, N. S., Montrose, Colo. Book-holder. No. 884,722; Apr. 14; Sp. p. 2167; Dr. p. 460; Gaz. vol. 133; p. 1565.
 Davis, O. C., Brockton, Mass. Sole for boots and shoes. No. 883,299; Mar. 31; Sp. p. 5608; Dr. p. 1195; Gaz. vol. 133; p. 1045.
 Davis, O. C., assignor of one-half to R. G. Peters, Manistee, Mich. Check-hook. No. 898,443; Sept. 15; Sp. p. 2434; Dr. p. 521; Gaz. vol. 136; p. 452.
 Davis, O. H., assignor to Davis Bros., Kansas City, Mo. Cardboard box. No. 901,695; Oct. 20; Sp. p. 3438; Dr. p. 697; Gaz. vol. 136; p. 1669.
 Davis, O. W., Los Angeles, Cal. Straight-seaming apparatus. No. 900,267; Oct. 6; Sp. p. 422; Dr. pp. 85-6; Gaz. vol. 136; p. 1137.
 Davis, O. W., assignor to Gearless Transmission Co., Rochester, N. Y. Transmission mechanism. No. 888,594; May 26; Sp. p. 4545; Dr. pp. 963-4; Gaz. vol. 134; p. 832.
 Davis, O. W., assignor to Gearless Transmission Co., Rochester, N. Y. Variable-transmission mechanism. No. 888,876; May 26; Sp. p. 5164; Dr. p. 1096; Gaz. vol. 134; p. 924.

Alphabetical list of patentees—Continued.

- Davis, O. W., assignor to Gearless Transmission Co., Rochester, N. Y. Transmission mechanism. No. 889,181; May 26; Sp. p. 5773; Dr. pp. 1223-4; Gaz. vol. 134; p. 1023.
- Davis Piano Player Company. (See Davis, J. W., assignor.)
- Davis, R., Woodrow, W. Va. Hydraulic motor. No. 888,698; May 26; Sp. p. 4772; Dr. p. 1016; Gaz. vol. 134; p. 866.
- Davis, R. E., Clapham, London, England. Means for locking nuts to bolts or studs. No. 892,229; June 30; Sp. p. 6172; Dr. p. 1329; Gaz. vol. 134; p. 2173.
- Davis, R. L. (See Hunsaker, Beisswingert, and Davis.)
- Davis & Roesch Temperature Controlling Company. (See Saugstad, O., assignor.)
- Davis, S. (See Morris and Davis.)
- Davis, S., Hazelton, Kans. Cutting apparatus. No. 903,273; Nov. 10; Sp. p. 1480; Gaz. vol. 137; p. 273.
- Davis, S. A., Martel, Fla. Turning axle-spindle. No. 905,410; Dec. 1; Sp. p. 562; Gaz. vol. 137; p. 1080.
- Davis, S. E., Elgin, Ill. Egg-candling machine. No. 877,490; Jan. 28; Sp. p. 3692; Dr. p. 801; Gaz. vol. 132; p. 690.
- Davis, S. E., Minneapolis, Minn. Drill and seeder. No. 898,562; Sept. 15; Sp. p. 2670; Dr. p. 571; Gaz. vol. 136; p. 490.
- Davis, S. J., *et al.* (See Davis, D. J., assignor.)
- Davis, S. J., Ostrander, Wash. Friction-clutch mechanism. No. 885,449; Apr. 21; Sp. p. 3657; Dr. p. 767; Gaz. vol. 133; p. 1832.
- Davis, S. J., Ostrander, Wash., assignor to Davis McGregor Manufacturing Company, Portland, Oreg. Logging means. No. 886,287; Apr. 28; Sp. p. 5358; Dr. pp. 1126-7; Gaz. vol. 133; p. 2135.
- Davis, S. J., Ostrander, Wash., assignor to Davis McGregor Manufacturing Company, Portland, Oreg. Balance throttle-valve. No. 886,288; Apr. 28; Sp. p. 5361; Dr. p. 1127; Gaz. vol. 133; p. 2135.
- Davis, S. L., Pensacola, Fla. Interlocking concrete curb-block. No. 895,243; Aug. 4; Sp. p. 955; Dr. p. 200; Gaz. vol. 135; p. 1051.
- Davis Sewing Machine Company. (See Green, L. D., assignor.)
- Davis, T. A., Warsaw, Ill. Tooth-crown. No. 876,043; Jan. 7; Sp. p. 689; Dr. p. 148; Gaz. vol. 132; p. 119.
- Davis, T. A., Findlay, Ill. Ironing-board. No. 889,767; June 2; Sp. p. 1127; Dr. p. 261; Gaz. vol. 134; p. 1241.
- Davis, T. A., Findlay, Ill. Mechanism for operating pumps, &c. No. 904,314; Nov. 17; Sp. p. 3657; Gaz. vol. 137; p. 652.
- Davis, T. E., Crystal City, Manitoba, Canada. Carpet-stretcher. No. 882,873; Mar. 24; Sp. p. 4746; Dr. p. 1009; Gaz. vol. 133; p. 874.
- Davis, T. J., assignor of one-third to F. C. Cook, Harding, S. D. Clevis. No. 897,066; Aug. 25; Sp. p. 4636; Dr. p. 987; Gaz. vol. 135; p. 1714.
- Davis, U. G., Pittsburg, Pa. Nut-making machine. No. 887,597; May 12; Sp. p. 2569; Dr. p. 542; Gaz. vol. 134; p. 443.
- Davis, U. G., Pittsburg, Pa. Nut-making machine. No. 895,976; Aug. 11; Sp. p. 2405; Dr. pp. 512-14; Gaz. vol. 135; p. 1312.
- Davis, V. F., Orange, N. J. Temperature-regulator. No. 889,182; May 26; Sp. p. 5777; Dr. p. 1224; Gaz. vol. 134; p. 1023.
- Davis, V. F., Orange, N. J. Damper and temperature regulator. No. 908,077; Dec. 29; Sp. p. 5867; Gaz. vol. 137; p. 2067.
- Davis, V. F., Orange, assignor to W. B. Wadsworth, Plainfield, N. J. Heat-regulating apparatus. No. 884,321; Apr. 7; Sp. p. 1308; Dr. p. 277; Gaz. vol. 133; p. 1402.
- Davis, W. B. (See Garant, H., assignor.)
- Davis, W. B., Popes Ferry, assignor of one-half to F. M. Ewing, Bolingbroke, Ga. Cotton-chopper. No. 883,628; Mar. 31; Sp. p. 6277; Dr. p. 1339; Gaz. vol. 133; p. 1149.
- Davis, W. C. (See Hill and Davis.)
- Davis, W. E. (See King, B. A., assignor.)
- Davis, W. F., *et al.* (See Donovan, J. D., assignor.)
- Davis, W. F., assignor of one-half to H. Mathews, Kansas City, Mo. Fluid-pressure valve. No. 885,145; Apr. 21; Sp. p. 3036; Dr. pp. 639-40; Gaz. vol. 133; p. 1733.
- Davis, W. H., Federalburg, Md. Tick-tack. No. 901,325; Oct. 20; Sp. p. 2600; Dr. p. 535; Gaz. vol. 136; p. 1543.
- Davis, W. M., Chicago, Ill., assignor, by mesne assignments, to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system. No. 901,696; Oct. 20; Sp. p. 3439; Dr. p. 697; Gaz. vol. 136; p. 1669.
- Davis, W. R., trustee. (See Allen, J. H., assignor.)
- Davis, W. T. (See Carter and Davis.)
- Davison, H. J., Bexhill, England. Window. No. 883,177; Mar. 31; Sp. p. 5347; Dr. pp. 1138-9; Gaz. vol. 133; p. 1004.
- Davitt, M. F., and L. J. Fenner, Dickson City, Pa. Combination-tool. No. 898,839; Sept. 15; Sp. p. 3187; Dr. p. 681; Gaz. vol. 136; p. 579.
- Davy Brothers. (See Holmes, T. E., assignor.)
- Davy, O. J., assignor to G. G. Schroeder, Washington, D. C. Audiphone. No. 883,003; Mar. 24; Sp. p. 4997; Dr. pp. 1062-3; Gaz. vol. 133; p. 917.
- Dawbarn, G. J., Ballarat, Victoria, Australia, assignor, by mesne assignments, to Allis-Chalmers Company, Milwaukee, Wis. Jigging machinery for dressing ore. No. 888,964; May 26; Sp. p. 5338; Dr. p. 1133; Gaz. vol. 134; p. 955.
- Dawber, C. C., Clifton, Ariz. Ter. Combined fuse-box and cut-out switch. No. 895,977; Aug. 11; Sp. p. 2411; Dr. p. 574; Gaz. vol. 135; p. 1312.
- Dawes, A. W., New Hope, Cal. Nut-lock. No. 898,333; Sept. 8; Sp. p. 2207; Dr. p. 468; Gaz. vol. 136; p. 382.
- Dawes, C. L. and E. M., Minneapolis, Minn. Boomerang. No. 906,206; Dec. 8; Sp. p. 2142; Gaz. vol. 137; p. 1367.
- Dawes, E. M. (See Dawes, C. L. and E. M.)
- Dawkins, W. E., O'Fallon, Ill. Automatic car-stop. No. 899,245; Sept. 23; Sp. p. 3991; Dr. p. 850; Gaz. vol. 136; p. 740.
- Dawley, C. A., New York, N. Y. Channeler. No. 876,863; Jan. 14; Sp. p. 2381; Dr. p. 519; Gaz. vol. 132; p. 420.
- Dawley, C. W., *et al.* (See Mayhew, J. D., assignor.)
- Dawson, A. T., and G. T. Buckham, assignors to Vickers Sons & Maxim Limited, Westminster, London, England. Field-gun carriage. No. 878,339; Feb. 4; Sp. p. 942; Dr. pp. 188-9; Gaz. vol. 132; p. 1002.
- Dawson, A. T., and G. T. Buckham, assignors to Vickers Sons & Maxim Limited, Westminster, London, England. Device for sighting and training quick-firing ordnance. No. 891,601; June 23; Sp. p. 4895; Dr. p. 1055; Gaz. vol. 134; p. 1932.
- Dawson, A. T., and G. T. Buckham, assignors to Vickers Sons & Maxim Limited, Westminster, London, England. Sighting and working of quick-firing ordnance. (Reissue.) No. 12,833; July 21; Sp. p. 3755; Dr. pp. 776-8; Gaz. vol. 135; p. 649.
- Dawson, A. T., and G. T. Buckham, Westminster, assignors to Vickers Sons & Maxim Limited, London, England. Range-keeper. No. 896,975; Aug. 25; Sp. p. 4442; Dr. pp. 949-51; Gaz. vol. 135; p. 1682.
- Dawson, A. T., and G. T. Buckham, Westminster, assignors to Vickers Sons & Maxim Limited, London, England. Recoil apparatus for guns. No. 897,821; Sept. 1; Sp. p. 1181; Dr. p. 250; Gaz. vol. 136; p. 187.
- Dawson, A. T., and G. T. Buckham, assignors to Vickers Sons & Maxim Limited, London, England. Breech mechanism of guns. No. 898,840; Sept. 15; Sp. p. 3188; Dr. pp. 682-3; Gaz. vol. 136; p. 579.
- Dawson, A. T., and G. T. Buckham, Westminster, assignors to Vickers Sons & Maxim Limited, London, England. Brake mechanism for recoiling guns. No. 899,206; Sept. 22; Sp. p. 3882; Dr. p. 829; Gaz. vol. 136; p. 727.
- Dawson, A. T., and G. T. Buckham, Westminster, assignors to Vickers Sons & Maxim Limited, London, England. Sighting apparatus for guns. No. 899,207; Sept. 22; Sp. p. 3885; Dr. p. 830; Gaz. vol. 136; p. 727.
- Dawson, A. T., and G. T. Buckham, Westminster, assignors to Vickers Sons & Maxim Limited, London, England. Sighting apparatus for guns. No. 905,793; Dec. 1; Sp. p. 1350; Gaz. vol. 137; p. 1205.
- Dawson, A. T., and G. T. Buckham, Westminster, assignors to Vickers Sons & Maxim Limited, London, England. Breech mechanism of ordnance. No. 905,997; Dec. 8; Sp. p. 1745; Gaz. vol. 137; p. 1299.
- Dawson, A. T., and G. T. Buckham, Westminster, assignors to Vickers Sons & Maxim Limited, London, England. Adjustable tripod stand or mounting for automatic guns. No. 906,511; Dec. 15; Sp. p. 2714; Gaz. vol. 137; p. 1492.
- Dawson, A. T., Westminster, and J. Horne, Barrow-in-Furness, assignors to Vickers Sons & Maxim Limited, Westminster, England. Range-indicator for ordnance. No. 890,411; June 9; Sp. p. 2451; Dr. pp. 542-4; Gaz. vol. 134; p. 1479.
- Dawson, C. P., *et al.* (See Jipperson, J. M., assignor.)
- Dawson, E. C., Jackson, Tenn. Plant-protector. No. 884,473; Apr. 14; Sp. p. 1626; Dr. p. 350; Gaz. vol. 133; p. 1482.
- Dawson, F. E., executrix. (See Dawson, R.)
- Dawson, F. W. (See Taylor and Dawson.)
- Dawson, J., Rochester, N. Y. Changeable-gear transmission mechanism. No. 878,778; Feb. 11; Sp. p. 1874; Dr. p. 387; Gaz. vol. 132; p. 1174.
- Dawson, J., Parma, Mo. Gearing. No. 903,546; Nov. 10; Sp. p. 2029; Gaz. vol. 137; p. 363.
- Dawson, J. B., Pioneer, Mont. Mail-bag catching and delivering apparatus. No. 876,864; Jan. 14; Sp. p. 2383; Dr. p. 520; Gaz. vol. 132; p. 421.
- Dawson, J. C., *et al.* (See Deckelmann, O. J., assignor.)
- Dawson, J. C., St. Louis, Mo. Coat-hanger. No. 886,041; Apr. 28; Sp. p. 4908; Dr. p. 1032; Gaz. vol. 133; p. 2054.
- Dawson, J. C., St. Louis, Mo., assignor to Sieber & Trussell Mfg. Co. Loose-leaf binder. No. 888,788; May 26; Sp. p. 4964; Dr. p. 1059; Gaz. vol. 134; p. 894.
- Dawson, J. C., St. Louis, Mo., assignor to Sieber & Trussell Manufacturing Company. Loose-leaf binder. No. 893,312; July 14; Sp. p. 1860; Dr. p. 388; Gaz. vol. 135; p. 335.
- Dawson, J. C., St. Louis, Mo., assignor to Sieber & Trussell Mfg. Co. Loose-sheet holder. No. 893,572; July 14; Sp. p. 2431; Dr. p. 506; Gaz. vol. 135; p. 420.

Alphabetical list of patentees—Continued.

- Dawson, J. C., St. Louis, Mo., assignor to Sieber & Trussell Mfg. Co. Book. No. 896,976; Aug. 25; Sp. p. 4451; Dr. p. 951; Gaz. vol. 135; p. 1682.
- Dawson, J. C., St. Louis, Mo., assignor to Sieber & Trussell Mfg. Co. Loose-leaf binder. No. 901,076; Oct. 13; Sp. p. 2118; Dr. p. 431; Gaz. vol. 136; p. 1429.
- Dawson, J. C., St. Louis, Mo., assignor to Sieber & Trussell Mfg. Co. Loose-leaf binder. No. 906,512; Dec. 15; Sp. p. 2715; Gaz. vol. 137; p. 1492.
- Dawson, J. W., Kansas City, Mo. Invisible electric burglar and fire alarm. No. 886,355; May 5; Sp. p. 29; Dr. p. 7; Gaz. vol. 134; p. 8.
- Dawson, O. B., Caldwell, N. J. Boiler-furnace. No. 904,051; Nov. 17; Sp. p. 3076; Gaz. vol. 137; p. 559.
- Dawson, R., deceased, Framingham, Mass.; F. E. Dawson, executrix. Machine for loosely packing fiber. No. 898,841; Sept. 15; Sp. p. 3191; Dr. pp. 683-4; Gaz. vol. 136; p. 580.
- Dawson, R., deceased, Framingham; F. E. Dawson, executrix, assignor of two-thirds to E. N. Hunt, Reading, Mass. Apparatus for dyeing fibrous material. No. 893,986; July 21; Sp. p. 3360; Dr. p. 688; Gaz. vol. 135; p. 587.
- Dawson, W., Hawarden, Iowa. Reciprocating propeller. No. 884,474; Apr. 14; Sp. p. 1627; Dr. p. 351; Gaz. vol. 133; p. 1482.
- Dawson, W. F., Rugby, England, assignor to General Electric Company. Means for supporting collector-rings. No. 900,710; Oct. 13; Sp. p. 1371; Dr. p. 279; Gaz. vol. 136; p. 1310.
- Day, A., Leeds, England. Packaging-machine. No. 885,733; Apr. 28; Sp. p. 4248; Dr. p. 890; Gaz. vol. 133; p. 1951.
- Day, A., Leeds, England. Machine for forming and making paper bags. No. 891,674; June 23; Sp. p. 5069; Dr. pp. 1094-6; Gaz. vol. 134; p. 1958.
- Day, A., Philadelphia, Pa. Exerciser. No. 897,722; Sept. 1; Sp. p. 973; Dr. p. 208; Gaz. vol. 136; p. 156.
- Day, A., Philadelphia, Pa. Roaster and cooker. No. 902,945; Nov. 3; Sp. p. 830; Gaz. vol. 137; p. 137.
- Day, A. A., New York, N. Y. Washing-machine. No. 902,718; Nov. 3; Sp. p. 374; Gaz. vol. 137; p. 64.
- Day, A. B., Knoxville, Tenn. Wheel. No. 907,750; Dec. 29; Sp. p. 5197; Gaz. vol. 137; p. 1960.
- Day, A. L., Wesley, Me. Self-rolling ball or globe. No. 898,334; Sept. 8; Sp. p. 2208; Dr. p. 468; Gaz. vol. 136; p. 382.
- Day, C. J. (See Kilbourn, W. H., assignor.)
- Day, C. L., Chicago, Ill. Bracket. No. 899,445; Sept. 22; Sp. p. 4326; Dr. p. 930; Gaz. vol. 136; p. 802.
- Day, C. S., *et al.* (See McClintock, E. H., assignor.)
- Day, D. T., Washington, D. C. Drying air for blast-furnaces. No. 897,356; Sept. 1; Sp. p. 221; Dr. p. 47; Gaz. vol. 136; p. 34.
- Day, E. G., East Millinocket, Me. Builder's bracket. No. 906,617; Dec. 15; Sp. p. 898; Gaz. vol. 137; p. 1524.
- Day, F., Los Angeles, Cal. Suspensory device. No. 902,647; Nov. 3; Sp. p. 228; Gaz. vol. 137; p. 38.
- Day, G. W., Gasport, N. Y. Water-relief valve. No. 881,848; Mar. 10; Sp. p. 2690; Dr. p. 575; Gaz. vol. 133; p. 478.
- Day, J. O., Mayfield, Ky. Solar germicide. No. 882,100; Mar. 17; Sp. p. 3242; Dr. p. 689; Gaz. vol. 133; p. 590.
- Day, M. W., Schenectady, N. Y., assignor to General Electric Company. Controller for electric circuits. No. 908,397; Dec. 29; Sp. p. 6563; Gaz. vol. 137; p. 2178.
- Day, O. A., Washington, D. C. Cigarette-holder. No. 892,812; July 7; Sp. p. 822; Dr. p. 176; Gaz. vol. 135; p. 141.
- Day, S. A., Paris, France. Flying or air car. No. 875,787; Jan. 7; Sp. p. 211; Dr. p. 46; Gaz. vol. 32; p. 39.
- Day, W. A., Bellingham, Wash. Berry-holder. No. 907,012; Dec. 15; Sp. p. 3647; Gaz. vol. 137; p. 1640.
- Day, W. P., Altoona, Pa. Conduit construction. No. 883,092; Mar. 24; Sp. p. 5159; Dr. p. 1102; Gaz. vol. 133; p. 945.
- Day, W. P., Altoona, Pa. Railway-tie and rail-fastening. No. 898,335; Sept. 8; Sp. p. 2208; Dr. p. 469; Gaz. vol. 136; p. 383.
- Daylight Photo Specialty Company. (See Bradburn, F. C., assignor.)
- Daylight Photo Specialty Company. (See Bradburn, Tyler, and Low, assignors.)
- Daymude, C. D., Wichita, Kan. Oil-can. No. 883,790; Apr. 7; Sp. p. 217; Dr. p. 40; Gaz. vol. 133; p. 1228.
- Days, W. J., and H. W. Richardson, Roxbury, Mass. Sash-fastener. No. 908,398; Dec. 29; Sp. p. 6565; Gaz. vol. 137; p. 2178.
- Dayton, A. F., Oakland, Cal. Barrier for race-courses. No. 893,461; July 14; Sp. p. 2175; Dr. p. 457; Gaz. vol. 135; p. 384.
- Dayton Clothing Manufacturing Company. (See Richards, J. E., assignor.)
- Dayton Electrical Manufacturing Co. (See Apple, V. G., assignor.)
- Dayton Hydraulic Machinery Company. (See Pirkel, J., assignor.)
- Dayton, J. C., Petersburg, W. Va. Mail-bag catching and delivering apparatus. No. 878,360; Feb. 4; Sp. p. 946; Dr. pp. 189-90; Gaz. vol. 132; p. 1002.
- Dayton, J. C., Petersburg, W. Va. Mail-bag catching and delivering apparatus. No. 882,237; Mar. 17; Sp. p. 3502; Dr. p. 743; Gaz. vol. 133; p. 632.
- Dayton, J. C., Fisher, W. Va. Mail-bag catching and delivering apparatus. No. 886,955; May 5; Sp. p. 1223; Dr. p. 259; Gaz. vol. 134; p. 204.
- Dayton Pneumatic Tool Company. (See Strom, A. F., assignor.)
- De Armon, C. W., and J. L. McKinney, Piqua, Ohio. Machine for molding concrete building-blocks. No. 904,513; Nov. 24; Sp. p. 4075; Gaz. vol. 137; p. 743.
- De Ball, B. S., Chicago, Ill. Boiler-furnace. No. 896,440; Aug. 18; Sp. p. 3306; Dr. pp. 710-11; Gaz. vol. 135; p. 1483.
- De Barry, A. J., assignor, by mesne assignments, to V. C. Bell, New York, N. Y. Advertising device. No. 889,212; June 2; Sp. p. 43; Dr. pp. 11-12; Gaz. vol. 134; p. 1065.
- De Bogory, P. P., Larkin, assignor of one-half to W. C. Offer, Miami, Fla. Concrete-mixer. No. 886,768; May 5; Sp. p. 896; Dr. p. 186; Gaz. vol. 134; p. 147.
- De Camp, E. (See Lefferts, H. D. B., assignor.)
- De Camp, W. H., Fort Wayne, Ind. Massage instrument. No. 890,029; June 9; Sp. p. 1665; Dr. p. 371; Gaz. vol. 134; p. 1354.
- De Camp, W. S., Chillicothe, Ohio. Pneumatic adjuster for angle-cocks on train-pipes. No. 891,675; June 23; Sp. p. 5076; Dr. p. 1096; Gaz. vol. 134; p. 1959.
- De Camp, W. S., Chillicothe, Ohio. Means for controlling pneumatic signal-pipes on railway-trains. No. 891,676; June 23; Sp. p. 5079; Dr. p. 1096; Gaz. vol. 134; p. 1959.
- De Canio, V. A., Union Hill, N. J. Self-closing drawer. No. 886,192; Apr. 28; Sp. p. 5183; Dr. p. 1091; Gaz. vol. 133; p. 2102.
- De Canio, V. A., Union Hill, N. J. Refrigerator-fastening means. No. 903,685; Nov. 10; Sp. p. 2312; Gaz. vol. 137; p. 406.
- De Celle, J. D., Fort Collins, Colo. Hoot-trimmer. No. 896,083; Aug. 18; Sp. p. 2616; Dr. p. 567; Gaz. vol. 135; p. 1371.
- De Clements, G. W., Kalamazoo, Mich., assignor of one-half to J. Salomon, Chicago, Ill. Car-fender. No. 894,194; July 28; Sp. p. 3802; Dr. p. 788; Gaz. vol. 135; p. 676.
- De Croupet, F. M. (See Brombacher, J., assignor.)
- De Fore, S. C., Kansas City, Mo., assignor to Standard Speedometer Company. Speed-indicating apparatus. No. 877,175; Jan. 21; Sp. p. 3084; Dr. p. 667; Gaz. vol. 132; p. 567.
- De Fore, S. C., Kansas City, Mo., assignor to Standard Speedometer Company. Speed-indicating device. No. 877,176; Jan. 21; Sp. p. 3085; Dr. p. 667; Gaz. vol. 132; p. 568.
- De Forest, C. M., New York, N. Y. Advertising device. No. 894,610; July 28; Sp. p. 4661; Dr. p. 968; Gaz. vol. 135; p. 813.
- De Forest, L., New York, N. Y., assignor to G. K. Woodworth, Boston, Mass. Wireless-telegraph transmitting system. No. 876,165; Jan. 7; Sp. p. 930; Dr. p. 200; Gaz. vol. 132; p. 158.
- De Forest, L., New York, N. Y., assignor to G. K. Woodworth, Boston, Mass. Magnetic detector. No. 877,069; Jan. 21; Sp. p. 2849; Dr. p. 615; Gaz. vol. 132; p. 531.
- De Forest, L., New York, N. Y., assignor, by mesne assignments, to De Forest Radio Telephone Co. Space telegraphy. No. 879,532; Feb. 18; Sp. p. 3363; Dr. p. 703; Gaz. vol. 132; p. 1458.
- De Forest, L., New York, N. Y., assignor to De Forest Radio Telephone Co. Electrode for electrolytic or liquid oscillation-detectors for wireless telegraphy. No. 894,317; July 28; Sp. p. 4066; Dr. p. 840; Gaz. vol. 135; p. 717.
- De Forest, L., New York, N. Y., assignor, by mesne assignments, to De Forest Radio Telephone Co. Aerophore. No. 894,318; July 28; Sp. p. 4071; Dr. p. 841; Gaz. vol. 135; p. 717.
- De Forest, L., New York, N. Y., assignor to De Forest Radio Telephone Company. Wireless signaling apparatus. No. 894,378; July 28; Sp. p. 4189; Dr. p. 864; Gaz. vol. 135; p. 736.
- De Forest, L. S., New Haven, Conn. Faucet. No. 900,152; Oct. 6; Sp. p. 170; Dr. p. 35; Gaz. vol. 136; p. 1100.
- De Forest Radio Telephone Co. (See De Forest, L., assignor.)
- De France, A. E., Toledo, Ohio. Switch-mounting. No. 892,410; July 7; Sp. p. 37; Dr. p. 10; Gaz. vol. 135; p. 10.
- De France, M. R., and A. E. Read, Bellevue, Pa. Trench-brace. No. 886,956; May 5; Sp. p. 1223; Dr. p. 260; Gaz. vol. 134; p. 204.
- De France, M. R., and A. E. Read, Bellevue, Pa. Trench-brace. No. 898,336; Sept. 8; Sp. p. 2210; Dr. p. 469; Gaz. vol. 136; p. 383.
- De Francis, I., New York, N. Y. Machine for conveying and distributing button-blanks. No. 901,893; Oct. 20; Sp. p. 3808; Dr. pp. 775-6; Gaz. vol. 136; p. 1731.
- De Frear, W., Albany, N. Y. Garment-hanger. No. 886,042; Apr. 28; Sp. p. 4909; Dr. p. 1032; Gaz. vol. 133; p. 2054.
- De Gette, J. E. (See Brzinsky and De Gette.)
- De Give, J. L. (See Sisk, F. M., assignor.)
- De Graw, F. A., Clifton Springs, N. Y. Loose-leaf binder. No. 884,134; Apr. 7; Sp. p. 937; Dr. p. 206; Gaz. vol. 133; p. 1344.
- De Graw, G. W., New Brighton, Pa. Rail-joint. No. 894,611; July 28; Sp. p. 4662; Dr. p. 968; Gaz. vol. 135; p. 813.
- De Groff, A. H., and A. A. Cummings, Little Genesee, N. Y. Nut-lock. No. 905,294; Dec. 1; Sp. p. 322; Gaz. vol. 137; p. 1039.

Alphabetical list of patentees—Continued.

- De Groot, H. B., and W. A. Kendrick, assignors of seven-sixteenths to H. Copperthite and C. E. Kendrick, Washington, D. C. Apparatus for signaling and communication to moving trains. No. 893,147; July 14; Sp. p. 1550; Dr. pp. 326-7; Gaz. vol. 135; p. 282.
- De Hayes, O. O., Detroit, Mich. Salt and pepper shaker. No. 903,548; Nov. 10; Sp. p. 2034; Gaz. vol. 137; p. 364.
- De Hymel, L. B., San Antonio, Tex. Pump. No. 907,132; Dec. 22; Sp. p. 3900; Gaz. vol. 137; p. 1724.
- De Joannis, H., Chicago, Ill. Playing-card pack. No. 886,130; Apr. 28; Sp. p. 5079; Dr. p. 1066; Gaz. vol. 133; p. 2082.
- De Jonge, C., and W. Nevers, Grand Rapids, Mich. Calciner. No. 907,575; Dec. 22; Sp. p. 4779; Gaz. vol. 137; p. 1872.
- De Julio, J., New York, N. Y., assignor to M. A. J. De Julio. Bridge for guitars. No. 897,964; Sept. 8; Sp. p. 1512; Dr. p. 321; Gaz. vol. 136; p. 267.
- De Julio, M. A. J. (See De Julio, J., assignor.)
- De Kaiser, I., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reel for coil-windings. No. 878,125; Feb. 4; Sp. p. 462; Dr. p. 98; Gaz. vol. 132; p. 924.
- De Kleist, E. (See Rohl, P. von, assignor.)
- De Kleist, E., North Tonawanda, N. Y. Pneumatic musical instrument. No. 877,203; Jan. 21; Sp. p. 3135; Dr. p. 680; Gaz. vol. 132; p. 577.
- De Kleist, E., North Tonawanda, N. Y. Organ. No. 884,094; Apr. 7; Sp. p. 859; Dr. p. 181; Gaz. vol. 133; p. 1330.
- De Kleist, E., North Tonawanda, N. Y. Expression device for pneumatic musical instruments. No. 887,199; May 12; Sp. p. 1689; Dr. p. 359; Gaz. vol. 134; p. 310.
- De Kleist, E., North Tonawanda, N. Y. Speed-regulator for automatic musical instruments. No. 889,466; June 2; Sp. p. 566; Dr. p. 132; Gaz. vol. 134; p. 1147.
- De Kleist, E., North Tonawanda, N. Y. Expression device for pneumatic musical instruments. No. 889,467; June 2; Sp. p. 569; Dr. p. 133; Gaz. vol. 134; p. 1147.
- De Kleist, E., and F. L. McCormick, North Tonawanda, N. Y.; said McCormick assignor to said De Kleist. Adjustable spool for music-sheets. No. 899,993; Sept. 29; Sp. p. 5493; Dr. p. 1170; Gaz. vol. 136; p. 1017.
- De la Harpe, C., assignor to Dye Works, formerly L. Durand, Huguenin & Co., Basel, Switzerland. Condensing gallocyanins with amines. No. 897,619; Sept. 1; Sp. p. 778; Gaz. vol. 136; p. 123.
- De la Harpe, C., and R. Burckhardt, assignors to Firm of Dye Works, formerly L. Durand, Huguenin & Co., Basel, Switzerland. Gallocyanin and making same. No. 898,040; Sept. 8; Sp. p. 1659; Gaz. vol. 136; p. 291.
- De la Harpe, C., and R. Burckhardt, assignors to Firm of Dye Works, formerly L. Durand, Huguenin & Co., Basel, Switzerland. Gallocyanin dye and making same. No. 898,842; Sept. 15; Sp. p. 3196; Gaz. vol. 136; p. 580.
- De la Harpe, C., K. Oswald, and E. Zehntner, assignors to Firm of Dye Works formerly L. Durand, Huguenin & Co., Basel, Switzerland. Condensation dye from gallocyanins and making same. No. 898,098; Sept. 8; Sp. p. 1769; Gaz. vol. 136; p. 309.
- De la Harpe, C., R. Burckhardt, and E. Zehntner, assignors to Firm of Dye Works formerly L. Durand, Huguenin & Co., Basel, Switzerland. Gallocyanin dye and making same. No. 898,039; Sept. 8; Sp. p. 1658; Gaz. vol. 136; p. 291.
- De la Mar, J., New York, assignor of one-half to S. Henry, Brooklyn, N. Y. Amusement device. No. 888,246; May 19; Sp. p. 3830; Dr. p. 804; Gaz. vol. 134; p. 685.
- De la Mar, J., New York, assignor of one-half to S. Henry, Brooklyn, N. Y. Free-carriage merry-go-round. No. 888,247; May 19; Sp. p. 3832; Dr. pp. 804-5; Gaz. vol. 134; p. 686.
- De la Matyr, E. B., Los Angeles, Cal. Window-sash fastener. No. 878,781; Feb. 11; Sp. p. 1882; Dr. p. 388; Gaz. vol. 132; p. 1176.
- De la Monte, C. H., Philadelphia, Pa. Spring motor mechanism. No. 897,111; Aug. 25; Sp. p. 4716; Dr. p. 1004; Gaz. vol. 135; p. 1728.
- De la Monte, C. H., Philadelphia, Pa., assignor to International Speed Register Co., New York, N. Y. Punch-shifting mechanism. No. 891,178; June 16; Sp. p. 4007; Dr. p. 879; Gaz. vol. 134; p. 1761.
- De La Vergne Machine Company. (See Doelling, L. K., assignor.)
- De La Vergne Machine Company. (See Goldingham, A. H., assignor.)
- De La Vergne Machine Company. (See Schmaltz, P., assignor.)
- De Lancy, D., and J. J. Buchanan, assignors to Waterbury Buckle Co., Waterbury, Conn. Garment-supporter clasp. No. 897,295; Sept. 1; Sp. p. 51; Dr. p. 12; Gaz. vol. 136; p. 12.
- De Laney, A. J. (See Reynolds, H. C., assignor.)
- De Laney, W. P., Jr., East Pittsburg, Pa. Barrel. No. 905,505; Dec. 1; Sp. p. 807; Gaz. vol. 137; p. 1111.
- De Lapp, L. L., Brookings, S. D. Shoe-cleaner. No. 899,515; Sept. 29; Sp. p. 4477; Dr. p. 961; Gaz. vol. 136; p. 861.
- De Lashmunt, W. J., Astoria, Oreg. Rule. No. 884,904; Apr. 14; Sp. p. 2519; Dr. p. 532; Gaz. vol. 133; p. 1623.
- De Laval Steam Turbine Company. (See Guy, A. E., assignor.)
- De Laval Steam Turbine Company. (See Salzer, R., assignor.)
- De Leeuw, A. L., Hamilton, assignor to Cincinnati Milling Machine Company, Cincinnati, Ohio. Locking mechanism for machine-tools. No. 889,768; June 2; Sp. p. 1123; Dr. p. 262; Gaz. vol. 134; p. 1241.
- De Leeuw, A. L., Hamilton, assignor to Cincinnati Milling Machine Company, Cincinnati, Ohio. Variable-speed mechanism. No. 905,506; Dec. 1; Sp. p. 808; Gaz. vol. 137; p. 1111.
- De Leeuw, A. L., Hamilton, assignor to Knecht Planer Company, Cincinnati, Ohio. Tool-feeding mechanism. No. 892,387; June 30; Sp. p. 6468; Dr. p. 1395; Gaz. vol. 134; p. 2223.
- De Léry, J. B., assignor to N. B. De Léry, New York, N. Y. Manufacture of cigars. No. 884,982; Apr. 14; Sp. p. 2680; Dr. p. 569; Gaz. vol. 133; p. 1646.
- De Léry, N. B. (See De Léry, J. B., assignor.)
- De Loach, A. A., Atlanta, Ga. Sawmill set-works. No. 899,159; Sept. 22; Sp. p. 3791; Dr. pp. 811-12; Gaz. vol. 136; p. 711.
- De Long, A. S., Shamokin, Pa. Music-rack. No. 898,843; Sept. 15; Sp. p. 3197; Dr. pp. 884-5; Gaz. vol. 136; p. 581.
- De Long, C. E., Shreveport, La., assignor to C. B. Norton Jewelry Company, Kansas City, Mo. Electroplating apparatus. No. 887,776; May 19; Sp. p. 2937; Dr. p. 618; Gaz. vol. 134; p. 533.
- De Long, E. L., Clearwater, Fla. Nozzle for irrigating systems. No. 883,527; Mar. 31; Sp. p. 6088; Dr. p. 1295; Gaz. vol. 133; p. 1118.
- De Long Hook and Eye Company. (See Cliff, I. S., assignor.)
- De Long, J. F., Bristow, Iowa. Truck. No. 880,015; Feb. 25; Sp. p. 4396; Dr. p. 923; Gaz. vol. 132; p. 1649.
- De Long, J. W., Ironton, Ohio, assignor of one-third to H. Ketterer, Russell, Ky. Safety means for locomotive turn-tables. No. 876,698; Jan. 14; Sp. p. 2089; Dr. p. 454; Gaz. vol. 132; p. 369.
- De Lutter, C. I., et al. (See Loudon, L. T., assignor.)
- De Marey, J. E., Bridgeport, Conn. Spur-center. No. 891,602; June 23; Sp. p. 4898; Dr. p. 1056; Gaz. vol. 134; p. 1932.
- De Marsh, C. (See Graves, W. E., assignor.)
- De Martino, J., assignor of seven-tenths to C. B. Davis and C. H. Kinley, Breesport, N. Y., and J. F. Burke, Pittsburg, Pa. Electric lamp. No. 876,922; Jan. 14; Sp. p. 2521; Dr. p. 551; Gaz. vol. 132; p. 441.
- De Mayo Coaling Company. (See De Mayo, L. A., assignor.)
- De Mayo, L. A., assignor to De Mayo Coaling Company, New York, N. Y. Apparatus for coaling vessels. No. 881,429; Mar. 10; Sp. p. 1866; Dr. p. 406; Gaz. vol. 133; p. 342.
- De Milt, D. G., Toledo, Ohio. Clothes-pole. No. 878,943; Feb. 11; Sp. p. 2184; Dr. p. 456; Gaz. vol. 132; p. 1226.
- De Moulin Bros. & Co. (See De Moulin, E., assignor.)
- De Moulin, E., Greenville, Ill. Trick-mirror. No. 905,295; Dec. 1; Sp. p. 323; Gaz. vol. 137; p. 1039.
- De Moulin, E., assignor to De Moulin Bros. & Co., Greenville, Ill. Trick-gun. No. 893,573; July 14; Sp. p. 2432; Dr. p. 506; Gaz. vol. 135; p. 420.
- De Moulin, E. and U. S., Greenville, Ill. Trick-telephone. No. 876,947; Jan. 21; Sp. p. 2594; Dr. p. 564; Gaz. vol. 132; p. 490.
- De Moulin, U. S. (See De Moulin, E. and U. S.)
- De Nise, G. R., Denver, Colo. Physical-culture apparatus. No. 902,946; Nov. 3; Sp. p. 832; Gaz. vol. 137; p. 138.
- De Nise, G. R., Denver, Colo. Stretching attachment for operating-tables. No. 902,947; Nov. 3; Sp. p. 836; Gaz. vol. 137; p. 138.
- De Nyse, W. H. (See Howland and De Nyse.)
- De Paemelaeere, A. and S., Gardena, Cal. Key-guard. No. 902,948; Nov. 3; Sp. p. 840; Gaz. vol. 137; p. 139.
- De Paemelaeere, S. (See De Paemelaeere, A. and S.)
- De Paris, F., Montreal, Quebec, Canada. Registering device. No. 897,725; Sept. 1; Sp. p. 979; Dr. pp. 208-9; Gaz. vol. 136; p. 157.
- De Reamer, F. C. (See Weston and De Reamer.)
- De Reamer, F. C., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 897,525; Sept. 1; Sp. p. 588; Dr. p. 122; Gaz. vol. 136; p. 92.
- De Remer, J. R., Glenwood Springs, Colo. Gate-valve. No. 876,625; Jan. 14; Sp. p. 1939; Dr. p. 423; Gaz. vol. 132; p. 345.
- De Remer, J. R., Glenwood Springs, Colo. Water-wheel. No. 883,528; Mar. 31; Sp. p. 6089; Dr. p. 1295; Gaz. vol. 133; p. 1118.
- De Remer, R. P., assignor of one-half to A. T. Gerrans, Houma, La. Car-stanchion. No. 879,128; Feb. 11; Sp. p. 2546; Dr. p. 529; Gaz. vol. 132; p. 1283.
- De Remer, R. P., assignor of one-half to A. T. Gerrans, Houma, La. Woodworking-machine. No. 890,583; June 9; Sp. p. 2786; Dr. p. 615; Gaz. vol. 134; p. 1536.
- De Spain, J. J., St. Joseph, Mo. Sweeping-machine. No. 907,755; Dec. 29; Sp. p. 5210; Gaz. vol. 137; p. 1962.
- De Tray, F. E., et al. (See De Tray, F. W., assignor.)

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- De Tray, F. W., Aurora, assignor of three-fourths to H. Battisfore, H. C. Osterman, and F. H. De Tray, Chicago, Ill. Nut-lock. No. 907,473; Dec. 22; Sp. p. 4601; Gaz. vol. 137; p. 1840.
- De Vale, E. L., New York, N. Y. Paring attachment for knives. No. 879,857; Feb. 25; Sp. p. 4074; Dr. p. 853; Gaz. vol. 132; p. 1597.
- De Vere, J., Blackburn, and J. Whitehead, Clitheroe, England. Wheel for vehicles. No. 896,629; Aug. 18; Sp. p. 3666; Dr. p. 787; Gaz. vol. 135; p. 1544.
- De Veuille, F. H., Handsworth, Birmingham, assignor to E. M. Bowden's Patents Syndicate, Limited, London, England. Gradually-variable speed-gear for cycles and the like. No. 886,356; May 5; Sp. p. 31; Dr. p. 7; Gaz. vol. 134; p. 8.
- De Vilbiss, A., Jr., Toledo, assignor of five-sixths to J. F. Pixley, A. S. Wells, and M. S. Park, Columbus, Ohio. Vertical lock. No. 879,371; Feb. 18; Sp. p. 3023; Dr. pp. 630-1; Gaz. vol. 132; p. 1405.
- De Vilbiss, J. A., St. Louis, Mo. Educational device. No. 892,715; July 7; Sp. p. 636; Dr. p. 135; Gaz. vol. 135; p. 110.
- De Vilbiss Manufacturing Company. (See De Vilbiss, T. A., assignor.)
- De Vilbiss, T. A., assignor to De Vilbiss Manufacturing Company, Toledo, Ohio. Cap for atomizer-bottles or the like. No. 898,845; Sept. 15; Sp. p. 3198; Dr. p. 685; Gaz. vol. 136; p. 581.
- De Vilbiss, T. A., assignor to De Vilbiss Manufacturing Company Toledo, Ohio. Atomizer. No. 899,007; Sept. 15; Sp. p. 3484; Dr. p. 747; Gaz. vol. 136; p. 634.
- De Vilbiss, T. A., assignor to De Vilbiss Manufacturing Company, Toledo, Ohio. Invertible atomizer. No. 904,515; Nov. 24; Sp. p. 4079; Gaz. vol. 137; p. 744.
- De Vilbiss, T. A., assignor to De Vilbiss Manufacturing Company, Toledo, Ohio. Spray-head for atomizers. No. 905,296; Dec. 1; Sp. p. 325; Gaz. vol. 137; p. 1040.
- De Vito, J. A., Boston, Mass. Automatic dish-washer. No. 880,637; Mar. 3; Sp. p. 299; Dr. p. 66; Gaz. vol. 133; p. 52.
- De Vlieger, E., Brussels, Belgium. Automatic coupling. No. 884,801; Apr. 14; Sp. p. 2333; Dr. p. 491; Gaz. vol. 133; p. 1591.
- De Vries, P. J., Hull, Iowa. Lace-curtain stretcher. No. 905,059; Nov. 24; Sp. p. 5189; Gaz. vol. 137; p. 926.
- De Waldo, A. G., Warren, Ohio. Washboard. No. 878,782; Feb. 11; Sp. p. 1883; Dr. p. 388; Gaz. vol. 132; p. 1176.
- De Weese, H. C., Portland, Oreg. Automatic vehicle box and frame lift. No. 905,154; Dec. 1; Sp. p. 58; Gaz. vol. 137; p. 993.
- De Wein, G. F., assignor to Allis-Chalmers Company, Milwaukee, Wis. Roasting-furnace. No. 899,591; Sept. 29; Sp. p. 4642; Dr. p. 996; Gaz. vol. 136; p. 888.
- De Wind, N., and F. R. Jones, Harvey, assignors to Austin Manufacturing Company, Chicago, Ill. Gasolene road-roller. No. 885,984; Apr. 28; Sp. p. 4780; Dr. pp. 1004-5; Gaz. vol. 133; p. 2035.
- De Witt, C. C., assignor of one-half to F. L. Aymond, St. Louis, Mo. Compressed-air-cushion block. No. 886,193; Apr. 28; Sp. p. 5185; Dr. p. 1091; Gaz. vol. 133; p. 2103.
- De Witt, J. M., assignor of one-fourth to W. C. Johnston, Bloomsburg, Pa. Appliance to prevent railway-track rails from spreading. No. 886,315; Apr. 28; Sp. p. 5430; Dr. p. 1138; Gaz. vol. 133; p. 2145.
- De Witt, W. B., Jacksonville, Fla. Folding bed. No. 896,277; Aug. 18; Sp. p. 2962; Dr. p. 638; Gaz. vol. 135; p. 1432.
- De Witt, W. B., Jacksonville, Fla. Mail-bag-delivery apparatus. No. 898,846; Sept. 15; Sp. p. 3199; Dr. pp. 685-6; Gaz. vol. 136; p. 581.
- De Wolf, J. O., Cambridge, Mass. Apparatus for making printing-plates. No. 884,369; Apr. 14; Sp. p. 1428; Dr. p. 305; Gaz. vol. 133; p. 1449.
- De Wolf, J. O., Cambridge, Mass. Making metallic printing-plates. No. 905,155; Dec. 1; Sp. p. 60; Gaz. vol. 137; p. 993.
- De Worth, W. T., Bordentown, N. J. Hose-clamp. No. 890,414; June 9; Sp. p. 2460; Dr. p. 544; Gaz. vol. 134; p. 1480.
- De Worth, W. T., Bordentown, N. J. Hose-coupling. No. 902,806; Nov. 3; Sp. p. 526; Gaz. vol. 137; p. 92.
- De Young, J., South Holland, Ill. Twine-cutter. No. 897,275; Sept. 1; Sp. p. 25; Dr. p. 6; Gaz. vol. 136; p. 7.
- De Young, T., Jr., South Holland, Ill. Mechanism for cleaning excavator-buckets. No. 875,789; Jan. 7; Sp. p. 217; Dr. p. 47; Gaz. vol. 132; p. 40.
- De Young, T., Jr., South Holland, Ill. Machine for laying pipe in trenches. No. 895,439; Aug. 11; Sp. p. 1328; Dr. p. 279; Gaz. vol. 135; p. 1138.
- De Zeng, H. L., Philadelphia, Pa., assignor to De Zeng-Standard Company. Lens system for measuring the refraction of the eye. No. 886,770; May 5; Sp. p. 898; Dr. p. 186; Gaz. vol. 134; p. 148.
- De Zeng, H. L., assignor to De Zeng-Standard Company, Philadelphia, Pa. Ophthalmoscope. No. 887,032; May 5; Sp. p. 1376; Dr. p. 292; Gaz. vol. 134; p. 229.
- De Zeng-Standard Company. (See De Zeng, H. L., assignor.)
- Deacon, C. (See Howard, O., assignor.)
- Deacon, W. T. (See James and Deacon.)
- Deagan, J. C., Chicago, Ill. Musical bell. No. 890,341; June 9; Sp. p. 2328; Dr. p. 513; Gaz. vol. 134; p. 1458.
- Deal, J. F., Tilton, Ga. Cultivator. No. 886,190; Apr. 28; Sp. p. 5179; Dr. p. 1091; Gaz. vol. 133; p. 2101.
- Deal, J. F., Canton, Ohio. Combination-padlock. No. 892,941; July 7; Sp. p. 1113; Dr. p. 234; Gaz. vol. 135; p. 185.
- Deal, S. F. (See Ross and Deal.)
- Dean, A. F., Chicago, Ill. Indexed book. No. 882,816; Mar. 24; Sp. p. 4617; Dr. pp. 984-5; Gaz. vol. 133; p. 856.
- Dean, C. R., Glen Elder, Kans. Cultivator. No. 881,778; Mar. 10; Sp. p. 2543; Dr. p. 547; Gaz. vol. 133; p. 454.
- Dean, D. A., assignor of one-half to G. J. McQuain, Weston, W. Va. Air-brake system for railway-cars. No. 904,412; Nov. 17; Sp. p. 3840; Gaz. vol. 137; p. 683.
- Dean, E. G. (See Andersen and Dean.)
- Dean, E. P., Ashland, Ohio. Blackboard-eraser. No. 890,342; June 9; Sp. p. 2330; Dr. p. 514; Gaz. vol. 134; p. 1458.
- Dean Electric Company. (See Beyland, S. A., assignor.)
- Dean Electric Company. (See Brackett, E. W., assignor.)
- Dean Electric Company. (See Brockway, B. B., assignor.)
- Dean Electric Company. (See Dean, W. W., assignor.)
- Dean Electric Company. (See Goodrum, C. L., assignor.)
- Dean Electric Company. (See Hobbs, E. R., assignor.) (Reissue.)
- Dean Electric Company. (See Manson, R. H., assignor.)
- Dean Electric Company. (See Slough, F. M., assignor.)
- Dean, G. R., Chicago, Ill. Power-transmitting device. No. 892,714; July 7; Sp. p. 634; Dr. p. 134; Gaz. vol. 135; p. 110.
- Dean, H. S., London, England. Garment. No. 891,527; June 23; Sp. p. 4754; Dr. p. 1029; Gaz. vol. 134; p. 1910.
- Dean, J. K., Girard, Pa. Stay for garments and the like. No. 901,426; Oct. 20; Sp. p. 2846; Dr. p. 581; Gaz. vol. 136; p. 1579.
- Dean, R. E., Mason City, Iowa. Steam-engine. No. 883,866; Apr. 7; Sp. p. 398; Dr. pp. 77-8; Gaz. vol. 133; p. 1254.
- Dean, S., Lowell, Mass. Stop-motion for spinning and twisting machines. No. 892,982; July 14; Sp. p. 1199; Dr. p. 253; Gaz. vol. 135; p. 228.
- Dean, W. (See Hodgson, E. G., assignor.)
- Dean, W. W., assignor to Dean Electric Company, Elyria, Ohio. Telephone-transmitter. No. 878,192; Feb. 4; Sp. p. 622; Dr. p. 128; Gaz. vol. 132; p. 947.
- Dean, W. W., assignor to Dean Electric Company, Elyria, Ohio. Call-register for telephone systems. No. 887,233; May 12; Sp. p. 1784; Dr. p. 375; Gaz. vol. 134; p. 321.
- Dean, W. W., assignor to Dean Electric Company, Elyria, Ohio. Telephone-exchange system. No. 900,489; Oct. 6; Sp. p. 880; Dr. pp. 180-1; Gaz. vol. 136; p. 1209.
- Dean, W. W., assignor to Dean Electric Company, Elyria, Ohio. Telephone-transmitter. No. 907,975; Dec. 29; Sp. p. 5667; Gaz. vol. 137; p. 2034.
- Dean, W. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 877,058; Jan. 21; Sp. p. 2833; Dr. p. 612; Gaz. vol. 132; p. 528.
- Dean, W. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Party-line telephone system. No. 878,779; Feb. 11; Sp. p. 1876; Dr. p. 387; Gaz. vol. 132; p. 1175.
- Dean, W. W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Divided-central telephone system. No. 883,093; Mar. 24; Sp. p. 5161; Dr. p. 1102; Gaz. vol. 133; p. 946.
- Dean, W. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 887,071; May 12; Sp. p. 1467; Dr. p. 311; Gaz. vol. 134; p. 270.
- Dean, W. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Incandescent lamp. No. 894,193; July 28; Sp. p. 3801; Dr. p. 787; Gaz. vol. 135; p. 675.
- Dean, W. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 895,166; Aug. 4; Sp. p. 774; Dr. p. 162; Gaz. vol. 135; p. 1023.
- Dean, W. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 897,723; Sept. 1; Sp. p. 974; Dr. p. 208; Gaz. vol. 136; p. 157.
- Dean, W. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Supervisory system for telephone-lines. No. 898,195; Sept. 8; Sp. p. 1954; Dr. p. 417; Gaz. vol. 136; p. 339.

Alphabetical list of patentees—Continued..

- Dean, W. W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system. No. 903,547; Nov. 10; Sp. p. 2031; Gaz. vol. 137; p. 363.
- Dean, W. W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Testing system for telephone-lines. No. 905,854; Dec. 8; Sp. p. 1470; Gaz. vol. 137; p. 1254.
- Dean, W. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 906,513; Dec. 15; Sp. p. 2717; Gaz. vol. 137; p. 1493.
- Dean, W. W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system. No. 907,224; Dec. 22; Sp. p. 4091; Gaz. vol. 137; p. 1754.
- Dean, W. W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Testing system for telephone-lines. No. 907,751; Dec. 29; Sp. p. 5199; Gaz. vol. 137; p. 1960.
- Dean, W. W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system. No. 908,213; Dec. 29; Sp. p. 6180; Gaz. vol. 137; p. 2114.
- Deane, A. L., Fullerton, N. D. Colter attachment for plows. No. 907,013; Dec. 15; Sp. p. 3647; Gaz. vol. 137; p. 1640.
- Deane, E. S., *et al.*, executors. (See Deane and Shields.)
- Deane, R. E., deceased, and C. W. Shields, New York, N. Y.; E. S. Deane, R. M. Morgan, and G. W. Wheeler, executors. Egg-boiler. No. 896,806; Aug. 25; Sp. p. 4060; Dr. p. 873; Gaz. vol. 135; p. 1626.
- Dear, A. V., Malvern, Victoria, assignor of one-half to D. P. Dear, Wollongong, Australia. Dental articulator. No. 882,375; Mar. 17; Sp. p. 3763; Dr. p. 802; Gaz. vol. 133; p. 678.
- Dear, D. F. (See Dear, A. V., assignor.)
- Dearborn, C. A., New York, N. Y., assignor, by mesne assignments, to Empire Machine Company, Providence, R. I. Sewing-machine. No. 894,819; Aug. 4; Sp. p. 33; Dr. pp. 7-8; Gaz. vol. 135; p. 906.
- Deardurff, C. D., and B. L. McDonough, Newark, Ohio. Railway-signal. No. 883,940; Apr. 7; Sp. p. 546; Dr. pp. 108-9; Gaz. vol. 133; p. 1280.
- Dearing, D. M., Jackson, Mich. Variable-speed power-transmission device. No. 886,191; Apr. 28; Sp. p. 5180; Dr. p. 1091; Gaz. vol. 133; p. 2102.
- Dearing, J. F., Sutter county, Cal. Rolling pulverizer. No. 895,731; Aug. 11; Sp. p. 1919; Dr. p. 407; Gaz. vol. 135; p. 1234.
- Dearllove, J. A. L., London, England. Apparatus for transmitting and reproducing sounds. No. 895,978; Aug. 11; Sp. p. 2413; Dr. p. 515; Gaz. vol. 135; p. 1313.
- Deason, A. E., assignor of one-fourth to C. D. Hill, Poteau, Okla. Wrench. No. 877,763; Jan. 28; Sp. p. 4235; Dr. p. 919; Gaz. vol. 132; p. 778.
- Deasy, T., San Francisco, Cal. Duplex testing-plug. No. 888,146; May 19; Sp. p. 3648; Dr. p. 764; Gaz. vol. 134; p. 652.
- Deatherage, I. (See Silger and Deatherage.)
- Debacher, R. R., Hoboken, N. J. Frame for mirrors, brushes, pictures, and the like. No. 883,094; Mar. 24; Sp. p. 5165; Dr. p. 1103; Gaz. vol. 133; p. 946.
- Debacher, R. R., Hoboken, N. J. Frame for mirrors brushes, and the like. No. 884,078; Apr. 7; Sp. p. 822; Dr. p. 173; Gaz. vol. 133; p. 1325.
- Debauche, H. J., Gilly, Belgium. Brake-gear for winding machinery. No. 900,671; Oct. 6; Sp. p. 1284; Dr. p. 262; Gaz. vol. 136; p. 1270.
- Deberrier, J., Reignier, France. Machine for filling and closing bottles. No. 898,563; Sept. 15; Sp. p. 2672; Dr. p. 571; Gaz. vol. 136; p. 490.
- Dech, F., assignor of one-half to H. G. Rolipiller, West Orange, N. J. Horseshoe. No. 900,268; Oct. 6; Sp. p. 425; Dr. p. 87; Gaz. vol. 136; p. 1138.
- Decies, M. G., Slough, England. Hair-curler. No. 905,799; Dec. 1; Sp. p. 1352; Gaz. vol. 137; p. 1206.
- Deck, H. C. (See Moore and Deck.)
- Deckelmann, O. J., assignor to H. R. Wright and J. C. Dawson, St. Louis, Mo. Index-tab. No. 906,864; Dec. 15; Sp. p. 3387; Gaz. vol. 137; p. 1603.
- Decker, A. C., Keokuk, Iowa. Bull-ring. No. 877,634; Jan. 28; Sp. p. 4001; Dr. p. 864; Gaz. vol. 132; p. 738.
- Decker, A. F., Evansville, Ind., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 897,272; Sept. 1, Sp. p. 20; Dr. pp. 5-6; Gaz. vol. 136; p. 6.
- Decker, E. S., Malden, and G. H. Gibby, Boston, Mass. Hot-water heater. No. 878,780; Feb. 11; Sp. p. 1880; Dr. p. 387; Gaz. vol. 132; p. 1175.
- Decker Electrical Manufacturing Company. (See Decker, F. A., assignor.)
- Decker, F., *et al.* (See Hanses, F., assignor.)
- Decker, F. A., Philadelphia, Pa., assignor, by mesne assignments, to Decker Electrical Manufacturing Company, Wilmington, Del. Battery. No. 880,196; Feb. 25; Sp. p. 4751; Dr. p. 1007; Gaz. vol. 132; p. 1708.
- Decker, F. A., Philadelphia, Pa., assignor, by mesne assignments, to Decker Electrical Manufacturing Company, Wilmington, Del. Battery. No. 880,367; Feb. 25; Sp. p. 5088; Dr. pp. 1075-6; Gaz. vol. 132; p. 1764.
- Decker, F. A., Philadelphia, Pa., assignor, by mesne assignments, to Decker Electrical Manufacturing Company, Wilmington, Del. Battery. No. 880,368; Feb. 25; Sp. p. 5089; Dr. p. 1076; Gaz. vol. 132; p. 1765.
- Decker, F. A., Philadelphia, Pa., assignor, by mesne assignments, to Decker Electrical Manufacturing Company, Wilmington, Del. Construction of batteries and electrolytic apparatus. No. 895,732; Aug. 11; Sp. p. 1920; Dr. p. 407; Gaz. vol. 135; p. 1234.
- Decker, H. L., El Paso, Tex. Planissimo device. No. 884,903; Apr. 14; Sp. p. 2518; Dr. p. 532; Gaz. vol. 133; p. 1622.
- Decker, H. P., *et al.* (See Hanses, F., assignor.)
- Decker, H. R., Houston, Tex. Oil and water well strainer. No. 880,635; Mar. 3; Sp. p. 297; Dr. p. 65; Gaz. vol. 133; p. 52.
- Decker, H. R., Houston, Tex. Well-drilling machinery. No. 887,775; May 19; Sp. p. 2935; Dr. pp. 617-18; Gaz. vol. 134; p. 532.
- Decker, H. R., Houston, Tex. Well-drilling machinery. No. 889,110; May 26; Sp. p. 5623; Dr. pp. 1190-1; Gaz. vol. 134; p. 999.
- Decker, H. R., Houston, Tex. Well-drilling machinery. No. 892,409; July 7; Sp. p. 36; Dr. p. 10; Gaz. vol. 135; p. 10.
- Decker, H. R., Houston, Tex. Oil and water well strainer. No. 895,733; Aug. 11; Sp. p. 1922; Dr. p. 407; Gaz. vol. 135; p. 1234.
- Decker, H. R., Houston, Tex. Drill-stem clamp for rotary drilling-machines. No. 899,208; Sept. 22; Sp. p. 3887; Dr. p. 830; Gaz. vol. 136; p. 728.
- Decker, M., Chicago, Ill., and M. H. Matty, Clayton, N. Y. Cream-separator. No. 880,866; Mar. 3; Sp. p. 784; Dr. p. 166; Gaz. vol. 133; p. 131.
- Decker, R. (See Butler and Decker.)
- Decker, W. W., Minneapolis, Minn. Draft-timber reinforcement. No. 905,152; Dec. 1; Sp. p. 55; Gaz. vol. 137; p. 992.
- Dederick, P. K., Albany, N. Y. Baling-press. No. 891,329; June 23; Sp. p. 4344; Dr. p. 947; Gaz. vol. 134; p. 1844.
- Dee, A. C., Cincinnati, Ohio. Machine for stretching and pressing lace and similar fabrics. No. 878,712; Feb. 11; Sp. p. 1746; Dr. p. 361; Gaz. vol. 132; p. 1153.
- Deeds, W. S., assignor of one-half to J. M. Graham, Pittsburg, Pa. Electric controller. No. 907,752; Dec. 29; Sp. p. 5202; Gaz. vol. 137; p. 1960.
- Deeg, C., assignor of two-thirds to P. Weiler and C. H. Fix, Madison, Wis. Concrete sidewalk-block. No. 880,066; Feb. 25; Sp. p. 4505; Dr. p. 947; Gaz. vol. 132; p. 1665.
- Deeley, J. S., deceased, (R. E. Deeley, Bellingham, administratrix,) and W. W. Ollendorf, assignors, by mesne assignments, to W. W. Ollendorf, West Medway, Mass. Drawing-roll cleaner for spinning-frames. No. 882,931; Mar. 24; Sp. p. 4865; Dr. p. 1033; Gaz. vol. 133; p. 894.
- Deeley, M. J., and A. E. Quinlan, Sheboygan Falls, Wis. Gearing. No. 875,898; Jan. 7; Sp. p. 417; Dr. p. 93; Gaz. vol. 132; p. 76.
- Deeley, R. E., administratrix. (See Deeley and Ollendorf.)
- Deem, M. M., assignor of one-half to Reading Saddle & Manufacturing Company, Reading, Pa. Bicycle-saddle spring. No. 881,381; Mar. 10; Sp. p. 1784; Dr. p. 385; Gaz. vol. 133; p. 327.
- Deemer, J. M., New York, N. Y. Bottle and sealing-cap. No. 885,734; Apr. 28; Sp. p. 4253; Dr. p. 890; Gaz. vol. 133; p. 1952.
- Deemer, W. M. (See Riley, M., assignor.)
- Deems, C. M., Indianapolis, Ind., assignor to S. W. Putnam, 3d, Fitchburg, Mass. Work-holder. No. 901,595; Oct. 20; Sp. p. 3203; Dr. p. 656; Gaz. vol. 136; p. 1635.
- Deen, I. J. (See Messer and Deen.)
- Deere & Company. (See Melvin, C. H., assignor.)
- Dees, M. A., St. Louis, Mo. Alternating mechanism for operating railway-switches or other devices. No. 899,032; Sept. 22; Sp. p. 3544; Dr. p. 758; Gaz. vol. 136; p. 670.
- Deevy, P., Melrose, Iowa. Adjustable sole-plate for plows. No. 880,636; Mar. 3; Sp. p. 298; Dr. p. 66; Gaz. vol. 133; p. 52.
- Defield, C. S. (See Aycock, C. B., assignor.)
- Defield, F. C., *et al.* (See Crepar, T. M., assignor.)
- Defrees, M. M., Indianapolis, Ind. Grader. No. 891,916; June 30; Sp. p. 5565; Dr. p. 1199; Gaz. vol. 134; p. 2071.
- Defrees, M. M., Indianapolis, Ind. Excavating apparatus. No. 905,153; Dec. 1; Sp. p. 56; Gaz. vol. 137; p. 992.
- Defries, W. (See Thwaite and Defries.)
- Defragné, E., Limoilou, Quebec, Canada. Sounding device for vessels. No. 900,834; Oct. 13; Sp. p. 1632; Dr. p. 330; Gaz. vol. 136; p. 1351.
- Degen & Kuth, Firm of Dr. (See Scherpe, H., assignor.)

Alphabetical list of patentees—Continued.

- Degener, H., Berlin, Germany. Spacer for type-setting and line-casting machines. No. 886,583; May 5; Sp. p. 470; Dr. p. 100; Gaz. vol. 134; p. 86.
- Degener, F. A., assignor to Dempsey Degener Company, Pittsburg, Pa. Haulage system. No. 904,514; Nov. 24; Sp. p. 4078; Gaz. vol. 137; p. 744.
- Degenhardt, F. and R., New York, N. Y. Cash-register. No. 876,776; Jan. 14; Sp. p. 2214; Dr. pp. 486-7; Gaz. vol. 132; p. 393.
- Degenhardt, R. (See Degenhardt, F. and R.)
- Degenhart, W. (See Delaney, M. G., assignor.)
- Dehler, A. S., Minneapolis, Minn. Jack. No. 881,556; Mar. 10; Sp. p. 2112; Dr. p. 461; Gaz. vol. 133; p. 384.
- Dehls, R., Jersey City, N. J. Game-board. No. 885,588; Apr. 21; Sp. p. 3940; Dr. p. 823; Gaz. vol. 133; p. 1874.
- Dehls & Stein. (See Stein, B., assignor.)
- Dehn, G. J., Freeport, Ill. Apparatus for cleaning water-heaters. No. 878,280; Feb. 4; Sp. p. 792; Dr. p. 158; Gaz. vol. 132; p. 976.
- Dehne, F., Halle, Germany. Pump-kettle. No. 880,412; June 9; Sp. p. 2457; Dr. p. 544; Gaz. vol. 134; p. 1474.
- Dehnel, E. (See Stiegelmann and Dehnel.)
- Deichmann & Cie. (See Oertel, A., assignor.)
- Deicke, B. (See Schirmacher and Deicke.)
- Deidrick, H. W., East Liverpool, Ohio. Diaphragm for printing and decorating irregular surfaces. No. 887,315; May 12; Sp. p. 2008; Dr. p. 421; Gaz. vol. 134; p. 351.
- Deihl, S. H., Altoona, Pa. Railway-tie. No. 888,317; May 19; Sp. p. 3963; Dr. p. 834; Gaz. vol. 134; p. 708.
- Deiner, F. F., New York, N. Y. Attachment for garments. No. 895,979; Aug. 11; Sp. p. 2415; Dr. p. 515; Gaz. vol. 135; p. 1313.
- Deinet, J., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Green anthracene dye. No. 893,837; July 21; Sp. p. 3055; Gaz. vol. 135; p. 539.
- Deinzer, F. C., Monroe, Mich. Filing-case. No. 903,180; Nov. 10; Sp. p. 1294; Gaz. vol. 137; p. 242.
- Deister Concentrator Company. (See Deister, E., assignor.)
- Deister, E., Fort Wayne, Ind., assignor to Deister Concentrator Company. Feeding device for ore-concentrators. No. 895,075; Aug. 4; Sp. p. 596; Dr. p. 124; Gaz. vol. 135; p. 993.
- Deister, E., Fort Wayne, Ind., assignor to Deister Concentrator Company. Ore-concentrator. No. 895,167; Aug. 4; Sp. p. 776; Dr. p. 162; Gaz. vol. 135; p. 1023.
- Deister, E., Fort Wayne, Ind., assignor to Deister Concentrator Company. Ore-concentrating table. No. 895,168; Aug. 4; Sp. p. 779; Dr. p. 163; Gaz. vol. 135; p. 1024.
- Deister, E., Fort Wayne, Ind., assignor to Deister Concentrator Company. Ore-concentrator. No. 895,169; Aug. 4; Sp. p. 780; Dr. p. 163; Gaz. vol. 135; p. 1024.
- Deister, E., Fort Wayne, Ind., assignor to Deister Concentrator Company. Ore-concentrator. No. 895,170; Aug. 4; Sp. p. 783; Dr. p. 163; Gaz. vol. 135; p. 1025.
- Deister, E., Fort Wayne, Ind., assignor to Deister Concentrator Company. Ore-concentrating table. No. 895,734; Aug. 11; Sp. p. 1923; Dr. p. 408; Gaz. vol. 135; p. 1235.
- Deiter, J. H. (See Robinson and Deiter.)
- Deitsch Brothers. (See Slatery, W. H., assignor.)
- Dejonge, M. E., Fitchburg, Mass. Conveyor for drying-boxes. No. 883,453; Mar. 31; Sp. p. 5946; Dr. p. 1268; Gaz. vol. 133; p. 1096.
- Dejonge, M. E., Fitchburg, Mass. Drying-box. No. 895,620; Aug. 11; Sp. p. 1691; Dr. pp. 357-8; Gaz. vol. 135; p. 1497.
- Dejung, G. A., Cameron, Wis. Animal-trap. No. 880,413; June 9; Sp. p. 2458; Dr. p. 544; Gaz. vol. 134; p. 1479.
- Deken, H. B., St. Louis, Mo. Bottle attachment. No. 907,576; Dec. 22; Sp. p. 4780; Gaz. vol. 137; p. 1872.
- Deknatel, F. H. (See Spruce and Deknatel.)
- Del Gaudio, P., New York, N. Y. Electrolytic irrigator. No. 878,361; Feb. 4; Sp. p. 952; Dr. p. 190; Gaz. vol. 132; p. 1003.
- Del Grande, N., Petersburg, Va. Pyrotechnic device. No. 885,689; Apr. 21; Sp. p. 4144; Dr. p. 867; Gaz. vol. 133; p. 1907.
- Del Mar, H., New York, N. Y., assignor to Boilers and Engineering Company, Jersey City, N. J. Steam-generator. No. 878,942; Feb. 11; Sp. p. 2182; Dr. p. 456; Gaz. vol. 132; p. 1226.
- Del Mar, H., New York, N. Y., assignor to Boilers and Engineering Company, Jersey City, N. J. Steam-generator. No. 883,095; Mar. 24; Sp. p. 5166; Dr. p. 1103; Gaz. vol. 133; p. 947.
- Del Mar, H., New York, N. Y., assignor to Boilers and Engineering Company, Jersey City, N. J. Manhole-cover. No. 883,096; Mar. 24; Sp. p. 5167; Dr. p. 1103; Gaz. vol. 133; p. 947.
- Del Mar, H., New York, N. Y., assignor to Boilers and Engineering Company, Jersey City, N. J. Sectional water-tube steam-boiler. No. 888,789; May 26; Sp. p. 4965; Dr. p. 1059; Gaz. vol. 134; p. 895.
- Delacroix, R. J. A., Besançon, France. Driving-gear for velocipedes. No. 885,982; Apr. 28; Sp. p. 4775; Dr. p. 1003; Gaz. vol. 133; p. 2034.
- Delamere, H. S., Ferndale, Cal. Insecticide. No. 897,197; Aug. 25; Sp. p. 4869; Gaz. vol. 135; p. 1754.
- Delaney, J. P., Green Bay, Wis. Dumping-box. No. 892,140; June 30; Sp. p. 5993; Dr. p. 1288; Gaz. vol. 134; p. 2142.
- Delaney, J. S. (See Robertson and Delaney.)
- Delaney, M. A., New York, N. Y. Leading device. No. 887,072; May 12; Sp. p. 1471; Dr. p. 311; Gaz. vol. 134; p. 271.
- Delaney, M. G., Detroit, Mich., assignor to W. Degenhart, Buffalo, N. Y. Trolley-catcher. No. 897,273; Sept. 1; Sp. p. 22; Dr. p. 6; Gaz. vol. 136; p. 6.
- Delaney, W. R., New York, N. Y. Reel for ruching, veiling, and like fabrics. No. 889,512; June 2; Sp. p. 644; Dr. p. 150; Gaz. vol. 134; p. 1160.
- Delano, F. A., Chicago, Ill. Making expanded sheet metal. No. 891,822; June 30; Sp. p. 5348; Dr. p. 1165; Gaz. vol. 134; p. 2040.
- Delany, C. B., Columbus, Ohio. Pneumatic chuck. No. 895,438; Aug. 11; Sp. p. 1327; Dr. p. 279; Gaz. vol. 135; p. 1138.
- Delany, J. H., Berwyn, Ill., assignor to Electric Controller & Supply Company, Cleveland, Ohio. Electric heater and rheostat. No. 886,682; May 5; Sp. p. 687; Dr. p. 142; Gaz. vol. 134; p. 117.
- Delany, P. B., South Orange, N. J. Telegraphy. No. 877,555; Jan. 28; Sp. p. 3850; Dr. p. 833; Gaz. vol. 132; p. 712.
- Delany, P. B., South Orange, N. J. Telegraphic transmitter. No. 877,914; Feb. 4; Sp. p. 39; Dr. p. 8; Gaz. vol. 132; p. 855.
- Delany, P. B., South Orange, N. J. Telegraphic transmitter. No. 877,915; Feb. 4; Sp. p. 41; Dr. p. 8; Gaz. vol. 132; p. 855.
- Delany, P. B., South Orange, N. J. Telegraphy. No. 894,820; Aug. 4; Sp. p. 41; Dr. pp. 8-9; Gaz. vol. 135; p. 907.
- Delany, P. B., South Orange, N. J., assignor, by mesne assignments, to Telepost Company of Maine. Automatic telegraphy. No. 899,209; Sept. 22; Sp. p. 3888; Dr. pp. 830-1; Gaz. vol. 136; p. 728.
- Delany, P. B., South Orange, N. J., assignor, by mesne assignments, to Telepost Company of Maine, Augusta, Me. Perforator for preparing telegraphic transmitting-tapes. No. 906,618; Dec. 15; Sp. p. 2900; Gaz. vol. 137; p. 1525.
- Delashaw, W. G., Moulton, Ala. Hand-positioning device for penmen. No. 880,510; Mar. 3; Sp. p. 35; Dr. p. 8; Gaz. vol. 133; p. 9.
- Delasson, E. (See Michaud and Delasson.)
- Delaunay-Belleville, L. M. G., Paris, assignor to Société Anonyme des Automobiles Delaunay-Belleville, St. Denis, Seine, France. Automobile. No. 879,027; Feb. 11; Sp. p. 2329; Dr. p. 488; Gaz. vol. 132; p. 1252.
- Delaunay-Belleville, L. M. G., Paris, assignor to Société Anonyme des Automobiles Delaunay-Belleville, St. Denis, Paris, France. Automatic carburetor for explosive-motors. No. 888,965; May 26; Sp. p. 5340; Dr. pp. 1133-4; Gaz. vol. 134; p. 955.
- Delaware Stamp Machine Company. (See Eyer, I., assignor.)
- Delaye, J. B. (See Boulanger and Delaye.)
- Delbert, A. F., New Orleans, La. Cane-mill. No. 895,005; Aug. 4; Sp. p. 467; Dr. p. 95; Gaz. vol. 135; p. 970.
- Delcampe, C. (See Beltzer and Delcampe.)
- Delcampe, C., Bridgeport, Conn. Metal-cutting blowpipe. No. 887,467; May 12; Sp. p. 2321; Dr. p. 487; Gaz. vol. 134; p. 401.
- Delcampe, C., Quincy, Mass. Metal-cutting instrument. No. 894,195; July 28; Sp. p. 3804; Dr. p. 788; Gaz. vol. 135; p. 676.
- Delerue, J., Oporto, Portugal. Action for upright pianofortes. No. 894,612; July 28; Sp. p. 4663; Dr. p. 968; Gaz. vol. 135; p. 813.
- Dellea, L. A., Great Barrington, Mass. Cross-tie. No. 897,067; Aug. 25; Sp. p. 4637; Dr. p. 987; Gaz. vol. 135; p. 1714.
- Dellenbarger, C. E., assignor to Rubber Paint Co., Chicago, Ill. Coin-sorting mechanism. No. 892,369; June 30; Sp. p. 6429; Dr. p. 1388; Gaz. vol. 134; p. 2218.
- Deller, J., Harrisburg, Pa. Radiator-nipple-drawing device. No. 878,457; Feb. 4; Sp. p. 1126; Dr. p. 231; Gaz. vol. 132; p. 1034.
- Delloye, H. L., and A. E. Hénard, Paris, France. Means for obtaining illusionary decorative effects in rooms and the like. No. 885,669; Apr. 21; Sp. p. 4102; Dr. pp. 858-9; Gaz. vol. 133; p. 1900.
- Delloye, L. H., assignor to Société Anonyme des Manufactures de Glaces et Produits Chimiques de Saint Gobain Chauny et Cirey, Paris, France. Electrical condenser suitable for use in wireless telegraphy and other purposes. No. 887,598; May 12; Sp. p. 2572; Dr. p. 543; Gaz. vol. 134; p. 443.
- Delloye, L. H., assignor to Société Anonyme des Manufactures de Glaces et Produits Chimiques de Saint-Gobain, Chauny et Cirey, Paris, France. Third-rail insulator. No. 888,318; May 19; Sp. p. 3964; Dr. p. 835; Gaz. vol. 138; p. 708.
- Deloe, E. G., Roaring Spring, Pa. Door-check. No. 885,023; Apr. 21; Sp. p. 2774; Dr. p. 588; Gaz. vol. 133; p. 1693.
- Delph, F. A., New Orleans, assignor of one-half to B. A. Colomb, Colomb, La. Heating attachment for grates and fireplaces. No. 877,303; Jan. 21; Sp. p. 3335; Dr. p. 723; Gaz. vol. 132; p. 609.
- Delphos Manufacturing Company. (See Leilich, H. L., assignor.)
- Delpino, L. (See Crimlisk, J. J., assignor.)
- Delzeit, B. J. (See Dever and Delzeit.)

Alphabetical list of patentees—Continued.

- Demarest, E., Patterson, La. Cleat for cable-chain conveyers. No. 881,908; Mar. 17; Sp. p. 2844; Dr. p. 607; Gaz. vol. 133; p. 527.
 Demarest, T. W., Fort Wayne, Ind. Draft apparatus for roundhouses and similar structures. No. 887,073; May 12; Sp. p. 1473; Dr. p. 312; Gaz. vol. 134; p. 271.
 Dement, W. E., Blaine, Wash. Cattle-guard. No. 893,059; July 14; Sp. p. 1369; Dr. p. 289; Gaz. vol. 135; p. 253.
 Dement, W. E., Blaine, Wash. Cattle-guard. No. 907,472; Dec. 22; Sp. p. 4598; Gaz. vol. 137; p. 1840.
 Demers, N., Manchester, N. H., assignor to Draper Company, Portland, Me., and Hopedale, Mass. Weft-replenishing loom. (Reissue.) No. 12,887; Nov. 24; Sp. p. 5352; Gaz. vol. 137; p. 954.
 Deming, E. W., New York, N. Y. Apparatus for separating solids from liquids. No. 885,450; Apr. 21; Sp. p. 3659; Dr. p. 767; Gaz. vol. 133; p. 1833.
 Deming, E. W., New York, N. Y. Separating solids from liquids. No. 885,451; Apr. 21; Sp. p. 3661; Dr. p. 768; Gaz. vol. 133; p. 1833.
 Deming, F. B., Warren, Ohio. Hand-buffer. No. 881,557; Mar. 10; Sp. p. 2114; Dr. p. 462; Gaz. vol. 133; p. 384.
 Deming, G. R. (See Bartholomai, Stockham, and Deming.)
 Dempcy Degener Company. (See Degener, P. A., assignor.)
 Dempewolf, O. (See Brückmann and Dempewolf.)
 Dempsey, D. S. (See Cummings and Dempsey.)
 Dempsey, J., Belfast, Ireland. Machine for filling breadstuffs into or on an oven. No. 901,077; Oct. 13; Sp. p. 2119; Dr. pp. 431-2; Gaz. vol. 136; p. 1429.
 Dempsey, M. E. (See Rabbe, Harden, and Dempsey.)
 Dempsey, N. T. S. (See Langley, G. W., assignor.)
 Dempsey, W. S., New York, N. Y. Metallurgical furnace. No. 887,777; May 19; Sp. p. 2938; Dr. p. 618; Gaz. vol. 134; p. 533.
 Dempsey, W. S., New York, N. Y. Metallurgical furnace. No. 900,916; Oct. 13; Sp. p. 1803; Dr. pp. 364-5; Gaz. vol. 136; p. 1377.
 Dempster, D. A., Los Angeles, Cal. Means for effecting escape of occupants from sunken vessels. No. 876,777; Jan. 14; Sp. p. 2217; Dr. p. 487; Gaz. vol. 132; p. 393.
 Dempster, J., Toronto, Ontario, Canada. Dough-molding machine. No. 907,322; Dec. 22; Sp. p. 4286; Gaz. vol. 137; p. 1790.
 Dempster, J. E., Mayodan, assignor of one-half to C. V. Pegram, Walkertown, N. C. Spark-arrester. No. 883,791; Apr. 7; Sp. p. 218; Dr. p. 40; Gaz. vol. 133; p. 1229.
 Dempster, J. T. H. (See Steinmetz and Dempster.)
 Dempster, J. T. H., Schenectady, N. Y., assignor to General Electric Company. Insulating electric conductors. No. 894,613; July 28; Sp. p. 4664; Gaz. vol. 135; p. 814.
 Dempster, J. T. H., Schenectady, N. Y., assignor to General Electric Company. Electric-resistance conductor. No. 901,428; Oct. 20; Sp. p. 2848; Gaz. vol. 136; p. 1580.
 Dempster, J. T. H., Schenectady, N. Y., assignor to General Electric Company. Arc-lamp. No. 905,800; Dec. 1; Sp. p. 1353; Gaz. vol. 137; p. 1206.
 Dempster, L. E., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 901,427; Oct. 20; Sp. p. 2847; Dr. p. 581; Gaz. vol. 136; p. 1580.
 Dempster Mill Manufacturing Company. (See Smethers and Elliott, assignors.)
 Denard, M. J. (See Thiellet and Denard.)
 Dench, W. L., Pelham, assignor to Elliott-Fisher Company, New York, N. Y. Register for adding-machines. No. 885,326; Apr. 21; Sp. p. 3421; Dr. p. 714; Gaz. vol. 133; p. 1794.
 Deneen, E. J., Oneida, N. Y. Holder for safety-razor blades. No. 879,446; Feb. 18; Sp. p. 3189; Dr. p. 664; Gaz. vol. 132; p. 1430.
 Deneen, G. E., et al. (See Wigram, J., assignor.)
 Denemark, S., New York, N. Y. Snow-melting apparatus. No. 897,601; Sept. 1; Sp. p. 741; Dr. pp. 156-7; Gaz. vol. 136; p. 117.
 Denenny, C. C., Felton, Minn. Hay-stacker. No. 876,778; Jan. 14; Sp. p. 2219; Dr. pp. 487-8; Gaz. vol. 132; p. 394.
 Dengler, H. J., Rochester, N. Y. Roller-support. No. 885,146; Apr. 21; Sp. p. 3041; Dr. p. 640; Gaz. vol. 133; p. 1733.
 Dengler, J. P., Philadelphia, Pa. Door-check. No. 906,514; Dec. 15; Sp. p. 2720; Gaz. vol. 137; p. 1493.
 Dengler, W. I., Atlantic City, N. J. Guard for eyeglasses. No. 885,735; Apr. 28; Sp. p. 4255; Dr. p. 891; Gaz. vol. 133; p. 1952.
 Denison, J. F., New Haven, assignor of one-half to J. E. Mar, West Haven Conn. Starting device for explosive-engines. No. 893,712; July 21; Sp. p. 2697; Dr. p. 566; Gaz. vol. 135; p. 495.
 Denison, W. W., et al. (See Dickey, J. A., assignor.)
 Denler, A. F., Buffalo, N. Y. Drain. No. 883,629; Mar. 31; Sp. p. 6278; Dr. p. 1339; Gaz. vol. 133; p. 1149.
 Denlinger, H., Portland, Oreg. Index. No. 878,612; Feb. 11; Sp. p. 1556; Dr. p. 317; Gaz. vol. 132; p. 1120.
 Denmead, J. W., Akron, Ohio, assignor to Diamond Match Company, New York, N. Y. Box-filling machine. No. 898,337; Sept. 8; Sp. p. 2212; Dr. pp. 469-70; Gaz. vol. 136; p. 383.
 Denne, M. T., Rushden, England. Machine for separating or indenting stitches on boots and shoes. No. 876,699; Jan. 14; Sp. p. 2090; Dr. pp. 454-5; Gaz. vol. 132; p. 370.
 Denne, M. T., assignor to John Cave and Sons, Limited, Rushden, England. Boot and shoe sewing machine. No. 883,300; Mar. 31; Sp. p. 5610; Dr. p. 1196; Gaz. vol. 133; p. 1045.
 Denney, S., Jr., Denney, Ky. Mail receiving and delivering apparatus. No. 896,713; Aug. 25; Sp. p. 3843; Dr. p. 832; Gaz. vol. 135; p. 1593.
 Dennick, W., et al. (See Broome, H., assignor.)
 Denning, J. M. (See Lincoln, W. W., assignor.)
 Denning, J. M., Cedar Rapids, Iowa. Wire-fence-making machine. No. 900,490; Oct. 6; Sp. p. 883; Dr. pp. 181-5; Gaz. vol. 136; p. 1210.
 Denning, J. S., Burlington, Vt. Fish-line float. No. 878,362; Feb. 4; Sp. p. 952; Dr. p. 191; Gaz. vol. 132; p. 1003.
 Dennis, A. A., assignor to Veneer Machinery Company, Grand Rapids, Mich. Gluing veneers. No. 884,905; Apr. 14; Sp. p. 2520; Dr. pp. 532-3; Gaz. vol. 133; p. 1623.
 Dennis, A. S., Cleveland, Ohio, assignor, by mesne assignments, to Calculus Company. Computing-machine. (Reissue.) No. 12,748; Feb. 4; Sp. p. 1221; Dr. pp. 252-3; Gaz. vol. 132; p. 1045.
 Dennis, C. W., Augusta, Me. Autosleigh. No. 905,058; Nov. 24; Sp. p. 5188; Gaz. vol. 137; p. 926.
 Dennis, D. D., San Antonio, Tex. Animal-trap. No. 898,041; Sept. 8; Sp. p. 1660; Dr. p. 353; Gaz. vol. 136; p. 291.
 Dennis, F. J., Chicago, Ill. Folding box. No. 907,753; Dec. 29; Sp. p. 5205; Gaz. vol. 137; p. 1961.
 Dennis, G. P., Muncie, Ind. Bottle. No. 897,724; Sept. 1; Sp. p. 978; Dr. p. 208; Gaz. vol. 136; p. 157.
 Dennis, H. D., assignor of two-thirds to S. J. Evans and W. Murdock, Cashion, Okla. Folding egg-crate. No. 906,116; Dec. 8; Sp. p. 1975; Gaz. vol. 137; p. 1337.
 Dennis, S. K., Chicago, Ill., assignor to International Harvester Company. Wagon running-gear. No. 883,301; Mar. 31; Sp. p. 5612; Dr. p. 1196; Gaz. vol. 133; p. 1045.
 Dennis, S. K., Chicago, Ill., assignor to International Harvester Company. Axle-skein. No. 902,214; Oct. 27; Sp. p. 4477; Dr. p. 906; Gaz. vol. 136; p. 1865.
 Dennis, W. B., Blackbutte, Oreg. Producing gas. No. 893,462; July 14; Sp. p. 2178; Dr. pp. 457-8; Gaz. vol. 135; p. 384.
 Dennis, W. P., assignor to W. Ewers, Philadelphia, Pa. Damper-regulator. No. 893,609; July 21; Sp. p. 2506; Dr. pp. 521-2; Gaz. vol. 135; p. 462.
 Dennison, R. H. (See Derr, T. L., assignor.)
 Dennison, W., New Orleans, La. Service-box. No. 879,370; Feb. 18; Sp. p. 3021; Dr. p. 630; Gaz. vol. 132; p. 1405.
 Denison, W. N., Merchantville, N. J., assignor to Victor Talking Machine Company. Tilting turn-table for sound recording and reproducing machines. No. 880,369; Feb. 25; Sp. p. 5091; Dr. pp. 1076-7; Gaz. vol. 132; p. 1765.
 Denny, J. S., and J. J. Finney, Tarentum, Pa. Door-securer. No. 893,463; July 14; Sp. p. 2182; Dr. p. 458; Gaz. vol. 135; p. 385.
 Denny, J. S., assignor of one-third to J. A. Docktor, Tarentum, Pa. Leer. No. 908,399; Dec. 29; Sp. p. 6566; Gaz. vol. 137; p. 2178.
 Denny, J. T., Cromartie, N. C. Mail-box. No. 903,362; Nov. 10; Sp. p. 1651; Gaz. vol. 137; p. 302.
 Denovan, R. A., Dalkeith, Ontario, Canada. Phonographic-record cabinet. No. 876,865; Jan. 14; Sp. p. 2385; Dr. p. 520; Gaz. vol. 132; p. 421.
 Denovan, R. A., Dalkeith, Ontario, Canada. Root-puller. No. 879,526; Feb. 18; Sp. p. 3349; Dr. p. 699; Gaz. vol. 132; p. 1456.
 Densmore, S., and E. H. Gorey, Boston, Mass. Safety-valve. No. 887,381; May 12; Sp. p. 2156; Dr. p. 451; Gaz. vol. 134; p. 372.
 Densmore Typewriter Company. (See Barron, W. J., assignor.)
 Densmore Typewriter Company. (See Woodward, O., assignor.)
 Denton, A. J., Nebraska City, Nebr. Grain-car door. No. 900,491; Oct. 6; Sp. p. 912; Dr. p. 185; Gaz. vol. 136; p. 1210.
 Denton, F. L. (See Shinn and Denton.)
 Denton, H., Benton Harbor, Mich. Ball-bearing caster. No. 896,089; Aug. 18; Sp. p. 2617; Dr. p. 567; Gaz. vol. 135; p. 1371.
 Denton, R. W. (See Denton, W. D. and R. W.)
 Denton, W. D. and R. W., Wellesley, Mass. Simulating rare, precious, and other stones. No. 889,845; June 2; Sp. p. 1270; Dr. p. 292; Gaz. vol. 134; p. 1266.
 Denton, W. D. and R. W., Wellesley, Mass. Butterfly-jewel. No. 897,274; Sept. 1; Sp. p. 23; Dr. p. 6; Gaz. vol. 136; p. 6.
 Denton, W. S., New York, N. Y. Modulation-indicator for automatic music-playing mechanisms. No. 884,135; Apr. 7; Sp. p. 988; Dr. p. 206; Gaz. vol. 133; p. 1344.
 Denver Rock Drill and Machinery Company. (See Waugh, D. S., assignor.)

Alphabetical list of patentees—Continued.

- Denzler, F. W., Zwickau, Germany. Mangling-machine. No. 898,844; Sept. 15; Sp. p. 3197; Dr. p. 685; Gaz. vol. 136; p. 581.
- Depape, A., Brussels, Belgium. Surgical screw-bolt. No. 887,074; May 12; Sp. p. 1475; Dr. p. 313; Gaz. vol. 134; p. 271.
- Depew, G. M., Canandaigua, N. Y. Water-closet. No. 901,525; Oct. 20; Sp. p. 3068; Dr. p. 627; Gaz. vol. 136; p. 1613.
- Depew, J. C., Chicago, Ill. Railway-spreader. No. 885,736; Apr. 28; Sp. p. 4256; Dr. pp. 891-2; Gaz. vol. 133; p. 1952.
- Depew, J. I., Loup City, Nebr. Shearing and punching mechanism. No. 878,048; Feb. 4; Sp. p. 323; Dr. p. 67; Gaz. vol. 132; p. 900.
- Depollier, C. L., New York, assignor to Dubois Watch Case Co., Brooklyn, N. Y. Bow for watches. No. 830,343; June 9; Sp. p. 2331; Dr. p. 514; Gaz. vol. 134; p. 1458.
- Depollier, C. L., New York, assignor to Dubois Watch Case Company, Brooklyn, N. Y. Chatelaine brooch-watch. No. 890,501; June 9; Sp. p. 2620; Dr. p. 581; Gaz. vol. 134; p. 1508.
- Depollier, C. L., New York, assignor to Dubois Watch Case Co., Brooklyn, N. Y. Chatelaine-brooch watch. No. 896,441; Aug. 18; Sp. p. 3308; Dr. p. 711; Gaz. vol. 135; p. 1484.
- Depp, W. E., assignor of one-half to G. W. Stewart, Brookville, Pa. Shipping-box. No. 884,572; Apr. 14; Sp. p. 1831; Dr. p. 392; Gaz. vol. 133; p. 1515.
- Deppe, D. F., *et al.* (See Hackburn, Willett, and Deppe.)
- Deppe, L. H., Beardstown, Ill. Filter. No. 903,061; Nov. 3; Sp. p. 1063; Gaz. vol. 137; p. 174.
- Depriest, J. B., Manassa, Colo. Railway-tie. No. 888,227; May 19; Sp. p. 3797; Dr. p. 797; Gaz. vol. 134; p. 679.
- Der Ananian, A. (See Peters and Der Ananian.)
- Derbridge, E. G. (See Haas and Derbridge.)
- Derby Desk Company. (See Kennedy, W. J., assignor.)
- Derby, E. E. (See Derby, J. H. and E. E.)
- Derby, H. I. (See Orenstein and Derby.)
- Derby, J. H. and E. E., Greensburg, Pa. Folding box or crate. No. 900,492; Oct. 6; Sp. p. 913; Dr. p. 186; Gaz. vol. 136; p. 1211.
- Derby, W., Boston, Mass. Headlight for vehicles. No. 907,225; Dec. 22; Sp. p. 4098; Gaz. vol. 137; p. 1754.
- Derby, W. A., Aurora, Ill. Dust-collector. No. 878,126; Feb. 4; Sp. p. 464; Dr. p. 99; Gaz. vol. 132; p. 924.
- Derfinak, J. B., Mystic, Conn. Warp stop-motion for looms. No. 886,769; May 5; Sp. p. 897; Dr. p. 186; Gaz. vol. 134; p. 148.
- Déri, M., Vienna, Austria-Hungary, assignor to Stanley Electric Manufacturing Company. Alternating-current motor. No. 890,617; June 16; Sp. p. 2381; Dr. p. 634; Gaz. vol. 134; p. 1579.
- Derigon, W. E., *et al.* (See Eichmuller, R., assignor.)
- Derihon, M., Liege, Belgium. Machine for testing the wear of metals. No. 880,483; Feb. 25; Sp. p. 5360; Dr. p. 1130; Gaz. vol. 132; p. 1805.
- Derihon, M., Loncin, near Liege, Belgium. Machine for testing the wear of metals. No. 895,980; Aug. 11; Sp. p. 2416; Dr. p. 516; Gaz. vol. 135; p. 1313.
- Dermenstein, J., New Orleans, La. Figure toy. No. 905,507; Dec. 1; Sp. p. 811; Gaz. vol. 137; p. 1112.
- Derr, C. L., Cleveland, Ohio. Barber's-check system. No. 878,193; Feb. 4; Sp. p. 623; Dr. p. 128; Gaz. vol. 132; p. 947.
- Derr, T. L., assignor of one-half to R. H. Dennison, Reading, Pa. Gage-cock. No. 875,986; Jan. 7; Sp. p. 589; Dr. p. 126; Gaz. vol. 132; p. 102.
- Derrer, H., Sault Ste. Marie, Ontario, Canada. Drill and socket therefor. No. 895,244; Aug. 4; Sp. p. 956; Dr. p. 200; Gaz. vol. 135; p. 1032.
- Derrick, H. W., Boston, Mass. Eyeglasses. No. 884,368; Apr. 14; Sp. p. 1426; Dr. p. 305; Gaz. vol. 133; p. 1449.
- Derriman, G. L., London, England. Slaughter-house firearm. No. 894,774; July 28; Sp. p. 4953; Dr. p. 1033; Gaz. vol. 135; p. 865.
- Deschane, E. E., and J. C. Littlewood, Minneapolis, Minn. Radiator. No. 877,987; Feb. 4; Sp. p. 179; Dr. p. 40; Gaz. vol. 132; p. 879.
- Deselms, T., La Fayette, Ind. Towel and curtain-pole holder. No. 899,387; Sept. 22; Sp. p. 4224; Dr. p. 904; Gaz. vol. 136; p. 784.
- Desert Gold Machine Company. (See McKinley, F. E., assignor.)
- Desforges, R., *et al.* (See Cyr, W., assignor.)
- Desgraz, A. (See Schmidt and Desgraz.)
- Deshler, C., New Brunswick, N. J. Cards for games. No. 907,133; Dec. 22; Sp. p. 3902; Gaz. vol. 137; p. 1725.
- Deslot, E., Paris, France. Hair-drying apparatus. No. 890,267; June 9; Sp. p. 2186; Dr. p. 480; Gaz. vol. 134; p. 1433.
- Desmarais, O. H., New York, N. Y. Attachment for linotype-machines. No. 907,754; Dec. 29; Sp. p. 5207; Gaz. vol. 137; p. 1961.
- Desmond, J., Chicago, Ill. Pump. No. 882,874; Mar. 24; Sp. p. 4747; Dr. p. 1009; Gaz. vol. 133; p. 875.
- Desmond, T. E., Spokane, Wash. Currycomb. No. 897,882; Sept. 8; Sp. p. 1305; Dr. pp. 279-80; Gaz. vol. 136; p. 238.
- Desoe, E. G., West Springfield, Mass., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Automatic sanding apparatus for fluid-pressure brakes. No. 899,246; Sept. 22; Sp. p. 3992; Dr. p. 850; Gaz. vol. 136; p. 740.
- Despain, C. A., G. A. Kitt, and E. R. Gordon, Harrington, Wash. Weed-cutter. No. 879,089; Feb. 11; Sp. p. 2461; Dr. p. 513; Gaz. vol. 132; p. 1271.
- Despradelle, D., Boston, Mass. Device for spinning and twisting yarn. No. 890,618; June 16; Sp. p. 2884; Dr. p. 634; Gaz. vol. 134; p. 1580.
- Desprez, A. M., Asnières, France. Colander. No. 895,347; Aug. 4; Sp. p. 1145; Dr. p. 240; Gaz. vol. 135; p. 1085.
- Dessau, M. M., Merton, England. Substance produced from the gums of certain sapotaceae. No. 886,482; May 5; Sp. p. 278; Gaz. vol. 134; p. 51.
- Dessaui, M., and S. Baruch, New York, N. Y. Seal and protector for knots. No. 891,603; June 23; Sp. p. 4899; Dr. p. 1056; Gaz. vol. 134; p. 1932.
- Dessolle, E. L. (See Julien and Dessolle.)
- Destree, L., Haren, Belgium. Dyeing apparatus. No. 881,097; Mar. 3; Sp. p. 1207; Dr. p. 260; Gaz. vol. 133; p. 205.
- Dethmers, R. P., Madalia, Minn. Stamp-affixing machine. No. 879,151; Feb. 18; Sp. p. 2594; Dr. pp. 540-1; Gaz. vol. 132; p. 1333.
- Detmers, S., assignor to Republic Metalware Company, Buffalo, N. Y. Labeling device. No. 884,573; Apr. 14; Sp. p. 1833; Dr. p. 393; Gaz. vol. 133; p. 1515.
- Détré, L., Rheims, France. Apparatus for subjecting materials to the action of liquids under pressure. No. 898,444; Sept. 15; Sp. p. 2435; Dr. pp. 521-2; Gaz. vol. 136; p. 452.
- Detrich, B. (See Myers and Burchard, assignors.)
- Detroit Coin Wrapper Company. (See Radford, H. R., assignor.)
- Detroit Lubricator Company. (See Hodges, C. B., assignor.)
- Detroit Steam Engine Company. (See MacLachlan, J. D., assignor.)
- Detroit Trust Co., trustee. (See Wood, H. A. W., assignor.)
- Detroit Trust Co., trustee. (See Wood, H. A. W., assignor.) (Reissue.)
- Detroit White Lead Works. (See Allen and Weaver, assignors.)
- Detroit Wire Spring Co. (See Cook, J. H., assignor.)
- Detsinvi, G., Berlin, Germany. Gas-burner for lighting and heating purposes. No. 901,596; Oct. 20; Sp. p. 3205; Dr. p. 657; Gaz. vol. 136; p. 1635.
- Dette, M. H. (See Fischer and Dette.)
- Dettmann, F. (See Raymond and Dettmann.)
- Dettmann, F. H., Kaukauna, Wis., assignor of one-half to G. Bear. Self-clamping scaffold-bracket. No. 901,158; Oct. 13; Sp. p. 2262; Dr. p. 461; Gaz. vol. 136; p. 1454.
- Dettmann, W., Judson, N. D. Nailless horseshoe. No. 886,957; May 5; Sp. p. 1230; Dr. p. 260; Gaz. vol. 134; p. 204.
- Detwiler, F. V., Chicago, Ill. Refrigerator. No. 880,443; Feb. 25; Sp. p. 5264; Dr. pp. 1107-8; Gaz. vol. 132; p. 1791.
- Detwiler, J. P., Philadelphia, Pa. Horseshoe. No. 878,127; Feb. 4; Sp. p. 466; Dr. p. 99; Gaz. vol. 132; p. 924.
- Deuchar, W., Aberdeen, Wash. Flue-cleaner. No. 896,520; Aug. 18; Sp. p. 3480; Dr. p. 747; Gaz. vol. 135; p. 1511.
- Deuel, H. A. (See Parks and Deuel.)
- Deutsch, C., Sterling, Ill. Cork-puller. No. 884,322; Apr. 7; Sp. p. 1310; Dr. p. 277; Gaz. vol. 133; p. 1403.
- Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft). (See Blau and Remané, assignors.)
- Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft), Firm of. (See Stüssmann, H., assignor.)
- Deutsche Gold- & Silber-Scheideanstalt vorm. Roessler. (See Liebknecht, O., assignor.)
- Deutsche Waffen- und Munitionsfabriken. (See Heinemann, K., assignor.)
- Deutschmann, R. H., Hamburg, Germany. Obtaining curative animal serum. No. 906,207; Dec. 8; Sp. p. 2143; Gaz. vol. 137; p. 1367.
- Devany, E. M., Devils Lake, N. D. Brace for posts. No. 903,686; Nov. 10; Sp. p. 2315; Gaz. vol. 137; p. 406.
- Develer, T., Lancaster, Pa. Railway-track cleaner. No. 887,599; May 12; Sp. p. 2573; Dr. p. 543; Gaz. vol. 134; p. 443.
- Dever, B. J., and B. J. Delzeit, Philadelphia, Pa. Puzzle. No. 876,779; Jan. 14; Sp. p. 2221; Dr. p. 483; Gaz. vol. 132; p. 394.
- Deverell, W. P., Decatur, Ill. Compression stop and waste cock. No. 875,696; Jan. 7; Sp. p. 35; Dr. p. 7; Gaz. vol. 132; p. 8.
- Devers, W. J., Scranton, Pa. Slate-picker. No. 900,087; Oct. 6; Sp. p. 28; Dr. p. 5; Gaz. vol. 136; p. 1079.
- Devey, J. (See Yates, Devey, Richan, and Devey.)
- Devey, W. A. (See Yates, Devey, Richan, and Devey.)
- Devine, E., Chicago, Ill. Adjustable caster. No. 885,024; Apr. 21; Sp. p. 2776; Dr. p. 588; Gaz. vol. 133; p. 1694.
- Devine, J. A., Indianapolis, Ind. Automatic indicator-connecting coupling. No. 903,814; Nov. 10; Sp. p. 2564; Gaz. vol. 137; p. 448.
- Devine, J. J. (See Rappleye and Devine.)

Alphabetical list of patentees—Continued.

- Devine, W. P., Boston, Mass., assignor to Orient Manufacturing Company, Portland, Me. Machine for covering eyeglass-cases. No. 889,111; May 26; Sp. p. 5625; Dr. p. 1191; Gaz. vol. 134; p. 999.
- Devineau, L. H., Cleveland, Ohio. Phonographic horn. No. 905,855; Dec. 8; Sp. p. 1474; Gaz. vol. 137; p. 1254.
- Devlin, J. (See Toney, S., assignor.)
- Devlin, L. K., Havre, Mont. Adjustable metallic screen-fastener. No. 881,061; Mar. 3; Sp. p. 1130; Dr. p. 245; Gaz. vol. 133; p. 193.
- Devold, J. R., Lysaker, near Christiania, Norway. Means for hauling up boats. No. 893,610; July 21; Sp. p. 2508; Dr. p. 522; Gaz. vol. 135; p. 462.
- Devoll, W., Mexico, Mo. Clod-pulverizer. No. 896,090; Aug. 18; Sp. p. 2618; Dr. p. 567; Gaz. vol. 135; p. 1372.
- Devore, W. W., California, Ohio. Artificial whirlpool. No. 904,848; Nov. 24; Sp. p. 4775; Gaz. vol. 137; p. 856.
- Dewar, J., Cambridge, England. Separation of gases. No. 879,129; Feb. 11; Sp. p. 2548; Gaz. vol. 132; p. 1283.
- Dewberry, W. A., Center Hill, Ark. Cultivator. No. 885,983; Apr. 28; Sp. p. 4777; Dr. pp. 1003-4; Gaz. vol. 133; p. 2035.
- Deweese, W. B., Salina, Kans. Obstetrical forceps. No. 893,464; July 14; Sp. p. 2183; Dr. p. 459; Gaz. vol. 135; p. 385.
- Dewey, D. R., Hamilton, Ontario, Canada. Appliance for the cure of rheumatism and other diseases. No. 900,493; Oct. 6; Sp. p. 915; Dr. p. 186; Gaz. vol. 136; p. 1211.
- Dewey, E. H., Great Barrington, Mass. Foundation-fastener for honey-sections of beehives. No. 890,619; June 16; Sp. p. 2886; Dr. pp. 634-5; Gaz. vol. 134; p. 1580.
- Dewey, F. D. (See Dewey and Christian assignors.)
- Dewey, F. L. (See Graham and Dewey.)
- Dewey, F. P., Washington, D. C. Circulation apparatus. No. 888,967; May 26; Sp. p. 5344; Dr. p. 1134; Gaz. vol. 134; p. 954.
- Dewey, F. P., Washington, D. C. Circulation. No. 888,968; May 26; Sp. p. 5347; Dr. p. 1134; Gaz. vol. 134; p. 954.
- Dewey, F. P., Washington, D. C. Treating oxid of zinc. No. 900,088; Oct. 6; Sp. p. 31; Dr. p. 6; Gaz. vol. 136; p. 1079.
- Dewey, G. O. (See Van Cleave and Dewey.)
- Dewey, H. H., Cleveland, Ohio. Corner-stay for car-bodies. No. 891,466; June 23; Sp. p. 4619; Dr. p. 1003; Gaz. vol. 134; p. 1890.
- Dewey, H. H., Cleveland, and J. F. Christian, Cincinnati, Ohio, assignors to F. D. Dewey, Kingston, N. Y. Corner-stay for boxes and the like. No. 906,208; Dec. 8; Sp. p. 2143; Gaz. vol. 137; p. 1368.
- Dewey, J. H., New York, N. Y. Amusement-railway. No. 886,958; May 5; Sp. p. 1230; Dr. pp. 260-1; Gaz. vol. 134; p. 205.
- Dewey, R. P., San Francisco, Cal. Kitchen-cabinet. No. 888,966; May 26; Sp. p. 5342; Dr. p. 1134; Gaz. vol. 134; p. 955.
- Dewhurst, J. C. (See Watkins, H., assignor.)
- Dewhurst, J. H., Sheffield, England. Ladle for carrying and tipping blast-furnace slag. No. 906,117; Dec. 8; Sp. p. 1978; Gaz. vol. 137; p. 1337.
- Dewitt, P. (See Clarke and Dewitt.)
- Dexter, F. K., Weld, Me. Memorandum-tablet. No. 876,948; Jan. 21; Sp. p. 2596; Dr. p. 565; Gaz. vol. 132; p. 490.
- Dexter, Lambert & Company. (See Barton, E., assignor.)
- Dexter, T. C., Pearl River, N. Y. Paper-feeding machine. No. 880,197; Feb. 25; Sp. p. 4753; Dr. pp. 1007-8; Gaz. vol. 132; p. 1708.
- Dexter, T. C., Pearl River, N. Y. Paper-feeding machine. No. 880,198; Feb. 25; Sp. p. 4759; Dr. pp. 1008-9; Gaz. vol. 132; p. 1709.
- Dexter, T. C., Pearl River, N. Y. Paper-feeding machine. No. 886,117; Apr. 28; Sp. p. 5044; Dr. pp. 1059-60; Gaz. vol. 133; p. 2078.
- Dexter, T. C., Pearl River, N. Y. Friction-clutch. No. 882,299; Mar. 17; Sp. p. 3622; Dr. p. 769; Gaz. vol. 133; p. 653.
- Dexter, T. C., Pearl River, N. Y. Paper-feeding machine. No. 886,118; Apr. 28; Sp. p. 5052; Dr. pp. 1060-1; Gaz. vol. 133; p. 2079.
- Dexter, T. C., Pearl River, N. Y. Paper-cutting machine. No. 889,213; June 2; Sp. p. 48; Dr. pp. 12-13; Gaz. vol. 134; p. 1065.
- Dexter, T. C., and C. O. L. Cardell, Pearl River, N. Y., said Cardell assignor to said Dexter. Bundling-press. No. 889,112; May 26; Sp. p. 5626; Dr. pp. 1191-2; Gaz. vol. 134; p. 1000.
- Dey, A. (See Dey, J. and A.)
- Dey, J., New York, N. Y., and A. Dey, Glasgow, Scotland, assignors to Dey Time Register Company, Syracuse, N. Y. Means for detecting false registration in time-recorders. No. 888,069; May 19; Sp. p. 3500; Dr. p. 733; Gaz. vol. 134; p. 628.
- Dey Time Register Co. (See Ford, H. C., assignor.)
- Dey Time Register Company. (See Dey, J. and A., assignors.)
- Dey Time Register Company. (See Rockwell, W., assignor.)
- Di Gioia, F. (See Ferry and Di Gioia.)
- Diack, A. S., Detroit, Mich. Toy. No. 879,152; Feb. 18; Sp. p. 2597; Dr. p. 541; Gaz. vol. 132; p. 1333.
- Diamanti, N. and H., Beuf, Beaulieu, France. Hydro-extractor. No. 905,297; Dec. 1; Sp. p. 326; Gaz. vol. 137; p. 1040.
- Diamond Hardware Manufacturing Company. (See Diamond, J. H., assignor.)
- Diamond, J. H., Wilkensburg, assignor to Diamond Hardware Manufacturing Company, Pittsburg, Pa. Joint for window and door screens, &c. No. 891,604; June 23; Sp. p. 4900; Dr. pp. 1056-7; Gaz. vol. 134; p. 1933.
- Diamond Match Company. (See Carlson, C. A., assignor.)
- Diamond Match Company. (See Denmead, J. W., assignor.)
- Diamond Match Company. (See Palmer and Carlson, assignors.)
- Diamond Match Company. (See Williams, W. E., assignor.)
- Diamond Match Company. (See Wright, J. P., assignor.)
- Diamond, T., Waukesha, Wis. Ice-harvesting machine. No. 877,916; Feb. 4; Sp. p. 42; Dr. p. 8; Gaz. vol. 132; p. 856.
- Diaz, P., Hijo, Mexico, Mexico. Treating the soil. No. 901,078; Oct. 13; Sp. p. 2121; Dr. p. 432; Gaz. vol. 136; p. 1429.
- Dibbell, G. A., Washburn, Wis. Rotary engine. No. 878,613; Feb. 11; Sp. p. 1558; Dr. p. 317; Gaz. vol. 132; p. 1121.
- Dibler, J. M., Greensburg, Pa. Scaffold. No. 902,949; Nov. 3; Sp. p. 842; Gaz. vol. 137; p. 139.
- Diboll, W. A. (See Fairchild, O. H., assignor.)
- Dick, A. B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Sheet-feeding apparatus. No. 878,614; Feb. 11; Sp. p. 1560; Dr. p. 318; Gaz. vol. 132; p. 1121.
- Dick, A. B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stencil-duplicating apparatus. No. 881,307; Mar. 10; Sp. p. 1366; Dr. p. 350; Gaz. vol. 133; p. 305.
- Dick, A. B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stencil-duplicating apparatus. No. 890,759; June 16; Sp. p. 3194; Dr. p. 698; Gaz. vol. 134; p. 1627.
- Dick, A. B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Printing-machine. No. 898,445; Sept. 15; Sp. p. 2439; Dr. pp. 522-3; Gaz. vol. 136; p. 453.
- Dick, A. B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Printing apparatus. No. 898,446; Sept. 15; Sp. p. 2445; Dr. p. 523; Gaz. vol. 136; p. 453.
- Dick, A. B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Sheet-feeding apparatus. No. 898,447; Sept. 15; Sp. p. 2446; Dr. p. 524; Gaz. vol. 136; p. 453.
- Dick, A. B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Ribbon mechanism for type-printing machines. No. 899,160; Sept. 22; Sp. p. 3795; Dr. pp. 812-13; Gaz. vol. 136; p. 712.
- Dick, A. B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Duplicating apparatus. No. 903,457; Nov. 10; Sp. p. 1832; Gaz. vol. 137; p. 333.
- Dick, J., Canton, Ohio. Silage-distributor. No. 877,304; Jan. 21; Sp. p. 3337; Dr. pp. 723-4; Gaz. vol. 132; p. 609.
- Dick, J., Canton, Ohio. Fodder-cutter. No. 883,391; Mar. 31; Sp. p. 5802; Dr. p. 1238; Gaz. vol. 133; p. 1074.
- Dick, J., Canton, Ohio. Fodder-cutter. No. 883,392; Mar. 31; Sp. p. 5803; Dr. pp. 1238-9; Gaz. vol. 133; p. 1074.
- Dick, J. M., Fleming, Pa. Running-gear for vehicles. No. 880,199; Feb. 25; Sp. p. 4768; Dr. p. 1009; Gaz. vol. 132; p. 1709.
- Dick, W. C., assignor of three-fourths to H. C. Eich, Freeport, Ill. Adjusting device for locomotive driving-boxes. No. 877,059; Jan. 21; Sp. p. 2837; Dr. p. 612; Gaz. vol. 132; p. 529.
- Dicke, H., assignor to J. E. Goldschmid, Frankfurt-on-the-Main, Germany. Balling together pulverulent or dusty ores. No. 886,683; May 5; Sp. p. 688; Dr. p. 142; Gaz. vol. 134; p. 117.
- Dickens, J., assignor to Standard Sheet Metal Company, Passaic, N. J. Bottle-closure. No. 881,779; Mar. 10; Sp. p. 2544; Dr. p. 547; Gaz. vol. 133; p. 454.
- Dickens, O. R., Springfield, Mo. Beer-pipe cleaner. No. 885,452; Apr. 21; Sp. p. 3663; Dr. p. 768; Gaz. vol. 133; p. 1833.
- Dickerson, A., assignor of three-fifths to H. D. Boley and N. M. Ambrose, American Fork, Utah. Governor. No. 887,778; May 19; Sp. p. 2939; Dr. p. 618; Gaz. vol. 134; p. 533.
- Dickerson, C. B., Powhatan, W. Va. Suspender-hook and drawers-support. No. 884,906; Apr. 14; Sp. p. 2523; Dr. p. 533; Gaz. vol. 133; p. 1623.
- Dickerson, E. N., *et al.* (See Kendall, E. D., assignor.)
- Dickerson, E. N., Stovall, N. C. Manufacturing combustible gases. No. 888,969; May 26; Sp. p. 5349; Dr. p. 1135; Gaz. vol. 134; p. 955.
- Dickerson, M., assignor of one-half to F. L. Luz, Newark, N. J. Armature-banding. No. 876,949; Jan. 21; Sp. p. 2597; Dr. p. 565; Gaz. vol. 132; p. 490.
- Dickerson, M., assignor of one-half to F. L. Luz, Newark, N. J. Grinding-machine. No. 881,465; Mar. 10; Sp. p. 1946; Dr. p. 423; Gaz. vol. 133; p. 354.
- Dickerson, N. W., Derwent, Ohio. Safety device for mine-shafts. No. 892,653; July 7; Sp. p. 506; Dr. p. 107; Gaz. vol. 135; p. 90.
- Dickeson, O. E., Oskaloosa, Iowa. Measuring device. No. 897,458; Sept. 1; Sp. p. 450; Dr. p. 96; Gaz. vol. 136; p. 71.

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- Dickey, J. A., assignor of one-half to W. W. and W. B. Denison, Columbus, Ind. Lubricator for steam-engines. No. 880,638; Mar. 3; Sp. p. 301; Dr. p. 66; Gaz. vol. 133; p. 53.
- Dickie, M. B., assignor to Nobel's Explosives Company, Limited, Glasgow, Scotland. Telegraphic-code condenser. No. 901,957; Oct. 27; Sp. p. 3947; Dr. p. 806; Gaz. vol. 136; p. 1783.
- Dickie, R. J., and J. H. Brown, Wellington, New Zealand, assignors, by mesne assignments, to United States Automatic Vending Company, New York, N. Y. Stamp or ticket vending machine. No. 884,802; Apr. 14; Sp. p. 2334; Dr. pp. 491-2; Gaz. vol. 133; p. 1591.
- Dickinson, C., Maricopa, Cal. Pump for oil-wells. No. 901,282; Oct. 13; Sp. p. 2505; Dr. p. 514; Gaz. vol. 136; p. 1493.
- Dickinson, C. J., *et al.* (See Clemons, M. C., assignor.)
- Dickinson, E. D. (See Emmet and Dickinson.)
- Dickinson, E. F. (See Patterson and Dickinson.)
- Dickinson, H. C., Mobile, Ala. Compressed-air engine for conduit wire-drawing. No. 907,474; Dec. 22; Sp. p. 4602; Gaz. vol. 137; p. 1841.
- Dickinson, H. L., and A. L. Winder, Bloom, Va.; said Winder assignor to said Dickinson. Lock for dump-carts. No. 896,694; Aug. 18; Sp. p. 3803; Dr. p. 822; Gaz. vol. 135; p. 1564.
- Dickinson, J. E., *et al.*, trustees. (See Converse, N. R., assignor.)
- Dickinson, J. H. (See Miller and Dickinson.)
- Dickinson, J. H., Montclair, N. J. Hoisting and conveying apparatus. No. 885,025; Apr. 21; Sp. p. 2778; Dr. p. 589; Gaz. vol. 133; p. 1694.
- Dickinson, J. H., Cranford, N. J., assignor to Aeolian Company, New York, N. Y. Puppet-valve. No. 886,357; May 5; Sp. p. 33; Dr. p. 7; Gaz. vol. 134; p. 9.
- Dickinson, R. B., Syracuse, N. Y. Utensil for cooking-ranges. No. 902,215; Oct. 27; Sp. p. 4478; Dr. p. 906; Gaz. vol. 136; p. 1865.
- Dickinson, R. J., Eureka, Ill. Apparatus for mixing materials in canning factories. No. 891,823; June 30; Sp. p. 5389; Dr. p. 1166; Gaz. vol. 134; p. 2040.
- Dickinson, S. O., Manila, Philippine Islands. Fiber stripping and cleaning machine. No. 900,494; Oct. 6; Sp. p. 916; Dr. p. 186; Gaz. vol. 136; p. 1211.
- Dickman, W., Grinnell, Kans. Siding gage or marker. No. 890,847; June 16; Sp. p. 3360; Dr. p. 736; Gaz. vol. 134; p. 1655.
- Dickson, A. G., Dolph, S. D. Wrench. No. 888,319; May 19; Sp. p. 3964; Dr. p. 835; Gaz. vol. 138; p. 708.
- Dickson, E. E., Mansfield, Ohio. Flushing apparatus. No. 887,600; May 12; Sp. p. 2574; Dr. p. 543; Gaz. vol. 134; p. 444.
- Dickson, G. C., and A. C. McFarland, Des Moines, Iowa. Buckle. No. 906,391; Dec. 8; Sp. p. 2463; Gaz. vol. 137; p. 1426.
- Dickson, J., New York, N. Y. Non-refillable bottle. No. 908,214; Dec. 29; Sp. p. 6189; Gaz. vol. 137; p. 2115.
- Dickson, J. G., Little Rock, Ark. Cleaning mechanism for saw-gins. No. 897,883; Sept. 8; Sp. p. 1307; Dr. p. 280; Gaz. vol. 136; p. 239.
- Dickson, J. J., Indianapolis, Ind. Fencing-fastener for fence-posts. No. 895,981; Aug. 11; Sp. p. 2418; Dr. p. 516; Gaz. vol. 135; p. 1314.
- Dickson, J. L., Winfield, Kans. Road-bed. No. 883,178; Mar. 31; Sp. p. 5348; Dr. p. 1139; Gaz. vol. 133; p. 1004.
- Dickson, J. R., assignor to Carter-Crume Company, Limited, Niagara Falls, N. Y. Manifold sales-book. No. 879,447; Feb. 18; Sp. p. 3190; Dr. p. 664; Gaz. vol. 132; p. 1430.
- Dickson, J. T., assignor of one-half to E. A. Colburn, Denver, Colo. Control and fuel-feeding device for internal-combustion engines. No. 899,715; Sept. 29; Sp. p. 4687; Dr. pp. 1049-50; Gaz. vol. 136; p. 925.
- Dickson, W. E., St. Louis, Mo., assignor to Union Special Machine Company, Chicago, Ill. Binder. No. 891,605; June 23; Sp. p. 4902; Dr. p. 1037; Gaz. vol. 134; p. 1933.
- Didier, J. L., St. Cloud, France. Change-speed gearing. No. 889,769; June 2; Sp. p. 1120; Dr. p. 262; Gaz. vol. 134; p. 1241.
- Didier, L., assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Manufacture of colored photographic images. No. 885,453; Apr. 21; Sp. p. 3664; Gaz. vol. 133; p. 1834.
- Diebolt, L. T., assignor of one-half to F. L. Hartwick, Logansport, Ind. Safety-stop for trains. No. 877,305; Jan. 21; Sp. p. 3340; Dr. p. 724; Gaz. vol. 132; p. 610.
- Dieckmann, A., Cincinnati, Ohio. Sheet-metal elbow. No. 882,238; Mar. 17; Sp. p. 3505; Dr. p. 744; Gaz. vol. 133; p. 632.
- Dieckmann, C. F., New York, N. Y., assignor to Meyrowitz Manufacturing Company. Goggles. No. 879,749; Feb. 18; Sp. p. 3823; Dr. p. 801; Gaz. vol. 132; p. 1529.
- Dieckmann, E. (See Herbst and Dieckmann.)
- Diecks, H., Eastport, Me. Can-seaming machine. No. 905,801; Dec. 1; Sp. p. 1359; Gaz. vol. 137; p. 1206.
- Diederich, C. J. (See Cramer and Diederich.)
- Diederichs, R., Cologne, Germany. Dyeing apparatus. No. 904,315; Nov. 17; Sp. p. 3658; Gaz. vol. 137; p. 652.
- Diefenbach, J. C., Cincinnati, Ohio. Adjustable schedule. No. 898,338; Sept. 8; Sp. p. 2215; Dr. p. 471; Gaz. vol. 136; p. 384.
- Diefenbach, O., Griesheim, assignor to Chemische Fabrik Griesheim Electron, Frankfurt-on-the-Main, Germany. Manufacture of aluminates. No. 891,677; June 23; Sp. p. 5081; Dr. p. 1097; Gaz. vol. 134; p. 1960.
- Diehl, A. M. (See Williams, Ahlen, and Diehl.)
- Diehl, A. N., Duquesne, Pa. Blast-furnace-charging apparatus. No. 907,134; Dec. 22; Sp. p. 3903; Gaz. vol. 137; p. 1725.
- Diehl, G. M., Peru, Ind. Marking-machine. No. 907,577; Dec. 22; Sp. p. 4781; Gaz. vol. 137; p. 1872.
- Diehl, H., Berlin, Germany, assignor to General Electric Company. Railway-signal. No. 901,958; Oct. 27; Sp. p. 3949; Dr. p. 806; Gaz. vol. 136; p. 1783.
- Diehl, J., Sheboygan, Wis. Hinge. No. 891,235; June 23; Sp. p. 4152; Dr. p. 909; Gaz. vol. 134; p. 1813.
- Diehl, J., assignor to Standard Sewing Machine Company, Cleveland, Ohio. Sewing-machine. No. 894,486; July 28; Sp. p. 4413; Dr. p. 912; Gaz. vol. 135; p. 773.
- Diehl, J., assignor to Standard Sewing Machine Company, Cleveland, Ohio. Sewing-machine-actuating means. No. 908,215; Dec. 29; Sp. p. 6190; Gaz. vol. 137; p. 2115.
- Diehl Manufacturing Company. (See Euker, G. W., assignor.)
- Diehl, P., Elizabeth, N. J., assignor to Singer Manufacturing Company. Loop-taker-actuating mechanism for sewing-machines. No. 880,200; Feb. 25; Sp. p. 4769; Dr. p. 1010; Gaz. vol. 132; p. 1709.
- Diehl, W. R., assignor of one-half to E. Johnson, Pittsburg, Pa. Folding tent. No. 882,875; Mar. 24; Sp. p. 4748; Dr. p. 1010; Gaz. vol. 133; p. 875.
- Diel, J. H., Stockton, Cal. Vehicle. No. 891,467; June 23; Sp. p. 4621; Dr. pp. 1003-4; Gaz. vol. 134; p. 1890.
- Dieleman, C., *et al.* (See Rietveld, Dieleman, and Rietveld.)
- Diem, W. F., Pittsburg, Pa. Smoke and dust collector. No. 904,941; Nov. 24; Sp. p. 4972; Gaz. vol. 137; p. 887.
- Diener, E. J., Philadelphia, Pa. Dough dividing and molding machine for bread. No. 897,068; Aug. 25; Sp. p. 4639; Dr. p. 987; Gaz. vol. 135; p. 1714.
- Diers, H. W., Red Wing, Minn. Nail. No. 895,846; Aug. 11; Sp. p. 2152; Dr. p. 457; Gaz. vol. 135; p. 1271.
- Diescher, A. J., Pittsburg, Pa. Apparatus for washing coal, ore, &c. No. 876,268; Jan. 7; Sp. p. 1137; Dr. pp. 247-8; Gaz. vol. 132; p. 191.
- Diescher, S. E., assignor to E. Winter, Pittsburg, Pa. Housing for rolling-mills. No. 907,135; Dec. 22; Sp. p. 3905; Gaz. vol. 137; p. 1725.
- Diesel, R., Munich, Germany. Process and apparatus for injection of liquid fuels into internal-combustion engines. No. 890,620; June 16; Sp. p. 2889; Dr. p. 635; Gaz. vol. 134; p. 1581.
- Diesem, A. E., Columbus, assignor to Bucher & Gibbs Plow Company, Canton, Ohio. Harrow. No. 902,279; Oct. 27; Sp. p. 4615; Dr. p. 938; Gaz. vol. 136; p. 1886.
- Dieter, J. C., Anderson, S. Bowsher, Indianapolis, Ind., and E. Davis, Toledo, Ohio. Conduit-threader. No. 901,159; Oct. 13; Sp. p. 2264; Dr. p. 461; Gaz. vol. 136; p. 1455.
- Dieterich, K., Helfenberg, Germany. Agar-agar-cascara product and making same. No. 896,807; Aug. 25; Sp. p. 4062; Gaz. vol. 135; p. 1626.
- Dietrich, A. J. (See Hough, Dietrich, and Brunswick.)
- Dietrich, F. W. H., Altona, assignor to W. J. von, Muhlberg, Germany. Multicolor-printing machine. No. 896,899; Aug. 25; Sp. p. 4250; Dr. p. 909; Gaz. vol. 135; p. 1656.
- Dietrich, M. A., Six Mile Run, Pa. Window and screen therefor. No. 884,803; Apr. 14; Sp. p. 2338; Dr. p. 492; Gaz. vol. 133; p. 1592.
- Dietrichs, C., Little Ferry, N. J. Apparatus for molding concrete and the like. No. 880,201; Feb. 25; Sp. p. 4772; Dr. p. 1010; Gaz. vol. 132; p. 1710.
- Dietz, B. R., Canterbury, England. Dummy for military practice. No. 906,392; Dec. 8; Sp. p. 2484; Gaz. vol. 137; p. 1427.
- Dietz, C., Chicago, assignor of one-half to I. N. Price, Clyde, Ill. Car-coupling. No. 906,515; Dec. 15; Sp. p. 2723; Gaz. vol. 137; p. 1494.
- Dietz, E. (See House and Dietz.)
- Dietz, G. (See Long and Dietz.)
- Dietz, J., Cincinnati, Ohio. Water-motor. No. 877,635; Jan. 28; Sp. p. 4003; Dr. p. 865; Gaz. vol. 132; p. 738.
- Diffenbach, W. H. H., Yonkers, N. Y. Railway-brake. No. 893,611; July 21; Sp. p. 2509; Dr. p. 522; Gaz. vol. 135; p. 462.
- Diffenbach, B. F., Creston, Iowa. Spring-wheel. No. 890,223; June 9; Sp. p. 2068; Dr. p. 454; Gaz. vol. 134; p. 1419.
- Diffenbach, H. G., Goldfield, Nev. Automatic carrier and dumper. No. 886,959; May 5; Sp. p. 1232; Dr. p. 261; Gaz. vol. 134; p. 205.
- Digby, M. L., Rising Star, Tex. Plow-elevis. No. 877,413; Jan. 21; Sp. p. 3546; Dr. p. 767; Gaz. vol. 132; p. 645.
- Digby, W. P., London, England. Manufacture of hypochlorite solutions by electrolytic methods. No. 892,983; July 14; Sp. p. 1290; Dr. pp. 253-4; Gaz. vol. 135; p. 228.
- Diggs, D. W., New York, N. Y. Fire-extinguisher. No. 905,298; Dec. 1; Sp. p. 328; Gaz. vol. 137; p. 1040.

Alphabetical list of patentees—Continued.

- Dight, W. M., Jackson Center, Pa. Sash-holder. No. 893,904; July 21; Sp. p. 3186; Dr. p. 654; Gaz. vol. 135; p. 560.
- Digney, F. J. and N. L., Bridgeport, Conn. Corset. No. 900,711; Oct. 13; Sp. p. 1372; Dr. pp. 279-80; Gaz. vol. 136; p. 1311.
- Digney, N. L. (See Digney, F. J. and N. L.)
- Dike, A. P. (See Cazier and Dike.)
- Dikeman, E. B., Chicago, Ill. Combination-tool. No. 878,049; Feb. 4; Sp. p. 324; Dr. pp. 67-8; Gaz. vol. 132; p. 900.
- Dikeman, H. E. (See Ferris and Dikeman.)
- Dilig, C. H. J., and J. O. Fowler, New York, N. Y. Communiting frangible articles. No. 899,008; Sept. 15; Sp. p. 3485; Dr. p. 747; Gaz. vol. 136; p. 634.
- Dill, C. C., Denver, Colo. Roof-covering. No. 879,372; Feb. 18; Sp. p. 3029; Dr. p. 631; Gaz. vol. 132; p. 1406.
- Dill, H. E., administrator. (See Grimes, C. D.) (Reissue.)
- Dill, R. J., Grand Island, Nebr. Gate-locking device. No. 903,687; Nov. 10; Sp. p. 2316; Gaz. vol. 137; p. 406.
- Dill, T. C., Philadelphia, Pa. Variable-speed mechanism. No. 877,491; Jan. 28; Sp. p. 3694; Dr. p. 801; Gaz. vol. 132; p. 690.
- Dillard, W. E., Petersburg, Va. Oil-can. No. 875,697; Jan. 7; Sp. p. 36; Dr. p. 7; Gaz. vol. 132; p. 9.
- Dillard, W. E., Petersburg, Va. Trick-knife. No. 878,509; Feb. 11; Sp. p. 1316; Dr. p. 266; Gaz. vol. 132; p. 1085.
- Diller, H. E., Oak Park, Ill. Electrical heating means for molds. No. 896,630; Aug. 18; Sp. p. 3668; Dr. p. 787; Gaz. vol. 135; p. 1544.
- Dilliard, H. C., East Bangor, Pa. Shoe-lacing stud. No. 890,502; June 9; Sp. p. 2621; Dr. p. 581; Gaz. vol. 134; p. 1508.
- Dillingham, B. L., et al. (See Ferriott, C. L., assignor.)
- Dillman, W. L., Kokomo, Ind. Cream-separator. No. 895,076; Aug. 4; Sp. p. 597; Dr. p. 124; Gaz. vol. 135; p. 993.
- Dillon, A. S., Kansas City, Mo., assignor, by mesne assignments, of one-half to E. R. Gates, Kansas City, Kans. Boiler-flue blower. No. 889,299; June 2; Sp. p. 209; Dr. p. 52; Gaz. vol. 134; p. 1091.
- Dillon, H. A., Council Bluffs, Iowa, assignor of four-fifths to A. T. Austin, Omaha, Nebr. Railway-signal. No. 895,983; Aug. 11; Sp. p. 2422; Dr. pp. 517-18; Gaz. vol. 135; p. 1315.
- Dillon, J., Houston, Tex. Lever-jack. No. 907,226; Dec. 22; Sp. p. 4100; Gaz. vol. 137; p. 1755.
- Dillon, J., assignor to Barth Electric Company, Milwaukee, Wis. Electric-motor controller. No. 891,236; June 23; Sp. p. 4154; Dr. p. 910; Gaz. vol. 134; p. 1814.
- Dillon, J. A., assignor of one-third to G. L. Wilson, Chicago, Ill. Water-heater. No. 907,756; Dec. 29; Sp. p. 5211; Gaz. vol. 137; p. 1962.
- Dillon, J. J. (See Bauer and Dillon.)
- Dillon, P. W., Sterling, Ill. Mechanism for gasoline-engines. No. 879,609; Feb. 18; Sp. p. 3552; Dr. p. 743; Gaz. vol. 132; p. 1483.
- Dillon, S., Edgewood Park, and J. Noey, Braddock, Pa. Man-head crane for steam-boilers. No. 900,689; Oct. 6; Sp. p. 1329; Dr. p. 271; Gaz. vol. 136; p. 1277.
- Dillon, W. M., Sterling, Ill. Fence. No. 886,483; May 5; Sp. p. 280; Dr. p. 59; Gaz. vol. 134; p. 52.
- Dillon, W. M., Sterling, Ill. Wire-fence tie. No. 898,339; Sept. 8; Sp. p. 2217; Dr. p. 471; Gaz. vol. 136; p. 384.
- Dillon, W. M., assignor to Northwestern Barb Wire Company, Sterling, Ill. Gate. No. 881,883; Mar. 10; Sp. p. 2776; Dr. p. 596; Gaz. vol. 133; p. 490.
- Dimick, D. B., Birmingham, Ala. Apparatus for casting pipe. No. 880,284; Feb. 25; Sp. p. 4948; Dr. pp. 1045-6; Gaz. vol. 132; p. 1738.
- Dimitry, E. L., New Orleans, La. Bottle. No. 876,150; Jan. 7; Sp. p. 906; Dr. p. 196; Gaz. vol. 132; p. 154.
- Dinamite Nobel Societe Anonyme. (See Abelli, M., assignor.)
- Dineen, J. F., Geelong, Victoria, Australia. Track instrument for railway-signals. No. 893,612; July 21; Sp. p. 2512; Dr. p. 523; Gaz. vol. 135; p. 462.
- Dines, C. M. D., Wayne, Ind. Mail-bag catching and delivering device. No. 903,274; Nov. 10; Sp. p. 1482; Gaz. vol. 137; p. 274.
- Dingens, C. L., New York, N. Y. Printer's quoin. No. 904,849; Nov. 24; Sp. p. 4778; Gaz. vol. 137; p. 857.
- Dinger, L., New York, N. Y. Shirt. No. 894,121; July 21; Sp. p. 3629; Dr. p. 748; Gaz. vol. 135; p. 632.
- Dingman, A. H., assignor of one-half to J. Sauers, De Haven, Pa. Automobile. No. 880,202; Feb. 25; Sp. p. 4774; Dr. p. 1010; Gaz. vol. 132; p. 1710.
- Dingman, H., San Francisco, Cal. Adjustable arm-supporter. No. 883,004; Mar. 24; Sp. p. 4998; Dr. p. 1013; Gaz. vol. 133; p. 917.
- Dingman, F., assignor of one-half to A. E. Donaldson, Baltimore, Md. Device for sealing bottles. No. 889,874; June 2; Sp. p. 1332; Dr. p. 304; Gaz. vol. 134; p. 1277.
- Dingman, W., assignor of one-half to J. W. Lanning, Dresden, Ohio. Cushioned rocker. No. 898,340; Sept. 8; Sp. p. 2218; Dr. p. 471; Gaz. vol. 136; p. 384.
- Dinkins, J. M., assignor to Hercules Electric & Mfg. Co., Indianapolis, Ind. Electric vibrator. No. 881,114; Mar. 10; Sp. p. 1238; Dr. p. 266; Gaz. vol. 133; p. 240.
- Dinsmoor, J. D. (See Russell and Dinsmoor.)
- Dinsmoor, W. L., Longbeach, Cal. Repair-tool. No. 877,306; Jan. 21; Sp. p. 3344; Dr. p. 725; Gaz. vol. 132; p. 610.
- Dinsmore, F. A., Fredonia, N. Y. Water-motor. No. 878,194; Feb. 4; Sp. p. 624; Dr. p. 128; Gaz. vol. 132; p. 947.
- Dinsmore, F. A., Fredonia, N. Y. Clothes washer and drier. No. 886,358; May 5; Sp. p. 34; Dr. p. 7; Gaz. vol. 134; p. 9.
- Dinsmore, F. A., Fredonia, N. Y. Salt-cellar. No. 899,716; Sept. 29; Sp. p. 4893; Dr. p. 1050; Gaz. vol. 136; p. 926.
- Dinwiddie, A. A. (See Padack and Dinwiddie.)
- Dinwiddie, J. L., and A. F. Braun, Carlinville, Ill. Mine-door. No. 903,846; Nov. 17; Sp. p. 2642; Gaz. vol. 137; p. 491.
- Dion, A. E., and C. W. Ball, Ottawa, Ontario, Canada. Electric-current controller. No. 877,705; Jan. 28; Sp. p. 4131; Dr. p. 894; Gaz. vol. 132; p. 759.
- Dion, J., North Abington, Mass., assignor, by mesne assignments, to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last. No. 894,730; July 28; Sp. p. 4878; Dr. p. 1015; Gaz. vol. 135; p. 851.
- Dion, L., Wilkes-Barre, Pa. Guard for channeled marine vessels. No. 900,008; Sept. 29; Sp. p. 5528; Dr. p. 1178; Gaz. vol. 136; p. 1022.
- Dion, L., assignor to Americus Electro-Hermetic Company, Wilkes-Barre, Pa. Electric furnace. No. 888,877; May 26; Sp. p. 5166; Dr. p. 1096; Gaz. vol. 134; p. 925.
- Dion, L., assignor to Americus Electro-Hermetic Company, Wilkes-Barre, Pa. Mechanism for recovering, transforming, and conserving energy. No. 895,006; Aug. 4; Sp. p. 470; Dr. p. 95; Gaz. vol. 135; p. 970.
- Dioszeghy, A., Ilegheuy, Pa. Fur-nail-picking machine. No. 901,697; Oct. 20; Sp. p. 3441; Dr. p. 698; Gaz. vol. 136; p. 1670.
- Diplock, B. J., Westminster, London, England. Means for locking nuts and bolts. No. 887,382; May 12; Sp. p. 2158; Dr. p. 452; Gaz. vol. 134; p. 373.
- Dippel, G., and C. Kosnig, Pittsburg, Pa. Railway. No. 879,750; Feb. 18; Sp. p. 3825; Dr. p. 801; Gaz. vol. 132; p. 1529.
- Dippert, W. E., Des Moines, Iowa. Trace-carrier. No. 883,097; Mar. 24; Sp. p. 5168; Dr. p. 1104; Gaz. vol. 133; p. 947.
- Direct-Line General Telephone Company. (See Andriano, A. K., assignor.)
- Direct Motor-Drive Mfg. Co. (See Foss, W. O., assignor.)
- Dirkes, H. A., New York, N. Y. Window-ventilator. No. 891,824; June 30; Sp. p. 5391; Dr. p. 1166; Gaz. vol. 134; p. 2040.
- Dirt, J., and O. Bergmann, Cincinnati, Ohio. Cloth-cutter for counters. No. 879,153; Feb. 18; Sp. p. 2597; Dr. p. 541; Gaz. vol. 132; p. 1334.
- Discher, M. O., Mobile, Ala. Emblem cigar-cutter. No. 907,323; Dec. 22; Sp. p. 4287; Gaz. vol. 137; p. 1790.
- Disdier, J., Alameda, Cal. Fly-trap. No. 903,458; Nov. 10; Sp. p. 1836; Gaz. vol. 137; p. 334.
- Disher, J. G., Tothills Creek, South Australia, Australia. Wheel. No. 895,348; Aug. 4; Sp. p. 1146; Dr. p. 241; Gaz. vol. 135; p. 1085.
- Disheroon, J. E., Mena, Ark. Buggy-top brace. No. 901,079; Oct. 13; Sp. p. 2122; Dr. p. 432; Gaz. vol. 136; p. 1429.
- Diskin, M. B., New York, N. Y. Paper-board. No. 881,098; Mar. 3; Sp. p. 1208; Gaz. vol. 133; p. 206.
- Diss, A. B., Newark, N. J., assignor to Universal Caster & Foundry Company. Caster for furniture. No. 891,045; June 16; Sp. p. 3769; Dr. p. 823; Gaz. vol. 134; p. 1721.
- Diss, A. B., Newark, N. J., assignor to Universal Caster & Foundry Company. Caster for tubular legs. No. 891,046; June 16; Sp. p. 3770; Dr. p. 823; Gaz. vol. 134; p. 1721.
- Diss, L. P., Ilioi, N. Y. Type-writer ribbon-feed. No. 904,316; Nov. 17; Sp. p. 3661; Gaz. vol. 137; p. 652.
- Dissel, T. A. (See Greenleaf and Dissel.)
- Dissel, W., Cleveland, Ohio. Combined square and calipers. No. 888,070; May 19; Sp. p. 3503; Dr. p. 733; Gaz. vol. 134; p. 628.
- Distler, C., et al. (See Schultz and Gehre, assignors.)
- Ditchburn, H., Roseau, Ontario, Canada. Stovepipe-connector for nesting pipes. No. 886,043; Apr. 28; Sp. p. 4910; Dr. p. 1032; Gaz. vol. 133; p. 2054.
- Ditchfield, F. (See Atwood and Ditchfield.)
- Ditchfield, F., Montreal, Quebec, Canada. Dump-car. No. 890,224; June 9; Sp. p. 2069; Dr. p. 454; Gaz. vol. 134; p. 1419.
- Ditchfield, R., Woodstock, Ontario, Canada. Lawn-rake. No. 895,847; Aug. 11; Sp. p. 2153; Dr. p. 457; Gaz. vol. 135; p. 1271.
- Ditson, S., Collingwood, Ontario, Canada. Cheese-cover and show-case. No. 899,103; Sept. 22; Sp. p. 3674; Dr. p. 786; Gaz. vol. 136; p. 693.
- Dittbenner, H. G., Minneapolis, Minn. Lifting-skid for sawmill feed mechanism. No. 887,075; May 12; Sp. p. 1476; Dr. p. 313; Gaz. vol. 134; p. 271.
- Dittmann, H., Lübeck, Germany. Cover for kegs. No. 877,636; Jan. 28; Sp. p. 4005; Dr. p. 865; Gaz. vol. 132; p. 739.
- Dittwiler, H. B., assignor of one-fourth to L. W. Roe, Mansfield, Ohio. Steering-gear for motor-machines. No. 883,179; Mar. 31; Sp. p. 3550; Dr. p. 1140; Gaz. vol. 133; p. 1004.
- Divekey, J. J., and C. M. Gentner, Aurora, Ill. Water-heater. No. 899,388; Sept. 22; Sp. p. 4224; Dr. p. 904; Gaz. vol. 136; p. 784.

Alphabetical list of patentees—Continued.

- Divers, W. H., Aurora, assignor of one-half to W. R. Owen, Springfield, Mo. Fifth-wheel. No. 899,660; Sept. 29; Sp. p. 4781; Dr. pp. 1023-4; Gaz. vol. 136; p. 909.
- Divine, B. H., Utica, N. Y. Machine for cleaning and polishing tin. No. 883,098; Mar. 24; Sp. p. 4169; Dr. p. 1104; Gaz. vol. 133; p. 947.
- Dix, T. W., Burlington, Vt. Thill-coupling. No. 906,516; Dec. 15; Sp. p. 2724; Gaz. vol. 137; p. 1494.
- Dixie Match Company. (See Parker, W. H., assignor.)
- Dixon, C. H., Newark, N. J. Convertible chair and table. No. 884,136; Apr. 7; Sp. p. 991; Dr. p. 207; Gaz. vol. 133; p. 1344.
- Dixon, E. (See Pierce, C. A., assignor.)
- Dixon, E., Bristol, R. I. Top-roll saddle. No. 876,950; Jan. 21; Sp. p. 2599; Dr. p. 565; Gaz. vol. 132; p. 491.
- Dixon, E., Bristol, R. I. Top-roll saddle. No. 905,667; Dec. 1; Sp. p. 1099; Gaz. vol. 137; p. 1161.
- Dixon, E., Bristol, R. I. Spinning-machine. No. 905,668; Dec. 1; Sp. p. 1100; Gaz. vol. 137; p. 1161.
- Dixon, E. M. (See Wesner and Dixon.)
- Dixon, H., Dayton, Ohio. Gutter-strainer. No. 901,526; Oct. 20; Sp. p. 3070; Dr. p. 627; Gaz. vol. 136; p. 1613.
- Dixon, H. L., and G. A. Marsh, Pittsburg, Pa. Shaping glass. No. 896,631; Aug. 18; Sp. p. 3670; Dr. p. 788; Gaz. vol. 135; p. 1545.
- Dixon, J. A., Coventry, England. Clutch or brake. No. 887,779; May 19; Sp. p. 2941; Dr. p. 619; Gaz. vol. 134; p. 534.
- Dixon, J. H., Pittsburg, Pa. Pressure-indicating device and alarm-signal. No. 879,039; Feb. 11; Sp. p. 2350; Dr. p. 492; Gaz. vol. 132; p. 1256.
- Dixon, J. M., and J. F. Barwick, Ayden, N. C. Removable vehicle-seat. No. 896,278; Aug. 18; Sp. p. 2963; Dr. p. 638; Gaz. vol. 135; p. 1432.
- Dixon, J. O., and E. S. Mummert, assignors to Mummert, Wolf & Dixon Co., Hanover, Pa. Screw-threading machine. No. 890,848; June 16; Sp. p. 3361; Dr. pp. 736-7; Gaz. vol. 134; p. 1636.
- Dixon, N. B., Dixie, Ala. Elevated railway. No. 901,269; Oct. 6; Sp. p. 426; Dr. p. 87; Gaz. vol. 136; p. 1138.
- Dixon, R. M. (See Erb, E. M., assignor.)
- Dixon, R. M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Pressure-regulator. No. 880,128; Feb. 25; Sp. p. 4614; Dr. p. 973; Gaz. vol. 132; p. 1685.
- Dixon, R. M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Gas-lamp. No. 881,666; Mar. 10; Sp. p. 2339; Dr. p. 507; Gaz. vol. 133; p. 420.
- Dixon, R. M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Beacon, light-buoy, &c. No. 881,667; Mar. 10; Sp. p. 2341; Dr. p. 507; Gaz. vol. 133; p. 421.
- Dixon, R. M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Expansion-trap. No. 881,668; Mar. 10; Sp. p. 2341; Dr. p. 507; Gaz. vol. 133; p. 421.
- Dixon, R. M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Mantle-burner. No. 884,137; Apr. 7; Sp. p. 992; Dr. p. 207; Gaz. vol. 133; p. 1344.
- Dixon, R. M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Hose-coupling. No. 887,234; May 12; Sp. p. 1787; Dr. p. 375; Gaz. vol. 134; p. 321.
- Dixon, R. M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Lamp. No. 887,468; May 12; Sp. p. 2323; Dr. p. 487; Gaz. vol. 134; p. 401.
- Dixon, W. L., assignor to Reece Folding Machine Company, Boston, Mass. Feeding mechanism for machines for folding collars and the like. No. 890,503; June 9; Sp. p. 2622; Dr. p. 581; Gaz. vol. 134; p. 1508.
- Doane, J. C., Hartford, Conn., assignor to Underwood Typewriter Co., New York, N. Y. Type-writing machine. No. 891,047; June 16; Sp. p. 3771; Dr. pp. 823-5; Gaz. vol. 134; p. 1721.
- Doane, S. E., Cleveland, Ohio. Electric sign. No. 882,555; Mar. 24; Sp. p. 4104; Dr. p. 870; Gaz. vol. 133; p. 770.
- Doarnberger, J. A., Roanoke, Va. Steam-boiler. No. 885,229; Apr. 21; Sp. p. 3224; Dr. p. 673; Gaz. vol. 133; p. 1761.
- Dobbins, E. J., London, England. Light-distributor for windows and the like. No. 893,060; July 14; Sp. p. 1370; Dr. p. 289; Gaz. vol. 135; p. 253.
- Dobbins, F. A., Newark, N. J. Gasolene-engine with mixing-cylinders on crank-cases. No. 895,982; Aug. 11; Sp. p. 2419; Dr. pp. 516-17; Gaz. vol. 135; p. 1314.
- Dobbs, J., and W. P. Welborn, Palestine, Tex. Wire-stretcher. No. 902,565; Nov. 3; Sp. p. 67; Gaz. vol. 137; p. 11.
- Dobey, J. M., Timewell, Ill. Road-scraper. No. 908,078; Dec. 29; Sp. p. 5869; Gaz. vol. 137; p. 2068.
- Doble, M. E. (See Doble, W. A., assignor.)
- Doble, M. E. (See Doble and Gfeller, assignors.)
- Doble, W. A., San Francisco, Cal., assignor to M. E. Doble. Impact water-motor. No. 896,442; Aug. 18; Sp. p. 3308; Dr. pp. 711-12; Gaz. vol. 135; p. 1484.
- Doble, W. A., and F. Gfeller, San Francisco, assignors, by mesne assignments, to M. E. Doble, Alameda, Cal. Impact water-wheel. No. 884,907; Apr. 14; Sp. p. 2534; Dr. p. 533; Gaz. vol. 133; p. 1623.
- Dobrick, C. L., assignor of one-half to E. Magen, New York, N. Y. Virometer. No. 887,383; May 12; Sp. p. 2159; Dr. p. 452; Gaz. vol. 134; p. 373.
- Dobson and Barlow. (See Eckersley, J., assignor.)
- Dobson and Barlow. (See Myerscough and Gornall, assignors.)
- Dobson, G., assignor of one-half to K. A. Ohloff, Pittsburg, Pa. Insulator. No. 900,917; Oct. 13; Sp. p. 1804; Dr. p. 365; Gaz. vol. 136; p. 1377.
- Dobson, H. E., New York, N. Y. Liquid-depth gage. No. 884,370; Apr. 14; Sp. p. 1434; Dr. p. 306; Gaz. vol. 133; p. 1449.
- Dobson, J. E., Ypsilanti, W. E. Wiley and W. H. Hart, assignors to H. B. Sherman, Battle Creek, Mich. Machine for making roofing-nails. No. 886,960; May 5; Sp. p. 1235; Dr. p. 262; Gaz. vol. 134; p. 205.
- Dobson, R. T., *et al.* (See Squires, A. C., assignor.)
- Dobyns, P. K., Franklin, Ind. Instrument for inserting tags beneath the skin of animals. No. 881,062; Mar. 3; Sp. p. 1131; Dr. p. 246; Gaz. vol. 133; p. 194.
- Dock Gas Engine Company. (See Dock, H., assignor.)
- Dock, H., Wyncote, Pa., assignor to Dock Gas Engine Company, New York, N. Y. Universal coupling. No. 901,080; Oct. 13; Sp. p. 2123; Dr. pp. 432-3; Gaz. vol. 136; p. 1430.
- Dock, H., Westerly, R. I., assignor to Dock Gas Engine Company, New York, N. Y. Clutch mechanism. No. 901,081; Oct. 13; Sp. p. 2125; Dr. p. 433; Gaz. vol. 136; p. 1430.
- Dock, H., Westerly, R. I., assignor to Dock Gas Engine Company, New York, N. Y. Internal-combustion engine. No. 906,393; Dec. 8; Sp. p. 2485; Gaz. vol. 137; p. 1427.
- Dockes, L. L., *et al.* (See Pasteur, C. D. A., assignor.)
- Docktor, J. A. (See Denny, J. S., assignor.)
- Doctor, W., Zabern, Germany. Hectograph composition. No. 886,771; May 5; Sp. p. 900; Gaz. vol. 134; p. 148.
- Dodd, C. E., assignor to M. S. Dodd and G. F. Erdman, Williamsport, Pa. Cuff-holder. No. 890,559; June 9; Sp. p. 2732; Dr. p. 604; Gaz. vol. 134; p. 1527.
- Dodd, C. V., Elgin, Ill. Screw-driver. No. 903,549; Nov. 10; Sp. p. 2036; Gaz. vol. 137; p. 364.
- Dodd, M. S., *et al.* (See Dodd, C. E., assignor.)
- Doddridge, J. H., Vincennes, Ind. Post. No. 883,005; Mar. 24; Sp. p. 4999; Dr. p. 1063; Gaz. vol. 133; p. 917.
- Dodds, E. I., assignor to Pullman Company, Chicago, Ill. Railway-car. No. 881,466; Mar. 10; Sp. p. 1949; Dr. pp. 423-4; Gaz. vol. 133; p. 354.
- Dodds, E. I., assignor to Pullman Company, Chicago, Ill. Car. No. 889,588; June 2; Sp. p. 791; Dr. pp. 179-80; Gaz. vol. 134; p. 1185.
- Dodds, E. I., Pullman, assignor to Pullman Company, Chicago, Ill. Railway dumping-car. No. 881,884; Mar. 10; Sp. p. 2777; Dr. p. 596; Gaz. vol. 133; p. 491.
- Dodds, E. I., Pullman, assignor to Pullman Company, Chicago, Ill. Drop-bottom car. No. 884,324; Apr. 7; Sp. p. 1313; Dr. p. 278; Gaz. vol. 133; p. 1403.
- Dodds, E. I., Pullman, assignor to Pullman Company, Chicago, Ill. Steel-car construction. No. 884,325; Apr. 7; Sp. p. 1314; Dr. pp. 278-9; Gaz. vol. 133; p. 1403.
- Dodds, E. I., Pullman, assignor to Pullman Company, Chicago, Ill. Door-operating mechanism for gondola cars. No. 893,613; July 21; Sp. p. 2515; Dr. pp. 523-4; Gaz. vol. 135; p. 463.
- Dodds, E. I., Avalon, Pa., assignor to Pullman Company, Chicago, Ill. Steel-car construction. No. 884,323; Apr. 7; Sp. p. 1311; Dr. pp. 277-8; Gaz. vol. 133; p. 1403.
- Dodds, E. I., Avalon, assignor to Pressed Steel Car Company, Pittsburg, Pa. Structural metal part. No. 899,033; Sept. 22; Sp. p. 3547; Dr. p. 759; Gaz. vol. 136; p. 670.
- Dodel, H., San Francisco, Cal. Oil-heater. No. 906,781; Dec. 15; Sp. p. 3220; Gaz. vol. 137; p. 1577.
- Dodez, E. W., Fort Wayne, Ind. Dental-crown-heater. No. 888,071; May 19; Sp. p. 3506; Dr. p. 733; Gaz. vol. 134; p. 629.
- Dodge, A. E., deceased, Lynn, Mass.; M. E. Dodge, administratrix. Leather-finishing machine. No. 903,181; Nov. 10; Sp. p. 1296; Gaz. vol. 137; p. 242.
- Dodge, C. A., Syracuse, N. Y. Washing-machine. No. 881,382; Mar. 10; Sp. p. 1785; Dr. p. 385; Gaz. vol. 133; p. 328.
- Dodge, C. C., Newark, N. J., assignor to Dodge Lubricator Company, Boston, Mass. Antivibration device for automobiles. No. 881,227; Mar. 10; Sp. p. 1471; Dr. p. 316; Gaz. vol. 133; p. 278.

Alphabetical list of patentees—Continued.

- Dodge, C. C., Wollaston, assignor to Dodge Lubricator Company, Boston, Mass. Spark-timing apparatus. No. 882,876; Mar. 24; Sp. p. 4752; Dr. p. 1010; Gaz. vol. 133; p. 875.
- Dodge, C. R., Wonder, Nev. Vehicle-axle lubricator. No. 876,151; Jan. 7; Sp. p. 911; Dr. p. 196; Gaz. vol. 132; p. 154.
- Dodge, C. R., Cassopolis, assignor of one-half to J. W. and A. E. Armstrong, Three Rivers, Mich. Potato-digger. No. 893,905; July 21; Sp. p. 3187; Dr. pp. 655-6; Gaz. vol. 135; p. 560.
- Dodge Coal Storage Company. (See Titcomb, G. E., assignor.)
- Dodge Coal Storage Company. (See Williams, A. C., assignor.)
- Dodge, E. G., Newark, N. J. Primary battery. No. 894,487; July 28; Sp. p. 4415; Dr. p. 913; Gaz. vol. 135; p. 773.
- Dodge, G. P., *et al.* (See Williams, D. L., assignor.)
- Dodge, H. A., Newark, N. J. Pocket-book. No. 882,493; Mar. 17; Sp. p. 3957; Dr. p. 846; Gaz. vol. 133; p. 716.
- Dodge, J. M., Philadelphia, Pa. Chain. No. 901,789; Oct. 20; Sp. p. 3627; Dr. p. 734; Gaz. vol. 136; p. 1699.
- Dodge, J. M., Philadelphia, Pa., assignor to Stair Lift Company, Camden, N. J. Moving platform or inclined plane. No. 893,574; July 14; Sp. p. 2435; Dr. p. 506; Gaz. vol. 135; p. 420.
- Dodge, J. R., Elma, Wash. Logging-car stake. No. 904,943; Nov. 24; Sp. p. 4976; Gaz. vol. 137; p. 887.
- Dodge Lubricator Company. (See Dodge, C. C., assignor.)
- Dodge, M. E., administratrix. (See Dodge, A. E.)
- Dodge Metallic Cap Company. (See Dodge, W. H., assignor.)
- Dodge, P. T., Washington, D. C., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 883,180; Mar. 31; Sp. p. 5352; Dr. p. 1140; Gaz. vol. 133; p. 1005.
- Dodge, R., Middletown, Conn. Apparatus for testing eyes. No. 886,772; May 5; Sp. p. 900; Dr. pp. 186-7; Gaz. vol. 134; p. 148.
- Dodge, R. E., assignor of one-half to C. Brewster, Derby, Conn. Machine for applying strips of tape to fabric. No. 882,779; Mar. 24; Sp. p. 4538; Dr. pp. 908-9; Gaz. vol. 133; p. 842.
- Dodge, S. P., West Unity, Ohio. Hat hanger and marker. No. 885,026; Apr. 21; Sp. p. 2779; Dr. p. 589; Gaz. vol. 133; p. 1694.
- Dodge, W. H., Verona, assignor to Dodge Metallic Cap Company, Montclair, N. J. Metallic cap for receptacles and making the same. No. 889,214; June 2; Sp. p. 56; Dr. p. 13; Gaz. vol. 134; p. 1065.
- Dodge, W. P., Springfield, Mass. Roller-skate. No. 893,148; July 14; Sp. p. 1553; Dr. p. 327; Gaz. vol. 135; p. 283.
- Dodge, W. P., assignor to Barney & Berry, Springfield, Mass. Skate-frame. No. 898,099; Sept. 8; Sp. p. 1770; Dr. p. 376; Gaz. vol. 136; p. 310.
- Dodgen, O. E. (See Lee, I. T., assignor.)
- Dodgson, F. L., Buffalo, N. Y. Relay. No. 896,809; Aug. 25; Sp. p. 4065; Dr. pp. 874-5; Gaz. vol. 135; p. 1627.
- Dodgson, F. L., assignor to General Railway Signal Company, Buffalo, N. Y. Relay. No. 896,808; Aug. 25; Sp. p. 4064; Dr. p. 874; Gaz. vol. 135; p. 1627.
- Dods, J. H., Cherryvale, Kans. Making wrought articles. No. 878,871; Feb. 11; Sp. p. 2048; Dr. p. 424; Gaz. vol. 132; p. 1204.
- Dodson, C. I., Pittsburg, Kans. Apparatus for exploding mine charges. No. 898,847; Sept. 15; Sp. p. 3201; Dr. p. 686; Gaz. vol. 136; p. 582.
- Dodson, C. I., Pittsburg, Kans. Means for exploding blast charges. No. 898,848; Sept. 15; Sp. p. 3204; Dr. p. 687; Gaz. vol. 136; p. 582.
- Dodson, I. B., Milan, Mo. Folding camp-cupboard. No. 900,495; Oct. 6; Sp. p. 918; Dr. p. 187; Gaz. vol. 136; p. 1212.
- Dodsworth, M., assignor to Nelson Baker & Co., Detroit, Mich. Antiseptic organic silver compound. No. 900,835; Oct. 13; Sp. p. 1633; Gaz. vol. 136; p. 1351.
- Doebbeling, A. J., Claude, Tex. Variable-speed mechanism. No. 890,344; June 9; Sp. p. 2332; Dr. p. 514; Gaz. vol. 134; p. 1458.
- Doelling, L. K., New Rochelle, N. Y., assignor to De La Vergne Machine Company. Pump. No. 877,492; Jan. 28; Sp. p. 3698; Dr. p. 802; Gaz. vol. 132; p. 691.
- Doerflinger, W. F., Niagara Falls, N. Y. Mixed paint and making same. No. 884,475; Apr. 14; Sp. p. 1629; Gaz. vol. 133; p. 1483.
- Doerflinger, W. F., and L. H. Buck, Niagara Falls, assignors, by mesne assignments, to M. Stine, New York, N. Y., and E. F. C. Young, Jersey City, N. J. Wurtzillite. No. 903,275; Nov. 10; Sp. p. 1485; Gaz. vol. 137; p. 274.
- Doerscher, J., Davenport, Iowa. Student's lap-board and book-support. No. 896,091; Aug. 18; Sp. p. 2619; Dr. p. 567; Gaz. vol. 135; p. 1372.
- Doggwyler, J. E., Seattle, Wash. Concentrator. No. 878,363; Feb. 4; Sp. p. 953; Dr. p. 191; Gaz. vol. 132; p. 1003.
- Dogura, T. (See Inouye and Dogura.)
- Dohan, J. M., Darlington, Pa. Apparatus for reclaiming matter discharged in the manufacture of pulp and paper. No. 881,383; Mar. 10; Sp. p. 1787; Dr. p. 386; Gaz. vol. 133; p. 328.
- Doherty, G. V., Boston, Mass. Non-refillable bottle. No. 875,987; Jan. 7; Sp. p. 589; Dr. p. 126; Gaz. vol. 132; p. 102.
- Doherty, H. L., Madison, Wis. Purifier-box. No. 878,128; Feb. 4; Sp. p. 467; Dr. pp. 99-100; Gaz. vol. 132; p. 925.
- Doherty, H. L., Madison, Wis. Apparatus for spraying liquids. No. 901,597; Oct. 20; Sp. p. 3206; Dr. p. 657; Gaz. vol. 136; p. 1635.
- Doherty, H. L., Madison, Wis., assignor to Combustion Utilities Company, New York, N. Y. Heating cement-kilns by producer-gas and apparatus therefor. No. 887,316; May 12; Sp. p. 2009; Dr. p. 421; Gaz. vol. 134; p. 352.
- Doherty, J. L., Denver, Colo. Relief-valve. No. 887,033; May 5; Sp. p. 1377; Dr. p. 292; Gaz. vol. 134; p. 229.
- Döhn, W. von, Berlin-Schöneberg, Germany, assignor to H. G. Taube, Montclair, N. J. Atomizer. No. 885,027; Apr. 21; Sp. p. 2780; Dr. pp. 589-90; Gaz. vol. 133; p. 1694.
- Döhning, G. F., Cranford, N. J. Pneumatic valve. No. 885,737; Apr. 28; Sp. p. 4261; Dr. p. 892; Gaz. vol. 133; p. 1952.
- Doide, W. C., Lodi, Cal. Garden implement. No. 888,147; May 19; Sp. p. 3650; Dr. p. 764; Gaz. vol. 134; p. 652.
- Doinkoff, W., Karlsruhe, Germany. Alternating-current commutator dynamo-electric machine. No. 907,578; Dec. 22; Sp. p. 4785; Gaz. vol. 137; p. 1873.
- Dokkenwadel, F. G., Coshocton, Ohio. Insecticide-fertilizer. No. 888,148; May 19; Sp. p. 3652; Gaz. vol. 134; p. 653.
- Dolan, C. P., Boston, Mass. Tremolo-meter. No. 878,615; Feb. 11; Sp. p. 1564; Dr. p. 318; Gaz. vol. 132; p. 1122.
- Dolan, C. P., Boston, Mass. Combination piano-tuning hammer. No. 892,506; July 7; Sp. p. 231; Dr. p. 48; Gaz. vol. 135; p. 43.
- Dolan, J., Dayton, Ohio. Electric-railway bond. No. 890,036; June 9; Sp. p. 1667; Dr. p. 371; Gaz. vol. 134; p. 1355.
- Doland, E. G., Starksboro, Vt. Bob-sled and brake therefor. No. 901,790; Oct. 20; Sp. p. 3628; Dr. p. 735; Gaz. vol. 136; p. 1699.
- Doland, E. G., Starksboro, Vt. Brake mechanism for wagons. No. 903,847; Nov. 17; Sp. p. 2645; Gaz. vol. 137; p. 491.
- Doldt, J. E., and H. L. Cheney; said H. L. Cheney assignor of his right to L. Y. Cheney, Portland, Me. Lock-mortiser. No. 891,606; June 23; Sp. p. 4903; Dr. p. 1057; Gaz. vol. 134; p. 1933.
- Dolese, N., Toronto, Ontario, Canada. Vacuum-valve for steam-heating. No. 900,153; Oct. 6; Sp. p. 171; Dr. p. 35; Gaz. vol. 136; p. 1101.
- Dolezal, F. M., Chicago, Ill. Holder for hooks and eyes. No. 877,637; Jan. 28; Sp. p. 4006; Dr. p. 865; Gaz. vol. 132; p. 739.
- Dolge, A., Los Angeles, Cal. Making sounding-boards for pianos. No. 879,373; Feb. 18; Sp. p. 3030; Dr. p. 631; Gaz. vol. 132; p. 1406.
- Dolge, C. B., Westport, Conn. Concentrated embalming liquid. No. 892,654; July 7; Sp. p. 508; Gaz. vol. 135; p. 90.
- Doll, C. E., *et al.* (See Ramaley, W. H., assignor.)
- Doll, H., assignor to Society Peignages & Filatures De Bourre De Soie, Paris, France. Spinning, twisting, and like apparatus. No. 891,917; June 30; Sp. p. 5566; Dr. p. 1199; Gaz. vol. 134; p. 2072.
- Dollar, E. F., Pelham, Ga. Fish-trap. No. 894,196; July 28; Sp. p. 3806; Dr. p. 788; Gaz. vol. 135; p. 676.
- Dolles, J. F., Chester, Ill. Folding umbrella. No. 892,813; July 7; Sp. p. 823; Dr. p. 176; Gaz. vol. 135; p. 141.
- Dollison, C. C., Lancaster, Ohio. Combined roller and harrow. No. 876,951; Jan. 21; Sp. p. 2600; Dr. pp. 565-6; Gaz. vol. 132; p. 491.
- Dolson, D. E., and E. R. Pease, Charlotte, Mich. Clutch. No. 894,426; July 28; Sp. p. 4298; Dr. pp. 886-7; Gaz. vol. 135; p. 753.
- Dom, A. (See Maltby and Dom.)
- Dom, A., Hartwell, assignor to Twinlock Company, Cincinnati, Ohio. Loose-leaf binder. No. 878,281; Feb. 4; Sp. p. 794; Dr. p. 159; Gaz. vol. 132; p. 976.
- Doman, L. B., Elbridge, N. Y. Roller for paper music-sheets. No. 904,762; Nov. 24; Sp. p. 4577; Gaz. vol. 137; p. 827.
- Doman, L. B., assignor to Amphion Piano-Player Company, Elbridge, N. Y. Air-motor. No. 881,885; Mar. 10; Sp. p. 2779; Dr. pp. 596-7; Gaz. vol. 133; p. 491.
- Doman, L. B., assignor to Amphion Piano Player Company, Elbridge, N. Y. Motor-action for self-playing musical instruments. No. 900,496; Oct. 6; Sp. p. 920; Dr. p. 187; Gaz. vol. 136; p. 1212.
- Domeneq-Cazaux, H. M., Paris, France. Pumping and compressing apparatus for aeriform fluids. No. 900,988; Oct. 13; Sp. p. 1948; Dr. p. 397; Gaz. vol. 136; p. 1400.
- Dominion Novelty Manufacturing Company, Limited. (See Hall, C. M., assignor.)
- Domman, R., Pontiac, Mich. Wheel. No. 907,475; Dec. 22; Sp. p. 4604; Gaz. vol. 137; p. 1841.
- Domsgen, E., and F. L. Kujawa, Magdeburg, Germany. Holder for standing matter. No. 883,302; Mar. 31; Sp. p. 5613; Dr. p. 1197; Gaz. vol. 133; p. 1046.
- Donville, J. W., Montreal, Quebec, Canada. Lubricator. No. 898,448; Sept. 15; Sp. p. 2450; Dr. p. 524; Gaz. vol. 136; p. 454.
- Donahay, A. V., New Philadelphia, Ohio. Novelty surprise-envelop. No. 904,052; Nov. 17; Sp. p. 3077; Gaz. vol. 137; p. 559.
- Donahoe, W. Y., Cascade, Iowa. Breech-loading ordnance. No. 901,791; Oct. 20; Sp. p. 3631; Dr. p. 735; Gaz. vol. 136; p. 1700.
- Donahoe, W. Y., Cascade, Iowa. Motor-vehicle. No. 904,687; Nov. 24; Sp. p. 4418; Gaz. vol. 137; p. 802.
- Donaldson, A. E. (See Dingman, F., assignor.)
- Donaldson, B. W. (See Horton, E. H., assignor.)

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- Donaldson, E. B., assignor of one-half to F. A. Linger, Washington, D. C. Attachment for phonographs. No. 880,016; Feb. 25; Sp. p. 4398; Dr. pp. 923-4; Gaz. vol. 132; p. 1650.
- Donaldson, J. H., Chicago, Ill. Vestibule-diaphragm. No. 882,516; Mar. 17; Sp. p. 4010; Dr. p. 857; Gaz. vol. 133; p. 725.
- Donaldson, J. R., New York, N. Y. Attachment for stone-planing machines. No. 906,782; Dec. 15; Sp. p. 3221; Gaz. vol. 137; p. 1578.
- Donaldson, J. W., Houston, Tex. Hinge. No. 881,308; Mar. 10; Sp. p. 1637; Dr. p. 350; Gaz. vol. 133; p. 305.
- Donaldson, M., Oklahoma, Okla. Abdominal supporter. No. 880,444; Feb. 25; Sp. p. 5268; Dr. p. 1108; Gaz. vol. 132; p. 1792.
- Donaldson, R. E. (See Willard and Donaldson.)
- Donaldson, W. I., Paulsboro, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Cartridge-loading machine. No. 899,592; Sept. 29; Sp. p. 4644; Dr. pp. 997-8; Gaz. vol. 136; p. 888.
- Donaldson, W. R. (See Avery, F. C., assignor.)
- Donaldson, W. R., *et al.* (See Hay, J. D., assignor.)
- Donaldson, W. R., and G. W. Marble, Chicago, Ill. Power-transmission mechanism. No. 906,118; Dec. 8; Sp. p. 1978; Gaz. vol. 137; p. 1337.
- Donati, D. E., Cayucos, Cal. Shell-extractor. No. 892,230; June 30; Sp. p. 6172; Dr. p. 1329; Gaz. vol. 134; p. 2173.
- Donavan, J., Rantoul Ill. Trace-support. No. 903,363; Nov. 10; Sp. p. 1653; Gaz. vol. 137; p. 303.
- Donell, A. C., Canonsburg, Pa. Tin-transferring machine. No. 889,589; June 2; Sp. p. 793; Dr. p. 181; Gaz. vol. 134; p. 1185.
- Doner, G. M., Toledo, Ohio. Filing-receptacle. No. 892,141; June 30; Sp. p. 5994; Dr. p. 1283; Gaz. vol. 134; p. 2143.
- Doney, P., and A. P. Cochrane, Monongahela, Pa. Sprinkling-car for mines. No. 902,950; Nov. 3; Sp. p. 843; Gaz. vol. 137; p. 139.
- Dönitz, E. (See König and Dönitz.)
- Donnelly, B. C. (See Burri and Donnelly.)
- Donnelly, F. A., Bayonne, N. J., and J. E. Blanthorn, Brooklyn, N. Y. Feed-bag. No. 885,454; Apr. 21; Sp. p. 3666; Dr. p. 768; Gaz. vol. 133; p. 1834.
- Donnelly, F. V., Greensburg, Pa. Envelop. No. 898,849; Sept. 15; Sp. p. 3208; Dr. p. 687; Gaz. vol. 136; p. 583.
- Donnelly, F. V., Greensburg, Pa. Curtain-pole. No. 900,497; Oct. 6; Sp. p. 924; Dr. p. 188; Gaz. vol. 136; p. 1213.
- Donnelly, J. A., New York, N. Y. Steam-heating system. No. 882,300; Mar. 17; Sp. p. 3625; Dr. p. 769; Gaz. vol. 133; p. 653.
- Donnelly, J. F. (See Kennedy, C. E., assignor.)
- Donnelly, J. S., Sharon, and J. Frederick, Copley, assignors to said Donnelly and M. D. Kilmer, Cleveland, Ohio. Land rolling and pulverizing machine. No. 880,445; Feb. 25; Sp. p. 5270; Dr. p. 1108; Gaz. vol. 132; p. 1792.
- Donnelly, W. E., Cleveland, Ohio. Tote-box. No. 903,848; Nov. 17; Sp. p. 2649; Gaz. vol. 137; p. 491.
- Donner, P. C., Summit, N. J. Apparatus for drying, baking, or roasting. No. 895,077; Aug. 4; Sp. p. 600; Dr. pp. 124-5; Gaz. vol. 135; p. 994.
- Donner, P. E., and M. W. Hogle, Pittsburg, Pa.; said Hogle assignor to said Donner. Matching mechanism. No. 897,526; Sept. 1; Sp. p. 559; Dr. pp. 122-4; Gaz. vol. 136; p. 93.
- Donner, W. H. (See Macfarren, W. W., assignor.)
- Donnersberg, S., Stanislawow, Austria-Hungary. Water-gage. No. 897,198; Aug. 25; Sp. p. 4869; Dr. pp. 1035-6; Gaz. vol. 135; p. 1754.
- Donning, G. W., East Orange, assignor to H. T. Ambrose, Orange, N. J. Electrical type-writer. No. 879,814; Feb. 18; Sp. p. 3933; Dr. pp. 824-5; Gaz. vol. 132; p. 1549.
- Donning, G. W., Stamford, Conn., assignor to H. T. Ambrose, Orange, N. J. Type-writer. No. 879,815; Feb. 18; Sp. p. 3938; Dr. pp. 825-7; Gaz. vol. 132; p. 1550.
- Donoho, R. D., Columbus, Miss. Type-writer attachment. No. 891,918; June 30; Sp. p. 5567; Dr. p. 1200; Gaz. vol. 134; p. 2072.
- Donohoe, T., Avella, Pa. Pneumatic tool. No. 895,349; Aug. 4; Sp. p. 1148; Dr. p. 241; Gaz. vol. 135; p. 1086.
- Donohue, J. S. (See Moran and Donohue.)
- Donoughe, F. J., Gallitzin, Pa. Device for handling beer-kegs. No. 896,714; Aug. 25; Sp. p. 3846; Dr. p. 832; Gaz. vol. 135; p. 1593.
- Donovan, A., assignor of one-half to W. Donovan, Waupun, Wis. Display-stand. No. 908,216; Dec. 29; Sp. p. 6192; Gaz. vol. 137; p. 2116.
- Donovan, J. D., assignor of two-thirds to W. F. and M. P. Davis, Kansas City, Mo. Clutch mechanism for railway-car and locomotive wheels. No. 890,760; June 16; Sp. p. 3195; Dr. p. 698; Gaz. vol. 134; p. 1627.
- Donovan, J. P., San Francisco, Cal. Crude-oil burner. No. 877,178; Jan. 21; Sp. p. 3091; Dr. p. 668; Gaz. vol. 132; p. 568.
- Donovan, P. J., Grass Valley, Cal. Filter. No. 891,048; June 16; Sp. p. 3783; Dr. pp. 825-6; Gaz. vol. 134; p. 1722.
- Donovan, T. J., East Pittsburg, Pa. Rail-retainer. No. 902,384; Oct. 27; Sp. p. 4840; Dr. p. 979; Gaz. vol. 136; p. 1921.
- Donovan, W. (See Donovan, A., assignor.)
- Dooley, A. J., Topeka, Kans. Machine for twisting wire into lightning-rods. No. 895,440; Aug. 11; Sp. p. 1330; Dr. p. 280; Gaz. vol. 135; p. 1139.
- Doolittle, J. E., assignor to Birdsey-Somers Company, Bridgeport, Conn. Abdominal hose-supporter attachment for corsets. No. 887,001; May 12; Sp. p. 2576; Dr. p. 544; Gaz. vol. 134; p. 444.
- Doolittle, J. F., assignor to Cleveland Steel Tool Company, Cleveland, Ohio. Punch. No. 900,009; Sept. 29; Sp. p. 5529; Dr. p. 1179; Gaz. vol. 136; p. 1023.
- Doolittle, N. R. (See Brintnall and Doolittle.)
- Doolittle, P. E., Toronto, Ontario, Canada. Vehicle-tire. No. 879,610; Feb. 18; Sp. p. 3554; Dr. p. 743; Gaz. vol. 132; p. 1483.
- Doolittle, R. E., New York, N. Y. Electrotape-block. No. 898,196; Sept. 8; Sp. p. 1958; Dr. p. 418; Gaz. vol. 136; p. 340.
- Doolittle, W. W., Evanston, assignor to Crane Company, Chicago, Ill. Molding-machine. No. 878,510; Feb. 11; Sp. p. 1317; Dr. pp. 266-7; Gaz. vol. 132; p. 1085.
- Doolittle, W. W., Evanston, assignor to Crane Company, Chicago, Ill. Molding-machine. No. 888,595; May 26; Sp. p. 4547; Dr. p. 964; Gaz. vol. 134; p. 833.
- Doolittle, W. W., Evanston, assignor to Crane Company, Chicago, Ill. Molding-machine. No. 888,596; May 26; Sp. p. 4550; Dr. p. 965; Gaz. vol. 134; p. 833.
- Döppenschmitt, P., Pforzheim, Germany. Bracelet, bangle, ring, and the like. No. 895,078; Aug. 4; Sp. p. 604; Dr. p. 126; Gaz. vol. 135; p. 994.
- Dopplmaier, M. H., Eureka, Cal. Cartridge-reloading tool. No. 885,589; Apr. 21; Sp. p. 3941; Dr. p. 823; Gaz. vol. 133; p. 1874.
- Doppes, E. P. (See Lambert and Doppes.)
- Doran, J., *et al.*, administrators. (See Edlund, C. A.)
- Doran, J., Empire, Mich. Door-hanger. No. 900,270; Oct. 6; Sp. p. 428; Dr. p. 87; Gaz. vol. 136; p. 1138.
- Doran, J. A. (See Doran, J. C. and J. A.) (Reissue.)
- Doran, J. C. and J. A., Providence, R. I. Jewelry component. (Reissue.) No. 12,888; Nov. 24; Sp. p. 5359; Gaz. vol. 137; p. 956.
- Doremus, W. D., assignor to H. L. Bryan, trustee, Washington, D. C. Workman's time-recorder. No. 894,173; July 21; Sp. p. 3738; Dr. pp. 773-4; Gaz. vol. 135; p. 648.
- Doremus, W. D., assignor to H. L. Bryan, trustee, Washington, D. C. Autograph time-recorder. No. 900,059; Sept. 29; Sp. p. 5650; Dr. pp. 1206-8; Gaz. vol. 136; p. 1039.
- Dorey, J., Seattle, Wash. Phonograph-record cabinet. No. 887,602; May 12; Sp. p. 2577; Dr. p. 544; Gaz. vol. 134; p. 444.
- Dorff, C. J., Chicago, Ill. Electric-wire splicer. No. 891,825; June 30; Sp. p. 5393; Dr. p. 1166; Gaz. vol. 134; p. 2041.
- Dorff, C. J., assignor to F. Greer, Chicago, Ill. Insulator-pin. No. 890,891; June 16; Sp. p. 3444; Dr. p. 754; Gaz. vol. 134; p. 1669.
- Dorff, C. J., assignor to F. Greer, Chicago, Ill. Electric outlet-box. No. 895,441; Aug. 11; Sp. p. 1332; Dr. p. 280; Gaz. vol. 135; p. 1139.
- Dorff, C. J., assignor to F. Greer, Chicago, Ill. Electric outlet-box. No. 905,998; Dec. 8; Sp. p. 1749; Gaz. vol. 137; p. 1300.
- Dorgeloh, G. H., Schenectady, N. Y., assignor to General Electric Company. Circuit-controlling device. No. 890,621; June 16; Sp. p. 2891; Dr. p. 635; Gaz. vol. 134; p. 1581.
- Dorgeloh, G. H., Schenectady, N. Y., assignor to General Electric Company. Rheostat. No. 894,614; July 28; Sp. p. 4665; Dr. p. 969; Gaz. vol. 135; p. 814.
- Dorlitz, C. M., Grimsby, Ontario, Canada. Axle-bearing. No. 902,058; Oct. 27; Sp. p. 4166; Dr. p. 843; Gaz. vol. 136; p. 1815.
- Dorman, E. S., assignor of one-half to P. P. Hastings, Newark, N. J. Hose and garment supporter. No. 899,484; Sept. 22; Sp. p. 4404; Dr. p. 945; Gaz. vol. 136; p. 815.
- Dorman, G. W., assignor to Sumner Iron Works, Everett, Wash. Shingle-machine. No. 885,327; Apr. 21; Sp. p. 3423; Dr. p. 715; Gaz. vol. 133; p. 1794.
- Dorman, M. B., Mill Hall, Pa. Fruit-conveyer. No. 876,529; Jan. 14; Sp. p. 1718; Dr. p. 373; Gaz. vol. 132; p. 312.
- Dorman, W. S., Brooklyn, assignor to Spring Seal Company, New York, N. Y. Bottle-seal. No. 881,780; Mar. 10; Sp. p. 2546; Dr. p. 548; Gaz. vol. 133; p. 455.
- Dorman, W. S., Brooklyn, N. Y., assignor to Spring Seal Company, Augusta, Me. Bottle-stoppering machine. No. 904,763; Nov. 24; Sp. p. 4578; Gaz. vol. 137; p. 827.
- Dormandy, G. J., assignor to United Shirt & Collar Company, Troy, N. Y. Folding-machine. No. 904,317; Nov. 17; Sp. p. 3664; Gaz. vol. 137; p. 653.
- Dormandy, G. J., assignor to United Shirt and Collar Company, Troy, N. Y. Machine for folding blanks for cuffs and the like. No. 904,516; Nov. 24; Sp. p. 4080; Gaz. vol. 137; p. 744.
- Dormoy, E. A. (See Georges and Dormoy.)
- Dorn, C., Philadelphia, Pa. Lubricator. No. 887,603; May 12; Sp. p. 2579; Dr. p. 544; Gaz. vol. 134; p. 445.
- Dorn, C., Philadelphia, Pa. Glass-tube cutter. No. 887,604; May 12; Sp. p. 2580; Dr. p. 544; Gaz. vol. 134; p. 445.

Alphabetical list of patentees—Continued.

- Dorn, M. (See Gbkey, Chambers, and Laprese, assignors.)
Dorn, M., St. Louis, Mo. Ventilator. No. 887,722; May 12; Sp. p. 2799; Dr. p. 592; Gaz. vol. 134; p. 486.
Dornberger, J., Toledo, Ohio. Car-fender. No. 896,279; Aug. 18; Sp. p. 2964; Dr. p. 639; Gaz. vol. 135; p. 1432.
Dornfeld, J. F., Chicago, Ill. Cut-off slide. No. 879,751; Feb. 18; Sp. p. 3826; Dr. p. 802; Gaz. vol. 132; p. 1529.
Dornfeld, J. F., Chicago, Ill. Malting-kiln. No. 890,031; June 9; Sp. p. 1668; Dr. pp. 371-2; Gaz. vol. 134; p. 1355.
Dornfeld, J. F., Chicago, Ill. Clutch. No. 905,156; Dec. 1; Sp. p. 65; Gaz. vol. 137; p. 993.
Dornin, T. B., assignor of one-half to J. M. Umstadter, Norfolk, Va. Apparatus for testing fluid-meters. No. 899,959; Sept. 29; Sp. p. 5419; Dr. pp. 1155-6; Gaz. vol. 136; p. 1006.
Dornin, T. B., assignor of one-half to J. M. Umstadter, Norfolk, Va. Apparatus for testing fluid-meters. No. 899,960; Sept. 29; Sp. p. 5421; Dr. p. 1156; Gaz. vol. 136; p. 1006.
Doront, F., Paterson, N. J. Shock-absorber. No. 891,607; June 23; Sp. p. 4904; Dr. p. 1057; Gaz. vol. 134; p. 1934.
Dorothy, R., Conconully, Wash. Tension device for shoe-laces. No. 889,770; June 2; Sp. p. 1132; Dr. p. 263; Gaz. vol. 134; p. 1242.
Dorris, S. M., assignor of one-half to W. E. Talbot, Broken Bow, Nebr. Antirattler for vehicle shafts and tongues. No. 881,309; Mar. 10; Sp. p. 1638; Dr. p. 350; Gaz. vol. 133; p. 305.
Dorrity, M., Syracuse, N. Y. Instep-pad. No. 879,527; Feb. 18; Sp. p. 3350; Dr. p. 700; Gaz. vol. 132; p. 1456.
Dorsey, A. L., Russellville, Ind. Locking nut and washer. No. 892,507; July 7; Sp. p. 233; Dr. p. 49; Gaz. vol. 135; p. 43.
Dorsey, F. F., New York, N. Y., assignor to A. F. Staples, Dorchester, and C. W. Potter, Waltham, Mass. Account-register. No. 882,817; Mar. 24; Sp. p. 4619; Dr. p. 985; Gaz. vol. 133; p. 856.
Dorsey, H. G., Ithaca, N. Y. Electric indicating system for railways. No. 892,814; July 7; Sp. p. 825; Dr. p. 176; Gaz. vol. 135; p. 141.
Dorsey, H. G., Granville, Ohio. Automatic deposit-box. No. 904,318; Nov. 17; Sp. p. 3671; Gaz. vol. 137; p. 653.
Dorsey, W. A., Liberty, W. Va. Safety-catch for elevators. No. 884,908; Apr. 14; Sp. p. 2525; Dr. p. 534; Gaz. vol. 133; p. 1624.
Dorsheimer, H. P., York, Pa. Blacksmith's forge. No. 886,773; May 5; Sp. p. 903; Dr. p. 187; Gaz. vol. 134; p. 148.
Dörising, F., Iserlohn, Germany, assignor to Firm of F. Soenneken. Device for grinding writing-pens. No. 900,271; Oct. 6; Sp. p. 430; Dr. pp. 87-8; Gaz. vol. 136; p. 1139.
Dorward, E. P., assignor of one-fourth to C. F. Carroll, Marion, Ohio. Music-holder. No. 876,303; Jan. 7; Sp. p. 1222; Dr. p. 266; Gaz. vol. 132; p. 204.
Dorward, E. P., assignor of one-fourth to C. F. Carroll, Marion, Ohio. Music-leaf turner. No. 876,781; Jan. 14; Sp. p. 2225; Dr. p. 489-90; Gaz. vol. 132; p. 395.
Dorward, J. G., San Francisco, Cal. Smooth-edger for fabrics. No. 879,528; Feb. 18; Sp. p. 3352; Dr. p. 700; Gaz. vol. 132; p. 1456.
Dosch, P., Bridgeport, Conn. Floor-scraper. No. 890,849; June 16; Sp. p. 3367; Dr. p. 738; Gaz. vol. 134; p. 1636.
Doss, G. W., Erick, Okla. Buckle. No. 880,067; Feb. 25; Sp. p. 4507; Dr. p. 947; Gaz. vol. 132; p. 1666.
Dosselman, G., assignor to Adams and Elting Company, Chicago, Ill. One-coat surface-finish. No. 893,987; July 21; Sp. p. 3364; Gaz. vol. 135; p. 587.
Dosselman, G., and J. S. Motter, assignors to Adams and Elting Company, Chicago, Ill. One-coat surface-finish. No. 890,504; June 9; Sp. p. 2627; Gaz. vol. 134; p. 1509.
Dosselman, G., and P. Neymann, Chicago, Ill., assignors to Chadeloid Chemical Company, New York, N. Y. Removing surface finishes. No. 907,685; Dec. 22; Sp. p. 5074; Gaz. vol. 137; p. 1909.
Dossert & Company. (See Dossert, J. J., assignor.)
Dossert, J. J., New York, N. Y., assignor to Dossert & Company. Insulated coupling for electric conductors. No. 892,411; July 7; Sp. p. 38; Dr. p. 11; Gaz. vol. 135; p. 10.
Dossert, J. J., New York, N. Y., assignor to Dossert & Company. Branch connection for electric cables. No. 896,200; Aug. 18; Sp. p. 2810; Dr. p. 605; Gaz. vol. 135; p. 1405.
Dostal, J. F., assignor of two-thirds to W. J. Barker and C. W. Humphreys, Denver, Colo. Crossing-protector for high-tension lines. No. 891,049; June 16; Sp. p. 3785; Dr. p. 826; Gaz. vol. 134; p. 1722.
Dotts, C. F., B. Gallagher, and W. Rummel, Allegheny, Pa. Pipe-coupling. No. 889,113; May 26; Sp. p. 5631; Dr. p. 1192; Gaz. vol. 134; p. 1000.
Doty, A. J., Mount Vernon, N. Y., assignor of one-half to C. Berg, Philadelphia, Pa. Changing batteries in electrically-propelled vehicles. No. 900,359; Oct. 6; Sp. p. 595; Dr. p. 123; Gaz. vol. 136; p. 1166.
Doty, M. F., Chicago, Ill. Wheel-guard. No. 879,752; Feb. 18; Sp. p. 3827; Dr. p. 802; Gaz. vol. 132; p. 1530.
Double Body Bolster Company. (See Howard and Pfleger, assignors.)
Double, E. (See Daniel, C., assignor.)
Double Pointed Safety Pin Mfg. Co. (See Kaspar and Krejci, assignors.)
Doubler, J. W. H., Milton, assignor of one-half to J. M. Hayes, Montoursville, Pa. Voting-machine. No. 896,201; Aug. 18; Sp. p. 2813; Dr. pp. 606-7; Gaz. vol. 135; p. 1405.
Doud, R. B., Sheffield, Ala. Twyer-stock cap. No. 891,151; June 16; Sp. p. 3948; Dr. p. 865; Gaz. vol. 134; p. 1752.
Doud, W. E., Topeka, Kans. Combined curtain-pole and shade-holder. No. 882,054; Mar. 17; Sp. p. 3159; Dr. p. 671; Gaz. vol. 133; p. 574.
Douds, F. C., S. H., and R. A., New Castle, Pa. Combined turbine water-motor and fan-blower. No. 876,152; Jan. 7; Sp. p. 912; Dr. p. 197; Gaz. vol. 132; p. 155.
Douds, R. A. (See Douds, F. C., S. H., and R. A.)
Douds, S. H. (See Douds, F. C., S. H., and R. A.)
Dougan, K., Minneapolis, Minn. Wheat-steamer. No. 891,468; June 23; Sp. p. 4623; Dr. p. 1004; Gaz. vol. 134; p. 1890.
Dougan, K., Minneapolis, Minn. Apparatus for dampening wheat and other materials. No. 900,837; Oct. 13; Sp. p. 1636; Dr. p. 331; Gaz. vol. 136; p. 1352.
Dougan, K., Minneapolis, Minn. Wheat-wetting device. No. 903,961; Nov. 17; Sp. p. 2896; Gaz. vol. 137; p. 529.
Dougan, K., Minneapolis, Minn., assignor to Columbian Feed Governor Company. Grain-steamer. No. 900,836; Oct. 13; Sp. p. 1633; Dr. p. 330; Gaz. vol. 136; p. 1352.
Dougan, S., Pawnee, Okla. Poultry-trough. No. 908,217; Dec. 29; Sp. p. 6193; Gaz. vol. 137; p. 2116.
Dougherty, C. E., Elizabeth, N. J. Bottle-stopper. No. 898,564; Sept. 15; Sp. p. 2673; Dr. p. 571; Gaz. vol. 136; p. 490.
Dougherty, C. S., Milwaukee, Wis. Fence-post. No. 877,638; Jan. 28; Sp. p. 4007; Dr. p. 865; Gaz. vol. 132; p. 739.
Dougherty, J. E. (See Hogan, M. E., assignor.)
Dougherty, J. W., McKeesport, Pa. Steam-turbine. No. 893,149; July 14; Sp. p. 1554; Dr. p. 328; Gaz. vol. 135; p. 283.
Dougherty, M. F., assignor of two-fifths to W. H. Whitesell, Los Angeles, Cal. Thread holder and waxer. No. 897,822; Sept. 1; Sp. p. 1183; Dr. p. 251; Gaz. vol. 136; p. 187.
Dougherty, O. T., Minneapolis, Minn. Car-replacing wheel. No. 882,101; Mar. 17; Sp. p. 3243; Dr. p. 689; Gaz. vol. 133; p. 590.
Dougherty, T., Minneapolis, Minn. Grain-bin. No. 894,122; July 21; Sp. p. 3631; Dr. p. 748; Gaz. vol. 135; p. 632.
Dougherty, W., and C. Y. James, Chester, Pa. Water-tube boiler. No. 902,951; Nov. 3; Sp. p. 844; Gaz. vol. 137; p. 139.
Dougherty, W. G., Pocatello, Idaho. Water-elevator. No. 876,780; Jan. 14; Sp. p. 2222; Dr. pp. 488-9; Gaz. vol. 132; p. 394.
Douglass, A. W., Albuquerque, N. Mex. Ter. Multiplex telegraph system. No. 895,350; Aug. 4; Sp. p. 1149; Dr. p. 241; Gaz. vol. 135; p. 1086.
Douglass, B., Grosse Ile, Mich. Method and apparatus for constructing subaqueous tunnels. No. 888,790; May 26; Sp. p. 4966; Dr. pp. 1060-1; Gaz. vol. 134; p. 895.
Douglass, H. A. (See Clark and Douglass.)
Douglass, H. J. (See Rich, C. C., assignor.)
Douglass, J. A., and J. Bartleson, Grand Chain, Ill. Mail-bag catcher and deliverer. No. 894,123; July 21; Sp. p. 3634; Dr. p. 749; Gaz. vol. 135; p. 633.
Douglass, P. H., assignor to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Machine for quenching coke. No. 892,032; June 30; Sp. p. 5785; Dr. pp. 1244-5; Gaz. vol. 134; p. 2107.
Douglass, W. H., Belleville, N. J., assignor to Healey & Co., New York, N. Y. Driving mechanism for motor-vehicles. No. 891,152; June 16; Sp. p. 3949; Dr. pp. 865-6; Gaz. vol. 134; p. 1752.
Douglass, A. A., Jr., and D. F., assignors of one-half to D. H. McGregor, Ruby, and D. S. Matheson, Cheraw, S. C. Double mail-bag deliverer. No. 888,970; May 26; Sp. p. 5351; Dr. p. 1135; Gaz. vol. 134; p. 955.
Douglass, C. H., Philadelphia, Pa. Holder for gramophone disk records. No. 877,060; Jan. 21; Sp. p. 2838; Dr. p. 613; Gaz. vol. 132; p. 529.
Douglass, D. F. (See Douglass, A. A., Jr., and D. F.)
Douglass, L. F., San Rafael, Cal. Fishing-reel. No. 890,892; June 16; Sp. p. 3446; Dr. p. 755; Gaz. vol. 134; p. 1669.
Douglass, L. F., Philadelphia, Pa., assignor to Victor Talking Machine Company. Stand and record-cabinet for talking-machines. No. 892,031; June 30; Sp. p. 5783; Dr. p. 1244; Gaz. vol. 134; p. 2107.
Douglass, L. F., Philadelphia, Pa., assignor to Victor Talking Machine Company. Sound-box for talking-machines. No. 902,280; Oct. 27; Sp. p. 4617; Dr. p. 938; Gaz. vol. 136; p. 1886.
Douglass, R. W. (See Underwood and Douglass.)
Douglass, R. W., Lynn, Mass., assignor to General Electric Company. Balancer set. No. 888,392; May 19; Sp. p. 4109; Dr. p. 867; Gaz. vol. 134; p. 731.
Douse, F. A., Seattle, Wash. Steam-turbine. No. 876,580; Jan. 14; Sp. p. 1718; Dr. p. 373; Gaz. vol. 132; p. 312.

Alphabetical list of patentees—Continued.

- Douty, J. G. (See Huse and Douty.)
Dove, H. A. (See Graves, R. R., assignor.)
Dove, J. M., Washington, D. C., J. S. Bancroft, and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Type-composing machine. No. 889,913; June 9; Sp. p. 1423; Dr. pp. 322-3; Gaz. vol. 134; p. 1315.
Dover, G. W., Cranston, R. I. Cuff-button. No. 878,616; Feb. 11; Sp. p. 1567; Dr. p. 318; Gaz. vol. 132; p. 1122.
Dover, G. W., Cranston, R. I. Pin. No. 896,363; Aug. 18; Sp. p. 3151; Dr. p. 677; Gaz. vol. 135; p. 1458.
Dover, G. W., Cranston, R. I. Pin. No. 896,810; Aug. 25; Sp. p. 4066; Dr. p. 875; Gaz. vol. 135; p. 1627.
Dover, G. W., Cranston, R. I. Mounting. No. 899,516; Sept. 29; Sp. p. 4478; Dr. p. 962; Gaz. vol. 136; p. 862.
Dover, H. W., Northampton, England. Pneumatic tire. No. 900,498; Oct. 6; Sp. p. 925; Dr. p. 188; Gaz. vol. 136; p. 1213.
Dow, A., New York, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 886,584; May 5; Sp. p. 472; Dr. pp. 100-1; Gaz. vol. 134; p. 86.
Dow, A., New York, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 886,585; May 5; Sp. p. 476; Dr. pp. 101-2; Gaz. vol. 134; p. 87.
Dow, A., New York, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 886,586; May 5; Sp. p. 480; Dr. pp. 102-3; Gaz. vol. 134; p. 87.
Dow, A., New York, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 886,587; May 5; Sp. p. 487; Dr. pp. 104-5; Gaz. vol. 134; p. 87.
Dow, A., New York, N. Y., assignor to Mergenthaler Linotype Company. Matrix for linotype-machines. No. 887,034; May 5; Sp. p. 1380; Dr. p. 293; Gaz. vol. 134; p. 229.
Dow, A., New York, N. Y., assignor to Mergenthaler Linotype Company. Spacer or justifier for linotype-machines. No. 887,035; May 5; Sp. p. 1382; Dr. p. 294; Gaz. vol. 134; p. 230.
Dow, F., assignor of one-half to H. P. Phelps, Princeton, Ill. Display-rack. No. 878,872; Feb. 11; Sp. p. 2048; Dr. p. 424; Gaz. vol. 132; p. 1204.
Dow, H. H., Midland, Mich., and W. S. Gates, assignors to Ontario Nickel Company, Limited, Worthington, Canada. Purifying precipitates. No. 883,792; Apr. 7; Sp. p. 221; Gaz. vol. 133; p. 1229.
Dow, W. E., Braintree, Mass. Sparking-circuit controller for explosion-engines. No. 888,597; May 26; Sp. p. 4551; Dr. p. 965; Gaz. vol. 134; p. 833.
Dowagiac Manufacturing Company. (See Fowle, C. L., assignor.)
Dowd, J. P. and T. P., Cedar Rapids, Iowa. Electric street-railway switch. No. 883,181; Mar. 31; Sp. p. 5355; Dr. p. 1141; Gaz. vol. 133; p. 1005.
Dowd, T. P. (See Dowd, J. P. and T. P.)
Dowell, A. E., Washington, D. C., assignor to Duplex Printing Press Company, Battle Creek, Mich. Printing-press. No. 901,312; Oct. 13; Sp. p. 2561; Dr. p. 527; Gaz. vol. 136; p. 1503.
Dowell, J. D., Springfield, Ill. Mail-bag-handling apparatus. No. 890,415; June 9; Sp. p. 2462; Dr. p. 545; Gaz. vol. 134; p. 1480.
Dowerman, W. F., Pittsburgh, Pa. Bolt-heading die. No. 882,628; Mar. 24; Sp. p. 4255; Dr. p. 901; Gaz. vol. 133; p. 795.
Dowie, E., Montreal, Quebec, Canada. Treatment of wool-combers' effluents. No. 892,370; June 30; Sp. p. 6432; Gaz. vol. 134; p. 2218.
Dowling, J., Olympia, Wash. Saw. No. 885,738; Apr. 28; Sp. p. 4264; Dr. p. 892; Gaz. vol. 133; p. 1953.
Dowling, K. M., Little Rock, Ark. Child's waist. No. 898,449; Sept. 15; Sp. p. 2451; Dr. p. 524; Gaz. vol. 136; p. 454.
Down, W. (See Bishop and Down.)
Down, W. R., Fleetwood, Pa. Drill. No. 896,280; Aug. 18; Sp. p. 2965; Dr. p. 639; Gaz. vol. 135; p. 1432.
Downer, C., and E. H. Simpson, Blaine, Wash. Device for raising vessels. No. 886,194; Apr. 28; Sp. p. 5187; Dr. p. 1092; Gaz. vol. 133; p. 2103.
Downer, H., Hayburn, Idaho. Shoe-lace and tongue-stay. No. 878,129; Feb. 4; Sp. p. 469; Dr. p. 100; Gaz. vol. 132; p. 925.
Downes, E. E., Waterbury, Conn. Music-leaf turner. No. 905,412; Dec. 1; Sp. p. 565; Gaz. vol. 137; p. 1080.
Downes, L. W., Providence, R. I. Apparatus for applying insulation to electrical conductors. No. 878,617; Feb. 11; Sp. p. 1568; Dr. pp. 319-20; Gaz. vol. 132; p. 1122.
Downey, C. L., Cincinnati, Ohio. Type-writer attachment. No. 902,566; Nov. 3; Sp. p. 68; Gaz. vol. 137; p. 12.
Downey, J. H., Gainesville, Ga. Operating-table. No. 876,044; Jan. 7; Sp. p. 690; Dr. p. 148; Gaz. vol. 132; p. 119.
Downey, J. H., Gainesville, Ga. Operating and fracture table. No. 891,678; June 23; Sp. p. 5083; Dr. p. 1097; Gaz. vol. 134; p. 1960.
Downey, J. H., Gainesville, Ga. Operating-table. No. 891,679; June 23; Sp. p. 5086; Dr. pp. 1097-8; Gaz. vol. 134; p. 1960.
Downey, J. J., Gloucester, Mass. Car-seat cushion. No. 899,034; Sept. 22; Sp. p. 3548; Dr. p. 759; Gaz. vol. 136; p. 670.
Downey, R. F., Milwaukee, Wis., assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. Anticreeping device for rails. No. 902,567; Nov. 3; Sp. p. 69; Gaz. vol. 137; p. 12.
Downey, W. J. C., South Perth, Western Australia, Australia. Combined wind-gage and elevator. No. 887,605; May 12; Sp. p. 2582; Dr. p. 545; Gaz. vol. 134; p. 446.
Downie, J. L., Downieville, assignor to Keystone Driller Co., Beaver Falls, Pa. Piston-packing. No. 906,394; Dec. 8; Sp. p. 2486; Gaz. vol. 137; p. 1427.
Downie, R. E., Seattle, Wash. Spittoon. No. 892,984; July 14; Sp. p. 1203; Dr. p. 255; Gaz. vol. 135; p. 228.
Downie, R. M., assignor to Keystone Driller Co., Beaver Falls, Pa. Engine. No. 878,783; Feb. 11; Sp. p. 1884; Dr. p. 388; Gaz. vol. 132; p. 1176.
Downie, R. M., assignor to Keystone Driller Co., Beaver Falls, Pa. Compressed-air water-elevator. No. 906,395; Dec. 8; Sp. p. 2488; Gaz. vol. 137; p. 1428.
Downie, T., Wallasey, and D. Brown, Bootle, England. Furnace front and door. No. 880,511; Mar. 3; Sp. p. 36; Dr. p. 9; Gaz. vol. 133; p. 10.
Downing, F. E. (See Maker, H., assignor.)
Downing, H. C. (See Downing, J. W. and H. C.)
Downing, J. W. and H. C., Washington, D. C. Bottle-closure. No. 879,529; Feb. 18; Sp. p. 3354; Dr. p. 700; Gaz. vol. 132; p. 1457.
Downing, N. (See Michaels, S., assignor.)
Downing, W. A., and J. T. McHugh, Pittsburgh, Pa. Ticket-holder. No. 876,866; Jan. 14; Sp. p. 2387; Dr. p. 520; Gaz. vol. 132; p. 422.
Downing, W. C., Chicago, Ill. Numbering-machine. No. 882,932; Mar. 24; Sp. p. 4869; Dr. pp. 1033-4; Gaz. vol. 133; p. 895.
Downing, W. E., Overt, Miss. Saw-log nigger. No. 889,446; June 2; Sp. p. 512; Dr. p. 121; Gaz. vol. 134; p. 1140.
Downs, G. H., North Powder, assignor of one-half to W. E. Grace, Baker City, Oreg. Overhead traveling carrier. No. 904,119; Nov. 17; Sp. p. 3210; Gaz. vol. 137; p. 583.
Downs, R., *et al.* (See Stubblefield, N. B., assignor.)
Downs, A. C., assignor of one-half to H. P. Jones, Taylor, Pa. Link connection. No. 891,153; June 16; Sp. p. 3951; Dr. p. 867; Gaz. vol. 134; p. 1753.
Downs, W. B. H., West Newton, assignor to United States Fastener Company, Boston, Mass. Fastener. No. 878,511; Feb. 11; Sp. p. 1320; Dr. p. 267; Gaz. vol. 132; p. 1066.
Downs, W. B. H., Newton, assignor to United States Fastener Company, Boston, Mass. Snap-fastener. No. 904,517; Nov. 24; Sp. p. 4084; Gaz. vol. 137; p. 745.
Doxford, C. D., Sunderland, England. Turret or similar vessel. No. 887,076; May 12; Sp. p. 1477; Dr. p. 313; Gaz. vol. 134; p. 272.
Doxford, C. D., Sunderland, England. Turret vessel. No. 896,900; Aug. 25; Sp. p. 4252; Dr. pp. 909-10; Gaz. vol. 135; p. 1657.
Doxford, W., Sunderland, England. Cargo vessel. No. 897,884; Sept. 8; Sp. p. 1309; Dr. p. 280; Gaz. vol. 136; p. 239.
Doyle, J. B. (See Clark, G. W., assignor.)
Doyle, J. S., New York, N. Y. Hand-strap. No. 887,235; May 12; Sp. p. 1788; Dr. p. 376; Gaz. vol. 134; p. 321.
Doyle, L. M., Kensett, Ark. Ventilator. No. 905,157; Dec. 1; Sp. p. 67; Gaz. vol. 137; p. 994.
Doyle, M. E., Constableville, N. Y. Catamenial bandage. No. 882,301; Mar. 17; Sp. p. 3630; Dr. p. 769; Gaz. vol. 132; p. 654.
Doyle, M. H., Belleplaine, and W. H. Schmitt, St. Paul, Minn. Box. No. 902,483; Oct. 27; Sp. p. 5063; Dr. p. 1024; Gaz. vol. 136; p. 1954.
Doyle, F. J., Chicago, Ill. Pump-valve. No. 899,210; Sept. 22; Sp. p. 3894; Dr. p. 831; Gaz. vol. 136; p. 728.
Doyle, W. A. (See Abrams and Doyle.)
Doyle, W. C. (See Butler, W., assignor.)
Dozier, L. B. (See Gause, B., assignor.)
Dr. C. Pusheck Company. (See Pusheck, C. A., assignor.)
Dr. Degen & Kuth. (See Jagelki, W., assignor.)
Drac, C. J., Warsaw, Russia. Apparatus for the production and exhibition of colored photographs. No. 905,802; Dec. 1; Sp. p. 1364; Gaz. vol. 137; p. 1207.
Dramel, J., Fremont, Nebr. Postal card. No. 894,124; July 21; Sp. p. 3637; Dr. p. 749; Gaz. vol. 135; p. 633.
Dramel, J. N., Fremont, Nebr. Railway-spike. No. 889,667; June 2; Sp. p. 920; Dr. p. 214; Gaz. vol. 134; p. 1210.
Dräger, A. B., assignor to Drägerwerk, Heinr. & Bernh. Dräger, Lübeck, and E. Wiss, Griesheim-on-the-Main, Germany. Hydraulic-safety-valve. No. 883,700; Apr. 7; Sp. p. 52; Dr. p. 7; Gaz. vol. 133; p. 1201.
Dräger, J. H., Lübeck, Germany. Electric lamp for helmets and similar head-coverings. No. 902,216; Oct. 27; Sp. p. 4479; Dr. p. 906; Gaz. vol. 136; p. 1865.
Drägerwerk, Heinr. & Bernh. Dräger, *et al.* (See Dräger, A. B., assignor.)

Alphabetical list of patentees—Continued.

- Draine, T. W., and T. F. Shingledecker, McKees Rocks, Pa.; said Draine assignor to said Shingledecker. Garbage-plant. No. 892,942; July 7; Sp. p. 1115; Dr. p. 234; Gaz. vol. 135; p. 185.
- Drake, E. L., Winchester, Tenn. Flying-machine. No. 882,189; Mar. 17; Sp. p. 3414; Dr. pp. 725-6; Gaz. vol. 133; p. 618.
- Drake, E. R., De Land, Fla. Plant-protector. No. 898,341; Sept. 8; Sp. p. 2219; Dr. p. 471; Gaz. vol. 136; p. 385.
- Drake, F. V., Bishop, Cal. Rope-carrier-direction-changing device. No. 885,455; Apr. 21; Sp. p. 3667; Dr. p. 768; Gaz. vol. 133; p. 1834.
- Drake, F. V., Bishop, Cal. Rope-carrier. No. 893,906; July 21; Sp. p. 3190; Dr. p. 656; Gaz. vol. 135; p. 560.
- Drake, G. A., Denver, Colo. Means for electrically operating fire-engines. No. 880,780; Mar. 3; Sp. p. 589; Dr. pp. 125-6; Gaz. vol. 133; p. 101.
- Drake, H., assignor of one-half to N. Alexander, Campton, Ky. Engine. No. 906,119; Dec. 8; Sp. p. 1981; Gaz. vol. 137; p. 1338.
- Drake, H. I., Ness City, Kans. Engine-gear. No. 899,247; Sept. 22; Sp. p. 3994; Dr. p. 851; Gaz. vol. 136; p. 741.
- Drake, H. J., and E. E. Hall, Bushnell, Ill. Stock-trough. No. 906,396; Dec. 8; Sp. p. 2490; Gaz. vol. 137; p. 1428.
- Drake, J. F., Jersey City, N. J., assignor of four-fifths to W. L. Bliss, Brooklyn, N. Y. Train-pipe hanger. No. 888,791; May 26; Sp. p. 4969; Dr. p. 1061; Gaz. vol. 134; p. 896.
- Drake, J. M., West Hartford, Conn. Grindstone attachment. No. 888,971; May 26; Sp. p. 5353; Dr. p. 1136; Gaz. vol. 134; p. 955.
- Drake, L. W., *et al.* (See Babb, J. M., assignor.)
- Drake, M. D., Beard, Ky. Wheel. No. 881,909; Mar. 17; Sp. p. 2845; Dr. p. 607; Gaz. vol. 133; p. 527.
- Drake, T. S., assignor of one-half to S. L. and A. B. Fuller, Cullman, Ala. Bale-tie. No. 902,864; Nov. 3; Sp. p. 672; Gaz. vol. 137; p. 112.
- Drake, W. E. (See Axell, A., assignor.)
- Drake, W. E. (See Tibbals, F. A., assignor.)
- Drake, W. E., Chandlerville, Ill. Mud-guard for vehicle-wheels. No. 882,933; Mar. 24; Sp. p. 4872; Dr. p. 1034; Gaz. vol. 133; p. 895.
- Drake, W. E., Grand Island, Nebr. Security lightning-arrester. No. 883,303; Mar. 31; Sp. p. 5614; Dr. p. 1197; Gaz. vol. 133; p. 1046.
- Drake, W. F. (See Gilbert and Drake.)
- Dralle, L. (See Melville, F. B., assignor.)
- Drane, F. N. and H. A., Corsicana, Tex. Railway cross-tie. No. 904,944; Nov. 24; Sp. p. 4977; Gaz. vol. 137; p. 888.
- Drane, H. A. (See Drane, F. N. and H. A.)
- Draper, C. H., Hopedale, Mass. Speedometer. No. 908,079; Dec. 29; Sp. p. 5871; Gaz. vol. 137; p. 2068.
- Draper, C. H., assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom. No. 881,063; Mar. 3; Sp. p. 1132; Dr. p. 246; Gaz. vol. 133; p. 194.
- Draper, C. H., assignor to Draper Company, Hopedale, Mass. Loom for weaving tubular fabrics. No. 890,761; June 16; Sp. p. 3198; Dr. pp. 698-9; Gaz. vol. 134; p. 1627.
- Draper, C. H., assignor to Draper Company, Hopedale, Mass. Automatic filling-replenishing loom. No. 907,579; Dec. 22; Sp. p. 4791; Gaz. vol. 137; p. 1874.
- Draper, C. T., Cleveland, Ohio, assignor to American Can Company, New York, N. Y. Sheet-metal display-can. No. 878,784; Feb. 11; Sp. p. 1887; Dr. p. 389; Gaz. vol. 132; p. 1177.
- Draper, C. W., Jr., and G. H., Detroit, Mich. Adjustable window-shade and curtain-pole holder. No. 881,384; Mar. 10; Sp. p. 1789; Dr. p. 386; Gaz. vol. 133; p. 328.
- Draper Company. (See Allen, F., assignor.)
- Draper Company. (See Ambler, G. B., assignor.)
- Draper Company. (See Beardsell, A. W., assignor.)
- Draper Company. (See Bounds and Burton, assignors.)
- Draper Company. (See Bracken, H. W., assignor.)
- Draper Company. (See Carr, C. H., assignor.)
- Draper Company. (See Clifford, W. E., assignor.)
- Draper Company. (See Cunniff and Ainsworth, assignors.)
- Draper Company. (See Cunniff and Cookson, assignors.)
- Draper Company. (See Davis, H. A., assignor.)
- Draper Company. (See Demers, N., assignor.) (Reissue.)
- Draper Company. (See Draper, C. H., assignor.)
- Draper Company. (See Draper, G. O., assignor.)
- Draper Company. (See Duckworth, A., assignor.)
- Draper Company. (See Edwards, J. C., assignor.)
- Draper Company. (See Ford, E. H., assignor.)
- Draper Company. (See French, F. H., assignor.)
- Draper Company. (See Gross, W., assignor.)
- Draper Company. (See Hebert, U., assignor.)
- Draper Company. (See Joy, C. L., assignor.)
- Draper Company. (See Lettner, G. H., assignor.)
- Draper Company. (See Main, E. M., assignor.)
- Draper Company. (See McCullough, P. E., assignor.)
- Draper Company. (See Moore, F. W., assignor.)
- Draper Company. (See Morse, A. D., assignor.)
- Draper Company. (See Murphy, H., assignor.)
- Draper Company. (See Northrop, J., assignor.)
- Draper Company. (See Orrell, E. E., assignor.)
- Draper Company. (See Rhoades, A. E., assignor.)
- Draper Company. (See Rhoades, A. E., assignor.) (Reissue.)
- Draper Company. (See Smith, C. A., assignor.)
- Draper Company. (See Stimpson, E. S., assignor.)
- Draper Company. (See Stimpson and Ambler, assignors.)
- Draper Company. (See Stone, M. L., assignor.)
- Draper Company. (See Thompson, F. H., assignor.)
- Draper Company. (See Webber, J. P., assignor.)
- Draper Company. (See Warren, C. H., assignor.)
- Draper, F., and O. L. Curtiss, Cayuga, Ind. Exhaust-steam regenerator. No. 886,044; Apr. 28; Sp. p. 4911; Dr. pp. 1032-3; Gaz. vol. 133; p. 2054.
- Draper, F. W., assignor to Starr Piano Company, Richmond, Ind. Accenting device for automatic players for instruments. No. 876,442; Jan. 14; Sp. p. 1526; Dr. pp. 328-9; Gaz. vol. 132; p. 281.
- Draper, F. W., assignor to Farrand Organ Company, Detroit, Mich. Winding and rewinding mechanism for perforated music-sheets. No. 889,914; June 9; Sp. p. 1430; Dr. p. 323; Gaz. vol. 134; p. 1315.
- Draper, F. W., assignor to Farrand Organ Company, Detroit, Mich. Automatic pressure-regulator for pneumatic actions of musical instruments. No. 892,033; June 30; Sp. p. 5787; Dr. p. 1245; Gaz. vol. 134; p. 2107.
- Draper, G. H. (See Draper, C. W., Jr., and G. H.)
- Draper, G. O., assignor to Draper Company, Hopedale, Mass. Filling-replenishing mechanism for looms. No. 884,723; Apr. 14; Sp. p. 2169; Dr. p. 461; Gaz. vol. 133; p. 1566.
- Draper, G. O., assignor to Draper Company, Hopedale, Mass. Filling-replenishing mechanism for looms. No. 887,927; May 19; Sp. p. 3234; Dr. p. 680; Gaz. vol. 134; p. 553.
- Draper, H. V., assignor of one-half to G. A. Hancock, Springfield, Mo. Hardening copper. No. 896,632; Aug. 18; Sp. p. 3673; Gaz. vol. 135; p. 1545.
- Draper & Hall Co. (See Draper, T., assignor.)
- Draper, J. R., and T. L. Hughes, Hennessey, Okla. Barber's stool. No. 879,154; Feb. 18; Sp. p. 2598; Dr. p. 541; Gaz. vol. 132; p. 1334.
- Draper, L. O., *et al.* (See Bell, E. T., assignor.)
- Draper, T., assignor, by mesne assignments, to Draper & Hall Co., Middletown, Conn. Printer's composing-stick. No. 905,060; Nov. 24; Sp. p. 5190; Gaz. vol. 127; p. 926.
- Draper, T. W., Philadelphia, Pa. Hammock. No. 906,120; Dec. 8; Sp. p. 1983; Gaz. vol. 137; p. 1338.
- Draper, W. E., and F. W. Strohm, Wayne, Ill. Ensilage-distributor. No. 891,608; June 23; Sp. p. 4907; Dr. p. 1058; Gaz. vol. 134; p. 1934.
- Draper, W. F. (See Northrop, J., assignor.)
- Draper, W. F. (See Wood, E. S., assignor.)
- Draper, W. F., Hopedale, Mass. Loom-shuttle. No. 907,476; Dec. 22; Sp. p. 4605; Gaz. vol. 137; p. 1841.
- Drawbaugh, D., Camp Hill, Pa. Shutter or blind operating device. No. 888,792; May 26; Sp. p. 4971; Dr. p. 1061; Gaz. vol. 134; p. 896.
- Drawe, J. J., New Orleans, La. Stock-sampler. No. 892,943; July 7; Sp. p. 1117; Dr. p. 234; Gaz. vol. 135; p. 186.
- Drawe, J. J., New Orleans, La. Liquid-sampler. No. 892,944; July 7; Sp. p. 1119; Dr. p. 235; Gaz. vol. 135; p. 186.
- Drawe, J. J., and W. J. Turnbull, New Orleans, La. Package-tie. No. 892,945; July 7; Sp. p. 1121; Dr. p. 235; Gaz. vol. 135; p. 187.
- Drawe, J. J., and W. J. Turnbull, New Orleans, La. Bed. No. 905,856; Dec. 8; Sp. p. 1475; Gaz. vol. 137; p. 1254.

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- Draws, A. Houghton, Mich. Saw-swage. No. 889,771; June 2; Sp. p. 1133; Dr. p. 263; Gaz. vol. 134; p. 1242.
- Drayer, E. J., Dayton, Ohio. Rail-fastener for concrete ties. No. 885,456; Apr. 21; Sp. p. 3670; Dr. p. 769; Gaz. vol. 133; p. 1835.
- Drecol, E. C., Rochester, N. Y. Adjustable crank. No. 904,764; Nov. 24; Sp. p. 4597; Gaz. vol. 137; p. 827.
- Drees, M. A., assignor of one-half to N. P. Hunt, Peshtigo, Wis. Writing-tablet. No. 907,477; Dec. 22; Sp. p. 4607; Gaz. vol. 137; p. 1841.
- Dresse, C. R., Herington, Kans. Package-binder. No. 904,184; Nov. 17; Sp. p. 3373; Gaz. vol. 137; p. 607.
- Dressen, A. F., and W. P. Hutson, Milwaukee, Wis. Abrasive composition. No. 394,371; July 28; Sp. p. 4174; Gaz. vol. 135; p. 734.
- Dreger, K. von, Berlin, Germany. Machine for issuing registration-certificates for registered letters and postal packets. No. 908,218; Dec. 29; Sp. p. 6193; Gaz. vol. 137; p. 2116.
- Dreger, O., Philadelphia Pa. Pedal connection for musical instruments. No. 876,443; Jan. 14; Sp. p. 1529; Dr. p. 329; Gaz. vol. 132; p. 282.
- Dreher, C. H., Stroudsburg, Pa. Puzzle. No. 898,342; Sept. 8; Sp. p. 2220; Dr. p. 472; Gaz. vol. 136; p. 385.
- Dreher, J. A. (See Price, Dreher, and Welker.)
- Dreistadt, J., Jr. (See Miller and Dreistadt.)
- Drennen, D. M., *et al.* (See Conway, J. M., assignor.)
- Drennen, W. M., *et al.* (See Conway, J. M., assignor.)
- Dresler, H., Creuzthal, Germany. Manufacture of bricks, shaped stones, or blocks, tubes, tiles, and the like. No. 903,062; Nov. 3; Sp. p. 1064; Gaz. vol. 137; p. 174.
- Dresler, H., assignor to Cöln-Müsener Bergwerks Actien Verein, Creuzthal, Germany. Manufacture of artificial stone. No. 876,782; Jan. 14; Sp. p. 2229; Gaz. vol. 132; p. 395.
- Dresler, H., assignor to Cöln-Müsener Bergwerks Actien Verein, Creuzthal, Germany. Making molded articles. No. 876,783; Jan. 14; Sp. p. 2230; Gaz. vol. 132; p. 395.
- Dressel, G. W., Brooklyn, N. Y. Mustard-dispenser. No. 908,219; Dec. 29; Sp. p. 6195; Gaz. vol. 137; p. 2117.
- Dresser, B. L., Uxbridge, Mass. Trolley-harp. No. 876,700; Jan. 14; Sp. p. 2093; Dr. p. 455; Gaz. vol. 132; p. 370.
- Dresser, C. A., assignor to G. A. E. and F. W. Kohler, Chicago, Ill. Controlling device for electric motors. No. 885,147; Apr. 21; Sp. p. 3043; Dr. pp. 640-1; Gaz. vol. 133; p. 1734.
- Dresser, S. R., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Pipe-coupling. No. 884,371; Apr. 14; Sp. p. 1436; Dr. p. 306; Gaz. vol. 133; p. 1450.
- Dressler, J. E., Roanoke, Va. Nut-lock. No. 904,606; Nov. 24; Sp. p. 4249; Gaz. vol. 137; p. 774.
- Drevet, P., *et al.* (See Isnard, M. J. S. A., assignor.)
- Drew, C. A., Eureka, Cal. Saw-setting tool. No. 884,909; Apr. 14; Sp. p. 2527; Dr. pp. 534-5; Gaz. vol. 133; p. 1624.
- Drew, G. F., Brunswick, Me. Auxiliary holding-strip of metal for picture-moldings. No. 888,972; May 26; Sp. p. 5354; Dr. p. 1136; Gaz. vol. 134; p. 955.
- Drew, H. A., New York, N. Y. Wire-tie. No. 886,774; May 5; Sp. p. 905; Dr. p. 187; Gaz. vol. 134; p. 149.
- Drew, M. E., *et al.* (See Lightfoot, W. L., assignor.)
- Drew, S., Rochester, N. Y. Lock. No. 888,478; May 26; Sp. p. 4303; Dr. p. 911; Gaz. vol. 134; p. 791.
- Drewell, H., Charlottensburg, Germany. Electric switch. No. 876,701; Jan. 14; Sp. p. 2094; Dr. p. 456; Gaz. vol. 132; p. 370.
- Drewry, G. (See Fritch and Drewry.)
- Dreys, F. (See Jetter and Dreys.)
- Drexler, A., Lucerne, Switzerland. Sculpturing apparatus. No. 905,669; Dec. 1; Sp. p. 1101; Gaz. vol. 137; p. 1161.
- Drexler, L., Munich, Germany. Cask-planing machine. No. 884,138; Apr. 7; Sp. p. 994; Dr. pp. 207-8; Gaz. vol. 133; p. 1345.
- Dreyer, A., Potsdam, Germany. Bottle-closure. No. 903,688; Nov. 10; Sp. p. 2317; Gaz. vol. 137; p. 406.
- Drill, C., assignor to J. Ehrhardt, Jr., St. Louis, Mo. Machine for making plaster-boards. No. 906,619; Dec. 15; Sp. p. 2902; Gaz. vol. 137; p. 1526.
- Drinkwater, H. A. (See Littlefield and Drinkwater.)
- Drinkwater, J. A., Wolverhampton, England. Postal card. No. 902,648; Nov. 3; Sp. p. 229; Gaz. vol. 137; p. 39.
- Dripps, M. E., Washington, D. C. Eyeglass-holder. (Reissue.) No. 12,771; Mar. 31; Sp. p. 6398; Dr. p. 1364; Gaz. vol. 133; p. 1166.
- Driscoll, C. (See Cunningham, J. L., Jr., assignor.)
- Driscoll, F. M. (See Muller, Driscoll, and Barry.)
- Driscoll, J. B., Louisville, Ky. Hose-band clamp. No. 876,702; Jan. 14; Sp. p. 2096; Dr. p. 456; Gaz. vol. 132; p. 371.
- Driscoll, J. P., Greenland, Mich. Thill-coupling. No. 893,150; July 14; Sp. p. 1556; Dr. p. 328; Gaz. vol. 135; p. 283.
- Driskell, W. S., Greta, Nebr. Grain-door. No. 878,050; Feb. 4; Sp. p. 326; Dr. p. 68; Gaz. vol. 132; p. 901.
- Driskell, W. S., assignor of one-third to H. Peters, Greta, Nebr. Grain-car door. No. 888,228; May 19; Sp. p. 3798; Dr. p. 797; Gaz. vol. 134; p. 679.
- Driver, A. H. M., and G. Norman, assignors to Birmingham Small Arms Company, Limited, Small Heath, near Birmingham, England. Air-gun. No. 891,211; June 16; Sp. p. 4087; Dr. p. 897; Gaz. vol. 134; p. 1773.
- Driver, H. B. (See Lowry, R. L., assignor.)
- Driver, T. J., Honolulu, Hawaii. Running-switch and guide. No. 891,154; June 16; Sp. p. 3952; Dr. p. 867; Gaz. vol. 134; p. 1753.
- Driver, W. B. (See Roller, F. W., assignor.)
- Droesch, J. L., Belleville, Ill. Flue-thimble. No. 896,521; Aug. 18; Sp. p. 3481; Dr. p. 747; Gaz. vol. 135; p. 1511.
- Drongold, W. A., York, Pa. Cultivator. No. 895,351; Aug. 4; Sp. p. 1153; Dr. p. 241; Gaz. vol. 135; p. 1086.
- Drosin, L. (See Levin, M., assignor.)
- Drouvé, G. F., Bridgeport, Conn. Skylight. No. 892,034; June 30; Sp. p. 5790; Dr. pp. 1245-6; Gaz. vol. 134; p. 2108.
- Drown, H. V., L. G. Turcott, and M. A. Harding, Barton, Vt. Horseshoe. No. 894,942; Aug. 4; Sp. p. 333; Dr. p. 67; Gaz. vol. 135; p. 948.
- Droz, C. A., Sr. (See Droz, E. J., C. A., Sr., and C. H.)
- Droz, C. H. (See Droz, E. J., C. A., Sr., and C. H.)
- Droz, E. J., C. A., Sr., and C. H., Ambridge, Pa. Heater. No. 891,680; June 23; Sp. p. 5089; Dr. p. 1098; Gaz. vol. 134; p. 1861.
- Druck, C., Shawano, Wis. Body loop or hanger. No. 887,606; May 12; Sp. p. 2584; Dr. p. 545; Gaz. vol. 134; p. 416.
- Drucklieb, J. C. (See Simon and Drucklieb.)
- Drum, G. E. (See Smith and Drum.)
- Drummond, C. E., Twin Falls, Idaho. Track-laying machine. No. 887,607; May 12; Sp. p. 2585; Dr. pp. 545-6; Gaz. vol. 134; p. 416.
- Drummond, D. R., Arhela, Mo. Churn. No. 890,345; June 9; Sp. p. 2333; Dr. pp. 514-15; Gaz. vol. 134; p. 1459.
- Drury, L. A. (See Pannebaker, G. F., assignor.)
- Drury, W., Swansea, Wales, England. Pneumatic tire. No. 898,850; Sept. 15; Sp. p. 3209; Dr. p. 687; Gaz. vol. 136; p. 583.
- Drusidtt, P., Remscheid, Germany. Elastic suspension for the filaments of electric incandescent lamps. No. 896,092; Aug. 18; Sp. p. 2621; Dr. p. 568; Gaz. vol. 135; p. 1372.
- Dry, E. M., Madison, Mo. Cross-line buckle. No. 904,518; Nov. 24; Sp. p. 4085; Gaz. vol. 137; p. 745.
- Dryden, N., Los Angeles, Cal. Vehicle-wheel. No. 878,713; Feb. 11; Sp. p. 1749; Dr. p. 361; Gaz. vol. 132; p. 1154.
- Dryden, S., Crisfield, Md. Refrigerator shipping-box for crabs. No. 889,915; June 9; Sp. p. 1432; Dr. p. 324; Gaz. vol. 134; p. 1315.
- Dryden, W. J., St. Louis, Mo. Necktie-turner. No. 884,910; Apr. 14; Sp. p. 2528; Dr. p. 535; Gaz. vol. 133; p. 1624.
- Dryden, W. J., St. Louis, Mo. Necktie-turner. No. 884,911; Apr. 14; Sp. p. 2529; Dr. p. 535; Gaz. vol. 133; p. 1624.
- Drysdale, A. F., Louisville, Ky. Molding-machine. No. 888,004; May 19; Sp. p. 3387; Dr. p. 712; Gaz. vol. 134; p. 608.
- Du Bois, F. M., Syracuse, N. Y., assignor, by mesne assignments, to American Automotoneer Company, Philadelphia, Pa. Controller-regulator. No. 897,602; Sept. 1; Sp. p. 741; Dr. p. 157; Gaz. vol. 136; p. 117.
- Du Boise, A. R., and L. F. Perry, Flint, Mich.; said Du Boise assignor to E. W. Atwood. Display-cabinet. No. 885,457; Apr. 21; Sp. p. 3672; Dr. p. 769; Gaz. vol. 133; p. 1825.
- Du Brie, S. R., Detroit, Mich. Apparatus for supplying fuel to gas-engines. No. 906,783; Dec. 15; Sp. p. 3222; Gaz. vol. 137; p. 1578.
- Du Brul, A., assignor to Mich. Du Brul and Peters Manufacturing Company, Cincinnati, Ohio. Cigar-wrapper-cutting machine. No. 889,772; June 2; Sp. p. 1134; Dr. pp. 263-4; Gaz. vol. 134; p. 1242.
- Du Brul, N., Cincinnati, Ohio. Cigar-mold. No. 889,773; June 2; Sp. p. 1136; Dr. p. 264; Gaz. vol. 134; p. 1242.
- Du Brul, N., Cincinnati, Ohio. Cigar-mold. No. 889,774; June 2; Sp. p. 1138; Dr. p. 264; Gaz. vol. 134; p. 1243.
- Du Mazuel, E. G., New York, N. Y. Means for reinforcing concrete. No. 876,471; Jan. 14; Sp. p. 1586; Dr. p. 341; Gaz. vol. 132; p. 290.
- Du Ferrex, R., St. Louis, Mo. Photograph-printing frame. No. 884,804; Apr. 14; Sp. p. 2340; Dr. p. 492; Gaz. vol. 133; p. 1592.
- Du Pont, E. I., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Obtaining dinitrolycerin, &c. No. 879,899; Feb. 25; Sp. p. 4182; Dr. p. 873; Gaz. vol. 132; p. 1612.
- Dubbs, J. A., Pittsburg, Pa. Treating oil. No. 890,762; June 16; Sp. p. 3201; Dr. p. 699; Gaz. vol. 134; p. 1628.
- Dubé, J. J., Chicago, Ill. Combined garbage-burner and water-heater. No. 907,580; Dec. 22; Sp. p. 4796; Gaz. vol. 137; p. 1874.
- Dubendorf, D., Middletown, Pa. Hose-clamp applicator. No. 883,099; Mar. 24; Sp. p. 5171; Dr. p. 1104; Gaz. vol. 133; p. 948.
- Dubetz, S. R. (See Milbrath, W., assignor.)
- Dubois, W., assignor to Rand, McNally & Co., Chicago, Ill. Globe. No. 885,690; Apr. 21; Sp. p. 4145; Dr. p. 368; Gaz. vol. 133; p. 1907.
- Dubois Watch Case Co. (See Depollier, C. L., assignor.)
- Dubrow, H., and J. Yurkovich, Allegheny, Pa. Nut-lock. No. 896,901; Aug. 25; Sp. p. 4253; Dr. p. 910; Gaz. vol. 135; p. 1657.
- Dubruille, L., Paris, France. Lubricating-oil distributor. No. 900,154; Oct. 6; Sp. p. 172; Dr. p. 36; Gaz. vol. 136; p. 1101.

Alphabetical list of patentees—Continued.

- Dubs, E., Oerlikon, Zurich, Switzerland. Electric time-alarm. No. 875,698; Jan. 7; Sp. p. 37; Dr. p. 8; Gaz. vol. 132; p. 9.
- Duby, H. A., *et al.* (See Muirhead, J., assignor.)
- Duc, C. L. le, and L. Garchey, Paris, France. Electric suspension for vehicles. No. 895,245; Aug. 4; Sp. p. 957; Dr. pp. 200-1; Gaz. vol. 135; p. 1032.
- Ducey, L., New York, N. Y. Stocking-protector. No. 887,384; May 12; Sp. p. 2161; Dr. p. 452; Gaz. vol. 134; p. 373.
- Duchan, J. (See Duchan, J., R., and J.)
- Duchan, J., Elizabethport, N. J., and R. and J. Duchan, Vienna, Austria-Hungary. Pneumatic hub. No. 895,984; Aug. 11; Sp. p. 2426; Dr. p. 518; Gaz. vol. 135; p. 1315.
- Duchan, R. (See Duchan, J., R., and J.)
- Ducharne, E. T., Boston, Mass. Indicator for telephone-calls. No. 901,894; Oct. 20; Sp. p. 3810; Dr. p. 776; Gaz. vol. 136; p. 1732.
- Duchesne, R., assignor to La Société "La Sténophile Bivort," Paris, France. Stenographing-machine. No. 877,179; Jan. 21; Sp. p. 3091; Dr. pp. 668-9; Gaz. vol. 132; p. 568.
- Ducker, O., Washington, D. C. Bottle-cap. No. 881,671; Mar. 10; Sp. p. 2346; Dr. p. 508; Gaz. vol. 133; p. 422.
- Duckett, J. R., Blaine, Miss. Animal-poke. No. 892,946; July 7; Sp. p. 1122; Dr. p. 235; Gaz. vol. 135; p. 187.
- Duckham, A. M. (See Woodall and Duckham.)
- Duckworth, A., Lowell, assignor to Draper Company, Hopedale, Mass. Attachment for spinning-frames. No. 903,063; Nov. 3; Sp. p. 1065; Gaz. vol. 137; p. 174.
- Ducousso, T. (See Paul and Ducousso.)
- Ducretet, E., Paris, France. Release mechanism for Morse telegraphs. No. 876,952; Jan. 21; Sp. p. 2602; Dr. p. 566; Gaz. vol. 132; p. 491.
- Ducretet, E., Paris, France. Device for transmission to a distance of sounds produced by talking-machines. No. 893,151; July 14; Sp. p. 1557; Dr. p. 329; Gaz. vol. 135; p. 283.
- Dudgeon, H. C. (See Weeks, J., assignor.)
- Dudgeon, W. M., executor. (See Nelson and Mathers, assignors.)
- Dudley, F. A. (See Hearing and Dudley.)
- Dudley, H. H., Kansas City, Mo. Support for the crossing-rails of railways. No. 905,299; Dec. 1; Sp. p. 329; Gaz. vol. 137; p. 1041.
- Dudley, S. A., Taunton, Mass. Loom-shuttle. No. 905,670; Dec. 1; Sp. p. 1102; Gaz. vol. 137; p. 1162.
- Dudley, W. R. (See Dudley, W. W. and W. R.)
- Dudley, W. R. (See Dudley, Greenleaf and Dudley.)
- Dudley, W. W. and W. R., Lancaster, Pa. Adjustable escapement for clocks and watches. No. 876,153; Jan. 7; Sp. p. 913; Dr. p. 197; Gaz. vol. 132; p. 155.
- Dudley, W. W., Lancaster, Pa., L. A. Greenleaf and W. R. Dudley, Trenton, N. J., assignors to Star Speedometer Company. Odometer. No. 880,781; Mar. 3; Sp. p. 592; Dr. p. 126; Gaz. vol. 133; p. 102.
- Duell, C. H., trustee. (See Peckham, E., assignor.)
- Duemer, C., Hamilton, Ohio. Centrifugal machine. No. 888,320; May 19; Sp. p. 3965; Dr. p. 835; Gaz. vol. 134; p. 708.
- Duemler, S. O., Springfield, Mo. Tool for drawing bolts, tenons, &c. No. 902,649; Nov. 3; Sp. p. 230; Gaz. vol. 137; p. 39.
- Duer, C. W., Austin, Ill. Automobile. No. 882,239; Mar. 17; Sp. p. 3506; Dr. p. 744; Gaz. vol. 133; p. 632.
- Duer, C. M., *et al.* (See Felmy, D. F., assignor.)
- Duerr, W., deceased; D. F. Felmy, administrator, Akron, assignor to C. M. Duerr and T. Phillips, Cuyahoga Falls, Ohio. Clutch-pulley. No. 901,603; Oct. 20; Sp. p. 3214; Dr. p. 659; Gaz. vol. 136; p. 1637.
- Dufault, J. U., Spencer, Mass. Adjustable pattern for garments. No. 890,969; June 16; Sp. p. 3633; Dr. pp. 790-1; Gaz. vol. 134; p. 1696.
- Duff, E. J., Liverpool, England. Propulsion of ships. No. 884,079; Apr. 7; Sp. p. 824; Dr. p. 173-4; Gaz. vol. 133; p. 1325.
- Duff, J. T., Pittsburg, Pa. Pulley or wheel. No. 905,803; Dec. 1; Sp. p. 1365; Gaz. vol. 137; p. 1207.
- Duff Manufacturing Company. (See Freed, G. F., assignor.)
- Duff, V., Burnside, Pa. Self-oiling wheel. No. 898,851; Sept. 15; Sp. p. 3210; Dr. p. 688; Gaz. vol. 136; p. 583.
- Duffie, C. E., Omaha, Nebr. Air-brake apparatus. No. 907,686; Dec. 22; Sp. p. 5078; Gaz. vol. 137; p. 1910.
- Duffie, J. J., San Francisco, Cal. Computing-scale. No. 886,775; May 5; Sp. p. 906; Dr. p. 188; Gaz. vol. 134; p. 149.
- Duffy, B., *et al.* (See Schrader, G. F., assignor.)
- Duffy, F., Chicago, Ill. Piston-rod packing. No. 877,706; Jan. 28; Sp. p. 4132; Dr. p. 894; Gaz. vol. 132; p. 760.
- Duffy, F., Chicago, Ill. Switch-operating apparatus. No. 891,411; June 23; Sp. p. 4520; Dr. p. 983; Gaz. vol. 134; p. 1872.
- Duffy, F., Kingston, Ontario, Canada. Steam-trap. No. 884,724; Apr. 14; Sp. p. 2171; Dr. p. 461; Gaz. vol. 133; p. 1566.
- Duffy, J. A., Pittsburg, Pa. Journal-box. No. 894,372; July 28; Sp. p. 4175; Dr. p. 862; Gaz. vol. 135; p. 734.
- Duffy, J. A., and O. Irwin, assignors of six-tenths to C. D. Armstrong, Pittsburg, Pa. Switching device. No. 883,701; Apr. 7; Sp. p. 53; Dr. p. 8; Gaz. vol. 133; p. 1201.
- Duffy, J. L., *et al.* (See Hand, J. H., assignor.)
- Duffy, P., New York, N. Y. Key-bottom for pianos, organs, &c. No. 891,469; June 23; Sp. p. 4626; Dr. p. 1004; Gaz. vol. 134; p. 1891.
- Duffy, T. I., assignor to Voigtmann & Company, Chicago, Ill. Sheet-metal door and analogous structure. No. 891,984; June 30; Sp. p. 5711; Dr. p. 1229; Gaz. vol. 134; p. 2093.
- Dufion, L. E. A., St. Petersburg, Russia. Apparatus for raising and lowering loads. No. 887,608; May 12; Sp. p. 2589; Dr. p. 546; Gaz. vol. 134; p. 447.
- Dufour, C., assignor of two-thirds to C. J. Ouellet and J. Broussard, Cambridge, Mass. Apparatus for washing sheepskins. No. 891,765; June 23; Sp. p. 5236; Dr. p. 1135; Gaz. vol. 134; p. 1988.
- Dufour, L., Genoa, Italy. Decolorizing tannic extracts. No. 878,618; Feb. 11; Sp. p. 1574; Gaz. vol. 132; p. 1122.
- Dufresne, C., Chicago, Ill. Napkin-supporter. No. 902,568; Nov. 3; Sp. p. 70; Gaz. vol. 137; p. 12.
- Dufresne, J. C. (See Hosking, J., assignor.)
- Dugan, T., Larned, Kans. Threshing-machine. No. 890,129; June 9; Sp. p. 1870; Dr. pp. 413-14; Gaz. vol. 134; p. 1388.
- Dugas, F., and P. Richards, Livermore Falls, Me. Cleaning device. No. 905,158; Dec. 1; Sp. p. 68; Gaz. vol. 137; p. 994.
- Dugas, J., Holyoke, assignor of one-half to C. A. Richmond, East Hampton, Mass. Hook and eye. No. 888,973; May 26; Sp. p. 5356; Dr. p. 1136; Gaz. vol. 134; p. 956.
- Dugaquier, L., Houdeng-Gogny, Belgium. Yarn-spinning machine. No. 877,917; Feb. 4; Sp. p. 44; Dr. p. 9; Gaz. vol. 132; p. 856.
- Dugett, J. F., New York, N. Y. Tool for spreading the tubes of water-tube boilers. No. 903,550; Nov. 10; Sp. p. 2037; Gaz. vol. 137; p. 365.
- Duggan, B. E., Telluride, Colo. Slime-saving device for ore-concentrators. No. 889,300; June 2; Sp. p. 210; Dr. p. 53; Gaz. vol. 134; p. 1092.
- Duggan, C. J., Chicago, Ill. Bookbinder's strip-applying machine. No. 886,961; May 5; Sp. p. 1240; Dr. p. 263; Gaz. vol. 134; p. 206.
- Duggan, T. A., New Orleans, La. Valve. No. 876,867; Jan. 14; Sp. p. 2389; Dr. p. 520; Gaz. vol. 132; p. 422.
- Duggan, T. A., New Orleans, La. Insect-trap. No. 898,852; Sept. 15; Sp. p. 3211; Dr. p. 688; Gaz. vol. 136; p. 584.
- Duhue, F. (See Koenig, F. H., assignor.)
- Duisburger Maschinenbau Aktiengesellschaft vorm. Bechem & Keetman, Firm of. (See Kaernmann, H. A., assignor.)
- Dukelow, P. J., assignor to Spencer Lens Company, Buffalo, N. Y. Photographic ray-filter. No. 886,684; May 5; Sp. p. 689; Dr. p. 143; Gaz. vol. 134; p. 117.
- Dukes, H. S., and W. H. Clayton, Little Rock, Ark. Tabulating appliance for type-writing machines. No. 908,220; Dec. 29; Sp. p. 6196; Gaz. vol. 137; p. 2117.
- Dukes, H. S., and W. H. Clayton, Little Rock, Ark. Tabulating mechanism for type-writing machines. No. 908,221; Dec. 29; Sp. p. 6204; Gaz. vol. 137; p. 2117.
- Dukesmith Air Brake Company. (See Dukesmith, F. H., assignor.)
- Dukesmith, F. H., Meadville, assignor to Dukesmith Air Brake Company, Pittsburg, Pa. Engineer's brake-valve. No. 876,703; Jan. 14; Sp. p. 2097; Dr. pp. 456-7; Gaz. vol. 132; p. 371.
- Dulaney, J. M. (See Dabney and Smith, assignors.)
- Dulaney, J. W., Greenwood, Miss. Knockdown receptacle. No. 891,609; June 23; Sp. p. 4908; Dr. pp. 1058-9; Gaz. vol. 134; p. 1934.
- Dulin, C. E., Sandy Hill, N. Y., assignor to Union Bag & Paper Company. Bag-printing machine. No. 888,974; May 26; Sp. p. 5357; Dr. p. 1136; Gaz. vol. 134; p. 956.
- Dulkiewicz, J., *et al.* (See Chruszczyk, K., assignor.)
- Dulles, C. W., Philadelphia, Pa. Legging. No. 890,346; June 9; Sp. p. 2334; Dr. p. 515; Gaz. vol. 134; p. 1459.
- Dulong, W. von, Witaschütz, Germany. Apparatus for the production of gases from hydrocarbon. No. 885,230; Apr. 21; Sp. p. 3226; Dr. p. 673; Gaz. vol. 133; p. 1761.
- Dumairé, A. (See Moonen and Dumaire.)
- Dumais, J. B., assignor of one-half to F. R. Crane, Chicago, Ill. Traction-wheel drive. No. 904,413; Nov. 17; Sp. p. 3841; Gaz. vol. 137; p. 683.
- Dumais, P. T. C., Hull, Quebec, Canada. Reinforced composite structure. No. 875,699; Jan. 7; Sp. p. 38; Dr. pp. 8-9; Gaz. vol. 132; p. 9.
- Dumais, P. T. C., Hull, Quebec, Canada. Mold. No. 875,700; Jan. 7; Sp. p. 41; Dr. p. 9; Gaz. vol. 132; p. 10.
- Dumartin, H. (See Monard, Dumartin, and Moutier.)

Alphabetical list of patentees—Continued.

- Dumas, E. T., assignor of one-half to S. E. Lawrence, Toledo, Ohio. Railway-crossing. No. 895,985; Aug. 11; Sp. p. 2428; Dr. p. 519; Gaz. vol. 135; p. 1315.
- Dumas, G., Waltham, N. D. Envelop. No. 906,121; Dec. 8; Sp. p. 1985; Gaz. vol. 137; p. 1338.
- Dumas, H. T., Ludlow, Mass. Alarm device for refrigerator overflow-tanks. No. 886,776; May 5; Sp. p. 907; Dr. p. 188; Gaz. vol. 134; p. 149.
- Dümmig, F., New York, N. Y. Fishing-reel. No. 883,100; Mar. 24; Sp. p. 5173; Dr. p. 1105; Gaz. vol. 133; p. 948.
- Dumonceau, J. J., Brussels, Belgium. Pattern for cutting out boots and shoes. No. 882,749; Mar. 24; Sp. p. 4492; Dr. p. 956; Gaz. vol. 133; p. 834.
- Dumond, G., Paris, France. Shock-deadener for vehicles. No. 876,154; Jan. 7; Sp. p. 914; Dr. p. 197; Gaz. vol. 132; p. 155.
- Dumond, N., *et al.* (See Isnard, M. J. S. A., assignor.)
- Dumont, A., *et al.* (See Cyr, W., assignor.)
- Dumphy, J. J., *et al.* (See Ellery, S., assignor.)
- Dun Lany, W. P., assignor to J. A. Lannert, Cleveland, Ohio. Mold and making the same. No. 881,558; Mar. 10; Sp. p. 2115; Dr. p. 462; Gaz. vol. 133; p. 385.
- Dun Lany, W. P., assignor to J. A. Lannert, Cleveland, Ohio. Advertising apparatus. No. 889,590; June 2; Sp. p. 794; Dr. p. 181; Gaz. vol. 134; p. 1186.
- Dun Lany, W. P., assignor to Continental Manufacturing Company, Cleveland, Ohio. Marking-machine. No. 881,559; Mar. 10; Sp. p. 2116; Dr. p. 462; Gaz. vol. 133; p. 385.
- Dunaway, N. S., Pelham, Ala. Wheeled scraper. No. 881,669; Mar. 10; Sp. p. 2344; Dr. p. 508; Gaz. vol. 133; p. 421.
- Dunbar, C., Wellington, Kans. Knife for topping trees and shrubs. No. 887,236; May 12; Sp. p. 1791; Dr. p. 376; Gaz. vol. 134; p. 322.
- Dunbar, E. C., Somerville, Mass., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 896,977; Aug. 25; Sp. p. 4452; Dr. p. 952; Gaz. vol. 135; p. 1683.
- Dunbar, F. W., (See Dyson and Dunbar.)
- Dunbar, F. W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 904,850; Nov. 24; Sp. p. 4779; Gaz. vol. 137; p. 857.
- Dunbar, H. T., Buffalo, N. Y. Spring-wheel. No. 878,714; Feb. 11; Sp. p. 1750; Dr. p. 362; Gaz. vol. 132; p. 1154.
- Dunbar, H. T., Buffalo, N. Y. Gas-engine. No. 887,237; May 12; Sp. p. 1791; Dr. pp. 376-7; Gaz. vol. 134; p. 322.
- Duncan, C. A., Spokane, Wash. Combination caliper-gage. No. 898,565; Sept. 15; Sp. p. 2674; Dr. p. 572; Gaz. vol. 136; p. 491.
- Duncan & Company, J. (See Hauptman, G. E., assignor.)
- Duncan, F. B., assignor to Northern Electrical Manufacturing Company, Madison, Wis. Buffing and grinding apparatus. No. 897,603; Sept. 1; Sp. p. 744; Dr. p. 157; Gaz. vol. 136; p. 118.
- Duncan, G. W., Chicago, Ill. Graphophone-horn. No. 875,790; Jan. 7; Sp. p. 218; Dr. p. 48; Gaz. vol. 132; p. 40.
- Duncan, H. T., Enon Valley, Pa. Wrench. No. 876,704; Jan. 14; Sp. p. 2101; Dr. p. 457; Gaz. vol. 132; p. 371.
- Duncan, J. D. E., Brooklyn, N. Y. Insulator. No. 880,203; Feb. 25; Sp. p. 4775; Dr. pp. 1010-11; Gaz. vol. 132; p. 1710.
- Duncan, J. D. E., East Orange, N. J. Cable-hanger. No. 895,171; Aug. 4; Sp. p. 784; Dr. p. 163; Gaz. vol. 135; p. 1025.
- Duncan, J. E., Siloam Springs, Ark. Calculator. No. 886,588; May 5; Sp. p. 492; Dr. p. 106; Gaz. vol. 134; p. 88.
- Duncan, J. L., *et al.* (See Seerest, J. A., assignor.)
- Duncan, J. S., assignor to Addressograph Company, Chicago, Ill. Printing device. No. 881,385; Mar. 10; Sp. p. 1790; Dr. p. 386; Gaz. vol. 133; p. 329.
- Duncan, J. S., assignor to Addressograph Company, Chicago, Ill. Holder for metal type-bars. No. 881,467; Mar. 10; Sp. p. 1951; Dr. p. 424; Gaz. vol. 133; p. 355.
- Duncan, J. S., assignor to Addressograph Company, Chicago, Ill. Printing-plate. No. 902,281; Oct. 27; Sp. p. 4620; Dr. p. 938; Gaz. vol. 136; p. 1886.
- Duncan, J. S., assignor to Addressograph Company, Chicago, Ill. Type-holder. No. 902,719; Nov. 3; Sp. p. 376; Gaz. vol. 137; p. 64.
- Duncan, J. S., assignor to Addressograph Company, Chicago, Ill. Type-chase. No. 906,397; Dec. 8; Sp. p. 2491; Gaz. vol. 137; p. 1428.
- Duncan, J. S., and J. L. Crist, Lynchburg, Va. Vehicle. No. 880,129; Feb. 25; Sp. p. 4616; Dr. pp. 973-4; Gaz. vol. 132; p. 1685.
- Duncan, J. T., Cardiff, England. Construction of screw-propelled ships. No. 884,912; Apr. 14; Sp. p. 2531; Dr. pp. 535-6; Gaz. vol. 133; p. 1625.
- Duncan, L., Butte, Mont. Clothes-drier. No. 904,319; Nov. 17; Sp. p. 3677; Gaz. vol. 137; p. 654.
- Duncan, W. M., Alton, Ill. Mechanism for controlling the gates of coal-washer jigs. No. 891,610; June 23; Sp. p. 4910; Dr. p. 1059; Gaz. vol. 134; p. 1935.
- Duncan, W. M., Alton, Ill. Self-lubricating wheel. No. 903,551; Nov. 10; Sp. p. 2041; Gaz. vol. 137; p. 365.
- Dunfee, J. W., Fremont, Ohio. Combined cooker and washer. No. 877,493; Jan. 28; Sp. p. 3707; Dr. p. 803; Gaz. vol. 132; p. 691.
- Dunford, P., Summit, Ga. Latch. No. 881,670; Mar. 10; Sp. p. 2345; Dr. p. 508; Gaz. vol. 133; p. 421.
- Dungan, H. C., Jackson, and J. M. Huckins, Springfield; said Huckins assignor to E. Jones, Jackson, Ohio. Calculating attachment. No. 888,598; May 26; Sp. p. 4552; Dr. pp. 965-8; Gaz. vol. 134; p. 834.
- Dungan, J. M., Indianapolis, Ind. Radiator attachment. No. 886,777; May 5; Sp. p. 909; Dr. p. 188; Gaz. vol. 134; p. 150.
- Dungan, T. A., Chicago, Ill. Distillation. No. 878,785; Feb. 11; Sp. p. 1889; Dr. p. 389; Gaz. vol. 132; p. 1177.
- Dunham, A. C., Hartford, Conn. Electric heater. No. 905,159; Dec. 1; Sp. p. 71; Gaz. vol. 137; p. 995.
- Dunham, B. G., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone-exchange system. No. 901,698; Oct. 20; Sp. p. 3443; Dr. pp. 698-9; Gaz. vol. 136; p. 1670.
- Dunham, C. A., Marshalltown, Iowa. Feed-water regulator. No. 884,913; Apr. 14; Sp. p. 2532; Dr. p. 536; Gaz. vol. 133; p. 1625.
- Dunham, C. A., Marshalltown, Iowa. Thermostatic controller. No. 907,478; Dec. 22; Sp. p. 4609; Gaz. vol. 137; p. 1842.
- Dunham, G. W., assignor to Olds Motor Works, Lansing, Mich. Speed-controlling mechanism for motor-vehicles. No. 878,786; Feb. 11; Sp. p. 1891; Dr. p. 389; Gaz. vol. 132; p. 1177.
- Dunham, G. W., assignor to Olds Motor Works, Lansing, Mich. Mud-shield for vehicle-wheel guards. No. 883,454; Mar. 31; Sp. p. 5947; Dr. p. 1268; Gaz. vol. 133; p. 1096.
- Dunham, H. V., Bainbridge, assignor to Casein Company of America, New York, N. Y. Manufacture of casein. No. 897,885; Sept. 8; Sp. p. 1310; Gaz. vol. 136; p. 239.
- Dunham Manufacturing Company. (See Thurber, E. L., assignor.)
- Dünhöfner, H., Berlin, Germany. Change-speed gear. No. 876,337; Jan. 14; Sp. p. 1295; Dr. p. 280; Gaz. vol. 132; p. 245.
- Dunigan, P. R. (See Ellis and McQueen, assignors.)
- Duniway, W. C. (See Larsen, L. B., assignor.)
- Dunkel, G., Görlitz, Germany. Molding-machine. No. 891,528; June 23; Sp. p. 4755; Dr. pp. 1029-30; Gaz. vol. 134; p. 1910.
- Dunkley, M. E., Kalamazoo, Mich., assignor to Hermetic Sealing Company, Wilmington, Del. Tin can. No. 901,429; Oct. 20; Sp. p. 2849; Dr. p. 582; Gaz. vol. 136; p. 1580.
- Dunlap, G. W., Vancouver, British Columbia, Canada. Face-plate for cement-block molds. No. 880,782; Mar. 3; Sp. p. 595; Dr. p. 127; Gaz. vol. 133; p. 102.
- Dunlap, H. M., Battle Creek, Mich. Pneumatic tool. No. 885,985; Apr. 28; Sp. p. 4783; Dr. p. 1005; Gaz. vol. 133; p. 2036.
- Dunlap, R. H., U. S. Marine Corps. Power-transmitting mechanism. No. 886,778; May 5; Sp. p. 910; Dr. p. 189; Gaz. vol. 134; p. 150.
- Dunleavy, J. F., Newton, Mass. Index and filing system. No. 897,604; Sept. 1; Sp. p. 745; Dr. p. 158; Gaz. vol. 136; p. 118.
- Dunn, C. B., Almond, Ala. Concrete-mixing apparatus. No. 888,975; May 26; Sp. p. 5358; Dr. p. 1137; Gaz. vol. 134; p. 956.
- Dunn, C. E., *et al.*, trustees. (See Beck, C. P., assignor.)
- Dunn, C. E., *et al.*, trustees. (See Nelson, C. E., assignor.)
- Dunn, C. E., assignor to Pilgrim Paper Company, New York, N. Y. Machine for the reduction of peat-turf into half-stuff. No. 898,450; Sept. 15; Sp. p. 2451; Dr. p. 525; Gaz. vol. 136; p. 454.
- Dunn, C. E., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Razor-stropping machine. No. 907,014; Dec. 15; Sp. p. 3649; Gaz. vol. 137; p. 1650.
- Dunn, C. E., New York, N. Y., assignor, by mesne assignments, to E. P. Metcalf, Providence, R. I., A. Loewenthal and C. E. Dunn, New York, N. Y., trustees. Method and machine for the reduction of peat-turf. No. 896,281; Aug. 18; Sp. p. 2566; Dr. p. 639; Gaz. vol. 135; p. 1432.
- Dunn, E. B. (See Locke and Dunn.)
- Dunn, E. M., and W. H. Francis, Fairhaven, Mass. Horseshoe. No. 882,494; Mar. 17; Sp. p. 3959; Dr. p. 846; Gaz. vol. 133; p. 717.
- Dunn, E. W., San Jose, Cal. Water-heater. No. 876,868; Jan. 14; Sp. p. 2390; Dr. p. 521; Gaz. vol. 132; p. 422.
- Dunn, F. M. (See Dunn, J. E. and F. M.)
- Dunn, G., East Orange, assignor to Crocker-Wheeler Company, Ampere, N. J. Coil-retainer for dynamo-electric machines. No. 879,949; Feb. 25; Sp. p. 4273; Dr. p. 893; Gaz. vol. 132; p. 1628.
- Dunn, G. F., Brockton, assignor, by mesne assignments, to Boston Machine Works Company, Boston, Mass. Vamp-folding machine. (Reissue.) No. 12,746; Feb. 4; Sp. p. 1214; Dr. pp. 251-2; Gaz. vol. 132; p. 1044.
- Dunn, G. R., assignor of one-half to S. Bryan, San Diego, Cal. Trolley-car-pole attachment. No. 882,495; Mar. 17; Sp. p. 3960; Dr. p. 847; Gaz. vol. 133; p. 717.
- Dunn, G. S., East Orange, assignor to Crocker Wheeler Company, Ampere, N. J. Dynamo-electric machine. No. 893,228; July 14; Sp. p. 1698; Dr. p. 359; Gaz. vol. 135; p. 307.

Alphabetical list of patentees—Continued.

- Dunn, H. F., Elwood, assignor to Dunn Manufacturing Company, Anderson, Ind. Computing cheese-cutter. No. 876,045; Jan. 7; Sp. p. 693; Dr. p. 149; Gaz. vol. 132; p. 120.
- Dunn, H. T., assignor of one-half to B. A. Jackson, New York, N. Y. Air and gas engine. No. 903,689; Nov. 10; Sp. p. 2318; Gaz. vol. 137; p. 407.
- Dunn, J. E. and F. M., Santiago, Cuba. Vacuum evaporator or heater. No. 906,517; Dec. 15; Sp. p. 2725; Gaz. vol. 137; p. 1494.
- Dunn, J. F., St. Joseph, Mo. Weed-killer. No. 885,691; Apr. 21; Sp. p. 4147; Dr. p. 868; Gaz. vol. 133; p. 1907.
- Dunn, J. F., assignor to American Chemical Manufacturing & Mining Company, Rochester, N. Y. Box-opener. No. 905,160; Dec. 1; Sp. p. 73; Gaz. vol. 137; p. 995.
- Dunn, J. H., Timothee, La. Cotton chopper and cultivator. No. 902,385; Oct. 27; Sp. p. 4841; Dr. p. 979; Gaz. vol. 136; p. 1921.
- Dunn, J. S., assignor of two-thirds to S. T. Langdon, Jr., Vincennes, Ind., and L. C. Langdon, Oak Park, Ill. Valve for tires. No. 886,316; Apr. 28; Sp. p. 5432; Dr. p. 1138; Gaz. vol. 133; p. 2146.
- Dunn, M. J., Pittsburg, Pa. Molding-machine. No. 879,950; Feb. 25; Sp. p. 4274; Dr. pp. 893-4; Gaz. vol. 132; p. 1628.
- Dunn Manufacturing Company. (See Dunn, H. F., assignor.)
- Dunn and McCarthy. (See Cheesman, G. R., assignor.)
- Dunn, R. A., Stinesville, Ind. Letter-book. No. 899,035; Sept. 22; Sp. p. 3548; Dr. p. 759; Gaz. vol. 136; p. 670.
- Dunn, W. C., Kansas City, Mo. Air-ship. No. 877,307; Jan. 21; Sp. p. 3345; Dr. p. 725; Gaz. vol. 132; p. 610.
- Dunn, W. L., Santa Barbara county, Cal. Apparatus for screwing well-casing. No. 883,630; Mar. 31; Sp. p. 6279; Dr. p. 1339; Gaz. vol. 133; p. 1149.
- Dunnick, J. T., *et al.* (See Althen, W. C., assignor.)
- Dunnihoo, H. H., Shattuck, Okla. Draft-equalizer. No. 907,015; Dec. 15; Sp. p. 3651; Gaz. vol. 137; p. 1650.
- Dunning, C., New Orleans, La. Journal-bearing. No. 907,324; Dec. 22; Sp. p. 4288; Gaz. vol. 137; p. 1790.
- Dunning, E. L., Providence, R. I. Vaporizer. No. 888,393; May 19; Sp. p. 4111; Dr. p. 868; Gaz. vol. 134; p. 732.
- Dunning, R. A., Yarmouth, Me. Fabric. No. 878,944; Feb. 11; Sp. p. 2185; Dr. p. 457; Gaz. vol. 132; p. 1227.
- Dunphy, A. L., East Greenwich, England. Inverted incandescent gas-burner. No. 907,976; Dec. 29; Sp. p. 5669; Gaz. vol. 137; p. 2034.
- Dunstan, W. A., Susanville, Oreg. Shoe-fastening. No. 886,779; May 5; Sp. p. 911; Dr. p. 189; Gaz. vol. 134; p. 150.
- Dunston, R. P. (See Bree, L., assignor.)
- Duntley, J. W., *et al.* (See Small, H., assignor.)
- Duntley, W. O., *et al.* (See Small, H., assignor.)
- Duntley, W. O., Chicago, Ill. Steam-turbine. No. 882,102; Mar. 17; Sp. p. 3244; Dr. p. 690; Gaz. vol. 133; p. 590.
- Duntley, W. O., Chicago, Ill., and H. J. Kimman, Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, Chicago, Ill. Controller for electric drills. No. 904,851; Nov. 24; Sp. p. 4784; Gaz. vol. 137; p. 858.
- Dunwoody, H., U. S. Army. Wireless-telegraph apparatus. No. 898,197; Sept. 8; Sp. p. 1959; Dr. pp. 418-19; Gaz. vol. 136; p. 340.
- Duó, C., Buenos Ayres, Argentina. Telephonic protector against electromagnetic effects. No. 890,850; June 16; Sp. p. 3370; Dr. p. 738; Gaz. vol. 134; p. 1636.
- Duo Motor Company. (See Oulton, D. L., assignor.)
- Dupeire, E. J., New Orleans, La. Device to hang and unhang pictures. No. 889,215; June 2; Sp. p. 60; Dr. p. 13; Gaz. vol. 134; p. 1066.
- Dupen, W., Jr., Sacramento, Cal. Alarm-clock. No. 893,152; July 14; Sp. p. 1558; Dr. p. 329; Gaz. vol. 135; p. 284.
- Duperrault, N., Westfield, Mass. Thumb or finger attachment. No. 888,976; May 26; Sp. p. 5360; Dr. p. 1137; Gaz. vol. 134; p. 957.
- Dupin, J. V., and J. M. Anizan, Labouheyre, Landes, France. Sap-collecting device. No. 908,222; Dec. 29; Sp. p. 6213; Gaz. vol. 137; p. 2118.
- Duplex Metals Company. (See Monnot, J. F., assignor.)
- Duplex Printing Press Company. (See Bechman, H. F., assignor.)
- Duplex Printing Press Company. (See Dowell, A. E., assignor.)
- Dupont, C. I. (See Hart and Dupont.)
- Dupont, J. A., Paris, France. Paper-making machine. No. 877,836; Jan. 23; Sp. p. 4372; Dr. p. 950; Gaz. vol. 132; p. 801.
- Dupont, P., Le Cateau, France. Apparatus for molding. No. 892,142; June 30; Sp. p. 5995; Dr. p. 1289; Gaz. vol. 134; p. 2143.
- Dupont, P., Le Cateau, France. Molding large articles. No. 892,143; June 30; Sp. p. 6001; Dr. p. 1290; Gaz. vol. 134; p. 2143.
- Dupont, P., Le Cateau, France. Molding bath-tubs and other large articles. No. 892,144; June 30; Sp. p. 6006; Dr. pp. 1290-1; Gaz. vol. 134; p. 2144.
- Dupras, J., Willows, Cal. Gate. No. 906,398; Dec. 8; Sp. p. 2493; Gaz. vol. 137; p. 1429.
- Dupuis, F., Pawtucket, F. E. Page, Providence, and G. H. Page, Pawtucket, R. I. Water-heating apparatus. No. 889,775; June 2; Sp. p. 1139; Dr. p. 265; Gaz. vol. 134; p. 1243.
- Dupuis, I., Vancouver, British Columbia, Canada. Bottle-washer. No. 901,160; Oct. 13; Sp. p. 2265; Dr. p. 461; Gaz. vol. 136; p. 1455.
- Duquesne, A. E., *et al.* (See Pasteur, C. D. A., assignor.)
- Duquesne Glass Co. (See Croskey, J. H., assignor.)
- Durack, P. H., El Paso, Tex. Means for ventilating and expelling water from mines. No. 893,988; July 21; Sp. p. 3365; Dr. p. 689; Gaz. vol. 135; p. 587.
- Durack, P. H., El Paso, Tex. Air-lock for mines and tunnels. No. 898,343; Sept. 8; Sp. p. 2221; Dr. p. 472; Gaz. vol. 136; p. 385.
- Durand & Co. (See Mandeville, I., assignor.)
- Durand & Co. (See Ward, H. C., assignor.)
- Durand, E. F., Paris, France, assignor to Union Special Sewing Machine Co., Chicago, Ill. Feeding mechanism for sewing-machines. No. 901,792; Oct. 20; Sp. p. 3632; Dr. pp. 735-6; Gaz. vol. 136; p. 1700.
- Durand, L., Dumont, N. J., assignor of one-fifth to R. O. Currie, New York, N. Y. Reduction of copper ore. No. 879,530; Feb. 18; Sp. p. 3355; Dr. p. 703; Gaz. vol. 132; p. 1457.
- Duranoid M'fg. Co. (See Meyer and Lamar, assignors.)
- Durbin, A. T. (See Swedberg and Durbin.)
- Durbin, F. H., *et al.* (See Shadall, C. E., assignor.)
- Dure, F. S., Wilmington, Del. Overchecking-bit for bridles. No. 900,712; Oct. 13; Sp. p. 1374; Dr. p. 280; Gaz. vol. 136; p. 1311.
- Durell, W. H., Jackson, Tenn. Rail-joint. No. 897,069; Aug. 25; Sp. p. 4640; Dr. p. 988; Gaz. vol. 135; p. 1715.
- Durett, P., Nice, France. Hasp-lock. No. 879,948; Feb. 25; Sp. p. 4272; Dr. p. 893; Gaz. vol. 132; p. 1628.
- Durfee, C. G., Rochester, N. Y. Electric meter and service box. No. 890,851; June 16; Sp. p. 3372; Dr. p. 739; Gaz. vol. 134; p. 1657.
- Durgin, F., Sioux, Nebr. Draft-equalizer. No. 883,298; Mar. 31; Sp. p. 5607; Dr. p. 1195; Gaz. vol. 133; p. 1044.
- Durham Buggy Company. (See Behlen, C. A., assignor.)
- Durham, E. L., Danville, Va. Barrel-catch for revolvers. No. 893,465; July 14; Sp. p. 2184; Dr. p. 459; Gaz. vol. 135; p. 385.
- Durham, J. E., Muncie, Ind. Hand-car. No. 879,090; Feb. 11; Sp. p. 2463; Dr. p. 513; Gaz. vol. 132; p. 1271.
- Durham, J. L., Sanco, Tex. Millstone. No. 891,050; June 16; Sp. p. 3788; Dr. p. 827; Gaz. vol. 134; p. 1722.
- Durham, S. C., Reed City, Mich. Cuff-holder. No. 893,466; July 14; Sp. p. 2186; Dr. p. 459; Gaz. vol. 135; p. 386.
- Durkee, C. D., New York, N. Y. Check for bowsprits. No. 894,427; July 28; Sp. p. 4300; Dr. p. 887; Gaz. vol. 135; p. 753.
- Durkee, W. H., New York, N. Y. Deck-plate. No. 882,877; Mar. 24; Sp. p. 4733; Dr. p. 1011; Gaz. vol. 133; p. 876.
- Durkee, W. H., New York, N. Y. Deck-plate and the like. No. 896,282; Aug. 18; Sp. p. 2970; Dr. p. 640; Gaz. vol. 135; p. 1433.
- Durkin Controller Handle Company. (See Durkin, J. P., assignor.)
- Durkin, J. P., assignor to Durkin Controller Handle Company, Philadelphia, Pa. Controller-regulator. No. 875,791; Jan. 7; Sp. p. 219; Dr. p. 48; Gaz. vol. 132; p. 40.
- Durr, E. P. (See Steele, T. A., assignor.)
- Durr, F., Karlsruhe, Germany. Carbureting apparatus for explosive-engines. No. 890,970; June 16; Sp. p. 3637; Dr. p. 791; Gaz. vol. 134; p. 1696.
- Durso, G., New York, N. Y. Dumping-wagon. No. 877,180; Jan. 21; Sp. p. 3093; Dr. p. 669; Gaz. vol. 132; p. 568.
- Durst, G., Savannah, assignor of one-half to H. Wood, Atlanta, Ga. Gravity leveling and plumbing attachment. No. 898,853; Sept. 15; Sp. p. 3212; Dr. p. 688; Gaz. vol. 136; p. 584.
- Durst, W. A., Clearfield, Pa. Hinge-gage. No. 891,330; June 23; Sp. p. 4345; Dr. p. 947; Gaz. vol. 134; p. 1845.
- Duryea, C. B., Cardinal, Ontario, Canada. Drying apparatus. No. 887,317; May 12; Sp. p. 421; Dr. p. 421; Gaz. vol. 134; p. 352.
- Duryea, C. E., Reading, Pa., assignor to Corbin Motor Vehicle Corporation, New Britain, Conn. Transmission mechanism. No. 897,261; Aug. 25; Sp. p. 5114; Dr. pp. 1067-8; Gaz. vol. 135; p. 1780.
- Duryea, J. F., Springfield, Mass. Carburetor. No. 907,757; Dec. 29; Sp. p. 5216; Gaz. vol. 137; p. 1963.
- Duryea, J. F., and W. M. Remington, Springfield, Mass. Tubular base for motors. No. 885,231; Apr. 21; Sp. p. 3227; Dr. pp. 673-4; Gaz. vol. 133; p. 1761.
- Duryea, J. F., and W. M. Remington, Springfield, assignors to Stevens-Duryea Company, Chicopee Falls, Mass. Transmission-gear. No. 895,542; Aug. 11; Sp. p. 1540; Dr. p. 326; Gaz. vol. 135; p. 1173.
- Duryea, O. C., Los Angeles, Cal. Double-acting gas or vapor engine. No. 875,899; Jan. 7; Sp. p. 418; Dr. p. 93; Gaz. vol. 132; p. 77.
- Duryea, F. G., Fort Wayne, Ind. Battery-charging apparatus. No. 892,655; July 7; Sp. p. 509; Dr. p. 107; Gaz. vol. 135; p. 90.
- Dusel, C. (See Zöpfchen and Dusel.)
- Dusenbery, A. D., Ionia, Kans. Corn harvester and shocker. No. 893,313; July 14; Sp. p. 1861; Dr. p. 389; Gaz. vol. 135; p. 335.
- Dustin, J. F., Springfield, Mass. File-fabric loom. No. 875,792; Jan. 7; Sp. p. 220; Dr. p. 48; Gaz. vol. 132; p. 41.

Alphabetical list of patentees—Continued.

- Dustman, E. J., New York, N. Y. Switch-box. No. 904,320; Nov. 17; Sp. p. 3679; Gaz. vol. 137; p. 654.
- Dutchess Tool Company. (See Van Houten, F. H., assignor.)
- Dutrieux, A., Le Quesnoy, France. Shock-absorber. No. 891,529; June 23; Sp. p. 4757; Dr. p. 1030; Gaz. vol. 134; p. 1911.
- Dutton, C. F., Jr., Cleveland, Ohio. Projection-lantern. No. 887,928; May 19; Sp. p. 3236; Dr. p. 680; Gaz. vol. 134; p. 583.
- Dutton, F. D., Mount Pleasant, Iowa. Corn-rack. No. 881,560; Mar. 10; Sp. p. 2119; Dr. p. 463; Gaz. vol. 133; p. 396.
- Dutton, E. F. Schenectady, N. Y., assignor to General Electric Company. System of motor control. No. 890,622; June 16; Sp. p. 2894; Dr. p. 635; Gaz. vol. 134; p. 1581.
- Duval, A. S., Philadelphia, Pa. Potato-masher, soup-strainer, and the like. No. 908,223; Dec. 29; Sp. p. 6214; Gaz. vol. 137; p. 2118.
- Duval, G. E., Way Cross, Ga. Stripping device. No. 894,821; Aug. 4; Sp. p. 43; Dr. p. 9; Gaz. vol. 135; p. 907.
- Duval, L. W. (See Petteway and Duval.)
- Duvall, R. M., *et al.* (See Patten, J. S., assignor.)
- Duvall, R. M., *et al.* (See Patten, J. S., assignor.) (Reissue.)
- Duyke, M. Von, Wellington, assignor to S. K. Auble, Lodi, Ohio. Medicated stock-salt and making the same. No. 879,070; Feb. 11; Sp. p. 2408; Gaz. vol. 132; p. 1265.
- Dwiggins, A. P., assignor to J. E. Barricklow, Waynetown, Ind. Steam-engine. No. 885,670; Apr. 21; Sp. p. 4104; Dr. p. 859; Gaz. vol. 133; p. 1906.
- Dwight, A. S., and R. L. Lloyd, Cananea, Mexico. Treating ores. No. 882,517; Mar. 17; Sp. p. 4012; Dr. p. 857; Gaz. vol. 133; p. 725.
- Dwight, A. S., and R. L. Lloyd, Cananea, Mexico. Roasting and sintering ores. No. 882,518; Mar. 17; Sp. p. 4020; Dr. p. 858; Gaz. vol. 133; p. 726.
- Dwight, G. C., Red Bank, N. J. Window-cleaner. No. 897,605; Sept. 1; Sp. p. 747; Dr. p. 158; Gaz. vol. 136; p. 119.
- Dworak, E. O., Chicago, Ill. Arc-lamp. No. 904,185; Nov. 17; Sp. p. 3374; Gaz. vol. 137; p. 607.
- Dwyer, J. F., Jefferson City, Mo. Duster. No. 884,267; Apr. 7; Sp. p. 1223; Dr. p. 257; Gaz. vol. 133; p. 1386.
- Dwyer, R. B., Chicago, Ill. Belt. No. 886,780; May 5; Sp. p. 912; Dr. p. 189; Gaz. vol. 134; p. 150.
- Dwyer, T. E., Wakefield, Mass. Stop-cock. No. 904,852; Nov. 24; Sp. p. 4788; Gaz. vol. 137; p. 858.
- Dyar, C. P., Marietta, Ohio. Draft-equalizer. No. 878,873; Feb. 11; Sp. p. 2050; Dr. p. 425; Gaz. vol. 132; p. 1204.
- Dyblie, J. A., Joliet, Ill. Tire-pump. No. 896,902; Aug. 25; Sp. p. 4254; Dr. p. 910; Gaz. vol. 135; p. 1657.
- Dyblie, J. A., Joliet, assignor of one-half to H. R. McCullough, Chicago, Ill. Cock for controlling fluid under pressure. No. 881,228; Mar. 10; Sp. p. 1473; Dr. p. 316; Gaz. vol. 133; p. 273.
- Dye, F. B., Fay, Ohio. Aerial cableway. No. 900,713; Oct. 13; Sp. p. 1375; Dr. p. 280; Gaz. vol. 136; p. 1311.
- Dye, F. L., Springfield, Ill. Sleet cutter and scraper. No. 887,077; May 12; Sp. p. 1478; Dr. p. 314; Gaz. vol. 134; p. 272.
- Dye, J. O. (See Goodfellow, M., assignor.)
- Dye Works, formerly L. Durand, Huguenin & Co. (See De la Harpe, C., assignor.)
- Dye Works, formerly L. Durand, Huguenin & Co., Firm of. (See De la Harpe and Burckhardt, assignors.)
- Dye Works, formerly L. Durand, Huguenin & Co., Firm of. (See De la Harpe, Burckhardt, and Zehntner, assignors.)
- Dye Works, formerly L. Durand, Huguenin & Co., Firm of. (See De la Harpe, Oswald, and Zehntner, assignors.)
- Dyer, C. A., Coalton, assignor of one-half to H. N. Schoenberger, Wellston, and W. J. Shumate, Jackson, Ohio. Rail-joint. No. 893,575; July 14; Sp. p. 2436; Dr. p. 507; Gaz. vol. 135; p. 421.
- Dyer, C. E. and H. N., Abilene, Kans. Transplanting-machine. No. 884,139; Apr. 7; Sp. p. 996; Dr. p. 208; Gaz. vol. 133; p. 1345.
- Dyer, E. (See Button and Dyer.)
- Dyer, F. L. (See Aylsworth and Dyer.)
- Dyer, F. L., Montclair, and F. D. Lewis, Elizabeth, assignors to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 904,853; Nov. 24; Sp. p. 4789; Gaz. vol. 137; p. 858.
- Dyer, G. H., San Francisco, Cal. Spacing-machine. No. 899,294; Sept. 22; Sp. p. 4065; Dr. pp. 868-9; Gaz. vol. 136; p. 755.
- Dyer, H. G., assignor of one-half to W. J. Van Meter, Gloucester City, N. J. Trolley-wire splicer. No. 889,776; June 2; Sp. p. 1142; Dr. p. 265; Gaz. vol. 134; p. 1243.
- Dyer, H. N. (See Dyer, C. E. and H. N.)
- Dyer, H. W., East Orange, N. J., assignor to Dyer Revolving Door Company. Revolving door. No. 886,317; Apr. 28; Sp. p. 5433; Dr. pp. 1138-9; Gaz. vol. 133; p. 2146.
- Dyer, J. W., Detroit, Mich. Shaving-mug. No. 901,082; Oct. 13; Sp. p. 2127; Dr. p. 433; Gaz. vol. 136; p. 1430.
- Dyer, L. H., New York, N. Y. Transmission-gear for motor-vehicles. No. 885,986; Apr. 28; Sp. p. 4785; Dr. p. 1006; Gaz. vol. 133; p. 2036.
- Dyer, L. H., Washington, D. C. Cotton-gin. No. 891,798; June 23; Sp. p. 5314; Dr. pp. 1150-1; Gaz. vol. 134; p. 2001.
- Dyer Revolving Door Company. (See Dyer, H. W., assignor.)
- Dyer, S., Muncie, Ind. Mold for sash-weights. No. 904,519; Nov. 24; Sp. p. 4086; Gaz. vol. 137; p. 745.
- Dyer, T. J., Cincinnati, Ohio. Combined faucet and overflow. No. 890,623; June 16; Sp. p. 2896; Dr. p. 636; Gaz. vol. 134; p. 1582.
- Dyett, F. J., Iilon, N. Y. Type-writing machine. No. 881,910; Mar. 17; Sp. p. 2847; Dr. p. 608; Gaz. vol. 133; p. 527.
- Dyett, F. J., Iilon, N. Y. Type-writer. No. 896,283; Aug. 18; Sp. p. 2971; Dr. p. 640; Gaz. vol. 135; p. 1433.
- Dyett, J. H., Brooklyn, assignor to W. J. Anderson, New York, N. Y. Strip-moistening machine. No. 896,443; Aug. 18; Sp. p. 3310; Dr. p. 712; Gaz. vol. 135; p. 1484.
- Dyk, C. L., Orange City, Iowa. Manure-spreader. No. 893,789; July 21; Sp. p. 2944; Dr. p. 602; Gaz. vol. 135; p. 522.
- Dyk, C. L., Orange City, Iowa. Manure-spreader. No. 894,261; July 28; Sp. p. 3952; Dr. p. 814; Gaz. vol. 135; p. 698.
- Dyke, P. P., Sidney, Ohio. Shaft-bending machine. No. 886,359; May 5; Sp. p. 36; Dr. p. 8; Gaz. vol. 134; p. 10.
- Dyke, P. P., Sidney, Ohio. Shaft-bending machine. (Reissue.) No. 12,850; Sept. 8; Sp. p. 2376; Dr. p. 507; Gaz. vol. 136; p. 412.
- Dykema, F. L., Grand Rapids, Mich., assignor, by mesne assignments, to Monarch Manufacturing Company, Augusta, Me. Wall-plug. No. 903,459; Nov. 10; Sp. p. 1836; Gaz. vol. 137; p. 334.
- Dykes, J. L. G., Milford, Ill. Vehicle-tire. No. 897,726; Sept. 1; Sp. p. 984; Dr. p. 209; Gaz. vol. 136; p. 158.
- Dyson, A. H., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 899,787; Sept. 29; Sp. p. 5060; Dr. p. 1084; Gaz. vol. 136; p. 952.
- Dyson, A. H., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 907,581; Dec. 22; Sp. p. 4798; Gaz. vol. 137; p. 1875.
- Dyson, A. H., and F. W. Dunbar, Chicago, Ill. Telephone system. No. 907,582; Dec. 22; Sp. p. 4815; Gaz. vol. 137; p. 1875.
- Dytrych, J. (See Franck and Dytrych.)
- Dzur, W. F., Chicago, Ill. Valve-trap. No. 877,181; Jan. 21; Sp. p. 3094; Dr. p. 670; Gaz. vol. 132; p. 569.
- E. Bement's Sons. (See Wells, R. S., assignor.)
- E. Eiger & Bros. (See Nattenheimer, J., assignor.)
- E. Goldman & Co. (See Williams, F. C., assignor.)
- E. Goldman & Company. (See Paul, J. T. H., assignor.)
- E. Green and Son. (See Liebert, H. A. E., assignor.)
- E. Howard Watch Company. (See Mehl, W. B., assignor.)
- E. Ingraham Co. (See Stockton and Porter, assignors.)
- E. Jenckes Manufacturing Company. (See Groupe, A. V., assignor.)
- E. Kirstein Sons Company. (See Bader, G. A., assignor.)
- E. Kirstein Sons Company *et al.* (See Becker, L. B., assignor.)
- E. Rutzler Co. (See McCrystal, J., assignor.)
- E. A. Pflueger Company. (See Pflueger, E. A., assignor.)
- E. A. Schwerdtfeger & Co. (See Vollmer, M., assignor.)
- E. B. Eddy Co. (See Millen and Van Dusen, assignors.)
- E. C. Atkins & Co. (See Mayer, G. J., assignor.)
- E. C. Atkins & Company. (See Coyle, R., assignor.)
- E. C. Fuller Company. (See Sturtevant, C. A., assignor.)
- E. C. Stearns & Co. (See Schneeloch, A., assignor.)
- E. H. Mumford Company. (See Bonvillian, F., assignor.) (Reissue.)
- E. H. Mumford Company. (See Bonvillian and Ronceray, assignors.) (Reissue.)
- E. H. Stafford Manufacturing Company. (See Field, J. F., assignor.)
- E. H. Vavra & Co. (See Greene, C. E., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Arnold, C. E., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Chesney, J., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Donaldson, W. I., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Du Pont, F. I., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Holmes, F. B., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Ortiz, J., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Smith, P. S., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Wheeler, P., assignor.)
- E. J. Brooks & Co. (See Clerke, E. M., assignor.)

Alphabetical list of patentees—Continued.

- E. M. Bowden's Patents Syndicate. (See De Veuille, F. H., assignor.)
 E. P. Company. (See Horton, O. E., assignor.)
 E. & T. Fairbanks & Company. (See Steenken, W., assignor.)
 E. T. Fraim Lock Company. (See Fraim, S. R., assignor.)
 E. W. Bliss Co. (See Wilzin, A., assignor.)
 E. W. Bliss Company. (See Beyer, O. S., assignor.)
 E. W. Bliss Company. (See Gilmartin, M. W., assignor.)
 E. W. Bliss Company. (See Leavitt, F. M., assignor.)
 E. W. Bliss Company. (See Rigby, J. J., assignor.)
 Eachus, I., Philadelphia, Pa. Device for operating ventilators. No. 876,338; Jan. 14; Sp. p. 1297; Dr. p. 280; Gaz. vol. 132; p. 246.
 Eady, J. T., Carrollton, Ga. Attachment for road-machines. No. 902,139; Oct. 27; Sp. p. 4323; Dr. p. 876; Gaz. vol. 136; p. 1841.
 Eagan, J. J., San Francisco, Cal. System for transmitting electric currents to cars. No. 897,965; Sept. 8; Sp. p. 1513; Dr. p. 321; Gaz. vol. 136; p. 267.
 Eagan, M. P., Newport, R. I. Hose-coupling. No. 883,941; Apr. 7; Sp. p. 548; Dr. p. 109; Gaz. vol. 133; p. 1280.
 Eager, F. L., Waterbury, Conn. Engine. No. 886,589; May 5; Sp. p. 493; Dr. p. 106; Gaz. vol. 134; p. 88.
 Eagle Generator Company. (See Einstein, A. C., assignor.)
 Eagle Lock Co. (See Murphy, J. J., assignor.)
 Eagle Manufacturing Company. (See Williams, B. C., assignor.)
 Eagle Pencil Company. (See Boman, C. W., assignor.)
 Eagle Pencil Company. (See Kenny, J. S., assignor.)
 Eagle Pencil Company. (See McIntyre, T., assignor.)
 Eagle, R. E. L. (See Hampton and Eagle.)
 Eagon, H. M., New Comerstown, Ohio. Incandescent gas-lamp. No. 876,444; Jan. 14; Sp. p. 1530; Dr. p. 329; Gaz. vol. 132; p. 282.
 Ean, A. J. (See Whitehurst, D., assignor.)
 Earl, J. H., Detroit, Mich. Automatic ginger-ale dispenser. No. 880,370; Feb. 25; Sp. p. 5094; Dr. p. 1077; Gaz. vol. 132; p. 1765.
 Earl, W. D., Seattle, Wash. Cooking utensil. No. 906,399; Dec. 8; Sp. p. 2494; Gaz. vol. 137; p. 1429.
 Earl, W. H., New Orleans, La. Pneumatic-carrier system. No. 904,414; Nov. 17; Sp. p. 3843; Gaz. vol. 137; p. 683.
 Earl, W. W., assignor to Woodward & Powell Planer Company, Worcester, Mass. Speed-changing mechanism. No. 892,947; July 7; Sp. p. 1123; Dr. pp. 235-6; Gaz. vol. 135; p. 187.
 Earle, E. J. V., et al. (See Colloseus, H., assignor.) (Reissue.)
 Earle, H. S., Detroit, Mich. Hoe. No. 891,412; June 23; Sp. p. 4524; Dr. p. 983; Gaz. vol. 134; p. 1872.
 Earle, J. H., and J. H. Senn, assignors of one-third to W. West, Greenville, S. C. Mail-catcher. No. 879,816; Feb. 18; Sp. p. 3952; Dr. p. 827; Gaz. vol. 132; p. 1550.
 Earling, H. B., W. A. Parker, and R. Hughes, Minneapolis, Minn. Dump-car. No. 886,781; May 5; Sp. p. 913; Dr. p. 189; Gaz. vol. 134; p. 150.
 Early, E. L. (See Keith and Early.)
 Early, S. (See Shotwell, W. B., assignor.)
 Early, S. C., Marion, N. C. Needle-threader. No. 888,977; May 26; Sp. p. 5362; Dr. p. 1137; Gaz. vol. 134; p. 957.
 Earnest, J. D., Rutledge, Ga. Bolt. No. 877,061; Jan. 21; Sp. p. 2840; Dr. p. 613; Gaz. vol. 132; p. 529.
 Earnest, R. L. (See Apfel and Earnest.)
 Earnest, W., Garyville, La. Cart. No. 898,344; Sept. 8; Sp. p. 2224; Dr. p. 472; Gaz. vol. 136; p. 386.
 Earnshaw, E. H., Orange, N. J., assignor to United Gas Improvement Company, Philadelphia, Pa. Tar-extractor. No. 907,583; Dec. 22; Sp. p. 4826; Gaz. vol. 137; p. 1876.
 Earnshaw, J. C., assignor to Moss Rose Manufacturing Company, Philadelphia, Pa. Double-faced woven fabric. No. 881,386; Mar. 10; Sp. p. 1791; Dr. p. 387; Gaz. vol. 133; p. 329.
 Easley, G. H., and F. O. Buckles, Bristol, Tenn. Filter. No. 896,202; Aug. 18; Sp. p. 2818; Dr. p. 607; Gaz. vol. 135; p. 1406.
 Easley, R. A., Hohenwald, Tenn. Railway-switch. No. 907,977; Dec. 29; Sp. p. 5670; Gaz. vol. 137; p. 2034.
 Easlick, E. L., assignor to Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle-tire. No. 890,624; June 16; Sp. p. 2897; Dr. p. 636; Gaz. vol. 134; p. 1582.
 Eason, W. B., Era, Ark. Trap. No. 885,671; Apr. 21; Sp. p. 4106; Dr. pp. 359-60; Gaz. vol. 133; p. 1901.
 Eastburn, S. L., and R. C. Reeves, Jr., Sloatsburg, N. Y. Closet-seat. No. 904,053; Nov. 17; Sp. p. 3079; Gaz. vol. 137; p. 560.
 Easterbrooks, W. E., Warwick, assignor, by mesne assignments, to himself, A. A. Wilkinson, and J. W. Cordery, Providence, R. I. Book for manifold writing. No. 886,782; May 5; Sp. p. 914; Dr. p. 190; Gaz. vol. 134; p. 151.
 Easterday, E. S., Nokomis, Ill. Cow-tail holder. No. 893,989; July 21; Sp. p. 3368; Dr. p. 689; Gaz. vol. 135; p. 588.
 Eastern Finishing Works. (See Adams, W. H., assignor.)
 Easterwood, J. M., Eupora, Miss. Stirrup. No. 877,062; Jan. 21; Sp. p. 2840; Dr. p. 613; Gaz. vol. 132; p. 529.
 Eastman, A. S., Morrow, assignor of one-half to G. W. Hengst, Norwood, Ohio. Combination churn and butter-worker. No. 881,731; Mar. 10; Sp. p. 2549; Dr. p. 548; Gaz. vol. 133; p. 455.
 Eastman, C. A., and R. H. Bethel, Charlotte, N. C. Commode or closet seat. No. 876,705; Jan. 14; Sp. p. 2102; Dr. p. 457; Gaz. vol. 132; p. 372.
 Eastman, C. J., Los Angeles, Cal. Cable-power. No. 900,060; Sept. 29; Sp. p. 5655; Dr. p. 1208; Gaz. vol. 136; p. 1040.
 Eastman, E. A., Chicago, Ill., assignor of one-half to Crawford McGregor & Canby Company, Dayton, Ohio. Last-demonstrator. No. 882,818; Mar. 24; Sp. p. 4622; Dr. p. 985; Gaz. vol. 133; p. 856.
 Eastman, E. A., Chicago, Ill., assignor of one-half to Crawford, McGregor & Canby Co., Dayton, Ohio. Last-demonstrator. No. 888,149; May 19; Sp. p. 3653; Dr. p. 765; Gaz. vol. 134; p. 653.
 Eastman, H. B., et al. (See Moore, J. E., assignor.)
 Eastman, J., Seattle, Wash. Laundry-crate. No. 886,685; May 5; Sp. p. 691; Dr. p. 143; Gaz. vol. 134; p. 118.
 Eastman Kodak Co. (See Carkhuff, N. W., assignor.)
 Eastman Kodak Co. (See Winter, H. J., assignor.)
 Eastman Kodak Company. (See Barnes, F. W., assignor.)
 Eastman Kodak Company. (See Barnes and Punnett, assignors.)
 Eastman Kodak Company. (See Brownell, F. A., assignor.)
 Eastman Kodak Company. (See Folmer, W. F., assignor.)
 Eastman Kodak Company. (See Gray, H. L., assignor.)
 Eastman Kodak Company. (See Haste, J. H., assignor.)
 Eastman Kodak Company. (See Kroedel, R., assignor.)
 Eastman Kodak Company. (See Lovejoy, F. W., assignor.)
 Eastman, L. K., Detroit, Mich. Device for dividing powder and filling wrappers with the same. No. 899,211; Sept. 22; Sp. p. 3895; Dr. pp. 831-2; Gaz. vol. 136; p. 729.
 Eastman, R. A., et al. (See Hanses, F., assignor.)
 Eastman, T., assignor of one-half to W. P. Osborn, Rocky Ford, Colo. Beet-harvesting machine. No. 895,986; Aug. 11; Sp. p. 2429; Dr. p. 519; Gaz. vol. 135; p. 1316.
 Easton, F. B., New York, N. Y. Automatic supply-cock. No. 892,815; July 7; Sp. p. 827; Dr. p. 176; Gaz. vol. 135; p. 142.
 Easton, W. B., Chicago, Ill. Ore-stamp. No. 886,686; May 5; Sp. p. 692; Dr. p. 143; Gaz. vol. 134; p. 118.
 Eastwick, J. E., Philadelphia, Pa. Revitalizing discarded plaster-of-paris. No. 898,451; Sept. 15; Sp. p. 2455; Gaz. vol. 136; p. 455.
 Eastwood, A. C. (See Shover and Eastwood.)
 Eastwood, A. C., Cleveland, Ohio. Reversing-switch. No. 875,900; Jan. 7; Sp. p. 421; Dr. p. 93; Gaz. vol. 132; p. 77.
 Eastwood, A. C., Cleveland, Ohio. System of control for electric motors. No. 875,901; Jan. 7; Sp. p. 423; Dr. p. 94; Gaz. vol. 132; p. 77.
 Eastwood, A. C., Cleveland, Ohio. System of control for electric motors. No. 881,387; Mar. 10; Sp. p. 1792; Dr. pp. 387-8; Gaz. vol. 133; p. 329.
 Eastwood, A. C., Cleveland, Ohio. System for electric railways. No. 884,644; Apr. 14; Sp. p. 2007; Dr. pp. 429-30; Gaz. vol. 133; p. 1538.
 Eastwood, A. C., Cleveland, Ohio. System for electric railways. No. 884,645; Apr. 14; Sp. p. 2011; Dr. pp. 430-1; Gaz. vol. 133; p. 1538.
 Eastwood, A. C., Cleveland, Ohio. Electric railway. No. 884,646; Apr. 14; Sp. p. 2018; Dr. p. 431; Gaz. vol. 133; p. 1539.
 Eastwood, A. C., Cleveland, Ohio. Power-developing apparatus. No. 889,359; June 2; Sp. p. 326; Dr. p. 77; Gaz. vol. 134; p. 1111.
 Eastwood, A. C., Cleveland, Ohio. System of control for electric motors. No. 904,765; Nov. 24; Sp. p. 4599; Gaz. vol. 137; p. 828.
 Eastwood, A. C., and F. R. Fishback, assignors to Electric Controller and Supply Company, Cleveland, Ohio. Lifting-magnet. No. 903,552; Nov. 10; Sp. p. 2042; Gaz. vol. 137; p. 365.
 Eastwood, B. Jr., and B. Schibler, Jr., assignors to Benjamin Eastwood Company, Paterson, N. J. Quilling-machine. No. 900,155; Oct. 6; Sp. p. 173; Dr. p. 36; Gaz. vol. 136; p. 1101.
 Eastwood, R., Colne, England. Piano-action. No. 882,302; Mar. 17; Sp. p. 3630; Dr. p. 770; Gaz. vol. 133; p. 654.
 Eastwood, W. P., Hailey, Idaho. Motor-sled. No. 881,388; Mar. 10; Sp. p. 1797; Dr. p. 388; Gaz. vol. 133; p. 330.
 Eaton, A. L., New York, N. Y. Belt-fastener. No. 881,389; Mar. 10; Sp. p. 1799; Dr. p. 389; Gaz. vol. 133; p. 330.
 Eaton, C. L., Worcester, Mass. Shoe-sewing machine. No. 877,556; Jan. 28; Sp. p. 3852; Dr. pp. 833-4; Gaz. vol. 132; p. 712.

Alphabetical list of patentees—Continued.

- Eaton, C. L., Binghamton, N. Y., assignor to United Shoe Machinery Company, Boston, Mass. Channeling and grooving machine. No. 885,232; Apr. 21; Sp. p. 3229; Dr. p. 674; Gaz. vol. 133; p. 1762.
- Eaton, F. L. (See Steele, G., assignor.)
- Eaton, G. C., Norwich, N. Y. Feeding apparatus. No. 907,227; Dec. 22; Sp. p. 4102; Gaz. vol. 137; p. 1755.
- Eaton, G. O., *et al.* (See McCarty, W. F. M., assignor.)
- Eaton, H. H., and G. Goddu, Winchester, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Machine for making lacing-hooks. No. 900,918; Oct. 13; Sp. p. 1805; Dr. pp. 363-7; Gaz. vol. 136; p. 1377.
- Eaton, J. A., Chicago, Ill. Rotary engine. No. 882,750; Mar. 24; Sp. p. 4492; Dr. p. 957; Gaz. vol. 133; p. 834.
- Eau Claire Mill Supply Co. (See Bostwick, A. J., assignor.)
- Ebbe, L., Blaine, Wash. Bilge-water ejector. No. 899,248; Sept. 22; Sp. p. 3994; Dr. p. 851; Gaz. vol. 136; p. 741.
- Ebel, K. F., Singen, Germany. Stirrup. No. 888,699; May 26; Sp. p. 4774; Dr. p. 1016; Gaz. vol. 134; p. 866.
- Ebeling, P., assignor to Fostoria Glass Company, Moundsville, W. Va. Manufacture of glass tops for salt-shakers, &c. No. 902,865; Nov. 3; Sp. p. 672; Gaz. vol. 137; p. 113.
- Ebenhoch, G., Belle Vernon, Pa. Curtain-fixture. No. 881,672; Mar. 10; Sp. p. 2348; Dr. p. 508; Gaz. vol. 133; p. 422.
- Ebenhoch, G., Belle Vernon, Pa. Wrench. No. 897,071; Aug. 25; Sp. p. 4642; Dr. p. 988; Gaz. vol. 135; p. 1715.
- Eberhard, C. R., Paterson, N. J. Joint structure for superimposed columns. No. 880,285; Feb. 25; Sp. p. 4952; Dr. p. 1046; Gaz. vol. 132; p. 1738.
- Eberhard Faber Pencil Company. (See Schmitz, E. L., assignor.)
- Eberhard, G. H. (See Kortick and Eberhard.)
- Eberhardt Brothers Machine Company. (See Eberhardt, E. G., assignor.)
- Eberhardt, E. G. (See Eberhardt, H. E. and E. G.)
- Eberhardt, E. G., assignor to Eberhardt Brothers Machine Company, Newark, N. J. Mechanical movement. No. 878,051; Feb. 4; Sp. p. 328; Dr. p. 68; Gaz. vol. 132; p. 901.
- Eberhardt, G. W. (See Maxwell, W. T., assignor.)
- Eberhardt, H. E. and E. G., Newark, N. J., assignors, by mesne assignments, to Machine Sales Company, New York, N. Y. Crank-planer. No. 891,919; June 30; Sp. p. 5573; Dr. p. 1201; Gaz. vol. 134; p. 2072.
- Eberhardt, T. C., Fort Valley, Ga. Gin-brush. No. 887,780; May 19; Sp. p. 2942; Dr. p. 619; Gaz. vol. 134; p. 534.
- Eberhart, F., New York, N. Y. Holder for disk graphophone or phonograph records. No. 900,714; Oct. 13; Sp. p. 1377; Dr. p. 281; Gaz. vol. 136; p. 1311.
- Eberhart, F., assignor to American Can Company, New York, N. Y. Machine for fusing or soldering heads upon square or rectangular cans. No. 905,300; Dec. 1; Sp. p. 330; Gaz. vol. 137; p. 1041.
- Eberle, J. A., assignor to Perfection Manufacturing Company, St. Louis, Mo. Umbrella. No. 899,718; Sept. 29; Sp. p. 4897; Dr. p. 1050; Gaz. vol. 136; p. 927.
- Ebersole, C. P., Keokuk, Iowa, assignor, by mesne assignments, to Electric Service Supplies Company, Philadelphia, Pa. Controller-regulator. No. 877,887; Jan. 28; Sp. p. 4460; Dr. p. 973; Gaz. vol. 132; p. 818.
- Ebersole, C. P., Keokuk, Iowa, assignor, by mesne assignments, to American Automotoneer Company, Philadelphia, Pa. Controller-regulator. No. 899,717; Sept. 29; Sp. p. 4894; Dr. p. 1050; Gaz. vol. 136; p. 926.
- Ebersole, C. P., Keokuk, Iowa, assignor, by mesne assignments, to American Automotoneer Company, Philadelphia, Pa. Controller-regulator. No. 906,620; Dec. 15; Sp. p. 2905; Gaz. vol. 137; p. 1526.
- Ebersole, R. E., Roanoke, Ind. Music-leaf turner. No. 891,681; June 23; Sp. p. 5090; Dr. p. 1098; Gaz. vol. 134; p. 1961.
- Ebert, H. C., Los Angeles, Cal. Skillet-support. No. 901,326; Oct. 20; Sp. p. 2601; Dr. p. 535; Gaz. vol. 136; p. 1543.
- Ebert, I. (See Padden, R. W., assignor.)
- Ebert, M., Berlin, Germany. Locking device for cocks with exchangeable lock. No. 907,479; Dec. 22; Sp. p. 4613; Gaz. vol. 137; p. 1842.
- Ebinger, D. A., assignor to Columbus Heating & Ventilating Company, Columbus, Ohio. Urinal. No. 889,916; June 9; Sp. p. 1434; Dr. p. 324; Gaz. vol. 134; p. 1316.
- Ebinger, D. A., assignor to Columbus Heating & Ventilating Company, Columbus, Ohio. Latrine-closet. No. 889,917; June 9; Sp. p. 1436; Dr. p. 324; Gaz. vol. 134; p. 1316.
- Ebinger, J., and B. A. Steinke, Botkins, Ohio. Railway-tie. No. 889,777; June 2; Sp. p. 1143; Dr. p. 265; Gaz. vol. 134; p. 1244.
- Ekken, W. J., *et al.* (See Ferguson, D., assignor.)
- Ekner, L., Philadelphia, Pa. Safety-razor. No. 879,611; Feb. 18; Sp. p. 3557; Dr. p. 744; Gaz. vol. 132; p. 1483.
- Ekner, P., Columbus, Ohio. Metallic ceiling or sheathing. No. 879,248; Feb. 18; Sp. p. 2774; Dr. p. 581; Gaz. vol. 132; p. 1365.
- Ekner, P., Columbus, Ohio. Fireproof door. No. 894,373; July 28; Sp. p. 4176; Dr. p. 862; Gaz. vol. 135; p. 734.
- Ekner, P., Columbus, Ohio. Metallic ceiling or sheathing. No. 903,553; Nov. 10; Sp. p. 2046; Gaz. vol. 137; p. 366.
- Eby, J. M., Williston, N. D. Carpet-stretcher. No. 901,231; Oct. 13; Sp. p. 2387; Dr. p. 488; Gaz. vol. 136; p. 1476.
- Ecaubert, F., New York, N. Y. Compensating controller for timepieces. No. 895,172; Aug. 4; Sp. p. 786; Dr. p. 164; Gaz. vol. 135; p. 1025.
- Ecaubert, F., New York, N. Y. Mixing or separating machine. No. 895,173; Aug. 4; Sp. p. 788; Dr. pp. 164-5; Gaz. vol. 135; p. 1026.
- Eccard, J. F. (See Geiger, Eccard, and Sotherland.)
- Eccles, A. L., assignor to J. Maddock, Trenton, N. J. Sad-iron. No. 894,943; Aug. 4; Sp. p. 335; Dr. pp. 67-8; Gaz. vol. 135; p. 949.
- Eccleston, S. S., assignor to one-half to G. B. Williams, Syracuse, N. Y. Cake-turner. No. 895,352; Aug. 4; Sp. p. 1154; Dr. p. 242; Gaz. vol. 135; p. 1087.
- Echard, C., and R. S. Paul, Montgomery City, Mo. Electrical automatic stop for gasoline-engines. No. 892,035; June 30; Sp. p. 5791; Dr. p. 1246; Gaz. vol. 134; p. 2108.
- Echo Horn Company. (See Stump, I. E., assignor.)
- Eckenhroth, P., Jr., Philadelphia, Pa. Wood-splitting machine. No. 885,458; Apr. 21; Sp. p. 3674; Dr. pp. 769-70; Gaz. vol. 133; p. 1835.
- Ecker, M., assignor to five-eighths to L. M. Stern, New York, N. Y., J. Alexander and H. Gans, Boston, Mass. Non-refillable bottle. No. 897,070; Aug. 25; Sp. p. 4641; Dr. p. 988; Gaz. vol. 135; p. 1715.
- Eckersley, J., Preston, assignor to Dobson and Barlow Limited, Bolton, England. Means for locking carding-engine-cylinder doors. No. 879,858; Feb. 25; Sp. p. 4075; Dr. p. 854; Gaz. vol. 132; p. 1597.
- Eckert, E. A. (See Powell, W. O., assignor.)
- Eckert, F., assignor to C. H. Joy, Chicago, Ill. Coin-detector. No. 886,962; May 5; Sp. p. 1243; Dr. p. 263; Gaz. vol. 134; p. 206.
- Eckert, L., Rancher, Mont. Wire stretcher and fastener. No. 906,122; Dec. 8; Sp. p. 1986; Gaz. vol. 137; p. 1339.
- Eckert, W. A., Buffalo, N. Y. Collapsible cup. No. 879,753; Feb. 18; Sp. p. 3828; Dr. p. 802; Gaz. vol. 132; p. 1530.
- Eckhardt, A., Jr., New York, N. Y. Shoe-protector. No. 900,499; Oct. 6; Sp. p. 928; Dr. p. 189; Gaz. vol. 136; p. 1213.
- Eckhardt, P. O., assignor to W. Eckhardt, New York, N. Y. Dressing-room furniture. No. 897,072; Aug. 25; Sp. p. 4643; Dr. pp. 988-9; Gaz. vol. 135; p. 1715.
- Eckhardt, W. (See Eckhardt, P. O., assignor.)
- Eckhardt, W. L., Brooklyn, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Cabinet for talking-machines. No. 903,364; Nov. 10; Sp. p. 1654; Gaz. vol. 137; p. 303.
- Eckland, C. (See Russell and Eckland.)
- Eckland, C. M., assignor to one-half to W. H. Russell, Oakland, Cal. Valve mechanism for closet-bowls. No. 908,224; Dec. 29; Sp. p. 6215; Gaz. vol. 137; p. 2118.
- Eckstein, H. G., Chicago, Ill. Method of and apparatus for popping corn. No. 904,186; Nov. 17; Sp. p. 3378; Gaz. vol. 137; p. 607.
- Eckstein, H. G., assignor to Rueckheim Bros. & Eckstein, Chicago, Ill. Moisture-proof package. No. 881,561; Mar. 10; Sp. p. 2120; Dr. p. 463; Gaz. vol. 133; p. 386.
- Economic Engineering & Construction Company. (See Hawkins, S. A., assignor.)
- Economy Cooler Company. (See Engel, F. G., assignor.)
- Economy Electric Company. (See Hertzberg and Wohl, assignors.)
- Eddie, A. (See Vaughan, H. L., assignor.)
- Eddy, A. G., and G. J. Hobson, Mount Vernon, Wash. Farm-gate. No. 901,161; Oct. 13; Sp. p. 2266; Dr. pp. 461-2; Gaz. vol. 136; p. 1455.
- Eddy, C. F. A., San Bernardino, Cal., assignor to one-half to B. H. Norton, New York, N. Y. Foldable box. No. 876,531; Jan. 14; Sp. p. 1721; Dr. p. 374; Gaz. vol. 132; p. 313.
- Eddy, G. B., Chicago, Ill. Combined check and cut-off valve for locomotives. No. 900,989; Oct. 13; Sp. p. 1950; Dr. p. 397; Gaz. vol. 136; p. 1400.
- Eddy, J. A. (See Stevens, F. P., assignor.)
- Eddy, W. O. (See Davidson, W. H., assignor.)
- Edeborg, A. W., Jamestown, N. Y. Sheet-metal wainscoting. No. 906,784; Dec. 15; Sp. p. 3224; Gaz. vol. 137; p. 1578.
- Edelman, A. A. (See Rader, G., assignor.)
- Eden, A. J., Minerva, Ohio. Milk-can. No. 897,073; Aug. 25; Sp. p. 4644; Dr. p. 989; Gaz. vol. 135; p. 1715.

Alphabetical list of patentees—Continued.

- Eden, H. W., assignor to P. R. Manufacturing Company, Detroit, Mich. Magnet-actuated signal-bell. No. 893,314; July 14; Sp. p. 1864; Dr. p. 389; Gaz. vol. 135; p. 336.
- Eden, H. W., assignor to P. R. Manufacturing Company, Detroit, Mich. Indicator for liquid-tanks. No. 895,987; Aug. 11; Sp. p. 2431; Dr. p. 520; Gaz. vol. 135; p. 1316.
- Edens, H. N., assignor to John Lauson Manufacturing Company, New Holstein, Wis. Internal-combustion engine. No. 903,182; Nov. 10; Sp. p. 1297; Gaz. vol. 137; p. 242.
- Edens, J., assignor to H. F. Brammer Manufacturing Company, Davenport, Iowa. Casing for mechanical movements. No. 884,647; Apr. 14; Sp. p. 2020; Dr. p. 431; Gaz. vol. 133; p. 1539.
- Edens, J., assignor to H. F. Brammer Manufacturing Company, Davenport, Iowa. Operating-gear mechanism for washing-machines. No. 893,907; July 21; Sp. p. 3191; Dr. pp. 656-7; Gaz. vol. 135; p. 561.
- Edens, J., assignor to H. F. Brammer Manufacturing Co., Davenport, Iowa. Actuating mechanism for washing-machines. No. 897,074; Aug. 25; Sp. p. 4645; Dr. p. 989; Gaz. vol. 135; p. 1716.
- Edes, C. B. (See Edes, J. A., assignor.)
- Edes, J. A., assignor of one-half to C. B. Edes, Newport, R. I. Match-box. No. 904,766; Nov. 24; Sp. p. 4603; Gaz. vol. 137; p. 828.
- Edes, L. P. (See Edes, W. F. and L. P.)
- Edes, W. F., Lynn, and L. P. Edes, Cambridge, Mass. Automatic ball-cock. No. 877,063; Jan. 21; Sp. p. 2841; Dr. p. 613; Gaz. vol. 132; p. 529.
- Edewaard, C., Paterson, N. J. Optometer. No. 900,715; Oct. 13; Sp. p. 1379; Dr. p. 281; Gaz. vol. 136; p. 1312.
- Edey, A. S., *et al.* (See Edey, C. E. C., assignor.)
- Edey, C. E. C., Tacoma, Wash. Stump-puller. No. 894,731; July 28; Sp. p. 4879; Dr. p. 1015; Gaz. vol. 135; p. 851.
- Edey, C. E. C., Tacoma, Wash., assignor of one-half to A. S. and D. F. Edey. Lock. No. 895,174; Aug. 4; Sp. p. 791; Dr. p. 165; Gaz. vol. 135; p. 1026.
- Edey, D. F., *et al.* (See Edey, C. E. C., assignor.)
- Edgar, C. E., Parsons, Kans. assignor to Edgar Manufacturing Company, Kansas City, Mo. Refrigerator. No. 880,867; Mar. 3; Sp. p. 786; Dr. pp. 166-7; Gaz. vol. 133; p. 131.
- Edgar, E. F., Woodbridge, N. J. Rotary steam-engine. No. 902,059; Oct. 27; Sp. p. 4167; Dr. pp. 843-5; Gaz. vol. 136; p. 1815.
- Edgar Manufacturing Company. (See Edgar, C. E., assignor.)
- Edgar, W. T., *et al.* (See Horstmann, S. A., assignor.)
- Edgcomb, C. H. (See Cregier, F. Q., assignor.)
- Edgcombe, R. L. (See Hopkinson and Edgcombe.)
- Edgcombe, H. R., Braddock township, Allegheny county, Pa. Automatic musical instrument or player. No. 899,295; Sept. 22; Sp. p. 4067; Dr. p. 869; Gaz. vol. 136; p. 755.
- Edgecombe, J. C., Cranford, N. J. Rod-packing. No. 882,103; Mar. 17; Sp. p. 3247; Dr. p. 690; Gaz. vol. 133; p. 591.
- Edgerton, C., Philadelphia, Pa. Digester. No. 899,961; Sept. 29; Sp. p. 5423; Dr. p. 1156; Gaz. vol. 136; p. 1007.
- Edgerton, C. H., Paton, Iowa. Gearing. No. 890,225; June 9; Sp. p. 2072; Dr. p. 454; Gaz. vol. 134; p. 1420.
- Edgerton, G. L., Goldsboro, N. C. Bag-fastener. No. 885,739; Apr. 28; Sp. p. 4265; Dr. p. 892; Gaz. vol. 133; p. 1953.
- Edgerton, G. L., Goldsboro, N. C. Garment-creaser. No. 899,036; Sept. 22; Sp. p. 3549; Dr. p. 760; Gaz. vol. 136; p. 670.
- Edgington, G. F., Jeffersonville, Ind. Box-seal. No. 877,494; Jan. 23; Sp. p. 3710; Dr. p. 803; Gaz. vol. 132; p. 692.
- Edgington, L., Stout, Ohio. Ironing-board. No. 879,040; Feb. 11; Sp. p. 2351; Dr. p. 492; Gaz. vol. 132; p. 1256.
- Edington, T. B. (See Steele, R. G., assignor.)
- Edison Manufacturing Company. (See Brodie, W. M., assignor.)
- Edison Storage Battery Company. (See Aylsworth, J. W., assignor.)
- Edison Storage Battery Company. (See Edison, T. A., assignor.)
- Edison, T. A., Llewellyn Park, Orange, N. J. Apparatus for grinding coal. No. 890,625; June 16; Sp. p. 2899; Dr. pp. 636-7; Gaz. vol. 134; p. 1582.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Electrolyte for alkaline storage batteries. No. 876,445; Jan. 14; Sp. p. 1532; Gaz. vol. 132; p. 282.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Alkaline storage battery. No. 879,612; Feb. 18; Sp. p. 3558; Gaz. vol. 132; p. 1484.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Apparatus for producing very thin sheet metal. No. 879,859; Feb. 25; Sp. p. 4076; Dr. p. 854; Gaz. vol. 132; p. 1597.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Producing very thin sheet metal. No. 880,484; Feb. 25; Sp. p. 5362; Dr. p. 1130; Gaz. vol. 132; p. 1806.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Electrode element for storage batteries. No. 880,978; Mar. 3; Sp. p. 982; Dr. p. 212; Gaz. vol. 133; p. 167.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Making storage-battery electrodes. No. 880,979; Mar. 3; Sp. p. 987; Dr. p. 212; Gaz. vol. 133; p. 167.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Storage-battery electrode. No. 882,144; Mar. 17; Sp. p. 3311; Dr. p. 706; Gaz. vol. 133; p. 603.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Metallic film for use with storage-battery electrodes and preparing the same. No. 896,811; Aug. 25; Sp. p. 4067; Gaz. vol. 135; p. 1627.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Storage battery. No. 896,812; Aug. 25; Sp. p. 4069; Dr. p. 875; Gaz. vol. 135; p. 1627.
- Edison, T. A., Llewellyn Park, assignor to Edison Storage Battery Company, West Orange, N. J. Making articles by electroplating. No. 898,404; Sept. 8; Sp. p. 2335; Dr. p. 496; Gaz. vol. 136; p. 406.
- Edison, T. A., Llewellyn Park, Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Filling apparatus for storage-battery jars, &c. No. 898,633; Sept. 15; Sp. p. 2811; Dr. p. 601; Gaz. vol. 136; p. 513.
- Edlund, C. A., assignor of one-half to E. Bernstrom, Providence, R. I. Grinding and polishing roll. No. 875,701; Jan. 7; Sp. p. 43; Dr. p. 9; Gaz. vol. 132; p. 10.
- Edlund, C. A., deceased, (H. Edlund, administratrix), assignor of one-half to E. Bernstrom, Providence, R. I. Surfacing-machine. No. 876,155; Jan. 7; Sp. p. 915; Dr. p. 198; Gaz. vol. 132; p. 155.
- Edlund, C. A., deceased; H. Edlund and J. Doran, administrators; said Doran assignor of one-half to E. Bernstrom, Providence, R. I. Flexible neck-bearing for centrifugal separators. No. 902,282; Oct. 27; Sp. p. 4621; Dr. p. 939; Gaz. vol. 136; p. 1887.
- Edlund, H., administratrix. (See Edlund, C. A.)
- Edlund, H., *et al.*, administrators. (See Edlund, C. A.)
- Edlund, J. A., assignor to A. T. Brown, Syracuse, N. Y. Type-writing machine. No. 883,393; Mar. 31; Sp. p. 5806; Dr. p. 1239; Gaz. vol. 133; p. 1074.
- Edman, J., Minneapolis, Minn. Grain-door for cars. No. 884,011; Apr. 7; Sp. p. 695; Dr. p. 140; Gaz. vol. 133; p. 1303.
- Edman, J., assignor to O. Hundebly, Minneapolis, Minn. Sole-protecting plate for shoes. No. 903,276; Nov. 10; Sp. p. 1487; Gaz. vol. 137; p. 274.
- Edman, J., assignor of one-half to C. Dahl, A. M. Hovland, and E. G. Dahl, Minneapolis, Minn. Grain-door for cars. No. 901,959; Oct. 27; Sp. p. 3950; Dr. pp. 806-7; Gaz. vol. 136; p. 1784.
- Edmisten, W. W., Pendleton, Ore. Rubber-tire-setting device. No. 905,671; Dec. 1; Sp. p. 1104; Gaz. vol. 137; p. 1162.
- Edmondson, D. C., Evansville, Ind. Freight-car door and hanger. No. 895,988; Aug. 11; Sp. p. 2432; Dr. p. 520; Gaz. vol. 135; p. 1316.
- Edmund, C. G., *et al.* (See Taylor, A., Jr., assignor.)
- Edmunds, E., and J. H. Pendleton, assignors to J. F. Hinckley, Pittsburg, Pa. Manufacture of rolls. No. 905,857; Dec. 8; Sp. p. 1477; Gaz. vol. 137; p. 1255.
- Edmunds, F. W., West Nyack, N. Y. Switch-lamp holder. No. 901,283; Oct. 13; Sp. p. 2508; Dr. p. 514; Gaz. vol. 136; p. 1494.
- Edmunds, F. W., West Nyack, N. Y. Signal-lamp bracket. No. 901,284; Oct. 13; Sp. p. 2510; Dr. p. 515; Gaz. vol. 136; p. 1494.
- Edmunds & Jones Mfg. Co. (See Jones, W. T., assignor.)
- Edmunds, L. E., Philadelphia, Pa. Piling. No. 905,672; Dec. 1; Sp. p. 1105; Gaz. vol. 137; p. 1162.
- Edsell, C. W., Otsego, Mich. Photograph-record case. No. 877,064; Jan. 21; Sp. p. 2842; Dr. p. 614; Gaz. vol. 132; p. 530.
- Edstrom, A. W., Red Oak, Iowa. Neck-yoke ring. No. 876,046; Jan. 7; Sp. p. 695; Dr. p. 149; Gaz. vol. 132; p. 120.
- Edbauer, P., Chicago, Ill. Automatic weighing apparatus. No. 900,990; Oct. 13; Sp. p. 1952; Dr. p. 398; Gaz. vol. 136; p. 1401.
- Edbauer, P., Chicago, Ill. Automatic weighing apparatus. No. 903,962; Nov. 12; Sp. p. 2900; Gaz. vol. 137; p. 529.
- Edward Katzinger Company. (See Wollgien, E., assignor.)
- Edward P. Martin Company. (See Nelson, J., assignor.)
- Edwards, A. L., assignor to Wheeling Stamping Company, Wheeling, W. Va. Lamp-burner. No. 905,061; Nov. 24; Sp. p. 5191; Gaz. vol. 137; p. 927.
- Edwards, B. A. (See Mellen and Edwards.)
- Edwards, C., Drayton, N. D. Power-cultivator. No. 877,988; Feb. 4; Sp. p. 180; Dr. pp. 40-1; Gaz. vol. 132; p. 879.
- Edwards, C. L., Vernon, N. Y. Explosion-engine. No. 878,364; Feb. 4; Sp. p. 954; Dr. p. 191; Gaz. vol. 132; p. 1003.
- Edwards, C. L., Dallas, Tex. Transplanting-basket. No. 879,613; Feb. 18; Sp. p. 3559; Dr. p. 744; Gaz. vol. 132; p. 1484.
- Edwards, E. E., Ithaca, Mich. Runner attachment for plows. No. 882,751; Mar. 24; Sp. p. 4497; Dr. p. 958; Gaz. vol. 133; p. 835.
- Edwards, E. N., Alva, Okla. Block-molding machine. No. 899,517; Sept. 29; Sp. p. 4480; Dr. p. 902; Gaz. vol. 136; p. 862.

Alphabetical list of patentees—Continued.

- Edwards, E. V., Camden, N. J. Safety-razor. No. 908,225; Dec. 29; Sp. p. 6218; Gaz. vol. 137; p. 2119.
- Edwards, Ellis & Cornell Company. (See Edwards, Ellis, and Cornell, assignors.)
- Edwards, F. W., Logansport, Ind., assignor to Chicago Lubricator Company, Chicago, Ill. Sight-feed lubricator. No. 887,036; May 5; Sp. p. 1385; Dr. pp. 294-5; Gaz. vol. 134; p. 230.
- Edwards, G., Coatesville, Pa. Sink-back. No. 908,080; Dec. 29; Sp. p. 5876; Gaz. vol. 137; p. 2068.
- Edwards, I. L., Aurora, Ill. Wire bracket or holder and insulator. No. 904,945; Nov. 24; Sp. p. 4979; Gaz. vol. 137; p. 888.
- Edwards, J. C., Brookline, assignor to Draper Company, Hopedale, Mass. Filling-end holder for wet-replenishing looms. No. 897,357; Sept. 1; Sp. p. 222; Dr. p. 47; Gaz. vol. 136; p. 34.
- Edwards, L. R., Jacksonville, Fla. Holder for thermometers. No. 897,075; Aug. 25; Sp. p. 4647; Dr. p. 990; Gaz. vol. 135; p. 1716.
- Edwards, M. N., Glenwood Springs, Colo. Box or crate. No. 876,900; Jan. 14; Sp. p. 2464; Dr. p. 538; Gaz. vol. 132; p. 434.
- Edwards, N. C., Buffalo, N. Y. Skirt-supporter. No. 901,327; Oct. 20; Sp. p. 2602; Dr. p. 535; Gaz. vol. 136; p. 1543.
- Edwards, O. C., Jr., Rensselaer, N. Y. Pneumatic caisson. No. 877,308; Jan. 21; Sp. p. 3347; Dr. p. 725; Gaz. vol. 132; p. 611.
- Edwards, O. C., Jr., Troy, N. Y. Caisson. No. 888,479; May 26; Sp. p. 4309; Dr. pp. 911-12; Gaz. vol. 134; p. 791.
- Edwards, O. C., Jr., Troy, N. Y. Pneumatic caisson. No. 895,543; Aug. 11; Sp. p. 1541; Dr. p. 326; Gaz. vol. 135; p. 1173.
- Edwards, O. E., Jr., New York, N. Y., assignor to J. G. Brill Company, Philadelphia, Pa. Car. No. 881,468; Mar. 10; Sp. p. 1952; Dr. p. 424; Gaz. vol. 133; p. 355.
- Edwards, O. M., Syracuse, N. Y. Window. No. 890,626; June 16; Sp. p. 2901; Dr. pp. 637-8; Gaz. vol. 134; p. 1583.
- Edwards, O. M., Syracuse, N. Y. Window. No. 902,060; Oct. 27; Sp. p. 4171; Dr. p. 845; Gaz. vol. 136; p. 1815.
- Edwards, T. C., assignor to Besson and Company, Limited, London, England. Cornet or the like. No. 886,783; May 5; Sp. p. 916; Dr. pp. 190-1; Gaz. vol. 134; p. 151.
- Edwards, V. E., assignor to Morgan Construction Company, Worcester, Mass. Feeding mechanism for gas-producers. No. 886,484; May 5; Sp. p. 281; Dr. p. 59; Gaz. vol. 134; p. 52.
- Edwards, V. E., assignor to Morgan Construction Company, Worcester, Mass. Guide for rolling-mills. No. 895,442; Aug. 11; Sp. p. 1333; Dr. p. 280; Gaz. vol. 135; p. 1139.
- Edwards, V. E., assignor to Morgan Construction Company, Worcester, Mass. Twist-delivery guide for rolling-mills. No. 899,518; Sept. 29; Sp. p. 4482; Dr. p. 962; Gaz. vol. 136; p. 863.
- Edwards, W. A., C. E. Ellis, and D. F. Cornell, assignors to Edwards, Ellis & Cornell Company, Rochester, Minn. Engine. No. 881,310; Mar. 10; Sp. p. 1639; Dr. pp. 350-1; Gaz. vol. 133; p. 305.
- Edwards, W. E., Irvington, N. J. Cigar-cutter. No. 876,156; Jan. 7; Sp. p. 918; Dr. p. 198; Gaz. vol. 132; p. 156.
- Edwards, W. T., Duquoin, Kans. Grain-drill. No. 894,316; July 28; Sp. p. 4064; Dr. p. 840; Gaz. vol. 135; p. 716.
- Edwin B. Stimpson Company. (See Stimpson, E. B., assignor.)
- Edwin J. Toof Company. (See Ammerman, W. M., assignor.)
- Edwin M. Clark Slime Filter Company. (See Clark, E. M., assignor.)
- Edwards, H. U., Paris, Tex. Scraper. No. 899,719; Sept. 29; Sp. p. 4898; Dr. p. 1051; Gaz. vol. 136; p. 927.
- Edson, J. M., assignor of one-half to W. A. McNair, Detroit, Mich. Seal-lock. No. 897,276; Sept. 1; Sp. p. 26; Dr. p. 7; Gaz. vol. 136; p. 7.
- Eells, A. F., Boston, Mass. Subaqueous foundation. No. 895,398; Aug. 4; Sp. p. 1233; Dr. p. 260; Gaz. vol. 135; p. 1101.
- Efiaw, J. W., Seattle, Wash. Bed-bottom. No. 887,929; May 19; Sp. p. 3238; Dr. p. 681; Gaz. vol. 134; p. 583.
- Effenberger, A., Orange, N. J. Button. No. 880,725; Mar. 3; Sp. p. 470; Dr. p. 99; Gaz. vol. 133; p. 82.
- Effront, J., Brussels, Belgium. Preparing malt by means of chlorid of lime or other hypochlorite salts. No. 884,725; Apr. 14; Sp. p. 2173; Gaz. vol. 133; p. 1566.
- Egan, C. E., Petersburg, Ill., assignor to Egan Electric Massage Vibrator Company. Massage apparatus. No. 879,041; Feb. 11; Sp. p. 2352; Dr. p. 492; Gaz. vol. 132; p. 1256.
- Egan Electric Massage Vibrator Company. (See Egan, C. E., assignor.)
- Egan, G. F., Providence, R. I. Measuring device for liquids. No. 892,584; July 7; Sp. p. 365; Dr. p. 80; Gaz. vol. 135; p. 68.
- Egan, J. W., Cleveland, Ohio. Hopper-bottom catch. No. 900,672; Oct. 6; Sp. p. 1289; Dr. p. 263; Gaz. vol. 136; p. 1271.
- Egan, P. M., Council Bluffs, Iowa. Ventilator. No. 881,911; Mar. 17; Sp. p. 2851; Dr. pp. 608-9; Gaz. vol. 133; p. 528.
- Egan, W. J., Chicago, assignor to E. P. Hatch, La Grange, Ill. Wood-carving machine. No. 899,519; Sept. 29; Sp. p. 4484; Dr. pp. 963-4; Gaz. vol. 136; p. 863.
- Egbert, F. L., Manistee, Mich. Curtain-fixture. No. 902,386; Oct. 27; Sp. p. 4843; Dr. p. 979; Gaz. vol. 136; p. 1921.
- Egberts, A. J. C., Chicago, Ill. Necktie. No. 898,198; Sept. 8; Sp. p. 1964; Dr. p. 419; Gaz. vol. 136; p. 340.
- Egness, A. A., Room, Minn. Loading and unloading device. No. 902,217; Oct. 27; Sp. p. 4490; Dr. p. 907; Gaz. vol. 136; p. 1865.
- Egan, O. P., Seattle, Wash. Screw-propeller. No. 908,226; Dec. 29; Sp. p. 6219; Gaz. vol. 137; p. 2119.
- EGGE, E. S., Montgomery, Ala. Battery-holder. No. 881,181; Mar. 10; Sp. p. 1372; Dr. p. 296; Gaz. vol. 133; p. 263.
- Egger, L. G., Buffalo, Iowa. Broom-moistener. No. 882,934; Mar. 24; Sp. p. 4873; Dr. p. 1034; Gaz. vol. 133; p. 896.
- Eggers, A., *et al.* (See Baum, J. B., assignor.)
- Eggers, A. C., New York, N. Y. Floor-covering. No. 903,183; Nov. 10; Sp. p. 1298; Gaz. vol. 137; p. 243.
- Eggers, F., assignor of one-half to G. Knell, Elkhorn, Colo. Farm-gate. No. 905,413; Dec. 1; Sp. p. 567; Gaz. vol. 137; p. 1080.
- Eggers, H., assignor to Samson Manufacturing Company, Denver, Colo. Crusher for ore and other materials. No. 893,713; July 21; Sp. p. 2699; Dr. p. 567; Gaz. vol. 135; p. 495.
- Eggers, J. H. (See Keen, E., assignor.)
- Eggl, G., Toledo, Ohio. Detachable auxiliary holder for shelves and tables. No. 901,598; Oct. 20; Sp. p. 3208; Dr. p. 657; Gaz. vol. 136; p. 1636.
- Eggleston, E., Columbus, Ohio. Wind-driven pump. No. 890,893; June 16; Sp. p. 3449; Dr. pp. 755-6; Gaz. vol. 134; p. 1669.
- Eggleston, H. W., Binghamton, N. Y. Fire-extinguisher. No. 893,133; July 14; Sp. p. 1561; Dr. p. 330; Gaz. vol. 135; p. 284.
- Eggleston, J. E., assignor to Standard Oil Company, Bayonne, N. J. Apparatus for utilizing sulfur-containing petroleum. No. 908,400; Dec. 29; Sp. p. 6569; Gaz. vol. 137; p. 2179.
- Eggleston, L. W., Appleton, Wis. Venting-valve for radiators. No. 884,372; Apr. 14; Sp. p. 1439; Dr. p. 306; Gaz. vol. 133; p. 1450.
- Eggleston, L. W., Appleton, Wis. Water-cock. No. 886,360; May 5; Sp. p. 38; Dr. p. 8; Gaz. vol. 134; p. 10.
- Eggleston, L. W., Chicago, Ill. Valve. No. 902,552; Nov. 3; Sp. p. 845; Gaz. vol. 137; p. 140.
- Egley, G. C., Philadelphia, Pa. Knitting-machine needle. No. 885,590; Apr. 21; Sp. p. 3942; Dr. p. 823; Gaz. vol. 133; p. 1874.
- Egnér, C. E., Stockholm, Sweden. Means for insulating the supports of electric conduits. No. 875,902; Jan. 7; Sp. p. 428; Dr. p. 94; Gaz. vol. 132; p. 78.
- Egner, H., Cincinnati, Ohio. Detachable vehicle-seat back. No. 907,325; Dec. 22; Sp. p. 4289; Gaz. vol. 137; p. 1790.
- Egry Autographic Register Company. (See Schirmer and Stern, assignors.)
- Ehlers, C., Sulingen, Germany. Clothes-peg. No. 904,249; Nov. 17; Sp. p. 3516; Gaz. vol. 137; p. 629.
- Ehlers, G. C., Milwaukee, Wis. Smoke-pipe holder. No. 901,328; Oct. 20; Sp. p. 2604; Dr. p. 535; Gaz. vol. 136; p. 1544.
- Ehlers, R. J. (See Gundelach, E., assignor.)
- Ehlert, M., Hanover, Germany. Brake for carriages. No. 898,566; Sept. 15; Sp. p. 2677; Dr. p. 572; Gaz. vol. 136; p. 491.
- Ehmann, J. J., Irvington, N. J. Work-holder. No. 889,778; June 2; Sp. p. 1145; Dr. p. 266; Gaz. vol. 134; p. 1244.
- Ehret, C. D., Ardmore, assignor to W. L. D'Olier, Philadelphia, Pa. Centrifugal machine. No. 901,329; Oct. 20; Sp. p. 2605; Dr. p. 536; Gaz. vol. 136; p. 1544.
- Ehret, C. D., Ardmore, Pa., assignor to International Telegraph Construction Company. Detector. No. 902,569; Nov. 3; Sp. p. 71; Gaz. vol. 137; p. 12.
- Ehrhardt, J. Jr. (See Drill, C., assignor.)
- Ehrhardt & Sehmer, Gesellschaft mit beschränkter Haftpflicht. (See Giebfried, W., assignor.)
- Ehrhardt & Sehmer Gesellschaft mit beschränkter Haftpflicht. (See Houben, C., assignor.)
- Ehrhardt & Sehmer Gesellschaft mit Beschränkter Haftpflicht. (See Wefing, A., assignor.)
- Ehrhart, C. S., Franklin, Pa. Adjusting-jack. No. 903,849; Nov. 17; Sp. p. 2650; Gaz. vol. 137; p. 491.
- Ehrhart, W. H., and G. W. Leonard, Lancaster, Pa. Bit-extender. No. 890,894; June 16; Sp. p. 3450; Dr. p. 756; Gaz. vol. 134; p. 1670.
- Ehrle, O. F. (See Nehring, U., assignor.)
- Ehrlich, F., assignor to A. Sultan and I. Stern, Berlin, Germany. Manufacture of fusel-oil and its components. No. 885,591; Apr. 21; Sp. p. 3943; Gaz. vol. 133; p. 1874.
- Ehrlich, H. B. (See Ehrlich, H. J. and H. B.)
- Ehrlich, H. J. and H. B., Brazil, Ind. Valve. No. 886,045; Apr. 28; Sp. p. 4913; Dr. p. 1033; Gaz. vol. 133; p. 2054.
- Ehrlich, M., Vienna, Austria-Hungary. Paper serving or distributing device. No. 888,072; May 19; Sp. p. 3507; Dr. p. 734; Gaz. vol. 134; p. 629.
- Ehrlich, P., and A. Bertheim, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Arsenoxyglycin. No. 888,321; May 19; Sp. p. 3966; Gaz. vol. 134; p. 709.
- Ehrlich, P., and A. Bertheim, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Acyl derivative of para-aminophenylarsinic acid. No. 907,016; Dec. 15; Sp. p. 3653; Gaz. vol. 137; p. 1651.
- Ehrlich, P., and A. Bertheim, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Hydroxyarylsensoxid. No. 907,978; Dec. 29; Sp. p. 5671; Gaz. vol. 137; p. 2035.

Alphabetical list of patentees—Continued.

- Ehrsam, W. J., cotrustees, *et al.* (See Morscher, L. N., assignor.)
 Eiben, A., and A. Gyurcsio, Cleveland, Ohio. Sewing-machine attachment. No. 877,837; Jan. 28; Sp. p. 4373; Dr. pp. 950-1; Gaz. vol. 132; p. 802.
 Eiber, F. M., Millvale, Pa. Shut-off box. No. 882,145; Mar. 17; Sp. p. 3316; Dr. p. 706; Gaz. vol. 133; p. 604.
 Eich, H. C. (See Dick, W. C., assignor.)
 Eichberg, F., Berlin, Germany, assignor to General Electric Company. Motor control. No. 890,627; June 16; Sp. p. 2913; Dr. p. 638; Gaz. vol. 134; p. 1583.
 Eichberg, M. H. (See Hirsch and Eichberg.)
 Eichelberger, J. C., Stockton, Cal. Comb-reel for headers. No. 882,376; Mar. 17; Sp. p. 3765; Dr. p. 802; Gaz. vol. 133; p. 579.
 Eichengrün, A., Düsseldorf, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Composition for generating formaldehyde. No. 880,204; Feb. 25; Sp. p. 4779; Gaz. vol. 132; p. 1711.
 Eichengrün, A., Düsseldorf, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Composition for generating formaldehyde. No. 885,233; Apr. 21; Sp. p. 3232; Gaz. vol. 133; p. 1762.
 Eicher, A. L., Alliance, Ohio. Making lock-nuts. No. 886,318; Apr. 28; Sp. p. 5436; Dr. p. 1140; Gaz. vol. 133; p. 2146.
 Eichler, E., assignor to American Electric Alarm Company, Pittsburg, Pa. Lock. No. 882,303; Mar. 17; Sp. p. 3631; Dr. p. 770; Gaz. vol. 133; p. 654.
 Eichmüller, J., Nuremberg, Germany. Interchangeable compass-point. No. 889,447; June 2; Sp. p. 513; Dr. p. 121; Gaz. vol. 134; p. 1140.
 Eichmüller, R., assignor of one-half to J. F. McGrath and W. E. Derigon, Waterbury, Conn. Non-refillable bottle. No. 890,416; June 9; Sp. p. 2464; Dr. p. 545; Gaz. vol. 134; p. 1418.
 Eicholz, J. A., assignor of one-third to E. Walton, Homestead, Pa. Rail-joint. No. 898,854; Sept. 15; Sp. p. 3214; Dr. p. 688; Gaz. vol. 136; p. 584.
 Eick, W. (See Avery, Howell, and Eick.)
 Eidam, C. A., Wilsdruff, near Dresden, Germany. Machine for smoothing boards. No. 892,231; June 30; Sp. p. 6173; Dr. p. 1330; Gaz. vol. 134; p. 2173.
 Eifel, J., Chicago, Ill. Automatic cut-off for sound-reproducing machines. No. 904,187; Nov. 17; Sp. p. 3382; Gaz. vol. 137; p. 608.
 Eifert, R. A. (See Harris, T. F., assignor.)
 Eifert, R. A. (See Harris and Eifert.)
 Eigemann, H. (See Notbohn and Eigemann.)
 Eigen, B. vom, Newark, N. J., assignor to Aug. Goertz & Co. Coin-receptacle. No. 886,687; May 5; Sp. p. 694; Dr. p. 144; Gaz. vol. 134; p. 118.
 Eigen, B. vom, Newark, N. J., assignor to Aug. Goertz & Co. Match-box and other receptacle. No. 886,688; May 5; Sp. p. 707; Dr. p. 145; Gaz. vol. 134; p. 119.
 Eigen, B. vom, Newark, N. J., assignor to Aug. Goertz & Co. Coin-repository. No. 886,784; May 5; Sp. p. 918; Dr. pp. 192-3; Gaz. vol. 134; p. 152.
 Eigen, B. vom, Newark, N. J., assignor to August Goertz & Co. Coin-repository. No. 887,037; May 5; Sp. p. 1388; Dr. p. 295; Gaz. vol. 134; p. 230.
 Eigen, B. vom, Newark, N. J., assignor to Aug. Goertz & Co. Purse or bag frame. No. 894,374; July 28; Sp. p. 4177; Dr. p. 863; Gaz. vol. 135; p. 733.
 Eigen, B. vom, Newark, N. J., assignor to Aug. Goertz & Co. Coin-repository. No. 896,364; Aug. 18; Sp. p. 3152; Dr. p. 678; Gaz. vol. 135; p. 1458.
 Eigner, E., New York, N. Y. Machine for printing measuring-tape. No. 895,079; Aug. 4; Sp. p. 605; Dr. p. 126; Gaz. vol. 135; p. 994.
 Eikenburg, G., Anacortes, Wash. Stand for tying shoos. No. 879,374; Feb. 18; Sp. p. 3032; Dr. p. 632; Gaz. vol. 132; p. 1406.
 Eiker, F. G. (See Eiker, K. F. and F. G.)
 Eiker, K. F. and F. G., Washington, D. C. Hose-supporter. No. 880,130; Feb. 25; Sp. p. 4617; Dr. p. 974; Gaz. vol. 132; p. 1685.
 Eilers, A. J., *et al.* (See Ferriotti, C. L., assignor.)
 Einhorn, A., Munich, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Diaminobenzoic acid alkanin ester. No. 907,017; Dec. 15; Sp. p. 3653; Gaz. vol. 137; p. 1651.
 Einstein, A. C., assignor to Eagle Generator Company, St. Louis, Mo. Acetylene-gas-generating apparatus. No. 890,560; June 9; Sp. p. 2734; Dr. p. 604; Gaz. vol. 134; p. 1528.
 Eisel, A., Iserlohn, Germany. Device for fastening the handles in brushes, scrubbers, and the like. No. 878,282; Feb. 4; Sp. p. 797; Dr. p. 159; Gaz. vol. 132; p. 977.
 Eiseemann, E., New York, N. Y. Washing-machine. No. 890,505; June 9; Sp. p. 2628; Dr. pp. 581-2; Gaz. vol. 134; p. 1509.
 Eisen, W. M., New York, N. Y. Shoulder-brace. No. 883,101; Mar. 24; Sp. p. 5174; Dr. p. 1105; Gaz. vol. 133; p. 948.
 Eisenbeis, C. W. (See Brownfield, E., assignor.)
 Eisenbeis, L. P., Ottumwa Iowa. Wick-raiser for miners' lamps. No. 903,064; Nov. 3; Sp. p. 1067; Gaz. vol. 137; p. 175.
 Eisenhauer, J. H., Canton, Ohio. Safety attachment for gas-burners. No. 898,634; Sept. 15; Sp. p. 2813; Dr. p. 601; Gaz. vol. 136; p. 514.
 Eisenlohr, H., Karlsruhe, Germany. Producing a new ceramic mass and manufacturing pottery. No. 901,599; Oct. 20; Sp. p. 3210; Gaz. vol. 136; p. 1636.
 Eisenmann, W., Ford City, Mich. Hose and pipe coupling. No. 898,199; Sept. 8; Sp. p. 1965; Dr. p. 419; Gaz. vol. 136; p. 341.
 Eisenreich, A., Bailey, Nebr. Check-valve. No. 887,238; May 12; Sp. p. 1793; Dr. p. 377; Gaz. vol. 134; p. 322.
 Eisenreich, A., Bailey, Nebr. Spike. No. 895,080; Aug. 4; Sp. p. 607; Dr. p. 126; Gaz. vol. 135; p. 995.
 Eiseenschmid, C., New York, N. Y. Ventilator. No. 893,467; July 14; Sp. p. 2187; Dr. p. 459; Gaz. vol. 135; p. 386.
 Eisentraut, R., and F. Vieler, assignors to Actien-Gesellschaft der Dillinger Hüttenwerke, Dillingen-on-the-Saar, Germany. Steam-trap. No. 895,989; Aug. 11; Sp. p. 2434; Dr. p. 521; Gaz. vol. 135; p. 1317.
 Eisentraut, R., and F. Vieler, assignors to Actien-Gesellschaft der Dillinger Hüttenwerke, Dillingen-on-the-Saar, Germany. Steam-trap. No. 895,990; Aug. 11; Sp. p. 2435; Dr. p. 521; Gaz. vol. 135; p. 1317.
 Eitle, C., Stuttgart, Germany. Extracting apparatus for horizontal retorts. No. 882,304; Mar. 17; Sp. p. 3634; Dr. pp. 770-1; Gaz. vol. 133; p. 655.
 Eitle, C., Stuttgart, Germany. Gas-retort-feeding machine. No. 903,184; Nov. 10; Sp. p. 1299; Gaz. vol. 137; p. 243.
 Eitle, C., Stuttgart, Germany. Centrifugal machine for feeding gas-retorts. No. 906,785; Dec. 15; Sp. p. 3226; Gaz. vol. 137; p. 1579.
 Ek, E., assignor of one-half to S. A. Adde, Portland, Me. Meter. No. 888,599; May 26; Sp. p. 4564; Dr. pp. 968-9; Gaz. vol. 134; p. 834.
 Ekedahl, E. A., and E. G. Sampson, assignors to Art Metal Construction Company, Jamestown, N. Y. Drawer for cabinets, &c. No. 884,476; Apr. 14; Sp. p. 1630; Dr. p. 351; Gaz. vol. 133; p. 1483.
 Ekehorn, S. A., Södertelge, assignor to Svenska Centrifug Aktiebolaget, Stockholm, Sweden. Rotary churn. No. 891,470; June 23; Sp. p. 4627; Dr. p. 1005; Gaz. vol. 134; p. 1891.
 Eklund, I. (See Daniels, Backlin, and Eklund.)
 Eklund, J., assignor to St. Joseph Iron Works, St. Joseph, Mo. Link-belt attachment. No. 902,524; Oct. 27; Sp. p. 5164; Dr. p. 1045; Gaz. vol. 136; p. 1969.
 Ekroot, T. (See Forsell and Ekroot.)
 Ekstrom, E., Cromwell, Minn. Tool-tray. No. 896,813; Aug. 25; Sp. p. 4070; Dr. p. 875; Gaz. vol. 135; p. 1628.
 Ekstrom, G. H., Portland, Ore. Hat-pin. No. 897,727; Sept. 1; Sp. p. 986; Dr. p. 210; Gaz. vol. 136; p. 158.
 Elam, W. E., Washington, D. C. Tobacco-pipe. No. 903,277; Nov. 10; Sp. p. 1488; Gaz. vol. 137; p. 275.
 Elbaum, S., Bayonne, N. J. Pocket for shirts. No. 903,065; Nov. 3; Sp. p. 1069; Gaz. vol. 137; p. 175.
 Elbel, G., Erfurt, Germany. Blast or exhaust apparatus. No. 886,590; May 5; Sp. p. 497; Dr. p. 106; Gaz. vol. 134; p. 88.
 Elden, L. L., Dorchester, assignor to S. B. Condit, Jr., Boston, Mass. Insulator for circuit-breakers. No. 907,108; Dec. 15; Sp. p. 3827; Gaz. vol. 137; p. 1679.
 Elder, A., assignor to Lord & Burnham Company, Irvington, N. Y. Plant-table. No. 894,615; July 28; Sp. p. 4667; Dr. p. 969; Gaz. vol. 135; p. 814.
 Elder, A. A., Woodston, Kans. Moldboard for plows. No. 906,786; Dec. 15; Sp. p. 3228; Gaz. vol. 137; p. 1579.
 Elder, E. A. (See Kennedy and Elder.)
 Elder, E. C., Hampton, New Brunswick, Canada. Holder for roll-paper-binding strips. No. 906,518; Dec. 15; Sp. p. 2726; Gaz. vol. 137; p. 1495.
 Elder, E. E., and J. G. Pool, Lynn, Mass., assignors to National Bung Manufacturing Company, Portland, Me. Plug-cutting machine. No. 889,513; June 2; Sp. p. 647; Dr. pp. 150-1; Gaz. vol. 134; p. 1161.
 Elder, F., Vincennes, Ind. Air and gas compressor. No. 899,720; Sept. 29; Sp. p. 4900; Dr. pp. 1051-2; Gaz. vol. 136; p. 927.
 Elder, H. L. (See Smither and Elder.)
 Elder, J., and C. M. Scoggins, Louisiana, Mo. Wireless attachment for check-row corn-planters. No. 883,394; Mar. 31; Sp. p. 5811; Dr. pp. 1239-40; Gaz. vol. 133; p. 1075.
 Eldred, B. E., Bronxville, N. Y. Cement-burning apparatus. No. 879,448; Feb. 18; Sp. p. 3193; Dr. p. 665; Gaz. vol. 132; p. 1430.
 Eldred, B. E., Bronxville, N. Y. Producing gas. No. 901,232; Oct. 13; Sp. p. 2388; Dr. p. 489; Gaz. vol. 136; p. 1476.
 Eldred, B. E., Bronxville, assignor to Combustion Utilities Company, New York, N. Y. Oxidizing ores. No. 885,328; Apr. 21; Sp. p. 3428; Dr. p. 715; Gaz. vol. 133; p. 1794.

Alphabetical list of patentees—Continued.

- Eldredge, F. E., Waverly, Iowa. Gate. No. 883,182; Mar. 31; Sp. p. 5356; Dr. p. 1141; Gaz. vol. 133; p. 1005.
 Eldridge, J. (See Hall and Eldridge.)
 Eldridge, R. C., Niagara Falls, Canada, assignor to Stanley Works, New Britain, Conn. Back-band buckle. No. 905,062; Nov. 24; Sp. p. 5192; Gaz. vol. 137; p. 927.
 Electrelle Company. (See Smith, I. B., assignor.)
 Electric Boat Company. (See Bailey and Cable, assignors.)
 Electric Boat Company. (See Cable, F. T., assignor.)
 Electric Boat Company. (See Spear, L. Y., assignor.)
 Electric Carriage Call Company. (See Norden, M., assignor.)
 Electric Cash Carrier and Change Maker Company. (See Gill, E. R., assignor.)
 Electric Compositor Company. (See Bellows, B. F., assignor.)
 Electric Compositor Company. (See Reynolds, H. A., assignor.)
 Electric Construction and Machinery Company. (See Leveen, S. J., assignor.)
 Electric Controller & Supply Company. (See Ahlm, C. E. F., assignor.)
 Electric Controller & Supply Company. (See Delany, J. H., assignor.)
 Electric Controller and Supply Company. (See Eastwood and Fishback, assignors.)
 Electric Controller & Supply Company. (See Fishback, F. R., assignor.)
 Electric Controller and Supply Company. (See Gilpin, C. D., assignor.)
 Electric Controller and Supply Company. (See Hall, J. H., assignor.)
 Electric Controller and Supply Company. (See Hastings, B., assignor.)
 Electric Controller and Supply Company. (See Wright, R. I., assignor.)
 Electric Controller & Supply Company. (See Wright and Frost, assignors.)
 Electric Floor Surfacers Company. (See Wattles, C. B., assignor.)
 Electric Goods Manufacturing Company. (See Thomson, H. C., assignor.)
 Electric Manufacturing Co. (See Blanchard, G. N., assignor.)
 Electric Motor & Equipment Company. (See Wolfe, E. B., assignor.)
 Electric Protection Company. (See Jones, W. E., assignor.)
 Electric Railway Improvement Company. (See Cleveland, W. B., assignor.)
 Electric Railway Improvement Company. (See Herrick, A. B., assignor.)
 Electric Safety Light Company. (See Hubbell, H. C., assignor.)
 Electric Service Supplies Company. (See Ebersole, C. P., assignor.)
 Electric Service Supplies Company. (See Hershey and Smith, assignors.)
 Electric Service Supplies Company. (See Knight, F. P. H., assignor.)
 Electric Service Supplies Company. (See Weyand, P. A., assignor.) (Reissue.)
 Electric Signagraph and Semaphore Company. (See Webb, J. F., assignor.)
 Electric Smelters. (See Reid, J. H., assignor.)
 Electric Storage Battery Company. (See Rodman, H., assignor.)
 Electro-Bleaching Gas Company. (See Paramore, E. C., assignor.)
 Electro Chemical & Development Co. (See Hartenstein, H. L., assignor.)
 Electro Dental Manufacturing Company. (See Schramm, A. W., assignor.)
 Electro Metallurgical Company. (See Becket, F. M., assignor.)
 Electro Metallurgical Company. (See Huffard, J. B., assignor.)
 Electro Metallurgical Company. (See Kügelgen and Seward, assignors.)
 Electro Metallurgical Company. (See Price, E. F., assignor.)
 Electro Metallurgical Company. (See Seward and Kügelgen, assignors.)
 Electrolyte Gas Lamp Company. (See Beck, C. W., assignor.) (Reissue.)
 Electrolytic Filtering and Purifying Co. (See Lester, J. F., assignor.)
 Elevator Supply and Repair Company. (See Graham, J. M., assignor.)
 Elevator Supply & Repair Company. (See Osmer, J. E., assignor.)
 Elfers, J. H. (See Kricke, H. A., assignor.)
 Elford, W. L., *et al.* (See McGiffin and McCauley, assignors.)
 Elfreth, C. P. (See Elfreth, J. R. and C. P.)
 Elfreth, H. D. (See Elfreth, J. R. and H. D.)
 Elfreth, J. R. and C. P., Philadelphia, Pa. Filter-valve. No. 897,606; Sept. 1; Sp. p. 749; Dr. p. 158; Gaz. vol. 136; p. 119.
 Elfreth, J. R. and H. D., Philadelphia, Pa. Sand or strainer valve for filters. No. 877,182; Jan. 21; Sp. p. 3096; Dr. p. 670; Gaz. vol. 132; p. 569.
 Eigen, M. P., assignor of one-half to K. Amundsen and one-fourth to J. P. Nelson, St. Paul, Minn. Faucet. No. 884,648; Apr. 14; Sp. p. 2021; Dr. p. 432; Gaz. vol. 133; p. 1539.
 Elgin Milk and Cream Company. (See Grelek, W. P. M., assignor.)
 Eli Lilly & Company. (See Lilly, J. K., assignor.)
 Elias, O. A., London, England. Means for emptying bottles or other vessels. No. 879,951; Feb. 25; Sp. p. 4277; Dr. p. 894; Gaz. vol. 132; p. 1628.
 Eliel, O. H., La Salle, Ill. Regenerative retort-furnace. No. 885,740; Apr. 28; Sp. p. 4267; Dr. p. 893; Gaz. vol. 133; p. 1954.
 Eliot, C. W., assignor of one-half to W. H. Caldwell, Tampa, Fla. Trolley-car. No. 892,371; June 30; Sp. p. 6434; Dr. p. 1388; Gaz. vol. 134; p. 2218.
 Elkin, C., New York, N. Y. Power-driven vehicle. No. 906,123; Dec. 8; Sp. p. 1987; Gaz. vol. 137; p. 1339.
 Elkins, A. F., and H. Hunter, assignors of one-half to F. L. McCauley and T. J. Kennedy, Ironton, Ohio. Safety appliance for moving-picture apparatus. (Reissue.) No. 12,853; Sept. 15; Sp. p. 3512; Dr. p. 751; Gaz. vol. 136; p. 637.
 Elkins, G. W. (See D'Olier, H., Jr., assignor.)
 Elkins, G. W., Elkins Park, assignor of one-half to H. D'Olier, Jr., Philadelphia, Pa. Electric heater. No. 877,183; Jan. 21; Sp. p. 3097; Dr. pp. 670-1; Gaz. vol. 132; p. 569.
 Elledge, R. J., assignor to Anti Oak Leather Company, Los Angeles, Cal. Making leather tires. No. 880,371; Feb. 25; Sp. p. 5094; Dr. p. 1077; Gaz. vol. 132; p. 1766.
 Ellenwood, S. N., Jones, Okla. Car-replacer. No. 900,838; Oct. 13; Sp. p. 1641; Dr. p. 332; Gaz. vol. 136; p. 1352.
 Ellerbeck, H. P., Carlton, Minn. Rail-chair. No. 895,246; Aug. 4; Sp. p. 958; Dr. p. 201; Gaz. vol. 135; p. 1032.
 Eilers, H. A., *et al.* (See Medearis, W. R., assignor.)
 Ellery, S., assignor of two-thirds to J. J. Dumphy and P. Franey, Albany, N. Y. Dispensing-can. No. 892,716; July 7; Sp. p. 637; Dr. p. 135; Gaz. vol. 135; p. 111.
 Ellet, C. (See Martin, J. V., assignor.)
 Elling, J. W. A., Christiania, Norway. Means for cooling the supply-passage of gas-turbines. No. 878,130; Feb. 4; Sp. p. 470; Dr. p. 100; Gaz. vol. 132; p. 925.
 Elling, J. W. A., Christiania, Norway. Centrifugal fan and pump. No. 908,227; Dec. 29; Sp. p. 6220; Gaz. vol. 137; p. 2119.
 Ellingen, W., Cologne-Lindenthal, Germany. Carriage for ropeways. No. 890,852; June 16; Sp. p. 3374; Dr. p. 740; Gaz. vol. 134; p. 1657.
 Ellinger, J. O., New York, N. Y. Unit-bar for concrete construction. No. 890,032; June 9; Sp. p. 1670; Dr. p. 372; Gaz. vol. 134; p. 1355.
 Ellinger, J. O., New York, N. Y. Reinforcement for concrete construction. No. 890,033; June 9; Sp. p. 1674; Dr. p. 372; Gaz. vol. 134; p. 1356.
 Ellinger, J. O., New York, N. Y. Unit-frame for concrete construction. No. 890,034; June 9; Sp. p. 1677; Dr. p. 373; Gaz. vol. 134; p. 1356.
 Ellinger, J. O., New York, N. Y. Reinforcement for concrete construction. No. 890,035; June 9; Sp. p. 1679; Dr. pp. 373-4; Gaz. vol. 134; p. 1356.
 Ellinger, J. O., New York, N. Y. Reinforcement for concrete construction. No. 890,036; June 9; Sp. p. 1682; Dr. p. 374; Gaz. vol. 134; p. 1357.
 Ellingson, M., Brooten, Minn. Lock-equipped whip-socket. No. 902,218; Oct. 27; Sp. p. 4481; Dr. p. 907; Gaz. vol. 136; p. 1865.
 Ellinwood, A. G., Batavia, N. Y. Vegetable-harvesting machine. No. 894,262; July 28; Sp. p. 3954; Dr. p. 815; Gaz. vol. 135; p. 698.
 Elliot, F. C., Tallahassee, Fla. Plant-protector. No. 905,674; Dec. 1; Sp. p. 1103; Gaz. vol. 137; p. 1163.
 Elliot, W. R., New York, N. Y. Mounting for precious stones. No. 899,296; Sept. 22; Sp. p. 4070; Dr. p. 869; Gaz. vol. 136; p. 756.
 Elliott, A. D., deceased; M. E. Elliott, executrix, Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting nails. No. 876,626; Jan. 14; Sp. p. 1941; Dr. p. 423; Gaz. vol. 132; p. 346.
 Elliott, A. D., deceased; M. E. Elliott, executrix, Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. No. 880,868; Mar. 3; Sp. p. 788; Dr. p. 167; Gaz. vol. 133; p. 132.
 Elliott, C. J., Beaver River, N. Y. Means for attaching line-wires to insulators. No. 887,930; May 19; Sp. p. 3239; Dr. p. 681; Gaz. vol. 134; p. 584.

Alphabetical list of patentees—Continued.

- Elliott, C. L., McKeesport, Pa. Hub for vehicle-wheels. No. 905,673; Dec. 1; Sp. p. 1107; Gaz. vol. 137; p. 1163.
- Elliott, D., and L. B. Stanton, assignors to said Elliott, J. Bruckner, Saugerties, and C. D. B. Nearing, New York, N. Y. Protective device for cooking utensils. No. 883,183; Mar. 31; Sp. p. 5358; Dr. p. 1141; Gaz. vol. 133; p. 1006.
- Elliott-Fisher Company. (See Dench, W. L., assignor.)
- Elliott-Fisher Company. (See Julihn, L. G., assignor.)
- Elliott, G. F., U. S. Marine Corps. Intrenching-tool. No. 881,782; Mar. 10; Sp. p. 2553; Dr. p. 548; Gaz. vol. 133; p. 456.
- Elliott, H. G. (See Rhodes, C. W., assignor.)
- Elliott, J. A., Butte, Mont. Pump. No. 878,052; Feb. 4; Sp. p. 330; Dr. p. 69; Gaz. vol. 132; p. 901.
- Elliott, M. (See Elliott, T. V., assignor.)
- Elliott, M. E., executrix. (See Elliott, A. D.)
- Elliott, M. H., Dial, Ala. Lubricating device for axles. No. 888,322; May 19; Sp. p. 3967; Dr. p. 836; Gaz. vol. 134; p. 709.
- Elliott, R. C., Clapham, London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Type casting and composing machine. No. 897,358; Sept. 1; Sp. p. 225; Dr. pp. 47-50; Gaz. vol. 136; p. 35.
- Elliott, R. W., Antioch, Cal. Liquid-dispensing apparatus. No. 897,359; Sept. 1; Sp. p. 242; Dr. p. 50; Gaz. vol. 136; p. 35.
- Elliott, S., Newton, Mass. Turn-table. No. 885,842; Apr. 28; Sp. p. 4476; Dr. p. 940; Gaz. vol. 133; p. 1987.
- Elliott, S., Newton, assignor to National Binding Machine Company, Boston, Mass. Strip-serving device. (Reissue.) No. 12,836; July 28; Sp. p. 5038; Dr. p. 1049; Gaz. vol. 135; p. 877.
- Elliott, T. V., New York, assignor to M. Elliott, Flatbush, N. Y. Stoker. No. 903,131; Nov. 3; Sp. p. 1190; Gaz. vol. 137; p. 195.
- Elliott, T. V., New York, assignor to M. Elliott, Flatbush, N. Y. Cleaning device for feed-water heaters. No. 903,132; Nov. 3; Sp. p. 1193; Gaz. vol. 137; p. 195.
- Elliott, W. (See Pool and Elliott.)
- Elliott, W. (See Smethers and Elliott.)
- Elliott, W. E., and J. G. Wilson, Sharon, Pa. System for ventilation of mines. No. 888,073; May 19; Sp. p. 3508; Dr. p. 734; Gaz. vol. 134; p. 629.
- Elliott, W. F., De Kalb, Ill. Corn-sheller. No. 880,286; Feb. 25; Sp. p. 4954; Dr. p. 1046; Gaz. vol. 132; p. 1739.
- Elliott, W. H., New York, N. Y. Automatic calling-on signal. No. 897,607; Sept. 1; Sp. p. 750; Dr. p. 159; Gaz. vol. 136; p. 119.
- Elliott, W. K., Payson, Ill. Gas-lighting device. No. 882,055; Mar. 17; Sp. p. 3100; Dr. pp. 671-2; Gaz. vol. 133; p. 574.
- Elliott, W. P. and W. P., Jr., La Grange, Ill. Swinging bell. No. 882,780; Mar. 24; Sp. p. 4539; Dr. p. 969; Gaz. vol. 133; p. 843.
- Elliott, W. R., New Orleans, La. Photographic view-finder. No. 894,125; July 21; Sp. p. 3638; Dr. p. 750; Gaz. vol. 135; p. 633.
- Elliott, W. S., Pittsburg, Pa. Turbine. No. 905,858; Dec. 8; Sp. p. 1478; Gaz. vol. 137; p. 1255.
- Ellis, B. H., assignor of one-half to W. J. Meridian, Detroit, Mich. Rake. No. 886,689; May 5; Sp. p. 712; Dr. p. 146; Gaz. vol. 134; p. 120.
- Ellis, C., New York, N. Y. Apparatus for hydrating lime. No. 878,619; Feb. 11; Sp. p. 1575; Dr. p. 320; Gaz. vol. 132; p. 1123.
- Ellis, C., Larchmont, N. Y. Composition of matter. No. 879,375; Feb. 18; Sp. p. 3033; Gaz. vol. 132; p. 1406.
- Ellis, C., Larchmont, N. Y. Masticable tobacco substitute. No. 904,521; Nov. 24; Sp. p. 4091; Gaz. vol. 137; p. 746.
- Ellis, C., Larchmont, N. Y., assignor to Ellis-Foster Company. Finish-reviver. No. 907,758; Dec. 29; Sp. p. 5218; Gaz. vol. 137; p. 1963.
- Ellis, C., White Plains, N. Y. Rotary kiln. No. 887,318; May 12; Sp. p. 2014; Dr. p. 421; Gaz. vol. 134; p. 352.
- Ellis, C., Boston, Mass., assignor to Ellis-Foster Company. Still for treating recovered grease. No. 896,093; Aug. 18; Sp. p. 2621; Dr. p. 568; Gaz. vol. 135; p. 1372.
- Ellis, C., White Plains, N. Y., assignor to Ellis-Chalmers Company. Varnish composition. No. 900,687; Oct. 6; Sp. p. 1326; Gaz. vol. 136; p. 1276.
- Ellis, C., White Plains, N. Y., assignor to Fertilizer Products Company, Jersey City, N. J. Insecticide and preparation thereof. No. 901,793; Oct. 20; Sp. p. 3637; Gaz. vol. 136; p. 1700.
- Ellis, C., White Plains, assignor to Chadeloid Chemical Company, New York, N. Y. Paint or varnish remover. No. 901,895; Oct. 20; Sp. p. 3812; Gaz. vol. 136; p. 1732.
- Ellis, C., Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 876,304; Jan. 7; Sp. p. 1223; Gaz. vol. 132; p. 205.
- Ellis, C., Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 876,532; Jan. 14; Sp. p. 1722; Gaz. vol. 132; p. 313.
- Ellis, C., Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Paint and varnish remover. No. 904,250; Nov. 17; Sp. p. 3517; Gaz. vol. 137; p. 629.
- Ellis, C., Larchmont, N. Y., assignor to Ellis-Foster Company. Waste-sulfite-liquor disinfectant. No. 877,414; Jan. 21; Sp. p. 3547; Gaz. vol. 132; p. 645.
- Ellis, C., Larchmont, N. Y., assignor to Ellis-Foster Company. Scale-destroying composition. No. 896,094; Aug. 18; Sp. p. 2622; Gaz. vol. 135; p. 1373.
- Ellis, C., Larchmont, N. Y., assignor to Ellis-Foster Company. Soap and making soap. No. 904,520; Nov. 24; Sp. p. 4088; Gaz. vol. 137; p. 746.
- Ellis, C., Larchmont, N. Y., assignor, by mesne assignment, to Fulton Chemical Company. Insectifuge. No. 901,083; Oct. 13; Sp. p. 2128; Gaz. vol. 136; p. 1430.
- Ellis, C. E. (See Edwards, Ellis, and Cornell.)
- Ellis, C. S. (See Powell and Ellis.)
- Ellis, C. S., assignor to American Coin Register Company, Chicago, Ill. Coin-box for telephones. No. 895,443; Aug. 11; Sp. p. 1336; Dr. pp. 281-2; Gaz. vol. 135; p. 1139.
- Ellis, C. W. (See Kingston, J. L., assignor.)
- Ellis-Chalmers Company. (See Ellis, C., assignor.)
- Ellis, E., Iowa Falls, Iowa. Shoe-fastener. No. 889,301; June 2; Sp. p. 211; Dr. p. 53; Gaz. vol. 134; p. 1092.
- Ellis, F., Pourche, Ark. Wrench. No. 879,155; Feb. 18; Sp. p. 2599; Dr. p. 542; Gaz. vol. 132; p. 1334.
- Ellis, F. A., London, England. Tire. No. 903,066; Nov. 3; Sp. p. 1070; Gaz. vol. 137; p. 175.
- Ellis, F. E., and R. A. Hasselbach, Revere, Mass. Clip for web-press plate-cylinders. No. 893,990; July 21; Sp. p. 3369; Dr. p. 689; Gaz. vol. 135; p. 588.
- Ellis, F. F., Oneida, assignor to Oneida Community, Limited, Kenwood, N. Y. Device for setting animal-traps. No. 898,731; Sept. 15; Sp. p. 2992; Dr. p. 642; Gaz. vol. 136; p. 544.
- Ellis, F. I., assignor to United Engineering & Foundry Company, Pittsburg, Pa. Universal rolling-mill. No. 901,233; Oct. 13; Sp. p. 2391; Dr. pp. 489-90; Gaz. vol. 136; p. 1477.
- Ellis-Foster Company. (See Ellis, C., assignor.)
- Ellis, G. W., Germantown, Pa. Watchman's time-register. No. 904,415; Nov. 17; Sp. p. 3846; Gaz. vol. 137; p. 684.
- Ellis, H., Brownville, Me. Lamp-filler. No. 876,784; Jan. 14; Sp. p. 2231; Dr. p. 490; Gaz. vol. 132; p. 395.
- Ellis, H. N. and W. C., Lone Wolf, Okla. Division-block for hay-balers. No. 895,081; Aug. 4; Sp. p. 608; Dr. p. 127; Gaz. vol. 135; p. 995.
- Ellis, J., Lynn, Mass. Gasolene-filter. No. 898,567; Sept. 15; Sp. p. 2678; Dr. p. 572; Gaz. vol. 136; p. 491.
- Ellis, J. J., Portland, Ore. Invalid hammock-lift and turner. No. 885,329; Apr. 21; Sp. p. 3432; Dr. p. 716; Gaz. vol. 133; p. 1795.
- Ellis, J. W., Portland, Me. Tag for phonographic-record cases. No. 876,785; Jan. 14; Sp. p. 2232; Dr. p. 490; Gaz. vol. 132; p. 396.
- Ellis, J. W., assignor of one-half to A. P. Thompson, Denver, Colo. Illuminated sign. No. 881,390; Mar. 10; Sp. p. 1800; Dr. p. 389; Gaz. vol. 133; p. 330.
- Ellis, L. J., Plainfield, N. J. Cooking or culinary utensil. No. 881,562; Mar. 10; Sp. p. 2122; Dr. p. 463; Gaz. vol. 133; p. 386.
- Ellis, L. S., Lexington, Ky. Crupper. No. 899,661; Sept. 29; Sp. p. 4783; Dr. p. 1024; Gaz. vol. 136; p. 909.
- Ellis, M. S., U. S. Navy. Traveling-bag. No. 887,239; May 12; Sp. p. 1794; Dr. p. 377; Gaz. vol. 134; p. 323.
- Ellis, O. A., San Francisco, Cal. Traction apparatus for stationary cables. No. 880,869; Mar. 3; Sp. p. 791; Dr. pp. 167-8; Gaz. vol. 133; p. 132.
- Ellis, O. T. (See Coulter and Tugby, assignors.)
- Ellis, R. R., Memphis, Tenn. Pinchusion. No. 890,628; June 16; Sp. p. 2916; Dr. p. 638; Gaz. vol. 134; p. 1583.
- Ellis, S., Atlantic City, N. J. Automatic draft-regulator. No. 907,480; Dec. 22; Sp. p. 4613; Gaz. vol. 137; p. 1842.
- Ellis, T., Tacoma, Wash. Car-stake. No. 880,446; Feb. 25; Sp. p. 5271; Dr. p. 1108; Gaz. vol. 132; p. 1792.
- Ellis, T. H., Baltimore, Md. Hydrocarbon-still. No. 885,148; Apr. 21; Sp. p. 3047; Dr. p. 641; Gaz. vol. 133; p. 1754.
- Ellis, W. C. (See Ellis, H. N. and W. C.)
- Ellis, W. J., Andrews, N. C. Combined boiler and furnace. No. 882,456; Mar. 17; Sp. p. 3898; Dr. p. 833; Gaz. vol. 133; p. 705.
- Ellis, W. L., and F. W. McQueen, Smiths Creek, assignors to P. R. Dunigan, Detroit, Mich. Rotary engine. No. 892,232; June 30; Sp. p. 6174; Dr. p. 1330; Gaz. vol. 134; p. 2173.
- Ellis, W. O. C., Greenfield, Ohio. Nut-lock for axle-spindles. No. 883,102; Mar. 24; Sp. p. 5175; Dr. p. 1105; Gaz. vol. 133; p. 949.
- Ellis, W. P., assignor to F. Weber & Co., Philadelphia, Pa. Stretching-pincers. No. 902,570; Nov. 3; Sp. p. 72; Gaz. vol. 137; p. 13.
- Ellison, A. L., High Point, N. C. Wardrobe or safe. No. 881,673; Mar. 10; Sp. p. 2349; Dr. p. 509; Gaz. vol. 133; p. 422.
- Ellison, E. M., London, England. Mud-eraser. No. 905,161; Dec. 1; Sp. p. 75; Gaz. vol. 137; p. 995.
- Ellison, J. W., Comstock, Tex. Shovel. No. 883,702; Apr. 7; Sp. p. 56; Dr. p. 8; Gaz. vol. 133; p. 1201.

Alphabetical list of patentees—Continued.

- Ellich, R. C., assignor to Peck, Stow & Wilcox Company, Southington, Conn. Ratchet mechanism. No. 880,870; Mar. 3; Sp. p. 794; Dr. p. 168; Gaz. vol. 133; p. 133.
- Ellsworth & Company. (See Corzilius, J., assignor.)
- Ellsworth, E. R. (See McGowan and Ellsworth.)
- Ellsworth, J. M. (See Fay and Ellsworth.)
- Elmberg, A., assignor of one-half to O. S. Holcomb, Sycamore, Ill. Vegetable and fruit picker. No. 888,229; May 19; Sp. p. 3800; Dr. p. 798; Gaz. vol. 134; p. 680.
- Elmblad, H., Chicago, Ill. Seal-lock. No. 904,607; Nov. 24; Sp. p. 4251; Gaz. vol. 137; p. 774.
- Elmendorf, J. B. (See Stringham and Elmendorf.)
- Elmira Electrochemical Company. (See Carrier, C. F., Jr., assignor.)
- Elmore, S. (See Trescott, C. B., assignor.)
- Elms, J., Comanche, Tex. Buggy-top support. No. 886,785; May 5; Sp. p. 926; Dr. p. 193; Gaz. vol. 134; p. 152.
- Eloc Company. (See Cole, W. H., assignor.)
- Eloesser, C., Charlottenburg, Germany. Means for strengthening metal belts and for connecting the ends thereof. No. 894,126; July 21; Sp. p. 3639; Dr. pp. 750-1; Gaz. vol. 135; p. 633.
- Elphinstone, G. K. B. (See Holden and Elphinstone.)
- Elphinstone, J. A., Pittsburg, Pa. Retaining device for laces. No. 888,978; May 26; Sp. p. 5362; Dr. p. 1138; Gaz. vol. 134; p. 957.
- Elsässische Maschinenbau-Gesellschaft. (See Wenning and Gégauß, assignors.)
- Elsea, C., *et al.* (See Hatfield and Bass, assignors.)
- Elsey, G., and B. J. Wayt, Chicago, Ill. Animal-trap. No. 883,867; Apr. 7; Sp. p. 400; Dr. p. 78; Gaz. vol. 133; p. 1254.
- Elshoff, B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Rotor construction. No. 900,839; Oct. 13; Sp. p. 1642; Dr. pp. 332-3; Gaz. vol. 136; p. 1353.
- Elshoff, H. F., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Motor-controller. No. 902,061; Oct. 27; Sp. p. 4175; Dr. p. 845; Gaz. vol. 136; p. 1816.
- Elsing, A. W., Lüneburg, Hanover, Germany. Guiding means for load-supporting ropes in cranes. No. 897,966; Sept. 8; Sp. p. 1514; Dr. p. 321; Gaz. vol. 136; p. 267.
- Elsner, J., Berlin, and C. Guttwein, Aschersleben, Germany. Apparatus for drying green malt. No. 899,037; Sept. 22; Sp. p. 3550; Dr. p. 760; Gaz. vol. 136; p. 671.
- Elsner, J., Berlin, Germany, assignor of one-half to G. Sonnenenthal, London, England. Lifting and transporting apparatus. No. 900,061; Sept. 29; Sp. p. 5657; Dr. p. 1208; Gaz. vol. 136; p. 1040.
- Elson, C. W., Grand Rapids, Mich. Folding box. No. 902,807; Nov. 3; Sp. p. 526; Gaz. vol. 137; p. 92.
- Eltom, A. R. (See Collins and Eltom.)
- Elyptic Manufacturing Company. (See Conger and Pearce, assignors.)
- Elwell, H. D. (See Angus, A. A., assignor.)
- Ely, A. G., New York, N. Y. Wrench. No. 875,702; Jan. 7; Sp. p. 46; Dr. p. 10; Gaz. vol. 132; p. 11.
- Ely, C. A., Mount Vernon, Ill. Combination rule and try-square. No. 893,061; July 14; Sp. p. 1372; Dr. p. 289; Gaz. vol. 135; p. 254.
- Ely, C. U. (See Hill, A. M., assignor.)
- Ely, F. C., assignor to Florence Manufacturing Company, Northampton, Mass. Carton or display device. No. 897,608; Sept. 1; Sp. p. 759; Dr. p. 160; Gaz. vol. 136; p. 120.
- Ely, G., *et al.* (See Baines, F. W., assignor.)
- Ely, G., Montpelier, Ind. Rail-joint. No. 893,315; July 14; Sp. p. 1865; Dr. p. 370; Gaz. vol. 135; p. 336.
- Ely, J. W. (See Goode, J. R., assignor.)
- Ely, M. J., assignor of one-half to L. Hache, Oxnard, Cal. Automatic closing mechanism for dumping-wagons. No. 891,413; June 23; Sp. p. 4525; Dr. p. 984; Gaz. vol. 134; p. 1872.
- Ely, T. F. (See Hughes and Ely.)
- Ely, W. H., Middletown, Conn. Veriscope. No. 896,814; Aug. 25; Sp. p. 4070; Dr. p. 876; Gaz. vol. 135; p. 1628.
- Ely, W. S., assignor to Van Kannel Revolving Door Company, New York, N. Y. Metal-covered door. No. 877,415; Jan. 21; Sp. p. 3548; Dr. p. 767; Gaz. vol. 132; p. 645.
- Elyria Gas Engine Company. (See Taylor, A. E., assignor.)
- Elzas, M., Los Angeles, Cal. Coin-controlled apparatus. No. 888,600; May 26; Sp. p. 4569; Dr. p. 969; Gaz. vol. 134; p. 834.
- Elzas, M., Los Angeles, Cal. Pantaloon-protector. No. 898,200; Sept. 8; Sp. p. 1967; Dr. p. 419; Gaz. vol. 136; p. 341.
- Elyz, J. C., and E. E. Anderson, St. Paul, Minn. Cable or rope guide. No. 901,794; Oct. 20; Sp. p. 3641; Dr. p. 736; Gaz. vol. 136; p. 1701.
- Emal, F. J., Pickrell, Nebr. Cement-mixing machine. No. 877,918; Feb. 4; Sp. p. 48; Dr. p. 10; Gaz. vol. 132; p. 857.
- Emanuel, B. D., Anderson, Ind. Scale. No. 902,953; Nov. 3; Sp. p. 848; Gaz. vol. 137; p. 141.
- Emanuel, B. D., Indianapolis, assignor to Anderson Tool Company, Anderson, Ind. Scale. No. 904,251; Nov. 17; Sp. p. 3519; Gaz. vol. 137; p. 629.
- Emeis, H. T., Salt Lake City, Utah. Refunding attachment for cash-registers. No. 900,991; Oct. 13; Sp. p. 1956; Dr. pp. 398-9; Gaz. vol. 136; p. 1401.
- Emenaker, J., assignor of two-thirds to G. Mitchell and M. F. Fritterer, Hamilton, Ohio. Window. No. 883,130; Mar. 24; Sp. p. 5244; Dr. pp. 119-20; Gaz. vol. 133; p. 958.
- Emens, C. R., and W. A. Brower, assignors to Gem Toothpick Company, Adrian, Mich. Machine for making toothpicks. No. 907,979; Dec. 29; Sp. p. 5672; Gaz. vol. 137; p. 2035.
- Emerick, G. S., Nazareth, Pa. Air-separator. No. 877,557; Jan. 28; Sp. p. 3854; Dr. p. 834; Gaz. vol. 132; p. 713.
- Emerson, A. S., London, England. Snow-melting machine. No. 888,979; May 26; Sp. p. 5363; Dr. p. 1138; Gaz. vol. 134; p. 957.
- Emerson, A. S., London, England. Ironing-machine. No. 891,611; June 23; Sp. p. 4914; Dr. p. 1060; Gaz. vol. 134; p. 1935.
- Emerson, A. S., London, England. Dust-separator. No. 905,999; Dec. 8; Sp. p. 1751; Gaz. vol. 137; p. 1300.
- Emerson, A. S., London, England. Squilgee. No. 906,000; Dec. 8; Sp. p. 1753; Gaz. vol. 137; p. 1300.
- Emerson, C. H., Whitehall, N. Y. Question-answering device. No. 880,640; Mar. 3; Sp. p. 303; Dr. p. 67; Gaz. vol. 133; p. 53.
- Emerson, C. O., *et al.* (See Blackadar, Z. S., assignor.)
- Emerson, H., Milton, Mass. Duplex tube. No. 885,741; Apr. 28; Sp. p. 4270; Dr. p. 893; Gaz. vol. 133; p. 1954.
- Emerson, J. W., Durham, N. C. Logging-truck. No. 878,512; Feb. 11; Sp. p. 1321; Dr. p. 267; Gaz. vol. 132; p. 1086.
- Emerson Manufacturing Company. (See Waterman, L. E., assignor.)
- Emerson Manufacturing Company. (See Weeks, S. V., assignor.)
- Emerson Piano Company. (See Crippen, W. R., assignor.)
- Emerson, R. B., Jackson, Mich. Deodorizer-receptacle. No. 877,309; Jan. 21; Sp. p. 3351; Dr. p. 726; Gaz. vol. 132; p. 611.
- Emerson, V. H., New York, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Yielding matrix for sound-records. No. 878,513; Feb. 11; Sp. p. 1323; Dr. p. 268; Gaz. vol. 132; p. 1086.
- Emery, A. H., Stamford, Conn. Raising the elastic limit of metals and relieving them of injurious strains. No. 894,428; July 28; Sp. p. 4301; Gaz. vol. 135; p. 754.
- Emery, A. H., Stamford, Conn. Hydraulic-pressure-measuring apparatus. No. 895,991; Aug. 11; Sp. p. 2436; Dr. pp. 522-3; Gaz. vol. 135; p. 1317.
- Emery, B. F., Thayer, Iowa. Locking-hook. No. 881,229; Mar. 10; Sp. p. 1475; Dr. p. 317; Gaz. vol. 133; p. 278.
- Emery, B. F., Thayer, Iowa. Swingletree-hook. No. 906,001; Dec. 8; Sp. p. 1754; Gaz. vol. 137; p. 1301.
- Emery, B. F., Thayer, Iowa. Ticket-holder. No. 906,002; Dec. 8; Sp. p. 1755; Gaz. vol. 137; p. 1301.
- Emery, E. A., Galva, Ill. Tripod for supporting lighting-fixtures. No. 901,795; Oct. 20; Sp. p. 3641; Dr. p. 736; Gaz. vol. 136; p. 1701.
- Emery, E. A., Cripple Creek, assignor to Emery Pneumatic Lubricator Company, Denver, Colo. Lubricator. No. 907,228; Dec. 22; Sp. p. 4104; Gaz. vol. 137; p. 1756.
- Emery, K. P., *et al.* (See Weinhardt, A. G., assignor.)
- Emery Pneumatic Lubricator Company. (See Emery, E. A., assignor.)
- Emery, V. J., Quincy, assignor of one-half to M. N. Bray, Boston, Mass. Means for distributing water to water-jackets of multiple-cylinder engines. No. 884,326; Apr. 7; Sp. p. 1316; Dr. p. 279; Gaz. vol. 133; p. 1404.
- Emery, W. S. (See Geary, G. A., assignor.)
- Emett, G. H. H., deceased; H. Emmett, administratrix, New Westminster, British Columbia, Canada. Hardening of cast-iron and the like. No. 878,053; Feb. 4; Sp. p. 332; Gaz. vol. 132; p. 902.
- Emett, H., administratrix. (See Emmett, G. H. H.)
- Emigh, J., Walla Walla, Wash. Automatic take-up for flexible conductors. No. 906,696; Dec. 15; Sp. p. 3049; Gaz. vol. 137; p. 1549.
- Emley, P. H., Lakehurst, N. J. Berry-picker. No. 893,908; July 21; Sp. p. 3193; Dr. p. 657; Gaz. vol. 135; p. 561.
- Emmer, N. W., Gas, Kans. Corn-popper. No. 876,786; Jan. 14; Sp. p. 2233; Dr. p. 491; Gaz. vol. 132; p. 396.
- Emmerich, R. F. (See Bock, A. C. O., assignor.)
- Emmerson, C. N., Chicago, Ill. Calciminer's knife. No. 898,568; Sept. 15; Sp. p. 2680; Dr. p. 572; Gaz. vol. 136; p. 492.
- Emmerson, M. E., *et al.* (See Norman, J. R., assignor.)
- Emmert, C. S., Chicago, Ill. Dauber. No. 892,036; June 30; Sp. p. 5792; Dr. p. 1246; Gaz. vol. 134; p. 2108.
- Emmert, J. H., Portland, Oreg. Folding hammock-support. No. 907,687; Dec. 22; Sp. p. 5080; Gaz. vol. 137; p. 1910.

Alphabetical list of patentees—Continued.

- Emmet, W. L. R., Schenectady, N. Y., assignor to General Electric Company. Brake for elastic-fluid turbines. No. 881,563; Mar. 10; Sp. p. 2124; Dr. pp. 463-4; Gaz. vol. 133; p. 386.
- Emmet, W. L. R., Schenectady, N. Y., assignor to General Electric Company. Turbine bucket-wheel. No. 901,430; Oct. 20; Sp. p. 2850; Dr. p. 582; Gaz. vol. 136; p. 1580.
- Emmet, W. L. R., and E. D. Dickinson, Schenectady, N. Y., assignors to General Electric Company. Shaft-bearing. No. 884,477; Apr. 14; Sp. p. 1632; Dr. p. 351; Gaz. vol. 133; p. 1483.
- Emmet, W. L. R., and O. Junggren, Schenectady, N. Y., assignors to General Electric Company. Governor for turbines. No. 902,219; Oct. 27; Sp. p. 4483; Dr. pp. 908-9; Gaz. vol. 136; p. 1866.
- Emmet, W. L. R., and O. Junggren, Schenectady, N. Y., assignors to General Electric Company. Governing mechanism. No. 902,220; Oct. 27; Sp. p. 4496; Dr. p. 910; Gaz. vol. 136; p. 1866.
- Emmons Loom Harness Company. (See Wingate, W. E., assignor.)
- Emory, S. W., Versailles, Mo. Self-closing ink-well. No. 891,826; June 30; Sp. p. 5394; Dr. p. 1166; Gaz. vol. 134; p. 2041.
- Emory, S. W., Versailles, Mo. Blacking-brush kit. No. 901,600; Oct. 20; Sp. p. 3211; Dr. p. 658; Gaz. vol. 136; p. 1636.
- Empfield, B., Indiana, Pa. Spool-holder. No. 876,157; Jan. 7; Sp. p. 919; Dr. p. 198; Gaz. vol. 132; p. 156.
- Empire Cream Separator Co. (See O'Neill, L. R., assignor.)
- Empire Cream Separator Company. (See Ohlsson, O., assignor.)
- Empire Jewelry Case Company. (See Sundee, J. R., assignor.)
- Empire Last Works. (See Partridge, C. F., assignor.)
- Empire Machine Company. (See Dearborn, C. A., assignor.)
- Empire Motor & Machine Company. (See Marshall, C. E., assignor.)
- Empire Oil Engine Syndicate Limited. (See Clay, J., assignor.)
- Empire Wolverine Manufacturing Company. (See Shields, G., assignor.)
- Ernich, I., Pforzheim, Germany. Bracelet. No. 907,980; Dec. 29; Sp. p. 5676; Gaz. vol. 137; p. 2035.
- Ernich, J. O., Allegheny, Pa. Fireproof door. No. 876,787; Jan. 14; Sp. p. 2234; Dr. p. 491; Gaz. vol. 132; p. 396.
- Ernich, J. O., Allegheny, Pa. Metallic door. No. 876,788; Jan. 14; Sp. p. 2236; Dr. p. 491; Gaz. vol. 132; p. 396.
- Ernick, F. C., St. Louis, Mo. Die and making same. No. 881,912; Mar. 17; Sp. p. 2854; Dr. p. 609; Gaz. vol. 133; p. 528.
- Ernick, F. C., St. Louis, Mo. Machine for forming articles from pulp-fiber. No. 991,331; June 23; Sp. p. 4347; Dr. pp. 947-9; Gaz. vol. 134; p. 1845.
- Ernick, F. C., St. Louis, Mo. Water-motor. No. 905,859; Dec. 8; Sp. p. 1480; Gaz. vol. 137; p. 1255.
- Ernick, F. C., and J. K. Baer, assignors to Busch-Freund Brewers Supply Company, St. Louis, Mo. Bottle-opener. No. 885,028; Apr. 21; Sp. p. 2784; Dr. p. 590; Gaz. vol. 133; p. 1695.
- Endall, H., Southampton, England. Marine signaling-lamp and the like. No. 897,823; Sept. 1; Sp. p. 1184; Dr. p. 251; Gaz. vol. 136; p. 188.
- Endean, J. W., Smyrna, Del. Brake. No. 907,019; Dec. 15; Sp. p. 3656; Gaz. vol. 137; p. 1651.
- Enderle, S., Allegheny, Pa. Rail-joint. No. 884,268; Apr. 7; Sp. p. 1224; Dr. p. 258; Gaz. vol. 133; p. 1387.
- Enderlein, C., Cassel, Germany. Railway signaling system. No. 876,953; Jan. 21; Sp. p. 2603; Dr. pp. 566-7; Gaz. vol. 132; p. 492.
- Enders, C. C., Enders, Pa. Swingletree-hook. No. 899,104; Sept. 22; Sp. p. 3675; Dr. p. 787; Gaz. vol. 136; p. 693.
- Endsley, R., assignor of one-half to M. F. Horst, Marion, Ind. Cement-block machine. No. 878,945; Feb. 11; Sp. p. 2186; Dr. p. 457; Gaz. vol. 132; p. 1227.
- Enell, O. E., Chicago, Ill., assignor to L. J. Lenox, Detroit, Mich. Bed. No. 900,156; Oct. 6; Sp. p. 175; Dr. pp. 36-7; Gaz. vol. 136; p. 1101.
- Enell, O. E., assignor to L. J. Lenox, Detroit, Mich. Folding bed. No. 900,157; Oct. 6; Sp. p. 177; Dr. p. 37; Gaz. vol. 136; p. 1102.
- Energy Elevator Company. (See Wuest, A. G., assignor.)
- Engbarth, C. E., Ocean Springs, Miss. Car-mover. No. 880,372; Feb. 25; Sp. p. 5096; Dr. p. 1078; Gaz. vol. 132; p. 1766.
- Engberg, E. O., Salt Lake City, Utah, assignor to J. B. Patton, Kent, Ohio. Machine for making window-shades. No. 883,793; Apr. 7; Sp. p. 227; Dr. pp. 40-1; Gaz. vol. 133; p. 1230.
- Engberg, E. O., Salt Lake City, Utah, assignor to J. B. Patton, Kent, Ohio. Measuring device. No. 883,794; Apr. 7; Sp. p. 236; Dr. pp. 41-2; Gaz. vol. 133; p. 1230.
- Engberg, E. O., Salt Lake City, Utah, assignor to J. B. Patton, Kent, Ohio. Machine for making window-shades. No. 883,795; Apr. 7; Sp. p. 238; Dr. pp. 42-4; Gaz. vol. 133; p. 1230.
- Engel, F. G., assignor to Economy Cooler Company, Buffalo, N. Y. Beer-cooler. No. 907,018; Dec. 15; Sp. p. 3654; Gaz. vol. 137; p. 1651.
- Engel, G., Pittsburg, Pa. Automobile construction. No. 891,051; June 16; Sp. p. 3789; Dr. p. 827; Gaz. vol. 134; p. 1723.
- Engel, M. A., Carrick, Pa. Basket. No. 882,935; Mar. 24; Sp. p. 4874; Dr. p. 1035; Gaz. vol. 133; p. 896.
- Engel, O., Berlin, Germany. Arrangement of contacts for switches. No. 907,481; Dec. 22; Sp. p. 4614; Gaz. vol. 137; p. 1843.
- Engelberg Huller Company. (See Tebryck and Halstead, assignors.)
- Engelberg, S. H., Brooklyn, N. Y. Fountain-pen. No. 879,614; Feb. 18; Sp. p. 3561; Dr. p. 744; Gaz. vol. 132; p. 1484.
- Engelbrecht, W., Cissna Park, Ill. Feed-regulator. No. 878,621; Feb. 11; Sp. p. 1580; Dr. p. 321; Gaz. vol. 132; p. 1124.
- Engelen, J., Cologne, Germany. Adjustable distributing-valve. No. 892,816; July 7; Sp. p. 829; Dr. p. 177; Gaz. vol. 135; p. 142.
- Engelhardt, F. M., Chicago, Ill., assignor to Toledo Computing Scale Company, Toledo, Ohio. Computing-scale. No. 878,620; Feb. 11; Sp. p. 1577; Dr. p. 321; Gaz. vol. 132; p. 1123.
- Engelhardt & Sons, F. (See Hobart, A. J., assignor.)
- Engelhart, J. G., Atlanta, Ga. Furnace. No. 908,228; Dec. 29; Sp. p. 6222; Gaz. vol. 137; p. 2120.
- Engelmann, A. J., St. Louis, Mo. Musical instrument of the accordion type. No. 884,373; Apr. 14; Sp. p. 1440; Dr. p. 307; Gaz. vol. 133; p. 1450.
- Engelmann, M., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Making dialkylbarbituric acid. No. 879,156; Feb. 18; Sp. p. 2600; Gaz. vol. 132; p. 1334.
- Engelmann, M., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Making dialkylbarbituric acid. No. 879,835; Feb. 18; Sp. p. 3995; Gaz. vol. 132; p. 1557.
- Engelsman, M., New York, N. Y. Jewelry-stand. No. 877,838; Jan. 28; Sp. p. 4374; Dr. p. 951; Gaz. vol. 132; p. 802.
- Engi, G. (See Kraft and Engi.)
- Engi, G., assignor to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Vat-dye derived from indirubin and making same. No. 876,158; Jan. 7; Sp. p. 920; Gaz. vol. 132; p. 156.
- Engi, G., assignor to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Red halogen vat-dye and making same. No. 887,609; May 12; Sp. p. 2591; Gaz. vol. 134; p. 447.
- Engi, G., assignor to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Making monobromo indigo. No. 888,230; May 13; Sp. p. 3801; Gaz. vol. 134; p. 680.
- Engi, G., assignor to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Leuco compounds of vat dyes and making same. No. 895,468; July 14; Sp. p. 2188; Gaz. vol. 135; p. 386.
- Engi, G., and H. Kraft, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Trichlorindigo and making same. No. 899,863; Sept. 29; Sp. p. 5230; Gaz. vol. 136; p. 977.
- Engi, G., and J. Fröhlich, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Vat-dye from indirubin and making same. No. 898,452; Sept. 15; Sp. p. 2455; Gaz. vol. 136; p. 455.
- England, W. H. (See Allfree and England.)
- Engle, A., Metz, Iowa. Making fertilizer. No. 895,353; Aug. 4; Sp. p. 1155; Gaz. vol. 135; p. 1087.
- Engle, C. J., Portland, Ind. Pumping-jack. No. 893,906; July 21; Sp. p. 3194; Dr. p. 657; Gaz. vol. 135; p. 561.
- Engle, L. (See Gardner, J. T., assignor.)
- Engle, W. B., Sugar Grove, Ohio. Stove. No. 904,188; Nov. 17; Sp. p. 3385; Gaz. vol. 137; p. 608.
- Engle, W. H., Tracy, Cal. Propelling means for boats. No. 906,697; Dec. 15; Sp. p. 3051; Gaz. vol. 137; p. 1549.
- Engler, W. B., and C. J. Kryzanowsky, Lansing, Mich. Valve for gas-engines. No. 885,459; Apr. 21; Sp. p. 3675; Dr. p. 770; Gaz. vol. 133; p. 1836.
- Englert, C., Rochester, N. Y. Non-refillable bottle. No. 893,154; July 14; Sp. p. 1563; Dr. p. 330; Gaz. vol. 135; p. 284.
- English, A. L., assignor of one-eighth to W. J. Bennett and one-fourth to J. Hunsaker and R. B. Coleman, Everett, Wash. Shingle-machine. No. 908,081; Dec. 29; Sp. p. 5577; Gaz. vol. 137; p. 2069.
- English, A. M., Boston, Mass., assignor to Manufacturers Machine Company, Montclair, N. J. Rough-rounding machine. No. 878,478; Feb. 4; Sp. p. 1179; Dr. pp. 240-7; Gaz. vol. 132; p. 1042.
- English, F., assignor to W. Payne, Philadelphia, Pa. Sewing-machine. No. 904,854; Nov. 24; Sp. p. 4790; Gaz. vol. 137; p. 859.
- English, J. C., Camden, N. J. Talking-machine. No. 877,989; Feb. 4; Sp. p. 183; Dr. p. 41; Gaz. vol. 132; p. 880.
- English, J. C., Camden, N. J., assignor to Victor Talking Machine Company. Sound-box for talking-machines. No. 877,184; Jan. 21; Sp. p. 3099; Dr. p. 671; Gaz. vol. 132; p. 570.
- English, J. C., Camden, N. J., assignor to Victor Talking Machine Company. Sound-box for machines for recording and reproducing sound. No. 898,201; Sept. 8; Sp. p. 1968; Dr. p. 420; Gaz. vol. 136; p. 341.
- English, J. H., Farmington, Mo. Surgical device. No. 905,301; Dec. 1; Sp. p. 332; Gaz. vol. 137; p. 1041.
- English, J. M., Soso, Miss. Planter. No. 907,759; Dec. 29; Sp. p. 5220; Gaz. vol. 137; p. 1964.

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 English, N., Detroit, Mich. Boiler-feeder. No. 902,283; Oct. 27; Sp. p. 4623; Dr. p. 939; Gaz. vol. 136; p. 1887.
 English, W. J., Cohoes, N. Y. Tension-line and thread-cleaner. No. 895,354; Aug. 4; Sp. p. 1156; Dr. p. 242; Gaz. vol. 135; p. 1087.
 Englund, A., Mountain View, Cal. Bread-slicer. No. 899,962; Sept. 29; Sp. p. 5425; Dr. p. 1157; Gaz. vol. 136; p. 1007.
 Englund, A. H., assignor to Protected Rail Bond Company, Philadelphia, Pa. Rail-bond. No. 888,980; May 26; Sp. p. 5365; Dr. p. 1138; Gaz. vol. 134; p. 957.
 Engman, V., Denver, Colo. Candle holder and hanger. No. 903,067; Nov. 3; Sp. p. 1071; Gaz. vol. 137; p. 175.
 Engstfeld, E., Jersey City, N. J. Window-shade fixture. No. 895,544; Aug. 11; Sp. p. 1548; Dr. p. 327; Gaz. vol. 135; p. 1173.
 Engstrom, M., Siren, Wis. Trap. No. 904,608; Nov. 24; Sp. p. 4253; Gaz. vol. 137; p. 775.
 Enley, J. J., Philadelphia, Pa. Dumping-wagon. No. 888,793; May 26; Sp. p. 4972; Dr. p. 1062; Gaz. vol. 134; p. 896.
 Enna & Co., E. (See Jørgensen and Haahr, assignors.)
 Ennis, B. F., Syracuse, N. Y. Separator for collated articles. No. 876,627; Jan. 14; Sp. p. 1943; Dr. pp. 423-4; Gaz. vol. 132; p. 346.
 Enns, D. H. (See Enns and Wiebe.)
 Enns, H. H. and D. H., and J. J. Wiebe, Hooker, Okla. Combined cultivator and planter. No. 883,006; Mar. 24; Sp. p. 5000; Dr. pp. 1063-4; Gaz. vol. 133; p. 918.
 Enochs, C. I., Brooklyn, N. Y. Amusement device. No. 879,615; Feb. 18; Sp. p. 3561; Dr. pp. 744-5; Gaz. vol. 132; p. 1484.
 Enochs, C. I., New York, N. Y. Amusement device. No. 901,330; Oct. 20; Sp. p. 2607; Dr. p. 536; Gaz. vol. 136; p. 1544.
 Enrico, G., assignor to F. I. A. T. Società Fabbrica Italiana Automobili-Torino, Turin, Italy. Means for starting internal-combustion engines. No. 888,074; May 19; Sp. p. 3510; Dr. p. 734; Gaz. vol. 134; p. 630.
 Enrico, G., assignor to F. I. A. T. Società Fabbrica Italiana Automobili-Torino, Turin, Italy. Carbureter for internal-combustion engines. No. 904,855; Nov. 24; Sp. p. 4792; Gaz. vol. 137; p. 859.
 Enrico, G., assignor, by mesne assignments, to Società Fabbrica Italiana Automobili Di Torino, Turin, Italy. Friction-clutch. No. 891,799; June 23; Sp. p. 5317; Dr. p. 1151; Gaz. vol. 134; p. 2001.
 Enrico, G., assignor, by mesne assignments, to Società Fabbrica Italiana Automobili Di Torino, Turin, Italy. Change-gear mechanism for vehicles. No. 891,800; June 23; Sp. p. 5318; Dr. p. 1151; Gaz. vol. 134; p. 2002.
 Enrico, G., Turin, Italy, assignor, by mesne assignments, to Fiat Automobile Company. Vehicle-brake. No. 903,068; Nov. 3; Sp. p. 1072; Gaz. vol. 137; p. 176.
 Enrico, G., Turin, Italy, assignor, by mesne assignments, to Fiat Automobile Company. Controlling mechanism for engines. No. 903,133; Nov. 3; Sp. p. 1195; Gaz. vol. 137; p. 195.
 Enright, J. A., Columbus, Ohio. Nailless horseshoe. No. 879,952; Feb. 25; Sp. p. 4278; Dr. p. 894; Gaz. vol. 132; p. 1629.
 Enright, J. A., Columbus, Ohio. Writing and marking device. No. 894,483; July 28; Sp. p. 4417; Dr. p. 913; Gaz. vol. 135; p. 773.
 Enright, P. J., Lowell, Mass. Razor-blade holder. No. 884,805; Apr. 14; Sp. p. 2342; Dr. p. 493; Gaz. vol. 133; p. 1593.
 Ensign, D. F., and M. Hazard, assignors of one-third to J. Forshee, Willet, N. Y. Calk-grinder. No. 899,721; Sept. 29; Sp. p. 4902; Dr. p. 1052; Gaz. vol. 136; p. 928.
 Ensign, E. S., Newtonville, assignor to Ensign Manufacturing Company, Boston, Mass. Calculating-machine. No. 879,449; Feb. 18; Sp. p. 3198; Dr. pp. 666-8; Gaz. vol. 132; p. 1431.
 Ensign, E. S., Newtonville, assignor to Ensign Manufacturing Company, Boston, Mass. Calculating-machine. No. 889,668; June 2; Sp. p. 921; Dr. pp. 214-18; Gaz. vol. 134; p. 1210.
 Ensign Manufacturing Company. (See Ensign, E. S., assignor.)
 Ensign, O. H., Los Angeles, Cal. Gas-making apparatus. No. 907,688; Dec. 22; Sp. p. 5081; Gaz. vol. 137; p. 1910.
 Ensinger, F. E. (See Roseland, T. C., assignor.)
 Ensor, A., Paterson, N. J. Toy. No. 897,527; Sept. 1; Sp. p. 595; Dr. p. 124; Gaz. vol. 136; p. 93.
 Ensor, W. F. (See Stokes and Ensor.)
 Enterprise Foundry. (See Hoehn and Gross, assignors.)
 Enterprise Manufacturing Company. (See Asbury, H. E., assignor.)
 Enterprise Railway Equipment Company. (See Campbell, A., assignor.)
 Enterprise Specialty Company. (See Menkin, E. F., assignor.)
 Entrikin, C. T. (See Graeber and Entrikin.)
 Entrikin, C. T. (See Graeber, Entrikin, and Garman.)
 Enyard, I. N. (See Jarvis and Enyard.)
 Eppmeyer, W. (See Rowney, J., assignor.)
 Epstein, B., New York, N. Y. Cigarette-case. No. 903,690; Nov. 10; Sp. p. 2320; Gaz. vol. 137; p. 407.
 Epstein, G., New York, N. Y. Strainer for coffee-urns. No. 881,564; Mar. 10; Sp. p. 2126; Dr. p. 464; Gaz. vol. 133; p. 387.
 Epstein, S. (See Epstein, W. and S.)
 Epstein, W. (See Cohen and Epstein.)
 Epstein, W. and S., New York, N. Y. Skirt. No. 887,610; May 12; Sp. p. 2592; Dr. p. 547; Gaz. vol. 134; p. 447.
 Epton, W. M. (See Vaughan and Epton.)
 Erb, E. M., Jersey City, assignor to R. M. Dixon, East Orange, N. J. Sash-balance. No. 881,783; Mar. 10; Sp. p. 2555; Dr. p. 549; Gaz. vol. 133; p. 456.
 Erben, H. F. T., Schenectady, N. Y., assignor to General Electric Company. Brush-holder. No. 905,675; Dec. 1; Sp. p. 1109; Gaz. vol. 137; p. 1163.
 Erben, W., *et al.* (See Shuman, F. and C., assignors.)
 Erdman, G. F., *et al.* (See Dodd, C. E., assignor.)
 Erdmann, W., Madison, Wis. Scraper. No. 876,789; Jan. 14; Sp. p. 2238; Dr. p. 492; Gaz. vol. 132; p. 397.
 Erecksom, M., and J. O. Jystad, Galesburg, N. D. Shock-gatherer. No. 882,819; Mar. 24; Sp. p. 4624; Dr. p. 986; Gaz. vol. 133; p. 857.
 Erfman, H. F., Sr., Miamisburg, Ohio. Non-refillable bottle. No. 891,052; June 16; Sp. p. 3791; Dr. p. 827; Gaz. vol. 134; p. 1723.
 Erford, E. J., *et al.* (See Meyers, E. J., assignor.)
 Erford, J. H., *et al.* (See Meyers, E. J., assignor.)
 Ergenbright, C. S., Caney, Kans. Hand-plow. No. 878,715; Feb. 11; Sp. p. 1754; Dr. pp. 362-3; Gaz. vol. 132; p. 1154.
 Erichsen, A. C. E., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Bottle-holder. No. 883,395; Mar. 31; Sp. p. 5815; Dr. p. 1240; Gaz. vol. 133; p. 1075.
 Erichson, C. A., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. No. 893,316; July 14; Sp. p. 1866; Dr. p. 390; Gaz. vol. 135; p. 336.
 Ericksen, W. (See Hachmann and Ericksen.)
 Ericksen, C. J., assignor to Automatic Electric Company, Chicago, Ill. Busy-signal apparatus. No. 885,915; Apr. 28; Sp. p. 4613; Dr. p. 967; Gaz. vol. 133; p. 2012.
 Ericksen, E. H., Minneapolis, Minn. Clamp and buckle for joining webbing. No. 899,105; Sept. 22; Sp. p. 3676; Dr. p. 787; Gaz. vol. 136; p. 693.
 Ericksen, E. O. H., Duluth, Minn. Match-safe. No. 892,233; June 30; Sp. p. 6176; Dr. p. 1330; Gaz. vol. 134; p. 2174.
 Erickson, F. W., New York, N. Y. Electric incandescent lamp. No. 904,609; Nov. 24; Sp. p. 4255; Gaz. vol. 137; p. 775.
 Erickson, H., Cambridge, Mass. Safety attachment for pockets. No. 886,964; May 5; Sp. p. 1248; Dr. p. 264; Gaz. vol. 134; p. 206.
 Erickson, H., Bridger, Wyo. Implement for forming trenches and rolling soil. No. 890,268; June 9; Sp. p. 2187; Dr. p. 480; Gaz. vol. 134; p. 1433.
 Erickson, I. (See Hansen and Erickson.)
 Erickson, J., Fairdale, N. D. Engine. No. 899,297; Sept. 22; Sp. p. 4072; Dr. p. 870; Gaz. vol. 136; p. 756.
 Erickson, J., assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Semaphore. No. 907,482; Dec. 22; Sp. p. 4617; Gaz. vol. 137; p. 1843.
 Erickson, L. A., Chicago, Ill. Combined chair and couch. No. 891,332; June 23; Sp. p. 4361; Dr. p. 950; Gaz. vol. 134; p. 1846.
 Erickson, M. A., Minneapolis, Minn. Double-acting spring-hinge. No. 901,796; Oct. 20; Sp. p. 3643; Dr. pp. 736-7; Gaz. vol. 136; p. 1701.
 Erickson, O. F., Berkeley, and R. H. Bradshaw, Oakland, Cal. Letter-box alarm and indicator. No. 882,752; Mar. 24; Sp. p. 4497; Dr. p. 958; Gaz. vol. 133; p. 835.
 Erickson, O. H., Minneapolis, Minn. Speed-regulator for dynamos. No. 890,971; June 16; Sp. p. 3638; Dr. pp. 791-3; Gaz. vol. 134; p. 1696.
 Erickson, P., Whitehall, Mich. Drawer attachment. No. 876,159; Jan. 7; Sp. p. 921; Dr. p. 199; Gaz. vol. 132; p. 157.
 Ericson, C. V., assignor to M. L. Monheimer, Chicago, Ill. Feeding mechanism for sewing-machines. No. 896,522; Aug. 18; Sp. p. 3482; Dr. p. 748; Gaz. vol. 135; p. 1511.
 Ericson, G., Red Wing, Minn. Hame-fastener. No. 892,234; June 30; Sp. p. 6178; Dr. p. 1331; Gaz. vol. 134; p. 2174.
 Ericson, G., Sacred Heart, Minn. Horse-releaser. No. 901,601; Oct. 20; Sp. p. 3211; Dr. p. 658; Gaz. vol. 136; p. 1636.
 Ericson, P. V., New York, N. Y. Hook-book. No. 891,612; June 23; Sp. p. 4915; Dr. p. 1060; Gaz. vol. 134; p. 1935.
 Ericsson, A. J., assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal machine. No. 900,089; Oct. 6; Sp. p. 35; Dr. p. 6; Gaz. vol. 136; p. 1080.

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- Eriesson, A. J., assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal machine for drying. No. 905,860; Dec. 8; Sp. p. 1484; Gaz. vol. 137; p. 1256.
- Eriesson, A. N., assignor of one-half to H. J. Purse and K. R. Davies, Detroit, Mich. Cash-register. No. 897,886; Sept. 8; Sp. p. 1311; Dr. pp. 280-1; Gaz. vol. 136; p. 240.
- Erie City Iron Works. (See Ferrari, C., assignor.)
- Erie Foundry Company. (See Altman, W., assignor.)
- Erie Malleable Iron Company. (See Hay, J. F., assignor.)
- Erie Pump and Engine Company. (See Pfadt, J. G., assignor.)
- Erikson, L., Malden, Mass. Illuminated show-case. No. 892,235; June 30; Sp. p. 6179; Dr. p. 1331; Gaz. vol. 134; p. 2174.
- Eriksson, B. G., Christinehamn, Sweden. Household furniture. No. 885,234; Apr. 21; Sp. p. 3233; Dr. p. 674; Gaz. vol. 133; p. 1762.
- Erlwein, G., Charlottenburg, and E. Marquardt, Carow, near Berlin, Germany. Regenerating water in reservoirs containing aquatic animals. No. 880,783; Mar. 3; Sp. p. 597; Dr. p. 127; Gaz. vol. 133; p. 103.
- Erlwein, G., Berlin, and E. Marquardt, Charlottenburg, Germany. Keeping aquatic animals alive during transportation. No. 884,140; Apr. 7; Sp. p. 999; Dr. pp. 208-9; Gaz. vol. 133; p. 1345.
- Erneling, J. P., Buitenzorg, Java. Apparatus for removing mud from channels. No. 876,790; Jan. 14; Sp. p. 2239; Dr. p. 492; Gaz. vol. 132; p. 397.
- Ernold, E., New York, N. Y. Bottle-labeling machine. No. 893,317; July 14; Sp. p. 1868; Dr. pp. 390-2; Gaz. vol. 135; p. 337.
- Ernold, G., Elizabeth, N. J. Inhaler. No. 892,717; July 7; Sp. p. 638; Dr. p. 135; Gaz. vol. 135; p. 111.
- Ernst, A., Pittsburg, Pa., assignor to Coal and Coke By-Products Company. Gas-cleaner. No. 896,365; Aug. 18; Sp. p. 3160; Dr. pp. 678-9; Gaz. vol. 135; p. 1458.
- Ernst, A., Pittsburg, Pa., assignor to Coal and Coke By-Products Company. Cleaning gases. No. 900,062; Sept. 29; Sp. p. 5659; Dr. p. 1209; Gaz. vol. 136; p. 1040.
- Ernst, C. A., Lansdowne, assignor to S. W. Pettit, Philadelphia, Pa. Producing and forming twisted filaments from viscose or similar material. No. 876,533; Jan. 14; Sp. p. 1724; Dr. p. 374; Gaz. vol. 132; p. 313.
- Ernst, C. A., Lansdowne, assignor to S. W. Pettit, Philadelphia, Pa. Forming filaments out of viscose or similar viscous material. No. 896,715; Aug. 25; Sp. p. 3847; Gaz. vol. 135; p. 1594.
- Ernst, C. A., Schenectady, N. Y., assignor to General Electric Company. Thermal cut-out. No. 891,414; June 23; Sp. p. 4527; Dr. p. 984; Gaz. vol. 134; p. 1873.
- Ernst, C. A., and G. O. Hamlin, Lansdowne, assignors to S. W. Pettit, Philadelphia, Pa. Filtering viscose and similar viscous substances. No. 876,901; Jan. 14; Sp. p. 2465; Dr. p. 538; Gaz. vol. 132; p. 434.
- Ernst, C. K. (See Farnoff, H., assignor.)
- Ernst, E. R., Warrenpoint, N. J. Flying-machine. No. 882,457; Mar. 17; Sp. p. 3900; Dr. pp. 833-4; Gaz. vol. 133; p. 705.
- Ernst, O., and C. Pretzell, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Making red azo dye lake. No. 888,981; May 26; Sp. p. 5367; Gaz. vol. 134; p. 958.
- Ernst, W., San Francisco, Cal. Bake-oven. No. 877,310; Jan. 21; Sp. p. 3352; Dr. p. 726; Gaz. vol. 132; p. 611.
- Ertz, J. W., Maple River Junction, Iowa. Corn-busker. No. 878,365; Feb. 4; Sp. p. 956; Dr. p. 192; Gaz. vol. 132; p. 1004.
- Ervin, E. E., Austin, Ind. Spindle-protector. No. 897,967; Sept. 8; Sp. p. 1515; Dr. p. 321; Gaz. vol. 136; p. 268.
- Erwin, H. E., Tobacco, Ky. Bottle-seal. No. 896,095; Aug. 18; Sp. p. 2624; Dr. p. 568; Gaz. vol. 135; p. 1373.
- Erwin, J. B., Milwaukee, Wis. Egg-beater. No. 890,629; June 16; Sp. p. 2916; Dr. p. 638; Gaz. vol. 134; p. 1583.
- Erwood, J., Chicago, Ill. Steam-boiler. No. 893,910; July 21; Sp. p. 3197; Dr. pp. 657-8; Gaz. vol. 135; p. 562.
- Erwood, J., Chicago, Ill. Reversible cut-out valve for steam boilers and pipes. No. 893,911; July 21; Sp. p. 3198; Dr. p. 658; Gaz. vol. 135; p. 562.
- Erwood, J., Chicago, Ill. Relief-valve. No. 901,084; Oct. 13; Sp. p. 2128; Dr. p. 434; Gaz. vol. 136; p. 1431.
- Escalles, R., and M. Novak, Munich, Germany. Accelerating the separation of nitroglycerin from acids. No. 880,373; Feb. 25; Sp. p. 5098; Dr. p. 1078; Gaz. vol. 132; p. 1766.
- Escarfail, P., Pontcharra sur Bréda, France. Roller-press for paper-making machines. No. 878,946; Feb. 11; Sp. p. 2187; Dr. pp. 457-8; Gaz. vol. 132; p. 1227.
- Eschellmann, G., St. Petersburg, Russia. Purifying gases containing sulfur dioxide. No. 900,500; Oct. 6; Sp. p. 930; Dr. p. 189; Gaz. vol. 136; p. 1213.
- Eschellmann, G., and A. Harnuth, St. Petersburg, Russia. Apparatus for absorption of gases. No. 894,792; July 28; Sp. p. 4993; Dr. p. 1042; Gaz. vol. 135; p. 871.
- Eschellmann, G., and A. Harnuth, assignors to Tov. Tentelevskago Khimichesk Zavoda, St. Petersburg, Russia. Catalytic apparatus for making sulfuric anhydride. (Reissue.) No. 12,759; Mar. 10; Sp. p. 2784; Dr. p. 597; Gaz. vol. 133; p. 492.
- Escher, G. (See Atwood and Escher.)
- Escher, G. E., New York, N. Y. Fireproof building construction. No. 904,856; Nov. 24; Sp. p. 4794; Gaz. vol. 137; p. 859.
- Escher, J., Indianapolis, Ind. Wind-actuated ventilator. No. 901,085; Oct. 13; Sp. p. 2131; Dr. p. 434; Gaz. vol. 136; p. 1431.
- Eshnaur, J. W., Los Angeles, Cal. Fishing-rod. No. 888,075; May 19; Sp. p. 3512; Dr. p. 734; Gaz. vol. 134; p. 630.
- Esmeralda Copper Precipitating Company. (See Potter, W. B., assignor.)
- Esmeralda Copper Precipitating Company. (See Wilcox, H. M., assignor.) (Reissue.)
- Esplin, E. J., Springfield, Mo. Lucas-holder. No. 891,920; June 30; Sp. p. 5574; Dr. p. 1201; Gaz. vol. 134; p. 2073.
- Espen-Lucas Machine Works. (See Lucas, W. H., assignor.)
- Esperandieu, E. F., assignor to International Incinerator Company, Buffalo, N. Y. Incinerator for garbage, excrement, &c. No. 893,229; July 14; Sp. p. 1701; Dr. p. 359; Gaz. vol. 135; p. 307.
- Epich, J. W., assignor of one-third to E. G. Powell, Carney, Okla. Cultivator attachment for thinning cotton. No. 883,304; Mar. 31; Sp. p. 5615; Dr. p. 1197; Gaz. vol. 133; p. 1046.
- Epig, R. F., Pittsfield, Mass. Shade-roller and curtain-pole support. No. 891,053; June 16; Sp. p. 3792; Dr. p. 828; Gaz. vol. 134; p. 1723.
- Espy, F. B., Cestos, Okla. Pig-feeder. No. 886,485; May 5; Sp. p. 284; Dr. p. 60; Gaz. vol. 134; p. 52.
- Esselburn, W., Harrisville township, Medina county, Ohio. Coin-receptacle for rural mail-boxes. No. 898,453; Sept. 15; Sp. p. 2456; Dr. p. 525; Gaz. vol. 136; p. 455.
- Esser, C. (See Dameris, A., assignor.)
- Essex Company. (See Randolph, L. M., assignor.)
- Essex Machine Company. (See Reed, J. H., assignor.)
- Essig, J., Syracuse, N. Y. Manufacture of shoes. No. 899,788; Sept. 29; Sp. p. 5072; Dr. p. 1084; Gaz. vol. 136; p. 952.
- Essmiller, F., New York, N. Y. Cover. No. 893,469; July 14; Sp. p. 2190; Dr. p. 490; Gaz. vol. 135; p. 386.
- Estell, S. F., Los Angeles, Cal. Clasp. No. 883,184; Mar. 31; Sp. p. 5358; Dr. p. 1141; Gaz. vol. 133; p. 1006.
- Estep, E., Sandwich, Ill. Molding apparatus. No. 902,062; Oct. 27; Sp. p. 4177; Dr. p. 846; Gaz. vol. 136; p. 1816.
- Estes, J. F. (See Eres and Smith.)
- Estes, L. B. (See Bennett, J. J., assignor.)
- Estes, L. H. (See Hargrove, A. S., assignor.)
- Estes, W. B., assignor to Universal Horse Collar Fastener Company, Atlanta, Ga. Fastener for horse-collars. No. 883,631; Mar. 31; Sp. p. 6283; Dr. p. 1340; Gaz. vol. 133; p. 1149.
- Estes, W. M. and J. F., and J. H. Smith, Cullman, Ala. Cultivator attachment. No. 887,078; May 12; Sp. p. 1480; Dr. p. 314; Gaz. vol. 134; p. 272.
- Esty Sprinkler Company. (See Esty, W., assignor.)
- Esty, W., assignor to Esty Sprinkler Company, Laconia, N. H. Open sprinkler. No. 885,029; Apr. 21; Sp. p. 2785; Dr. p. 590; Gaz. vol. 133; p. 1695.
- Etheridge, H. (See Bryan and Etheridge.)
- Etheridge, H. (See Bryan, Etheridge, and Balsinger.)
- Etherington, J. B. (See Kenyon, D. M., assignor.)
- Ethridge, M. V. B., New York, N. Y. Canceling and post-marking machine. No. 882,519; Mar. 17; Sp. p. 4024; Dr. pp. 858-9; Gaz. vol. 133; p. 726.
- Etiman, J. M., Mapleton, N. D. Card-door. No. 899,389; Sept. 22; Sp. p. 4226; Dr. p. 905; Gaz. vol. 136; p. 784.
- Etling, D. H. (See Gardner, F. B., assignor.)
- Ette, C. G., assignor to Ette Investment Company, St. Louis, Mo. Washer. No. 888,982; May 26; Sp. p. 5367; Dr. p. 1139; Gaz. vol. 134; p. 958.
- Ette, C. G., assignor to Ette Investment Company, St. Louis, Mo. Metallic insulator-pin. No. 905,414; Dec. 1; Sp. p. 569; Gaz. vol. 137; p. 1081.
- Ette, C. G., assignor to Ette Investment Company, St. Louis, Mo. Insulator-pin. No. 906,003; Dec. 8; Sp. p. 1756; Gaz. vol. 137; p. 1301.
- Ette, C. G., assignor to Ette Investment Company, St. Louis, Mo. Insulator-pin. No. 906,787; Dec. 15; Sp. p. 3229; Gaz. vol. 137; p. 1579.
- Ette, C. G., assignor to Ette Investment Company, St. Louis, Mo. Pole-step. No. 907,483; Dec. 22; Sp. p. 4619; Gaz. vol. 137; p. 1843.
- Ette, C. G., assignor to Ette Investment Company, St. Louis, Mo. Ground-anchor. No. 908,082; Dec. 29; Sp. p. 5879; Gaz. vol. 137; p. 2069.
- Ette Investment Company. (See Ette, C. G., assignor.)

Alphabetical list of patentees—Continued.

- Etting, N., Philadelphia, Pa. Cupola. No. 882,000; Mar. 17; Sp. p. 3051; Dr. p. 649; Gaz. vol. 133; p. 558.
- Etzel, J. T., *et al.* (See Roadhouse, N. F., assignor.)
- Eubank, J. H., Ysleta, assignor of one-half to W. B. Merchant, El Paso, Tex. Wire clamp or grip. No. 881,311; Mar. 10; Sp. p. 1641; Dr. p. 351; Gaz. vol. 133; p. 306.
- Eubank, S. F., assignor of two-thirds to G. B. Smith, J. Garnett, and C. S. Harris, Columbia, Ky. Pipe and post puller. No. 892,236; June 30; Sp. p. 6181; Dr. p. 1331; Gaz. vol. 134; p. 2175.
- Eubanks, J. A., Greenfield, Ohio. Pencil-holder. No. 900,716; Oct. 13; Sp. p. 1382; Dr. p. 282; Gaz. vol. 136; p. 1312.
- Eubanks, S. D. (See Phillips and Eubanks.)
- Euclid Motor Company. (See Shanck, H. K., assignor.)
- Euelectric Co. (See Warrell, F. G., assignor.)
- Eugene Dietzgen Company. (See Baumbach and Klitsche, assignors.)
- Euker, G. W., Pittsfield, Mass., assignor to Stanley-G. I. Electric Manufacturing Company. Driving mechanism. No. 890,630; June 16; Sp. p. 2918; Dr. p. 639; Gaz. vol. 134; p. 1584.
- Euker, G. W., Boston, Mass., assignor to Diehl Manufacturing Company. Controller for alternating-current motors. No. 892,656; July 7; Sp. p. 513; Dr. p. 108; Gaz. vol. 135; p. 91.
- Euker, G. W., Boston, Mass., assignor to Diehl Manufacturing Company. Single-phase commutator-motor. No. 902,720; Nov. 3; Sp. p. 377; Gaz. vol. 137; p. 64.
- Eulenfeld, F. von, London, England. Rotary web-printing machinery for simultaneous multicolor-printing. No. 888,231; May 19; Sp. p. 3802; Dr. pp. 798-9; Gaz. vol. 134; p. 680.
- Eulner, A. G., Philadelphia, Pa. Can-opener. No. 880,131; Feb. 25; Sp. p. 4619; Dr. p. 974; Gaz. vol. 132; p. 1686.
- Eustace, E. C. (See Lacomme, G., assignor.)
- Eustice, E. A. (See Barngrover and Eustice.)
- Eustis, J. P., Newtonville, Mass. Bath-tub seat. No. 892,657; July 7; Sp. p. 516; Dr. p. 108; Gaz. vol. 135; p. 91.
- Eustis, J. P., Newton, Mass. Shelf-supporting bracket. No. 897,076; Aug. 25; Sp. p. 4648; Dr. p. 990; Gaz. vol. 135; p. 1716.
- Eustis, J. P., Newton, Mass. Adjustable shaving-mirror. No. 898,454; Sept. 15; Sp. p. 2458; Dr. p. 525; Gaz. vol. 136; p. 455.
- Eustis, J. P., Newton, Mass. Non-circular metallic inclosing frame. No. 908,401; Dec. 29; Sp. p. 6572; Gaz. vol. 137; p. 2179.
- Evans, A. S., Arvonia, Kans. Automatic air-brake coupling. No. 894,127; July 21; Sp. p. 3643; Dr. p. 751; Gaz. vol. 135; p. 634.
- Evans, C. E., administratrix. (See Evans, S. J.)
- Evans, C. S., Oakland, Cal. Oil-burner. No. 878,874; Feb. 11; Sp. p. 2051; Dr. p. 425; Gaz. vol. 132; p. 1205.
- Evans, D. (See Raney, W. D., assignor.)
- Evans, D. J. (See Andresen, H. P., assignor.)
- Evans, D. W., Eaton, Ohio. Mole-plow. No. 906,788; Dec. 15; Sp. p. 3230; Gaz. vol. 137; p. 1579.
- Evans, E. A., Chicago, Ill. Means and method for detecting and preventing fraud. No. 878,366; Feb. 4; Sp. p. 958; Dr. p. 192; Gaz. vol. 132; p. 1004.
- Evans, E. A., and D. Tilley, Columbus, Ohio, assignors, by mesne assignments, to Jeffrey Manufacturing Company. Pulverizer. No. 891,471; June 23; Sp. p. 4628; Dr. p. 1005; Gaz. vol. 134; p. 1892.
- Evans, F., Minneapolis, Minn. Attachment for plows. No. 900,992; Oct. 13; Sp. p. 1959; Dr. p. 399; Gaz. vol. 136; p. 1402.
- Evans, F. W., Park City, Utah. Attachment for pencils and the like. No. 882,377; Mar. 17; Sp. p. 3766; Dr. p. 803; Gaz. vol. 133; p. 679.
- Evans, G. R. (See McKee and Evans.)
- Evans, H. W. (See Holderness and Evans.)
- Evans, H. W., Chicago, Ill. Machine for finishing pipe bends, fittings, and the like. No. 883,942; Apr. 7; Sp. p. 549; Dr. pp. 100-10; Gaz. vol. 133; p. 1280.
- Evans, I. N. (See Evans and Akins, assignors.)
- Evans, J. A. (See Evans, N. R., assignor.)
- Evans, J. G., Baker City, Ore. Ore-separator. No. 896,978; Aug. 25; Sp. p. 4454; Dr. p. 952; Gaz. vol. 135; p. 1683.
- Evans, J. G., Phoenix, Ariz. Ter. Hammer. No. 905,676; Dec. 1; Sp. p. 1112; Gaz. vol. 137; p. 1164.
- Evans, J. J., and R. Lewis, New Castle, Pa. Roll. No. 880,205; Feb. 25; Sp. p. 4780; Dr. p. 1011; Gaz. vol. 132; p. 1711.
- Evans, J. M., Chanute, Kans. Tightener. No. 880,980; Mar. 3; Sp. p. 992; Dr. p. 212; Gaz. vol. 131; p. 168.
- Evans, J. P., and R. P. Akins, assignors of one-fifth to I. N. Evans, Denver, Colo. Concentrating apparatus. No. 885,692; Apr. 21; Sp. p. 4148; Dr. pp. 868-9; Gaz. vol. 133; p. 1908.
- Evans, J. W. (See Murry and Evans.)
- Evans, N. R., assignor to J. A. Evans, Richmond, Ind. Window-lifter. No. 899,009; Sept. 15; Sp. p. 3489; Dr. p. 747; Gaz. vol. 136; p. 634.
- Evans, P., Philadelphia, Pa. Ventilator. No. 898,855; Sept. 15; Sp. p. 3215; Dr. p. 689; Gaz. vol. 136; p. 584.
- Evans, P., Philadelphia, Pa. Transmission-gear. No. 905,677; Dec. 1; Sp. p. 1114; Gaz. vol. 137; p. 1164.
- Evans, P., Philadelphia, Pa. Transmission-gear. No. 905,678; Dec. 1; Sp. p. 1117; Gaz. vol. 137; p. 1165.
- Evans, P., assignor to International Sprinkler Co., Philadelphia, Pa. Dry-pipe valve. No. 898,856; Sept. 15; Sp. p. 3216; Dr. p. 689; Gaz. vol. 136; p. 585.
- Evans, P. W., Washington, D. C. Dental bracket-table. No. 893,155; July 14; Sp. p. 1564; Dr. pp. 330-1; Gaz. vol. 135; p. 285.
- Evans, R. J., Van Wert, Ohio. Lacing device. No. 904,416; Nov. 17; Sp. p. 3850; Gaz. vol. 137; p. 685.
- Evans, S., Chicago, Ill. Developing-machine. No. 893,062; July 14; Sp. p. 1373; Dr. p. 290; Gaz. vol. 135; p. 254.
- Evans, S., Chicago, Ill. Washing-machine for glass. No. 893,063; July 14; Sp. p. 1375; Dr. pp. 290-1; Gaz. vol. 135; p. 254.
- Evans, S. J. (See Dennis, H. D., assignor.)
- Evans, S. J., Roanoke, Va.; C. E. Evans, administratrix. Machine for canceling letters. No. 903,069; Nov. 3; Sp. p. 1074; Gaz. vol. 137; p. 176.
- Evans, S. J., deceased; C. E. Evans, administratrix, assignor of one-half to C. F. Byrne, Roanoke, Va. Machine for canceling letters. No. 896,284; Aug. 18; Sp. p. 2973; Dr. p. 641; Gaz. vol. 135; p. 1433.
- Evans, S. J., deceased; C. E. Evans, administratrix, assignor of one-half to C. F. Byrne, Roanoke, Va. Stamp canceling and marking machine. No. 896,366; Aug. 18; Sp. p. 3163; Dr. pp. 679-80; Gaz. vol. 135; p. 1459.
- Evans, S. W., Jr. (See Gaskill, W. H., assignor.)
- Evans, S. W., Jr. (See Wurster, C. F., assignor.)
- Evans Stamping & Plating Company. (See Tuttle, H. A., assignor.)
- Evans, W., Philadelphia, Pa. Mandrel. No. 904,252; Nov. 17; Sp. p. 3520; Gaz. vol. 137; p. 629.
- Evans, W. C., Exeter, N. H., and E. H. Taylor, Lynn, Mass., assignors to Automatic Heel Trimming and Burnishing Machine Company, Exeter, N. H. Rotary cutter. No. 891,212; June 16; Sp. p. 4098; Dr. p. 897; Gaz. vol. 134; p. 1773.
- Evans, W. C., Exeter, N. H., and E. H. Taylor, Lynn, Mass., assignors to Automatic Heel Trimming and Burnishing Machine Company, Exeter, N. H. Machine for finishing the heels of boots and shoes. No. 896,285; Aug. 18; Sp. p. 2978; Dr. pp. 642-4; Gaz. vol. 135; p. 1434.
- Evans, W. J., Aspinwall, Pa. Mold-stripper. No. 887,611; May 12; Sp. p. 2594; Dr. p. 547; Gaz. vol. 134; p. 448.
- Evans, W. R., Youngstown, Ohio. Wheel-guard. No. 885,030; Apr. 21; Sp. p. 2788; Dr. p. 591; Gaz. vol. 133; p. 1696.
- Evans, W. R., Eagleville, Mo. Shade and curtain fixture. No. 885,987; Apr. 28; Sp. p. 4793; Dr. p. 1007; Gaz. vol. 133; p. 2037.
- Everts, R. C., Beaver Falls, Pa. Radiator connection. No. 883,103; Mar. 24; Sp. p. 5176; Dr. p. 1106; Gaz. vol. 133; p. 949.
- Eveland, S. S., Philadelphia, Pa. Making annular bearings. No. 895,992; Aug. 11; Sp. p. 2440; Dr. p. 524; Gaz. vol. 135; p. 1318.
- Eveleth, C. E., Schenectady, N. Y., assignor to General Electric Company. Reverse-current circuit-breaker. No. 883,943; Apr. 7; Sp. p. 552; Dr. p. 110; Gaz. vol. 133; p. 1281.
- Eveleth, C. E., Schenectady, N. Y., assignor to General Electric Company. Field regulation for motor-generators. No. 896,979; Aug. 25; Sp. p. 4455; Dr. p. 952; Gaz. vol. 135; p. 1683.
- Evelyn, H. C. (See Krueger and Evelyn.)
- Evans, J. W., Birmingham, Ala. Swab for piston-rods. No. 889,669; June 2; Sp. p. 948; Dr. p. 218; Gaz. vol. 134; p. 1211.
- Evensen, W., assignor to Goss Printing Press Company, Chicago, Ill. Plate-clamping mechanism for rotary printing-presses. No. 905,162; Dec. 1; Sp. p. 75; Gaz. vol. 137; p. 995.
- Evensen, W., assignor to Goss Printing Press Company, Chicago, Ill. Roll-holder for printing-presses. No. 907,760; Dec. 29; Sp. p. 5224; Gaz. vol. 137; p. 1964.
- Evensen, W., assignor to Goss Printing Press Company, Chicago, Ill. Roll-holder for printing-presses. No. 907,761; Dec. 29; Sp. p. 5226; Gaz. vol. 137; p. 1964.
- Everard, H. H. (See Hinzke, A., assignor.)
- Everest, A. R., Rugby, England, assignor to General Electric Company. Alternating-current regulator. No. 883,007; Mar. 24; Sp. p. 5002; Dr. p. 1064; Gaz. vol. 133; p. 918.
- Everett, A. R., Lynn, Mass., assignor to General Electric Company. Controlling means for alternating-current motors. No. 887,612; May 12; Sp. p. 2596; Dr. p. 547; Gaz. vol. 134; p. 448.
- Everett, C. J., and J. V. McAdam, assignors to Revolute Machine Company, New York, N. Y. Photographic-printing machine. No. 883,396; Mar. 31; Sp. p. 5817; Dr. p. 1240; Gaz. vol. 133; p. 1075.
- Everett, E. A., Detroit, Mich. Electric railway-signal. No. 901,331; Oct. 20; Sp. p. 2610; Dr. pp. 536-7; Gaz. vol. 136; p. 1545.

Alphabetical list of patentees—Continued.

- Everett, E. C., and F. Schindewolf, assignors to R. E. Dietz Company, New York, N. Y. Burner-fastening for lamps and lanterns. No. 888,150; May 19; Sp. p. 3655; Dr. p. 765; Gaz. vol. 134; p. 653.
- Everett, H. A., Barrington, N. J., and A. Parker, Philadelphia, Pa. Safety-limit switch. No. 881,565; Mar. 10; Sp. p. 2127; Dr. p. 464; Gaz. vol. 133; p. 387.
- Everett, H. Y., assignor to M. A. Everett, Renous Bridge, New Brunswick, Canada. Tool-guiding device. No. 884,374; Apr. 14; Sp. p. 1441; Dr. p. 307; Gaz. vol. 133; p. 1451.
- Everett, J. A., Natick, Mass. Safety-razor. No. 884,375; Apr. 14; Sp. p. 1443; Dr. p. 307; Gaz. vol. 133; p. 1451.
- Everett, J. H. D., Sault Ste. Marie, Mich. Cabinet. No. 895,007; Aug. 4; Sp. p. 474; Dr. p. 96; Gaz. vol. 135; p. 970.
- Everett, J. M. (See Webster, B., assignor.)
- Everett, K. N. (See Cupp and Everett.)
- Everett, M. A. (See Everett, H. Y., assignor.)
- Everett, W. P., Hornbeck, La. Fly-trap. No. 885,592; Apr. 21; Sp. p. 3945; Dr. p. 824; Gaz. vol. 133; p. 1875.
- Everett, W. P., Hornbeck, La. Fly-trap. No. 888,857; Sept. 15; Sp. p. 3217; Dr. p. 689; Gaz. vol. 136; p. 585.
- Everett, W. R., and E. J. Newton, Chicago, Ill. Pole-shoe. No. 897,824; Sept. 1; Sp. p. 1186; Dr. p. 251; Gaz. vol. 136; p. 188.
- Everette, W. E., Tacoma, Wash. Insulating material. No. 901,332; Oct. 20; Sp. p. 2613; Gaz. vol. 136; p. 1545.
- Everette, W. E., Tacoma, Wash. Smelting ores, mattes, and metals for armor-plate, rails, &c. No. 904,054; Nov. 17; Sp. p. 3081; Gaz. vol. 137; p. 560.
- Everhard, C. J., Cleveland, Ohio. Railway-tie and fastening. No. 891,237; June 23; Sp. p. 4160; Dr. p. 911; Gaz. vol. 134; p. 1814.
- Everhart, C. O., Girard, Ohio. Wrench. No. 883,704; Apr. 7; Sp. p. 58; Dr. p. 8; Gaz. vol. 133; p. 1202.
- Everhart, F., New York, N. Y. Animal-trap. No. 896,523; Aug. 18; Sp. p. 3484; Dr. p. 748; Gaz. vol. 135; p. 1512.
- Everingham, F. M., deceased; M. Everingham, executrix, East Onondaga, N. Y. Weeder attachment to cultivators. No. 881,566; Mar. 10; Sp. p. 2129; Dr. p. 464; Gaz. vol. 133; p. 388.
- Everingham, M., executrix. (See Everingham, F. M.)
- Everitt, W. (See Phelps and Glines, assignors.)
- Evers, F., assignor to Chemische Fabrik Reisholz Gesellschaft M. B. H., Reisholz, near Dusseldorf, Germany. Manufacture of artificial aromatic balsams. No. 880,641; Mar. 3; Sp. p. 305; Gaz. vol. 133; p. 54.
- Evershed, S., assignor to himself and Evershed and Vignoles Limited, London, England. Electric signaling apparatus. No. 877,311; Jan. 21; Sp. p. 3354; Dr. p. 727; Gaz. vol. 132; p. 611.
- Evershed, S., Chiswick, assignor to himself and Evershed and Vignoles Limited, London, England. Electrical transmission apparatus. No. 877,312; Jan. 21; Sp. p. 3357; Dr. pp. 727-8; Gaz. vol. 132; p. 612.
- Evershed and Vignoles. (See Evershed, S., assignor.)
- Evershed & Vignoles. (See Kilroy, W. D., assignor.)
- Everson, G. H., Pittsburg, Pa. Manufacture of compound tubes. No. 904,189; Nov. 17; Sp. p. 3387; Gaz. vol. 137; p. 609.
- Everstick Patents Company. (See Bowler, N. P., assignor.) (Reissue.)
- Everts, G. B. (See Everts, W. P. and G. B.)
- Everts, S. J., and J. E. Burris, Belt, Mont. Rotary air-compressor. No. 905,861; Dec. 8; Sp. p. 1486; Gaz. vol. 137; p. 1256.
- Everts, W. P., administrator. (See Everts, G. B. and W. P.)
- Everts, W. P., Salisbury, and G. B. Everts, deceased, Bridgeport, Conn.; W. P. Everts, administrator, assignor to said W. P. Everts, individually. Cushion-tire. No. 903,815; Nov. 10; Sp. p. 2565; Gaz. vol. 137; p. 448.
- Evertz, J. P., Sayre, Pa. Garment-fastener. No. 876,954; Jan. 21; Sp. p. 2611; Dr. p. 567; Gaz. vol. 132; p. 492.
- Evertz, O., Keytesville, Mo. Harness attachment. No. 890,972; June 16; Sp. p. 3641; Dr. p. 793; Gaz. vol. 134; p. 1697.
- Evrett, A. L., North Fort Worth, Tex. Wood-sawing machine. No. 886,195; Apr. 28; Sp. p. 5188; Dr. p. 1092; Gaz. vol. 133; p. 2103.
- Evslyn, L. E., assignor to Universal Interchangeable Tooth Company, Peoria, Ill. Artificial tooth. No. 907,326; Dec. 22; Sp. p. 4293; Gaz. vol. 137; p. 1791.
- Ewald & Company. (See Hasperg, A. von, assignor.)
- Ewart, W. I. (See Shoemaker, A. H., assignor.)
- Ewart, W. I. (See Shoemaker and Merrill, assignors.)
- Ewer, J. B., Chicago, Ill. Coffee-pot. No. 875,793; Jan. 7; Sp. p. 224; Dr. p. 49; Gaz. vol. 132; p. 41.
- Ewers, W. (See Dennis, W. P., assignor.)
- Ewing, E. J., and T. M. Snyder, Coraopolis, Pa. Nut-lock. No. 885,593; Apr. 21; Sp. p. 3946; Dr. p. 824; Gaz. vol. 133; p. 1875.
- Ewing, F. M. (See Davis, W. B., assignor.)
- Ewing, M., Sharon, Pa. Post-office separating-case. No. 880,132; Feb. 25; Sp. p. 4620; Dr. p. 974; Gaz. vol. 132; p. 1686.
- Ewing, T. A. (See Fairall and Ewing.)
- Excelsior Garden Tool Company. (See Baumgartner, E., assignor.)
- Excelsior Needle Company. (See Lamb, A. G., assignor.)
- Excelsior Shoe & Slipper Company. (See Schleifer, C. R., assignor.)
- Excelsior Stove & Manufacturing Company. (See Ohnemus, A., assignor.)
- Excelsior Supply Co. (See Meiser, G. H., assignor.)
- Excelsior Supply Company. (See Hoffer and Salkow, assignors.)
- Excelsior Wrapper Company. (See Hayssen, H., assignor.)
- Exley, D. G., Sacramento, Cal. Pleasure-boat. No. 888,983; May 26; Sp. p. 5369; Dr. p. 1139; Gaz. vol. 134; p. 958.
- Expansion Sprinkler Syndicate. (See Fiddes and Watt, assignors.)
- Export Cork and Seal Company. (See Koch, G., assignor.)
- Express Separator Emil G. Lind & Co. (See Sundberg, P. T., assignor.)
- Eyde, S. (See Birkeland and Eyde.)
- Eyer, I., assignor to Delaware Stamp Machine Company, Wilmington, Del. Stamping, dating, or numbering machine. No. 893,470; July 14; Sp. p. 2190; Dr. p. 460; Gaz. vol. 135; p. 387.
- Eyer, I., assignor to Delaware Stamp Machine Company, Wilmington, Del. Stamping, dating, or numbering machine. No. 904,120; Nov. 17; Sp. p. 3211; Gaz. vol. 137; p. 583.
- Eyermann, W. H., Wilmersdorf, near Berlin, Germany. Surface condenser. No. 890,417; June 9; Sp. p. 2465; Dr. p. 546; Gaz. vol. 134; p. 1481.
- Eyles, A. G., Pontiac, Ill. Chair. No. 880,206; Feb. 25; Sp. p. 4781; Dr. pp. 1011-12; Gaz. vol. 132; p. 1711.
- Eyles, A. G., Cedar Rapids, Iowa. Chair. No. 901,285; Oct. 13; Sp. p. 2512; Dr. p. 515; Gaz. vol. 136; p. 1495.
- Eynon, E., Jr., et al. (See Taylor, C. R., assignor.)
- Eynon, J., Philadelphia, Pa. Rolling-mill for crushing pipes, bloomings, &c. No. 879,616; Feb. 18; Sp. p. 3564; Dr. pp. 745-6; Gaz. vol. 132; p. 1485.
- Eynon, T., Chicago, Ill. Milling-cutter. No. 887,079; May 12; Sp. p. 1481; Dr. p. 314; Gaz. vol. 134; p. 272.
- Eyth, L. J. (See Walker and Eyth.)
- F. Wesel Manufacturing Company. (See Reverdy, C., assignor.)
- F. Wesel Manufacturing Company. (See Winter, H., assignor.)
- F. A. Hardy & Company. (See Allen, C. C., assignor.)
- F. C. Austin Drainage Excavator Company. (See Holcomb, A. E., assignor.)
- F. C. Austin Drainage Excavator Company. (See Jacobs, C. C., assignor.)
- F. C. Newell Mutograph Corporation. (See Newell, F. C., assignor.)
- F. E. Myers and Brother. (See Myers, P. A., assignor.)
- F. H. Ayer Manufacturing Company. (See Canedy, W. E., assignor.)
- F. I. A. T. Fabbrica Italiana Automobili Torino. (See Enrico, G., assignor.)
- F. I. A. T. Società Fabbrica Italiana Automobili-Torino. (See Enrico, G., assignor.)
- F. J. Johnston Circle Wave Amusement Co. (See Johnston, F. J., assignor.)
- Fabian, O. J., Philadelphia, Pa. Flush-tank. (Reissue.) No. 12,747; Feb. 4; Sp. p. 1219; Dr. p. 252; Gaz. vol. 132; p. 1045.
- Fabric Fire Hose Company. (See Alvord, C., assignor.)
- Fabrin, T. (See Fingal and Fabrin.)
- Fabrique de Vernis et Produits Chimiques (Société Anonyme). (See Terrisse, H., assignor.)
- Fadum, L., Hamburg, Germany. Clothes-hanger. No. 898,455; Sept. 15; Sp. p. 2459; Dr. p. 526; Gaz. vol. 136; p. 456.
- Faehrmann, J. M., Houston, Tex. Tourist's glass. No. 877,313; Jan. 21; Sp. p. 3362; Dr. p. 728; Gaz. vol. 132; p. 612.
- Faehrmann, J. M., Houston, Tex. Case for tourists' glasses. No. 905,063; Nov. 24; Sp. p. 5193; Gaz. vol. 137; p. 927.
- Faessler, J. W., Moberly, Mo. Boiler-tube expander. No. 898,202; Sept. 8; Sp. p. 1970; Dr. p. 420; Gaz. vol. 136; p. 342.
- Faessler, J. W., Moberly, Mo. Boiler-tube expander. No. 898,203; Sept. 8; Sp. p. 1971; Dr. p. 420; Gaz. vol. 136; p. 342.
- Faessler, J. W., Moberly, Mo. Apparatus for boiler-flue work. No. 906,865; Dec. 15; Sp. p. 3388; Gaz. vol. 137; p. 1604.
- Faessler, J. W., Moberly, Mo. Flue-cutter. No. 906,866; Dec. 15; Sp. p. 3389; Gaz. vol. 137; p. 1604.
- Fagan, C. E., Lebanon, N. H. Steam-trap. No. 896,815; Aug. 25; Sp. p. 4072; Dr. p. 876; Gaz. vol. 135; p. 1628.
- Fagan, J. T., assignor to National Electric Lamp Company, Cleveland, Ohio. Machine for heating glass tubes. No. 882,190; Mar. 17; Sp. p. 3417; Dr. p. 726; Gaz. vol. 133; p. 618.

Alphabetical list of patentees—Continued.

- Fagan, L. E., Minneapolis, Minn. Head for automatic fire-extinguishers. No. 882,629; Mar. 24; Sp. p. 4256; Dr. p. 901; Gaz. vol. 133; p. 795.
- Fagan, L. E., Minneapolis, Minn. Dry-pipe valve. No. 882,669; Mar. 24; Sp. p. 4331; Dr. pp. 921-2; Gaz. vol. 133; p. 808.
- Fagan, W., Englewood, S. D. Animal-trap. No. 899,722; Sept. 29; Sp. p. 4903; Dr. p. 1053; Gaz. vol. 136; p. 928.
- Fahey, D. C., *et al.* (See Bailey, C. H., assignor.)
- Fahl, C. D., Philadelphia, Pa. Trousers-creaser. No. 889,216; June 2; Sp. p. 61; Dr. p. 13; Gaz. vol. 134; p. 1066.
- Fahl, C. D., Philadelphia, Pa. Creaser for trousers. No. 902,808; Nov. 3; Sp. p. 527; Gaz. vol. 137; p. 92.
- Fahnestock, E. B., New York, N. Y. Connecting device for electrical conductors. No. 895,545; Aug. 11; Sp. p. 1549; Dr. p. 327; Gaz. vol. 135; p. 1174.
- Fahrney, A. G. (See Lovell and Fahrney.)
- Fahrney, W. H. (See Brace, L. H., assignor.)
- Fahrney, W. H., Chicago, Ill. Toy vehicle. No. 908,229; Dec. 29; Sp. p. 6225; Gaz. vol. 137; p. 2120.
- Failing, G., Tulsa, Okla. Bottle-washer. No. 876,706; Jan. 14; Sp. p. 2103; Dr. p. 458; Gaz. vol. 132; p. 372.
- Fair, J., Newport News, Va. Gearing. No. 889,514; June 2; Sp. p. 654; Dr. p. 151; Gaz. vol. 134; p. 1161.
- Fair, J. C., Denver, Colo. Game apparatus. No. 891,333; June 23; Sp. p. 4362; Dr. p. 950; Gaz. vol. 134; p. 1846.
- Fair, L., Liberty, Ky. Gearing. No. 897,963; Sept. 8; Sp. p. 1517; Dr. p. 322; Gaz. vol. 136; p. 268.
- Fair, P. W. (See Bassett, I. S., assignor.)
- Fairall, H. K. (See Fairall and Ewing.)
- Fairall, H. K. and H. L., Highland, Cal. Hinge. No. 902,809; Nov. 3; Sp. p. 529; Gaz. vol. 137; p. 92.
- Fairall, H. L. (See Fairall, H. K. and H. L.)
- Fairall, H. L. and H. K., and T. A. Ewing, Highland, Cal. Cake-turner. No. 892,237; June 30; Sp. p. 6182; Dr. p. 1332; Gaz. vol. 134; p. 2175.
- Fairbanks, J. G., Marion, Ohio. Engine-reversing valve. No. 880,642; Mar. 3; Sp. p. 306; Dr. pp. 67-8; Gaz. vol. 133; p. 54.
- Fairbanks, J. G., Marion, Ohio. Excavating-scraper. No. 880,643; Mar. 3; Sp. p. 308; Dr. p. 68; Gaz. vol. 133; p. 54.
- Fairbanks, J. G., Marion, Ohio. Excavator. No. 892,508; July 7; Sp. p. 235; Dr. p. 49; Gaz. vol. 135; p. 43.
- Fairbanks, J. W., Burlington, Iowa. Bung-splitter. No. 907,484; Dec. 22; Sp. p. 4620; Gaz. vol. 137; p. 1844.
- Fairbanks, Morse & Co. (See Stokes, A. G., assignor.)
- Fairbanks, Morse & Company. (See Kennedy, T. C., assignor.)
- Fairbanks, Morse & Company. (See Kennedy and Elder, assignors.)
- Fairbanks, Morse & Company. (See Winegar, A. J., assignor.)
- Fairbrother, G. L., Mystic, Conn. Rotary explosive-engine. No. 891,827; June 30; Sp. p. 5395; Dr. p. 1167; Gaz. vol. 134; p. 2041.
- Fairchild, A., Helmer, Mich. Wood-sawing machine. No. 879,376; Feb. 18; Sp. p. 3035; Dr. p. 632; Gaz. vol. 132; p. 1407.
- Fairchild, E. N., assignor of one-half to M. A. Lehman, Minneapolis, Minn. Heating system. No. 897,609; Sept. 1; Sp. p. 761; Dr. p. 160; Gaz. vol. 136; p. 120.
- Fairchild, O. H., assignor of two-thirds to W. A. Diboll, Denver, Colo. Automatically-operated filter. No. 884,914; Apr. 14; Sp. p. 2535; Dr. pp. 536-7; Gaz. vol. 133; p. 1626.
- Fairchild, R., Onawa, Iowa. Veterinary parturition instrument. No. 889,670; June 2; Sp. p. 949; Dr. p. 218; Gaz. vol. 134; p. 1211.
- Fairchild, W. H. (See Ferres and Fairchild.)
- Faires, E. J. (See Martin and Faires.)
- Faires, W. C., Jacksonville, Ohio. Sack-holder. No. 887,613; May 12; Sp. p. 2598; Dr. p. 548; Gaz. vol. 134; p. 448.
- Fairhall, J., Jr., Danville, Ill. Door check and closer. No. 893,991; July 21; Sp. p. 3371; Dr. p. 690; Gaz. vol. 135; p. 588.
- Fairhurst, I. J. D., Orfordville, Wis. Cover for pneumatic tires. No. 901,527; Oct. 20; Sp. p. 3071; Dr. p. 628; Gaz. vol. 136; p. 1613.
- Fairhurst, I. J. D., Orfordville, Wis. Antislipping tire-cover. No. 901,528; Oct. 20; Sp. p. 3072; Dr. p. 628; Gaz. vol. 136; p. 1614.
- Fairhurst, I. J. D., Orfordville, Wis. Tire-cover and fastening means therefor. No. 901,602; Oct. 20; Sp. p. 3213; Dr. p. 658; Gaz. vol. 136; p. 1637.
- Fairmount Electric and Manufacturing Company. (See Vogel, J. C., assignor.)
- Falco, H. L., New York, N. Y. Pantographic shifter. No. 906,209; Dec. 8; Sp. p. 2145; Gaz. vol. 137; p. 1368.
- Fales, E. D., assignor to Brown & Bigelow, St. Paul, Minn. Bill-file. No. 886,486; May 5; Sp. p. 286; Dr. p. 60; Gaz. vol. 134; p. 53.
- Fales & Jenks Machine Company. (See Foster, C. S., assignor.)
- Fales, L. F., Walpole, Mass. Shuttle-actuating mechanism for lock-stitch sewing-machines. No. 890,347; June 9; Sp. p. 2336; Dr. p. 515; Gaz. vol. 134; p. 1459.
- Fales, W. R., East Providence, and L. F. N. Baldwin, Providence, R. I. Separator. No. 907,762; Dec. 29; Sp. p. 5228; Gaz. vol. 137; p. 1965.
- Falk, B. J., New York, N. Y. Holder for viewing transparencies. No. 897,728; Sept. 1; Sp. p. 987; Dr. p. 210; Gaz. vol. 136; p. 159.
- Falk, F. A., and H. C. Anderson, Stacyville, Iowa. Gang-plow. No. 900,919; Oct. 13; Sp. p. 1811; Dr. p. 367; Gaz. vol. 136; p. 1378.
- Falk, J., *et al.* (See Ruse, C. L., assignor.)
- Falk, O. F., Belleville, N. J. Phonograph. No. 893,230; July 14; Sp. p. 1702; Dr. p. 359; Gaz. vol. 135; p. 308.
- Falkenberg, H. F. W., Dortmund, Germany. Oscillating motor. No. 879,091; Feb. 11; Sp. p. 4758; Dr. p. 514; Gaz. vol. 132; p. 1272.
- Falkenrath, A., assignor to Racine Metal Stamping Company, Racine, Wis. Screen-door spring-hinge. No. 900,501; Oct. 6; Sp. p. 931; Dr. p. 189; Gaz. vol. 136; p. 1213.
- Falkner, E. D., Cumberland, Wis. Mail-cart. No. 892,509; July 7; Sp. p. 237; Dr. pp. 49-50; Gaz. vol. 135; p. 44.
- Falkovsky, T., St. Petersburg, Russia. Automatic extinguisher. No. 891,530; June 23; Sp. p. 4758; Dr. p. 1030; Gaz. vol. 134; p. 1911.
- Fallek, N., Denver, Colo. Electrically-operated fender for street-railway cars. No. 881,115; Mar. 10; Sp. p. 1240; Dr. p. 267; Gaz. vol. 133; p. 240.
- Fallek, N., Denver, Colo. Controller-checking device for street-railway cars. No. 907,763; Dec. 29; Sp. p. 5230; Gaz. vol. 137; p. 1965.
- Faller, F. X., Chicago, Ill. Garment-stretcher. No. 892,510; July 7; Sp. p. 238; Dr. p. 50; Gaz. vol. 135; p. 44.
- Faller, J. M., Jacksonville, Fla. Railway-switch. No. 902,866; Nov. 3; Sp. p. 674; Gaz. vol. 137; p. 113.
- Faller, L. A., assignor of one-fourth to B. H. Stief Jewelry Co., Nashville, Tenn. Watch-barrel. No. 878,716; Feb. 11; Sp. p. 1755; Dr. p. 363; Gaz. vol. 132; p. 1154.
- Faller, L. A., assignor of one-fourth to Stief Jewelry Co., Nashville, Tenn. Watch-barrel. No. 886,196; Apr. 28; Sp. p. 5189; Dr. p. 1092; Gaz. vol. 133; p. 2104.
- Faller, O., Basel, Switzerland. Evaporator. No. 907,109; Dec. 15; Sp. p. 3828; Gaz. vol. 137; p. 1680.
- Falling, G. W., assignor to M. M. Freed, Montgomery, Ala. Sad-iron heater. No. 901,797; Oct. 20; Sp. p. 3645; Dr. p. 737; Gaz. vol. 136; p. 1702.
- Fallis, G. T., Los Angeles, Cal. Wave-motor. No. 884,080; Apr. 7; Sp. p. 825; Dr. p. 174; Gaz. vol. 133; p. 1325.
- Fallon, J., North Bay, Ontario, Canada. Angle-cock for air-brake systems. No. 893,614; July 21; Sp. p. 2517; Dr. p. 524; Gaz. vol. 135; p. 463.
- Fallows, E. H. (See Haring, W. H., assignor.)
- Fallows, E. H. (See Jones, H., assignor.)
- Fallows, E. H. (See Sargent, F. W., assignor.)
- Fallows, E. H. (See Thompson, J. S., assignor.)
- Fallows, E. H., trustee. (See Gallagher, J. D., assignor.)
- Falls, J. M. (See Williams and Falls.)
- Falls Machine Company. (See Joecken, P. J., assignor.)
- Fancher, C. J., and H. S. Parmelee, West Granby, Conn., assignors to Simplex Manufacturing Company, New York, N. Y. Envelop-sealing machine. No. 884,081; Apr. 7; Sp. p. 826; Dr. pp. 175-6; Gaz. vol. 133; p. 1326.
- Fancher, C. J., and H. S. Parmelee, West Granby, Conn., assignors to Simplex Manufacturing Company, New York, N. Y. Envelop-sealing machine. No. 884,082; Apr. 7; Sp. p. 837; Dr. pp. 176-7; Gaz. vol. 133; p. 1326.
- Fancher, R. I., Baldwinsville, N. Y. Flexible power-transmitting mechanism. No. 897,610; Sept. 1; Sp. p. 763; Dr. p. 161; Gaz. vol. 136; p. 120.
- Fanning, W. A., East Orange, N. J. Packaging-machine. No. 880,374; Feb. 25; Sp. p. 5099; Dr. pp. 1078-9; Gaz. vol. 132; p. 1766.
- Fanta, T., Chicago, Ill. Undershirt. No. 877,416; Jan. 21; Sp. p. 3549; Dr. p. 767; Gaz. vol. 132; p. 646.
- Fanton, H. B., Danbury, Conn. Riddle for fur-blowing machines. No. 900,993; Oct. 13; Sp. p. 1961; Dr. p. 399; Gaz. vol. 136; p. 1402.
- Faracchio, P., Philadelphia, Pa. Cigar-holder. No. 879,450; Feb. 18; Sp. p. 3214; Dr. p. 669; Gaz. vol. 132; p. 1431.
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Bauer, W., assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Deinet, J., assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Eichengrün, A., assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Engelmann, M., assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Günther and Hesse, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Heidenreich, C., assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Heidenreich and Martz, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Herre and Jaeckel, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Jaeckel, B., assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See König, W., assignor.)

Alphabetical list of patentees—Continued.

- Farbenfabriken vorm. Friedr. Bayer & Co. (See Lommel, W., assignor.)
 Farbenfabriken vorm. Friedr. Bayer & Co. (See Meyer, E., assignor.)
 Farbenfabriken vorm. Friedr. Bayer & Co. (See Toeffer, H., assignor.) (Reissue.)
 Farbenfabriken vorm. Friedr. Bayer & Co. (See Ulrich, M., assignor.)
 Farbenfabriken vorm. Friedr. Bayer & Co. (See Volkmann, P., assignor.)
 Farbenfabriken vorm. Friedr. Bayer & Co. (See Waldinger and Iserloth, assignors.)
 Farbenfabriken vorm. Friedr. Bayer & Co. (See Weiler, M., assignor.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See Bryk, E., assignor.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See Didier, L., assignor.)
 Farbwerke vorm. Meister Lucius & Brünig. (See Ehrlich and Bertheim, assignors.)
 Farbwerke vorm. Meister Lucius & Brünig. (See Einhorn, A., assignor.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See Ernst and Pretzell, assignors.)
 Farbwerke vorm. Meister, Lucius & Brünig. (See Homolka, B., assignor.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See Homolka and Welde, assignors.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See König, K., assignor.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See Müller and Otto, assignors.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See Schirmacher and Brunner, assignors.)
 Farbwerke vorm. Meister, Lucius & Brünig. (See Schirmacher and Deicke, assignors.)
 Farbwerke, vorm. Meister, Lucius and Brünig. (See Schirmacher and Landers, assignors.)
 Farbwerke vorm. Meister, Lucius & Brünig. (See Schirmacher and Leopold, assignors.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See Schmidt, A., assignor.)
 Farbwerke vorm. Meister, Lucius & Brünig. (See Schmidt and Bryk, assignors.)
 Farbwerke vorm. Meister Lucius & Brünig. (See Schmidt and Schwab, assignors.)
 Farbwerke, vorm. Meister, Lucius & Brünig. (See Schwerin, B., assignor.)
 Farbwerke vorm. Meister Lucius & Brünig. (See Wöschel, A., assignor.)
 Farby, H. J., Calumet, Mich. Curtain-pole. No. 887,614; May 12; Sp. p. 2599; Dr. p. 548; Gaz. vol. 134; p. 449.
 Faries, R., Jamesburg, N. J. Metal railway road-crossing. No. 886,487; May 5; Sp. p. 287; Dr. p. 60; Gaz. vol. 134; p. 53.
 Faries, R., Williamsport, assignor of one-half to J. Luppert, South Williamsport, Pa. Pressure indicator and regulator. No. 899,446; Sept. 22; Sp. p. 4327; Dr. p. 930; Gaz. vol. 136; p. 802.
 Faris, J. M., et al. (See Campbell, Faris, and Seigh.)
 Faris, J. W. B., Skidmore, Tex. Singe-register. No. 898,569; Sept. 15; Sp. p. 2681; Dr. p. 573; Gaz. vol. 136; p. 492.
 Faris, O. J., Cashmere, W. Va. Picture-hanger. No. 897,969; Sept. 8; Sp. p. 1518; Dr. p. 322; Gaz. vol. 136; p. 268.
 Faris, W. D., assignor of one-half to F. B. Chapin, Medicine Lodge, Kans. Clamp. No. 876,160; Jan. 7; Sp. p. 923; Dr. p. 199; Gaz. vol. 132; p. 157.
 Fariss, G. E., Noblesville, Ind. Sample-displaying apparatus. No. 906,210; Dec. 8; Sp. p. 2150; Gaz. vol. 137; p. 1368.
 Farley, A. F. (See Sole, Farley, and Mackle.)
 Farley, J., Waukesha, Wis. Planter. No. 875,794; Jan. 7; Sp. p. 225; Dr. p. 49; Gaz. vol. 132; p. 41.
 Farley, J. K., Jr., Chicago, Ill., assignor to National Candy Company, Jersey City, N. J. Package for confections and other small articles. No. 894,263; July 28; Sp. p. 3958; Dr. p. 815; Gaz. vol. 135; p. 698.
 Farley, J. V. (See O'Brien, J., assignor.)
 Farley, J. W., Cleveland, Ohio. Ventilating device. No. 904,767; Nov. 24; Sp. p. 4604; Gaz. vol. 137; p. 829.
 Farley, T. M., Dixon, Ill. Perforating device for music-sheets. No. 903,963; Nov. 17; Sp. p. 2902; Gaz. vol. 137; p. 530.
 Farley, W. T., Newton, Mass. Railway-rail. No. 891,415; June 23; Sp. p. 4528; Dr. p. 985; Gaz. vol. 134; p. 1873.
 Farm Motor Company. (See Glascock, A. E., assignor.)
 Farm Motor Company. (See Schroeder, G. G., assignor.)
 Farman, W., Philadelphia, assignor of two-thirds to J. F. Valentine, Woodlyn, Pa. Carpet-cleaning machine. No. 876,446; Jan. 14; Sp. p. 1533; Dr. p. 330; Gaz. vol. 132; p. 282.
 Farmer, A. J., Detroit, Mich. Paper for use in type-written work to obtain manifold copies. No. 878,717; Feb. 11; Sp. p. 1756; Dr. p. 363; Gaz. vol. 132; p. 1155.
 Farmer, A. J., Detroit, Mich. Bottle. No. 881,886; Mar. 10; Sp. p. 2781; Dr. p. 597; Gaz. vol. 133; p. 491.
 Farmer, A. J., Detroit, Mich. Copying-cloth for type-writer platens. No. 889,918; June 9; Sp. p. 1437; Dr. p. 325; Gaz. vol. 134; p. 1316.
 Farmer, A. R., assignor to J. M. Pineau, Braintree, Mass. Safety gas-burner. No. 908,230; Dec. 29; Sp. p. 6226; Gaz. vol. 137; p. 2120.
 Farmer, F. E., assignor to Morgan Engineering Company, Alliance, Ohio. Automatic brake for hoisting-machines. No. 905,679; Dec. 1; Sp. p. 1123; Gaz. vol. 137; p. 1165.
 Farmer, L. C., assignor of one-half to W. A. Mather, Minneapolis, Minn. Measure. No. 876,339; Jan. 14; Sp. p. 1298; Dr. p. 281; Gaz. vol. 132; p. 246.
 Farmer, W., Grand Forks, British Columbia, Canada. Mail-delivery device. No. 903,278; Nov. 10; Sp. p. 1490; Gaz. vol. 137; p. 275.
 Farnell, F. C., assignor of one-third to C. F. Hunter and one-third to T. N. Camfield, Los Angeles, Cal. Water-filter. No. 903,070; Nov. 3; Sp. p. 1082; Gaz. vol. 137; p. 176.
 Farner, E. N., Clay Center, Nebr. Automatic heat-regulator. No. 906,698; Dec. 15; Sp. p. 3053; Gaz. vol. 137; p. 1550.
 Farner, F. J., assignor of one-half to J. J. Murray, Seattle, Wash. Bottle-stopper. No. 890,506; June 9; Sp. p. 2630; Dr. p. 582; Gaz. vol. 134; p. 1509.
 Farnham, E. W., assignor to A. G. Mills, Chicago, Ill. Support for electric contact-shoes. No. 886,319; Apr. 28; Sp. p. 5438; Dr. p. 1140; Gaz. vol. 133; p. 2146.
 Farnham, F. E., Providence, R. I. Collar-supporter. No. 896,367; Aug. 18; Sp. p. 3168; Dr. p. 680; Gaz. vol. 135; p. 1459.
 Farnham, F. E., Rumford Falls, Me. Lifting-jack. No. 899,161; Sept. 22; Sp. p. 3799; Dr. p. 813; Gaz. vol. 136; p. 712.
 Farnham, F. G., Honesdale, Pa. Device for manipulating glass articles. No. 881,913; Mar. 17; Sp. p. 2856; Dr. pp. 609-10; Gaz. vol. 133; p. 528.
 Farnham, F. G., Honesdale, Pa. Device for manipulating glass articles. No. 881,914; Mar. 17; Sp. p. 2859; Dr. p. 610; Gaz. vol. 133; p. 529.
 Farnham, F. G., Honesdale, Pa. Protecting the inside of vessels during ornamentation. No. 881,915; Mar. 17; Sp. p. 2862; Dr. p. 610; Gaz. vol. 133; p. 529.
 Farnham, F. G., Honesdale, Pa. Billiard and pool bridge. No. 898,345; Sept. 8; Sp. p. 2225; Dr. p. 473; Gaz. vol. 136; p. 386.
 Farnham, F. G., Honesdale, Pa. Device for manipulating cut-glass articles. No. 903,071; Nov. 3; Sp. p. 1082; Gaz. vol. 137; p. 176.
 Farnham, F. G., Honesdale, Pa. Device for manipulating cut-glass articles. No. 903,072; Nov. 3; Sp. p. 1084; Gaz. vol. 137; p. 177.
 Farnham, O. T., East Greenwich, R. I. Liquid measuring and transferring tube. No. 898,456; Sept. 15; Sp. p. 2460; Dr. p. 526; Gaz. vol. 136; p. 456.
 Farnham, P. W. (See Adams, H. W., assignor.)
 Farnham, S. H., Chicago, Ill., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 884,915; Apr. 14; Sp. p. 2540; Dr. pp. 537-9; Gaz. vol. 133; p. 1626.
 Farnham, W. H., Malden, assignor to Middlesex Last Company, Boston, Mass. Tree or former for shoes. No. 907,020; Dec. 15; Sp. p. 3557; Gaz. vol. 137; p. 1652.
 Farnoff, H., assignor to A. Wind and C. K. Ernst, Buffalo, N. Y. Auxiliary pressure-regulator for gas-burners. No. 884,012; Apr. 7; Sp. p. 696; Dr. p. 140; Gaz. vol. 133; p. 1304.
 Farnsworth, F. H. (See Higgins, S. W., assignor.)
 Farnsworth, W., Nottingham, England. Safety appliance for lifts. No. 907,021; Dec. 15; Sp. p. 3659; Gaz. vol. 137; p. 1652.
 Farnum, D., and C. R. Anderson, Denver, Colo. Machine for aging and agitating whisky. No. 876,534; Jan. 14; Sp. p. 1726; Dr. p. 375; Gaz. vol. 132; p. 313.
 Farnum, W. C., Arlington, Vt., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 902,525; Oct. 27; Sp. p. 5164; Dr. pp. 1046-7; Gaz. vol. 136; p. 1969.
 Farnum, W. C., Arlington, Vt., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 904,055; Nov. 17; Sp. p. 3082; Gaz. vol. 137; p. 560.
 Farnum, W. C., Arlington, Vt., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 904,688; Nov. 24; Sp. p. 4420; Gaz. vol. 137; p. 802.
 Farnum, W. C., Arlington, Vt., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 906,699; Dec. 15; Sp. p. 3054; Gaz. vol. 137; p. 1550.
 Faro, A. L., New York, N. Y. Burglar-alarm box. No. 880,981; Mar. 3; Sp. p. 993; Dr. p. 213; Gaz. vol. 133; p. 168.
 Farquhar, D. (See Henn and Farquhar.)
 Farquhar, E. H., Schenectady, N. Y., assignor to General Electric Company. Manufacturing turbine-buckets. No. 901,960; Oct. 27; Sp. p. 3952; Dr. p. 807; Gaz. vol. 136; p. 1784.
 Farquhar, E. H., Schenectady, N. Y., assignor to General Electric Company. Bucket for turbines. No. 901,961; Oct. 27; Sp. p. 3955; Dr. p. 808; Gaz. vol. 136; p. 1785.

Alphabetical list of patentees—Continued.

- Farquhar, E. H., Schenectady, N. Y., assignor to General Electric Company. Apparatus for manufacturing turbine-buckets. No. 902,526; Oct. 27; Sp. p. 5179; Dr. p. 1047; Gaz. vol. 136; p. 1970.
- Farquhar, E. H., Schenectady, N. Y., assignor to General Electric Company. Discharging device for turbines. No. 903,279; Nov. 10; Sp. p. 1491; Gaz. vol. 137; p. 275.
- Farr, A. L., Stonington, Me. Search-light for submarine observation. No. 895,355; Aug. 4; Sp. p. 1157; Dr. p. 242; Gaz. vol. 135; p. 1087.
- Farr, H. G., Melrose Highlands, Mass. Self-lubricating trolley-wheel. No. 877,558; Jan. 28; Sp. p. 3856; Dr. p. 834; Gaz. vol. 132; p. 713.
- Farr, H. G., Melrose Highlands, Mass. Trolley-support. No. 895,993; Aug. 11; Sp. p. 2441; Dr. p. 524; Gaz. vol. 135; p. 1318.
- Farr, J. B., Independence, Mo. Take-up mechanism for sewing-machines. No. 894,375; July 28; Sp. p. 4183; Dr. p. 863; Gaz. vol. 135; p. 733.
- Farr, J. D., Monroe, Ga. Destructible link or automatic fire-extinguisher. No. 900,673; Oct. 6; Sp. p. 1290; Dr. p. 263; Gaz. vol. 136; p. 1271.
- Farr, J. D., Monroe, Ga. Automatic fire-extinguishing apparatus. No. 900,840; Oct. 13; Sp. p. 1646; Dr. p. 333; Gaz. vol. 136; p. 1353.
- Farr, J. W., Chicago, Ill. Tile. No. 894,489; July 28; Sp. p. 4418; Dr. p. 913; Gaz. vol. 135; p. 774.
- Farr, L. C. (See Hansen, H. K., assignor.)
- Farra, E. S., assignor to M. Achfeldt, New York, N. Y. Foot appliance. No. 892,412; July 7; Sp. p. 41; Dr. p. 11; Gaz. vol. 135; p. 11.
- Farra, J. M., Lancaster, Ky. Rail tie and fastener. No. 899,390; Sept. 22; Sp. p. 4227; Dr. p. 905; Gaz. vol. 136; p. 784.
- Farrand Company. (See Hintz, O. F., assignor.)
- Farrand Company. (See Publow, W. J., assignor.)
- Farrand, H. A., assignor to Kinetophone Display Company, New York, N. Y. Picture-display machine. No. 881,916; Mar. 17; Sp. p. 2863; Dr. p. 611; Gaz. vol. 133; p. 529.
- Farrand Organ Company. (See Courville, J., assignor.)
- Farrand Organ Company. (See Draper, F. W., assignor.)
- Farrand Organ Company. (See Mack, G. E., assignor.)
- Farrand Organ Company. (See Whitehead, A. E., assignor.)
- Farrar, J., Halifax, England. Spinning, drawing, roving, and like frame. No. 880,068; Feb. 25; Sp. p. 4508; Dr. p. 947; Gaz. vol. 132; p. 1666.
- Farrar, W. S., Burlington, Iowa. Halter. No. 904,321; Nov. 17; Sp. p. 3680; Gaz. vol. 137; p. 654.
- Farrell, B. H., Deadwood, S. D. Waiter's cabinet. No. 877,065; Jan. 21; Sp. p. 2844; Dr. p. 614; Gaz. vol. 132; p. 530.
- Farrell, B. H., Deadwood, S. D., assignor to Farrell Cabinet & System Company. Waiter's cabinet. No. 891,155; June 16; Sp. p. 3954; Dr. pp. 867-8; Gaz. vol. 134; p. 1753.
- Farrell, B. J. (See Quackenboss and Farrell.)
- Farrell Cabinet & System Company. (See Farrell, B. H., assignor.)
- Farrell, D. M., *et al.* (See White, K. H., assignor.)
- Farrell, G. A., Chicago, Ill. Speed-boat. No. 879,860; Feb. 25; Sp. p. 4078; Dr. p. 855; Gaz. vol. 132; p. 1598.
- Farrell, H. C., Buffalo, N. Y. Gate-valve. No. 904,056; Nov. 17; Sp. p. 3088; Gaz. vol. 137; p. 561.
- Farrell, J., Waynesburg, Pa. Rail-joint. No. 896,716; Aug. 25; Sp. p. 3849; Dr. p. 832; Gaz. vol. 135; p. 1594.
- Farrell, J., Waynesburg, Pa. Rail-joint and brace. No. 903,460; Nov. 10; Sp. p. 1839; Gaz. vol. 137; p. 334.
- Farrell, J. W. (See Leavenworth and Farrell.)
- Farrell, M., *et al.* (See Jacoby, C. A., assignor.)
- Farrell, R. J., assignor of one-half to E. A. Armbruster, Chicago, Ill. Pipe-fitting. No. 903,280; Nov. 10; Sp. p. 1493; Gaz. vol. 137; p. 275.
- Farrell, S. A. (See Ryan, J. B., assignor.)
- Farrell, T. M. (See Whitehead, J. B., assignor.)
- Farrell, W. D., Ottumwa, Iowa. Hog grapple and conveyer. No. 899,391; Sept. 22; Sp. p. 4229; Dr. p. 905; Gaz. vol. 136; p. 785.
- Farrell, W. E., and F. L. Hall, Columbus, Ohio. Angle-cock. No. 893,912; July 21; Sp. p. 3199; Dr. p. 659; Gaz. vol. 135; p. 562.
- Farrell, W. J., Johnstown, N. Y. Cigar-box and lid. No. 902,140; Oct. 27; Sp. p. 4325; Dr. p. 876; Gaz. vol. 136; p. 1841.
- Farren, R., Cleveland, Ohio. Water-heater. No. 890,130; June 9; Sp. p. 1871; Dr. p. 414; Gaz. vol. 134; p. 1388.
- Farrier, L. H., North Tarrytown, N. Y. Multiple boring and turning mill. No. 905,680; Dec. 1; Sp. p. 1125; Gaz. vol. 137; p. 1165.
- Farrington, C. O. (See Hill and Farrington.)
- Farrington, J. W., Alba, Tex. Plow. No. 881,391; Mar. 10; Sp. p. 1802; Dr. p. 389; Gaz. vol. 133; p. 331.
- Farrington, W. S., and A. H. Van Denburg, Syracuse, N. Y. Packing for pipe-joints. No. 907,136; Dec. 22; Sp. p. 3906; Gaz. vol. 137; p. 1725.
- Farris, H. C., Quitman, Tex. Harrow-cultivator. No. 896,816; Aug. 25; Sp. p. 4074; Dr. pp. 876-7; Gaz. vol. 135; p. 1629.
- Farris, H. D., and A. C. Jex, Wetaskiwin, Alberta, Canada. Blasting-powder. No. 891,334; June 23; Sp. p. 4365; Gaz. vol. 134; p. 1846.
- Farris, L. W., Kansas City, Mo. Garment stay and fastener. No. 880,287; Feb. 25; Sp. p. 4955; Dr. p. 1047; Gaz. vol. 132; p. 1739.
- Farrow, J., Covington, Ky., assignor of one-half to G. Rowe and J. A. Trunnell, Cincinnati, Ohio. Veneer-sawing machine. No. 879,451; Feb. 18; Sp. p. 3214; Dr. p. 669; Gaz. vol. 132; p. 1431.
- Farugia, J. P. (See Sasso and Farugia.)
- Farwell, G. D. (See Gravell and Farwell.)
- Farwell, P. C. (See Gravell and Farwell, assignors.)
- Fasig, A., Jersey City, N. J., assignor to Mark Cross Company, New York, N. Y. Buckle. No. 903,554; Nov. 10; Sp. p. 2047; Gaz. vol. 137; p. 366.
- Fasold, D., Keswick, Iowa. Gate. No. 894,319; July 28; Sp. p. 4073; Dr. p. 841; Gaz. vol. 135; p. 718.
- Fass, H. (See Herbst, Fass, and Shank.)
- Fatland, C., Slater, Iowa. Combined ladder, step-ladder, and scaffold. No. 896,286; Aug. 18; Sp. p. 2998; Dr. p. 645; Gaz. vol. 135; p. 1434.
- Faucette, C. C., Searcy, Ark. Corner-piece for picture-frames. No. 884,083; Apr. 7; Sp. p. 846; Dr. p. 178; Gaz. vol. 133; p. 1326.
- Faughnan, E. L. (See Faughnan, T. A. and E. L.)
- Faughnan, T. A. and E. L., Elizabeth, N. J. Dumping bed or body for vehicles. No. 888,601; May 26; Sp. p. 4571; Dr. p. 969; Gaz. vol. 134; p. 835.
- Faughnder, R. H., assignor of one-half to C. Pearson and G. Bustetter, Sidney, Ohio. Shield for tires. No. 892,948; July 7; Sp. p. 1126; Dr. p. 236; Gaz. vol. 135; p. 188.
- Faulkner, J. H. (See Daffinger, C. A., assignor.)
- Faulkner, J. J. (See Brangier and Faulkner.)
- Faulkner, W. E. (See Keith and Faulkner.)
- Faust, A., Pittsburg, Pa. Burglar-alarm. No. 881,674; Mar. 10; Sp. p. 2351; Dr. p. 509; Gaz. vol. 133; p. 422.
- Faust, L., and W. A. Brolin, Rockford, Ill. Furniture. (Reissue.) No. 12,837; Aug. 4; Sp. p. 1264; Dr. p. 266; Gaz. vol. 135; p. 1105.
- Faust, L., and W. A. Brolin, assignors of one-half to K. E. Knutsson and C. J. Swenson, Rockford, Ill. Furniture. (Reissue.) No. 12,905; Dec. 29; Sp. p. 6663; Gaz. vol. 137; p. 2194.
- Faust, M., Berlin, Germany. Collapsible tube and the like. No. 897,970; Sept. 8; Sp. p. 1519; Dr. p. 322; Gaz. vol. 136; p. 269.
- Faust, W. H., *et al.* (See Rice, P. F., assignor.)
- Fauth, C. E., Chicago, Ill. Piano. No. 892,511; July 7; Sp. p. 241; Dr. p. 50; Gaz. vol. 135; p. 44.
- Faverio, L., Westely, R. I., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 902,571; Nov. 3; Sp. p. 74; Gaz. vol. 137; p. 13.
- Faverty, A. C. (See Faverty and Peterson, assignors.)
- Faverty, W. N., and V. J. Peterson; said Peterson assignor to A. C. Faverty, Tilford, S. D. Gate-fastener. No. 884,269; Apr. 7; Sp. p. 1225; Dr. p. 258; Gaz. vol. 133; p. 1387.
- Favreau, W., New York, N. Y. Slotting-machine. No. 881,064; Mar. 3; Sp. p. 1140; Dr. pp. 246-7; Gaz. vol. 133; p. 194.
- Fawcett, E. C., and A. McKillop, Lake City, Colo. Sack-fastener. No. 905,681; Dec. 1; Sp. p. 1127; Gaz. vol. 137; p. 1166.
- Fawcett, I., Minneapolis, Minn. Heating-drum. No. 880,644; Mar. 3; Sp. p. 310; Dr. p. 68; Gaz. vol. 133; p. 55.
- Fawell, J., Pittsburg, Pa. Feed-table for rolling-mills. No. 895,621; Aug. 11; Sp. p. 1693; Dr. pp. 358-9; Gaz. vol. 135; p. 1197.
- Fawell, J., Pittsburg, Pa. Table for rolling-mills, &c. No. 895,622; Aug. 11; Sp. p. 1694; Dr. pp. 359-60; Gaz. vol. 135; p. 1198.
- Fawkes, J. H., Detroit, Mich. Air-cushion for horseshoes. No. 895,994; Aug. 11; Sp. p. 2443; Dr. p. 524; Gaz. vol. 135; p. 1318.
- Fawns, K. E., and G. Kermode, Ross, Tasmania, Australia. Coin freed or operated machine for vending postage-stamps, tickets, &c. No. 878,787; Feb. 11; Sp. p. 1892; Dr. p. 390; Gaz. vol. 132; p. 1177.
- Fax, J. S., Wilkensburg, Pa. Illusion toy. No. 904,121; Nov. 17; Sp. p. 3218; Gaz. vol. 137; p. 584.
- Fay, A., Louisville, Ky. Cream and butter separator. No. 877,066; Jan. 21; Sp. p. 2846; Dr. p. 614; Gaz. vol. 132; p. 531.
- Fay, A., Louisville, Ky. Treating milk or cream and butter. No. 897,277; Sept. 1; Sp. p. 26; Gaz. vol. 136; p. 7.
- Fay, F. T., Woodhull, Ill. Automatic gate. No. 889,591; June 2; Sp. p. 796; Dr. p. 182; Gaz. vol. 134; p. 1186.
- Fay, G. F., Athens, Pa. Article-holder. No. 892,238; June 30; Sp. p. 6183; Dr. p. 1332; Gaz. vol. 134; p. 2175.
- Fay, H. L., Herkimer, N. Y. Door or drawer securer. No. 884,141; Apr. 7; Sp. p. 1001; Dr. p. 209; Gaz. vol. 133; p. 1346.
- Fay, J. L., St. Louis, Mo. Insulator and wire-clamp. No. 894,616; July 28; Sp. p. 4668; Dr. p. 969; Gaz. vol. 135; p. 815.
- Fay, T. J., New York, N. Y., and J. M. Ellsworth, Bernardsville, N. J. Spring-support. No. 901,162; Oct. 13; Sp. p. 2267; Dr. p. 462; Gaz. vol. 136; p. 1455.

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- Fay, W. G., Pelham, N. Y. Eyeglass-mount. No. 907,764; Dec. 29; Sp. p. 5235; Gaz. vol. 137; p. 1966.
- Fayette R. Plumb. (See Bascom, C. P., assignor.)
- Feagler, C., Garrett, Ind. Reamer. No. 892,585; July 7; Sp. p. 367; Dr. p. 80; Gaz. vol. 135; p. 68.
- Fearon, J. J., assignor of one-fourth to J. Conley, Philadelphia, Pa. Machine for cutting strips of packing. No. 894,617; July 28; Sp. p. 4670; Dr. pp. 969-70; Gaz. vol. 135; p. 815.
- Feary, C. H. and D. H., Guthrie, Okla. Cotton-picker. No. 882,458; Mar. 17; Sp. p. 3902; Dr. p. 834; Gaz. vol. 133; p. 705.
- Feary, D. H. (See Feary, C. H. and D. H.)
- Feaser, J. M., *et al.* (See Bailey, C. H., assignor.)
- Feaster, E. B., Kansas City, Mo. Cable fastener or clamp. No. 900,717; Oct. 13; Sp. p. 1384; Dr. p. 282; Gaz. vol. 136; p. 1312.
- Featherstone, M. E., St. Elmo, Ill. Brush. No. 879,754; Feb. 18; Sp. p. 3829; Dr. p. 802; Gaz. vol. 132; p. 1530.
- Fechner, A. H. (See Fechner, W. and A. H.)
- Fechner, W. and A. H., Goliad, Tex. Block-signaling device. No. 900,360; Oct. 6; Sp. p. 597; Dr. pp. 123-4; Gaz. vol. 136; p. 1167.
- Fecker, J. H., and C. C. Jelleff, Piqua, Ohio. Hand-bellows. No. 878,367; Feb. 4; Sp. p. 959; Dr. p. 192; Gaz. vol. 132; p. 1004.
- Fedders, T. C., Buffalo, N. Y. Radiator for cooling liquids. No. 881,392; Mar. 10; Sp. p. 1802; Dr. pp. 389-90; Gaz. vol. 133; p. 331.
- Federal Can Company, of Caroline County. (See Smith, H. K., assignor.)
- Federal Cigar Company. (See Lipscomb and Andrews, assignors.)
- Federal Ice Company of New York. (See Holden, D. L., assignor.)
- Federal Signal Company. (See Griffith, L., assignor.)
- Fee, P., Providence, R. I. Registering attachment for pressure-gages. No. 877,314; Jan. 21; Sp. p. 3364; Dr. p. 729; Gaz. vol. 132; p. 612.
- Fee, R. E., Marion, Ind. Fly-paper holder. No. 889,919; June 9; Sp. p. 1439; Dr. p. 325; Gaz. vol. 134; p. 1317.
- Fee, S. R., New York, N. Y. Cleaning and polishing composition. No. 886,786; May 5; Sp. p. 928; Gaz. vol. 134; p. 152.
- Feeley, J. F., Bigtimber, Mont. Third-rail electric-railway system. No. 889,448; June 2; Sp. p. 515; Dr. p. 122; Gaz. vol. 134; p. 1141.
- Feely, W. C., New York, N. Y. Invalid-bed with commode attachment. No. 892,817; July 7; Sp. p. 831; Dr. pp. 177-8; Gaz. vol. 135; p. 142.
- Fegert, O. T., Savannah, Mo. Machine for shaping and sharpening disks. No. 903,365; Nov. 10; Sp. p. 1655; Gaz. vol. 137; p. 303.
- Fegley, T. J., assignor to North Brothers Manufacturing Company, Philadelphia, Pa. Ice-cream freezer. No. 882,936; Mar. 24; Sp. p. 4875; Dr. p. 1035; Gaz. vol. 133; p. 896.
- Fegley, T. J., assignor to North Bros. M'fg Co., Philadelphia, Pa. Screw-eye driver. No. 882,937; Mar. 24; Sp. p. 4877; Dr. p. 1035; Gaz. vol. 133; p. 897.
- Fegley, T. J., assignor to North Bros. M'fg Co., Philadelphia, Pa. Detachable-blade screw-driver. No. 902,387; Oct. 27; Sp. p. 4844; Dr. p. 980; Gaz. vol. 136; p. 1921.
- Fehler, R., Milwaukee, Wis. Brush-holder. No. 877,990; Feb. 4; Sp. p. 187; Dr. p. 41; Gaz. vol. 132; p. 880.
- Fehr, W., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Metal-swaging machine. No. 877,315; Jan. 21; Sp. p. 3366; Dr. p. 729; Gaz. vol. 132; p. 613.
- Feicht, R. S., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 876,955; Jan. 21; Sp. p. 2613; Dr. p. 567; Gaz. vol. 132; p. 493.
- Feick, L. (See Gordnier, F. E., assignor.)
- Feige, A. (See Verley, Urbain, and Feige.)
- Feighan, W. C., Philadelphia, Pa. Self-locking attachment for angle-cocks. No. 878,368; Feb. 4; Sp. p. 960; Dr. pp. 192-3; Gaz. vol. 132; p. 1005.
- Feightner, L. E. (See Wall and Feightner.)
- Feightner, L. E., assignor to Lima Locomotive and Machine Company, Lima, Ohio. Locomotive-crank-shaft bracket. No. 879,617; Feb. 18; Sp. p. 3565; Dr. p. 746; Gaz. vol. 132; p. 1485.
- Feightner, L. E., assignor to Lima Locomotive and Machine Company, Lima, Ohio. Valve-gear. No. 895,995; Aug. 11; Sp. p. 2444; Dr. p. 525; Gaz. vol. 135; p. 1319.
- Feild, A. J., assignor to American Box and Veneer Company, Raleigh, N. C. Tobacco box or caddy. No. 878,195; Feb. 4; Sp. p. 626; Dr. p. 128; Gaz. vol. 132; p. 948.
- Fein, N., New York, N. Y. Buckle. No. 897,360; Sept. 1; Sp. p. 244; Dr. p. 50; Gaz. vol. 136; p. 36.
- Feindt, H. A., Jr., Philadelphia, Pa. Spacing-table. No. 897,199; Aug. 25; Sp. p. 4870; Dr. p. 1036; Gaz. vol. 135; p. 1754.
- Feinenburg, J., Solingen, Germany. Scissors. No. 891,238; June 23; Sp. p. 4161; Dr. p. 911; Gaz. vol. 134; p. 1814.
- Feinenburg, J., Solingen, Germany. Scissors. No. 895,444; Aug. 11; Sp. p. 1411; Dr. p. 283; Gaz. vol. 135; p. 1140.
- Feiner, E. J. (See Hamann, R. W., assignor.)
- Feinstein, L., New York, N. Y. Metal fly-protector for shoes. No. 907,584; Dec. 22; Sp. p. 4828; Gaz. vol. 137; p. 1876.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 878,196; Feb. 4; Sp. p. 627; Dr. p. 129; Gaz. vol. 132; p. 948.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 880,375; Feb. 25; Sp. p. 5100; Dr. p. 1079; Gaz. vol. 132; p. 1767.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 882,104; Mar. 17; Sp. p. 3248; Dr. pp. 690-1; Gaz. vol. 133; p. 591.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 890,037; June 9; Sp. p. 1687; Dr. p. 375; Gaz. vol. 134; p. 1357.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 895,996; Aug. 11; Sp. p. 2446; Dr. pp. 525-6; Gaz. vol. 135; p. 1319.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 896,096; Aug. 18; Sp. p. 2625; Dr. p. 568; Gaz. vol. 135; p. 1373.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 898,635; Sept. 15; Sp. p. 2814; Dr. pp. 601-2; Gaz. vol. 136; p. 514.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 898,636; Sept. 15; Sp. p. 2821; Dr. pp. 602-3; Gaz. vol. 136; p. 514.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 902,572; Nov. 3; Sp. p. 76; Gaz. vol. 137; p. 13.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 903,461; Nov. 10; Sp. p. 1840; Gaz. vol. 137; p. 334.
- Felbel, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 904,689; Nov. 24; Sp. p. 4427; Gaz. vol. 137; p. 803.
- Felbinger, F., Milwaukee, Wis., and A. E. Cafmeyer, Chicago, Ill. Fluid-compressor. No. 893,913; July 21; Sp. p. 3200; Dr. p. 659; Gaz. vol. 135; p. 562.
- Feldkamp, F. A., Newark, assignor of one-half to H. Berg, Orange Valley, N. J. Sparking igniter for explosive-gas engines. No. 892,037; June 30; Sp. p. 5794; Dr. p. 1247; Gaz. vol. 134; p. 2109.
- Feldkamp, F. A., Newark, assignor of one-half to H. Berg, Orange Valley, N. J. System for the ignition of the gaseous mixtures in explosive-gas engines. No. 892,038; June 30; Sp. p. 5799; Dr. pp. 1247-8; Gaz. vol. 134; p. 2109.
- Feldmann, C., Delft, Netherlands, and J. Herzog, Budapest, Austria-Hungary. Means of obviating the deleterious effects of oscillations. No. 898,858; Sept. 15; Sp. p. 3219; Dr. p. 690; Gaz. vol. 136; p. 586.
- Felger, G. F., *et al.* (See Gray, H. M., assignor.)
- Felio, H. L. (See Buckman, E. A., assignor.)
- Felix, A. A., New York, N. Y. Graphoscope. No. 902,063; Oct. 27; Sp. p. 4179; Dr. p. 846; Gaz. vol. 136; p. 1817.
- Felix, A. A., assignor to S. Friedman and A. Mayer, New York, N. Y. Belt-buckle attachment. No. 892,949; July 7; Sp. p. 1127; Dr. p. 236; Gaz. vol. 135; p. 188.
- Felix, D., Glasgow, Scotland. Shaving-brush. No. 890,348; June 9; Sp. p. 2338; Dr. p. 516; Gaz. vol. 134; p. 1459.
- Felkey, J., Bemidji, Minn. Car-stake. No. 880,982; Mar. 3; Sp. p. 995; Dr. p. 213; Gaz. vol. 133; p. 168.
- Felkner, W. G., Sebree, Tex. Train-pipe coupling. No. 895,735; Aug. 11; Sp. p. 1925; Dr. p. 408; Gaz. vol. 135; p. 1235.
- Felkner, S. J., Morristown, Tenn. Mail-box. No. 885,460; Apr. 21; Sp. p. 3679; Dr. pp. 770-1; Gaz. vol. 133; p. 1836.
- Fell, A. G., New York, N. Y. Incandescent lamp. No. 879,157; Feb. 18; Sp. p. 2601; Dr. p. 542; Gaz. vol. 132; p. 1334.
- Fell, A. G., New York, N. Y. Incandescent burner. No. 879,249; Feb. 18; Sp. p. 2775; Dr. pp. 581-2; Gaz. vol. 132; p. 1365.
- Fell, C., Lorain, Ohio, assignor to National Tube Company, Pittsburg, Pa. Pipe-expanding apparatus. No. 882,305; Mar. 17; Sp. p. 3636; Dr. p. 771; Gaz. vol. 133; p. 655.
- Fell, C., Lorain, Ohio, assignor to National Tube Company, Pittsburg, Pa. Apparatus for rifling pipes or tubes. No. 888,984; May 26; Sp. p. 5370; Dr. pp. 1139-40; Gaz. vol. 134; p. 958.
- Fell, J. M., Rosindale, Mass., assignor to Western Electric Company, Chicago, Ill. Holder for soldering-irons. No. 880,871; Mar. 3; Sp. p. 796; Dr. p. 168; Gaz. vol. 133; p. 133.
- Felland, O. E., Stoughton, Wis. Pressing device. No. 898,570; Sept. 15; Sp. p. 2682; Dr. p. 573; Gaz. vol. 136; p. 492.
- Feller, F. C., Cleveland, Ohio. Dump-cart. No. 898,204; Sept. 8; Sp. p. 1972; Dr. p. 420; Gaz. vol. 136; p. 342.

Alphabetical list of patentees—Continued.

- Fellgren, C. W., Chicago, Ill. Building construction. No. 893,471; July 14; Sp. p. 2195; Dr. p. 461; Gaz. vol. 135; p. 387.
- Fellows, C. F., West Chelmsford, Mass. Lamp and burner. No. 889,779; June 2; Sp. p. 1146; Dr. p. 266; Gaz. vol. 134; p. 1244.
- Fellows, E. G., Malden, Mass. Sewing-machine. No. 907,485; Dec. 22; Sp. p. 4621; Gaz. vol. 137; p. 1844.
- Fellows, E. R., assignor to Fellows Gear Shaper Company, Springfield, Vt. Gear-generating machine. No. 879,531; Feb. 18; Sp. p. 3358; Dr. pp. 701-3; Gaz. vol. 132; p. 1457.
- Fellows Gear Shaper Company. (See Fellows, E. R., assignor.)
- Fellows, H. W., Cahuenga, Cal. Gear-calculator. No. 889,360; June 2; Sp. p. 331; Dr. pp. 77-8; Gaz. vol. 134; p. 1111.
- Fellows, H. W., Cahuenga, and I. A. Cammett, Hollywood, Cal. Pilot. No. 879,092; Feb. 11; Sp. p. 2467; Dr. pp. 514-15; Gaz. vol. 132; p. 1272.
- Fellows, J. E., and E. W. Bonfield, Chicago, Ill. Machine for making cardboard blanks. No. 902,867; Nov. 3; Sp. p. 677; Gaz. vol. 137; p. 113.
- Fells, N., New York, N. Y. Pane-securing means. No. 876,791; Jan. 14; Sp. p. 2241; Dr. p. 493; Gaz. vol. 132; p. 397.
- Fells, N., New York, N. Y. Pane-securing means. No. 895,356; Aug. 4; Sp. p. 1159; Dr. p. 243; Gaz. vol. 135; p. 1088.
- Felmly, D. F., administrator. (See Duerr, W.)
- Felsenstein, J., New York, N. Y. Safety attachment for pockets. No. 885,235; Apr. 21; Sp. p. 3234; Dr. p. 675; Gaz. vol. 133; p. 1763.
- Felsing, S. D., assignor to Mapleyair Wind Stacker Company, Crookston, Minn. Belt-guide. No. 883,185; Mar. 31; Sp. p. 5361; Dr. p. 1142; Gaz. vol. 133; p. 1006.
- Felt, C. E. (See Ruff, W. J., assignor.)
- Felt, D. E., Chicago, Ill. Diaphragm-controller for cameras. No. 907,486; Dec. 22; Sp. p. 4622; Gaz. vol. 137; p. 1844.
- Felt, D. E., and C. P. Wetmore, assignors to Comptograph Company, Chicago, Ill. Total-printing mechanism for listing-machines. No. 889,671; June 2; Sp. p. 951; Dr. pp. 219-20; Gaz. vol. 134; p. 1211.
- Felt, J., Lead, S. D. Rod-packing. No. 896,287; Aug. 18; Sp. p. 3000; Dr. p. 645; Gaz. vol. 135; p. 1435.
- Felten & Guillaume-Lahmeyerwerke Actien-Gesellschaft. (See Krämer, C., assignor.)
- Felton, A. K., assignor to one-half to O. A. Rhodes, Smithville, Ohio. Storm-front for vehicles. No. 879,093; Feb. 11; Sp. p. 2469; Dr. p. 515; Gaz. vol. 132; p. 1272.
- Felts, T. R., Selma, Ala. Animal-trainer. No. 876,047; Jan. 7; Sp. p. 696; Dr. p. 149; Gaz. vol. 132; p. 120.
- Felty, E. G., Brooklyn, N. Y. Sifting-shovel. No. 902,954; Nov. 3; Sp. p. 849; Gaz. vol. 137; p. 141.
- Fender, J. B., Kaufman, Tex. Water-purifying apparatus. No. 882,240; Mar. 17; Sp. p. 3508; Dr. p. 744; Gaz. vol. 133; p. 63.
- Fenderson, J., Owego, N. Y. Metal and wood combined railway-tie. No. 900,841; Oct. 13; Sp. p. 1649; Dr. p. 334; Gaz. vol. 136; p. 1354.
- Fenerty, W. R., Louisville, Ky. Stove and furnace. No. 886,965; May 5; Sp. p. 1249; Dr. p. 264; Gaz. vol. 134; p. 207.
- Fenimore, S. D., Folcroft, Pa. Trolley-pole. No. 903,366; Nov. 10; Sp. p. 1657; Gaz. vol. 137; p. 303.
- Fenn, A., assignor to Browne & Dowd Mfg. Co., Meriden, Conn. Combination-tool. No. 902,868; Nov. 3; Sp. p. 685; Gaz. vol. 137; p. 114.
- Fenn, F. D., Boise, Idaho. Amalgamating apparatus. No. 887,319; May 12; Sp. p. 2017; Dr. p. 422; Gaz. vol. 134; p. 353.
- Fennelly, J. C. (See Roberts, H. P., assignor.)
- Fenner, L. J. (See Davitt and Fenner.)
- Fenner, M. E., assignor to one-half to T. L. Hamilton, Durand, Ill. Concrete construction. No. 901,798; Oct. 20; Sp. p. 3646; Dr. p. 737; Gaz. vol. 136; p. 1702.
- Fenney, J. H., Handsworth, near Birmingham, England. Ball-caster. No. 903,850; Nov. 17; Sp. p. 2650; Gaz. vol. 137; p. 492.
- Fenoher, W. J., Detroit, Mich. Glove-tree. No. 907,137; Dec. 22; Sp. p. 3907; Gaz. vol. 137; p. 1726.
- Fenstermaker, A., Colton, Cal. Sample-taking machine. No. 887,615; May 12; Sp. p. 2600; Dr. p. 548; Gaz. vol. 134; p. 449.
- Fenton, P., and F. W. Waechter, Knoxville, Iowa. Earth-boring machine. No. 876,048; Jan. 7; Sp. p. 697; Dr. p. 150; Gaz. vol. 132; p. 121.
- Fenwick, C. (See Musgrove, J. A., Jr., assignor.)
- Fenwick, T., New York, N. Y. Excavator. No. 901,431; Oct. 20; Sp. p. 2853; Dr. pp. 582-3; Gaz. vol. 136; p. 1581.
- Fenyő, A. G., Charlottenburg, Germany. Tube-post. No. 891,416; June 23; Sp. p. 4529; Dr. p. 985; Gaz. vol. 134; p. 1873.
- Ferber, P., assignor to Keuffel & Esser Company, Hoboken, N. J. Tape-reel. No. 901,896; Oct. 20; Sp. p. 3813; Dr. p. 777; Gaz. vol. 136; p. 1732.
- Ferber, P., assignor to Keuffel & Esser Company, Hoboken, N. J. Tape-reel. No. 901,897; Oct. 20; Sp. p. 3815; Dr. p. 777; Gaz. vol. 136; p. 1733.
- Ferchland, P., Berlin, and J. Nussbaum, Charlottenburg, Germany. Electrode for electrolytic purposes. No. 900,502; Oct. 6; Sp. p. 933; Dr. p. 189; Gaz. vol. 136; p. 1214.
- Ferguson, G. W., Logan, Kans. Sulky-harrow. No. 893,914; July 21; Sp. p. 3203; Dr. pp. 659-60; Gaz. vol. 135; p. 563.
- Ferguson, B. F., Tishomingo, Okla. Folding poultry-coop. No. 887,080; May 12; Sp. p. 1482; Dr. pp. 314-15; Gaz. vol. 134; p. 273.
- Ferguson Bros. Mfg. Co. (See Hanley, W., assignor.)
- Ferguson, D., assignor to one-half to O. G. Ferguson and W. J. Ebken, Pittsburg, Pa. Coke-drawer. No. 883,705; Apr. 7; Sp. p. 59; Dr. pp. 8-9; Gaz. vol. 133; p. 1202.
- Ferguson, E. R., (See Cole, M. R., assignor.)
- Ferguson, H. B., *et al.* (See Secret, J. A., assignor.)
- Ferguson, H. C., Canton, Ohio, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 904,857; Nov. 24; Sp. p. 4798; Gaz. vol. 137; p. 860.
- Ferguson, H. C., Canton, Ohio, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 904,858; Nov. 24; Sp. p. 4803; Gaz. vol. 137; p. 860.
- Ferguson, H. C., Canton, Ohio, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 904,859; Nov. 24; Sp. p. 4807; Gaz. vol. 137; p. 861.
- Ferguson, J., Creston, Ill. Wheelbarrow. No. 879,861; Feb. 25; Sp. p. 4080; Dr. p. 855; Gaz. vol. 132; p. 1598.
- Ferguson, J. H., assignor to Lovejoy Company, New York, N. Y. Hydraulic press. No. 901,086; Oct. 13; Sp. p. 2132; Dr. p. 434; Gaz. vol. 136; p. 1431.
- Ferguson, L. B., Monroe, La. Dial. No. 903,964; Nov. 17; Sp. p. 2905; Gaz. vol. 137; p. 530.
- Ferguson, O. G., *et al.* (See Ferguson, D., assignor.)
- Ferguson, S., Schenectady, N. Y., assignor to General Electric Company. Rectifier-panel. No. 896,980; Aug. 25; Sp. p. 4456; Dr. p. 953; Gaz. vol. 135; p. 1684.
- Ferguson, T. M., Hattiesburg, Miss. Roller-skate. No. 899,963; Sept. 29; Sp. p. 5427; Dr. p. 1157; Gaz. vol. 136; p. 1007.
- Ferguson, W., Brevard, N. C. Leach-clearing device. No. 894,618; July 28; Sp. p. 4675; Dr. pp. 970-1; Gaz. vol. 135; p. 815.
- Ferguson, W. H., *et al.* (See Jones, T. N., assignor.)
- Ferguson, W. S., assignor to one-half to J. B. Sterns, Leesville, La. Rotary engine. No. 896,368; Aug. 18; Sp. p. 3169; Dr. p. 680; Gaz. vol. 135; p. 1460.
- Fergusson, D., assignor to George N. Pierce Company, Buffalo, N. Y. Starting means for gas-engines. No. 888,794; May 26; Sp. p. 4973; Dr. p. 1062; Gaz. vol. 134; p. 897.
- Ferlin, G. H., assignor to D. Weingard, San Diego, Cal. Automatic electric-motor-driven mail and package deliverer. No. 892,586; July 7; Sp. p. 369; Dr. p. 81; Gaz. vol. 135; p. 68.
- Fernandez, N. E. (See Turner, H. L., assignor.)
- Ferner, L. J., Rochester, N. Y. Device for use in soldering. No. 878,622; Feb. 11; Sp. p. 1581; Dr. p. 321; Gaz. vol. 132; p. 1124.
- Ferrand Company. (See Steel, E. A., assignor.)
- Ferrandini, L. A. (See Schneider, G., assignor.)
- Ferrando, G., Genoa, Italy. Spring-wheel. No. 891,682; June 23; Sp. p. 5092; Dr. p. 1099; Gaz. vol. 134; p. 1961.
- Ferranti, S. Z., de Grindelford, England. Fluid packing. No. 885,032; Apr. 21; Sp. p. 2791; Dr. p. 591; Gaz. vol. 133; p. 1696.
- Ferranti, S. Z., de Grindelford, England. Apparatus for the treatment of gases. No. 898,346; Sept. 8; Sp. p. 2227; Dr. pp. 473-4; Gaz. vol. 136; p. 386.
- Ferranti, S. Z., de Grindelford, near Sheffield, England. Turbine. No. 901,931; Oct. 20; Sp. p. 3883; Dr. pp. 792-3; Gaz. vol. 136; p. 1744.
- Ferranti, S. Z., de Grindelford, England. Elastic-fluid turbine. No. 907,981; Dec. 29; Sp. p. 5677; Gaz. vol. 137; p. 2036.
- Ferranti, S. Z., de London, England. Steam-turbine. No. 892,818; July 7; Sp. p. 837; Dr. pp. 178-9; Gaz. vol. 135; p. 143.
- Ferranti, S. Z., de Sheffield, England. Spinning, twisting and doubling machine. No. 903,965; Nov. 17; Sp. p. 2906; Gaz. vol. 137; p. 530.
- Ferranti, S. Z., de Hampstead, London, England. Attaching turbine-blades to their carrying elements. No. 906,400; Dec. 8; Sp. p. 2495; Gaz. vol. 137; p. 1429.
- Ferrara, F., Boston, Mass. Adjustable window-shade bracket. No. 896,717; Aug. 25; Sp. p. 3850; Dr. p. 833; Gaz. vol. 135; p. 1594.
- Ferrari, C., assignor to Erie City Iron Works, Erie, Pa. Steam-engine. No. 896,524; Aug. 18; Sp. p. 3485; Dr. pp. 748-9; Gaz. vol. 135; p. 1512.
- Ferrell, H. J., *et al.* (See Barrett, J. E., assignor.)
- Ferreres, J., Habana, Cuba. Calendar. No. 902,484; Oct. 27; Sp. p. 5065; Dr. p. 1024; Gaz. vol. 136; p. 1954.
- Ferrero, C. P., Portland, Oreg., assignor, by mesne assignments, of one-half to Loose Card Book Company. Combined loose-leaf book and card system. No. 886,320; Apr. 23; Sp. p. 5439; Dr. p. 1140; Gaz. vol. 133; p. 2147.
- Ferres, J. T., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Board. No. 880,784; Mar. 3; Sp. p. 598; Dr. p. 127; Gaz. vol. 133; p. 103.

Alphabetical list of patentees—Continued.

- Ferres, J. T., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Packing or shipping box. No. 881,567; Mar. 10; Sp. p. 2131; Dr. p. 465; Gaz. vol. 133; p. 388.
- Ferres, J. T., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Building construction. No. 892,145; June 30; Sp. p. 6012; Dr. p. 1291; Gaz. vol. 134; p. 2144.
- Ferres, J. T., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Packing box or carton. No. 893,615; July 21; Sp. p. 2518; Dr. pp. 524-5; Gaz. vol. 135; p. 463.
- Ferres, J. T., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Packing box or carton. No. 893,616; July 21; Sp. p. 2521; Dr. p. 525; Gaz. vol. 135; p. 464.
- Ferres, J. T., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Packing or shipping box. No. 903,555; Nov. 10; Sp. p. 2048; Gaz. vol. 137; p. 366.
- Ferres, J. T., and W. H. Fairchild, assignors of one-half to J. W. Sefton Manufacturing Company, Anderson, Ind. Paper box. No. 901,286; Oct. 13; Sp. p. 2514; Dr. p. 516; Gaz. vol. 136; p. 1495.
- Ferrié, G., Paris, France. Regulation of the period or inductance of high-frequency circuits. No. 906,211; Dec. 8; Sp. p. 2153; Gaz. vol. 137; p. 1369.
- Ferrier, S. H., Troy, Oreg. Turfing-needle. No. 897,200; Aug. 25; Sp. p. 4872; Dr. p. 1036; Gaz. vol. 135; p. 1755.
- Ferriotti, C. L., Temple, Tex., assignor to Temple Cotton Chopping Machine Co. Cotton chopper or cultivator. No. 877,470; Jan. 21; Sp. p. 3645; Dr. p. 790; Gaz. vol. 132; p. 663.
- Ferriotti, C. L., assignor to J. Breen, B. L. Dillingham, C. Rogan, A. J. Ellers, and J. S. Wooten, Austin, Tex. Cotton-chopper. No. 902,721; Nov. 3; Sp. p. 380; Gaz. vol. 137; p. 65.
- Ferris, B., Pueblo, Colo. Lacing device. No. 895,546; Aug. 11; Sp. p. 1551; Dr. p. 327; Gaz. vol. 135; p. 1174.
- Ferris, H. G., Leavenworth, Kans. Self-adjusting sheave for cable-tramways. No. 883,529; Mar. 31; Sp. p. 6091; Dr. p. 1296; Gaz. vol. 133; p. 1118.
- Ferris, H. G., Leavenworth, Kans. Automatic bottom-dumping and self-closing bucket. No. 897,361; Sept. 1; Sp. p. 246; Dr. p. 51; Gaz. vol. 136; p. 36.
- Ferris, H., and H. E. Dikeman, Ardoch, N. D. Bundle carrier and dropper for harvesting-machines. No. 889,672; June 2; Sp. p. 955; Dr. p. 220; Gaz. vol. 134; p. 1211.
- Ferris, C. H., Brooklyn, N. Y. Ankle-supporter. No. 893,064; July 14; Sp. p. 1378; Dr. p. 291; Gaz. vol. 135; p. 255.
- Ferris, H. J. (See Ferris, H. L. and H. J.)
- Ferris, H. L., Harvard, Ill., assignor to Hunt, Helm, Ferris & Company. Feed and litter carrier. No. 884,649; Apr. 14; Sp. p. 2022; Dr. p. 432; Gaz. vol. 133; p. 1539.
- Ferris, H. L., assignor to Hunt, Helm, Ferris & Co., Harvard, Ill. Toy wagon. No. 887,385; May 12; Sp. p. 2162; Dr. p. 453; Gaz. vol. 134; p. 374.
- Ferris, H. L., assignor to Hunt, Helm, Ferris and Company, Harvard, Ill. Feed and litter carrier. No. 888,878; May 26; Sp. p. 5169; Dr. pp. 1096-7; Gaz. vol. 134; p. 925.
- Ferris, H. L. and H. J., Harvard, Ill., assignors to Hunt, Helm, Ferris & Company. Track for door-hangers. No. 902,221; Oct. 27; Sp. p. 4500; Dr. p. 910; Gaz. vol. 136; p. 1866.
- Ferris Ink Company. (See Fitzsimmons, J. F., assignor.)
- Ferris, L. G. (See McGregor and Ferris.)
- Ferris, M. W., South Orange, N. J. Shoulder-brace. No. 903,073; Nov. 3; Sp. p. 1089; Gaz. vol. 137; p. 177.
- Ferris, W. (See Clifford and Ferris.)
- Ferris, W. D., Sterling, Ill. Bale-tie-making machine. No. 885,916; Apr. 28; Sp. p. 4615; Dr. pp. 967-72; Gaz. vol. 133; p. 2012.
- Ferris, W. D., Sterling, Ill. Bale-tie. No. 885,917; Apr. 28; Sp. p. 4630; Dr. p. 972; Gaz. vol. 133; p. 2013.
- Ferris, W. H., Sault Ste. Marie, Mich. Harness-fitting. No. 882,459; Mar. 17; Sp. p. 3903; Dr. p. 835; Gaz. vol. 133; p. 706.
- Ferriss, E., Napoleon, N. D. Sleigh. No. 901,604; Oct. 20; Sp. p. 3215; Dr. p. 659; Gaz. vol. 136; p. 1637.
- Ferriss, E., Napoleon, N. D. Machine for plowing or otherwise cultivating the soil. No. 901,605; Oct. 20; Sp. p. 3216; Dr. pp. 659-60; Gaz. vol. 136; p. 1637.
- Ferro, C. B., and A. K. Hatteberg, North Bend, Oreg. Automatic recording and measuring machine for cloth, laces, &c. No. 895,547; Aug. 11; Sp. p. 1552; Dr. pp. 327-8; Gaz. vol. 135; p. 1174.
- Ferro-Concrete Construction Company. (See Anderson, R., assignor.)
- Ferro-Concrete Construction Company. (See Anderson and Nolte, assignors.)
- Ferro Machine and Foundry Company. (See Willard, W. C., assignor.)
- Ferry, F. N., New York, N. Y. Combined bottle and cup. No. 896,903; Aug. 25; Sp. p. 4256; Dr. p. 910; Gaz. vol. 135; p. 1658.
- Ferry, L., and F. Di Gioia, Derby, Conn. Plow. No. 902,284; Oct. 27; Sp. p. 4624; Dr. p. 939; Gaz. vol. 136; p. 1887.
- Fertilizer Products Company. (See Ellis, C., assignor.)
- Féry, C., Paris, France. Pyrometer. No. 890,895; June 16; Sp. p. 3451; Dr. pp. 756-7; Gaz. vol. 134; p. 1670.
- Fessler, J. B., New York, N. Y. Fountain-brush. No. 904,190; Nov. 17; Sp. p. 3388; Gaz. vol. 137; p. 609.
- Fessler, M. A., Berkeley, assignor of forty-five one-hundredths to D. C. Gray, Tulare county, Cal. Oil-burner. (Reissue.) No. 12,802; June 2; Sp. p. 1355; Dr. p. 309; Gaz. vol. 134; p. 1281.
- Fessenden, R. A., Washington, D. C. Wireless telegraphy. No. 897,278; Sept. 1; Sp. p. 27; Dr. p. 7; Gaz. vol. 136; p. 7.
- Fessenden, R. A., Washington, D. C. Means for generating high-frequency electric oscillations. No. 897,279; Sept. 1; Sp. p. 28; Dr. p. 7; Gaz. vol. 136; p. 7.
- Fessler, M., Pforzheim, Germany. Making chains. No. 876,792; Jan. 14; Sp. p. 2242; Gaz. vol. 132; p. 398.
- Fessler, M., Pforzheim, Germany. Apparatus for soldering chain-links. No. 890,853; June 16; Sp. p. 3374; Dr. p. 740; Gaz. vol. 134; p. 1657.
- Fessler, M., Pforzheim, Germany. Soldering chain-links. No. 890,896; June 16; Sp. p. 3454; Gaz. vol. 134; p. 1670.
- Fessler, W. F., New Castle, Pa. Washboiler attachment. No. 904,191; Nov. 17; Sp. p. 3389; Gaz. vol. 137; p. 610.
- Fetch, W. E., Mingo Junction, Ohio. Type-writer support. No. 883,305; Mar. 31; Sp. p. 5617; Dr. pp. 1197-8; Gaz. vol. 133; p. 1046.
- Fetherolf, C. W., Binghamton, N. Y. Dish-washer. No. 902,064; Oct. 27; Sp. p. 4180; Dr. p. 847; Gaz. vol. 136; p. 1817.
- Fettback, F., Hanover, Germany. Wrapper for boxes and similar articles. No. 882,241; Mar. 17; Sp. p. 3510; Dr. p. 745; Gaz. vol. 133; p. 633.
- Fettel, C. H. (See Clark and Fettel.)
- Fetter, R. S., Trenton, N. J. Toy. No. 891,828; June 30; Sp. p. 5399; Dr. p. 1167; Gaz. vol. 134; p. 2042.
- Fetzer, A. H., assignor of one-eighth to G. M. and one-third to M. E. Shumaker, Galion, Ohio. Driving mechanism for swinging axles. No. 900,503; Oct. 6; Sp. p. 936; Dr. p. 190; Gaz. vol. 136; p. 1214.
- Fetzer, J. C., Hoopesston, Ill. Can-soldering machine. No. 904,192; Nov. 17; Sp. p. 3390; Gaz. vol. 137; p. 610.
- Fetzer, J. M., Madison, Wis. Mitering-machine. No. 901,699; Oct. 20; Sp. p. 3453; Dr. p. 700; Gaz. vol. 136; p. 1671.
- Fetzer, L. W. (See Kraft and Fetzer.)
- Feuerlein, Firm of C. (See Hugendubel, A., assignor.)
- Fever, L. A., Secor, Ill. Sticky-fly-paper tray. No. 885,461; Apr. 21; Sp. p. 3680; Dr. p. 771; Gaz. vol. 133; p. 1837.
- Fevola, F., New York, N. Y. Comb-cleaner. No. 903,691; Nov. 10; Sp. p. 2321; Gaz. vol. 137; p. 407.
- Few, F. C., Albany, assignor of one-half to P. J. March, Troy, N. Y. Automatically-locking box. No. 879,094; Feb. 11; Sp. p. 2472; Dr. p. 515; Gaz. vol. 132; p. 1272.
- Fewings, F. J., Duluth, Minn. Locomotive-headlight blind. No. 879,377; Feb. 18; Sp. p. 3036; Dr. pp. 632-3; Gaz. vol. 132; p. 1407.
- Fewins, H. M., Woodbine, Iowa. Fence-post. No. 893,156; July 14; Sp. p. 1567; Dr. p. 331; Gaz. vol. 135; p. 285.
- Feyler, W., Sturgeon, Mo. Eaves-trough and fastening therefor. No. 883,632; Mar. 31; Sp. p. 6284; Dr. p. 1340; Gaz. vol. 133; p. 1150.
- Fiala, A., Brooklyn, N. Y. Machine for applying stamps. No. 906,004; Dec. 8; Sp. p. 1757; Gaz. vol. 137; p. 1301.
- Fialcofsky, D., Sorel, Quebec, Canada. Cork-extracting device. No. 876,049; Jan. 7; Sp. p. 699; Dr. p. 150; Gaz. vol. 132; p. 121.
- Fiat Automobile Company. (See Enrico, G., assignor.)
- Fichte, M. E. (See Alden, J. S., assignor.)
- Ficker, F. C., *et al.* (See Kaske, A., assignor.)
- Fickert, G. R., Jersey City, N. J. Burner. No. 895,736; Aug. 11; Sp. p. 1926; Dr. p. 408; Gaz. vol. 135; p. 1235.
- Fickert, G. R., Jersey City, N. J. Gas-lamp. No. 901,606; Oct. 20; Sp. p. 3219; Dr. p. 660; Gaz. vol. 136; p. 1638.
- Fickett, R. N., Atlanta, Ga. Dusting-brush. No. 886,046; Apr. 28; Sp. p. 4913; Dr. p. 1033; Gaz. vol. 133; p. 2055.
- Fiddes, J., and J. F. Watt, assignors to Expansion Sprinkler Syndicate, Limited, Aberdeen, Scotland. Automatic transmitter for fire-alarm and sprinkler systems. No. 877,067; Jan. 21; Sp. p. 2847; Dr. p. 615; Gaz. vol. 132; p. 531.
- Fiddes, J., and J. F. Watt, assignors to Expansion Sprinkler Syndicate Limited, Aberdeen, Scotland. Automatic sprinkler system. No. 877,707; Jan. 28; Sp. p. 4135; Dr. p. 895; Gaz. vol. 132; p. 760.
- Fiddes, O. H., and H. A. Seifke, San Francisco, Cal. Electric water-heater. No. 888,151; May 19; Sp. p. 3656; Dr. p. 765; Gaz. vol. 134; p. 653.
- Fidell, E., Jersey City, N. J. Mechanism for affixing stamps and similar devices. No. 878,514; Feb. 11; Sp. p. 1323; Dr. pp. 268-9; Gaz. vol. 132; p. 1086.
- Fiebk, F. R., Neillsville, Wis. Ironing-board. No. 886,361; May 5; Sp. p. 40; Dr. p. 8; Gaz. vol. 134; p. 10.

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- Fiedler, G. W., and T. Bischof, Bevier, Mo. Acetylene-gas generator. No. 899,964; Sept. 29; Sp. p. 5429; Dr. p. 1157; Gaz. vol. 136; p. 1008.
- Fiedler, L., Stoke Newington, England. Secondary battery. No. 896,981; Aug. 25; Sp. p. 4458; Gaz. vol. 135; p. 1684.
- Fieg, J. F. (See Grant and Fieg, assignors.)
- Fiegehen, F. T., New Cross, and C. R. C. Hart, Brixton, England. Bush for valves. No. 887,782; May 19; Sp. p. 2946; Dr. p. 620; Gaz. vol. 134; p. 535.
- Field, A. B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 899,447; Sept. 22; Sp. p. 4330; Dr. p. 930; Gaz. vol. 136; p. 803.
- Field, A. B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 902,065; Oct. 27; Sp. p. 4182; Dr. p. 847; Gaz. vol. 136; p. 1817.
- Field, A. H., *et al.* (See Mitchell, W. H., assignor.)
- Field, A. M. (See Brown and Field.)
- Field, D. D., New York, N. Y., assignor to E. A. Wilhelmi, Summit, N. J. Diabolo-hobbin. No. 892,951; July 7; Sp. p. 1129; Dr. p. 237; Gaz. vol. 135; p. 188.
- Field, F. F. (See Bostock, W. F., assignor.)
- Field, I. M., Chicago, Ill. Piano-case. No. 877,839; Jan. 28; Sp. p. 4375; Dr. p. 951; Gaz. vol. 132; p. 802.
- Field, J. F., assignor to E. H. Stafford Manufacturing Company, Ionia, Mich. Adjustable desk. No. 881,312; Mar. 10; Sp. p. 1641; Dr. p. 352; Gaz. vol. 133; p. 306.
- Field, J. G., Thompson, Iowa. Speed-indicator. No. 887,616; May 12; Sp. p. 2602; Dr. p. 549; Gaz. vol. 134; p. 449.
- Field, M. S., Boston, Mass. Mail receptacle. No. 894,376; July 28; Sp. p. 4186; Dr. p. 863; Gaz. vol. 135; p. 736.
- Field, S., Quincy, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Eyeletting-machine. No. 880,376; Feb. 25; Sp. p. 5112; Dr. pp. 1079-80; Gaz. vol. 132; p. 1767.
- Field, S. B., *et al.* (See Mitchell, W. H., assignor.)
- Field, S. D., Stockbridge, Mass. Telegraph-repeater. No. 883,530; Mar. 31; Sp. p. 6091; Dr. p. 1296; Gaz. vol. 133; p. 1119.
- Field, S. D., Stockbridge, Mass. Telegraph system. No. 889,592; June 2; Sp. p. 798; Dr. p. 132; Gaz. vol. 134; p. 1186.
- Field, S. D., Stockbridge, Mass. Telegraph system. No. 904,768; Nov. 24; Sp. p. 4606; Gaz. vol. 137; p. 829.
- Field, S. D., Stockbridge, assignor to Pittsfield Spark Coil Company, Dalton, Mass. Magnetic blow-out for make-and-break devices. No. 887,737; May 12; Sp. p. 2832; Dr. p. 599; Gaz. vol. 134; p. 491.
- Fieldhouse, G. W., Swissvale, Pa. Making twyers. No. 898,347; Sept. 8; Sp. p. 2229; Dr. pp. 474-5; Gaz. vol. 136; p. 387.
- Fieldhouse, G. W., Oak Park, Ill. Apparatus for making twyers. No. 898,348; Sept. 8; Sp. p. 2231; Dr. pp. 475-6; Gaz. vol. 136; p. 387.
- Fielding, J., Gloucester, England. Suction gas-generator. No. 877,068; Jan. 21; Sp. p. 2848; Dr. p. 615; Gaz. vol. 132; p. 531.
- Fielding, F. H., New York, N. Y. Appliance for wiring conduits. No. 895,175; Aug. 4; Sp. p. 795; Dr. pp. 165-6; Gaz. vol. 135; p. 1027.
- Fielding, W. H. L., New Orleans, La. Leveling device for crushing-rolls. No. 898,349; Sept. 8; Sp. p. 2233; Dr. p. 476; Gaz. vol. 136; p. 387.
- Fields, C. C., Morristown, Tenn. Combination-tool. No. 888,795; May 26; Sp. p. 4977; Dr. p. 1062; Gaz. vol. 134; p. 897.
- Fields, J. W., assignor of one-half to J. N. Standish, H. Pearsall, Bridgeport, and F. R. White, Waterbury, Conn. Gascut-off. No. 877,417; Jan. 21; Sp. p. 3550; Dr. p. 765; Gaz. vol. 132; p. 646.
- Fields, R. E., Gordon, Nebr. Brush. No. 880,785; Mar. 3; Sp. p. 599; Dr. p. 127; Gaz. vol. 133; p. 103.
- Fiero, S. T., Pittsburg, Pa. Interlocking sheet-metal piling. No. 884,270; Apr. 7; Sp. p. 1226; Dr. p. 258; Gaz. vol. 133; p. 1387.
- Fiers, W. T., and L. Manor, Redkey, Ind. Tedder attachment for mowing-machines. No. 898,859; Sept. 15; Sp. p. 3220; Dr. p. 690; Gaz. vol. 136; p. 586.
- Fies, D. A., assignor of one-half to A. Rothermel, Reading, Pa. Door-stop. No. 905,804; Dec. 1; Sp. p. 1366; Gaz. vol. 137; p. 1207.
- Fiesse, C. J. A., Washington, D. C. Aerial apparatus. No. 887,931; May 19; Sp. p. 3240; Dr. pp. 681-2; Gaz. vol. 134; p. 584.
- Fike, A. J. and C. M., Clifton Mills, W. Va. Table. No. 902,955; Nov. 3; Sp. p. 850; Gaz. vol. 137; p. 141.
- Fike, A. J. and C. M., Clifton Mills, W. Va. Pneumatic horse-collar. No. 904,322; Nov. 17; Sp. p. 3681; Gaz. vol. 137; p. 654.
- Fike, C. M. (See Fike, A. J. and C. M.)
- Filetz, J. W., Chicago, Ill. Pivot-screw for shears. No. 886,197; Apr. 28; Sp. p. 5190; Dr. p. 1093; Gaz. vol. 133; p. 2104.
- Filippi, P., Paris, France. Ship's propeller. No. 890,973; June 16; Sp. p. 3642; Dr. p. 793; Gaz. vol. 134; p. 1697.
- Filler, C., St. Johnsville, N. Y. Tire armor or protector. No. 894,377; July 28; Sp. p. 4187; Dr. p. 864; Gaz. vol. 135; p. 736.
- Fillet, J. E. W., Paris, France. Anchoring device for agricultural tractors or the like. No. 901,799; Oct. 20; Sp. p. 3646; Dr. p. 738; Gaz. vol. 136; p. 1702.
- Filliez, H. J., assignor of one-half to E. D. Brant, Canton, Ohio. Horseshoe. No. 904,193; Nov. 17; Sp. p. 3393; Gaz. vol. 137; p. 610.
- Fillingham, J. P., assignor to Reo Motor Car Company, Lansing, Mich. Carriage-top. No. 900,063; Sept. 29; Sp. p. 5661; Dr. pp. 1209-10; Gaz. vol. 136; p. 1041.
- Filskow, K., New York, N. Y. Drainage system. No. 898,205; Sept. 8; Sp. p. 1973; Dr. p. 421; Gaz. vol. 136; p. 342.
- Filson, I., Springfield, Ohio. Adjustable bracket. No. 901,700; Oct. 20; Sp. p. 3455; Dr. p. 700; Gaz. vol. 136; p. 1671.
- Filstead, D. W., assignor of one-half to A. R. Ames, Chicago, Ill. Machine for turning rubber shells of platens. No. 879,378; Feb. 18; Sp. p. 3040; Dr. p. 633; Gaz. vol. 132; p. 1407.
- Filstrup, E. C., assignor to Covell Manufacturing Company, Chicago, Ill. Saw-sharpening machine. No. 881,230; Mar. 10; Sp. p. 1477; Dr. p. 317; Gaz. vol. 133; p. 279.
- Filstrup, L. L., assignor to Covell Manufacturing Company, Chicago, Ill. Saw-sharpening machine. No. 881,231; Mar. 10; Sp. p. 1478; Dr. pp. 318-19; Gaz. vol. 133; p. 279.
- Filter & Brautechnische Maschinen-Fabrik Act. Ges. (See Sellenscheidt, C., assignor.)
- Filtz, R., and A. Lake, Kingston, Ontario, Canada. Automatic stop-motion for knitting-machines. No. 890,038; June 9; Sp. p. 1696; Dr. pp. 375-7; Gaz. vol. 134; p. 1358.
- Filzamer, A., Vienna, Austria-Hungary. Construction of wrought-iron windows. No. 897,077; Aug. 25; Sp. p. 4650; Dr. p. 990; Gaz. vol. 135; p. 1716.
- Finch, A. E. (See Finch, R. G., assignor.)
- Finch, A. T., *et al.* (See Davis, C. B., assignor.)
- Finch, C. W., assignor of one-half to M. R. Stephenson, St. Joseph, Mo. Slide-carrier for stereopticon-lanterns. No. 893,714; July 21; Sp. p. 2702; Dr. p. 567; Gaz. vol. 135; p. 496.
- Finch, D. H., Manchester, Iowa. Lawn-trimming implement. No. 902,141; Oct. 27; Sp. p. 4327; Dr. p. 876; Gaz. vol. 136; p. 1841.
- Finch, G. W. (See Whipple and Finch.)
- Finch, J. S. (See Noble and Finch.)
- Finch, J. W., Elizabeth, Miss. Hand-car. No. 879,756; Feb. 18; Sp. p. 3831; Dr. p. 803; Gaz. vol. 132; p. 1530.
- Finch, L. E., Three Forks, Mont. Gate-latch. No. 895,445; Aug. 11; Sp. p. 1342; Dr. p. 283; Gaz. vol. 135; p. 1140.
- Finch, R. G., assignor of one-half to A. E. Finch, Plainville, Kans. Windmill. No. 900,504; Oct. 6; Sp. p. 937; Dr. p. 190; Gaz. vol. 136; p. 1215.
- Finch, W. E., assignor to W. F. Stimpson Company, Detroit, Mich. Poise-lock for scales. No. 889,217; June 2; Sp. p. 63; Dr. p. 14; Gaz. vol. 134; p. 1066.
- Finch, W. F., Litherland, near Liverpool, England. Machinery for stretching and setting leather. No. 880,512; Mar. 3; Sp. p. 38; Dr. pp. 9-10; Gaz. vol. 133; p. 10.
- Finck, W. C., Elizabeth, N. J., assignor to G. H. Benjamin, New York, N. Y. Generating and delivering gas under uniform pressure. No. 886,289; Apr. 28; Sp. p. 5363; Dr. p. 1128; Gaz. vol. 133; p. 2135.
- Fincke, F. O. H., Long Island City, N. Y. Pressure gas-valve. No. 904,057; Nov. 17; Sp. p. 3089; Gaz. vol. 137; p. 561.
- Finckel, G. M., assignor to Sackett Mine Supply Company, Columbus, Ohio. Feeder-wire insulator. No. 903,692; Nov. 10; Sp. p. 2322; Gaz. vol. 137; p. 407.
- Findlay, A. C., Perth, Western Australia, Australia. Self-acting candle-extinguisher. No. 886,198; Apr. 28; Sp. p. 5191; Dr. p. 1093; Gaz. vol. 133; p. 2104.
- Findlay, W. R. (See Bennett and Findlay.)
- Findley, C. A., Weems, Ohio. Button. No. 908,231; Dec. 29; Sp. p. 6228; Gaz. vol. 137; p. 2121.
- Findley, D. P., Mineral City, Ohio. Rotary screen. No. 886,966; May 5; Sp. p. 1252; Dr. pp. 264-5; Gaz. vol. 134; p. 207.
- Findon, F. H., Jr., Freeport, Pa. Compound for smoothing plate-glass. No. 876,447; Jan. 14; Sp. p. 1535; Gaz. vol. 132; p. 283.
- Fine, H. E., Trenton, N. J. Lainp. No. 882,146; Mar. 17; Sp. p. 3317; Dr. p. 706; Gaz. vol. 133; p. 604.
- Fine, J., Louisville, Ky. Hose-bridge. No. 883,186; Mar. 31; Sp. p. 5363; Dr. p. 1142; Gaz. vol. 133; p. 1007.
- Fine, J., Louisville, Ky. Car-brake. No. 887,617; May 12; Sp. p. 2605; Dr. p. 549; Gaz. vol. 134; p. 450.
- Finfrock, W. H., Chicago, Ill. Aluminium-solder. No. 901,607; Oct. 20; Sp. p. 3222; Gaz. vol. 136; p. 1638.
- Fingal, R. C., and T. Fabrin, Aurora, Ill. Window-sash. No. 905,064; Nov. 24; Sp. p. 5195; Gaz. vol. 137; p. 927.
- Finger, R., Prague, Austria-Hungary. Finger-spreading apparatus. No. 886,591; May 5; Sp. p. 498; Dr. p. 106; Gaz. vol. 134; p. 89.
- Fink, F., Recklinghausen, Germany. Electrical contact device. No. 877,919; Feb. 4; Sp. p. 50; Dr. p. 10; Gaz. vol. 132; p. 857.
- Fink, F. E., Cortland, Ohio. Apparatus for producing gas. No. 907,110; Dec. 15; Sp. p. 3830; Gaz. vol. 137; p. 1680.
- Fink, G., Northfield, Minn. Carrier. No. 901,234; Oct. 13; Sp. p. 2392; Dr. p. 490; Gaz. vol. 136; p. 1477.

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 Fink, J., New York, N. Y. Sewing and embroidering machine. No. 836,369; Aug. 18; Sp. p. 3172; Dr. p. 681; Gaz. vol. 135; p. 1460.
 Fink, J., Brooklyn, N. Y. Ventilator. No. 903,851; Nov. 17; Sp. p. 2651; Gaz. vol. 137; p. 492.
 Fink, J. H. (See Colkitt, J. H., assignor.)
 Fink, J. H. *et al.* (See Andlauer, R., assignor.)
 Fink, P. J., Oakfield, Wis. Mechanism for forming beehives. No. 886,488; May 5; Sp. p. 288; Dr. p. 61; Gaz. vol. 134; p. 53.
 Fink, W. F., assignor of one-third to F. H. Phillips, La Jara, Colo. Grader and excavator. No. 878,283; Feb. 4; Sp. p. 797; Dr. pp. 159-60; Gaz. vol. 132; p. 977.
 Finkle, C. E., Rochester, N. Y. Rotary force-pump. No. 907,022; Dec. 15; Sp. p. 3660; Gaz. vol. 137; p. 1652.
 Finlay, H. J., New York, N. Y. Game apparatus. No. 891,613; June 23; Sp. p. 4917; Dr. p. 1060; Gaz. vol. 134; p. 1936.
 Finley, A. P., Sherman, Tex. Compound railway-rail. No. 881,313; Mar. 10; Sp. p. 1644; Dr. p. 352; Gaz. vol. 133; p. 306.
 Finley, T. L. (See Johnston, T. A., assignor.)
 Finley, W. H., Manring, Tenn. Car-retarder. No. 908,232; Dec. 29; Sp. p. 6229; Gaz. vol. 137; p. 2121.
 Finn, J., Elmo, Kans. Self-registering land-measuring device. No. 882,191; Mar. 17; Sp. p. 3420; Dr. p. 727; Gaz. vol. 133; p. 618.
 Finn, W. J., Scranton, Pa. Combined try-square and siding-gage. No. 888,985; May 26; Sp. p. 5372; Dr. p. 1140; Gaz. vol. 134; p. 959.
 Finnegan, J. J., and C. E. Webster, Benwood, W. Va. Gage-cock. No. 880,786; Mar. 3; Sp. p. 600; Dr. p. 128; Gaz. vol. 133; p. 104.
 Finney, C. G., and R. E. Harper, Nashville, Tenn. Display-rack for chairs. No. 905,163; Dec. 1; Sp. p. 80; Gaz. vol. 137; p. 996.
 Finney, J. J. (See Denny and Finney.)
 Finney, W. C., Washington, D. C. Clasp. No. 876,161; Jan. 7; Sp. p. 924; Dr. p. 199; Gaz. vol. 132; p. 157.
 Finster, G. A., Schenectady, N. Y. Cartridge. No. 878,369; Feb. 4; Sp. p. 961; Dr. p. 193; Gaz. vol. 132; p. 1005.
 Finsterbach, F. E. (See Perkins, F. C., assignor.)
 Finless Cooler Company. (See Clingen, W. C., assignor.)
 Firm, J. L., Berwyn, assignor to Goss Printing Press Company, Chicago, Ill. Printing-machine. No. 883,706; Apr. 7; Sp. p. 61; Dr. p. 9; Gaz. vol. 133; p. 1202.
 Firm, J. L., Berwyn, assignor to Goss Printing Press Company, Chicago, Ill. Printing-machine. No. 905,164; Dec. 1; Sp. p. 82; Gaz. vol. 137; p. 996.
 Firman, J. A., *et al.* (See Smith, W. D., assignor.)
 Firman, W., Ottumwa, Iowa. Attachment for miners' caps. No. 905,682; Dec. 1; Sp. p. 1128; Gaz. vol. 137; p. 1166.
 Firmin, J. D., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Cable-connector. No. 904,522; Nov. 24; Sp. p. 4093; Gaz. vol. 137; p. 746.
 Firsching, J. A., Utica, N. Y. Friction-clutch driving mechanism. No. 878,458; Feb. 4; Sp. p. 1127; Dr. p. 231; Gaz. vol. 132; p. 1034.
 First Trust and Savings Bank, trustee. (See Erickson, J., assignor.)
 Firth, H. B., Warren, assignor to J. P. Corrothers, Point Clinton, Ohio. Operating device for davits. No. 905,065; Nov. 24; Sp. p. 5196; Gaz. vol. 137; p. 928.
 Firth, R., assignor to Rowland Firth & Son, Phillipsburg, N. J. Vehicle-brake mechanism. No. 882,105; Mar. 17; Sp. p. 3251; Dr. p. 691; Gaz. vol. 133; p. 591.
 Firth Sterling Steel Company. (See Wheeler and McKenna, assignors.)
 Fischer, A. (See Fischer, A. E., assignor.)
 Fischer, A., Augsburg, Germany. Butter-kneading machine. No. 877,559; Jan. 28; Sp. p. 3858; Dr. p. 835; Gaz. vol. 132; p. 714.
 Fischer, A., London, England. Talking-machine. No. 879,755; Feb. 18; Sp. p. 3830; Dr. p. 803; Gaz. vol. 132; p. 1530.
 Fischer, A., Kensington, London, England. Sound-box for talking-machines. No. 904,523; Nov. 24; Sp. p. 4095; Gaz. vol. 137; p. 746.
 Fischer, A. E., assignor to A. Fischer, New York, N. Y. Locking device for the well-doors of dumb-waiters. No. 892,819; July 7; Sp. p. 842; Dr. p. 179; Gaz. vol. 135; p. 143.
 Fischer, A. P., Pittsburg, Pa. Transmission device. No. 887,781; May 19; Sp. p. 2944; Dr. pp. 619-20; Gaz. vol. 134; p. 534.
 Fischer, C. A., Grand Forks, N. D. Shoe-holder. No. 890,131; June 9; Sp. p. 1872; Dr. pp. 414-15; Gaz. vol. 134; p. 1389.
 Fischer, C. W., C. Zimmerman, and E. C. Walker, assignors to Theo. A. Kochs Company, Chicago, Ill. Chair. No. 885,843; Apr. 28; Sp. p. 4479; Dr. p. 940; Gaz. vol. 133; p. 1988.
 Fischer, F. I., New York, N. Y. Sash-lock. No. 887,321; May 12; Sp. p. 2021; Dr. p. 423; Gaz. vol. 134; p. 354.
 Fischer, G., Geneva, Switzerland. Sewing-machine for sewing straw plaits. No. 899,392; Sept. 22; Sp. p. 4230; Dr. pp. 905-8; Gaz. vol. 136; p. 785.
 Fischer, G. K., New Rochelle, N. Y. Apparatus for handling matte and slag of copper blast-furnaces. No. 906,622; Dec. 15; Sp. p. 2911; Gaz. vol. 137; p. 1527.
 Fischer, H. F., Corona, N. Y., and M. H. Dette, Woodcliff, N. J., assignors to P. Pryabil estate, New York, N. Y. Ice-cutting machine. No. 892,039; June 30; Sp. p. 5805; Dr. pp. 1248-9; Gaz. vol. 134; p. 2110.
 Fischer, J., Vienna, Austria-Hungary. Apparatus for the chemical purification of oils and the like. No. 878,370; Feb. 4; Sp. p. 962; Dr. p. 193; Gaz. vol. 132; p. 1005.
 Fischer, J. A. (See Fischer, J. C. and J. A.)
 Fischer, J. B., Chicago, Ill. Fish-bait. No. 906,519; Dec. 15; Sp. p. 2728; Gaz. vol. 137; p. 1495.
 Fischer, J. C. and J. A., Lexington, Okla. Landside for plows. No. 906,401; Dec. 8; Sp. p. 2500; Gaz. vol. 137; p. 1430.
 Fischer, L. H., Norman, Okla. Device for truing caps of fruit-jars. No. 893,838; July 21; Sp. p. 3056; Dr. p. 624; Gaz. vol. 135; p. 539.
 Fischer, M., Zurich, Switzerland. Magnetic inductor. No. 894,945; Aug. 4; Sp. p. 339; Dr. p. 68; Gaz. vol. 135; p. 949.
 Fischer, M., assignor to Actiengesellschaft "Magneta," Zurich, Switzerland. Magneto-electric inductor. No. 880,485; Feb. 25; Sp. p. 5365; Dr. p. 1130; Gaz. vol. 132; p. 1806.
 Fischer, M., assignor to Actiengesellschaft "Magneta" (Electrische Uhren Ohne Batterie & Ohne Contacte), Zurich, Switzerland. Induction-current generator. No. 894,944; Aug. 4; Sp. p. 338; Dr. p. 68; Gaz. vol. 135; p. 949.
 Fischer, S., New York, N. Y. Stop-watch. No. 906,212; Dec. 8; Sp. p. 2154; Gaz. vol. 137; p. 1369.
 Fischer, W., Jr. (See Rees and Fischer.)
 Fischrupp, G. (See Strand, Haugen, Coesfeld, and Fischrupp.)
 Fish, C., Muncie, Ind. Safety device for cleaning-machines or rumbles. No. 876,269; Jan. 7; Sp. p. 1141; Dr. p. 248; Gaz. vol. 132; p. 192.
 Fish, J., South Bend, Ind. Concrete-mixer. No. 892,239; June 30; Sp. p. 6184; Dr. pp. 1332-3; Gaz. vol. 134; p. 2175.
 Fish, J., assignor of three-fourths to D. D. and C. M. Frick, C. D. Lennox, and M. Strickler, South Bend, Ind. Machine for constructing hollow concrete building-blocks. No. 900,272; Oct. 6; Sp. p. 432; Dr. p. 88; Gaz. vol. 136; p. 1139.
 Fish, J. S., South Bend, Ind. Machine for molding concrete or cement brick. No. 890,039; June 9; Sp. p. 1700; Dr. pp. 377-8; Gaz. vol. 134; p. 1358.
 Fish, M., Central Falls, R. I. Brushing-machine for loom-harness. No. 900,994; Oct. 13; Sp. p. 1962; Dr. pp. 399-400; Gaz. vol. 136; p. 1402.
 Fish, S. W., assignor to Manganese Steel Safe Company, Plainfield, N. J. Combined reinforced door-frame and vestibule member. No. 903,281; Nov. 10; Sp. p. 1495; Gaz. vol. 137; p. 276.
 Fish, W. C., Lynn, Mass., assignor to General Electric Company. Electric lighting. No. 883,944; Apr. 7; Sp. p. 554; Dr. p. 110; Gaz. vol. 133; p. 1281.
 Fishback, F. R. (See Eastwood and Fishback.)
 Fishback, F. R., assignor to Electric Controller & Supply Company, Cleveland, Ohio. Duplex motor-control system. No. 885,988; Apr. 28; Sp. p. 4794; Dr. p. 1007; Gaz. vol. 133; p. 2037.
 Fishburn, E., Overbrook, Kans. Vehicle-wheel. No. 893,715; July 21; Sp. p. 2703; Dr. p. 567; Gaz. vol. 135; p. 496.
 Fishel, H. W., assignor to Fishel, Nessler & Company, New York, N. Y. Jewel-bar. No. 881,065; Mar. 3; Sp. p. 1142; Dr. p. 247; Gaz. vol. 133; p. 195.
 Fishel, H. W., assignor to Fishel, Nessler & Company, New York, N. Y. Jewel-bar. No. 881,066; Mar. 3; Sp. p. 1143; Dr. p. 247; Gaz. vol. 133; p. 195.
 Fishel, H. W., assignor to Fishel, Nessler & Company, New York, N. Y. Belt-buckle. No. 883,707; Apr. 7; Sp. p. 64; Dr. p. 9; Gaz. vol. 133; p. 1202.
 Fishel, H. W., assignor to Fishel, Nessler & Company, New York, N. Y. Jewel-bar. No. 884,979; Apr. 14; Sp. p. 2675; Dr. p. 569; Gaz. vol. 133; p. 1645.
 Fishel, Nessler & Company. (See Fishel, H. W., assignor.)
 Fisher, C., assignor to International Safe Company, Chicago, Ill. Savings-bank. No. 898,206; Sept. 8; Sp. p. 1974; Dr. p. 421; Gaz. vol. 136; p. 343.
 Fisher, C. J., Oakmont, Pa. Envelop. No. 881,675; Mar. 10; Sp. p. 2352; Dr. p. 509; Gaz. vol. 133; p. 423.
 Fisher, C. W. (See Fry and Fisher.)
 Fisher and Company, J. M. (See Gammelgaard, O. L., assignor.)
 Fisher, D. G. (See Callahan and Fisher.)
 Fisher, E. (See Taylor, Parsons, Mott, Taylor, and Fisher.)
 Fisher, E. C., New York, N. Y. Combined belt pin and clasp. No. 887,618; May 12; Sp. p. 2606; Dr. p. 549; Gaz. vol. 134; p. 450.
 Fisher, E. C., New York, N. Y. Collar-supporting pin. No. 908,233; Dec. 29; Sp. p. 6231; Gaz. vol. 137; p. 2121.

Alphabetical list of patentees—Continued.

- Fisher, E. F., Atkinson, Nebr. Fertilizer-distributer. No. 877,316; Jan. 21; Sp. p. 3368; Dr. p. 729; Gaz. vol. 132; p. 613.
 Fisher, F., Des Moines, Iowa. Hot-air smoke-consuming furnace. No. 889,846; June 2; Sp. p. 1273; Dr. p. 293; Gaz. vol. 134; p. 1266.
 Fisher, F., assignor to I. G. Whitworth, Jr., Ironton, Mo. Lawn-mower. No. 907,138; Dec. 22; Sp. p. 3908; Gaz. vol. 137; p. 1726.
 Fisher, F. C., Blanchester, Ohio. Box construction. No. 893,065; July 14; Sp. p. 1379; Dr. p. 291; Gaz. vol. 135; p. 255.
 Fisher, F. N., Columbus, Kans. Bottle. No. 887,320; May 12; Sp. p. 2019; Dr. p. 422; Gaz. vol. 134; p. 353.
 Fisher, G. H., Scranton, Pa. Fire-starter. No. 894,822; Aug. 4; Sp. p. 44; Dr. p. 9; Gaz. vol. 135; p. 907.
 Fisher, G. W. M. (See Jones, A. A., assignor.)
 Fisher, H., *et al.* (See Fisher, J. C., assignor.)
 Fisher, H. H., San Francisco, Cal. Pipe-cutting machine. No. 891,156; June 16; Sp. p. 3957; Dr. p. 868; Gaz. vol. 134; p. 1754.
 Fisher, H. L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 899,965; Sept. 29; Sp. p. 5431; Dr. p. 1158; Gaz. vol. 136; p. 1008.
 Fisher, H. R. (See Schlosser and Fisher.)
 Fisher, J., Huntington, Ind. Sign-board. No. 887,469; May 12; Sp. p. 2327; Dr. p. 487; Gaz. vol. 134; p. 401.
 Fisher, J., Sac City, Iowa. Apparatus for stretching wire fencing. No. 903,367; Nov. 10; Sp. p. 1658; Gaz. vol. 137; p. 304.
 Fisher, J., St. Paul, Minn., and C. F. Reynolds, West Toledo, Ohio; said Fisher assignor to said Reynolds. Trace-splice. No. 889,114; May 26; Sp. p. 5633; Dr. p. 1193; Gaz. vol. 134; p. 1000.
 Fisher, J. C., New York, N. Y. Dental articulator. No. 892,040; June 30; Sp. p. 5808; Dr. p. 1249; Gaz. vol. 134; p. 2111.
 Fisher, J. C., assignor of one-half to F. L. Van Orden, Houghton, and H. Fisher, Lake Linden, Mich. Concentrating-table. No. 879,250; Feb. 18; Sp. p. 2778; Dr. p. 582; Gaz. vol. 132; p. 1366.
 Fisher, J. F., assignor of one-half to E. W. Worrell, Oceana, W. Va. Wrench. No. 878,197; Feb. 4; Sp. p. 632; Dr. p. 129; Gaz. vol. 132; p. 948.
 Fisher, J. W., Brunswick, Nebr. End-gate. No. 884,916; Apr. 14; Sp. p. 2562; Dr. p. 539; Gaz. vol. 133; p. 1626.
 Fisher, R. (See Sonnenfeld and Fisher.)
 Fisher, R. H., Pittsburg, Pa. Nut-lock. No. 886,787; May 5; Sp. p. 928; Dr. p. 193; Gaz. vol. 134; p. 152.
 Fisher, S. H. (See Schleicher and Fisher.)
 Fisher, W. B. (See Michael, A. C., assignor.)
 Fisher, W. C., assignor to Russell Manufacturing Company, Middletown, Conn. Suspenders. No. 900,090; Oct. 6; Sp. p. 37; Dr. pp. 6-7; Gaz. vol. 136; p. 1080.
 Fisher, W. C., assignor to Russell Manufacturing Company, Middletown, Conn. Cartridge-belt. No. 900,091; Oct. 6; Sp. p. 38; Dr. p. 7; Gaz. vol. 136; p. 1080.
 Fisher, W. C., assignor to Russell Manufacturing Company, Middletown, Conn. Cartridge-belt. No. 900,092; Oct. 6; Sp. p. 39; Dr. p. 7; Gaz. vol. 136; p. 1081.
 Fisher, W. C., assignor to Russell Manufacturing Company, Middletown, Conn. Cartridge-pocket. No. 900,093; Oct. 6; Sp. p. 40; Dr. p. 7; Gaz. vol. 136; p. 1081.
 Fisher, W. C., assignor to Russell Manufacturing Company, Middletown, Conn. Cartridge-belt. No. 900,094; Oct. 6; Sp. p. 41; Dr. p. 8; Gaz. vol. 136; p. 1081.
 Fisher, W. C., assignor to Russell Manufacturing Company, Middletown, Conn. Cartridge-pocket. No. 900,095; Oct. 6; Sp. p. 42; Dr. p. 8; Gaz. vol. 136; p. 1082.
 Fisher, W. C., assignor to Russell Manufacturing Company, Middletown, Conn. Cartridge-pocket. No. 900,096; Oct. 6; Sp. p. 43; Dr. p. 8; Gaz. vol. 136; p. 1082.
 Fisher, W. G. (See Robson and Fisher.)
 Fishering, H. M., Canton, Ohio. Shade-trimmer. No. 898,732; Sept. 15; Sp. p. 2993; Dr. p. 642; Gaz. vol. 136; p. 544.
 Fisk, C. R., Los Angeles, Cal. Carpet-sewing machine. No. 885,672; Apr. 21; Sp. p. 4108; Dr. pp. 860-1; Gaz. vol. 133; p. 1901.
 Fisk, H. M., Pella, Iowa. Traveling capstan. No. 881,568; Mar. 10; Sp. p. 2133; Dr. pp. 465-6; Gaz. vol. 133; p. 388.
 Fisk, J. M., Curlew, Iowa. Car-mover. No. 880,017; Feb. 25; Sp. p. 4399; Dr. p. 924; Gaz. vol. 132; p. 1650.
 Fisk, J. T., Rochester, N. Y., assignor, by mesne assignments, to Metal Specialties Manufacturing Company, Chicago, Ill. Electric lighting device. No. 904,524; Nov. 24; Sp. p. 4098; Gaz. vol. 137; p. 747.
 Fisk, W. B., Upton, Mass. Hair-retaining comb. No. 899,162; Sept. 22; Sp. p. 3801; Dr. p. 813; Gaz. vol. 136; p. 713.
 Fiske, J. M. (See Haywood, D. H., assignor.)
 Fiske, J. P. B., Newton, Mass. Brick-lift. No. 898,733; Sept. 15; Sp. p. 2996; Dr. p. 642; Gaz. vol. 136; p. 545.
 Fiske, W., Medford, Mass., assignor to American Type Founders Company, New York, N. Y. Box-blank. No. 899,212; Sept. 22; Sp. p. 3897; Dr. p. 832; Gaz. vol. 136; p. 729.
 Fister, W. S., assignor of one-half to S. E. Bear, Hamburg, Pa. Car fender. No. 879,095; Feb. 11; Sp. p. 2474; Dr. p. 516; Gaz. vol. 132; p. 1273.
 Fitch, H., Oakland, Cal. Car-fender. No. 907,585; Dec. 22; Sp. p. 4828; Gaz. vol. 137; p. 1877.
 Fitch, J. H., Ludington, Mich. Rotary engine. No. 907,023; Dec. 15; Sp. p. 3662; Gaz. vol. 137; p. 1652.
 Fittall, W. J. (See Conrad and Fittall.)
 Fitts, M. B., Minneapolis, Kans. Clothes-drier. No. 881,784; Mar. 10; Sp. p. 2558; Dr. p. 549; Gaz. vol. 133; p. 457.
 Fitz, A. G., Auburn, Me. Last. No. 882,556; Mar. 24; Sp. p. 4105; Dr. p. 870; Gaz. vol. 133; p. 770.
 Fitz Gerald, W. H., New York, assignor of one-half to B. A. Bloch, Brooklyn, and E. M. Bloch, Sag Harbor, N. Y. Watchcase. No. 885,149; Apr. 21; Sp. p. 3048; Dr. p. 641; Gaz. vol. 133; p. 1734.
 Fitz Gerald, W. H., New York, assignor of one-half to B. A. Bloch, Brooklyn, and E. M. Bloch, Sag Harbor, N. Y. Watchcase. No. 896,633; Aug. 18; Sp. p. 3673; Dr. pp. 788-9; Gaz. vol. 135; p. 1545.
 Fitzgerald, J. (See Lindberg and Fitzgerald.)
 Fitzgerald, J., Newark, N. J. Scissors-sharpener. No. 899,213; Sept. 22; Sp. p. 3898; Dr. p. 832; Gaz. vol. 136; p. 729.
 Fitzgerald, J., and G. Sutton, Baltimore, Md. Tap-bushing for barrels or kegs. No. 906,520; Dec. 15; Sp. p. 2730; Gaz. vol. 137; p. 1495.
 Fitzgerald, J. E., Providence, R. I. Finger-ring. No. 901,333; Oct. 20; Sp. p. 2614; Dr. p. 537; Gaz. vol. 136; p. 1545.
 Fitzgerald, J. F., Albany, N. Y. Non-refillable-bottle stopper. No. 903,693; Nov. 10; Sp. p. 2323; Gaz. vol. 137; p. 408.
 Fitzgerald, J. R., Springfield, Ohio. Sign-board. No. 890,631; June 16; Sp. p. 2920; Dr. p. 639; Gaz. vol. 134; p. 1584.
 Fitzgerald, R. (See Hibbard, M. W., assignor.)
 Fitzgerald, S. P., *et al.* (See Flickenstein, L. J., assignor.)
 Fitzgerald, W. P. (See Armstrong and Fitzgerald.)
 Fitzgerald, W. P., Brooklyn, N. Y., assignor to Crouch & Fitzgerald. Trunk-tray. No. 906,124; Dec. 8; Sp. p. 1988; Gaz. vol. 137; p. 1339.
 Fitzgibbon, J. E., *et al.* (See Traver, F. A., assignor.)
 Fitzgibbon, T. (See Tracey, J. F., assignor.)
 Fitzpatrick, J. C. (See Hagmann and Fitzpatrick.)
 Fitzpatrick, R. T., assignor of one-half to J. H. Mills, St. Louis, Mo. Lock-nut for axles. No. 881,676; Mar. 10; Sp. p. 2353; Dr. p. 509; Gaz. vol. 133; p. 423.
 Fitzpatrick, W., Lowell, Mass. Graphophone-needle. No. 885,989; Apr. 28; Sp. p. 4796; Dr. p. 1007; Gaz. vol. 133; p. 2037.
 Fitzsimmons, C., Pittsburg, Pa. Drawing-pen. No. 892,950; July 7; Sp. p. 1128; Dr. p. 237; Gaz. vol. 135; p. 188.
 Fitzsimmons, C. D. (See Fitzsimmons, R., assignor.)
 Fitzsimmons, J. C., Oakland, Cal. Oil-burner. No. 897,611; Sept. 1; Sp. p. 765; Dr. p. 161; Gaz. vol. 136; p. 121.
 Fitzsimmons, J. C., and J. V. Chown, Oakland, Cal. Building material. No. 890,974; June 16; Sp. p. 3643; Dr. p. 794; Gaz. vol. 134; p. 1697.
 Fitzsimmons, J. F., Hillsdale, Mich., assignor to Ferris Ink Company, Brooklyn, N. Y. Closure, fitting, and case for ink and like bottles or vessels. No. 899,015; Sept. 15; Sp. p. 3510; Dr. p. 751; Gaz. vol. 136; p. 636.
 Fitzsimmons, J. J., Portland, Ore. Changeable-dial watchman's timer. No. 898,405; Sept. 8; Sp. p. 2338; Dr. pp. 496-7; Gaz. vol. 136; p. 406.
 Fitzsimmons, R., assignor to C. D. Fitzsimmons, Philadelphia, Pa. Interchangeable blowpipe. No. 898,860; Sept. 15; Sp. p. 3221; Dr. p. 690; Gaz. vol. 136; p. 586.
 Fitzwater, J. E. (See Kemp, Loomis, and Fitzwater.)
 Fiveash, Z. E., and C. B. Leonard, Rawles Springs, Miss. Wood-distilling apparatus. No. 890,418; June 9; Sp. p. 2467; Dr. p. 546; Gaz. vol. 134; p. 1481.
 Fix, C. H., *et al.* (See Deeg, C., assignor.)
 Fix, E. W., Danville, Ill. Mail-bag catching and delivering mechanism. No. 878,623; Feb. 11; Sp. p. 1582; Dr. pp. 321-2; Gaz. vol. 132; p. 1124.
 Flachshaar, P. (See Baer and Flachshaar.)
 Flageolle, C. G. T. (See Bellows, B. F., assignor.)
 Flagg, E., New York, N. Y. Metal window-sash. No. 887,240; May 12; Sp. p. 1795; Dr. pp. 377-8; Gaz. vol. 134; p. 323.
 Flagg, E., New York, N. Y. Metal window-sash. No. 887,470; May 12; Sp. p. 2328; Dr. pp. 487-8; Gaz. vol. 134; p. 402.
 Flagg, E., New York, N. Y. Metal window-sash. No. 887,738; May 12; Sp. p. 2834; Dr. pp. 599-600; Gaz. vol. 134; p. 492.
 Flagg, E., New York, N. Y. Fireproof-partition construction. No. 907,024; Dec. 15; Sp. p. 3669; Gaz. vol. 137; p. 1654.

Alphabetical list of patentees—Continued.

- Flagg, F. F., and G. W. Smith, assignors to J. A. Sherman, Worcester, Mass. Gumming mechanism for envelop-machines. No. 892,985; July 14; Sp. p. 1205; Dr. p. 255; Gaz. vol. 135; p. 229.
- Flagg, F. F., and G. W. Smith, assignors to J. A. Sherman, Worcester, Mass. Envelop-machine. No. 902,222; Oct. 27; Sp. p. 4501; Dr. pp. 910-11; Gaz. vol. 136; p. 1867.
- Flagg, J. H., New York, N. Y. Safety-razor. No. 895,997; Aug. 11; Sp. p. 2450; Dr. p. 527; Gaz. vol. 135; p. 1320.
- Flagstad, P. C. (See Hauge, O., assignor.)
- Flaig, J., Leon, Wis. Tongue-truck for harvesters and binders. No. 882,820; Mar. 24; Sp. p. 4626; Dr. p. 986; Gaz. vol. 133; p. 857.
- Flaig, M. S., La Crosse, Wis. Combination gas and steam engine. No. 886,199; Apr. 28; Sp. p. 5193; Dr. p. 1093; Gaz. vol. 133; p. 2105.
- Flanagan, D., Clayton-le-Moors, England. Two-reel sewing-machine. No. 908,083; Dec. 29; Sp. p. 5881; Gaz. vol. 137; p. 2070.
- Flanagan, T. (See Murphy, F. M., assignor.)
- Flanary, L. D., Long, Okla. Lister for plows. No. 880,726; Mar. 3; Sp. p. 473; Dr. p. 99; Gaz. vol. 133; p. 83.
- Flanders, C. E., West Brookfield, Mass. Index-cabinet. No. 903,368; Nov. 10; Sp. p. 1660; Gaz. vol. 137; p. 304.
- Flanders, H. A., assignor to Randall-Faichney Company, Boston, Mass. Suture and ligature container. No. 889,361; June 2; Sp. p. 334; Dr. p. 78; Gaz. vol. 134; p. 112.
- Flanders, W., Lisbon, Me. Combined spice-cabinet and pastry-board. No. 894,823; Aug. 4; Sp. p. 46; Dr. p. 10; Gaz. vol. 135; p. 908.
- Flandreau, E. L., Port Chester, N. Y. Griddle. No. 901,087; Oct. 13; Sp. p. 2134; Dr. p. 435; Gaz. vol. 136; p. 1431.
- Flanagin, F. A., Chautauqua, N. Y. Device for cleaning oil-wells. No. 901,287; Oct. 13; Sp. p. 2517; Dr. pp. 516-17; Gaz. vol. 136; p. 1495.
- Flatau, L. S., assignor of one-half to J. P. Gruet, Jr., St. Louis, Mo. Bottle-stopper. No. 887,619; May 12; Sp. p. 2607; Dr. p. 550; Gaz. vol. 134; p. 450.
- Flatau, L. S., St. Louis, Mo., assignor of one-half to J. M. Scholfield, New York, N. Y. Turbine. No. 903,694; Nov. 10; Sp. p. 2324; Gaz. vol. 137; p. 408.
- Flatley, D., Manchester, Mass. Scaffold. No. 881,232; Mar. 10; Sp. p. 1481; Dr. p. 319; Gaz. vol. 133; p. 279.
- Flattery, W., Philadelphia, Pa. Hand-rest. No. 890,132; June 9; Sp. p. 1875; Dr. p. 415; Gaz. vol. 134; p. 1389.
- Flaum, S., *et al.* (See Schwartz, M., assignor.)
- Flautt, M. A. (See Clymans and Flautt.)
- Flavell, D. A., Jersey City, N. J. Automatic weighing-machine. No. 902,485; Oct. 27; Sp. p. 5066; Dr. pp. 1025-6; Gaz. vol. 136; p. 1955.
- Flavin, T. J. (See Foulke and Flavin.)
- Fleck, H., W. G. Haldane, Golden, and E. L. White, Denver, Colo. Extracting uranium and vanadium from ores. No. 880,645; Mar. 3; Sp. p. 311; Gaz. vol. 133; p. 55.
- Fleck, H., W. G. Haldane, Golden, and E. L. White, Denver, Colo. Extracting uranium and vanadium from ores. No. 890,584; June 9; Sp. p. 2789; Gaz. vol. 134; p. 1536.
- Fleck, S. N., New York, N. Y. Name-plate and fastener for rubbers. No. 902,573; Nov. 3; Sp. p. 83; Gaz. vol. 137; p. 14.
- Fleckenstien, J., *et al.* (See Fleckenstien, L. J., assignor.)
- Fleckenstien, L. J., assignor of three-fourths to J. Fleckenstien, J. J. O'Meara, and S. P. Fitzgerald, Kalamazoo, Mich. Button-holder. No. 880,646; Mar. 3; Sp. p. 313; Dr. p. 69; Gaz. vol. 133; p. 55.
- Flecksing, W. H., M. Kercher, and G. W. Henke, Bozeman, Mont. Safety-stirrup. No. 880,288; Feb. 25; Sp. p. 4956; Dr. p. 1047; Gaz. vol. 132; p. 1739.
- Flegel, B. F., Racine, Wis. Fishing-tackle. No. 881,850; Mar. 10; Sp. p. 2693; Dr. p. 576; Gaz. vol. 133; p. 479.
- Fleigel, B., assignor to B. Fleigel & Co., Chelsea, Mass. Sewing-machine attachment. No. 878,718; Feb. 11; Sp. p. 1758; Dr. p. 364; Gaz. vol. 132; p. 1155.
- Fleigel & Co., B. (See Fleigel, B., assignor.)
- Fleischer, R. J., Milwaukee, Wis. Secondary battery. No. 888,602; May 26; Sp. p. 4573; Dr. p. 970; Gaz. vol. 134; p. 835.
- Fleischer, R. J., Milwaukee, Wis. Storage-battery attachment. No. 907,487; Dec. 22; Sp. p. 4626; Gaz. vol. 137; p. 1845.
- Fleischmann, G., McKees Rocks, Pa. Moving device. No. 882,938; Mar. 24; Sp. p. 4878; Dr. p. 1026; Gaz. vol. 133; p. 897.
- Fleischmann, J. C., Lititz, Pa. Nut-lock. No. 889,593; June 2; Sp. p. 801; Dr. p. 182; Gaz. vol. 134; p. 1187.
- Fleischmann, L., Berlin, Germany, assignor to General Electric Company. System of distribution. No. 905,509; Dec. 1; Sp. p. 815; Gaz. vol. 137; p. 1112.
- Fleischmann, L., and G. Stern, Berlin, Germany, assignors to General Electric Company. Control of separately-excited generators provided with auxiliary poles. No. 905,508; Dec. 1; Sp. p. 813; Gaz. vol. 137; p. 1112.
- Fleisher, W. F. (See Kampmeyer and Fleisher.)
- Fleming, A. H., Fairmont, W. Va. Shade-roller bracket. No. 878,624; Feb. 11; Sp. p. 1585; Dr. p. 322; Gaz. vol. 132; p. 1125.
- Fleming, A. H., Fairmont, W. Va. Razor-stopper. No. 882,630; Mar. 24; Sp. p. 4257; Dr. p. 902; Gaz. vol. 133; p. 796.
- Fleming, E., Steubenville, Ohio. Controlling and protecting means for vats and cages. No. 896,444; Aug. 18; Sp. p. 3311; Dr. pp. 712-13; Gaz. vol. 135; p. 1484.
- Fleming, E., Steubenville, Ohio. Retaining-clip. No. 905,862; Dec. 8; Sp. p. 1488; Gaz. vol. 137; p. 1257.
- Fleming, E., Steubenville, Ohio, assignor of one hundred and one two-hundredths to S. B. Stephens, Newport, Ky. Picture-hanger. No. 894,197; July 28; Sp. p. 3808; Dr. p. 789; Gaz. vol. 135; p. 677.
- Fleming, F., Rockford, Ill. Building-directory. No. 895,357; Aug. 4; Sp. p. 1160; Dr. p. 243; Gaz. vol. 135; p. 1088.
- Fleming, H. G. (See Jagers, R. B., assignor.)
- Fleming, J. M., Ottawa, Ontario, Canada. Butter-separator. No. 905,302; Dec. 1; Sp. p. 333; Gaz. vol. 137; p. 1042.
- Fleming, J. M., Iroquois, Ontario, assignor of one-half to H. W. Chamberlin and J. R. Gardner, Ottawa, Canada. Grate-bar and fuel-saver. No. 907,111; Dec. 15; Sp. p. 3834; Gaz. vol. 137; p. 1681.
- Fleming, J. R., Scranton, Pa. Axle-box. No. 902,956; Nov. 3; Sp. p. 852; Gaz. vol. 137; p. 141.
- Fleming, R., Lynn, Mass., assignor to General Electric Company. Gas-cap. No. 876,956; Jan. 21; Sp. p. 2614; Dr. p. 568; Gaz. vol. 132; p. 493.
- Fleming, R., Lynn, Mass., assignor to General Electric Company. Regulator for dynamo-electric machines. No. 885,031; Apr. 21; Sp. p. 2789; Dr. p. 591; Gaz. vol. 133; p. 1696.
- Fleming, R., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 890,763; June 16; Sp. p. 3202; Dr. p. 699; Gaz. vol. 134; p. 1628.
- Fleming, R., Lynn, Mass., assignor to General Electric Company. Arc-lamp headlight. No. 901,432; Oct. 20; Sp. p. 2855; Dr. pp. 533-4; Gaz. vol. 136; p. 1531.
- Fleming, R., Lynn, Mass., assignor to General Electric Company. Regulation of polyphase furnaces. No. 904,194; Nov. 17; Sp. p. 3395; Gaz. vol. 137; p. 610.
- Fleming, R., and C. A. B. Halvorson, Jr., Lynn, Mass., assignors to General Electric Company. Arc-lamp. No. 900,718; Oct. 13; Sp. p. 1386; Dr. p. 282; Gaz. vol. 136; p. 1313.
- Fleming, R., and C. A. B. Halvorson, Jr., Lynn, Mass., assignors to General Electric Company. Arc-lamp. No. 901,529; Oct. 20; Sp. p. 3073; Dr. p. 628; Gaz. vol. 136; p. 1614.
- Fleming, R. E., Mexico, Mo. Churn-operating mechanism. No. 898,207; Sept. 8; Sp. p. 1977; Dr. pp. 421-2; Gaz. vol. 136; p. 343.
- Fleming, W. (See Parsons and Fleming.)
- Fleming, W. J. (See Moore and Fleming.)
- Fleming, W. M., Holyoke, Mass., assignor to International Steam Pump Company, New York, N. Y. Air or vacuum pump. No. 881,116; Mar. 10; Sp. p. 1243; Dr. p. 267; Gaz. vol. 133; p. 241.
- Fleming, W. M., Holyoke, Mass., assignor to International Steam Pump Company, New York, N. Y. Condenser. No. 887,081; May 12; Sp. p. 1484; Dr. p. 315; Gaz. vol. 134; p. 273.
- Fleming, W. P., Port Huron, Mich. Closure. No. 881,067; Mar. 3; Sp. p. 1144; Dr. p. 248; Gaz. vol. 133; p. 195.
- Flemming, R., New Orleans, La. Extension-chair. No. 875,903; Jan. 7; Sp. p. 429; Dr. p. 95; Gaz. vol. 132; p. 78.
- Flemming, R., Jr., New Orleans, La. Sash-fastener. No. 875,904; Jan. 7; Sp. p. 430; Dr. p. 95; Gaz. vol. 132; p. 78.
- Flemming, R., Jr., New Orleans, La. Cheese-cutter. No. 889,449; June 2; Sp. p. 516; Dr. p. 122; Gaz. vol. 134; p. 1141.
- Flemtje, E., Cambridge, Mass. Shock-absorber. No. 899,662; Sept. 29; Sp. p. 4784; Dr. p. 1024; Gaz. vol. 136; p. 909.
- Flemtje, W., Muskegon, Mich. Furrowing-machine. No. 902,388; Oct. 27; Sp. p. 4845; Dr. p. 980; Gaz. vol. 136; p. 1922.
- Fleshman, B. A., and J. M. Koontz, Fayetteville, W. Va. Rail-brace. No. 884,917; Apr. 14; Sp. p. 2563; Dr. p. 539; Gaz. vol. 133; p. 1627.
- Fletcher, C. (See Herbert and Fletcher.)
- Fletcher, E. F., Worcester, Mass. Flue-scraper. No. 886,362; May 5; Sp. p. 41; Dr. p. 8; Gaz. vol. 134; p. 11.
- Fletcher, E. F., Worcester, Mass. Gun-cleaner. No. 904,122; Nov. 17; Sp. p. 3219; Gaz. vol. 137; p. 584.
- Fletcher, F. G., and J. L. Register, O'Brien, Fla. Vehicle-spring. No. 892,041; June 30; Sp. p. 5809; Dr. p. 1249; Gaz. vol. 134; p. 2111.
- Fletcher, F. J., and W. W. Hocker, Coloma, Mich. Nut-lock. No. 893,066; July 14; Sp. p. 1381; Dr. p. 291; Gaz. vol. 135; p. 255.
- Fletcher, G., Houghton, Mich. Skate. No. 875,905; Jan. 7; Sp. p. 431; Dr. p. 95; Gaz. vol. 132; p. 78.
- Fletcher, I. E., Montello, Mass. Rotary shoe-ironer and treeing-machine. No. 878,788; Feb. 11; Sp. p. 1896; Dr. p. 390; Gaz. vol. 132; p. 1178.
- Fletcher, J. B., Newport, Ky. Fluid-motor. No. 885,462; Apr. 21; Sp. p. 3681; Dr. p. 771; Gaz. vol. 133; p. 1837.
- Fletcher, J. R., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Lock. No. 904,860; Nov. 24; Sp. p. 4813; Gaz. vol. 137; p. 861.

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- Fletcher, K. B., Lancaster, N. H., assignor to United Printing Machinery Company, Boston, Mass. Paper-feeder elevator. No. 880,647; Mar. 3; Sp. p. 314; Dr. pp. 69-70; Gaz. vol. 133; p. 56.
- Fletcher, K. B., Lancaster, N. H., assignor to United Printing Machinery Company, Boston, Mass. Paper-feeding machine. No. 880,872; Mar. 3; Sp. p. 798; Dr. pp. 168-9; Gaz. vol. 133; p. 134.
- Fletcher, W. F., Beaver Falls, Pa. Musical instrument. No. 884,806; Apr. 14; Sp. p. 2343; Dr. p. 493; Gaz. vol. 133; p. 1593.
- Flewell, G. W., Grandin, N. D. Grain-separator. No. 892,512; July 7; Sp. p. 242; Dr. p. 51; Gaz. vol. 135; p. 45.
- Flewelling, W. L., and R. W. Pitts, Buffalo Gap, S. D. Cattle-guard. No. 895,548; Aug. 11; Sp. p. 1554; Dr. p. 328; Gaz. vol. 135; p. 1174.
- Flexible Steel Lacing Company. (See Tevander, O. N., assignor.)
- Flichtner, S. E., Englewood, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Adjustable support for vapor-lamps. No. 900,719; Oct. 13; Sp. p. 1389; Dr. p. 283; Gaz. vol. 136; p. 1313.
- Flichtner, S. E., Englewood, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Adjustable support for vapor-lamps. No. 901,288; Oct. 13; Sp. p. 2519; Dr. p. 517; Gaz. vol. 136; p. 1496.
- Flick, C. W., *et al.* (See Broome, H., assignor.)
- Flick, W. S., La Fayette, Ind. Gate. No. 877,920; Feb. 4; Sp. p. 51; Dr. pp. 10-11; Gaz. vol. 132; p. 857.
- Flicker, L., Los Angeles, Cal. Hat-blocking apparatus. No. 896,370; Aug. 18; Sp. p. 3173; Dr. p. 681; Gaz. vol. 135; p. 1460.
- Flickinger, J. H., Seneca Falls, N. Y. Wooden building. No. 888,603; May 26; Sp. p. 4575; Dr. p. 970; Gaz. vol. 134; p. 836.
- Flickinger, K. A. (See Herrick, F. A., assignor.)
- Flickinger, W. B., *et al.*, trustees. (See Pfadt, J. G., assignor.)
- Flindall, J., Chicago, Ill. Time-lock. No. 884,807; Apr. 14; Sp. p. 2344; Dr. p. 493; Gaz. vol. 133; p. 1593.
- Flindall, J., Chicago, Ill. Time-lock. No. 884,808; Apr. 14; Sp. p. 2346; Dr. pp. 493-4; Gaz. vol. 133; p. 1594.
- Flindall, J., Chicago, Ill. Time-lock. No. 884,809; Apr. 14; Sp. p. 2348; Dr. p. 494; Gaz. vol. 133; p. 1594.
- Flindall, J., Chicago, Ill. Foot-rest. No. 896,982; Aug. 25; Sp. p. 4459; Dr. p. 953; Gaz. vol. 135; p. 1684.
- Flindt, C. J. H., Copenhagen, Denmark. Ship-propeller. No. 881,393; Mar. 10; Sp. p. 1804; Dr. p. 390; Gaz. vol. 133; p. 313.
- Fling, W. T., St. Joseph, Mo. Furnace-burner. No. 895,998; Aug. 11; Sp. p. 2452; Dr. p. 527; Gaz. vol. 135; p. 1320.
- Fling, W. T., St. Joseph, Mo. Burner. No. 895,939; Aug. 11; Sp. p. 2453; Dr. p. 527; Gaz. vol. 135; p. 1320.
- Flinn, R. J., Boston, Mass., assignor of one-third to T. F. Flinn, Brooklyn, N. Y. Variable-delivery pump. No. 886,047; Apr. 28; Sp. p. 4914; Dr. pp. 1033-4; Gaz. vol. 133; p. 2055.
- Flinn, T. F. (See Flinn, R. J., assignor.)
- Flinsch & Co. (See Haack and Munzert, assignors.)
- Flint, A. H., Moira, N. Y. Sleigh-knee. No. 879,251; Feb. 18; Sp. p. 2781; Dr. p. 583; Gaz. vol. 132; p. 1366.
- Flint, E., Toronto, Ontario, Canada. Automatic shut-off for pneumatic tubes. No. 886,489; May 5; Sp. p. 292; Dr. p. 61; Gaz. vol. 134; p. 54.
- Flint & Walling Manufacturing Company. (See Macomber, H. H., assignor.)
- Flint & Walling Manufacturing Company. (See Macomber, H. H., assignor.) (Reissue.)
- Flintkote Manufacturing Company. (See Overbury, F. C., assignor.)
- Flintoff, T., Claremont, Western Australia, Australia. Artificial tooth. No. 893,617; July 21; Sp. p. 2523; Dr. p. 526; Gaz. vol. 135; p. 465.
- Flippen, L. F., Greystone, Va. Hand fertilizer-dropper. No. 883,796; Apr. 7; Sp. p. 245; Dr. p. 44; Gaz. vol. 133; p. 1231.
- Flipse, L. F., Sheboygan, Wis. Packing-pad. No. 901,334; Oct. 20; Sp. p. 2617; Dr. p. 537; Gaz. vol. 136; p. 1546.
- Flockinger, F. C. (See Gauntt, G. B., assignor.)
- Flood, J. A., Boston, Mass. Gage for sewing-machines. No. 876,162; Jan. 7; Sp. p. 925; Dr. p. 199; Gaz. vol. 132; p. 157.
- Flood, W. J., Chicago, Ill. Dress-pattern package. No. 891,531; June 23; Sp. p. 4759; Dr. p. 1030; Gaz. vol. 134; p. 1911.
- Floor Scraping Machine Company. (See Murdoch, E. F., assignor.)
- Flora Burner & Lamp Company. (See Flora, E. E., assignor.)
- Flora, E. E., assignor of one-half to W. E. Rothermel, Chicago, Ill. Metal-bound box. (Reissue.) No. 12,800; May 26; Sp. p. 5804; Dr. p. 1232; Gaz. vol. 134; p. 1027.
- Flora, E. E., assignor of one-half to W. E. Rothermel, Chicago, Ill. Metal-bound box. No. 881,785; Mar. 10; Sp. p. 2560; Dr. p. 550; Gaz. vol. 133; p. 457.
- Flora, E. E., assignor of one-half to W. E. Rothermel, Chicago, Ill. Box. No. 892,146; June 30; Sp. p. 6014; Dr. p. 1292; Gaz. vol. 134; p. 2144.
- Flora, E. E., assignor of one-half to W. E. Rothermel, Chicago, Ill. Crate. No. 893,576; July 14; Sp. p. 2437; Dr. p. 507; Gaz. vol. 135; p. 421.
- Flora, E. E., Chicago, Ill., assignor to National Wire Bound Box Company, South Bend, Ind. Wire-bound box. No. 907,586; Dec. 22; Sp. p. 4830; Gaz. vol. 137; p. 1877.
- Flora, E. E., Chicago, Ill., assignor to Flora Burner & Lamp Company. Hydrocarbon-oil burner. No. 908,084; Dec. 29; Sp. p. 5883; Gaz. vol. 137; p. 2070.
- Flora, E. E., and R. J. Zorge, Chicago, Ill., assignors to Zorge Safety Railway Equipment Company. Alarm-signal mechanism. No. 880,134; Feb. 25; Sp. p. 4623; Dr. pp. 975-7; Gaz. vol. 132; p. 1687.
- Flora, E. E., and R. J. Zorge, Chicago, Ill., assignors to Zorge Safety Railway Equipment Company. Alarm-signal mechanism. No. 890,349; June 9; Sp. p. 3339; Dr. pp. 516-17; Gaz. vol. 134; p. 1460.
- Florence Manufacturing Company. (See Ely, F. C., assignor.)
- Florence Manufacturing Company. (See Look, F. N., assignor.)
- Florey, T. J., Washington, N. J., assignor to American Sanitary Works, New York, N. Y. Water-closet seat. No. 889,218; June 2; Sp. p. 64; Dr. p. 14; Gaz. vol. 134; p. 1067.
- Florsheim & Son, S. (See Gardner, M. B., assignor.)
- Floto, M. W., Chicago, Ill. Wire fabric and attaching means therefor. No. 876,340; Jan. 14; Sp. p. 1299; Dr. p. 281; Gaz. vol. 132; p. 246.
- Flournoy, A. H., *et al.* (See Flournoy, P. P., assignor.)
- Flournoy, B. C., *et al.* (See Flournoy, P. P., assignor.)
- Flournoy, E. S., *et al.* (See Flournoy, P. P., assignor.)
- Flournoy, F. C., *et al.* (See Flournoy, P. P., assignor.)
- Flournoy, P. P., Jr., *et al.* (See Flournoy, P. P., assignor.)
- Flournoy, P. P., assignor of one-half to P. P., Jr., B. C., R. W., E. S., A. H., and F. C. Flournoy, Bethesda, Md. Self-filling fountain-pen. No. 879,817; Feb. 18; Sp. p. 3954; Dr. p. 827; Gaz. vol. 132; p. 1551.
- Flournoy, R. W., *et al.* (See Flournoy, P. P., assignor.)
- Flowers, E. L., Hickory, N. C. Fire-escape. No. 883,104; Mar. 24; Sp. p. 5178; Dr. p. 1106; Gaz. vol. 133; p. 949.
- Flowers, J. C., St. Joseph, Mo. Washing-machine. No. 900,505; Oct. 6; Sp. p. 939; Dr. p. 191; Gaz. vol. 136; p. 1215.
- Flowers, J. H., assignor of one-half to J. O. Rutter, Enterprise, Oreg. Mechanical movement. No. 905,683; Dec. 1; Sp. p. 1130; Gaz. vol. 137; p. 1166.
- Flowers, J. W., and L. H. Jernigan, Portland, Fla. Rail-joint. No. 905,863; Dec. 8; Sp. p. 1489; Gaz. vol. 137; p. 1257.
- Flowers, W. A., Tifton, Ga. Wrench. No. 891,683; June 23; Sp. p. 5093; Dr. p. 1099; Gaz. vol. 134; p. 1962.
- Floyd, G. G., Granite, Ill., assignor to American Steel Foundries, New York, N. Y. Cast-metal car-bolster. No. 876,448; Jan. 14; Sp. p. 1536; Dr. p. 330; Gaz. vol. 132; p. 283.
- Floyd, G. G., Granite, Ill., assignor to American Steel Foundries, New York, N. Y. Car-truck. No. 877,185; Jan. 21; Sp. p. 3101; Dr. p. 671; Gaz. vol. 132; p. 570.
- Floyd, G. G., Granite, Ill., assignor to American Steel Foundries, New York, N. Y. Spring-plank seat for car-trucks. No. 877,495; Jan. 28; Sp. p. 3711; Dr. p. 803; Gaz. vol. 132; p. 692.
- Floyd, G. G., Granite, Ill., assignor to American Steel Foundries, New York, N. Y. Side frame and journal-box. No. 878,875; Feb. 11; Sp. p. 2053; Dr. p. 475; Gaz. vol. 132; p. 1205.
- Floyd, G. G., Granite, Ill., assignor to American Steel Foundries, New York, N. Y. Truck for railway-cars. No. 903,556; Nov. 10; Sp. p. 2051; Gaz. vol. 137; p. 366.
- Floyd, G. G., Granite, Ill., assignor to American Steel Foundries, New York, N. Y., and Chicago, Ill. Car-truck side frame and brake-hanger. No. 905,165; Dec. 1; Sp. p. 84; Gaz. vol. 137; p. 997.
- Floyd, G. G., Granite, and C. F. Murray, Chicago, Ill., assignors to American Steel Foundries, New York, N. Y. Column-guide and bolster construction for car-trucks. No. 895,737; Aug. 11; Sp. p. 1929; Dr. pp. 408-9; Gaz. vol. 135; p. 1236.
- Floyd, W., Mastie, N. Y. Starter for motor-car engines. No. 906,789; Dec. 15; Sp. p. 3231; Gaz. vol. 137; p. 1580.
- Fluegelman, I., New York, N. Y. Ticket ejecting and registering device. No. 890,632; June 16; Sp. p. 2922; Dr. p. 640; Gaz. vol. 134; p. 1585.
- Fluegelman, I., New York, N. Y. Collapsible portable box-office. No. 890,633; June 16; Sp. p. 2926; Dr. pp. 640-1; Gaz. vol. 134; p. 1585.
- Fluegelman, I., New York, N. Y. Window-cleaning device. No. 893,231; July 14; Sp. p. 1705; Dr. p. 360; Gaz. vol. 135; p. 308.
- Flyberg, E. E., Baudette, Minn. Scissors. No. 879,618; Feb. 18; Sp. p. 3567; Dr. p. 747; Gaz. vol. 132; p. 1485.
- Flynn, B. A., New York, and F. C. Rothenberger, Brooklyn, N. Y. Fishing-reel. No. 900,842; Oct. 13; Sp. p. 1650; Dr. p. 334; Gaz. vol. 136; p. 1354.
- Flynn, D. W., Viola, Ill. Device for facilitating the tying of corn-tops. No. 886,048; Apr. 28; Sp. p. 4917; Dr. p. 1034; Gaz. vol. 133; p. 2055.

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- Flynn, J. E., Austin, Pa. Grab-hook. No. 883,945; Apr. 7; Sp. p. 555; Dr. p. 111; Gaz. vol. 133; p. 1281.
 Flynn, J. J., Philadelphia, Pa. Catcher for mail-pouches. No. 896,288; Aug. 18; Sp. p. 3002; Dr. pp. 645-6; Gaz. vol. 135; p. 1435.
 Flynn, M., Superior, Wis. Thresher-concave. No. 896,097; Aug. 18; Sp. p. 2629; Dr. p. 569; Gaz. vol. 135; p. 1373.
 Flynn, M., Paterson, N. J. Safety-razor. No. 901,530; Oct. 20; Sp. p. 3077; Dr. p. 629; Gaz. vol. 136; p. 1614.
 Flynn, M. H., Hartford, Conn., assignor to Royal Typewriter Company, Hoboken, N. J. Type-writing machine. No. 885,742; Apr. 28; Sp. p. 4271; Dr. p. 893; Gaz. vol. 133; p. 1954.
 Flynn, M. J., New York, assignor of one-half to E. W. McCarty, Brooklyn, N. Y. Door-check. No. 897,825; Sept. 1; Sp. p. 1187; Dr. p. 252; Gaz. vol. 136; p. 188.
 Flynn, M. L., Dallas, Tex. Copy-holder. No. 899,520; Sept. 29; Sp. p. 4488; Dr. p. 964; Gaz. vol. 136; p. 863.
 Flynt, F. C., Pensacola, Fla. Drafting instrument. No. 890,040; June 9; Sp. p. 1705; Dr. p. 378; Gaz. vol. 134; p. 1359.
 Focattis, A. de, New Orleans, La. Distilling apparatus and method of distillation. No. 898,861; Sept. 15; Sp. p. 3222; Dr. p. 691; Gaz. vol. 136; p. 586.
 Focht, G., Hoboken, N. J. Hoisting-bucket. No. 894,128; July 21; Sp. p. 3646; Dr. p. 751; Gaz. vol. 135; p. 634.
 Focht, G., Hoboken, N. J. Hoisting-bucket. No. 902,223; Oct. 27; Sp. p. 4504; Dr. p. 911; Gaz. vol. 136; p. 1867.
 Fockety, J., Antwerp, Belgium. Life-belt apparatus. No. 885,918; Apr. 28; Sp. p. 4631; Dr. p. 973; Gaz. vol. 133; p. 2013.
 Fodor, A., Budapest, Austria-Hungary. Apparatus for connecting conducting and other wires. No. 902,389; Oct. 27; Sp. p. 4846; Dr. p. 980; Gaz. vol. 136; p. 1922.
 Foelsing, A., Offenbach-on-the-Main, Germany. Production of pure caoutchouc. No. 894,490; July 28; Sp. p. 4420; Gaz. vol. 135; p. 774.
 Foersterling, H., Perth Amboy, N. J., assignor to Roessler & Hasslacher Chemical Co., New York, N. Y. Apparatus for making stannic oxid. No. 880,873; Mar. 3; Sp. p. 801; Dr. p. 170; Gaz. vol. 133; p. 134.
 Foersterling, H., and H. Philipp, Perth Amboy, N. J., assignors to Roessler & Hasslacher Chemical Co., New York, N. Y. Generating hydrogen. No. 883,531; Mar. 31; Sp. p. 6096; Dr. p. 1296; Gaz. vol. 133; p. 1119.
 Foersterling, H., Perth Amboy, N. J., and H. R. Carveth, Niagara Falls, assignors to Roessler & Hasslacher Chemical Co., New York, N. Y. Making molten peroxids. No. 879,452; Feb. 18; Sp. p. 3216; Dr. p. 669; Gaz. vol. 132; p. 1431.
 Fogarty, T. C., F. W. Brock, and F. A. Bowdler, Chatham, Ill. Electric railway-signal. No. 898,862; Sept. 15; Sp. p. 3226; Dr. pp. 691-2; Gaz. vol. 136; p. 587.
 Fogde, M. (See Luckett and Fogde.)
 Fogg, C. F., New York, N. Y. Account-register. No. 883,306; Mar. 31; Sp. p. 5619; Dr. pp. 1198-9; Gaz. vol. 133; p. 1047.
 Fogg, J. R., Kennett Square, Pa. Rock-crusher. No. 904,946; Nov. 24; Sp. p. 4980; Gaz. vol. 137; p. 888.
 Fogg, N. T., Sanford, Me. Rein-catching device. No. 903,282; Nov. 10; Sp. p. 1499; Gaz. vol. 137; p. 276.
 Fogler, G. L., Pittsburg, Pa., assignor to Fogler Heat and Reduction Company, Tacoma, Wash. Reducing ores. No. 908,234; Dec. 29; Sp. p. 6232; Gaz. vol. 137; p. 2121.
 Fogler Heat and Reduction Company. (See Fogler, G. L., assignor.)
 Fokken, A. A., Raymond, S. D. Manure-spreader. No. 895,358; Aug. 4; Sp. p. 1161; Dr. pp. 243-4; Gaz. vol. 135; p. 1088.
 Folberth, F. G. (See Folberth, W. and F. G.)
 Folberth, W. and F. G., Cleveland, Ohio. Quick-release nut. No. 900,843; Oct. 13; Sp. p. 1651; Dr. p. 334; Gaz. vol. 136; p. 1354.
 Foldvik, H., Denver, assignor of one-half to T. Rendahl, Georgetown, and C. Hultberg, Denver, Colo. Pole-climber. No. 877,418; Jan. 21; Sp. p. 3552; Dr. p. 768; Gaz. vol. 132; p. 646.
 Foley, A. G., assignor of one-half to J. R. Carroll, East Hartford, Conn. Detector-bar for railway-switches. No. 902,066; Oct. 27; Sp. p. 4184; Dr. p. 847; Gaz. vol. 136; p. 1817.
 Foley, G. M., Chicago, Ill. Mail-pouch-catching device. No. 898,208; Sept. 8; Sp. p. 1978; Dr. p. 422; Gaz. vol. 136; p. 343.
 Foley, J. A., Philadelphia, Pa. Educational device. No. 889,515; June 2; Sp. p. 655; Dr. p. 152; Gaz. vol. 134; p. 1162.
 Foley, J. B., New Haven, Conn. Car-rack. No. 878,198; Feb. 4; Sp. p. 633; Dr. p. 130; Gaz. vol. 132; p. 949.
 Foley, J. E., Pontiac, Mich. Automobile-hub. No. 888,330; Apr. 21; Sp. p. 3435; Dr. p. 716; Gaz. vol. 133; p. 1795.
 Foley, J. S. (See Birch and Foley.)
 Foley, P. F., assignor of one-half to C. W. Hoffman, New York, N. Y. Safety mechanism for elevators. No. 900,158; Oct. 6; Sp. p. 180; Dr. p. 38; Gaz. vol. 136; p. 1102.
 Foley, R. H., Mystic, Conn. Shade and curtain bracket. No. 880,135; Feb. 25; Sp. p. 4630; Dr. pp. 977-8; Gaz. vol. 132; p. 1687.
 Folger, H. C., Everett, Mass. Car-seal. No. 882,670; Mar. 24; Sp. p. 4333; Dr. p. 922; Gaz. vol. 133; p. 808.
 Folger, L. S. (See Smith, E. C., assignor.)
 Folk, P. A., Spokane, Wash. Cover-fastening means for use on washing-machines. No. 896,525; Aug. 18; Sp. p. 3488; Dr. p. 749; Gaz. vol. 135; p. 1512.
 Folkerts, R., Lakefield, Minn. Scraper. No. 882,056; Mar. 17; Sp. p. 3161; Dr. p. 672; Gaz. vol. 133; p. 574.
 Follmer, J., and J. Wlacosky, Denver, Colo. Swing. No. 902,486; Oct. 27; Sp. p. 5070; Dr. p. 1026; Gaz. vol. 136; p. 1955.
 Follmer, W. F., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Roller-blind shutter. No. 885,236; Apr. 21; Sp. p. 3235; Dr. p. 675; Gaz. vol. 133; p. 1763.
 Folsom, A. C., et al. (See Blackadar, Z. S., assignor.)
 Folsom, H. P., and H. Jones, Circleville, Ohio. Sterilizing and preserving posts and poles. No. 894,619; July 28; Sp. p. 4678; Dr. p. 971; Gaz. vol. 135; p. 815.
 Folts, H. J., St. Cloud, assignor, by mesne assignments, to Maplebay Manufacturing Company, Crookston, Minn. Screen for grain-separators. No. 891,239; June 23; Sp. p. 4162; Dr. p. 911; Gaz. vol. 134; p. 1815.
 Foltz, D. F., Calumet, Okla. Fumigator. No. 902,574; Nov. 3; Sp. p. 83; Gaz. vol. 137; p. 14.
 Foltz, G. T. (See Hawley, H., assignor.)
 Foltz, G. T., Wytheville, Va. Shoulder-brace. No. 877,560; Jan. 28; Sp. p. 3859; Dr. p. 835; Gaz. vol. 132; p. 714.
 Foltz, H. J., Akron, Ohio. Convertible window-sash. No. 876,050; Jan. 7; Sp. p. 700; Dr. p. 150; Gaz. vol. 132; p. 121.
 Fomni, G., Leipzig, Reudnitz, Germany. Paper-cutting machine. No. 901,088; Oct. 13; Sp. p. 2135; Dr. p. 435; Gaz. vol. 136; p. 1432.
 Fomni, G., Leipzig-Reudnitz, Germany. Paper-cutting machine. No. 904,474; Nov. 17; Sp. p. 3970; Gaz. vol. 137; p. 704.
 Fonde, G. H., et al. (See Brodton, E. R., assignor.)
 Fontaine, A. B. (See Lovejoy, A. W., assignor.)
 Fontaine, J. B., Marlboro, assignor to G. D. Barber, trustee, Worcester, Mass. Polishing-wheel. No. 876,163; Jan. 7; Sp. p. 926; Dr. p. 200; Gaz. vol. 132; p. 157.
 Fontaine, R. A., Fontaine, Va. Water-wheel. No. 893,790; July 21; Sp. p. 2947; Dr. p. 602; Gaz. vol. 135; p. 522.
 Fontana, R. G., San Francisco, Cal. Cherry-stemmer. No. 883,708; Apr. 7; Sp. p. 65; Dr. p. 10; Gaz. vol. 133; p. 1203.
 Foos Manufacturing Company. (See Bauer, L. E., assignor.)
 Foot, W. H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cross connection for dynamo-electric machines. No. 882,242; Mar. 17; Sp. p. 3510; Dr. p. 745; Gaz. vol. 133; p. 633.
 Foote, A. F., New York, N. Y. Powder-can. No. 890,634; June 16; Sp. p. 2923; Dr. p. 641; Gaz. vol. 134; p. 1585.
 Foote, C. F., Salida, Colo. Pulley. No. 878,054; Feb. 4; Sp. p. 332; Dr. p. 69; Gaz. vol. 132; p. 902.
 Foote, C. F., Salida, Colo. Cleat. No. 890,854; June 16; Sp. p. 3375; Dr. p. 740; Gaz. vol. 134; p. 1653.
 Foote, F. M., Marshall, Mich. Roller-bearing. No. 886,200; Apr. 28; Sp. p. 5194; Dr. p. 1093; Gaz. vol. 133; p. 2105.
 Foote, H. M. (See Blanchard and Foote.)
 Foote, J. H., Chicago, Ill. Bath-pad. No. 879,619; Feb. 18; Sp. p. 3568; Dr. p. 747; Gaz. vol. 132; p. 1486.
 Foote, T. M., Allston, Mass. Course and log recorder. No. 886,788; May 5; Sp. p. 930; Dr. pp. 194-6; Gaz. vol. 134; p. 153.
 Footitt, W. J., Carrington, N. D., assignor to Advance Thresher Co., Battle Creek, Mich. Band-cutter and feeder. No. 902,391; Oct. 27; Sp. p. 4849; Dr. p. 981; Gaz. vol. 136; p. 1923.
 Foran, M. P., Johannesburg, Transvaal. Developing-tray. No. 880,377; Feb. 25; Sp. p. 5118; Dr. p. 1081; Gaz. vol. 132; p. 1767.
 Forbes, C., New York, N. Y. Apparatus for demonstrating and illustrating wave motions. No. 903,074; Nov. 3; Sp. p. 1090; Gaz. vol. 137; p. 178.
 Forbes, J. S., Philadelphia, Pa. Blow-off valve. No. 900,506; Oct. 6; Sp. p. 940; Dr. pp. 191-2; Gaz. vol. 136; p. 1215.
 Forbes, W. C., Melbourne, Victoria, Australia. Distance and course recorder for ships. No. 881,068; Mar. 3; Sp. p. 1145; Dr. p. 248; Gaz. vol. 133; p. 196.
 Forbes, W. D., Morristown, N. J. Headlight for automobiles, &c. No. 880,289; Feb. 25; Sp. p. 4958; Dr. p. 1047; Gaz. vol. 132; p. 1740.
 Forbus, N. C., Hartford, Ark. Indicator. No. 899,966; Sept. 29; Sp. p. 5436; Dr. p. 1159; Gaz. vol. 136; p. 1009.
 Forcier, J., Seattle, Wash. Apparatus for launching boats. No. 880,018; Feb. 25; Sp. p. 4401; Dr. p. 924; Gaz. vol. 132; p. 1650.
 Forcier, S. P., Detroit, Mich. Planter. No. 901,235; Oct. 13; Sp. p. 2395; Dr. p. 491; Gaz. vol. 136; p. 1478.
 Ford, A., Washington, D. C. Device for regulating and justifying reproduced sound. No. 888,986; May 26; Sp. p. 5374; Dr. p. 1141; Gaz. vol. 134; p. 959.
 Ford, A. F., Winona, Wash. Rotary engine. No. 876,707; Jan. 14; Sp. p. 2104; Dr. p. 458; Gaz. vol. 132; p. 372.
 Ford, A. H., Westville, Tex., assignor of one-half to W. E. Patterson, Lake Charles, La. Smoke-consumer and artificial draft. No. 879,453; Feb. 18; Sp. p. 3217; Dr. p. 669; Gaz. vol. 132; p. 1432.
 Ford, A. J., assignor to Fuchs & Lang Mfg. Co., New York, N. Y. Coating-machine. No. 877,186; Jan. 21; Sp. p. 3103; Dr. pp. 671-2; Gaz. vol. 132; p. 571.

Alphabetical list of patentees—Continued.

- Ford, B. L. (See Hickman and Ford.)
 Ford, C. H., and E. H. Boston, Richmond, Ind. Napkin-holder. No. 885,331; Apr. 21; Sp. p. 3436; Dr. p. 717; Gaz. vol. 133; p. 1795.
 Ford, E. A. (See McTammany and Ford.)
 Ford, E. H., New Bedford, assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. No. 907,982; Dec. 29; Sp. p. 5678; Gaz. vol. 137; p. 2036.
 Ford, E. T., and F. F. Wassam, Dunkirk, Ind. Rail-fastening device. No. 906,402; Dec. 8; Sp. p. 2501; Gaz. vol. 137; p. 1430.
 Ford, E. T., and F. F. Wassam, Dunkirk, Ind. Rail-fastening device. No. 906,403; Dec. 8; Sp. p. 2502; Gaz. vol. 137; p. 1430.
 Ford, E. W. (See Richardson and Ford.)
 Ford, G. A., assignor to H. S. Ford, Cleveland, Ohio. Storage battery. No. 895,549; Aug. 11; Sp. p. 1555; Dr. pp. 328-9; Gaz. vol. 135; p. 1175.
 Ford, H. (See Huff, E. S., assignor.)
 Ford, H., Detroit, Mich. Piston-ring. No. 879,757; Feb. 18; Sp. p. 3832; Dr. p. 803; Gaz. vol. 132; p. 1531.
 Ford, H. C., Syracuse, N. Y., assignor to Dey Time Register Co. Registration-controller for time-recorders. No. 898,042; Sept. 8; Sp. p. 1661; Dr. p. 353; Gaz. vol. 136; p. 291.
 Ford, H. R., Buffalo, N. Y. Coal and rock drill. No. 882,878; Mar. 24; Sp. p. 4754; Dr. p. 1011; Gaz. vol. 133; p. 876.
 Ford, H. S. (See Ford, G. A., assignor.)
 Ford, J., Philadelphia, Pa. Hose-nozzle. No. 907,025; Dec. 15; Sp. p. 3670; Gaz. vol. 137; p. 1654.
 Ford, J. H., U. S. Army. Microscope. No. 883,868; Apr. 7; Sp. p. 401; Dr. p. 78; Gaz. vol. 133; p. 1255.
 Ford, J. O., Jacksonville, Tex. Supporting-stake. No. 904,769; Nov. 24; Sp. p. 4607; Gaz. vol. 137; p. 829.
 Ford, T. B., New York, N. Y. Automatic controller for the speed of automobiles. No. 876,164; Jan. 7; Sp. p. 927; Dr. p. 200; Gaz. vol. 132; p. 158.
 Ford, T. P., Pikeville, Ohio. Tobacco-stripper. No. 904,770; Nov. 24; Sp. p. 4608; Gaz. vol. 137; p. 829.
 Ford, T. S., Marshalltown, Iowa. Counting-board. No. 888,425; May 19; Sp. p. 4195; Dr. pp. 889-90; Gaz. vol. 134; p. 744.
 Ford, W. C., Lawrence, Mass. Shoe-black machine. No. 902,390; Oct. 27; Sp. p. 4848; Dr. p. 981; Gaz. vol. 136; p. 1922.
 Ford, W. H., Lowell, Mass. Leg-brace. No. 894,264; July 28; Sp. p. 3959; Dr. p. 816; Gaz. vol. 135; p. 699.
 Forde, T. J., Geneva, Ohio. Gasolene heating and lighting apparatus. No. 883,946; Apr. 7; Sp. p. 556; Dr. p. 111; Gaz. vol. 133; p. 1281.
 Forder, M., Thief River Falls, Minn. Coupling. No. 891,532; June 23; Sp. p. 4760; Dr. p. 1031; Gaz. vol. 134; p. 1911.
 Fordyce, J. R., Little Rock, Ark. Plant for storing and compressing cotton. No. 897,971; Sept. 8; Sp. p. 1520; Dr. pp. 322-3; Gaz. vol. 136; p. 269.
 Fordyce, J. R., Atlanta, Ga. Plant for handling baled cotton. No. 897,972; Sept. 8; Sp. p. 1523; Dr. pp. 323-4; Gaz. vol. 136; p. 269.
 Foreman, D. H. (See Herr, Groves, and Foreman.)
 Foreman, E. J., Trinidad Colo. Insulator. No. 884,142; Apr. 7; Sp. p. 1002; Dr. p. 209; Gaz. vol. 133; p. 1346.
 Foreman, J. D., Hudson, Mich. Zither. No. 905,166; Dec. 1; Sp. p. 87; Gaz. vol. 137; p. 997.
 Foreman, L. M., Huntington, W. Va. Oil-can. No. 897,729; Sept. 1; Sp. p. 988; Dr. p. 210; Gaz. vol. 136; p. 159.
 Foreman, W. D., Chicago, Ill. Timing device for jump-spark ignition systems. No. 889,450; June 2; Sp. p. 517; Dr. p. 122; Gaz. vol. 134; p. 1141.
 Foresman, R. E. (See Shane and Foresman.)
 Forest Furniture Company *et al.* (See Barnes, J. S., assignor.)
 Forester, G. G., Bagley, Iowa. Gasolene engine and pump drain. No. 882,496; Mar. 17; Sp. p. 3961; Dr. p. 847; Gaz. vol. 133; p. 717.
 Forg, P., Somerville, Mass. Door-catch. No. 896,817; Aug. 25; Sp. p. 4075; Dr. p. 877; Gaz. vol. 135; p. 1629.
 Forged Steel Wheel Company. (See Hansen, J. M., assignor.)
 Forget, A. J., Los Angeles, Cal. Apparatus for the recovery of precious metals from slimes, &c. No. 893,472; July 14; Sp. p. 2197; Dr. p. 461; Gaz. vol. 135; p. 387.
 Forgham, T. (See Bennett, G. M., assignor.)
 Forgie, J., *et al.* (See Vandevort, F. F., assignor.)
 Forhan, H. L., Portland, Me. Revolver for processing canned goods. No. 885,332; Apr. 21; Sp. p. 3436; Dr. p. 717; Gaz. vol. 133; p. 1796.
 Forhan, H. L., Portland, Me. Revolver for processing canned goods. No. 900,064; Sept. 29; Sp. p. 5662; Dr. p. 1210; Gaz. vol. 136; p. 1041.
 Forker, J. O., New York, N. Y. Fly-paper holder. No. 906,867; Dec. 15; Sp. p. 3390; Gaz. vol. 137; p. 1604.
 Forman, J., Baltimore, Md. Garment-fastener. No. 888,987; May 26; Sp. p. 5378; Dr. p. 1141; Gaz. vol. 134; p. 959.
 Forman, W. E., Centergrove, Ala. Penholder. No. 876,708; Jan. 14; Sp. p. 2105; Dr. p. 458; Gaz. vol. 132; p. 372.
 Fornander, A. (See Cooke and Fornander.)
 Forney, E. W., Galena, Kans. Pin-holder. No. 892,820; July 7; Sp. p. 844; Dr. p. 180; Gaz. vol. 135; p. 144.
 Forrer, A., Ramsey, N. J. Spirit-level attachment. No. 896,371; Aug. 18; Sp. p. 3174; Dr. p. 681; Gaz. vol. 135; p. 1461.
 Forrest, B. W., Memphis, Tenn. Bridle-bit. No. 890,419; June 9; Sp. p. 2469; Dr. p. 547; Gaz. vol. 134; p. 1482.
 Forrest, C. N., Brooklyn, N. Y., assignor to Barber Asphalt Paving Company, Philadelphia, Pa. Brewers' pitch. No. 877,888; Jan. 28; Sp. p. 4462; Gaz. vol. 132; p. 818.
 Forrest, R., Philadelphia, Pa. Game-board. No. 890,897; June 16; Sp. p. 3455; Dr. p. 757; Gaz. vol. 134; p. 1670.
 Forrester, J. B. (See Sattler, M. D., assignor.)
 Forrester, P. C., Tacoma, Wash. Sand-brick machine. No. 889,920; June 9; Sp. p. 1441; Dr. p. 325; Gaz. vol. 134; p. 1317.
 Forsberg, E. A., assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal separator. No. 892,513; July 7; Sp. p. 245; Dr. p. 51; Gaz. vol. 135; p. 45.
 Forsberg, E. A., assignor to Aktiebolaget Separator, Stockholm, Sweden. Feed device for centrifugal separators. No. 903,369; Nov. 10; Sp. p. 1661; Gaz. vol. 137; p. 304.
 Forse, V. K., Los Angeles, Cal. Corset-clasp. No. 885,033; Apr. 21; Sp. p. 2794; Dr. p. 591; Gaz. vol. 133; p. 1696.
 Forsell, C. F., and T. Ekroot, Duluth, Minn. Convertible cot and pack-sack. No. 878,055; Feb. 4; Sp. p. 333; Dr. p. 69; Gaz. vol. 132; p. 902.
 Forshoe, J. (See Ensign and Hazard, assignors.)
 Forssman, H. W., New York, N. Y. Strainer. No. 895,446; Aug. 11; Sp. p. 1343; Dr. p. 283; Gaz. vol. 135; p. 1140.
 Forster, B., Middletown, Conn., assignor to J. K. Lanning, Boston, Mass. Stop-motion for looms. No. 888,796; May 26; Sp. p. 4978; Dr. p. 1062; Gaz. vol. 134; p. 897.
 Forster, G. R., Fithian, and J. Coan, Westville, Ill.; said Forster assignor to said Coan. Automatic railway switch and signal. No. 903,462; Nov. 10; Sp. p. 1848; Gaz. vol. 137; p. 335.
 Forster, O., Baltimore, Md. Bar-fixture. No. 904,253; Nov. 17; Sp. p. 3522; Gaz. vol. 137; p. 630.
 Forster, S. S., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 905,805; Dec. 1; Sp. p. 1367; Gaz. vol. 137; p. 1207.
 Forstner, T., New Ulm, Minn. Rein-coupling. No. 876,341; Jan. 14; Sp. p. 1302; Dr. p. 281; Gaz. vol. 132; p. 247.
 Forsyth, A., Aurora, Ill. Machine for grinding locomotive-frames. No. 888,604; May 26; Sp. p. 4576; Dr. pp. 970-1; Gaz. vol. 134; p. 836.
 Forsyth Brothers Company. (See Gallagher, F. S., assignor.)
 Forsyth Brothers Company. (See Stucki, A., assignor.)
 Forsyth, G. H., Chicago, Ill. Curtain-fixture. No. 879,533; Feb. 18; Sp. p. 3366; Dr. p. 703; Gaz. vol. 132; p. 1458.
 Forsyth, G. H., Chicago, Ill. Metal window construction. No. 882,671; Mar. 24; Sp. p. 4334; Dr. p. 923; Gaz. vol. 133; p. 809.
 Forsyth, J. B., Boston, Mass. Rubber roll or ring. No. 896,000; Aug. 11; Sp. p. 2453; Dr. p. 528; Gaz. vol. 135; p. 1320.
 Forsyth, L., Hagerstown, Md. Drawing-table. No. 879,620; Feb. 18; Sp. p. 3569; Dr. p. 747; Gaz. vol. 132; p. 1486.
 Forsyth Manufacturing Company. (See Stanton, L., assignor.)
 Forsyth, E., and W. W. Hanscom, San Francisco, Cal. Automatic stoking-indicator mechanism. No. 897,280; Sept. 1; Sp. p. 29; Dr. pp. 7-8; Gaz. vol. 136; p. 8.
 Forsyth & Sons, W. (See Forsyth, W. R., assignor.)
 Forsyth, W. R., assignor to W. Forsyth & Sons, Lynn, Mass. Die-block. No. 896,372; Aug. 18; Sp. p. 3176; Dr. p. 681; Gaz. vol. 135; p. 1461.
 Forsythe, L. K., Battle Creek, assignor to one-half to W. L. Davies, Detroit, Mich. Pulverizing stone. No. 878,515; Feb. 11; Sp. p. 1333; Gaz. vol. 132; p. 1087.
 Fort, H. K. (See Wilson, F. K., assignor.)
 Fort, J., assignor to one-half to G. Gartling, Los Angeles, Cal. Underreamer. No. 905,303; Dec. 1; Sp. p. 335; Gaz. vol. 137; p. 1042.
 Fort Pitt Bedding Company. (See Pennepacker, H. W., assignor.) (Reissue.)
 Fort Pitt Bedding Company. (See Trimble, C. F., assignor.)
 Fort Worth Gin Machinery Company. (See Simmons, T. J., assignor.)
 Forté, L., Paris, France. Life-belt. No. 882,057; Mar. 17; Sp. p. 3161; Dr. p. 672; Gaz. vol. 133; p. 574.
 Forter Miller Engineering Company. (See Waldburger, J. A., assignor.)
 Fortescue, C. L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer. No. 879,158; Feb. 18; Sp. p. 2604; Dr. p. 542; Gaz. vol. 133; p. 1335.

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- Fortescue, C. L., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multiple-ratio transformer. No. 879,252; Feb. 18; Sp. p. 2782; Dr. p. 583; Gaz. vol. 132; p. 1366.
- Forth, J. F., Syracuse, N. Y. Optical testing instrument. No. 893,232; July 14; Sp. p. 1708; Dr. p. 360; Gaz. vol. 135; p. 309.
- Fortier, C. L., Milwaukee, Wis. Type-writing machine. No. 878,789; Feb. 11; Sp. p. 1898; Dr. p. 391; Gaz. vol. 132; p. 1178.
- Fortin, B. P., Philadelphia, Pa. Machinist's jig. No. 883,869; Apr. 7; Sp. p. 405; Dr. pp. 78-9; Gaz. vol. 133; p. 1255.
- Fortin, B. P., Woonsocket, R. I., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 891,766; June 23; Sp. p. 5239; Dr. pp. 1135-6; Gaz. vol. 134; p. 1989.
- Fortner, A., St. Elmo, Ill. Vehicle-spring. No. 886,967; May 5; Sp. p. 1253; Dr. p. 265; Gaz. vol. 134; p. 207.
- Forton, D. E. (See Rohen and Forton.)
- Fortuny, M., Paris, France. Theatrical property. No. 895,359; Aug. 4; Sp. p. 1166; Dr. p. 245; Gaz. vol. 135; p. 1088.
- Forwood, D. F., Taylor, Tex. Cover. No. 881,851; Mar. 10; Sp. p. 2694; Dr. p. 576; Gaz. vol. 133; p. 479.
- Foschinbaur, J. F., Ridgeland, assignor to Union Special Sewing Machine Company, Chicago, Ill. Folding-guide for sewing-machines. No. 879,621; Feb. 18; Sp. p. 3571; Dr. p. 748; Gaz. vol. 132; p. 1486.
- Fose, M., Manchester, Iowa. Sewing-machine gage. No. 883,532; Mar. 31; Sp. p. 6097; Dr. p. 1297; Gaz. vol. 133; p. 1119.
- Fosgate, D. O., Chicago, Ill. Stethoscope. No. 875,795; Jan. 7; Sp. p. 228; Dr. p. 49; Gaz. vol. 132; p. 42.
- Fosgate, D. O., Chicago, Ill. Auriphone. No. 877,317; Jan. 21; Sp. p. 3369; Dr. p. 730; Gaz. vol. 132; p. 613.
- Fosler, I. G., Chicago, Ill. Talking-machine. No. 878,516; Feb. 11; Sp. p. 1333; Dr. p. 270; Gaz. vol. 132; p. 1087.
- Foss, A., and L. Coolidge, Montezano, Wash. Log-turner. No. 902,142; Oct. 27; Sp. p. 4328; Dr. pp. 876-7; Gaz. vol. 136; p. 1841.
- Foss, B. F., Fairfield, Me. Radiator. No. 879,953; Feb. 25; Sp. p. 4279; Dr. p. 895; Gaz. vol. 132; p. 1629.
- Foss, C., Brighton, Iowa. Hay-fork. No. 881,394; Mar. 10; Sp. p. 1805; Dr. p. 390; Gaz. vol. 133; p. 331.
- Foss, C. T., Babb, Mont. Gun-sight. No. 892,240; June 30; Sp. p. 6186; Dr. p. 1333; Gaz. vol. 134; p. 2176.
- Foss, W. O., assignor to Direct Motor-Drive Mfg. Co., Philadelphia, Pa. Speed-changing mechanism. No. 883,870; Apr. 7; Sp. p. 407; Dr. pp. 79-80; Gaz. vol. 133; p. 1255.
- Foss, W. O., assignor of four-fifths to G. Link, F. C. Brunhouse, P. G. Lang, and R. E. Brunhouse, Philadelphia, Pa. Speed-changing mechanism. No. 889,362; June 2; Sp. p. 335; Dr. p. 78; Gaz. vol. 134; p. 1112.
- Fossee, L., and J. A. Ballard, Jeffersonville, Ind. Water-motor. No. 896,289; Aug. 18; Sp. p. 3003; Dr. p. 646; Gaz. vol. 135; p. 1435.
- Fossel, A., Gilbert Station, Iowa. Attachment for spades, shovels, and handles. No. 876,793; Jan. 14; Sp. p. 2243; Dr. p. 493; Gaz. vol. 132; p. 398.
- Fosston Manufacturing Co. (See Helgerson, T. O., assignor.)
- Fosston Manufacturing Company. (See Lund, H., assignor.)
- Foster, A., assignor of one-half to Powell Knitting Company, Philadelphia, Pa. Transferring device for knitting-machines. No. 885,150; Apr. 21; Sp. p. 3051; Dr. p. 641; Gaz. vol. 133; p. 1735.
- Foster, A. M., Santa Barbara, Cal. Game apparatus. No. 898,350; Sept. 8; Sp. p. 2235; Dr. p. 477; Gaz. vol. 136; p. 388.
- Foster, A. T., Chillicothe, Ohio. Shade-roller. No. 877,070; Jan. 21; Sp. p. 2851; Dr. p. 616; Gaz. vol. 132; p. 532.
- Foster, A. T., assignor of one-half to F. G. Hurst, Fillmore, Ind. Switch. No. 899,967; Sept. 29; Sp. p. 5438; Dr. p. 1159; Gaz. vol. 136; p. 1009.
- Foster, A. W., Goreville, Ill. Jar-closure. No. 891,921; June 30; Sp. p. 5576; Dr. p. 1201; Gaz. vol. 134; p. 2073.
- Foster, C. H., Cleveland, Ohio. Horn. No. 907,765; Dec. 29; Sp. p. 5236; Gaz. vol. 137; p. 1966.
- Foster, C. J., Van Wert, Ohio. Device for curing ingrowing toe-nails. No. 884,376; Apr. 14; Sp. p. 1443; Dr. p. 308; Gaz. vol. 133; p. 1451.
- Foster, C. J., and W. M. Kear, Van Wert, Ohio. Attachment for corn-planters. No. 903,075; Nov. 3; Sp. p. 1093; Gaz. vol. 137; p. 178.
- Foster, C. K., Centerville, R. I. Shock-absorber for vehicles. No. 898,043; Sept. 8; Sp. p. 1667; Dr. p. 354; Gaz. vol. 136; p. 292.
- Foster, C. S., assignor to Fales & Jenks Machine Company, Pawtucket, R. I. Spindle. No. 886,789; May 5; Sp. p. 943; Dr. p. 196; Gaz. vol. 134; p. 153.
- Foster, E. A., Sandusky, Ohio. Gate. No. 903,695; Nov. 10; Sp. p. 2326; Gaz. vol. 137; p. 408.
- Foster, E. H., New York, N. Y. Superheater. No. 883,871; Apr. 7; Sp. p. 409; Dr. p. 80; Gaz. vol. 133; p. 1256.
- Foster Engineering Co. (See Krichbaum, W. F., assignor.)
- Foster Engineering Co. (See Krichbaum, W. F., assignor.) (Reissue.)
- Foster, F. B., Santa Barbara, Cal. Needle. No. 879,758; Feb. 18; Sp. p. 3833; Dr. p. 804; Gaz. vol. 132; p. 1531.
- Foster, H. S. (See Collier, A. T., assignor.)
- Foster, J. A., Lowell, Mass. Heel for boots and shoes. No. 900,920; Oct. 13; Sp. p. 1815; Dr. p. 368; Gaz. vol. 136; p. 1378.
- Foster, J. E., Portland, Me. Diagonal ruling attachment for paper-ruling machines. No. 900,674; Oct. 6; Sp. p. 1292; Dr. p. 264; Gaz. vol. 136; p. 1272.
- Foster, J. F., Argentine, Kans. Roller-bearing. No. 902,810; Nov. 3; Sp. p. 530; Gaz. vol. 137; p. 93.
- Foster, J. H., Tuscaloosa, Ala. Combined desk, chair, and receptacle. No. 885,594; Apr. 21; Sp. p. 3947; Dr. p. 824; Gaz. vol. 133; p. 1875.
- Foster, J. M. (See Morrow and Foster.)
- Foster, L., New York, N. Y. Advertising device. No. 885,333; Apr. 21; Sp. p. 3438; Dr. p. 717; Gaz. vol. 133; p. 1796.
- Foster, R., Cazenovia, N. Y. Pocket-fastener. No. 893,233; July 14; Sp. p. 1711; Dr. p. 361; Gaz. vol. 135; p. 309.
- Foster, R. G., Providence, R. I. Shaving-cup. No. 880,207; Feb. 25; Sp. p. 4784; Dr. p. 1012; Gaz. vol. 132; p. 1712.
- Foster, S. P., Chattanooga, assignor of one-half to C. A. Bedell, East Chattanooga, Tenn. Releasing device for checkreins. No. 897,973; Sept. 8; Sp. p. 1525; Dr. p. 324; Gaz. vol. 136; p. 270.
- Foster, T. D., Ottumwa, Iowa. Hog-hoisting apparatus. No. 898,209; Sept. 8; Sp. p. 1979; Dr. p. 422; Gaz. vol. 136; p. 344.
- Foster, W. C., Kalamazoo, Mich. Washing-machine. No. 907,766; Dec. 29; Sp. p. 5241; Gaz. vol. 137; p. 1966.
- Fostoria Glass Company. (See Ebeling, P., assignor.)
- Foucart, A. D., Muney, Pa. Elastic-tire wheel. No. 906,404; Dec. 8; Sp. p. 2503; Gaz. vol. 137; p. 1430.
- Fouch, J. R., Minneapolis, Minn. Metallic wheel. No. 907,587; Dec. 22; Sp. p. 4832; Gaz. vol. 137; p. 1877.
- Foullaron, G., Paris, France. Belt. No. 902,224; Oct. 27; Sp. p. 4505; Dr. p. 112; Gaz. vol. 136; p. 1867.
- Foulke, J. S., and T. J. Flavin, Gunnison, Colo. Dandelion-killer. No. 896,904; Aug. 25; Sp. p. 4257; Dr. p. 911; Gaz. vol. 135; p. 1658.
- Foulkes, G. H., San Francisco, Cal. Elevator safety and announcing device. No. 895,848; Aug. 11; Sp. p. 2154; Dr. p. 457; Gaz. vol. 135; p. 1271.
- Fountain, J., Jr., Elizabeth, N. J. Junction or outlet box. No. 907,139; Dec. 22; Sp. p. 3909; Gaz. vol. 137; p. 1726.
- Fountain, J., Jr., Elizabeth, N. J., assignor to S. B. Condit, Jr., Boston, Mass. Outlet-box for electric wires. No. 905,066; Nov. 24; Sp. p. 5198; Gaz. vol. 137; p. 928.
- Fountaine, E. J., Woonsocket, R. I. Power-transmitting means. No. 895,082; Aug. 4; Sp. p. 609; Dr. p. 127; Gaz. vol. 135; p. 905.
- Fourcault, E., Lodelinsart, Belgium. Apparatus for the manufacture of glass sheets or plates. No. 901,800; Oct. 20; Sp. p. 3646; Dr. pp. 738-9; Gaz. vol. 136; p. 1702.
- Fournia, J., assignor of one-half to F. R. Greene, Albany, N. Y. Means for heating the feed-water of boilers. (Reissue.) No. 12,895; Dec. 15; Sp. p. 3843; Gaz. vol. 137; p. 1683.
- Fournie, L., Kansas City, Mo. Tag-holder. No. 889,594; June 2; Sp. p. 802; Dr. p. 183; Gaz. vol. 134; p. 1187.
- Fournier, E., St. Hyacinthe, Quebec, Canada. Loose-leaf binder. No. 891,240; June 23; Sp. p. 4163; Dr. pp. 911-12; Gaz. vol. 134; p. 1815.
- Fournier, E., Minneapolis, Minn. Rotary engine. No. 899,485; Sept. 22; Sp. p. 4406; Dr. p. 945; Gaz. vol. 136; p. 816.
- Fournier, J. B., Paris, France. Means for showing from a distance the variations in temperature. No. 883,159; Mar. 24; Sp. p. 5302; Dr. p. 1132; Gaz. vol. 133; p. 968.
- Fournier, J. B., Paris, France. Means for using from a distance the variations in temperature. No. 886,201; Apr. 28; Sp. p. 5194; Dr. p. 1094; Gaz. vol. 133; p. 2105.
- Fournier, J. B., Paris, France. Thermometer and other similar device having saturated vapors. No. 896,826; Aug. 18; Sp. p. 3489; Dr. p. 749; Gaz. vol. 135; p. 1513.
- Foust, B. A., Meadville, Pa. Hoisting-device. No. 905,864; Dec. 8; Sp. p. 1490; Gaz. vol. 137; p. 1257.
- Foust, G. B., Masontown, Pa. Coke-extractor. No. 892,042; June 30; Sp. p. 5810; Dr. pp. 1249-50; Gaz. vol. 134; p. 2111.
- Foust, W., et al. (See King, J. R., assignor.)
- Fowle, C. L., Dowagiac, Mich. Reel for drying fishing-lines. No. 886,690; May 5; Sp. p. 714; Dr. p. 146; Gaz. vol. 134; p. 120.
- Fowle, C. L., assignor to Dowagiac Manufacturing Company, Dowagiac, Mich. Axle and bearing for grain-seeding machines. No. 883,709; Apr. 7; Sp. p. 66; Dr. p. 10; Gaz. vol. 133; p. 1203.
- Fowle, J. E. Z., Fruitvale, Cal. Pendulum-top. No. 905,684; Dec. 1; Sp. p. 1132; Gaz. vol. 137; p. 1167.
- Fowler, B. F., assignor of two-thirds to E. E. Austin and G. H. Richards, Minneapolis, Minn. Hydraulic motor. No. 883,105; Mar. 24; Sp. p. 5179; Dr. p. 1106; Gaz. vol. 133; p. 950.
- Fowler, C., Eldon, Mo. Switch-stand lock. No. 903,696; Nov. 10; Sp. p. 2327; Gaz. vol. 137; p. 409.
- Fowler, D. F., Melrose, Pa. Package for cotton-batting. No. 884,574; Apr. 14; Sp. p. 1835; Dr. p. 393; Gaz. vol. 133; p. 1515.
- Fowler, F., Louisville, Ky. Valve. No. 892,821; July 7; Sp. p. 848; Dr. p. 181; Gaz. vol. 135; p. 144.
- Fowler, G. A., Georgetown, assignor of three-fourths to E. J. Wilcox, Denver, and F. V. Goetz, Clear Creek county, Colo. Valve for operating rock-drills. No. 891,472; June 23; Sp. p. 4630; Dr. pp. 1005-6; Gaz. vol. 134; p. 1892.

Alphabetical list of patentees—Continued.

- Fowler, G. A., Georgetown, assignor of three-fourths to E. J. Wilcox, Denver, and F. V. Goetz, Clear Creek county, Colo. Tunnel-driving machine. No. 891,473; June 23; Sp. p. 4637; Dr. pp. 1006-7; Gaz. vol. 134; p. 1892.
- Fowler, G. L., New York, N. Y. Apparatus for testing wheel-flange pressures. No. 886,691; May 5; Sp. p. 715; Dr. pp. 146-7; Gaz. vol. 134; p. 121.
- Fowler, H. B., Newark, N. J., assignor to Fowler-Leighton Company, Portland, Me. Storm-legging. No. 903,463; Nov. 10; Sp. p. 1852; Gaz. vol. 137; p. 335.
- Fowler, H. B., Newark, N. J., assignor to Fowler-Leighton Company, Portland, Me. Storm-legging. No. 903,464; Nov. 10; Sp. p. 1853; Gaz. vol. 137; p. 336.
- Fowler, H. I. (See Thompson and Fowler.)
- Fowler, J. E. (See Owens, J. N., assignor.)
- Fowler, J. N., assignor of one-half to J. Waldo, Washington, D. C. Switch-throwing mechanism. No. 901,089; Oct. 13; Sp. p. 2136; Dr. p. 436; Gaz. vol. 136; p. 1432.
- Fowler, J. O. (See Dilg and Fowler.)
- Fowler, J. W., C. S. Barnes, and H. G. Peters, Grinnell, Iowa. Cream-separator. No. 879,379; Feb. 18; Sp. p. 3041; Dr. p. 633; Gaz. vol. 132; p. 1407.
- Fowler-Leighton Company. (See Fowler, H. B., assignor.)
- Fowler, M. B. (See Haas, G. W., assignor.)
- Fowler, R. B., Worcester, Mass. Automatic piano. No. 888,152; May 19; Sp. p. 3657; Dr. p. 765; Gaz. vol. 134; p. 654.
- Fowler, R. B., Worcester, Mass. Automatic musical instrument. No. 896,905; Aug. 25; Sp. p. 4259; Dr. p. 911; Gaz. vol. 135; p. 1658.
- Fowler, R. J. (See Briddon and Fowler.)
- Fowler, S. B., La Fayette, Ind. Telephone-exchange system. No. 877,921; Feb. 4; Sp. p. 53; Dr. p. 11; Gaz. vol. 132; p. 857.
- Fowler, S. E., Winslow, assignor of two-thirds to C. Abbott and R. M. Gray, Otwell, Ind. Hay-stacker. No. 883,633; Mar. 31; Sp. p. 6285; Dr. p. 1340; Gaz. vol. 133; p. 1150.
- Fowler, T. E., Everett, and A. Reeves, Portland, Ore. Gas-generator. No. 907,983; Dec. 29; Sp. p. 5681; Gaz. vol. 137; p. 2036.
- Fowler, W. E., Jr., Hammond, Ind., assignor to Simplex Railway Appliance Company, Chicago, Ill. Brake-beam. No. 906,213; Dec. 8; Sp. p. 2158; Gaz. vol. 137; p. 1369.
- Fowler, W. R., Baltimore, Md. Safety-razor. No. 890,350; June 9; Sp. p. 2346; Dr. p. 518; Gaz. vol. 134; p. 1460.
- Fowles, H. F., Spokane, Wash. Detachable handle for crockery. No. 904,417; Nov. 17; Sp. p. 3851; Gaz. vol. 137; p. 685.
- Fownes, W. C., Jr., and R. J. Gardner, assignors to S. Jarvis Adams Company, Pittsburg, Pa. Pit-car wheel. No. 887,241; May 12; Sp. p. 1798; Dr. p. 378; Gaz. vol. 134; p. 323.
- Fownes, W. C., Jr., and R. J. Gardner, assignors to S. Jarvis Adams Company, Pittsburg, Pa. Mining-car-wheel bearing. No. 888,700; May 26; Sp. p. 4775; Dr. p. 1016; Gaz. vol. 134; p. 867.
- Fox, B. C. (See Butterworth, J. S., assignor.)
- Fox-Borden Manufacturing Company. (See Hallowell, L. S., assignor.)
- Fox, C., Leavenworth, Kans. Device for distributing or taking up barb-wire. No. 881,233; Mar. 10; Sp. p. 1484; Dr. p. 319; Gaz. vol. 133; p. 280.
- Fox, C., Quincy, Mass., assignor, by mesne assignments, to General Electric Company. Elastic-fluid turbine. No. 890,635; June 16; Sp. p. 2929; Dr. pp. 641-2; Gaz. vol. 134; p. 1586.
- Fox, C. H., London, England. Railway wagon-stanchion and the like. No. 879,042; Feb. 11; Sp. p. 2354; Dr. pp. 492-3; Gaz. vol. 132; p. 1256.
- Fox, C. H., Cincinnati, Ohio. Advertisement. No. 880,513; Mar. 3; Sp. p. 40; Dr. p. 10; Gaz. vol. 133; p. 10.
- Fox, C. H., assignor to Stanley Rule & Level Company, New Britain, Conn. Miter-box-saw-guide. No. 905,067; Nov. 24; Sp. p. 5200; Gaz. vol. 137; p. 928.
- Fox, C. J., London, England. Thermostat. No. 883,008; Mar. 24; Sp. p. 5003; Dr. p. 1064; Gaz. vol. 133; p. 918.
- Fox, C. J., London, England. Automatic fire-alarm system. No. 903,076; Nov. 3; Sp. p. 1095; Gaz. vol. 137; p. 178.
- Fox, C. M., De Kalb, Ill. Explosive-engine. No. 879,954; Feb. 25; Sp. p. 4280; Dr. p. 895; Gaz. vol. 132; p. 1629.
- Fox, C. M., New York, N. Y. Pin. No. 885,334; Apr. 21; Sp. p. 3439; Dr. p. 717; Gaz. vol. 133; p. 1796.
- Fox, C. W., Saugus, Mass. Nursing-bottle. No. 898,975; Sept. 15; Sp. p. 3427; Dr. p. 736; Gaz. vol. 136; p. 624.
- Fox, C. W., Boston, Mass. Liquid-receptacle. No. 901,433; Oct. 20; Sp. p. 2858; Dr. p. 584; Gaz. vol. 136; p. 1581.
- Fox, E. L. (See Borhek, E. M., assignor.)
- Fox, G. M. (See Starbird and Fox.)
- Fox, H. H., Cassadaga, N. Y. Brake. No. 894,129; July 21; Sp. p. 3647; Dr. p. 752; Gaz. vol. 135; p. 635.
- Fox, H. L., London, assignor to W. G. Turnbull, Gerrards Cross, England. High-pressure lighting and heating apparatus. No. 908,402; Dec. 29; Sp. p. 6575; Gaz. vol. 137; p. 2180.
- Fox, H. T. (See Briner and Fox.)
- Fox, J. C., Seattle, Wash. Display apparatus. No. 884,575; Apr. 14; Sp. p. 1835; Dr. p. 393; Gaz. vol. 133; p. 1515.
- Fox, J. C., Seattle, Wash. Saw-swaging machine. No. 888,701; May 26; Sp. p. 4777; Dr. p. 1017; Gaz. vol. 134; p. 867.
- Fox, J. E., Courtenay, N. D. Metallic door. No. 878,876; Feb. 11; Sp. p. 2055; Dr. pp. 425-6; Gaz. vol. 132; p. 1205.
- Fox, J. H. (See Simpson, W., assignor.)
- Fox, J. H., New York, N. Y. Injector-carbonator. No. 889,516; June 2; Sp. p. 657; Dr. pp. 152-3; Gaz. vol. 134; p. 1162.
- Fox, J. F., et al. (See Shawver, J. W., assignor.)
- Fox, J. F., Everett, Wash. Rotary engine. No. 888,323; May 19; Sp. p. 3968; Dr. p. 836; Gaz. vol. 134; p. 709.
- Fox, F. C., McComb, Okla. Check-row corn-planter. No. 900,361; Oct. 6; Sp. p. 601; Dr. pp. 124-5; Gaz. vol. 136; p. 1167.
- Fox, R., New Rochelle, assignor to Saks & Company, New York, N. Y. Boot. No. 904,254; Nov. 17; Sp. p. 3524; Gaz. vol. 137; p. 630.
- Fox, S. S., Marion, Ohio. Cuff-holder. No. 883,634; Mar. 31; Sp. p. 6287; Dr. p. 1341; Gaz. vol. 133; p. 1150.
- Fox Typewriter Company. (See Fox and Lund, assignors.)
- Fox, W. B., Breckenridge, Mich. Beet-harvester. No. 890,585; June 9; Sp. p. 2791; Dr. pp. 615-16; Gaz. vol. 134; p. 1537.
- Fox, W. R., Grand Rapids, Mich. Ribbon mechanism for type-writing machines. No. 879,159; Feb. 18; Sp. p. 2606; Dr. pp. 542-3; Gaz. vol. 132; p. 1335.
- Fox, W. R., Grand Rapids, Mich. Tabulator for type-writers. No. 880,290; Feb. 25; Sp. p. 4959; Dr. pp. 1047-8; Gaz. vol. 132; p. 1740.
- Fox, W. R., Grand Rapids, Mich. Ribbon mechanism for front-strike type-writing machines. No. 880,648; Mar. 3; Sp. p. 317; Dr. pp. 70-1; Gaz. vol. 133; p. 56.
- Fox, W. R., Grand Rapids, Mich. Tabulator for type-writers. No. 882,058; Mar. 17; Sp. p. 3163; Dr. pp. 672-3; Gaz. vol. 133; p. 575.
- Fox, W. R., and M. Lund, assignors to Fox Typewriter Company, Grand Rapids, Mich. Adjustable roller portable stand. No. 891,829; June 30; Sp. p. 5399; Dr. p. 1167; Gaz. vol. 134; p. 2042.
- Fox, W. R., and M. Lund, assignors to Fox Typewriter Company, Grand Rapids, Mich. Mitering-machine. No. 906,125; Dec. 8; Sp. p. 1990; Gaz. vol. 137; p. 1340.
- Foxworthy, E. E., assignor of one-half to A. J. Stufflebam, Humansville, Mo. Spoke-setting machine. No. 888,394; May 19; Sp. p. 4112; Dr. p. 868; Gaz. vol. 134; p. 732.
- Foy, B. J., Brookline, Mass. Sign. No. 892,658; July 7; Sp. p. 518; Dr. p. 108; Gaz. vol. 135; p. 92.
- Fraas, C., Philadelphia, Pa. Stationery-supply case. No. 888,005; May 19; Sp. p. 3388; Dr. p. 712; Gaz. vol. 134; p. 609.
- Fraher, C. W. (See Snapp and Fraher.)
- Fraim, S. R., Lancaster, Pa. Padlock. No. 907,026; Dec. 15; Sp. p. 3671; Gaz. vol. 137; p. 1654.
- Fraim, S. R., assignor to E. T. Fraim Lock Company, Lancaster, Pa. Padlock. No. 882,192; Mar. 17; Sp. p. 3421; Dr. p. 727; Gaz. vol. 133; p. 618.
- Frabley, O. M., Victor, Ore. Vehicle-wheel. No. 883,947; Apr. 7; Sp. p. 558; Dr. p. 111; Gaz. vol. 133; p. 1282.
- Frame, R. E., assignor of one-half to H. W. Wolff, St. Louis, Mo. Dust-guard for car-axle journal-boxes. No. 877,318; Jan. 21; Sp. p. 3371; Dr. p. 730; Gaz. vol. 132; p. 614.
- Frame, R. E., assignor to H. W. Wolff, St. Louis, Mo. Car-truck. No. 897,281; Sept. 1; Sp. p. 32; Dr. p. 8; Gaz. vol. 136; p. 8.
- Frame, R. E., assignor of one-half to H. W. Wolff, St. Louis, Mo. Brake-lever. No. 907,767; Dec. 29; Sp. p. 5242; Gaz. vol. 137; p. 1967.
- Framingham Shoe Company. (See Parker, E. A., assignor.)
- Frampton, A. E., Boone, Iowa. Fruit-picker. No. 908,235; Dec. 29; Sp. p. 6234; Gaz. vol. 137; p. 2122.
- Frampton, J., Willis, Tex. Rail tie and brace. No. 885,595; Apr. 21; Sp. p. 3949; Dr. p. 824; Gaz. vol. 133; p. 1876.
- Frampton, J., Willis, Tex. Rail joint, chair, and tie. No. 896,061; Aug. 11; Sp. p. 2455; Dr. p. 528; Gaz. vol. 135; p. 1321.
- Frampton, R. C., Pittsburg, assignor to Pittsburg Water Heater Company, Allegheny, Pa. Burner. No. 908,236; Dec. 29; Sp. p. 6235; Gaz. vol. 137; p. 2122.
- Franeck, V., and J. Dytrych, Chicago, Ill. Safety door check and lock. No. 878,056; Feb. 4; Sp. p. 335; Dr. pp. 69-70; Gaz. vol. 132; p. 902.
- Francfort, A. H., Jersey City, N. J., assignor to Niagara Hydraulic Engine Company. Hydraulic ram. No. 881,314; Mar. 10; Sp. p. 1645; Dr. pp. 352-3; Gaz. vol. 133; p. 307.
- Francis, A., St. Louis, Mo. Reducing lead ores. No. 882,193; Mar. 17; Sp. p. 3423; Gaz. vol. 133; p. 619.
- Francis, A. S., London, England. Gas-lamp for inverted incandescent burners. No. 906,623; Dec. 15; Sp. p. 2914; Gaz. vol. 137; p. 1527.
- Francis, C. (See Francis, W. H. and C.)

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- Francis, C. A., South Bend, Ind. Road-cart. No. 907,327; Dec. 22; Sp. p. 4297; Gaz. vol. 137; p. 1791.
 Francis, C. E., Cincinnati, Ohio. Veneer-press. No. 887,783; May 19; Sp. p. 2947; Dr. p. 620; Gaz. vol. 134; p. 535.
 Francis, E. M. (See Cunningham, A. A., assignor.)
 Francis, G., Chelsea, Mass. Bucket for dredgers. No. 883,635; Mar. 31; Sp. p. 6289; Dr. pp. 1341-2; Gaz. vol. 133; p. 1151.
 Francis, G. A., assignor of one-half to R. S. Green, Westfield, N. J. Pillow-sham holder. No. 900,507; Oct. 6; Sp. p. 945; Dr. p. 192; Gaz. vol. 136; p. 1216.
 Francis, G. A., assignor of one-half to R. S. Green, Westfield, N. J. Pillow-sham holder. No. 900,508; Oct. 6; Sp. p. 947; Dr. p. 192; Gaz. vol. 136; p. 1216.
 Francis, G. A., assignor to R. S. Green, Westfield, Mass. Picture-hanging device. No. 904,690; Nov. 24; Sp. p. 4433; Gaz. vol. 137; p. 803.
 Francis, G. S., F. O. Kaste, and H. W. Gross, Havre, Mont. Combined lock and brace for boxes. No. 884,377; Apr. 14; Sp. p. 1444; Dr. p. 308; Gaz. vol. 133; p. 1451.
 Francis, H. P., Oroville, Cal. Engine-starter. No. 881,069; Mar. 3; Sp. p. 1147; Dr. p. 249; Gaz. vol. 133; p. 196.
 Francis, J. (See Damas and Francis.)
 Francis, J., Morristown, N. J. Railway-rail. No. 888,988; May 26; Sp. p. 5379; Dr. p. 1141; Gaz. vol. 134; p. 960.
 Francis, P., deceased; M. F. Burns, Marine City, Mich., administratrix. Extension-table. No. 882,865; Mar. 24; Sp. p. 4731; Dr. pp. 1005-6; Gaz. vol. 133; p. 872.
 Francis, W. H. (See Dunn and Francis.)
 Francis, W. H., Cherryvale, and C. Francis, Independence, Kans. Brick-handling machine. No. 890,586; June 9; Sp. p. 2799; Dr. pp. 616-17; Gaz. vol. 134; p. 1537.
 Francisco, F. C., Cuyahoga Falls, Ohio. Core-making machine. No. 906,005; Dec. 8; Sp. p. 1759; Gaz. vol. 137; p. 1302.
 Franey, P., *et al.* (See Elery S., assignor.)
 Frank, A., Charlottenburg, and N. Caro, Berlin, Germany, assignors, by mesne assignments, to American Cyanamid Company, Portland, Me. Making nitrogen compounds. (Reissue.) No. 12,762; Mar. 10; Sp. p. 2807; Gaz. vol. 133; p. 493.
 Frank, E. K., Topeka, Kans. Butter-mold. No. 890,351; June 9; Sp. p. 2347; Dr. p. 518; Gaz. vol. 134; p. 1460.
 Frank, G., Jefferson, Tex. Refrigerator. No. 877,496; Jan. 28; Sp. p. 3714; Dr. p. 804; Gaz. vol. 132; p. 692.
 Frank, G. B., Toledo, Ohio. Ear-stopper. No. 886,790; May 5; Sp. p. 945; Dr. p. 196; Gaz. vol. 134; p. 154.
 Frank, H. A., Chicago, Ill. Cuff-protector. No. 879,955; Feb. 25; Sp. p. 4281; Dr. p. 895; Gaz. vol. 132; p. 1629.
 Frank, J. J., Schenectady, N. Y., assignor to General Electric Company. Transformer. No. 885,034; Apr. 21; Sp. p. 2795; Dr. p. 592; Gaz. vol. 133; p. 1697.
 Frank, J. J., Schenectady, N. Y., assignor to General Electric Company. Transformer. No. 894,620; July 28; Sp. p. 4679; Dr. p. 971; Gaz. vol. 135; p. 816.
 Frank, J. J., Schenectady, N. Y., assignor to General Electric Company. Transformer-core construction. No. 896,983; Aug. 25; Sp. p. 4460; Dr. p. 953; Gaz. vol. 135; p. 1684.
 Frank, J. W., assignor to Standard Varnish Works, New York, N. Y. Solid insulating compound. No. 895,738; Aug. 11; Sp. p. 1931; Gaz. vol. 135; p. 1236.
 Frank, L. (See Copp and Frank.)
 Frank, M., *et al.* (See Loomis, H. T., assignor.)
 Frank Ridlon Company. (See Shields, R., assignor.)
 Frank, W. J., Worms, Germany. Machine for lifting skins or hides from lime-pits or tan-pits. No. 887,242; May 12; Sp. p. 1799; Dr. pp. 378-9; Gaz. vol. 134; p. 324.
 Frank W. Whitcher Company. (See Whitcher, F. W., assignor.)
 Franke, A., *et al.* (See Gray, H. M., assignor.)
 Franke, A., Halensee, near Berlin, assignor to Siemens & Halske, A. G., Berlin, Germany. System for selecting one of several receivers connected to a common conductor. No. 888,153; May 19; Sp. p. 3660; Dr. p. 766; Gaz. vol. 134; p. 654.
 Franke, F., Clark county, Ind. Filling mattresses. No. 891,830; June 30; Sp. p. 5401; Dr. p. 1168; Gaz. vol. 134; p. 2042.
 Franke, R. (See Günther and Franke.)
 Franke, T., Berlin, Germany. Wall and ceiling covering. No. 888,006; May 19; Sp. p. 3389; Gaz. vol. 134; p. 609.
 Frankel, H., New York, N. Y. Garment-form. No. 886,490; May 5; Sp. p. 294; Dr. p. 61; Gaz. vol. 134; p. 54.
 Frankenbush, R., *et al.* (See Ilg, C. C., assignor.)
 Franklin, B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Multiple-voltage system of distribution. No. 886,049; Apr. 28; Sp. p. 4919; Dr. p. 1034; Gaz. vol. 133; p. 2056.
 Franklin, B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Method of and means for starting dynamo-electric machines. No. 891,241; June 23; Sp. p. 4165; Dr. p. 912; Gaz. vol. 134; p. 1815.
 Franklin Cotton Mill Company. (See Innes, H. C., assignor.)
 Franklin, E. A., Austin, Tex. Churn-dasher. No. 889,921; June 9; Sp. p. 1442; Dr. p. 326; Gaz. vol. 134; p. 1317.
 Franklin, G., Chicago, Ill. Wrench. No. 893,157; July 14; Sp. p. 1568; Dr. p. 332; Gaz. vol. 135; p. 285.
 Franklin, J., Philadelphia, Pa. Trolley. No. 907,984; Dec. 29; Sp. p. 5682; Gaz. vol. 137; p. 2037.
 Franklin, M., Grand Junction, Colo. Railway road-bed. No. 904,418; Nov. 17; Sp. p. 3852; Gaz. vol. 137; p. 685.
 Franklin, M. B., Providence, R. I. Picture-hanger. No. 882,243; Mar. 17; Sp. p. 3512; Dr. p. 745; Gaz. vol. 133; p. 634.
 Franklin Manufacturing Company. (See Rabich, W., assignor.)
 Franklin, R. M., Galveston, Tex. Trap for crustacea. No. 880,727; Mar. 3; Sp. p. 474; Dr. p. 100; Gaz. vol. 133; p. 83.
 Franklin, S. G., assignor to H. G. Underwood, New York, N. Y., and W. S. Brian, Memphis, Tenn. Casting apparatus. No. 894,824; Aug. 4; Sp. p. 47; Dr. p. 10; Gaz. vol. 135; p. 908.
 Franklin, W. S. (See Seyfert, S. S., assignor.)
 Frankman, O. N., Marieberg, Sweden. Machine for cutting off the tops of beets and the like roots. No. 891,054; June 16; Sp. p. 3794; Dr. p. 828; Gaz. vol. 134; p. 1724.
 Frankofski, F., North Braddock, Pa. Electric-light socket. No. 884,271; Apr. 7; Sp. p. 1230; Dr. p. 259; Gaz. vol. 133; p. 1387.
 Franks, C. J., Cincinnati, Ohio. Bottle-carrier. No. 894,130; July 21; Sp. p. 3649; Dr. p. 752; Gaz. vol. 135; p. 635.
 Franks, O. G., assignor to Seng Company, Chicago, Ill. Short rail for beds. No. 875,703; Jan. 7; Sp. p. 47; Dr. p. 10; Gaz. vol. 132; p. 11.
 Franks, O. G., assignor to Seng Company, Chicago, Ill. Extension-table slide. No. 899,693; Sept. 29; Sp. p. 4845; Dr. p. 1038; Gaz. vol. 136; p. 918.
 Franks, O. G., assignor to Seng Company, Chicago, Ill. Extension-table slide. No. 900,509; Oct. 6; Sp. p. 948; Dr. pp. 192-3; Gaz. vol. 136; p. 1216.
 Franks, O. G., assignor to Seng Company, Chicago, Ill. Extension-table slide. No. 902,392; Oct. 27; Sp. p. 4851; Dr. p. 981; Gaz. vol. 136; p. 1923.
 Franquist, G. E. (See Mabley and Franquist.)
 Frantz, C., Niagara Falls, N. Y. Porch-awning. No. 878,284; Feb. 4; Sp. p. 799; Dr. p. 160; Gaz. vol. 132; p. 977.
 Frantz, J. E., Rock Island, Ill. Incubator-tray. No. 876,051; Jan. 7; Sp. p. 702; Dr. p. 151; Gaz. vol. 132; p. 121.
 Frantz, W. W., Waynesboro, Pa. Shipper's type-writer. No. 883,636; Mar. 31; Sp. p. 6291; Dr. pp. 1342-3; Gaz. vol. 133; p. 1151.
 Frantz, W. W., Waynesboro, Pa. Portable heater and radiator. No. 894,621; July 28; Sp. p. 4683; Dr. p. 971; Gaz. vol. 135; p. 816.
 Frantz, W. W., Waynesboro, Pa. Combined poultry-roost and vermin-trap. No. 902,393; Oct. 27; Sp. p. 4853; Dr. p. 982; Gaz. vol. 136; p. 1923.
 Franz, F., Burke, Idaho. Ore-screen. No. 889,673; June 2; Sp. p. 957; Dr. p. 221; Gaz. vol. 134; p. 1212.
 Franzmeier, L., Newton, Wis. Windrower. No. 898,571; Sept. 15; Sp. p. 2683; Dr. p. 573; Gaz. vol. 136; p. 493.
 Frasch, H. A., New York, N. Y. Filter. No. 903,697; Nov. 10; Sp. p. 2329; Gaz. vol. 137; p. 409.
 Fraser, A. T., Butte, Mont. Dredge-bucket joint. No. 878,517; Feb. 11; Sp. p. 1335; Dr. p. 270; Gaz. vol. 132; p. 1087.
 Fraser, C. W., Buffalo, N. Y. Body-guard. No. 879,534; Feb. 18; Sp. p. 3367; Dr. p. 704; Gaz. vol. 132; p. 1459.
 Fraser, D., assignor to Thompson & Norris Company, Brooklyn, N. Y. Box. No. 905,806; Dec. 1; Sp. p. 1368; Gaz. vol. 137; p. 1208.
 Fraser, E. M., New York, N. Y. Amusement device. No. 887,082; May 12; Sp. p. 1486; Dr. p. 315; Gaz. vol. 134; p. 273.
 Fraser, G., Topeka, Kans. Oil-burning reverberatory furnace. No. 886,050; Apr. 28; Sp. p. 4923; Dr. p. 1035; Gaz. vol. 133; p. 2056.
 Fraser, G. C. (See Fraser, N. P., assignor.)
 Fraser, H. W., Port Clinton, Ohio. Life-preserver. No. 884,143; Apr. 7; Sp. p. 1003; Dr. p. 210; Gaz. vol. 133; p. 1346.
 Fraser, J., New Haven, Conn. Safety-valve. No. 886,051; Apr. 28; Sp. p. 4925; Dr. p. 1035; Gaz. vol. 133; p. 2057.
 Fraser, J., Boston, Mass., assignor to Tarbett and Fraser. Tympan-sheet. No. 896,527; Aug. 18; Sp. p. 3491; Dr. p. 749; Gaz. vol. 135; p. 1513.
 Fraser, J., and T. Gray, Paterson, N. J. Machine for edging metal plates. No. 897,256; Aug. 25; Sp. p. 5100; Dr. p. 1064; Gaz. vol. 135; p. 1778.
 Fraser, J. J., Leith, Scotland. Grinding or crushing mill. No. 883,872; Apr. 7; Sp. p. 411; Dr. p. 80; Gaz. vol. 133; p. 1256.
 Fraser, J. W., Charlotte, N. C. Pole-top cap. No. 892,822; July 7; Sp. p. 849; Dr. p. 181; Gaz. vol. 135; p. 144.
 Fraser Machine and Manufacturing Co. (See Fraser, W. F., assignor.)
 Fraser, N. P., assignor of one-half to G. C. Fraser, Carsonville, Mich. Damper-operating mechanism. No. 881,099; Mar. 3; Sp. p. 1209; Dr. p. 261; Gaz. vol. 133; p. 206.
 Fraser, W., Escanaba, Mich. Advertising device. No. 889,674; June 2; Sp. p. 958; Dr. p. 221; Gaz. vol. 134; p. 1212.

Alphabetical list of patentees—Continued.

- Fraser, W. F., Dorchester, Mass., assignor to Fraser Machine and Manufacturing Co. Lacing-hook-setting machine. No. 885,919; Apr. 28; Sp. p. 4632; Dr. pp. 973-6; Gaz. vol. 133; p. 2013.
- Fraser, W. F., Dorchester, Mass., assignor to Fraser Machine & Manufacturing Co. Device for feeding lacing-hooks and the like. No. 901,434; Oct. 20; Sp. p. 2860; Dr. p. 584; Gaz. vol. 136; p. 1582.
- Fraser, W. F., Boston, Mass., assignor to Fraser Machine & Manufacturing Co. Lacing-hook-setting machine. No. 902,811; Nov. 3; Sp. p. 532; Gaz. vol. 137; p. 93.
- Fraser, W., Lynn, Mass., assignor to United Shoe Machinery Company. Sole-pressing machine. No. 884,144; Apr. 7; Sp. p. 1005; Dr. pp. 210-11; Gaz. vol. 133; p. 1346.
- Fratcher, D. W., Detroit, Mich. Frame or protective casing for pictures. No. 899,393; Sept. 22; Sp. p. 4236; Dr. p. 908; Gaz. vol. 136; p. 786.
- Frauenheim, H. T. (See Herman, Heyl, and Frauenheim.)
- Frutsche, S., Jr., Toledo, Ohio. Antislipping device for shoes. No. 905,510; Dec. 1; Sp. p. 816; Gaz. vol. 137; p. 1113.
- Frawley, W. J. (See Wilson and Frawley.)
- Fray, P., New York, assignor to Columbia Machine Works and Malleable Iron Co., Brooklyn, N. Y. Gear-case. No. 895,247; Aug. 4; Sp. p. 959; Dr. p. 201; Gaz. vol. 135; p. 1032.
- Frazee, E. M., Cedar Rapids, Iowa. Milk-strainer. No. 893,915; July 21; Sp. p. 3205; Dr. p. 660; Gaz. vol. 135; p. 563.
- Frazier, E. C. (See Myers, W. D., assignor.)
- Frear, J. B., Excelsior, Minn. Combined bag-holding rack and twine-holder. No. 900,362; Oct. 6; Sp. p. 603; Dr. p. 125; Gaz. vol. 136; p. 1168.
- Frebault, F. P. (See Gross and Frebault.)
- Freborg, C., De Kalb, assignor to Gulbrandsen, Dickinson Company, Chicago, Ill. Fluid-motor. No. 882,672; Mar. 24; Sp. p. 4337; Dr. p. 923; Gaz. vol. 133; p. 809.
- Freborg, C., De Kalb, assignor to M. Clark, Chicago, Ill. Adjustable support for music-rolls for automatic musical instruments. No. 888,395; May 19; Sp. p. 4114; Dr. p. 868; Gaz. vol. 134; p. 732.
- Frech, T. W., Jr., Cleveland, Ohio. Lamp-base. No. 875,796; Jan. 7; Sp. p. 230; Dr. p. 50; Gaz. vol. 132; p. 42.
- Fréchette, F., Notre Dame de Charny, Quebec, Canada. Grate. No. 906,521; Dec. 15; Sp. p. 2730; Gaz. vol. 137; p. 1496.
- Fréchette, I., assignor to J. A. Morin, Montreal, Quebec, Canada. Comb. No. 896,373; Aug. 18; Sp. p. 3177; Dr. p. 682; Gaz. vol. 135; p. 1461.
- Freck, H. M. (See Lemon, J. T., assignor.)
- Fred H. Knapp Company. (See Knapp and Blackstone, assignors.)
- Frede, C. F. (See Westlake and Frede.)
- Frede, C. F., assignor to Cast Steel Needle Beam Company, St. Louis, Mo. Car-needle-beam attachment. No. 884,327; Apr. 7; Sp. p. 1318; Dr. p. 279; Gaz. vol. 133; p. 1404.
- Frede, C. F., assignor to Cast Steel Platform Company, St. Louis, Mo. Car-underframe. No. 895,739; Aug. 11; Sp. p. 1932; Dr. p. 409; Gaz. vol. 135; p. 1236.
- Frederick, A. S., Kirksville, Ill. Vehicle-axle. No. 894,131; July 21; Sp. p. 3650; Dr. p. 753; Gaz. vol. 135; p. 635.
- Frederick Alexander Company *et al.* (See Alexander, F., assignor.)
- Frederick, B. (See Collins, J. W., assignor.)
- Frederick, F. M., assignor of one-half to F. T. Moormann, C. H. and T. B. Poth, and F. J. Vollmer, St. Louis, Mo. Overhead electric railway. No. 904,525; Nov. 24; Sp. p. 4100; Gaz. vol. 137; p. 747.
- Frederick, F. M., assignor of one-half to F. T. Moormann, C. H. and T. B. Poth, and F. J. Vollmer, St. Louis, Mo. Overhead electric railway. No. 904,526; Nov. 24; Sp. p. 4103; Gaz. vol. 137; p. 747.
- Frederick, J. (See Donnelly and Frederick.)
- Frederick, J., Stroudsburg, Pa. Pneumatic hammer. No. 891,831; June 30; Sp. p. 5401; Dr. p. 1168; Gaz. vol. 134; p. 2043.
- Frederick Osann Company. (See Plumley, R. L., assignor.)
- Fredericks, D. R. (See Fredericks, E. J. and D. R.)
- Fredericks, E. J. and D. R., Ohio, Ill., assignors of one-half to L. F. Hutchens, M. Remsburg, and D. Chase, Conneaut, Ohio. Trolley-wheel. No. 903,698; Nov. 10; Sp. p. 2332; Gaz. vol. 137; p. 409.
- Fredericks, E. M., Chicago, Ill. Artificial tooth-crown and securing means therefor. No. 900,363; Oct. 6; Sp. p. 605; Dr. p. 125; Gaz. vol. 136; p. 1168.
- Fredericks, G. E., Paulding, Ohio. Display-stand. No. 896,445; Aug. 18; Sp. p. 3313; Dr. p. 713; Gaz. vol. 135; p. 1485.
- Frederick, H., Newark, N. J. Disk water-meter. No. 884,650; Apr. 14; Sp. p. 2024; Dr. p. 433; Gaz. vol. 133; p. 1540.
- Frederick, I. M., Perkasie, Pa. Poultry and animal feeding device. No. 890,352; June 9; Sp. p. 2348; Dr. p. 518; Gaz. vol. 134; p. 1461.
- Frederickson, C., Cameron, Wis. Automatic trip for conveyers. No. 901,163; Oct. 13; Sp. p. 2269; Dr. p. 462; Gaz. vol. 136; p. 1456.
- Frederickson, C. G. (See Linden and Lund, assignors.)
- Frederickson, G., Pittsburg, Pa. Fly-trap. No. 882,306; Mar. 17; Sp. p. 3638; Dr. p. 772; Gaz. vol. 133; p. 655.
- Free, J. W., Swissvale, Pa. Scale. No. 896,002; Aug. 11; Sp. p. 2456; Dr. p. 528; Gaz. vol. 135; p. 1321.
- Free, W. C., Chicago, and J. B. Angove, Rockford, assignors to Illinois Sewing Machine Company, Chicago, Ill. Sewing-machine. No. 898,976; Sept. 15; Sp. p. 3429; Dr. p. 736; Gaz. vol. 136; p. 624.
- Freebey, M. P. (See Wettel and Freebey.)
- Freeble, B. F., Brownsville, Pa. Railway-car. No. 875,906; Jan. 7; Sp. p. 433; Dr. pp. 95-6; Gaz. vol. 132; p. 79.
- Freeble, T. M., Latrobe, Pa. Electric railway signal system. No. 900,273; Oct. 6; Sp. p. 434; Dr. pp. 89-90; Gaz. vol. 136; p. 1139.
- Freed, G. F., Allegheny, assignor to Duff Manufacturing Company, Pittsburg, Pa. Lifting-jack. No. 880,874; Mar. 3; Sp. p. 804; Dr. pp. 170-1; Gaz. vol. 133; p. 134.
- Freed, M. M. (See Fallin, G. W., assignor.)
- Freedman, S. (See Covey, W. O., assignor.)
- Freedman, W. H., Burlington, Vt. Lag-indicator. No. 903,966; Nov. 17; Sp. p. 2908; Gaz. vol. 137; p. 531.
- Freeland, G. W., Moline, Ill., assignor to Williams, White and Company. Weighing mechanism for coal-pockets. No. 894,132; July 21; Sp. p. 3651; Dr. pp. 753-4; Gaz. vol. 135; p. 635.
- Freeland, G. W., Moline, Ill., assignor to Williams, White and Company. Coal pocket or bin. No. 894,133; July 21; Sp. p. 3653; Dr. p. 754; Gaz. vol. 135; p. 636.
- Freels, H. (See Voorhees, A. L., assignor.)
- Freeman, C. C., Dixfield, Me. Machine for boxing toothpicks. No. 882,879; Mar. 24; Sp. p. 4757; Dr. pp. 1012-13; Gaz. vol. 133; p. 876.
- Freeman, C. C., Dixfield, Me. Machine for boxing toothpicks. No. 906,214; Dec. 8; Sp. p. 2159; Gaz. vol. 137; p. 1370.
- Freeman, F., Geneva, Ind. Valve. No. 897,078; Aug. 25; Sp. p. 4651; Dr. p. 991; Gaz. vol. 135; p. 1717.
- Freeman, F. P., Dominion, Yukon, Canada. Driving-head. No. 891,157; June 16; Sp. p. 3958; Dr. p. 868; Gaz. vol. 134; p. 1754.
- Freeman, H. C., St. Paul, Minn. Conduit for electric wires. No. 896,984; Aug. 25; Sp. p. 4462; Dr. p. 953; Gaz. vol. 135; p. 1685.
- Freeman, H. H., Wilkinsburg, Pa. Smelting-furnace for copper and other ores. No. 879,623; Feb. 18; Sp. p. 3574; Dr. p. 748; Gaz. vol. 132; p. 1487.
- Freeman, J. (See Werner, E., assignor.)
- Freeman, J. H., Savanna, Ill. Toilet vessel. No. 878,625; Feb. 11; Sp. p. 1587; Dr. p. 322; Gaz. vol. 132; p. 1125.
- Freeman, J. R., Providence, R. I. Molded strainer or screen for wells, filters, and the like. No. 907,328; Dec. 22; Sp. p. 4298; Gaz. vol. 137; p. 1791.
- Freeman, L. A., *et al.* (See Mentzer, C. E., assignor.)
- Freeman, M. E., Bradford, Pa. Pneumatic dust-remover. No. 896,290; Aug. 18; Sp. p. 3004; Dr. p. 646; Gaz. vol. 135; p. 1436.
- Freeman, W., *et al.* (See Jiminez, A. L., assignor.)
- Freeman, W., New York, N. Y. Suspenders. No. 900,921; Oct. 13; Sp. p. 1816; Dr. p. 368; Gaz. vol. 136; p. 1378.
- Freeman, W., assignor to Harris Suspenders Company, New York, N. Y. Suspenders, braces, &c. No. 885,463; Apr. 21; Sp. p. 3682; Dr. p. 771; Gaz. vol. 133; p. 1837.
- Freeman, W., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Display-rack. No. 892,413; July 7; Sp. p. 42; Dr. p. 11; Gaz. vol. 135; p. 11.
- Freeman, W. H., Freshold, N. J. Vein-tube. No. 878,199; Feb. 4; Sp. p. 636; Dr. p. 130; Gaz. vol. 132; p. 949.
- Frees, J. C., Ferry, Mich. Pitchfork. No. 894,491; July 28; Sp. p. 4421; Dr. p. 914; Gaz. vol. 135; p. 774.
- Freese, F. J., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 895,623; Aug. 11; Sp. p. 1696; Dr. p. 360; Gaz. vol. 135; p. 1198.
- Freese, I. H., J. W. Romigh, and H. A. Carothers, Clarksburg, W. Va. Apparatus for fire finishing and polishing glassware. No. 884,478; Apr. 14; Sp. p. 1635; Dr. pp. 351-2; Gaz. vol. 133; p. 1483.
- Frei, M. R., Denver, Colo. Electric sterilizer for food products. No. 907,140; Dec. 22; Sp. p. 3912; Gaz. vol. 137; p. 1726.
- Freibahn Ges. M. B. H. (See Jonas, R., assignor.)
- Freise, H., Bochum, Germany. Electrically detecting dangerous gases and apparatus therefor. No. 892,241; June 30; Sp. p. 6188; Dr. p. 1333; Gaz. vol. 134; p. 2176.
- French, A. G., Grey Lynn, near Auckland, New Zealand. Manufacturing ammonium chlorid. No. 882,460; Mar. 17; Sp. p. 3905; Gaz. vol. 133; p. 706.

Alphabetical list of patentees—Continued.

- French, A. W., Piqua, Ohio. Oil-cake-stripping machine. No. 902,869; Nov. 3; Sp. p. 685; Gaz. vol. 137; p. 114.
- French, B. J., assignor of one-half to E. A. Bromley, Brighton, Colo. Power device for moving automobiles. No. 891,767; June 23; Sp. p. 5242; Dr. p. 1136; Gaz. vol. 134; p. 1990.
- French, F. H., assignor to Draper Company, Hopedale, Mass. Safety-coupling for driving and driven members. No. 902,527; Oct. 27; Sp. p. 5182; Dr. p. 1047; Gaz. vol. 136; p. 1970.
- French, H. C., Cleveland, Ohio. Lawn cleaner and cultivator. No. 879,759; Feb. 18; Sp. p. 3834; Dr. p. 804; Gaz. vol. 132; p. 1531.
- French, H. C., East Cleveland, assignor of one-half to L. Wolf, Cleveland, Ohio. Box-lid support. No. 905,807; Dec. 1; Sp. p. 1370; Gaz. vol. 137; p. 1208.
- French, H. E., assignor to Krell-French Piano Co., Newcastle, Ind. Key for combination instruments. No. 905,304; Dec. 1; Sp. p. 336; Gaz. vol. 137; p. 1042.
- French, H. L., Port Huron, Mich. Device for tying packages. No. 893,234; July 14; Sp. p. 1713; Dr. p. 361; Gaz. vol. 135; p. 309.
- French, I. G. (See Barber and French.)
- French, J., Woonsocket, R. I. Sewing-machine. No. 907,027; Dec. 15; Sp. p. 3673; Gaz. vol. 137; p. 1654.
- French, J. R., assignor to Lacy Manufacturing Company, Los Angeles, Cal. Punching and riveting machine. No. 877,419; Jan. 21; Sp. p. 3554; Dr. pp. 768-9; Gaz. vol. 132; p. 647.
- French, L. W., Holton, Kans. Rain-water filter. No. 900,510; Oct. 6; Sp. p. 951; Dr. p. 193; Gaz. vol. 136; p. 1217.
- French, M. (See Boardman, J. W., assignor.)
- Freund, M., *et al.* (See Busch, A. A., assignor.)
- French, M. E., Clyde, Ohio. Kettle. No. 905,685; Dec. 1; Sp. p. 1133; Gaz. vol. 137; p. 1167.
- French, S. A., New York, N. Y. Button. No. 895,740; Aug. 11; Sp. p. 1934; Dr. p. 409; Gaz. vol. 135; p. 1237.
- French, S. R., Farmington, Iowa. Manure scraper and loader. No. 879,253; Feb. 18; Sp. p. 2784; Dr. p. 584; Gaz. vol. 132; p. 1367.
- French, W. S., *et al.* (See Houck, W., assignor.)
- Frentz, H. A., Hoboken, N. J., assignor to William H. Jackson Company, New York, N. Y. Andiron. No. 906,006; Dec. 8; Sp. p. 1762; Gaz. vol. 137; p. 1302.
- Frentzen, G., Aix-la-Chapelle, Germany. Mud-wing for motor-vehicles. No. 883,710; Apr. 7; Sp. p. 69; Dr. p. 10; Gaz. vol. 133; p. 1203.
- Friedrichs, F. W., St. Louis, Mo. Manufacturing ammonia. No. 905,415; Dec. 1; Sp. p. 570; Gaz. vol. 137; p. 1081.
- Freschl, A., Chicago, Ill. Apparatus for manufacturing upholstery. No. 883,711; Apr. 7; Sp. p. 70; Dr. p. 10; Gaz. vol. 133; p. 1204.
- Freschl, A., Chicago, Ill. Seat. No. 897,282; Sept. 1; Sp. p. 34; Dr. p. 9; Gaz. vol. 136; p. 8.
- Freschl, A., Chicago, Ill. Cushion. No. 908,085; Dec. 29; Sp. p. 5887; Gaz. vol. 137; p. 2071.
- Frese, O., and H. Rauch, Cincinnati, Ohio. Chaperlet for cores. No. 889,115; May 26; Sp. p. 5633; Dr. p. 1193; Gaz. vol. 134; p. 1001.
- Fresh, W. E., Woburn, Mass. Top-draft lantern. No. 878,518; Feb. 11; Sp. p. 1336; Dr. p. 270; Gaz. vol. 132; p. 1088.
- Freshour, H. C., Bridgeport, Conn. Tank flush-valve. No. 895,741; Aug. 11; Sp. p. 1935; Dr. p. 409; Gaz. vol. 135; p. 1237.
- Freshour, H. C., Bridgeport, Conn. Tank flush-valve. No. 895,742; Aug. 11; Sp. p. 1936; Dr. p. 410; Gaz. vol. 135; p. 1237.
- Fresnaye, J. A. de la, Bagnolet, assignor to G. Philippart, Paris, France. Construction of toy or game implement. No. 898,210; Sept. 8; Sp. p. 1983; Dr. p. 423; Gaz. vol. 136; p. 344.
- Fretz, J. A. (See Mitchell and Fretz.)
- Fretz, J. A., Philadelphia, Pa. Door-spring. No. 896,291; Aug. 18; Sp. p. 3005; Dr. p. 646; Gaz. vol. 135; p. 1436.
- Freudenfels, H. H., New York, N. Y. Siphon-head. No. 893,577; July 14; Sp. p. 2438; Dr. p. 507; Gaz. vol. 136; p. 421.
- Freund, H. H., New York, N. Y. Fermenting beer, ale, and other fermentable liquids. No. 878,790; Feb. 11; Sp. p. 1904; Dr. pp. 391-2; Gaz. vol. 132; p. 1179.
- Freund, J., Crystal City, Mo. Roofing-tile. No. 889,595; June 2; Sp. p. 803; Dr. p. 183; Gaz. vol. 134; p. 1187.
- Freund, M., Frankfort-on-the-Main, Germany. Preparation of phthalic-acid salts of cotarnin and product resulting therefrom. No. 892,414; July 7; Sp. p. 43; Gaz. vol. 135; p. 11.
- Frew, H. G., New Philadelphia, Ohio. Nut-lock. No. 888,797; May 26; Sp. p. 4980; Dr. p. 1063; Gaz. vol. 134; p. 898.
- Frey, C. N., assignor to J. M. Robinson Manufacturing Company, Cincinnati, Ohio. Clutch. No. 885,335; Apr. 21; Sp. p. 3440; Dr. p. 718; Gaz. vol. 133; p. 1796.
- Frey, E. (See Frey, J. H. and E.)
- Frey, E. G., Pittsburg, Pa. Trundling toy. No. 898,351; Sept. 8; Sp. p. 2237; Dr. p. 477; Gaz. vol. 136; p. 388.
- Frey, E. H., Cleveland, Ohio. Addressing-machine. No. 897,887; Sept. 8; Sp. p. 1316; Dr. p. 281; Gaz. vol. 136; p. 240.
- Frey, E. H., Cleveland, Ohio. Addressing-machine. No. 897,888; Sept. 8; Sp. p. 1318; Dr. p. 282; Gaz. vol. 136; p. 241.
- Frey, E. S., and D. J. McLaughlin, Brooklyn, N. Y. Attachment for supporting feed-bags. No. 893,235; July 14; Sp. p. 1713; Dr. p. 361; Gaz. vol. 135; p. 309.
- Frey, G. G., Floyd, N. Y. Rotary rocking-chair. No. 901,090; Oct. 13; Sp. p. 2140; Dr. p. 436; Gaz. vol. 136; p. 1433.
- Frey, H. J., Pittsburg, Pa. Window-chair. No. 901,801; Oct. 20; Sp. p. 3654; Dr. p. 740; Gaz. vol. 136; p. 1703.
- Frey, J. (See Röttgen and Frey.)
- Frey, J. C., assignor of one-half to G. B. Fink, Rochester, N. Y. Wrench. No. 885,596; Apr. 21; Sp. p. 3951; Dr. p. 825; Gaz. vol. 133; p. 1876.
- Frey, J. D., Continental, Ohio. Nut and bolt lock. No. 890,420; June 9; Sp. p. 2470; Dr. p. 547; Gaz. vol. 134; p. 1482.
- Frey, J. H., assignor one-half to F. C. Hardacre, Vincennes, Ind. Lawn-mower. No. 884,651; Apr. 14; Sp. p. 2026; Dr. p. 433; Gaz. vol. 133; p. 1540.
- Frey, J. H., assignor of one-half to F. C. Hardacre, Vincennes, Ind. Shears. No. 903,370; Nov. 10; Sp. p. 1663; Gaz. vol. 137; p. 305.
- Frey, J. H., assignor of one-half to F. C. Hardacre, Vincennes, Ind. Lawn-mower sharpener. No. 903,371; Nov. 10; Sp. p. 1664; Gaz. vol. 137; p. 305.
- Frey, J. H. and E., Schaffhausen, Switzerland. Preparing negatives for sand-blast engraving. No. 903,699; Nov. 10; Sp. p. 2333; Gaz. vol. 137; p. 410.
- Frey, S. C., York, Pa. Electric-railway system. No. 887,932; May 19; Sp. p. 3247; Dr. pp. 682-3; Gaz. vol. 134; p. 585.
- Frick, C. H., San Antonio, Tex. Groove-rail cleaner. No. 876,957; Jan. 21; Sp. p. 2616; Dr. p. 568; Gaz. vol. 132; p. 493.
- Frick, C. M., *et al.* (See Fish, J., assignor.)
- Frick, D. D., *et al.* (See Fish, J., assignor.)
- Frick, H. E. (See Rolin, C. W., assignor.)
- Frick, L., Evansville, Ind. Barrel-heater. No. 896,374; Aug. 18; Sp. p. 3178; Dr. p. 682; Gaz. vol. 135; p. 1461.
- Frick, O., Stockholm, Sweden. Electric transformer-furnace. No. 893,618; July 21; Sp. p. 2524; Dr. p. 526; Gaz. vol. 135; p. 465.
- Frick, O. A., Defiance, Ohio. Hub-banding machine. No. 878,131; Feb. 4; Sp. p. 471; Dr. p. 101; Gaz. vol. 132; p. 926.
- Fricke, H. C., and G. E. Turner, assignors to Turner-Fricke Manufacturing Company, Pittsburg, Pa. Mixing-valve for explosive-engines. No. 882,939; Mar. 24; Sp. p. 4879; Dr. p. 1036; Gaz. vol. 133; p. 897.
- Fricke, H. C., and G. E. Turner, assignors to Turner-Fricke Manufacturing Company, Pittsburg, Pa. Starting mechanism for explosive-engines. No. 888,007; May 19; Sp. p. 3390; Dr. pp. 712-13; Gaz. vol. 134; p. 609.
- Fricke, W. A., assignor to Monarch Telephone Manufacturing Company, Chicago, Ill. Telephone-exchange apparatus. No. 879,454; Feb. 18; Sp. p. 3218; Dr. p. 670; Gaz. vol. 132; p. 1432.
- Fricke, W. E., Sumpter, Oreg. Package-tie. No. 886,592; May 5; Sp. p. 498; Dr. p. 107; Gaz. vol. 134; p. 89.
- Fricke, A., Pittsburg, Pa. Gas and gasoline engine. No. 894,622; July 28; Sp. p. 4684; Dr. p. 972; Gaz. vol. 135; p. 816.
- Fricke, F. A., Scranton, Pa. Inkstand. No. 879,624; Feb. 18; Sp. p. 3576; Dr. p. 749; Gaz. vol. 132; p. 1488.
- Fricke, F. A., Scranton, Pa. Switch-operating mechanism. No. 888,605; May 26; Sp. p. 4578; Dr. p. 971; Gaz. vol. 134; p. 836.
- Fricks, W. D., Atlanta, Ga. Key-lock for type-writers. No. 892,242; June 30; Sp. p. 6190; Dr. p. 1334; Gaz. vol. 134; p. 2176.
- Friday, S. B., Brandon, Wis. Butter-cutting machine. No. 893,718; Aug. 25; Sp. p. 3852; Dr. pp. 833-4; Gaz. vol. 135; p. 1595.
- Fride, L. F., Philadelphia, Pa. Insecticide. No. 890,636; June 16; Sp. p. 2933; Gaz. vol. 134; p. 1586.
- Fried. Krupp Aktiengesellschaft. (See Becker, J., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Gosmann, W., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Grauhering, O., assignor.)
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- Fried. Krupp Aktiengesellschaft. (See Kanonenberg, H., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Knoch, O., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Koch, N., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Lauber and Koch, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Mayer, W., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Netto, M. da S., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Schleth, F., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Schoeller, G. A., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Stock, F., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Wieser, K., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Wratzke, A., assignor.)
- Fried. Krupp Aktiengesellschaft Germaniawerft. (See Behrmann, G., assignor.)
- Fried. Krupp Aktiengesellschaft Germaniawerft. (See Mehrten, O., assignor.)

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- Friedel, A. H., Cleveland, Ohio. Boat. No. 883,455; Mar. 31; Sp. p. 5948; Dr. pp. 1268-9; Gaz. vol. 133; p. 1096.
 Friedel, A. H., Cleveland, Ohio. Flying-machine. No. 900,844; Oct. 13; Sp. p. 1653; Dr. p. 334; Gaz. vol. 136; p. 1354.
 Friedenwald Company. (See Kirmse, O. E., assignor.)
 Friedheim, E., Paris, France. Device for manufacturing molds. No. 906,007; Dec. 8; Sp. p. 1763; Gaz. vol. 137; p. 1303.
 Friedlaender, K., Berlin, Germany. Supervisory apparatus. No. 878,791; Feb. 11; Sp. p. 1907; Dr. p. 392; Gaz. vol. 132; p. 1179.
 Friedlein, H., Kalk, near Cologne, Germany. Ticket printing and registering apparatus. No. 891,614; June 23; Sp. p. 4919; Dr. pp. 1060-1; Gaz. vol. 134; p. 1936.
 Friedman, G., Jamestown, N. Y. Bread-mixer. No. 898,211; Sept. 8; Sp. p. 1984; Dr. p. 423; Gaz. vol. 136; p. 344.
 Friedman, N., New York, N. Y. Electric clock. No. 878,877; Feb. 11; Sp. p. 2056; Dr. pp. 426-7; Gaz. vol. 132; p. 1206.
 Friedman, S., *et al.* (See Felix, A. A., assignor.)
 Friedmann, H. (See Schliepe, A., assignor.)
 Friedrich, P. O. E., New York, N. Y., and J. G. Lyman, Philadelphia, Pa., assignors to Caloris Manufacturing Company. Vacuum-bottle. No. 902,528; Oct. 27; Sp. p. 5183; Dr. p. 1048; Gaz. vol. 136; p. 1970.
 Friedrichs, J., Woonsocket, R. I. Dyeing apparatus. No. 907,229; Dec. 22; Sp. p. 4106; Gaz. vol. 137; p. 1756.
 Friend, H., Lexington, Okla. Bridge construction. No. 891,417; June 23; Sp. p. 4531; Dr. p. 986; Gaz. vol. 134; p. 1873.
 Friend, H., assignor of one-half to W. J. Stevens, Lexington, Okla. Insulator. No. 888,154; May 19; Sp. p. 3663; Dr. p. 766; Gaz. vol. 134; p. 654.
 Friend, H., assignor of one-half to W. J. Stevens, Lexington, Okla. Wire-clutch. No. 890,561; June 9; Sp. p. 2735; Dr. p. 605; Gaz. vol. 134; p. 1528.
 Friend, J. E., Annandale, Sydney, New South Wales, Australia. Rotary engine. No. 902,225; Oct. 27; Sp. p. 4506; Dr. pp. 912-13; Gaz. vol. 136; p. 1868.
 Friendlich, E., New York, N. Y. Drinking vessel. No. 882,378; Mar. 17; Sp. p. 3766; Dr. p. 803; Gaz. vol. 133; p. 679.
 Fries, D., assignor to Stewart Jail Works Company, Covington, Ky. Bar-joint. No. 893,473; July 14; Sp. p. 2199; Dr. p. 461; Gaz. vol. 135; p. 388.
 Friess, W., Leipzig-Lindenau, and E. Weingärtner, Leipzig-Plagwitz, Germany. Bronzing-machine. No. 888,480; May 26; Sp. p. 4317; Dr. p. 913; Gaz. vol. 134; p. 791.
 Frigone, S., Chicago, Ill. Weather-strip. No. 902,143; Oct. 27; Sp. p. 4330; Dr. p. 877; Gaz. vol. 136; p. 1842.
 Frink, R. L., Bellevernon, assignor to Window Glass Machine Company, Pittsburg, Pa. Crane mechanism. No. 907,141; Dec. 22; Sp. p. 3913; Gaz. vol. 137; p. 1727.
 Friske, A. W., Chicago, assignor to F. E. Pearsall, Batavia, Ill. Paper-clip. No. 907,588; Dec. 22; Sp. p. 4833; Gaz. vol. 137; p. 1877.
 Frisse, H. J., near Pierron, Ill. Potato-digger. No. 901,608; Oct. 20; Sp. p. 3222; Dr. p. 660; Gaz. vol. 136; p. 1638.
 Frister, A., Bremen, Germany. Combined conveyer and purifier for grain and the like. No. 905,865; Dec. 8; Sp. p. 1493; Gaz. vol. 137; p. 1257.
 Fritch, E. D., Chicago, Ill., and G. Drewry, Washington, D. C. Ticket. No. 876,794; Jan. 14; Sp. p. 2244; Dr. p. 493; Gaz. vol. 132; p. 398.
 Frith, J. (See Hopkinson and Frith.)
 Frith, J. J., Boissevain, Manitoba, Canada. Toaster. No. 903,852; Nov. 17; Sp. p. 2655; Gaz. vol. 137; p. 492.
 Frits, M. C., Loraine, Ill. Coop. No. 889,596; June 2; Sp. p. 803; Dr. p. 183; Gaz. vol. 134; p. 1187.
 Fritsch, R., Oberlössnitz, near Dresden, Germany. Liquid-meter. No. 888,481; May 26; Sp. p. 4320; Dr. p. 914; Gaz. vol. 134; p. 792.
 Fritsche, F., assignor to Stolle and Kopke, Rumburg, Austria-Hungary. Production of a soluble gum. No. 900,274; Oct. 6; Sp. p. 438; Gaz. vol. 136; p. 1140.
 Fritsche, F., assignor to Firm of Stolle & Kopke, Rumburg, Austria-Hungary. Sodium perborate containing borax and producing same. No. 903,967; Nov. 17; Sp. p. 2911; Gaz. vol. 137; p. 531.
 Fritsche, G., Strzebowitz, near Schönbrunn, Austria-Hungary, assignor to Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacture of spirits. No. 884,576; Apr. 14; Sp. p. 1836; Gaz. vol. 133; p. 1516.
 Fritsche, J., Philadelphia, Pa. Vending-machine. No. 892,243; June 30; Sp. p. 6192; Dr. pp. 1334-5; Gaz. vol. 134; p. 2177.
 Fritsche, J., Philadelphia, Pa. Vending-machine for matches. No. 901,091; Oct. 13; Sp. p. 2142; Dr. p. 437; Gaz. vol. 136; p. 1433.
 Fritterer, M. F., *et al.* (See Emenaker, J., assignor.)
 Fritz, L., assignor to C. E. Troemner, Philadelphia, Pa. Beam-scale. No. 891,768; June 23; Sp. p. 5244; Dr. p. 1136; Gaz. vol. 134; p. 1990.
 Friz, C. N., Baltimore, Md. Fly-screen. No. 885,597; Apr. 21; Sp. p. 3953; Dr. p. 825; Gaz. vol. 133; p. 1876.
 Froberg, J. A., Chicago, Ill. Fruit-juice and preserving same. No. 892,415; July 7; Sp. p. 44; Gaz. vol. 135; p. 11.
 Fröberg, M. G., Stockholm, Sweden. Calculating-machine for money and similar objects. No. 902,067; Oct. 27; Sp. p. 4184; Dr. pp. 847-8; Gaz. vol. 136; p. 1818.
 Frocheur, O., Charleroi, Pa. Bottle-stopper. No. 883,533; Mar. 31; Sp. p. 6098; Dr. p. 1297; Gaz. vol. 133; p. 1119.
 Froehlich, J., New York, N. Y., assignor to Mergenthaler Linotype Company. Sorting mechanism for linotype-machines. No. 890,269; June 9; Sp. p. 2188; Dr. pp. 480-1; Gaz. vol. 134; p. 1433.
 Froehlich, H. C., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch-plug. No. 879,760; Feb. 18; Sp. p. 3839; Dr. p. 805; Gaz. vol. 132; p. 1532.
 Froese, M., New York, N. Y. Ash-sifter. No. 892,952; July 7; Sp. p. 1130; Dr. p. 237; Gaz. vol. 135; p. 189.
 Fröhlich, J. (See Engi and Fröhlich.)
 Fröhlich, R. C., Philadelphia, Pa. Turbine. No. 903,557; Nov. 10; Sp. p. 2053; Gaz. vol. 137; p. 367.
 Froman, B. C., assignor of one-third to J. L. Ward, Edwall, Wash. Railway-switch. No. 896,203; Aug. 18; Sp. p. 2820; Dr. p. 607; Gaz. vol. 135; p. 1406.
 Fromham, E. D., Pittsburg, Pa. Binder for sand-cores, briquets, &c. No. 903,558; Nov. 10; Sp. p. 2056; Gaz. vol. 137; p. 567.
 Fromer, L. (See Richter, C., assignor.)
 Fromhart, W. H., Golden, Colo. Hinge. No. 907,768; Dec. 29; Sp. p. 5244; Gaz. vol. 137; p. 1967.
 Fromont, L. G., Liege, Belgium. Gas-furnace. No. 900,845; Oct. 13; Sp. p. 1654; Dr. p. 335; Gaz. vol. 136; p. 1355.
 Frömsdorf, R., assignor to Ludwig Hupfeld, Aktiengesellschaft, Leipzig, Germany. Piano. No. 876,535; Jan. 14; Sp. p. 1728; Dr. p. 376; Gaz. vol. 132; p. 314.
 Frondel, A., Omaha, Nebr. Kitchen-range. No. 891,769; June 23; Sp. p. 5246; Dr. p. 1137; Gaz. vol. 134; p. 1990.
 Frood, H., and D. G. Holmes, Chapel-en-le-Frith, England. Brake-block. No. 894,946; Aug. 4; Sp. p. 340; Dr. p. 68; Gaz. vol. 135; p. 950.
 Frost, C. E., assignor to Atlas Anchor Company, Cleveland, Ohio. Device for setting earth-anchors. No. 880,649; Mar. 3; Sp. p. 328; Dr. p. 71; Gaz. vol. 133; p. 56.
 Frost, C. W., Philadelphia, Pa. Toy building-block. No. 879,455; Feb. 18; Sp. p. 3222; Dr. p. 670; Gaz. vol. 132; p. 1433.
 Frost, F. H., and W. A. Reese, Richmond, W. Va. Gripping-pulley. No. 888,702; May 26; Sp. p. 4778; Dr. p. 1017; Gaz. vol. 134; p. 867.
 Frost, H. E. (See Wright and Frost.)
 Frost, H. J., Glenridge, N. J. Fisherman's fly and bait book. No. 891,055; June 16; Sp. p. 3797; Dr. pp. 828-9; Gaz. vol. 134; p. 1724.
 Frost, J. E., Newman Grove, Nebr. Automatic brake. No. 883,637; Mar. 31; Sp. p. 6299; Dr. pp. 1343-4; Gaz. vol. 133; p. 1152.
 Frost, J. E., Watkins, N. Y. Steam and hot-water heater. No. 903,700; Nov. 10; Sp. p. 2335; Gaz. vol. 137; p. 410.
 Frost, W. G., Broad Ripple, Ind. Renewable-front washboard. No. 879,761; Feb. 18; Sp. p. 3841; Dr. p. 805; Gaz. vol. 132; p. 1532.
 Frost, W. G., Indianapolis, Ind. Renewable-front washboard. No. 888,155; May 19; Sp. p. 3665; Dr. p. 766; Gaz. vol. 134; p. 655.
 Frost, W. H. (See Nix and Frost.)
 Frost, W. H., Los Angeles, Cal. Internal-combustion engine. No. 885,598; Apr. 21; Sp. p. 3955; Dr. p. 895; Gaz. vol. 133; p. 1876.
 Frost, W. H., and J. J. Nix, Los Angeles, Cal.; said Nix assignor to said Frost. Producing gas. No. 900,065; Sept. 29; Sp. p. 5663; Dr. p. 1210; Gaz. vol. 136; p. 1041.
 Frost, W. J., Kenosha, Wis. Trap for waste-water pipes. No. 893,791; July 21; Sp. p. 2948; Dr. p. 602; Gaz. vol. 135; p. 523.
 Frothingham, D. D., Salem, Mass. Machine for cutting and punching sheet material. No. 885,237; Apr. 21; Sp. p. 3239; Dr. p. 676; Gaz. vol. 133; p. 1763.
 Frowein, F., assignor to Frowein & Wiescher, Barmen, Germany. Incandescent mantle. No. 893,578; July 14; Sp. p. 2439; Dr. p. 508; Gaz. vol. 135; p. 422.
 Frowein & Wiescher. (See Frowein, F., assignor.)
 Fruecht, J. J., and J. J. Zimmer, Carnegie, Pa. Agricultural implement. No. 905,808; Dec. 1; Sp. p. 1372; Gaz. vol. 137; p. 1209.
 Fruin, J. L., *et al.* (See Jacoby, C. A., assignor.)
 Fruin, J. L., New York, N. Y. Plumbing system. No. 897,283; Sept. 1; Sp. p. 36; Dr. p. 9; Gaz. vol. 136; p. 9.
 Fruin, J. L., and J. J. Crotty, New York, N. Y. Fresh-air inlet. No. 887,322; May 12; Sp. p. 2022; Dr. p. 423; Gaz. vol. 134; p. 354.
 Fry, D. L. (See Huffman and Fry.)
 Fry, H. C. (See Woodruff, F., assignor.)
 Fry, J. E., Gibsonburg, Ohio. Self-heating sad-iron. No. 880,514; Mar. 3; Sp. p. 41; Dr. p. 10; Gaz. vol. 133; p. 10.
 Fry, J. E., Denver, Colo., assignor of one-half to M. H. Van Sicklen, Chicago, Ill. Grinding-machine. No. 876,449; Jan. 14; Sp. p. 1537; Dr. p. 330; Gaz. vol. 132; p. 283.
 Fry, J. W., and C. W. Fisher, Philadelphia, Pa. Try-square. No. 900,995; Oct. 13; Sp. p. 1965; Dr. p. 400; Gaz. vol. 136; p. 1403.

Alphabetical list of patentees—Continued.

- Fry, R. C., Davis, assignor of one-half to M. Branam, Maysville, W. Va. Window-sash. No. 880,447; Feb. 25; Sp. p. 5272; Dr. p. 1109; Gaz. vol. 132; p. 1793.
- Fry, S. D., Indianapolis, Ind. Gate. No. 876,342; Jan. 14; Sp. p. 1302; Dr. p. 281; Gaz. vol. 132; p. 247.
- Frydman, J., and L. Chambon, Paris, France. Color-printing device in cash-registers. No. 885,464; Apr. 21; Sp. p. 3683; Dr. p. 772; Gaz. vol. 133; p. 1337.
- Frye, G. V., and F. B. Hinkson, Lexington, Ohio; said Hinkson assignor to said Frye. Making butter. No. 888,076; May 19; Sp. p. 3513; Gaz. vol. 134; p. 630.
- Frye, I. L., Vandergrift, Pa. Wrench. No. 902,144; Oct. 27; Sp. p. 4331; Dr. p. 877; Gaz. vol. 136; p. 1842.
- Frye, J. E., Boston, Mass. Gas-tip. No. 905,167; Dec. 1; Sp. p. 88; Gaz. vol. 137; p. 997.
- Frye, P. A., Cleveland, Ohio. Bag and blank therefor. No. 899,723; Sept. 29; Sp. p. 4905; Dr. p. 1053; Gaz. vol. 136; p. 928.
- Frye, T., Davenport, Iowa. Finish for stoves. No. 892,823; July 7; Sp. p. 850; Gaz. vol. 135; p. 145.
- Frye, W. L., Edgerton, Kans. Embalming fluid. No. 905,168; Dec. 1; Sp. p. 89; Gaz. vol. 137; p. 997.
- Fryer, E. J., assignor of one-half to E. B. Roark, Claremont, Western Australia, Australia. Positive water-meter. No. 898,863; Sept. 15; Sp. p. 3230; Dr. p. 692; Gaz. vol. 136; p. 587.
- Frymire, C. A. (See Martin, A., assignor.)
- Frysinger, H. M., and W. W. Barrett, Wilmington, Del. Means for setting type compositions on curved lines. No. 880,875; Mar. 3; Sp. p. 807; Dr. p. 171; Gaz. vol. 133; p. 135.
- Fuchs, J., Cincinnati, Ohio. Friction-clutch. No. 879,862; Feb. 25; Sp. p. 4061; Dr. p. 856; Gaz. vol. 132; p. 1598.
- Fuchs, J., Cincinnati, Ohio. Friction-clutch. No. 888,703; May 26; Sp. p. 4779; Dr. p. 1017; Gaz. vol. 134; p. 867.
- Fuchs, L., Rohrbach, Austria-Hungary. Centrifugal machine. No. 877,991; Feb. 4; Sp. p. 188; Dr. p. 42; Gaz. vol. 132; p. 880.
- Fuchs & Lang Mfg. Co. (See Ford, A. J., assignor.)
- Fuchs, W. L., Sardis, Ohio. Safety-stirrup. No. 897,974; Sept. 8; Sp. p. 1527; Dr. pp. 324-5; Gaz. vol. 136; p. 270.
- Fudickar, E. (See Siepermann and Fudickar.)
- Fuessel, F. W. (See Fuessel, W. G. and F. W.)
- Fuessel, W. G. and F. W., Hicksville, N. Y. Level. No. 893,992; July 21; Sp. p. 3373; Dr. p. 690; Gaz. vol. 135; p. 589.
- Fuhlendorf, A., and J. Grothe, New York, N. Y. Type-writing machine. No. 887,083; May 12; Sp. p. 1486; Dr. pp. 315-16; Gaz. vol. 134; p. 274.
- Fuhrer, B., Scranton, Pa. Box-loom. No. 896,003; Aug. 11; Sp. p. 2459; Dr. p. 529; Gaz. vol. 135; p. 1321.
- Fulcher, W. H., assignor to Teddy Jaw Pulverizer Company, Oakland, Cal. Rock crusher and pulverizer. No. 906,790; Dec. 15; Sp. p. 3232; Gaz. vol. 137; p. 1580.
- Fulghum, T. E. (See Plank and Fulghum.)
- Fuller, A. (See Hering and Fuller.)
- Fuller, A., Amsterdam, N. Y. Folding step for railway-cars. No. 877,708; Jan. 28; Sp. p. 4136; Dr. p. 895; Gaz. vol. 132; p. 761.
- Fuller, A. B., et al. (See Drake, T. S., assignor.)
- Fuller, A. M., U. S. Army. Fire-curtain. No. 886,968; May 5; Sp. p. 1254; Dr. p. 265; Gaz. vol. 134; p. 208.
- Fuller, B. A., and M. Bateman, assignors to Hercules Manufacturing Company, Centerville, Iowa. Concrete-block mold. No. 887,933; May 19; Sp. p. 3252; Dr. p. 683; Gaz. vol. 134; p. 585.
- Fuller, C. A., Manzanola, Colo. Post. No. 880,728; Mar. 3; Sp. p. 476; Dr. p. 100; Gaz. vol. 133; p. 84.
- Fuller Cotton Gin Company. (See Fuller, J. T., assignor.)
- Fuller, E. B., New England, W. Va. Fly-paper holder. No. 903,701; Nov. 10; Sp. p. 2337; Gaz. vol. 137; p. 410.
- Fuller, E. P., Detroit, Mich. Smoke-filter. No. 907,769; Dec. 29; Sp. p. 5245; Gaz. vol. 137; p. 1967.
- Fuller, E. R., Salkum, Wash. Rein-holder. No. 894,379; July 28; Sp. p. 4191; Dr. p. 884; Gaz. vol. 135; p. 737.
- Fuller, F. S., Greeley, Colo. Plow. No. 875,988; Jan. 7; Sp. p. 591; Dr. p. 126; Gaz. vol. 132; p. 103.
- Fuller, H. B., St. Paul, Minn. Sheet-metal article. No. 891,242; June 23; Sp. p. 4167; Dr. p. 912; Gaz. vol. 134; p. 1815.
- Fuller, H. E., Winterset, Iowa. Pedally-operated vise. No. 887,471; May 12; Sp. p. 2331; Dr. p. 488; Gaz. vol. 134; p. 402.
- Fuller, J. A., assignor to Hamilton & Hamilton, Jr., Providence, R. I. Locket and similar article. No. 876,902; Jan. 14; Sp. p. 2467; Dr. p. 539; Gaz. vol. 132; p. 434.
- Fuller, J. M. (See Wells and Fuller.)
- Fuller, J. M., Cedar Falls, Iowa. Hay-rack. No. 894,134; July 21; Sp. p. 3656; Dr. p. 755; Gaz. vol. 135; p. 636.
- Fuller, J. T., Calvert, Tex., assignor to Fuller Cotton Gin Company. Apparatus for handling seed-cotton. No. 897,079; Aug. 25; Sp. p. 4652; Dr. pp. 991-2; Gaz. vol. 135; p. 1717.
- Fuller, J. W., Jr., Catasauqua, Pa. Pulverizing or grinding mill. No. 888,077; May 19; Sp. p. 3514; Dr. p. 735; Gaz. vol. 134; p. 630.
- Fuller, J. W., Jr., Catasauqua, Pa. Pusher for cement-grinding mills. No. 893,236; July 14; Sp. p. 1715; Dr. pp. 361-2; Gaz. vol. 135; p. 310.
- Fuller, L. E., assignor of one-half to A. M. Heath, Chicago, Ill. Clutch. No. 888,078; May 19; Sp. p. 3515; Dr. p. 735; Gaz. vol. 134; p. 638.
- Fuller, L. E., assignor of one-half to A. M. Heath, Chicago, Ill. Drain-valve for steam-heating radiators. No. 900,159; Oct. 6; Sp. p. 186; Dr. p. 38; Gaz. vol. 136; p. 1102.
- Fuller, P. W., Boston, Mass. Amusement device. No. 901,435; Oct. 20; Sp. p. 2863; Dr. p. 585; Gaz. vol. 136; p. 1582.
- Fuller, R., Detroit, Mich. Motor-vehicle truck. No. 900,160; Oct. 6; Sp. p. 190; Dr. p. 39; Gaz. vol. 136; p. 1103.
- Fuller, R. B., Evansville, Ind. Machine for making basket-covers. No. 888,989; May 26; Sp. p. 5380; Dr. p. 1142; Gaz. vol. 134; p. 960.
- Fuller, R. B., Evansville, Ind. Machine for making cleats for basket-covers. No. 888,990; May 26; Sp. p. 5385; Dr. pp. 1142-3; Gaz. vol. 134; p. 960.
- Fuller, S. L., et al. (See Drake, T. S., assignor.)
- Fuller, T. H., Lafayette, Ala. Plow. No. 884,652; Apr. 14; Sp. p. 2029; Dr. p. 434; Gaz. vol. 133; p. 1541.
- Fuller, W. C., Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Safe, vault, &c. No. 892,514; July 7; Sp. p. 246; Dr. p. 52; Gaz. vol. 135; p. 45.
- Fuller, W. D., Springfield, Ohio. Fly-trap. No. 882,631; Mar. 24; Sp. p. 4258; Dr. p. 902; Gaz. vol. 133; p. 796.
- Fuller, W. M., Crown Point, assignor of two-thirds to W. C. Witherbee, Port Henry, and M. M. Winters, Crown Point, N. Y. Graphite-separator. No. 894,879; Aug. 4; Sp. p. 167; Dr. p. 36; Gaz. vol. 135; p. 926.
- Fullerton, A. B., Letts, Iowa. Heating-drum. No. 895,550; Aug. 11; Sp. p. 1557; Dr. p. 329; Gaz. vol. 135; p. 1175.
- Fullerton, C. E., New Castle, Pa. Pavement-protector. No. 894,732; July 28; Sp. p. 4880; Dr. p. 1015; Gaz. vol. 135; p. 851.
- Fullilove, J. P., Shreveport, La. Automatic paris-green distributor. No. 879,535; Feb. 18; Sp. p. 3369; Dr. p. 704; Gaz. vol. 132; p. 1459.
- Füllipp, G. A., assignor of one-half to W. H. Lang, East McKeesport, Pa. Automatic shut-off valve. No. 883,160; Mar. 24; Sp. p. 5304; Dr. p. 1132; Gaz. vol. 133; p. 969.
- Fulmer, C. L. and H. M., Muncie, Ind. Animal-trap. No. 893,916; July 21; Sp. p. 3206; Dr. p. 660; Gaz. vol. 135; p. 563.
- Fulmer, H. B., Los Angeles, Cal. Turbine-engine. No. 876,628; Jan. 14; Sp. p. 1947; Dr. pp. 424-5; Gaz. vol. 132; p. 347.
- Fulmer, H. M. (See Fulmer, C. L. and H. M.)
- Fulton, C. W., Paisley, Scotland. Mounting of road-wheels for vehicles. No. 879,160; Feb. 18; Sp. p. 2617; Dr. pp. 544-5; Gaz. vol. 132; p. 1337.
- Fulton, C. W., Paisley, Scotland. Production of patterns, designs, or other similar markings in fabrics. No. 880,983; Mar. 3; Sp. p. 996; Dr. p. 213; Gaz. vol. 133; p. 169.
- Fulton, C. W., Paisley, Scotland. Machine for cutting float-threads on fancy spot fabrics. No. 893,474; July 14; Sp. p. 2200; Dr. pp. 462-3; Gaz. vol. 135; p. 388.
- Fulton Chemical Company. (See Ellis, C., assignor.)
- Fulton Company. (See Fulton, W. M., assignor.)
- Fulton, H. H., Chico, Cal. Finger-shield. No. 888,991; May 26; Sp. p. 5387; Dr. p. 1143; Gaz. vol. 134; p. 961.
- Fulton, J. (See Rice and Fulton.)
- Fulton, J. D. B., Newbridge, Ireland. Artillery-director. No. 876,343; Jan. 14; Sp. p. 1304; Dr. p. 282; Gaz. vol. 132; p. 248.
- Fulton, L. B., assignor to Chaplin-Fulton Manufacturing Company, Pittsburg, Pa. Fluid-pressure regulator. No. 900,275; Oct. 6; Sp. p. 439; Dr. p. 90; Gaz. vol. 136; p. 1140.
- Fulton, N. H., Franklin, Pa. Filing device. No. 888,879; May 26; Sp. p. 5172; Dr. pp. 1097-8; Gaz. vol. 134; p. 926.
- Fulton, R. B., Red Cloud, Nebr. Concrete-mixer. No. 876,270; Jan. 7; Sp. p. 1143; Dr. pp. 248-9; Gaz. vol. 132; p. 192.
- Fulton, W. H., Albany, N. Y. Rotary explosion-engine. No. 894,492; July 28; Sp. p. 4422; Dr. pp. 914-15; Gaz. vol. 135; p. 774.
- Fulton, W. M., Waterloo, Iowa. Range. No. 876,536; Jan. 14; Sp. p. 1730; Dr. p. 376; Gaz. vol. 132; p. 314.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Flexible corrugated wall. No. 887,084; May 12; Sp. p. 1489; Dr. p. 316; Gaz. vol. 134; p. 274.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Valve and valve construction. No. 894,429; July 28; Sp. p. 4303; Dr. p. 887; Gaz. vol. 135; p. 754.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Heat-controlling device. No. 894,947; Aug. 4; Sp. p. 341; Dr. p. 69; Gaz. vol. 135; p. 950.

Alphabetical list of patentees—Continued.

- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Device for utilizing the motion of flexible diaphragms. No. 897,730; Sept. 1; Sp. p. 989; Dr. p. 210; Gaz. vol. 136; p. 159.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Damper-regulator. No. 900,511; Oct. 6; Sp. p. 952; Dr. p. 193; Gaz. vol. 136; p. 1217.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Flexible wall. No. 903,465; Nov. 10; Sp. p. 1856; Gaz. vol. 137; p. 336.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Thermosensitive device for automatic temperature-regulators. No. 904,123; Nov. 17; Sp. p. 3220; Gaz. vol. 137; p. 584.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Electric welding mechanism. No. 904,771; Nov. 24; Sp. p. 4609; Gaz. vol. 137; p. 830.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Heat-controlling device. No. 906,700; Dec. 15; Sp. p. 3057; Gaz. vol. 137; p. 1550.
- Fulton, W. M., assignor to Fulton Company, Knoxville, Tenn. Valve. No. 907,771; Dec. 29; Sp. p. 5248; Gaz. vol. 137; p. 1968.
- Fulton, W. W., Chicago, Ill. Electric-light switch. No. 907,770; Dec. 29; Sp. p. 5246; Gaz. vol. 137; p. 1967.
- Funck, V., Luxemburg, Germany. Load lifting and lowering apparatus. No. 902,145; Oct. 27; Sp. p. 4332; Dr. p. 878; Gaz. vol. 136; p. 1842.
- Funcke, F., assignor to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Red triphenylmethane dye and making. No. 887,620; May 12; Sp. p. 2608; Gaz. vol. 134; p. 450.
- Funk, C., Geneva, Switzerland. Ring-band for watch-movements. No. 892,147; June 30; Sp. p. 6015; Dr. p. 1292; Gaz. vol. 134; p. 2145.
- Funk, E. J., Singer Glen, Va. Instrument to cure gapes. No. 894,198; July 28; Sp. p. 3809; Dr. p. 789; Gaz. vol. 135; p. 377.
- Funk, E. M., Wytheville, Va. Single-trigger double-barrel gun. No. 893,839; July 21; Sp. p. 3057; Dr. p. 624; Gaz. vol. 135; p. 539.
- Funk, E. M., Wytheville, Va. Single-trigger double-barrel gun. No. 893,840; July 21; Sp. p. 3060; Dr. p. 625; Gaz. vol. 135; p. 539.
- Furbish, Z. T., assignor to North Brothers Manufacturing Company, Philadelphia, Pa. Locking mechanism for ratchet screw-drivers. No. 902,957; Nov. 3; Sp. p. 853; Gaz. vol. 137; p. 142.
- Furbush, A. F. (See Arnold and Furbush.)
- Furbush, F. L., assignor to C. G. Sargent's Sons, Westford, Mass. Washing or scouring machine. No. 891,922; June 30; Sp. p. 5577; Dr. p. 1201; Gaz. vol. 134; p. 2073.
- Furcolo, L. C., New Haven, Conn. Non-refillable bottle. No. 885,035; Apr. 21; Sp. p. 2799; Dr. p. 592; Gaz. vol. 133; p. 1697.
- Furgerson, R. G. (See Goehle, P. E., Sr., assignor.)
- Furlow, F. C., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Push-button-controlled plunger-elevator system. No. 907,985; Dec. 29; Sp. p. 5684; Gaz. vol. 137; p. 2037.
- Furlow, F. C., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Combined electric-brake and push-button plunger-elevator system. No. 907,986; Dec. 29; Sp. p. 5690; Gaz. vol. 137; p. 2037.
- Furman, C., Decatur, Ill. Railway-truck frame. No. 878,459; Feb. 4; Sp. p. 1129; Dr. pp. 231-2; Gaz. vol. 132; p. 1034.
- Furman, T. H., Seward, Alaska. Tool-chest handle. No. 888,079; May 19; Sp. p. 3519; Dr. p. 735; Gaz. vol. 134; p. 631.
- Furman, T. H., Denver, Colo. Hair-drying comb. No. 899,038; Sept. 22; Sp. p. 3551; Dr. p. 760; Gaz. vol. 136; p. 671.
- Furnas, L. T., Lima, Ohio. Dress-form. No. 888,992; May 26; Sp. p. 5387; Dr. p. 1144; Gaz. vol. 134; p. 961.
- Furness, A. A., Guildford, England. Tobacco-pipe. No. 877,071; Jan. 21; Sp. p. 2853; Dr. p. 616; Gaz. vol. 132; p. 532.
- Furphy, T. J., Jr., Philadelphia, Pa. Wheel for vehicles. No. 905,866; Dec. 8; Sp. p. 1494; Gaz. vol. 137; p. 1258.
- Furse, A. D., London, England. Disintegrating apparatus. No. 899,521; Sept. 29; Sp. p. 4491; Dr. p. 965; Gaz. vol. 136; p. 864.
- Furterner, P., Rosenheim, Germany. Coupling for fluid-pressure conduits. No. 901,289; Oct. 13; Sp. p. 2520; Dr. pp. 517-18; Gaz. vol. 136; p. 1496.
- Furtney, J. H., Glenwood, Minn. Grain-door. No. 908,086; Dec. 29; Sp. p. 5889; Gaz. vol. 137; p. 2071.
- Fusch, G., Hanover, Germany, assignor to Schutte and Koerting Company, Philadelphia, Pa. Valve. No. 881,234; Mar. 10; Sp. p. 1485; Dr. p. 320; Gaz. vol. 133; p. 280.
- Fusco, J. J. (See Bocchino, E., assignor.)
- Fusco, J. J., Montclair, N. J. Device for determining the depths and fixing the grades of trenches. No. 907,329; Dec. 22; Sp. p. 4300; Gaz. vol. 137; p. 1791.
- Fussenegger, E. (See Julius and Fussenegger.)
- Fust, G. D., New Orleans, La. Roofing material. No. 900,512; Oct. 6; Sp. p. 954; Gaz. vol. 136; p. 1217.
- Futer, L. B., Gordonville, Pa. Catching and delivering mechanism for mail-bags. No. 904,058; Nov. 17; Sp. p. 3093; Gaz. vol. 137; p. 562.
- Futhey, R. S., Los Angeles, Cal. Pump for oil-wells. No. 880,019; Feb. 25; Sp. p. 4401; Dr. p. 925; Gaz. vol. 132; p. 1650.
- Futtermann, A., New York, N. Y. Gas-heated welding-tool. No. 898,864; Sept. 15; Sp. p. 3232; Dr. p. 693; Gaz. vol. 136; p. 588.
- Futtermann, A., New York, N. Y. Welding-tool. No. 899,864; Sept. 29; Sp. p. 5231; Dr. p. 1118; Gaz. vol. 136; p. 977.
- Fyfe, J. C., assignor to Multiscope & Film Company, Burlington, Wis. Photographic-printing frame. No. 891,158; June 16; Sp. p. 3960; Dr. p. 868; Gaz. vol. 134; p. 1755.
- Fyler, E. T., Seattle, Wash. Bill-board. No. 907,772; Dec. 29; Sp. p. 5250; Gaz. vol. 137; p. 1968.
- Fylling, O., Crookston, Minn. Runner attachment for baby-carriages. No. 906,701; Dec. 15; Sp. p. 3059; Gaz. vol. 137; p. 1551.
- Fyrberg, A., Hopkinton, Mass. Firearm. No. 887,784; May 19; Sp. p. 2949; Dr. p. 620; Gaz. vol. 134; p. 535.
- Fyrberg, N. J. A., Hopkinton, Mass. Hinge-pin for breech-loading guns. No. 891,832; June 30; Sp. p. 5404; Dr. p. 1168; Gaz. vol. 134; p. 2043.
- G. A. Swineford Company. (See Maddrell and Swineford, assignors.)
- G. A. E. Kohler. (See Graham, G. M., assignor.)
- G. P. McDougall & Son. (See Connaty, J. W., assignor.)
- G. W. Parsons Company. (See Parsons, G. W., assignor.)
- Ga Nun, F. E., New Rochelle, assignor to J. M. Weissman, New York, N. Y. Necktie. No. 906,008; Dec. 8; Sp. p. 1764; Gaz. vol. 137; p. 1303.
- Gaara, H., New York, N. Y. Manufacture of paper. No. 888,482; May 26; Sp. p. 4321; Dr. p. 914; Gaz. vol. 134; p. 792.
- Gaara, H., and E. Hem, Telemarken, Norway. Method of and apparatus for straining the waste water in paper-mills, wood-pulp factories, and the like. No. 898,212; Sept. 8; Sp. p. 1985; Dr. p. 423; Gaz. vol. 136; p. 344.
- Gaba, M. H., Dayton, Ohio. Window-sash lock. No. 883,712; Apr. 7; Sp. p. 71; Dr. p. 11; Gaz. vol. 133; p. 1204.
- Gabbart, E. E., assignor of one-half to C. Haile, Kingsland, Tex. Railway signal system. No. 888,483; May 26; Sp. p. 4323; Dr. pp. 914-15; Gaz. vol. 134; p. 792.
- Gabbart, E. E., assignor of one-half to J. N. Craig, Salt Gap, Tex. Sash-holder. No. 896,528; Aug. 18; Sp. p. 3493; Dr. p. 750; Gaz. vol. 135; p. 1513.
- Gabel, C., Hawkeye, Iowa. Veterinary obstetrical instrument. No. 886,363; May 5; Sp. p. 42; Dr. p. 9; Gaz. vol. 134; p. 11.
- Gabel, C., Hawkeye, Iowa. Pulley. No. 892,244; June 30; Sp. p. 6197; Dr. p. 1335; Gaz. vol. 134; p. 2177.
- Gabet, G., Rochefort-Sur-Mer, France. Apparatus for operating mechanism from a distance. No. 907,488; Dec. 22; Sp. p. 4628; Gaz. vol. 137; p. 1845.
- Gabler, J., Hornberg, Germany, assignor to Societe Anonym des Metiers Gabler, Basel, Switzerland. Welt-replenishing mechanism for looms. No. 882,106; Mar. 17; Sp. p. 3254; Dr. pp. 691-2; Gaz. vol. 133; p. 592.
- Gabriel, G. A., assignor to Bleach & Caustic Process Company, New York, N. Y. Electrolytic cell. No. 884,653; Apr. 14; Sp. p. 2030; Dr. p. 434; Gaz. vol. 133; p. 1541.
- Gabriel, J. E., Seattle, Wash. Railway-car chock-brake. No. 889,847; June 2; Sp. p. 1274; Dr. p. 293; Gaz. vol. 134; p. 1267.
- Gabriel, W. C., Auburn, Ind. Reinforcement for concrete or cement construction. No. 893,792; July 21; Sp. p. 2950; Dr. p. 603; Gaz. vol. 135; p. 523.
- Gabriele, T., New York, N. Y. Envelope. No. 883,456; Mar. 31; Sp. p. 5950; Dr. p. 1269; Gaz. vol. 133; p. 1096.
- Gabriellian, A. J., Boston, Mass. Welt-shoe. No. 880,515; Mar. 3; Sp. p. 43; Dr. pp. 10-11; Gaz. vol. 133; p. 11.
- Gabriellian, C., Springfield, Mass., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 903,466; Nov. 10; Sp. p. 1858; Gaz. vol. 137; p. 336.
- Gabrielson, C., Syracuse, N. Y., and W. H. Stearns, Worcester, Mass., assignors to L. C. Smith & Bros. Typewriter Company, Syracuse, N. Y. Type-bar cushion. No. 892,043; June 30; Sp. p. 5814; Dr. p. 1251; Gaz. vol. 134; p. 2111.
- Gadient, E., assignor to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Making dibromindigo. No. 883,703; Apr. 7; Sp. p. 57; Gaz. vol. 133; p. 1201.
- Gaeckle, F. W., Ottawa, Ill. Mower. No. 889,363; June 2; Sp. p. 337; Dr. pp. 78-9; Gaz. vol. 134; p. 1112.
- Gaertner, J., Newark, N. J. Horse-bit. No. 884,084; Apr. 7; Sp. p. 847; Dr. p. 178; Gaz. vol. 133; p. 1327.
- Gaeth, P., Cleveland, Ohio. Sparking igniter. No. 880,650; Mar. 3; Sp. p. 329; Dr. pp. 71-2; Gaz. vol. 133; p. 58.
- Gaff, T. T. (See Gent, J. F., assignor.)
- Gafney, J. A., Brooklyn, N. Y. Bottle. No. 899,214; Sept. 22; Sp. p. 3899; Dr. p. 832; Gaz. vol. 136; p. 729.
- Gage, E. C., assignor of one-half to E. F. Clovis, Shenandoah, Iowa. Reticulated currycomb. No. 883,873; Apr. 7; Sp. p. 412; Dr. p. 81; Gaz. vol. 133; p. 1257.
- Gage, E. E., New York, N. Y. Alarm-clock. No. 878,371; Feb. 4; Sp. p. 963; Dr. pp. 193-4; Gaz. vol. 132; p. 1005.
- Gage, E. L., Toledo, Ohio. Truck-scale. No. 898,457; Sept. 15; Sp. p. 2461; Dr. p. 526; Gaz. vol. 136; p. 456.
- Gage, E. L., Toledo, Ohio. Collapsible drum for veneer-package machines. No. 905,305; Dec. 1; Sp. p. 338; Gaz. vol. 137; p. 1043.

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- Gage, G. W., Sr., Epping, N. H. Mail-bag catcher. No. 890,353; June 9; Sp. p. 2350; Dr. pp. 518-19; Gaz. vol. 134; p. 1461.
- Gage, J. J., Mansfield, Ohio. Locomotive-boiler. No. 884,013; Apr. 7; Sp. p. 198; Dr. p. 141; Gaz. vol. 133; p. 1304.
- Gage, W. M. (See Gee, W. L., assignor.)
- Gager, E. B., Columbus, Ohio., assignor to Kinnear and Gager Manufacturing Company. Metallic covering for doors. No. 877,922; Feb. 4; Sp. p. 57; Dr. p. 11; Gaz. vol. 132; p. 858.
- Gagey, P., Paris, France. Table for facilitating gymnastic exercises. No. 905,169; Dec. 1; Sp. p. 90; Gaz. vol. 137; p. 997.
- Gaghagen, L. L., Newton, Iowa. Governor. No. 890,133; June 9; Sp. p. 1876; Dr. p. 415; Gaz. vol. 134; p. 1389.
- Gagner, A., *et al.* (See Champagne, J. N., assignor.)
- Gagnon, A. E. (See Merceen and Gagnon.)
- Gagnon, N. E., Woodland, Wash. Car-stake. No. 899,394; Sept. 22; Sp. p. 4237; Dr. p. 908; Gaz. vol. 136; p. 786.
- Gahler, W. A., Janesville, Minn. Shears for cutting iron. No. 877,764; Jan. 28; Sp. p. 4237; Dr. p. 920; Gaz. vol. 132; p. 778.
- Gahn, F., Streator, Ill. Wagon dump and elevator. No. 905,170; Dec. 1; Sp. p. 91; Gaz. vol. 137; p. 998.
- Gaiffe, G. E., Paris, France. Transformer employed in high-frequency-current circuits. No. 877,319; Jan. 21; Sp. p. 3372; Dr. p. 730; Gaz. vol. 132; p. 614.
- Gailey, A., Williamsburg, Pa. Ink-well. No. 878,372; Feb. 4; Sp. p. 966; Dr. p. 194; Gaz. vol. 132; p. 1006.
- Gailey, J. M., McKeesport, Pa. Injector. No. 880,984; Mar. 3; Sp. p. 998; Dr. pp. 213-14; Gaz. vol. 133; p. 169.
- Gaillac, E. G., Jonesport, Me. Portable fire-escape. No. 890,898; June 16; Sp. p. 3457; Dr. p. 757; Gaz. vol. 134; p. 1671.
- Gaillard, V. S., Torrington, Conn. Alarm-clock. No. 890,134; June 9; Sp. p. 1878; Dr. p. 416; Gaz. vol. 134; p. 1390.
- Gaiman, O. (See Baker and Gaiman.)
- Gaines, A. M., Columbus, Ohio. Fastening-clip for railway-rails. No. 903,702; Nov. 10; Sp. p. 2338; Gaz. vol. 137; p. 411.
- Gaines, F. L., Grand Rapids, Mich. Land-roller. No. 894,430; July 28; Sp. p. 4306; Dr. p. 888; Gaz. vol. 135; p. 754.
- Gaines, G. W., Omaha, Nebr. Soap-anchor. No. 886,791; May 5; Sp. p. 946; Dr. p. 197; Gaz. vol. 134; p. 154.
- Gaines, R. H., New York, N. Y. Waterproof Portland-cement mortar and making the same. No. 883,683; Mar. 31; Sp. p. 6392; Gaz. vol. 133; p. 1166.
- Gairing, A. J., Cleveland, Ohio. Device operated by controller reverse-lever for automatically operating safety appliances. No. 889,219; June 2; Sp. p. 64; Dr. p. 14; Gaz. vol. 134; p. 1067.
- Gaitzsch, J., assignor to K. Schiege, Paunsdorf, near Leipzig, Germany. Self-sharpening calk for horseshoes. No. 908,087; Dec. 29; Sp. p. 5891; Gaz. vol. 137; p. 2071.
- Galarneau, P. D., and W. S. Newton, East St. Louis, Ill. Door opener and closer. No. 898,865; Sept. 15; Sp. p. 3233; Dr. p. 693; Gaz. vol. 136; p. 588.
- Galatian, H. G., Flushing, and E. T. Allen, Jamaica, N. Y. Cigar-holder. No. 906,791; Dec. 15; Sp. p. 3235; Gaz. vol. 137; p. 1580.
- Galbraith, H. E., Mangum, Okla. Peanut-harvester. No. 892,587; July 7; Sp. p. 371; Dr. p. 81; Gaz. vol. 135; p. 69.
- Galbraith, J. F., Shelbyville, Tenn. Sheet-metal roofing. No. 877,639; Jan. 28; Sp. p. 4008; Dr. p. 866; Gaz. vol. 132; p. 740.
- Galbreath, J. W., Auxvasse, Mo. Baling-press. No. 899,663; Sept. 29; Sp. p. 4786; Dr. pp. 1024-6; Gaz. vol. 136; p. 910.
- Gale, E. L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Escalator-landing. No. 896,098; Aug. 18; Sp. p. 2631; Dr. pp. 569-70; Gaz. vol. 135; p. 1374.
- Gale, F. A. (See Hawley, C. G., assignor.)
- Gale, H. B. (See Ayer and Gale.)
- Gale, W. I., and F. Davis, Moulton, Iowa. Price-marker and lid-holder for cigar-boxes. No. 886,692; May 5; Sp. p. 717; Dr. p. 147; Gaz. vol. 134; p. 121.
- Galentine, C. C., Redondo, Cal. Miter-box. No. 876,795; Jan. 14; Sp. p. 2245; Dr. pp. 493-4; Gaz. vol. 132; p. 398.
- Gallagher, B. (See Dotts, Gallagher, and Rummel.)
- Gallagher, F. S., assignor to Forsyth Brothers Company, Chicago, Ill. Draw-bar-centering device. No. 900,996; Oct. 13; Sp. p. 1967; Dr. p. 400; Gaz. vol. 136; p. 1404.
- Gallagher, I., Rio, Wis. Mower. No. 891,684; June 23; Sp. p. 5095; Dr. p. 1100; Gaz. vol. 134; p. 1962.
- Gallagher, J. (See McGee and Gallagher.)
- Gallagher, J. C. (See Murdock and Gallagher.)
- Gallagher, J. D., Glenridge, N. J., assignor to E. H. Fallows, trustee, New York, N. Y. Brake-shoe. No. 887,243; May 12; Sp. p. 1800; Dr. pp. 379-80; Gaz. vol. 134; p. 324.
- Gallagher, J. D., Glenridge, N. J., assignor to E. H. Fallows, trustee, New York, N. Y. Brake-shoe. No. 887,244; May 12; Sp. p. 1802; Dr. p. 380; Gaz. vol. 134; p. 324.
- Gallagher, J. D., Glen Ridge, assignor to American Brake Shoe & Foundry Company, Jersey City, N. J. Brake-shoe. No. 907,773; Dec. 29; Sp. p. 5251; Gaz. vol. 137; p. 1969.
- Gallagher, J. R., Buena Vista, N. J. Renewing process for printing-ribbons. No. 895,248; Aug. 4; Sp. p. 961; Gaz. vol. 135; p. 1053.
- Gallagher, M. J., New Park, England. Alarm-clock. No. 892,245; June 30; Sp. p. 6198; Dr. p. 1336; Gaz. vol. 134; p. 2178.
- Gallagher, R. D., Jr., New York, N. Y. Subframe for railway-cars. No. 879,536; Feb. 18; Sp. p. 3370; Dr. pp. 704-5; Gaz. vol. 132; p. 1459.
- Gallagher, R. D., Jr., New York, N. Y. Draft and buffing rigging for railway-cars. No. 880,516; Mar. 3; Sp. p. 45; Dr. pp. 11-12; Gaz. vol. 133; p. 11.
- Gallagher, R. D., Jr., New York, N. Y. Frame for railway-cars. No. 883,187; Mar. 31; Sp. p. 5365; Dr. p. 1142; Gaz. vol. 133; p. 1007.
- Gallagher, R. D., Jr., assignor to Standard Coupler Company, New York, N. Y. Draft and buffing rigging for railway-cars. No. 888,008; May 19; Sp. p. 3394; Dr. pp. 713-14; Gaz. vol. 134; p. 609.
- Gallagher, R. D., Jr., assignor to Standard Coupler Company, New York, N. Y. Draft and buffing rigging. No. 888,436; May 19; Sp. p. 4221; Dr. p. 895; Gaz. vol. 134; p. 748.
- Gallagher, R. W., Los Angeles, Cal. Statement-delivery mechanism for meters. (Reissue.) No. 12,892; Dec. 8; Sp. p. 2684; Gaz. vol. 137; p. 1463.
- Gallagher, T. F., Boston, Mass. Car-fender. No. 904,124; Nov. 17; Sp. p. 3224; Gaz. vol. 137; p. 585.
- Gallagher, T. H., Ingram, Pa. Gas-stove. No. 879,762; Feb. 18; Sp. p. 3843; Dr. p. 805; Gaz. vol. 132; p. 1532.
- Gallagher, W. J. (See Witham, G. S., Jr.)
- Gallaber, E. B., assignor to Clover Manufacturing Company, New York, N. Y. Means for delivering change. No. 904,475; Nov. 17; Sp. p. 3971; Gaz. vol. 137; p. 704.
- Galland, B., New York, N. Y. Garment. No. 884,479; Apr. 14; Sp. p. 1642; Dr. p. 352; Gaz. vol. 133; p. 1484.
- Galland, M., Wilkes-Barre, Pa. Drawers. No. 888,232; May 19; Sp. p. 3805; Dr. p. 799; Gaz. vol. 134; p. 681.
- Gallatin, D. S., Dalton, Ohio. Bridle-bit. No. 898,637; Sept. 15; Sp. p. 2827; Dr. p. 603; Gaz. vol. 136; p. 515.
- Gallimore, J. G., Washington, Mo. Type-case. No. 885,599; Apr. 21; Sp. p. 3957; Dr. p. 826; Gaz. vol. 133; p. 1877.
- Gallineck, B., New York, N. Y. Safety-razor frame. No. 904,861; Nov. 24; Sp. p. 4814; Gaz. vol. 137; p. 861.
- Gallivan, T. J. (See Herbin, F. L., assignor.)
- Galloway, A., and E. B. Sweet, Milwaukee, Wis. Fabric-holder. No. 887,386; May 12; Sp. p. 2164; Dr. p. 453; Gaz. vol. 134; p. 374.
- Galloway, C. C., Washington, D. C. Dental appliance. No. 883,106; Mar. 24; Sp. p. 5182; Dr. p. 1106; Gaz. vol. 133; p. 950.
- Galloway, L. W. (See Nelson and Galloway.)
- Galloway, N., Vernal, Utah. Animal-trap. No. 885,600; Apr. 21; Sp. p. 3957; Dr. p. 826; Gaz. vol. 133; p. 1877.
- Galozzi, E., New York, N. Y. Printing or stamping attachment for paper-holding stands. No. 890,637; June 16; Sp. p. 2933; Dr. p. 642; Gaz. vol. 134; p. 1586.
- Gallup, J. A., Voluntown, Conn. Milking device. No. 901,335; Oct. 20; Sp. p. 2618; Dr. p. 538; Gaz. vol. 136; p. 1546.
- Gally, R. A., Brooklyn, N. Y. Musical-device wind-inducing apparatus. No. 891,685; June 23; Sp. p. 5096; Dr. p. 1100; Gaz. vol. 134; p. 1962.
- Gally, R. A., Brooklyn, N. Y. Musical-device pneumatic apparatus. No. 891,801; June 23; Sp. p. 5320; Dr. p. 1151; Gaz. vol. 134; p. 2002.
- Gally, R. A., New York, N. Y. Musical-device pneumatic apparatus. No. 893,579; July 14; Sp. p. 2440; Dr. p. 508; Gaz. vol. 135; p. 422.
- Galt, G. M., Malden, Mass. Pulp or paper machine. No. 891,985; June 30; Sp. p. 5715; Dr. p. 1229; Gaz. vol. 134; p. 2094.
- Galusha, A. L., Dorchester, Mass. Appliance used in combination with gas-generating plants. No. 897,362; Sept. 1; Sp. p. 247; Dr. p. 51; Gaz. vol. 136; p. 37.
- Galusha, A. L., Dorchester, Mass. Gas-scrubber. No. 902,958; Nov. 3; Sp. p. 854; Gaz. vol. 137; p. 142.
- Galvin, A. J., Cleveland, Ohio. Sewer construction. No. 882,940; Mar. 24; Sp. p. 4883; Dr. p. 1036; Gaz. vol. 133; p. 898.
- Galvin, A. J., Cleveland, Ohio. Sewer construction. No. 882,941; Mar. 24; Sp. p. 4885; Dr. p. 1037; Gaz. vol. 133; p. 898.
- Galvin, J., Brattleboro, Vt. Ash-collecting box attachment for furnaces, &c. No. 879,622; Feb. 18; Sp. p. 3573; Dr. p. 748; Gaz. vol. 132; p. 1487.
- Galvin, W. J. (See Healy and Galvin.)
- Galway, G. W. (See Waldie and Galway.)
- Garage, H. C., Lynn, Mass., assignor, by mesne assignments, to Gamo Company, Jersey City, N. J. Apparatus for manufacturing steel or other metal wool. No. 881,852; Mar. 10; Sp. p. 2695; Dr. pp. 576-8; Gaz. vol. 133; p. 479.
- Garage, H. C., New York, N. Y. Lubricating device for shafts, &c. No. 900,922; Oct. 13; Sp. p. 1817; Dr. pp. 368-9; Gaz. vol. 136; p. 1379.

Alphabetical list of patentees—Continued.

- Gambee, C., Rochester, N. Y. Fluid-mixer. No. 883,874; Apr. 7; Sp. p. 413; Dr. p. 81; Gaz. vol. 133; p. 1257.
- Gamber, J. B., assignor to Keystone Developing Company, Washington, Pa. Pocket toilet-case. No. 892,246; June 30; Sp. p. 6200; Dr. p. 1336; Gaz. vol. 134; p. 2178.
- Gambier, E. V. (See Terrell, E., assignor.)
- Gamble, A. A., *et al.* (See Strain, R., assignor.)
- Gamble, A. A., *et al.* (See Urquhart, J. H., assignor.)
- Gamble, H. A., assignor of one-half to E. Wiet, San Francisco, Cal. Pipe. No. 908,237; Dec. 29; Sp. p. 6237; Gaz. vol. 137; p. 2123.
- Gamble, J., assignor to G. A. Reach, Philadelphia, Pa. Base-ball glove. No. 881,315; Mar. 10; Sp. p. 1647; Dr. p. 353; Gaz. vol. 133; p. 307.
- Gamble, J., assignor to G. A. Reach, Philadelphia, Pa. Base-ball mitt. No. 899,522; Sept. 29; Sp. p. 4493; Dr. p. 965; Gaz. vol. 136; p. 864.
- Gamble, J. W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Apparatus for feeding, purifying, and regulating feed-water. No. 877,497; Jan. 28; Sp. p. 3717; Dr. p. 804; Gaz. vol. 132; p. 693.
- Gamble, J. W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Feed-water heating and purifying system. No. 883,948; Apr. 7; Sp. p. 500; Dr. p. 112; Gaz. vol. 133; p. 1282.
- Gamer, C., Fort Worth, Tex. Gas-producing furnace. No. 876,903; Jan. 14; Sp. p. 2468; Dr. p. 539; Gaz. vol. 132; p. 435.
- Gamevell Fire-Alarm Telegraph Company. (See Cole, F. W., assignor.)
- Gamevell Fire-Alarm Telegraph Company. (See Milliken and Cole, assignors.)
- Gamevell Fire-Alarm Telegraph Company. (See Suren, N. H., assignor.)
- Gammelgaard, O. L., assignor to J. M. Fisher and Company, Attleboro, Mass. Clasp. No. 890,041; June 9; Sp. p. 1707; Dr. p. 378; Gaz. vol. 134; p. 1358.
- Gammeter, H. C., Collinwood, assignor to American Multigraph Company, Cleveland, Ohio. Ribbon attachment. No. 887,472; May 12; Sp. p. 2334; Dr. p. 488; Gaz. vol. 134; p. 402.
- Gammeter, J. R., assignor to B. F. Goodrich Company, Akron, Ohio. Vehicle-wheel rim. No. 895,360; Aug. 4; Sp. p. 1167; Dr. p. 245; Gaz. vol. 135; p. 1089.
- Gammeter, J. R., assignor to B. F. Goodrich Company, Akron, Ohio. Apparatus for vulcanizing rubber. No. 906,215; Dec. 8; Sp. p. 2161; Gaz. vol. 137; p. 1370.
- Gammeter, J. R., assignor to B. F. Goodrich Company, Akron, Ohio. Vulcanizing rubber. No. 906,489; Dec. 8; Sp. p. 2663; Gaz. vol. 137; p. 1460.
- Gannon, C. O., Buffalo, Mo. Computing yard-measure. No. 888,233; May 19; Sp. p. 3806; Dr. p. 799; Gaz. vol. 134; p. 681.
- Gammons, F. C., Bridgewater, Mass., assignor to Continental Gin Company, Birmingham, Ala. Cleaning and separating kapok fiber from its seed and impurities. No. 907,330; Dec. 22; Sp. p. 4303; Gaz. vol. 137; p. 1792.
- Gamo Company. (See Gamage, H. C., assignor.)
- Gandil, E. V., Copenhagen, Denmark. Milking-machine. No. 896,818; Aug. 25; Sp. p. 4077; Dr. p. 877; Gaz. vol. 135; p. 1629.
- Gangewere, R. C., South Bethlehem, Pa. Preparing paving or building blocks. No. 897,080; Aug. 25; Sp. p. 4655; Gaz. vol. 135; p. 1717.
- Gannon, J. P., San Francisco, Cal. Harp. No. 893,619; July 21; Sp. p. 2525; Dr. p. 526; Gaz. vol. 135; p. 465.
- Gannon, J. T., Denver, Colo. Flexible policeman's club. No. 897,201; Aug. 25; Sp. p. 4873; Dr. p. 1037; Gaz. vol. 135; p. 1755.
- Gannon, T. J., Shawnee, Okla. Emergency-bolt for draft-timbers of railway freight-cars. No. 889,597; June 2; Sp. p. 805; Dr. p. 184; Gaz. vol. 134; p. 1187.
- Gannon, W. E., McDavid, Fla., assignor of two-thirds to B. F. Jernigan, Pollard, Ala., and J. Bonifay, McDavid, Fla. Governor mechanism for engines. No. 881,917; Mar. 17; Sp. p. 2866; Dr. p. 611; Gaz. vol. 133; p. 530.
- Gano, S. L. (See Alexander and Gano.)
- Gano, E., Sloan, Iowa. Buggy-top attachment. No. 899,789; Sept. 29; Sp. p. 5073; Dr. p. 1085; Gaz. vol. 136; p. 953.
- Gans, E. W., and J. C. Ackerman, assignors to Aultman & Taylor Machinery Company, Mansfield, Ohio. Belt-guide. No. 895,447; Aug. 11; Sp. p. 1344; Dr. p. 283; Gaz. vol. 135; p. 1140.
- Gans, H., *et al.* (See Ecker, M., assignor.)
- Ganser, M. L., Norristown, Pa. Automatic electric gas-range lighter. No. 908,238; Dec. 29; Sp. p. 6238; Gaz. vol. 137; p. 2123.
- Ganucci-Cancellieri, L., and A. Cappelletti, Florence, Italy. Stopper for bottles and other receptacles. No. 885,743; Apr. 28; Sp. p. 4272; Dr. p. 894; Gaz. vol. 133; p. 1954.
- Garaghty, C. F. (See Philipp, J. H., assignor.)
- Garanger, M., New York, N. Y. Loop-the-gap apparatus. No. 896,906; Aug. 25; Sp. p. 4264; Dr. pp. 911-12; Gaz. vol. 135; p. 1659.
- Garant, H., assignor of one-half to W. B. Davis, Chattanooga, Tenn. Dial knitting-machine. No. 878,792; Feb. 11; Sp. p. 1908; Dr. p. 392; Gaz. vol. 132; p. 1179.
- Garchey, L. (See Le Duc and Garchey.)
- Garchey, L. A., Paris, France. Elastic wheel. No. 876,537; Jan. 14; Sp. p. 1731; Dr. pp. 376-7; Gaz. vol. 132; p. 314.
- Garchey, L. A., Paris, France. Elastic means. No. 890,899; June 16; Sp. p. 3458; Dr. p. 758; Gaz. vol. 134; p. 1671.
- Garcia, J. de G., Barcelona, Spain. Means for electrical transmission of designs, figures, and photographs. No. 906,405; Dec. 8; Sp. p. 2504; Gaz. vol. 137; p. 1431.
- Gard, J. J., Harvey, assignor to Buda Foundry & Manufacturing Company, Chicago, Ill. Crossing-gate. No. 876,166; Jan. 7; Sp. p. 936; Dr. p. 201; Gaz. vol. 132; p. 159.
- Gardeen, C. J., Columbus township, Anoka county, Minn. Automatic electric-lighting system. No. 901,336; Oct. 20; Sp. p. 2619; Dr. p. 538; Gaz. vol. 136; p. 1546.
- Garden City Fan Company. (See Green, W. W., assignor.)
- Gardenhire, J. A., assignor of one-half to G. F. Carter, Nashville, Tenn. Copy-holder. No. 881,786; Mar. 10; Sp. p. 2561; Dr. p. 550; Gaz. vol. 133; p. 457.
- Gardiner, C. A., U. S. Navy. Dress-fastener. No. 901,164; Oct. 13; Sp. p. 2272; Dr. p. 463; Gaz. vol. 136; p. 1456.
- Gardiner, D. R., assignor to Neepawa Manufacturing Company, Neepawa, Manitoba, Canada. Chaff-blower. No. 877,320; Jan. 21; Sp. p. 3374; Dr. pp. 730-1; Gaz. vol. 132; p. 614.
- Gardiner, J., Portland, Ore. Reversing-valve for steam-engines. No. 887,245; May 12; Sp. p. 1803; Dr. p. 380; Gaz. vol. 134; p. 324.
- Gardiner, J. H. A., Chicago, Ill. Oil-filter. No. 895,083; Aug. 4; Sp. p. 610; Dr. p. 127; Gaz. vol. 135; p. 995.
- Gardiner, W., assignor, by mesne assignments, to Commercial Storage Battery Company, Chicago, Ill. Storage battery. No. 877,889; Jan. 28; Sp. p. 4464; Dr. pp. 973-4; Gaz. vol. 132; p. 818.
- Gardiner, W. J., East Toronto, Ontario, Canada. Watchcase. No. 889,364; June 2; Sp. p. 338; Dr. p. 79; Gaz. vol. 134; p. 1112.
- Gardner, A. E., Canaan, N. H. Apparatus for storing power. No. 903,372; Nov. 10; Sp. p. 1665; Gaz. vol. 137; p. 305.
- Gardner, C. L. (See Steele and Gardner.)
- Gardner, C. L., Peoria, Ill. Telescoping device. No. 893,620; July 21; Sp. p. 2526; Dr. p. 526; Gaz. vol. 135; p. 465.
- Gardner, D. B., Chicago, Ill. Starter for explosion-engines in self-propelled vehicles. No. 896,375; Aug. 18; Sp. p. 3179; Dr. p. 682; Gaz. vol. 135; p. 1462.
- Gardner, E. F., and A. J. Schmidt, Scranton, Pa. Pleasure-railway. No. 881,788; Mar. 10; Sp. p. 2565; Dr. p. 551; Gaz. vol. 133; p. 458.
- Gardner, F. B., Lima, Ohio. Horseshoe-calk. No. 887,246; May 12; Sp. p. 1804; Dr. p. 380; Gaz. vol. 134; p. 325.
- Gardner, F. B., assignor of one-half to D. H. Etling, Lima, Ohio. Horse rasp or foot leveler. No. 901,290; Oct. 13; Sp. p. 2524; Dr. p. 518; Gaz. vol. 136; p. 1496.
- Gardner, F. B., and J. E. Grosjean, assignors to Humane Horseshoe Co., Lima, Ohio. Horseshoe. No. 876,629; Jan. 14; Sp. p. 1951; Dr. p. 425; Gaz. vol. 132; p. 347.
- Gardner, G. B., and A. H. Higgins, Haverhill, Mass. Shoe-rack. No. 899,249; Sept. 22; Sp. p. 3996; Dr. pp. 851-2; Gaz. vol. 136; p. 741.
- Gardner, G. C., Jr. (See Maxfield and Gardner.)
- Gardner, G. W., San Francisco, Cal. Furnace fuel-feeder. No. 887,085; May 12; Sp. p. 1492; Dr. pp. 316-17; Gaz. vol. 134; p. 274.
- Gardner, G. W., San Francisco, Cal. Regulator for boiler-feeders. No. 887,086; May 12; Sp. p. 1495; Dr. pp. 317-18; Gaz. vol. 134; p. 275.
- Gardner, H. T. (See Wray, Gardner, and Kinton.)
- Gardner & Hight Company. (See Gardner, P., assignor.)
- Gardner, I. and I. N., Wapella, Ill. Feed-cutter. No. 902,068; Oct. 27; Sp. p. 4186; Dr. p. 848; Gaz. vol. 136; p. 1818.
- Gardner, I. N. (See Gardner, I. and I. N.)
- Gardner, J. G., assignor to Pure White Turpentine Company, Jacksonville, Fla. Extracting turpentine from wood. No. 881,787; Mar. 10; Sp. p. 2563; Dr. p. 550; Gaz. vol. 133; p. 457.
- Gardner, J. H., Dalton, Ga. Seed-planter. No. 876,538; Jan. 14; Sp. p. 1733; Dr. p. 377; Gaz. vol. 132; p. 315.
- Gardner, J. M., New London, Conn. Cotton-cleaning machine. No. 888,396; May 19; Sp. p. 4116; Dr. p. 868; Gaz. vol. 134; p. 733.
- Gardner, J. R. (See Fleming, J. M., assignor.)
- Gardner, J. T., assignor to L. Engle, Buffalo, Mo. Wire-grip. No. 881,853; Mar. 10; Sp. p. 2698; Dr. p. 578; Gaz. vol. 133; p. 480.
- Gardner, J. T., assignor to L. Engle, Buffalo, Mo. Wire-stretcher. No. 885,693; Apr. 21; Sp. p. 4153; Dr. p. 869; Gaz. vol. 133; p. 1908.

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- Gardner, J. W. (See Rogers and Gardner.)
 Gardner, J. W., Quincy, Ill. Governor for steam-engines. No. 896,376; Aug. 18; Sp. p. 3182; Dr. pp. 682-3; Gaz. vol. 135; p. 1462.
 Gardner, K. C., assignor of one-half to United Engineering & Foundry Company, Pittsburg, Pa. Transfer system. No. 879,131; Feb. 11; Sp. p. 2551; Dr. pp. 530-1; Gaz. vol. 132; p. 1284.
 Gardner, M. B., Aurora, assignor to S. Florsheim & Son, Chicago, Ill. Garment-clasp. No. 875,797; Jan. 7; Sp. p. 231; Dr. p. 50; Gaz. vol. 132; p. 42.
 Gardner, M. B., Aurora, assignor to S. Florsheim & Son, Chicago, Ill. Garment-clasp. No. 875,798; Jan. 7; Sp. p. 232; Dr. p. 50; Gaz. vol. 132; p. 43.
 Gardner, M. H., Brewster, N. Y. Gun-pointing attachment. No. 896,099; Aug. 18; Sp. p. 2635; Dr. p. 570; Gaz. vol. 135; p. 1374.
 Gardner, P., assignor to Gardner & Hight Company, New York, N. Y. Packet for braids, laces, and other narrow fabrics. No. 881,789; Mar. 10; Sp. p. 2569; Dr. p. 551; Gaz. vol. 133; p. 458.
 Gardner, R. J. (See Fownes and Gardner.)
 Gardner, R. J., assignor to S. Jarvis Adams Company, Pittsburg, Pa. Piercing-mandrel. No. 880,517; Mar. 3; Sp. p. 48; Dr. p. 12; Gaz. vol. 133; p. 12.
 Gardner, T. W., Nashville, Tenn. Signaling device for telephone-exchanges. No. 897,731; Sept. 1; Sp. p. 991; Dr. p. 211; Gaz. vol. 136; p. 159.
 Gardner, W. A. (See Packard, H. F., assignor.)
 Gardner, W. J. (See Kane, M. M., assignor.)
 Gardy, H. D., Philadelphia, Pa. Puzzle. No. 896,819; Aug. 25; Sp. p. 4078; Dr. p. 878; Gaz. vol. 135; p. 1630.
 Gardyne, A. H., Barton Landing, Vt. Ribbon-fastener. No. 878,719; Feb. 11; Sp. p. 1760; Dr. p. 364; Gaz. vol. 132; p. 1155.
 Garey, G. G. (See Garey, J. A., assignor.)
 Garey, J. A., Mound City, Mo. Conduit. No. 902,285; Oct. 27; Sp. p. 4626; Dr. p. 940; Gaz. vol. 136; p. 1888.
 Garey, J. A., Mound City, Mo., assignor of one-half to G. G. Garey, Indianapolis, Ind. Electric railway. No. 896,071; Aug. 11; Sp. p. 2583; Dr. p. 559; Gaz. vol. 135; p. 1343.
 Garfield, J. D., Springfield, Mass. Lens-shutter reflecting-camera. No. 882,307; Mar. 17; Sp. p. 3639; Dr. pp. 772-3; Gaz. vol. 133; p. 656.
 Garfield, J. D., Springfield, Mass. Focal-plane shutter. No. 891,770; June 23; Sp. p. 5248; Dr. pp. 1137-8; Gaz. vol. 134; p. 1991.
 Garfield, L. F. (See Burrows, J. H., assignor.)
 Gardiord Company. (See Heaslet, J. G., assignor.)
 Garforth, W. E., Normanton, England. Respiratory apparatus for use in coal-mines and like places. No. 908,239; Dec. 29; Sp. p. 6240; Gaz. vol. 137; p. 223.
 Garin, V. J., Annemasse, and F. David, Certe, assignors to Compagnie Française des Produits Tartriques, Beziers, France. Treating substances containing crude tartar. No. 898,866; Sept. 15; Sp. p. 3234; Gaz. vol. 136; p. 588.
 Garland, H. W. (See Garland, M. and H. W.)
 Garland, M., assignor to M. Garland Company, Bay City, Mich. Friction-clutch. No. 895,624; Aug. 11; Sp. p. 1697; Dr. p. 360; Gaz. vol. 135; p. 1198.
 Garland, M. and H. W., assignors to M. Garland Co., Bay City, Mich. Distributer and conveyer. No. 906,216; Dec. 8; Sp. p. 2167; Gaz. vol. 137; p. 1371.
 Garland, O. A., Hot Springs, Ark. Watch-box. No. 904,691; Nov. 24; Sp. p. 4435; Gaz. vol. 137; p. 803.
 Garland, T. H., Chicago, Ill. Window-ventilator. No. 904,125; Nov. 17; Sp. p. 3226; Gaz. vol. 137; p. 585.
 Garland, W. H. (See Havens, R. M., assignor.)
 Garland, W. H., assignor of one-half to R. M. Havens, Kansas City, Mo. Loose-leaf-book device. No. 877,187; Jan. 21; Sp. p. 3104; Dr. p. 672; Gaz. vol. 132; p. 571.
 Garland, W. H., assignor of one-half to R. M. Havens, Kansas City, Mo. Loose-leaf post binder. No. 882,059; Mar. 17; Sp. p. 3168; Dr. p. 673; Gaz. vol. 133; p. 576.
 Garlinghouse, B. A. (See Pringle, R. A., assignor.)
 Garlock, H. E., Stockton, Iowa. Hog-hanger. No. 895,249; Aug. 4; Sp. p. 962; Dr. p. 201; Gaz. vol. 135; p. 1053.
 Garlock, O. J. (See Whiting, H. E., assignor.)
 Garlock, O. J., assignor to Garlock Packing Company, Palmyra, N. Y. Rod-packing. No. 883,534; Mar. 31; Sp. p. 6099; Dr. p. 1297; Gaz. vol. 133; p. 1120.
 Garlock, O. J., assignor to Garlock Packing Company, Palmyra, N. Y. Rod-packing. No. 894,880; Aug. 4; Sp. p. 170; Dr. pp. 36-7; Gaz. vol. 135; p. 927.
 Garlock Packing Company. (See Garlock, O. J., assignor.)
 Garlock, T. V., Custer, S. D. Table for cheese-cutters. No. 884,810; Apr. 14; Sp. p. 2350; Dr. p. 494; Gaz. vol. 133; p. 1594.
 Garman, A. S. (See Werner, E., assignor.)
 Garman, G. W. (See Graeber, Entrikin, and Garman.)
 Garman, J. S., Alliance, Ohio. Show-case. No. 905,809; Dec. 1; Sp. p. 1373; Gaz. vol. 137; p. 1209.
 Garms, J. A., Varel-Hafen, Germany. Trawling-net for use in herring or other fishing. No. 880,069; Feb. 25; Sp. p. 4509; Dr. p. 948; Gaz. vol. 132; p. 1666.
 Garner, K. D., West Alexandria, Ohio. Trolley-pole attachment. No. 893,067; July 14; Sp. p. 1382; Dr. p. 292; Gaz. vol. 135; p. 256.
 Garner, S., Covington, Va., assignor to Covington Machine Company. Coke-extracting machine. No. 875,989; Jan. 7; Sp. p. 592; Dr. p. 127; Gaz. vol. 132; p. 103.
 Garnet, L. J., Lansdale, Pa. Mold. No. 902,722; Nov. 3; Sp. p. 381; Gaz. vol. 137; p. 65.
 Garnett, J. et al. (See Eubank, S. F., assignor.)
 Garpheide, J., Solingen, and W. Westerheide, Rath, near Dusseldorf, Germany. Burial apparatus. No. 886,593; May 5; Sp. p. 499; Dr. p. 107; Gaz. vol. 134; p. 89.
 Garratt, H. M., Elmhurst, N. Y. Lady's hat-holder. No. 888,880; May 26; Sp. p. 5173; Dr. p. 1098; Gaz. vol. 134; p. 926.
 Garretson, T. B., Oskaloosa, Iowa. Adjustable stilt. No. 891,923; June 30; Sp. p. 5578; Dr. p. 1202; Gaz. vol. 134; p. 2073.
 Garrett, C. B., assignor to Globe Automatic Sprinkler Company, Minneapolis, Minn. Wet-pipe alarm-valve. No. 876,869; Jan. 14; Sp. p. 2393; Dr. p. 521; Gaz. vol. 132; p. 423.
 Garrett, J. A., Auburn, N. Y. Steering device for power-boats. No. 882,821; Mar. 24; Sp. p. 4627; Dr. p. 987; Gaz. vol. 133; p. 857.
 Garrett, J. E., New Glasgow, Nova Scotia, Canada. Machine for making rugs. No. 889,922; June 9; Sp. p. 1444; Dr. p. 326; Gaz. vol. 134; p. 1318.
 Garrett, W. R., and J. H. Walker, Central City, Ky. Apparatus for screening and grading coal. No. 879,625; Feb. 18; Sp. p. 3578; Dr. p. 749; Gaz. vol. 132; p. 1488.
 Garrettsen, F. W., and T. Lydon, Baltimore, Md. Tile. No. 896,634; Aug. 18; Sp. p. 3677; Dr. p. 789; Gaz. vol. 135; p. 1545.
 Garrigus, C. G., and H. W. Spellman, assignors to Landers, Frary and Clark, New Britain, Conn. Grinding-machine. No. 893,158; July 14; Sp. p. 1569; Dr. p. 332; Gaz. vol. 135; p. 286.
 Garrison, F. L. (See Harris, F., assignor.)
 Garson, I. H., New York, N. Y. Vending-machine. No. 892,247; June 30; Sp. p. 6201; Dr. pp. 1336-7; Gaz. vol. 134; p. 2178.
 Garst, D. (See Litchfield and Garst.)
 Garst, J., Worcester, Mass. Loom for weaving short-wett fabrics. No. 902,286; Oct. 27; Sp. p. 4627; Dr. p. 940; Gaz. vol. 136; p. 1888.
 Garst, N., Wichita, Kans. Ironing-machine for laundry-work. No. 884,811; Apr. 14; Sp. p. 2352; Dr. p. 495; Gaz. vol. 133; p. 1595.
 Garst, S. H., Detroit, Mich. Manure-spreader. No. 903,703; Nov. 10; Sp. p. 2340; Gaz. vol. 137; p. 411.
 Garst, S. H., assignor to American Harrow Company, Detroit, Mich. Manure-distributer. No. 893,621; July 21; Sp. p. 2527; Dr. pp. 527-8; Gaz. vol. 135; p. 466.
 Gartenberg, A. (See Ginaca, H. G., assignor.)
 Gartenlaub, M. (See Keogh, T. B., assignor.)
 Gartenmeister, R. (See Wicke and Gartenmeister.)
 Gartling, G. (See Fort, J., assignor.)
 Gärtner, A., Jena, assignor to A. Scherl, Berlin, Germany. Disinfection. No. 903,853; Nov. 17; Sp. p. 2656; Gaz. vol. 137; p. 493.
 Garton-Daniels Company. (See Goddard, W. T., assignor.)
 Garton, J. T., Toronto, Ontario, Canada. Change-making machine. No. 891,243; June 23; Sp. p. 4167; Dr. pp. 912-13; Gaz. vol. 134; p. 1816.
 Garton, W. R., Chicago, Ill. Edge-binding for garments. No. 877,072; Jan. 21; Sp. p. 2854; Dr. p. 616; Gaz. vol. 132; p. 532.
 Gartrell, J. W., Washington, D. C. Dental implement. No. 879,537; Feb. 18; Sp. p. 3373; Dr. p. 705; Gaz. vol. 132; p. 1460.
 Gartside, W. N., Richmond, Ind. Core-forming machine. No. 898,734; Sept. 15; Sp. p. 2998; Dr. pp. 642-3; Gaz. vol. 136; p. 545.
 Gartz, J. A. (See Gartz, W. H., assignor.)
 Gartz, W. H., assignor to J. A. Gartz, Bernardsville, N. J. Self-fanning rocking-chair. No. 905,686; Dec. 7; Sp. p. 1134; Gaz. vol. 137; p. 1167.
 Garvens, W. A., assignor of one-fourth to J. P. McDonough, St. Louis, Mo. Furnace. No. 900,513; Oct. 6; Sp. p. 955; Dr. pp. 193-4; Gaz. vol. 136; p. 1217.
 Garver, A. (See Hare, W. W. and H. H., assignors.)

Alphabetical list of patentees—Continued.

- Garver, A. C., assignor to W. M. Woods, Newton, Iowa. Gage-lifter for corn-planters. No. 890,226; June 9; Sp. p. 2073; Dr. p. 455; Gaz. vol. 134; p. 1420.
- Garver, A. J., assignor to himself and J. McAssey, Clarkston, Wash. Revolving ore-tank. No. 876,539; Jan. 14; Sp. p. 1739; Dr. pp. 377-8; Gaz. vol. 132; p. 315.
- Garver, C., Fort Wayne, Ind. Automatic wagon-brake. No. 889,451; June 2; Sp. p. 519; Dr. p. 122; Gaz. vol. 134; p. 1142.
- Garvey, C. A. (See Garvey, E. A. and C. A.)
- Garvey, E. A. and C. A., St. Louis, Mo. Shock-absorber for vehicles. No. 894,431; July 28; Sp. p. 4308; Dr. p. 888; Gaz. vol. 135; p. 755.
- Garvey, E. A. and C. A., St. Louis, Mo. Pneumatic cushion for vehicles. No. 894,493; July 28; Sp. p. 4425; Dr. pp. 915-16; Gaz. vol. 135; p. 775.
- Garvey, W. E., Cleveland, Ohio. Tire-cushion for vehicles. No. 885,336; Apr. 21; Sp. p. 3441; Dr. p. 718; Gaz. vol. 133; p. 1797.
- Garvin Machine Company. (See McClellan, E. J., assignor.)
- Garvin, S., Custer Mont. Endless water-conveyer. No. 895,250; Aug. 4; Sp. p. 963; Dr. p. 202; Gaz. vol. 135; p. 1053.
- Garvin, W. M., Blackville, S. C. Metallic roofing. No. 892,248; June 30; Sp. p. 6204; Dr. p. 1337; Gaz. vol. 134; p. 2179.
- Gaskill, C. E., Pueblo, Colo. Pistol-holster. No. 896,004; Aug. 11; Sp. p. 2460; Dr. p. 529; Gaz. vol. 135; p. 1321.
- Gaskill, C. H., Jr., Peekskill, N. Y. Necktie. No. 886,119; Apr. 28; Sp. p. 5060; Dr. p. 1062; Gaz. vol. 133; p. 2079.
- Gaskill, E. T., Newbern, N. C. Sash-holder. No. 904,419; Nov. 17; Sp. p. 3853; Gaz. vol. 137; p. 685.
- Gaskill, H. S., Lansing, Mich. Flushing-valve. No. 900,997; Oct. 13; Sp. p. 1969; Dr. p. 401; Gaz. vol. 136; p. 1404.
- Gaskill, W. H., assignor to S. W. Evans, Jr., Philadelphia, Pa. Folding umbrella and cane. No. 905,687; Dec. 1; Sp. p. 1140; Gaz. vol. 137; p. 1168.
- Gaskins, C. H., assignor of one-half to F. G. and D. G. Seiler, Shamokin, Pa. Fishing-reel. No. 901,609; Oct. 20; Sp. p. 3223; Dr. p. 661; Gaz. vol. 136; p. 1638.
- Gass, C. E., *et al.* (See McGowen, W., assignor.)
- Gass, F. M., Philadelphia, Pa. Trolley-wheel. No. 888,993; May 26; Sp. p. 5339; Dr. p. 1144; Gaz. vol. 134; p. 961.
- Gasser, L., Prairie du Sac, Wis. Corn-harvester. No. 906,868; Dec. 15; Sp. p. 3391; Gaz. vol. 137; p. 1604.
- Gassett, J. N., Laurin, Mont. Castrating tool. No. 881,117; Mar. 10; Sp. p. 1244; Dr. p. 267; Gaz. vol. 133; p. 241.
- Gassett, J. N., Laurin, Mont. Clothes-line supporter. No. 893,917; July 21; Sp. p. 3207; Dr. p. 660; Gaz. vol. 135; p. 564.
- Gasspar-Unternehmung nach System Wouwermans Halbmayr & Co. (See Wouwermans, P. von, assignor.)
- Gaston, C. W., Allegheny, Pa. Fountain-pen. No. 879,626; Feb. 18; Sp. p. 3580; Dr. p. 749; Gaz. vol. 132; p. 1483.
- Gaston, M. L., New York, N. Y., and H. E. Moore, Plainfield, N. J. Collar-supporter. No. 895,849; Aug. 11; Sp. p. 2157; Dr. p. 458; Gaz. vol. 135; p. 1272.
- Gaston, R. M., Morgan Park, Ill. System of control for electric motors. No. 894,199; July 28; Sp. p. 3811; Dr. p. 789; Gaz. vol. 135; p. 677.
- Gatchell, C. H., Boston, Mass. Illuminating and igniting attachment for gas-ranges. No. 897,081; Aug. 25; Sp. p. 4655; Dr. p. 992; Gaz. vol. 135; p. 1717.
- Gatchell, G. S., Elizabeth, N. J., assignor to Singer Manufacturing Company. Thread-cutting mechanism for sewing-machines. No. 885,990; Apr. 28; Sp. p. 4796; Dr. p. 1008; Gaz. vol. 133; p. 2037.
- Gatchell, P. E., Buckley, Wash. Buggy-box-seat brace. No. 907,774; Dec. 29; Sp. p. 5252; Gaz. vol. 137; p. 1969.
- Gateau, J. T., Aix-en-Provence, France. Photographic emulsion. No. 905,306; Dec. 1; Sp. p. 340; Gaz. vol. 137; p. 1043.
- Gately, J. H., Bellows Falls, Vt. Stuffing-box. No. 893,793; July 21; Sp. p. 2951; Dr. p. 603; Gaz. vol. 135; p. 523.
- Gatenbee, J. B., *et al.* (See Burdett, P., assignor.)
- Gateman, W., Manitowoc, Wis. Windrowing attachment. No. 891,244; June 23; Sp. p. 4169; Dr. p. 913; Gaz. vol. 134; p. 1816.
- Gates, E. R., (See Dillon, A. S., assignor.)
- Gates, F. P., J. D. Cogswell, and H. L. Grant, Manteo, N. C. Surgical package. No. 907,331; Dec. 22; Sp. p. 4305; Gaz. vol. 137; p. 1792.
- Gates, G., San Jose, Cal. Railway-rail support and fastener. No. 905,688; Dec. 1; Sp. p. 1142; Gaz. vol. 137; p. 1168.
- Gates, J. P., assignor of one-half to J. Glisch, Milwaukee, Wis. Tobacco-moistener. No. 881,790; Mar. 10; Sp. p. 2570; Dr. p. 551; Gaz. vol. 133; p. 458.
- Gates, R. D., Oak Park, Ill. Tobacco-pipe. No. 887,323; May 12; Sp. p. 2023; Dr. p. 423; Gaz. vol. 134; p. 354.
- Gates, S. S. (See Harris, R. W., assignor.)
- Gates Safety Signal Board Attachment Company. (See Van Zandt, L. H., assignor.)
- Gates, W. S. (See Dow and Gates.)
- Gathmann, E. (See Meigs and Gathmann.) (Reissue.)
- Gathmann, E., Bethlehem, Pa. Railway-rail. No. 896,985; Aug. 25; Sp. p. 4463; Dr. p. 954; Gaz. vol. 135; p. 1685.
- Gathmann, E., Bethlehem, Pa. Projectile. No. 904,255; Nov. 17; Sp. p. 3524; Gaz. vol. 137; p. 630.
- Gathmann, E. A. (See Chamberlin, C. E., assignor.)
- Gathmann, E. A. (See Meigs and Gathmann.)
- Gathright, J. B. (See Turner, H. M., assignor.)
- Gathright, J. B., Louisville, Ky. Container for perforated music-rolls. No. 882,557; Mar. 24; Sp. p. 4106; Dr. p. 870; Gaz. vol. 133; p. 771.
- Gaucher, E., Constantinople, Turkey. Air-compressor or vacuum-pump. No. 895,084; Aug. 4; Sp. p. 612; Dr. p. 127; Gaz. vol. 135; p. 996.
- Gauer, P., St. Petersburg, Russia. Rotary pump. No. 901,610; Oct. 20; Sp. p. 3225; Dr. p. 661; Gaz. vol. 136; p. 1639.
- Gauer, P., St. Petersburg, Russia. Hydraulic lifting-gear. No. 902,723; Nov. 3; Sp. p. 383; Gaz. vol. 137; p. 65.
- Gauer, R. C., Lindsey, Ohio. Device for detaching and attaching the sections of pumping or sucker rods. No. 893,318; July 14; Sp. p. 1873; Dr. p. 392; Gaz. vol. 135; p. 337.
- Gaul, A., Jr., Ridgefield, N. J. Feed-bag. No. 880,651; Mar. 3; Sp. p. 331; Dr. p. 72; Gaz. vol. 133; p. 58.
- Gaul, A., Jr., Ridgefield, N. J. Feed-bag. No. 906,702; Dec. 15; Sp. p. 3061; Gaz. vol. 137; p. 1551.
- Gault, J. A., Lancaster, Wis. Instrument for treating gonorrhea. No. 888,397; May 19; Sp. p. 4118; Dr. p. 869; Gaz. vol. 134; p. 733.
- Gault, J. A., Lancaster, Wis. Instrument for medicating the middle ear. No. 888,398; May 19; Sp. p. 4119; Dr. p. 869; Gaz. vol. 134; p. 733.
- Gault, J. P., assignor of one-third to W. Phillips, Louisville, Ky. Engineer's brake-valve. No. 885,601; Apr. 21; Sp. p. 3959; Dr. p. 826; Gaz. vol. 133; p. 1877.
- Gault, M. M., Medford, and J. L. Stockbridge, Portland, Oreg. Miner's candlestick. No. 883,307; Mar. 31; Sp. p. 5624; Dr. p. 1199; Gaz. vol. 133; p. 1047.
- Gaunt, J., Armley, England. Playing-card shuffler and trump-indicator. No. 877,992; Feb. 4; Sp. p. 190; Dr. p. 42; Gaz. vol. 132; p. 881.
- Gaunt, J., Meriden, assignor of one-half to W. M. Prisk, Yalesville, Conn. Percolator. No. 879,096; Feb. 11; Sp. p. 2475; Dr. p. 516; Gaz. vol. 132; p. 1273.
- Gauntt, F. G., Fort Wayne, Ind. Variable-speed mechanism. No. 887,785; May 19; Sp. p. 2953; Dr. p. 621; Gaz. vol. 134; p. 536.
- Gauntt, G. B., assignor of one-half to F. C. Floeckinger, Taylor, Tex. Cotton-chopper. No. 878,373; Feb. 4; Sp. p. 968; Dr. p. 194; Gaz. vol. 132; p. 1006.
- Gause, B., Washington, D. C., assignor to L. B. Dozier, Columbia, S. C. Bobbin. No. 887,621; May 12; Sp. p. 2609; Dr. p. 550; Gaz. vol. 134; p. 451.
- Gause, C., and P. Conrady, Berlin, Germany. Rotary engine. No. 883,188; Mar. 31; Sp. p. 5366; Dr. p. 1143; Gaz. vol. 133; p. 1008.
- Gauss, A., Steinbach, assignor to L. Böhm, Munich, Germany. Coin-delivering apparatus. No. 897,082; Aug. 25; Sp. p. 4657; Dr. p. 992; Gaz. vol. 135; p. 1718.
- Gauthier, E. (See Rodrigues-Ely and Gauthier.)
- Gauthier, J. L., Washington, D. C. Manually-controlled dental engine. No. 879,254; Feb. 18; Sp. p. 2788; Dr. pp. 584-5; Gaz. vol. 132; p. 1367.
- Gautier, T. B., Annapolis, Md., assignor of one-half to C. C. Burger, New York, N. Y. Distilling wood. No. 896,292; Aug. 18; Sp. p. 3006; Dr. p. 647; Gaz. vol. 135; p. 1436.
- Gautreaux, M. T. (See Burtch, D. H., assignor.)
- Gautsch, C., Munich, Germany. Casting copper and copper alloys. No. 898,638; Sept. 15; Sp. p. 2828; Gaz. vol. 136; p. 515.
- Gavin, J. H., assignor to L. Wolf Manufacturing Company, Chicago, Ill. Lavatory. No. 893,716; July 21; Sp. p. 2704; Dr. p. 568; Gaz. vol. 135; p. 496.
- Gavlak, J., Monongahela, Pa. Rocking-chair and fan attachment. No. 904,947; Nov. 24; Sp. p. 4981; Gaz. vol. 137; p. 888.
- Gay, C. (See Hendrick, W., assignor.)
- Gay, C. F., Spokane, Wash. Switch mechanism. No. 887,324; May 12; Sp. p. 2024; Dr. pp. 423-4; Gaz. vol. 134; p. 354.
- Gay, C. W., West Springfield, Mass. Paper-box machine. No. 881,118; Mar. 10; Sp. p. 1245; Dr. pp. 268-9; Gaz. vol. 133; p. 242.
- Gay, C. W., West Springfield, Mass. Machine for surface-finishing paper. No. 887,622; May 12; Sp. p. 2611; Dr. pp. 550-1; Gaz. vol. 134; p. 451.
- Gay, E. A., Rochester, N. Y. Lock-hinge. No. 907,589; Dec. 22; Sp. p. 4834; Gaz. vol. 137; p. 1878.
- Gay, E. G., deceased, Oneida, N. Y.; J. M. Gay, executrix. Railway cross-tie. No. 897,612; Sept. 1; Sp. p. 766; Dr. p. 161; Gaz. vol. 136; p. 121.
- Gay, G. E., Malden, Mass., assignor to Linen Thread Company, New York, N. Y. Mechanical movement. No. 893,068; July 14; Sp. p. 1383; Dr. p. 292; Gaz. vol. 135; p. 256.

Alphabetical list of patentees—Continued.

- Gay, G. L., Jr. (See Smith and Gay.)
 Gay, J. C., Jordanville, N. Y. Trolley-pole. No. 889,220; June 2; Sp. p. 66; Dr. p. 14; Gaz. vol. 134; p. 1068.
 Gay, J. H., and W. D. Quigley, Newark, N. J. Spring-roll for leather-splitting machines. No. 903,559; Nov. 10; Sp. p. 2057; Gaz. vol. 137; p. 367.
 Gay, J. H., and W. D. Quigley, Newark, N. J. Adjusting device for the lower-knife-supporting jaw-beams of leather-splitting machines. No. 903,560; Nov. 10; Sp. p. 2059; Gaz. vol. 137; p. 368.
 Gay, J. M., executrix. (See Gay, E. G.)
 Gay, J. W., Rickreall, Oreg. Boat. No. 882,194; Mar. 17; Sp. p. 3424; Dr. pp. 727-8; Gaz. vol. 133; p. 619.
 Gay, J. W., Solomon Rapids, assignor of one-half to G. W. Morehead, Beloit, Kans. Spoke-extractor. No. 881,070; Mar. 3; Sp. p. 1151; Dr. p. 250; Gaz. vol. 133; p. 196.
 Gay, S. G., Ottawa, Ill. Shaft for vehicles. No. 887,786; May 19; Sp. p. 2954; Dr. p. 621; Gaz. vol. 134; p. 536.
 Gaylor, F. W., White Plains, N. Y. Egg-testing device. No. 883,308; Mar. 31; Sp. p. 5625; Dr. p. 1199; Gaz. vol. 133; p. 1048.
 Gaylor, J. B. (See Robinson and Gaylor.)
 Gaylor, L. B., Boston, Mass. Safety-razor-stropping device. No. 891,986; June 30; Sp. p. 5716; Dr. p. 1230; Gaz. vol. 134; p. 2094.
 Gaylord, E. G., Chicopee, Mass. Coupling. No. 906,217; Dec. 8; Sp. p. 2170; Gaz. vol. 137; p. 1371.
 Gaylord, E. P., Rochester, N. Y. Vehicle-cleaning device. No. 895,551; Aug. 11; Sp. p. 1558; Dr. p. 329; Gaz. vol. 135; p. 1175.
 Gaylord, H. J. (See Gaylord, W. E. and H. J.)
 Gaylord, W. E. and H. J., Syracuse, N. Y. Bookbinding. No. 877,188; Jan. 21; Sp. p. 3106; Dr. p. 672; Gaz. vol. 132; p. 571.
 Gaynor, A. C., Bridgeport, Conn. Means for locking caps to socket shells, canisters, &c. No. 876,630; Jan. 14; Sp. p. 1953; Dr. p. 425; Gaz. vol. 132; p. 347.
 Gaynor, J., New York, N. Y. Gears-manipulator. No. 895,625; Aug. 11; Sp. p. 1700; Dr. p. 361; Gaz. vol. 135; p. 1199.
 Gaynor, T. F., New York, N. Y. Rotary building. No. 895,176; Aug. 4; Sp. p. 798; Dr. p. 166; Gaz. vol. 135; p. 1027.
 Gayton, R., Denver, Ind. Shoe-lace fastener. No. 886,792; May 5; Sp. p. 947; Dr. p. 197; Gaz. vol. 134; p. 154.
 Gear Grinding Machine Company. (See Ward and Taylor, assignors.)
 Geare, R. E. S., New York, N. Y. Dredging apparatus. No. 890,764; June 16; Sp. p. 3204; Dr. p. 700; Gaz. vol. 134; p. 1648.
 Gearhart, W. N., et al. (See Althen, W. C., assignor.)
 Gearhart, W. S. (See Older, Bilger, and Gearhart.)
 Gearing, C. W., and W. J. McGee, Franklin, Pa. Automobile-lift. No. 877,709; Jan. 28; Sp. p. 4138; Dr. pp. 895-6; Gaz. vol. 132; p. 761.
 Gearless Transmission Co. (See Davis, O. W., assignor.)
 Gearman, H., Marietta, Minn. Axle-lubricator. No. 901,165; Oct. 13; Sp. p. 2274; Dr. p. 463; Gaz. vol. 136; p. 1457.
 Geary, C. P. (See Maguire, F. R., assignor.)
 Geary, G. A., assignor to W. S. Emery, New York, N. Y. Post-hinge for water-closet seats, covers, and the like. No. 900,514; Oct. 6; Sp. p. 957; Dr. p. 194; Gaz. vol. 136; p. 1218.
 Geb, G. F., Franklin, Mass. Automatic stock-compensating device for card-feeders. No. 894,494; July 28; Sp. p. 4427; Dr. p. 916; Gaz. vol. 135; p. 775.
 Gebauer, E. G., Santa Fe, N. Mex. Ter. Universal elevating and lowering device. No. 900,515; Oct. 6; Sp. p. 958; Dr. pp. 194-5; Gaz. vol. 136; p. 1218.
 Gebhart, J. C., Atlanta, assignor to Atlanta Utility Works Inc., East Point, Ga. Saw-recutting mechanism. No. 888,704; May 26; Sp. p. 4781; Dr. p. 1018; Gaz. vol. 134; p. 868.
 Gebler, J. H. W., Pirna, Germany. Manufacturing sheet-iron vessels. No. 877,321; Jan. 21; Sp. p. 3376; Dr. p. 731; Gaz. vol. 132; p. 615.
 Gebler, J. H. W., Pirna, Germany. Seamless sheet-metal spout for vessels. No. 877,322; Jan. 21; Sp. p. 3377; Dr. p. 731; Gaz. vol. 132; p. 615.
 Gebr. Körting Aktiengesellschaft. (See Lüding, W., assignor.)
 Gebrüder Hammer. (See Zura, J., assignor.)
 Gebrüder Klug, Firm of. (See Dannenberg, H., assignor.)
 Gebrüder Siemens & Co. (See Viertel, H., assignor.)
 Gebrüder Sulzer. (See Sulzer, J., assignor.)
 Gee, M. M., Orange, N. J. Crayon-holder. No. 883,009; Mar. 24; Sp. p. 5004; Dr. p. 1064; Gaz. vol. 133; p. 919.
 Gee, S., et al. (See Tingley, L. M., assignor.)
 Gee, T. J., Chatteris, England. Swinging feed-elevator for maize-shellers and threshing-machines. No. 880,291; Feb. 25; Sp. p. 4963; Dr. p. 1048; Gaz. vol. 132; p. 1741.
 Gee, W. L., assignor to W. M. Gage, Saratoga Springs, N. Y. Muffler. No. 877,840; Jan. 28; Sp. p. 4376; Dr. p. 952; Gaz. vol. 132; p. 803.
 Geelmuyden, K., Notodden, Telemarken, assignor to Norsk Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Purifying nitrite solutions. No. 907,332; Dec. 22; Sp. p. 4306; Gaz. vol. 137; p. 1793.
 Geer, H. S., Watervliet, N. Y. Trace-holder. No. 900,066; Sept. 29; Sp. p. 5667; Dr. p. 1210; Gaz. vol. 136; p. 1042.
 Geertsma, O., Broadland, S. D. Vehicle-shaft. No. 879,456; Feb. 18; Sp. p. 3223; Dr. p. 670; Gaz. vol. 132; p. 1433.
 Gefken, H. E., Dublin, Ga. Ratchet-wrench. No. 883,309; Mar. 31; Sp. p. 5627; Dr. p. 1200; Gaz. vol. 133; p. 1048.
 Geffers, C., Erfurt, Germany. Means for pressing hollow bodies having depressions or cavities at their outer sides. No. 900,276; Oct. 6; Sp. p. 440; Dr. p. 90; Gaz. vol. 136; p. 1140.
 Gégauff, C. H. (See Wenning and Gégauff.)
 Gehant, H. F., Chicago, Ill. Fence-post. No. 906,522; Dec. 15; Sp. p. 2732; Gaz. vol. 137; p. 1496.
 Gehl, L. J., St. Paul, Minn. Flue-cutter. No. 907,987; Dec. 29; Sp. p. 5699; Gaz. vol. 137; p. 2038.
 Gehner, F., Garrison, N. D. Wheel-mounted push-scraper. No. 895,448; Aug. 11; Sp. p. 1346; Dr. p. 284; Gaz. vol. 135; p. 1141.
 Gehorsam, J. L., New York, N. Y. Mouth-prop. No. 888,484; May 26; Sp. p. 4325; Dr. p. 915; Gaz. vol. 134; p. 793.
 Gehre, F. (See Schultz and Gehre.)
 Gehrlicke, F., assignor of one-half to F. Bollmann, Berlin, Germany. Derailment-guard. No. 883,107; Mar. 24; Sp. p. 5184; Dr. p. 1107; Gaz. vol. 133; p. 950.
 Gehringer, C. B., Philadelphia, Pa. Dental tool-holder. No. 906,869; Dec. 15; Sp. p. 3393; Gaz. vol. 137; p. 1605.
 Gehrke, R. H., Merrill, Wis. Theater-chair. No. 895,552; Aug. 11; Sp. p. 1561; Dr. pp. 329-30; Gaz. vol. 135; p. 1176.
 Gehrksens, E. F., Schenectady, N. Y., assignor to General Electric Company. Variable-voltage transformer. No. 890,638; June 16; Sp. p. 2934; Dr. p. 643; Gaz. vol. 134; p. 1586.
 Gehrung, J. A., New York, N. Y. Signal system. No. 880,136; Feb. 25; Sp. p. 4631; Dr. p. 978; Gaz. vol. 132; p. 1687.
 Geib, W. J., Booneville, Miss. Foldable umbrella. No. 885,602; Apr. 21; Sp. p. 3963; Dr. p. 827; Gaz. vol. 133; p. 1878.
 Geiger, B. F., Los Angeles, Cal. Amalgamator. No. 897,975; Sept. 8; Sp. p. 1528; Dr. p. 325; Gaz. vol. 136; p. 270.
 Geiger, C. A., J. F. Eccard, and R. H. Sotherland, Jr., assignors to Troy Wagon Works Company, Troy, Ohio. Reversible dump-wagon. No. 903,185; Nov. 10; Sp. p. 1300; Gaz. vol. 137; p. 243.
 Geiger, D. F. and J. J., Barlow, N. D. Wrench. No. 891,615; June 23; Sp. p. 4925; Dr. p. 1061; Gaz. vol. 134; p. 1937.
 Geiger, F. J., et al. (See Haile, L. T., assignor.)
 Geiger, H. H., Griffin, Ga. Planter and fertilizer-dropper. No. 887,247; May 12; Sp. p. 1806; Dr. p. 361; Gaz. vol. 134; p. 325.
 Geiger, J. (See Langer, G. L., assignor.)
 Geiger, J. J. (See Geiger, D. F. and J. J.)
 Geilfuss, A. H. (See Porter, Laird, and Geilfuss.)
 Geis, C., Wilkesburg, Pa. Shears. No. 883,457; Mar. 31; Sp. p. 5951; Dr. p. 1269; Gaz. vol. 133; p. 1097.
 Geis, H., Regensburg, assignor to M. Haeussler, Munich, Germany. Device for aiming from cover. No. 880,378; Feb. 25; Sp. p. 5118; Dr. p. 1081; Gaz. vol. 132; p. 1768.
 Geisel, E. L., Morganville, N. J. Dry closet. No. 881,918; Mar. 17; Sp. p. 2869; Dr. pp. 612-13; Gaz. vol. 133; p. 530.
 Geisenberger, E., Liege, Belgium. Apparatus for manufacturing hydrogen gas. No. 900,516; Oct. 6; Sp. p. 963; Dr. p. 195; Gaz. vol. 136; p. 1219.
 Geisendorfer, G., Ukiah, Cal. Bottle. No. 900,364; Oct. 6; Sp. p. 607; Dr. p. 126; Gaz. vol. 136; p. 1168.
 Geisendorfer, H., Schenectady, N. Y., assignor to General Electric Company. Apparatus for molding porcelain-ware. No. 894,623; July 28; Sp. p. 4687; Dr. pp. 972-3; Gaz. vol. 135; p. 817.
 Geisendorfer, H., Schenectady, N. Y., assignor to General Electric Company. Attaching-plug. No. 896,005; Aug. 11; Sp. p. 2462; Dr. p. 530; Gaz. vol. 135; p. 1322.
 Geiser, C. N., et al. (See Butts, W. R., assignor.)
 Geiser, E., et al. (See Butts, W. R., assignor.)
 Geiser, K., and A. Schatzmann, Berne, Switzerland. Printing-plate. No. 894,265; July 28; Sp. p. 3952; Gaz. vol. 135; p. 699.
 Geiser Manufacturing Company. (See Anderson, G. A., assignor.)
 Geiser Manufacturing Company. (See Clymans and Flautt, assignors.)
 Geiser Manufacturing Company. (See Clymans and Hess, assignors.)
 Geisman & Musliner. (See Allison, H. H., assignor.)
 Geissinger, H. G., New York, N. Y. Electric thermostat. No. 887,087; May 12; Sp. p. 1496; Dr. p. 318; Gaz. vol. 134; p. 275.
 Geissinger, H. G., New York, N. Y. System of temperature control. No. 887,088; May 12; Sp. p. 1500; Dr. p. 318; Gaz. vol. 134; p. 275.

Alphabetical list of patentees—Continued.

- Geissler, F., Klotzsche, near Dresden, Germany. Coffee or tea percolator. No. 878,374; Feb. 4; Sp. p. 970; Dr. p. 195; Gaz. vol. 132; p. 1007.
- Gelabert, W. P., Fulton, Mo. Combined strap and strap-loop. No. 878,519; Feb. 11; Sp. p. 1337; Dr. p. 270; Gaz. vol. 132; p. 1088.
- Gelb, S., *et al.* (See Köszei, K., assignor.)
- Geldermann, H., Gross-Lichterfelde-Ost, near Berlin, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Red azyo dye and making same. No. 880,292; Feb. 25; Sp. p. 4964; Gaz. vol. 132; p. 1741.
- Geldermann, H., Gross-Lichterfelde-Ost, near Berlin, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Yellow tetrazo dye and making same. No. 880,293; Feb. 25; Sp. p. 4965; Gaz. vol. 132; p. 1741.
- Geldmacher, R., Cologne, Germany. Paper bag. No. 883,797; Apr. 7; Sp. p. 246; Dr. p. 44; Gaz. vol. 133; p. 1231.
- Gelin, J., Chicago, Ill. Newel-post construction. No. 904,195; Nov. 17; Sp. p. 3396; Gaz. vol. 137; p. 611.
- Gelius, E., Rehau, Germany. Stone-saw. No. 885,603; Apr. 21; Sp. p. 3967; Dr. p. 827; Gaz. vol. 133; p. 1878.
- Gell, J., London, England. Automatic telegraphic transmission instrument. No. 890,042; June 9; Sp. p. 1708; Dr. p. 378; Gaz. vol. 134; p. 1358.
- Geller, J. A. and S. H., Chicago, Ill. Telephone system. No. 903,561; Nov. 10; Sp. p. 2060; Gaz. vol. 137; p. 368.
- Geller, S. H. (See Geller, J. A. and S. H.)
- Gelpke, V., Lucerne, Switzerland, and P. Kugel, Dusseldorf, Germany. Regulating-nozzle for turbines. No. 877,323; Jan. 21; Sp. p. 3377; Dr. p. 731; Gaz. vol. 132; p. 615.
- Gelser, W. D., Hunt, N. Y. Check-valve for steam-boiler water-gages. No. 908,240; Dec. 29; Sp. p. 6242; Gaz. vol. 137; p. 2124.
- Geltz, A. H., Alliance, and L. L. Hosack, Youngstown, Ohio, assignors to C. B. McLean, trustee, Pittsburg, Pa. Air-brake apparatus. No. 892,148; June 30; Sp. p. 6016; Dr. pp. 1292-3; Gaz. vol. 134; p. 2145.
- Geltz, F., Beurig, near Saarburg, Germany. Tobacco-pipe. No. 895,626; Aug. 11; Sp. p. 1701; Dr. p. 361; Gaz. vol. 135; p. 1199.
- Gem City Acetylene Generator Company. (See Mumma, I., assignor.)
- Gem Toothpick Company. (See Emens and Brower, assignors.)
- Gemeny, E. A., Junction City, assignor of one-half to W. H. Coleman, Atchison, Kans. Pliers. No. 888,606; May 26; Sp. p. 4581; Dr. p. 971; Gaz. vol. 134; p. 837.
- Gemmer, W. S., assignor of one-half to Broderick & Bascom Rope Company, St. Louis, Mo. Tramway tower-saddle. No. 900,923; Oct. 13; Sp. p. 1820; Dr. pp. 369-71; Gaz. vol. 136; p. 1379.
- Genack, J. M., Springfield, Mass. Shoe-polishing device. No. 890,043; June 9; Sp. p. 1711; Dr. p. 379; Gaz. vol. 134; p. 1360.
- Gendron, W. C., *et al.* (See Roadhouse, N. F., assignor.)
- General Acoustic Company. (See Kelly, J. W., Jr., assignor.)
- General Acoustic Company. (See Turner, K. M., assignor.)
- General Chemical Company. (See Nield, J. H., assignor.)
- General Electric Company. (See Alexander, H., assignor.)
- General Electric Company. (See Alexander and Johnson, assignors.)
- General Electric Company. (See Alexanderson, E. F. W., assignor.)
- General Electric Company. (See Alexanderson and Widgren, assignors.)
- General Electric Company. (See Anderson, E. H., assignor.)
- General Electric Company. (See Anderson, R., assignor.)
- General Electric Company. (See Andrews and Manger, assignors.)
- General Electric Company. (See Anthony, J. S., assignor.)
- General Electric Company. (See Apt, R., assignor.)
- General Electric Company. (See Armstrong, A. H., assignor.)
- General Electric Company. (See Arnold, L., assignor.)
- General Electric Company. (See Arsem, W. C., assignor.)
- General Electric Company. (See Badeau, C. C., assignor.)
- General Electric Company. (See Ball, A. A., Jr., assignor.)
- General Electric Company. (See Barker, R. E., assignor.)
- General Electric Company. (See Barnes, E. A., assignor.)
- General Electric Company. (See Barringer, L. E., assignor.)
- General Electric Company. (See Barry, C. E., assignor.)
- General Electric Company. (See Batchelder, A. F., assignor.)
- General Electric Company. (See Beckwith, E. P., assignor.)
- General Electric Company. (See Behr, P., assignor.)
- General Electric Company. (See Bendmann, P., assignor.)
- General Electric Company. (See Berg, E., assignor.)
- General Electric Company. (See Bergman, S. R., assignor.)
- General Electric Company. (See Boyd, F. R. C., assignor.)
- General Electric Company. (See Bring, E. J., assignor.)
- General Electric Company. (See Brown, W. W., assignor.)
- General Electric Company. (See Brown and Clark, assignors.)
- General Electric Company. (See Buck, H. W., assignor.)
- General Electric Company. (See Burrows, W. R., assignor.)
- General Electric Company. (See Callan, J. G., assignor.)
- General Electric Company. (See Callan and Rice, assignors.)
- General Electric Company. (See Capello, F. S., assignor.)
- General Electric Company. (See Chamberlin, G. N., assignor.)
- General Electric Company. (See Churchward, A., assignor.)
- General Electric Company. (See Clark, A. G., assignor.)
- General Electric Company. (See Clinker, R. C., assignor.)
- General Electric Company. (See Corey, F. B., assignor.)
- General Electric Company. (See Cravens, G. W., assignor.)
- General Electric Company. (See Crocker, A. T., assignor.)
- General Electric Company. (See Cubitt, A. S., assignor.)
- General Electric Company. (See Curtis, C. G., assignor.)
- General Electric Company. (See Dalzell and Harthan, assignors.)
- General Electric Company. (See Danielson, E., assignor.)
- General Electric Company. (See Davis, A. G., assignor.)
- General Electric Company. (See Dawson, W. F., assignor.)
- General Electric Company. (See Day, M. W., assignor.)
- General Electric Company. (See De Reamer, F. C., assignor.)
- General Electric Company. (See Dempster, J. T. H., assignor.)
- General Electric Company. (See Dempster, L. E., assignor.)
- General Electric Company. (See Diehl, H., assignor.)
- General Electric Company. (See Dorgeloh, G. H., assignor.)
- General Electric Company. (See Douglass, R. W., assignor.)
- General Electric Company. (See Dutton, E. F., assignor.)
- General Electric Company. (See Eichberg, F., assignor.)
- General Electric Company. (See Emmet, W. L. R., assignor.)
- General Electric Company. (See Emmet and Dickinson, assignors.)
- General Electric Company. (See Emmet and Junggren, assignors.)
- General Electric Company. (See Erben, H. F. T., assignor.)
- General Electric Company. (See Ernst, C. A., assignor.)
- General Electric Company. (See Eveleth, C. E., assignor.)
- General Electric Company. (See Everest, A. R., assignor.)
- General Electric Company. (See Farquhar, E. H., assignor.)
- General Electric Company. (See Ferguson, S., assignor.)
- General Electric Company. (See Fish, W. C., assignor.)
- General Electric Company. (See Fleischmann, L., assignor.)
- General Electric Company. (See Fleischmann and Stern, assignors.)
- General Electric Company. (See Fleming, R., assignor.)
- General Electric Company. (See Fleming and Halvorson, assignors.)
- General Electric Company. (See Forster, S. S., assignor.)
- General Electric Company. (See Fox, C., assignor.)

Alphabetical list of patentees—Continued.

General Electric Company. (See Frank, J. J., assignor.)
 General Electric Company. (See Gehrken, E. F., assignor.)
 General Electric Company. (See Geisenhöner, H., assignor.)
 General Electric Company. (See Gilson, E. G., assignor.)
 General Electric Company. (See Graybill, J. E., assignor.)
 General Electric Company. (See Green, C. M., assignor.)
 General Electric Company. (See Hadley, A. L., assignor.)
 General Electric Company. (See Hall, J. L., assignor.)
 General Electric Company. (See Halsey, E. S., assignor.)
 General Electric Company. (See Halvorson, C. A. B., Jr., assignor.)
 General Electric Company. (See Hanna, M. R., assignor.)
 General Electric Company. (See Hårdén, J., assignor.)
 General Electric Company. (See Haskins, C. D., assignor.)
 General Electric Company. (See Hawkins, L. A., assignor.)
 General Electric Company. (See Hayden, J. L. R., assignor.)
 General Electric Company. (See Heath, H. E., assignor.)
 General Electric Company. (See Herman, R., assignor.)
 General Electric Company. (See Hewlett, E. M., assignor.)
 General Electric Company. (See Hewlett and Button, assignors.)
 General Electric Company. (See Hill, G. H., assignor.)
 General Electric Company. (See Hirt, F., assignor.)
 General Electric Company. (See Holden, F., assignor.)
 General Electric Company. (See Holmes, C. E., assignor.)
 General Electric Company. (See Howe, W. F., assignor.)
 General Electric Company. (See Howell, F. B., assignor.)
 General Electric Company. (See Howell, J. W., assignor.)
 General Electric Company. (See Jackson, A. M., assignor.)
 General Electric Company. (See Janisch, L., assignor.)
 General Electric Company. (See Janisch and Naumann, assignors.)
 General Electric Company. (See Junggren, O., assignor.)
 General Electric Company. (See Kallberg, E., assignor.)
 General Electric Company. (See Kannmacher, S. H., assignor.)
 General Electric Company. (See Keller, H., assignor.)
 General Electric Company. (See Kieser, W., assignor.)
 General Electric Company. (See Knight, A. F., assignor.)
 General Electric Company. (See Knight, C. D., assignor.)
 General Electric Company. (See Kruh, O. O., assignor.)
 General Electric Company. (See Kudlich, A. H., assignor.)
 General Electric Company. (See Kuhlmann, K., assignor.)
 General Electric Company. (See Larson, C. W., assignor.)
 General Electric Company. (See Latour, M. C. A., assignor.)
 General Electric Company. (See Lauder, A. R. K., assignor.)
 General Electric Company. (See Lemp, H., assignor.)
 General Electric Company. (See Lemp and Baldwin, assignors.)
 General Electric Company. (See Lewis, F. M., assignor.)
 General Electric Company. (See Lindsay, C. F., assignor.)
 General Electric Company. (See Lloyd, W. J., assignor.)
 General Electric Company. (See Lord, C. E., assignor.)
 General Electric Company. (See Loudon, W. A., assignor.)
 General Electric Company. (See Lum, W. O., assignor.)
 General Electric Company. (See Macdonald, A. F., assignor.)
 General Electric Company. (See Mackintosh, F., assignor.)
 General Electric Company. (See Macloskie, G., assignor.)
 General Electric Company. (See Macmillan, C., assignor.)
 General Electric Company. (See Mauger, S. W., assignor.)
 General Electric Company. (See Merriam, E. B., assignor.)
 General Electric Company. (See Merrill, W. L., assignor.)
 General Electric Company. (See Milch, M., assignor.)
 General Electric Company. (See Mitchell, F. C., assignor.)
 General Electric Company. (See Mitchell, J. I., assignor.)
 General Electric Company. (See Monasch, B., assignor.)
 General Electric Company. (See Moody, W. S., assignor.)
 General Electric Company. (See Moss, S. A., assignor.)
 General Electric Company. (See Musgrove, G. E., assignor.)
 General Electric Company. (See Noeggerath, J. E., assignor.)
 General Electric Company. (See Parker, R. H., assignor.)
 General Electric Company. (See Parkshall, H. F., assignor.)
 General Electric Company. (See Pauly, K. A., assignor.)
 General Electric Company. (See Pearson, M. M., assignor.)
 General Electric Company. (See Peek, F. W., Jr., assignor.)
 General Electric Company. (See Perham, J. C., assignor.)
 General Electric Company. (See Persson, O. F., assignor.)
 General Electric Company. (See Pforr, P., assignor.)
 General Electric Company. (See Pforr and Herkner, assignors.)
 General Electric Company. (See Potter, W. B., assignor.)
 General Electric Company. (See Pratt, W. H., assignor.)
 General Electric Company. (See Pratt and Holmes, assignors.)
 General Electric Company. (See Priest, E. D., assignor.)
 General Electric Company. (See Przygode, A., assignor.)
 General Electric Company. (See Raymond, E. B., assignor.)
 General Electric Company. (See Read, R. H., assignor.)
 General Electric Company. (See Reist, H. G., assignor.)
 General Electric Company. (See Rice, E. W., Jr., assignor.)
 General Electric Company. (See Rice, R. H., assignor.)
 General Electric Company. (See Rice, W. F., assignor.)
 General Electric Company. (See Rice and Boyd, assignors.)
 General Electric Company. (See Riddell, J., assignor.)
 General Electric Company. (See Rider, O. O., assignor.)
 General Electric Company. (See Robinson, L. T., assignor.)
 General Electric Company. (See Rosenberg, E., assignor.)
 General Electric Company. (See Rosenberg and Mix, assignors.)
 General Electric Company. (See Rupley, G. H., assignor.)
 General Electric Company. (See Rushmore, D. B., assignor.)
 General Electric Company. (See Samuelson, F., assignor.)
 General Electric Company. (See Sanford, F. W., assignor.)
 General Electric Company. (See Sargent, H. R., assignor.)
 General Electric Company. (See Schattner, E., assignor.)
 General Electric Company. (See Schubert, P., assignor.)
 General Electric Company. (See Schultz, C. B., assignor.)
 General Electric Company. (See Schwarz, R., assignor.)
 General Electric Company. (See Seabolt, F. J., assignor.)
 General Electric Company. (See Siegel, A., assignor.)
 General Electric Company. (See Smith, A., assignor.)

Alphabetical list of patentees—Continued.

- General Electric Company. (See Smyser, J. S., assignor.)
 General Electric Company. (See Spring, M. O., assignor.)
 General Electric Company. (See Steinmetz, C. P., assignor.)
 General Electric Company. (See Steinmetz and Dempster, assignors.)
 General Electric Company. (See Stevens, G. E., assignor.)
 General Electric Company. (See Stewart, S. B., Jr., assignor.)
 General Electric Company. (See Stumpf, J., assignor.)
 General Electric Company. (See Sulzberger, K., assignor.)
 General Electric Company. (See Swan, A., assignor.)
 General Electric Company. (See Taylor, W. B., assignor.)
 General Electric Company. (See Thomson, D. P., assignor.)
 General Electric Company. (See Thomson, E., assignor.)
 General Electric Company. (See Tirrill, L. A., assignor.)
 General Electric Company. (See Troy, M. O., assignor.)
 General Electric Company. (See Underwood and Douglass, assignors.)
 General Electric Company. (See Van Brunt, C., assignor.)
 General Electric Company. (See Vollmer, J., assignor.)
 General Electric Company. (See Wagner, E. P., assignor.)
 General Electric Company. (See Weedon, W. S., assignor.)
 General Electric Company. (See Weintraub, E., assignor.)
 General Electric Company. (See Westendarp, H. O., assignor.)
 General Electric Company. (See Weston and De Reamer, assignors.)
 General Electric Company. (See White, H. E., assignor.)
 General Electric Company. (See Whitney, W. R., assignor.)
 General Electric Company. (See Wiard, J. B., assignor.)
 General Electric Company. (See Williams and Harrington, assignors.)
 General Electric Company. (See Wood, M. M., assignor.)
 General Electric Company. (See Worsey, C. H., assignor.)
 General Electric Company. (See Yates, W. C., assignor.)
 General Electric Company. (See Yates and Cravens, assignors.)
 General Electric Company. (See Young, M. G., assignor.)
 General Electric Company. (See Zimmer, P. H., assignor.)
 General Electric Company. (See Zix, C. E., assignor.)
 General Fire Extinguisher Company. (See Buell, C. E., assignor.)
 General Fire Extinguisher Company. (See Gray, F., assignor.)
 General Fireproofing Company. (See White, A. P., assignor.)
 General Hydrocarbon Company. (See Bates, S. W., assignor.)
 General Incandescent Arc Light Company. (See Ball, H. P., assignor.)
 General Incandescent Arc Light Company. (See Wellman, H. R., assignor.)
 General Machinery Company. (See Pierce, J. H., assignor.)
 General Railway Signal Company. (See Dodgson, F. L., assignor.)
 General Railway Signal Company. (See Hovey, M. H., assignor.)
 General Railway Signal Company. (See Howe, W. K., assignor.)
 General Railway Signal Company. (See Macomber, W., assignor.)
 General Railway Signal Company. (See Salmon, W. W., assignor.)
 General Specialty Manufacturing Company. (See Smith, R. R., assignor.)
 General Storage Battery Company. (See Bijur, J., assignor.)
 General Storage Battery Company. (See Bijur, J., assignor.) (Reissue.)
 Genese, D., Baltimore, Md. Soldering apparatus. No. 902,870; Nov. 3; Sp. p. 689; Gaz. vol. 137; p. 114.
 Genese, D., Baltimore, Md. Bottle-seal-seal-applying device. No. 907,489; Dec. 22; Sp. p. 4631; Gaz. vol. 137; p. 1846.
 Geneva Furniture Manufacturing Company. (See Blake, J. L., assignor.)
 Geneva Optical Company. (See Brayton, E. I. and J. T., assignors.)
 Geneva Optical Company. (See Hardinge, F., assignor.)
 Genge, F., Everett, Wash. Egg-whip. No. 884,085; Apr. 7; Sp. p. 848; Dr. p. 178; Gaz. vol. 133; p. 1327.
 Genovese, R., New York, N. Y. Combination tramway-car. No. 907,775; Dec. 29; Sp. p. 5253; Gaz. vol. 137; p. 1966.
 Genovese, R., New York, N. Y. Combination dashboard and shield for tramway-cars. No. 908,241; Dec. 29; Sp. p. 6243; Gaz. vol. 137; p. 2124.
 Gent, J. F., Terre Haute, Ind., assignor of two-thirds to T. T. Gaff, Barnstable, Mass. Apparatus for the degermination of Indian corn. No. 877,640; Jan. 28; Sp. p. 4009; Dr. pp. 866-7; Gaz. vol. 132; p. 740.
 Gent, J. F., Terre Haute, Ind., assignor of two-thirds to T. T. Gaff, Barnstable, Mass. Degerming maize or Indian corn. No. 877,641; Jan. 28; Sp. p. 4014; Dr. p. 867; Gaz. vol. 132; p. 740.
 Gent, J. F., Terre Haute, Ind., assignor of two-thirds to T. T. Gaff, Barnstable, Mass. Degerming Indian corn and other grain. No. 889,116; May 26; Sp. p. 5634; Dr. p. 1193; Gaz. vol. 134; p. 1001.
 Genthner, C. M. (See Divekey and Genthner.)
 Genthner, C. M., assignor to Rathbone, Sard & Company, Aurora, Ill. Stove-top. No. 895,743; Aug. 11; Sp. p. 1933; Dr. p. 410; Gaz. vol. 135; p. 1237.
 Gentieu, G. W., Peoria, Ill. Projectile-loading. No. 899,523; Sept. 29; Sp. p. 4494; Dr. p. 965; Gaz. vol. 136; p. 864.
 Gentleman, W. P., Beatrice, Nebr. Air-brake. No. 903,077; Nov. 3; Sp. p. 1097; Gaz. vol. 137; p. 178.
 Gentslinger, G. (See Winemiller and Gentslinger.)
 Geo. E. Keith Company. (See Regan, T. J., assignor.)
 Geo. Ertel Co. (See Tuttle, J. S., assignor.)
 Geo. V. Cresson Co. (See Stacks, H. R., assignor.)
 Geoghegan, A. F. S. (See McGee, J. J., assignor.)
 Geometric Tool Company. (See Leonard, W. A., assignor.)
 Geores, E. G., New York, N. Y. Pleasure railway. No. 888,881; May 26; Sp. p. 5174; Dr. pp. 1098-9; Gaz. vol. 134; p. 926.
 George, A. F., assignor to George Combination Windmill Company, Bisbee, Ariz. Ter. Windmill. No. 879,161; Feb. 18; Sp. p. 2621; Dr. pp. 545-6; Gaz. vol. 132; p. 1337.
 George, A. F., assignor to George Combination Windmill Company, Bisbee, Ariz. Ter. Windmill. No. 879,162; Feb. 18; Sp. p. 2624; Dr. pp. 546-7; Gaz. vol. 132; p. 1337.
 George, A. F., Bisbee, Ariz. Ter., assignor of one-half to J. Ryan, Kansas City, Mo. Windmill. No. 880,518; Mar. 3; Sp. p. 49; Dr. p. 12; Gaz. vol. 133; p. 12.
 George A. McKeel & Company. (See McKeel, G. A., assignor.)
 George A. McKeel & Company. (See Sparks, W., assignor.)
 George Combination Windmill Company. (See George, A. F., assignor.)
 George Culver Ltd. (See Sutcliffe, J. H., assignor.)
 George Cutter Company. (See Cutter, G., assignor.)
 George, J., Wilcox, Pa., and C. M. Shortle, Bernhards Bay, N. Y. Machine for making wire-glass. No. 891,924; June 30; Sp. p. 5579; Dr. p. 1202; Gaz. vol. 134; p. 2074.
 George, J., Wilcox, Pa., and C. M. Shortle, Bernhards Bay, N. Y. Apparatus for manufacturing wire-glass. No. 892,044; June 30; Sp. p. 5815; Dr. p. 1251; Gaz. vol. 134; p. 2111.
 George, J. R., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 886,491; May 5; Sp. p. 295; Dr. p. 62; Gaz. vol. 134; p. 54.
 George, J. R., assignor to Morgan Construction Company, Worcester, Mass. Metal-heating furnace. No. 886,492; May 5; Sp. p. 297; Dr. p. 62; Gaz. vol. 134; p. 55.
 George L. Mason Company. (See Mason, G. L., assignor.)
 George, L. S. S., Kamloops, British Columbia, Canada. Mortise-lock. No. 876,167; Jan. 7; Sp. p. 937; Dr. p. 201; Gaz. vol. 132; p. 159.
 George N. Pierce Company. (See Fergusson, D., assignor.)
 George, S. P., Puyallup, Wash. Stake for logging-cars. No. 880,652; Mar. 3; Sp. p. 331; Dr. p. 72; Gaz. vol. 133; p. 58.
 George, W., J. Bentley, and E. C. Krough, Los Angeles, Cal., said Krough assignor to said Bentley. Wave-motor. No. 899,652; Sept. 29; Sp. p. 4771; Dr. p. 1021; Gaz. vol. 136; p. 906.
 George, W. B., Columbus, Ohio. Apparatus for removing the grains of corn from corncobs. No. 879,457; Feb. 18; Sp. p. 3224; Dr. p. 670; Gaz. vol. 132; p. 1433.

Alphabetical list of patentees—Continued.

- Georger, A. L., Buffalo, N. Y. Register for railway mail-matter. No. 879,956; Feb. 25; Sp. p. 4283; Dr. pp. 895-6; Gaz. vol. 132; p. 1630.
- Georges, J., and E. A. Dormoy, Algiers, Algeria. Tube-scraper. No. 903,854; Nov. 17; Sp. p. 2658; Gaz. vol. 137; p. 493.
- Georges, J. B., Toulon-sur-Allier, France. Racing track or course. No. 877,993; Feb. 4; Sp. p. 191; Dr. p. 43; Gaz. vol. 132; p. 881.
- Geppert, G., Dresden, Germany. Apparatus for changing shuttles in looms. No. 889,452; June 2; Sp. p. 521; Dr. p. 123; Gaz. vol. 134; p. 1142.
- Gepner, J., Chicago, Ill. Movable car-step. No. 890,639; June 16; Sp. p. 2935; Dr. p. 643; Gaz. vol. 134; p. 1587.
- Geraci, I., Washington, D. C. Tailor's appliance. No. 896,100; Aug. 18; Sp. p. 2639; Dr. p. 570; Gaz. vol. 135; p. 1374.
- Geraghty, J. P., assignor to himself, C. H. Good, J. J. Goodlad, and E. Sullivan, Jersey City, N. J. Permutation-lock. No. 898,417; Sept. 8; Sp. p. 2368; Dr. p. 506; Gaz. vol. 136; p. 411.
- Gerard, A. (See Munro and Gerard.)
- Gerber, G. H. (See Losch and Gerber.)
- Gerber, G. H., and A. Weiland, Reading, Pa.; said Weiland assignor to said Gerber. Vaporizer. No. 877,890; Jan. 28; Sp. p. 4467; Dr. p. 974; Gaz. vol. 132; p. 819.
- Gerbrecht, E., and J. C. Krutil, Chicago, Ill. Portable combination bottle, lamp, and cup. No. 896,719; Aug. 25; Sp. p. 3857; Dr. p. 834; Gaz. vol. 135; p. 1595.
- Gerbsch, H. J., Wausau, Wis. Drier. No. 875,704; Jan. 7; Sp. p. 49; Dr. p. 10; Gaz. vol. 132; p. 11.
- Gerdes, H., Berlin, Germany. Apparatus for making oil-gas. No. 883,681; Mar. 31; Sp. p. 6389; Dr. p. 1363; Gaz. vol. 133; p. 1165.
- Gerdes, H., Berlin, Germany. Gas heating-stove. No. 897,732; Sept. 1; Sp. p. 992; Dr. p. 211; Gaz. vol. 136; p. 160.
- Gerdes, H., Berlin, Germany, assignor, by mesne assignments, to Olds Gas Power Company, Lansing, Mich. Gas-producer. No. 883,131; Mar. 24; Sp. p. 5246; Dr. p. 1120; Gaz. vol. 133; p. 959.
- Gerdes, T., and G. E. Wilken, Danforth, Ill. Grain-car door. No. 901,531; Oct. 20; Sp. p. 3079; Dr. p. 629; Gaz. vol. 136; p. 1614.
- Gerding, H. (See Schultz and Gerding.)
- Gerdon, L. W., Meadville, Pa., assignor of one-half to E. P. Barnes, Cleveland, Ohio. Means for tying wires to insulators, &c. No. 878,520; Feb. 11; Sp. p. 1338; Dr. p. 271; Gaz. vol. 132; p. 1088.
- Gere, W. B. (See Merrell and Gere.)
- Gerfin, W. H., East Petersburg, Pa. Pruning implement. No. 882,781; Mar. 24; Sp. p. 4540; Dr. p. 969; Gaz. vol. 133; p. 843.
- Gerger, C. R., New York, N. Y. Explosive-motor. No. 879,763; Feb. 18; Sp. p. 3844; Dr. p. 806; Gaz. vol. 132; p. 1533.
- Gerhard, F. W., Redfield, S. D. Card-index tray. No. 903,855; Nov. 17; Sp. p. 2659; Gaz. vol. 137; p. 493.
- Gerhard, W. H., Austin, Tex. Folding bracket for desk-telephones, &c. No. 898,572; Sept. 15; Sp. p. 2685; Dr. p. 574; Gaz. vol. 136; p. 493.
- Gerhardt, H. (See Schenk, H., assignor.)
- Gerhardts, L., Westbrook, Me. Tension device for loom-shuttles. No. 878,720; Feb. 11; Sp. p. 1762; Dr. p. 364; Gaz. vol. 132; p. 1156.
- Gerken, C. L., New York, N. Y. Rotary display-stand. No. 889,517; June 2; Sp. p. 660; Dr. p. 153; Gaz. vol. 134; p. 1162.
- Gerlach, C., assignor to John L. Gaumer Company, Philadelphia, Pa. Gas-fixture. No. 886,120; Apr. 28; Sp. p. 5061; Dr. p. 1062; Gaz. vol. 133; p. 2079.
- Gerlach, E., New York, N. Y. Nozzle. No. 876,796; Jan. 14; Sp. p. 2247; Dr. p. 494; Gaz. vol. 132; p. 399.
- Gerlach, F. W., and M. M. Culp, Franklin, Ohio. Coin-controlled vending-machine. No. 896,101; Aug. 18; Sp. p. 2640; Dr. p. 570; Gaz. vol. 135; p. 1375.
- Gerlach, O., Iola, Kans. Apparatus for treating cement. No. 894,825; Aug. 4; Sp. p. 50; Dr. pp. 10-11; Gaz. vol. 135; p. 909.
- Gerlach, R., Frankfort-on-the-Main, Germany. Heel for foot-gear. No. 908,088; Dec. 29; Sp. p. 5891; Gaz. vol. 137; p. 2071.
- Gerling, F. A., Portland, Oreg. Draft appliance. No. 901,701; Oct. 20; Sp. p. 3458; Dr. p. 701; Gaz. vol. 136; p. 1671.
- Gerlinger, C. F., Dallas, Oreg. Railway-brake. No. 895,851; Aug. 11; Sp. p. 2161; Dr. p. 459; Gaz. vol. 135; p. 1272.
- Germain, E. (See Newman, J., assignor.)
- Germain, E. J., and R. Rohr, Belleville, Ill. Shock-mover. No. 907,776; Dec. 29; Sp. p. 5256; Gaz. vol. 137; p. 1969.
- Germain, J. E., and G. A. Ossart, Rueil, assignors to J. A. G. Rousset, Vincennes, France. Optical lens. No. 880,208; Feb. 25; Sp. p. 4785; Dr. pp. 1012-13; Gaz. vol. 132; p. 1712.
- German, I. T., Delmar, Del. Music-leaf turner. No. 891,056; June 16; Sp. p. 3798; Dr. p. 829; Gaz. vol. 134; p. 1724.
- German, S., Monkton, Md. Water-tower and elevator. No. 895,008; Aug. 4; Sp. p. 477; Dr. p. 96; Gaz. vol. 135; p. 971.
- Germann, E. (See Buckingham and Germann.)
- Germann, W. H., Washington, D. C. Supporter for trousers and drawers. No. 897,976; Sept. 8; Sp. p. 1529; Dr. p. 325; Gaz. vol. 136; p. 271.
- Germany, J. W., Cooperville, Miss. Log-truck. No. 886,493; May 5; Sp. p. 299; Dr. p. 62; Gaz. vol. 134; p. 55.
- Germer, E. G., Erie, Pa. Fire-pot or lining. No. 900,011; Sept. 29; Sp. p. 5536; Dr. p. 1180; Gaz. vol. 136; p. 1023.
- Germer, H. J., assignor to M. Germer, Canton, Ohio. Apparatus for making brine. No. 897,284; Sept. 1; Sp. p. 37; Dr. p. 9; Gaz. vol. 136; p. 9.
- Germer, M. (See Germer, H. J., assignor.)
- Gernhardt, J. A. (See Meade, J. F., assignor.)
- Gernsback, H., assignor, by mesne assignments, to Motor Car Equipment Company, New York, N. Y. Incandescent lamp. No. 902,069; Oct. 27; Sp. p. 4188; Dr. p. 849; Gaz. vol. 136; p. 1819.
- Gero, D. W., Brooklyn, N. Y., assignor of one-half to Laconia Car Company Works. Journal-box. No. 908,403; Dec. 29; Sp. p. 6576; Gaz. vol. 137; p. 2180.
- Gero, J. F., Newark, Ohio. Hose-clamp. No. 893,475; July 14; Sp. p. 2205; Dr. p. 463; Gaz. vol. 135; p. 388.
- Gerrans, A. T. (See De Remer, R. P., assignor.)
- Gerrard, C. L., Columbus, Nebr. Feed-regulator for gas-generators. No. 883,189; Mar. 31; Sp. p. 5371; Dr. pp. 1143-4; Gaz. vol. 133; p. 1008.
- Gerrich, J. K., assignor of one-half to G. W. Miller, Hanover, Pa. Rotary engine. No. 889,875; June 2; Sp. p. 1334; Dr. p. 334; Gaz. vol. 134; p. 1277.
- Gerrish, E. W., Jacksonville, Fla. Log hauling and loading machine. No. 897,613; Sept. 1; Sp. p. 767; Dr. pp. 161-2; Gaz. vol. 136; p. 121.
- Gerrish, J. H., Boston, Mass. Scow. No. 887,934; May 19; Sp. p. 3256; Dr. pp. 683-4; Gaz. vol. 134; p. 586.
- Gerry, E. M., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. Oil-switch. No. 891,833; June 30; Sp. p. 5405; Dr. pp. 1168-9; Gaz. vol. 134; p. 2043.
- Gersdorf, F. J., Brooklyn, N. Y. Box-covering machine. No. 907,028; Dec. 15; Sp. p. 3676; Gaz. vol. 137; p. 1655.
- Gerson, J., New Haven, Conn. Door-stop. No. 889,453; June 2; Sp. p. 526; Dr. p. 123; Gaz. vol. 134; p. 1143.
- Gerstein, H., *et al.* (See Gerstein, M., assignor.)
- Gerstein, M., assignor of two-thirds to H. Gerstein, Chelsea, and A. Cooper, South Boston, Mass. Range-boiler. No. 900,012; Sept. 29; Sp. p. 5537; Dr. p. 1180; Gaz. vol. 136; p. 1024.
- Gerstenhauer, A., assignor of two-thirds to J. A. Spencer and G. R. Tucker, Los Angeles, Cal. Mechanism for splitting, breaking, or pulverizing rocks or ores. No. 895,850; Aug. 11; Sp. p. 2159; Dr. p. 458; Gaz. vol. 135; p. 1272.
- Gerster, S. W., Gerster, Mo. Milking vessel. No. 900,161; Oct. 6; Sp. p. 192; Dr. p. 39; Gaz. vol. 136; p. 1103.
- Gerstner, A., New York, N. Y. Dirigible balloon. No. 880,070; Feb. 25; Sp. p. 4510; Dr. pp. 948-9; Gaz. vol. 132; p. 1666.
- Gerstner, A., New York, N. Y. Railway-crossing. No. 905,689; Dec. 1; Sp. p. 1143; Gaz. vol. 137; p. 1168.
- Gertz, C. G., Fairview, Okla. Plow-point. No. 888,607; May 26; Sp. p. 4532; Dr. p. 972; Gaz. vol. 134; p. 837.
- Gervin, C. D., assignor to J. H. Dale, New York, N. Y. Multiple cluster-socket. No. 894,826; Aug. 4; Sp. p. 53; Dr. p. 11; Gaz. vol. 135; p. 909.
- Gervin, C. D., New York, N. Y., assignor to Dale Company. Cluster-lamp socket. No. 897,614; Sept. 1; Sp. p. 768; Dr. p. 162; Gaz. vol. 136; p. 121.
- Gerwig, E., assignor of one-fourth to J. Hearn, Pittsburg, Pa. Car-fender and attachment. No. 891,057; June 16; Sp. p. 3801; Dr. p. 830; Gaz. vol. 134; p. 1725.
- Gesell, O. L., Elma, Iowa. Stringed musical instrument. No. 892,718; July 7; Sp. p. 640; Dr. p. 136; Gaz. vol. 135; p. 111.
- Geserich, M. F., St. Louis, Mo. Vehicle. No. 884,014; Apr. 7; Sp. p. 700; Dr. p. 141; Gaz. vol. 133; p. 1304.
- Geserich, M. F., St. Louis, Mo. Advertising device for vehicles. No. 897,615; Sept. 1; Sp. p. 770; Dr. p. 162; Gaz. vol. 136; p. 122.
- Gesford, P. G., Orting, Wash. Garden implement. No. 907,333; Dec. 22; Sp. p. 4307; Gaz. vol. 137; p. 1793.
- Gesler, E. A. (See Sheppard and Gesler.)
- Gessert, G., Edwardsville, Ill. Trolley-catcher. No. 895,251; Aug. 4; Sp. p. 964; Dr. p. 202; Gaz. vol. 135; p. 1053.
- Gessner, A., Sergeant, Pa. Apparatus for manufacturing wire-glass. No. 881,791; Mar. 10; Sp. p. 2571; Dr. p. 552; Gaz. vol. 133; p. 459.
- Gessner, E., Aue, Germany. Textile-spreading device. No. 883,535; Mar. 31; Sp. p. 6101; Dr. pp. 1297-8; Gaz. vol. 133; p. 1120.
- Gessner, E., Aue, Germany. Machine for extracting liquid from cloth. No. 883,536; Mar. 31; Sp. p. 6104; Dr. pp. 1298-9; Gaz. vol. 133; p. 1120.
- Gessner, L. von. (See Bradley, J. J., assignor.)
- Gestetner, D., Tottenham Hale, England. Stencil-printing apparatus. No. 894,827; Aug. 4; Sp. p. 55; Dr. p. 11; Gaz. vol. 135; p. 909.
- Getaz, H., Schenectady, N. Y. Composite file. No. 898,352; Sept. 8; Sp. p. 2238; Dr. p. 477; Gaz. vol. 136; p. 388.

Alphabetical list of patentees—Continued.

- Getchell, C. W., assignor of one-half to F. B. Webber, Waterville, Me. Rifle-sight-lighting means. No. 880,294; Feb. 25; Sp. p. 4967; Dr. p. 1048; Gaz. vol. 132; p. 1742.
- Gether, C. R., Milwaukee, Wis. Punching-machine. No. 893,069; July 14; Sp. p. 1385; Dr. pp. 292-3; Gaz. vol. 135; p. 256.
- Gething, A., assignor of two-thirds to J. P. Willis and H. L. Ice, Enterprise, W. Va. Railway-rail bond. No. 905,810; Dec. 1; Sp. p. 1374; Gaz. vol. 137; p. 1209.
- Getschow, W. C., Littleton, Colo. Mail-bag-delivery apparatus. No. 891,058; June 16; Sp. p. 3802; Dr. p. 830; Gaz. vol. 134; p. 1725.
- Getty, F. I., Jennings, La. Machine for manufacturing screenings for well-tubes. No. 892,659; July 7; Sp. p. 519; Dr. pp. 109-10; Gaz. vol. 135; p. 92.
- Getty, F. I., Jennings, La. Manufacturing strainers for wells. No. 892,660; July 7; Sp. p. 522; Dr. p. 110; Gaz. vol. 135; p. 92.
- Getz, C. E., Montreal, Quebec, Canada. Time-indicating device. No. 886,693; May 5; Sp. p. 719; Dr. p. 147; Gaz. vol. 134; p. 121.
- Geurink, B. A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas-burner. No. 891,245; June 23; Sp. p. 4170; Dr. p. 913; Gaz. vol. 134; p. 1816.
- Gevers, K., Osterode-in-the-Harz, Germany. Apparatus for grinding wood-pulp. No. 875,705; Jan. 7; Sp. p. 52; Dr. p. 11; Gaz. vol. 132; p. 12.
- Gfeller, F. (See Doble and Gfeller.)
- Ghegan, J. J., Newark, N. J. Telegraph system. (Reissue.) No. 12,739; Jan. 14; Sp. p. 2523; Dr. p. 552; Gaz. vol. 132; p. 442.
- Ghegan, J. J., Newark, N. J. Duplex telegraph. No. 887,038; May 5; Sp. p. 1391; Dr. p. 295; Gaz. vol. 134; p. 231.
- Gianini, M., New York, N. Y. Display-receptacle. No. 903,078; Nov. 3; Sp. p. 1100; Gaz. vol. 137; p. 179.
- Giannelli, L., Boston, Mass. Milling-machine. No. 898,353; Sept. 8; Sp. p. 2239; Dr. pp. 477-8; Gaz. vol. 136; p. 388.
- Gianoli, L. A. (See Gianoli and Persin, assignors.)
- Gianoli, L. A., Magenta, Paris, and R. A. Persin, Villiers-le-Bel, assignors to L. A. Gianoli, Paris, France. Magneto-electric generator. No. 894,624; July 28; Sp. p. 4690; Dr. p. 973; Gaz. vol. 135; p. 817.
- Giard, A. A., Big Falls, Minn. Milk-pail holder. No. 890,354; June 9; Sp. p. 2353; Dr. p. 519; Gaz. vol. 134; p. 1461.
- Gibbs, C. (See Cain, C. C., Jr., assignor.)
- Gibbs, C., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 879,818; Feb. 18; Sp. p. 3956; Dr. p. 828; Gaz. vol. 132; p. 1551.
- Gibbs, C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 882,246; Mar. 17; Sp. p. 3516; Dr. p. 746; Gaz. vol. 133; p. 635.
- Gibbs, C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 884,980; Apr. 14; Sp. p. 2677; Dr. p. 569; Gaz. vol. 133; p. 1646.
- Gibbs, C., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 889,876; June 2; Sp. p. 1336; Dr. p. 305; Gaz. vol. 134; p. 1277.
- Gibbs, C. A., Williamsport, Pa. Air and water heating furnace. No. 882,558; Mar. 24; Sp. p. 4108; Dr. p. 871; Gaz. vol. 133; p. 771.
- Gibbs, C. W., Peshastin, Wash. Cultivator. No. 878,375; Feb. 4; Sp. p. 971; Dr. p. 195; Gaz. vol. 132; p. 1007.
- Gibbs, G. W., Jr., Atlanta, Ga. Explosive-engine. No. 882,942; Mar. 24; Sp. p. 4887; Dr. p. 1037; Gaz. vol. 133; p. 898.
- Gibbs, H., assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Hose-rack. No. 904,527; Nov. 24; Sp. p. 4104; Gaz. vol. 137; p. 748.
- Gibbs, H. S. (See Burr and Gibbs.)
- Gibbs, J. A., assignor of one-half to J. Rose, Roanoke, Va. Brake-shoe. No. 886,694; May 5; Sp. p. 721; Dr. p. 148; Gaz. vol. 134; p. 122.
- Gibbs, L. A., assignor of one-half to J. Rose, Roanoke, Va. Railroad brake-shoe. No. 903,816; Nov. 10; Sp. p. 2567; Gaz. vol. 137; p. 448.
- Gibbs, L. L., South Boston, Mass. Galvanizing apparatus. No. 883,458; Mar. 31; Sp. p. 5952; Dr. p. 1269-70; Gaz. vol. 133; p. 1097.
- Gibbs, L. T., Hempstead, N. Y. Car-heating system. No. 878,793; Feb. 11; Sp. p. 1911; Dr. p. 392; Gaz. vol. 132; p. 1180.
- Gibbs Manufacturing Company. (See Gibbs, S. W., assignor.)
- Gibbs, P. P., Gordon, Tex. Pneumatic knee-pad. No. 891,533; June 23; Sp. p. 4761; Dr. p. 1031; Gaz. vol. 134; p. 1911.
- Gibbs, S. W., assignor of one-half to Gibbs Manufacturing Company, Canton, Ohio. Phonograph-stop. No. 883,190; Mar. 31; Sp. p. 5373; Dr. p. 1144; Gaz. vol. 133; p. 1009.
- Gibbs, W. A., Newark, Ohio. Ticket separating and counting machine. No. 886,793; May 5; Sp. p. 948; Dr. pp. 197-9; Gaz. vol. 134; p. 154.
- Gibbs, W. J. (See Brown and Gibbs.) (Reissue.)
- Gibbs, W. T., Louisville, Ga. Seed-planter. No. 899,039; Sept. 22; Sp. p. 3552; Dr. p. 761; Gaz. vol. 136; p. 671.
- Gibbs, W. T., Buckingham, Quebec, Canada, assignor to National Electrolytic Company. Making chromates. No. 901,436; Oct. 20; Sp. p. 2865; Dr. p. 585; Gaz. vol. 136; p. 1583.
- Gibby, G. H. (See Decker and Gibby.)
- Gibford Automatic Safety Pin Co. (See Hoxie, G. L., assignor.)
- Gibford, E. B., Adrian, Mich. Razor-guard. No. 889,183; May 26; Sp. p. 5779; Dr. p. 1224; Gaz. vol. 134; p. 1023.
- Gibford, E. B., Adrian, Mich. Paring-knife. No. 891,925; June 30; Sp. p. 5581; Dr. p. 1203; Gaz. vol. 134; p. 2074.
- Gibler, B. F. (See Neusis and Gibler.)
- Gibney, J. W., assignor to W. P. Taylor Company, Buffalo, N. Y. Dust-proof self-locking journal-box cover. No. 889,780; June 2; Sp. p. 1148; Dr. p. 266; Gaz. vol. 134; p. 1245.
- Gibney, J. W., assignor to W. P. Taylor Company, Buffalo, N. Y. Apparatus for making green-sand cores. No. 899,250; Sept. 22; Sp. p. 3998; Dr. pp. 852-3; Gaz. vol. 136; p. 742.
- Gibney, J. W., assignor to W. P. Taylor Company, Buffalo, N. Y. Apparatus for making molds. No. 900,365; Oct. 6; Sp. p. 609; Dr. pp. 126-7; Gaz. vol. 136; p. 1169.
- Gibson, A. H. C., Birmingham, England. Pressure-indicator. No. 898,213; Sept. 8; Sp. p. 1986; Dr. p. 423; Gaz. vol. 136; p. 345.
- Gibson, A. L., Philadelphia, Pa. Water-heater. No. 907,590; Dec. 22; Sp. p. 4837; Gaz. vol. 137; p. 1878.
- Gibson, A. P., and G. Smith, Alderson, W. Va. Smoke-consumer. No. 907,490; Dec. 22; Sp. p. 4633; Gaz. vol. 137; p. 1846.
- Gibson, C. A., assignor of one-half to R. C. Berry, Indianapolis, Ind. Cement burial-vault. No. 905,416; Dec. 1; Sp. p. 572; Gaz. vol. 137; p. 1081.
- Gibson, C. B. (See Randall and Gibson.)
- Gibson, C. C. (See Patterson, W. C., assignor.)
- Gibson, E., Dallas, Tex. Non-refillable bottle. No. 880,787; Mar. 3; Sp. p. 601; Dr. p. 128; Gaz. vol. 133; p. 104.
- Gibson, F. W., West Roxbury, Mass., assignor to H. D. Beach Company, Coshocton, Ohio. Twine-holder. No. 882,244; Mar. 17; Sp. p. 3513; Dr. p. 746; Gaz. vol. 133; p. 634.
- Gibson, F. W., West Roxbury, Mass., assignor to H. D. Beach Company, Coshocton, Ohio. Twine-holder. No. 882,245; Mar. 17; Sp. p. 3515; Dr. p. 746; Gaz. vol. 133; p. 634.
- Gibson, G. (See Scholes and Gibson.)
- Gibson, G. E., Jefferson, Iowa. Chicken-feeder. No. 891,534; June 23; Sp. p. 4762; Dr. p. 1031; Gaz. vol. 134; p. 1912.
- Gibson, J. C., assignor of one-half to A. H. Smith, Owensboro, Ky. Insulator. No. 908,089; Dec. 29; Sp. p. 5892; Gaz. vol. 137; p. 2071.
- Gibson, J. H., Liscard, assignor of one-half to R. R. Bevis, Hamptone, England. Apparatus for indicating the magnitude of the torque in shafting. No. 902,394; Oct. 27; Sp. p. 4854; Dr. pp. 982-3; Gaz. vol. 136; p. 1923.
- Gibson, J. K. (See Brewer and Gibson.)
- Gibson Mfg. Co. (See Gibson, W., assignor.)
- Gibson, W., assignor to Gibson Mfg. Co., Danbury, Conn. Telephone-receiver. No. 887,473; May 12; Sp. p. 2336; Dr. p. 488; Gaz. vol. 134; p. 403.
- Gibson, W. H. (See Moberg, C. G., assignor.)
- Gibson, W. H., Grand Rapids, Mich. Wheel-lock. No. 885,036; Apr. 21; Sp. p. 2800; Dr. p. 592; Gaz. vol. 133; p. 1697.
- Gibson, W. K. (See McLean and Gibson.)
- Giczewski, J., West Hammond, Ill. Railway-car. No. 904,256; Nov. 17; Sp. p. 3527; Gaz. vol. 137; p. 631.
- Giddings, F. M., Galesburg, Ill. Apparatus for securing compressed bales with wire. No. 889,848; June 2; Sp. p. 1275; Dr. p. 293; Gaz. vol. 134; p. 1267.
- Giddings, G. W. (See Phillips, C. H., assignor.)
- Giddings, H., Chicago, Ill. Heater. No. 875,990; Jan. 7; Sp. p. 594; Dr. p. 127; Gaz. vol. 132; p. 103.
- Giddings & Lewis Manufacturing Company. (See Anderson, U., assignor.)
- Giebried, W., assignor to Ehrhardt & Sehmer, Gesellschaft mit beschränkter Haftung, Schleifmühle, near Saarbrücken, Germany. Engine-cylinder. No. 894,380; July 28; Sp. p. 4191; Dr. p. 865; Gaz. vol. 135; p. 737.
- Gieger, F. C., et al. (See Nielson, I., assignor.)
- Giele, W. S. (See McCarty and Giele.)
- Gienger, J. W., Buck Valley, Pa. Jar-lifter. No. 892,588; July 7; Sp. p. 372; Dr. pp. 81-2; Gaz. vol. 135; p. 69.
- Gier, B. S., and H. M. Verplanck, assignors to Lansing Wheelbarrow Company, Lansing, Mich. Wheelbarrow. No. 887,387; May 12; Sp. p. 2166; Dr. p. 453; Gaz. vol. 134; p. 375.
- Gierling, C. E., Newark, N. J. Fare-register. No. 892,986; July 14; Sp. p. 1207; Dr. pp. 256-7; Gaz. vol. 135; p. 229.
- Giersing, O. M., and J. Heerfordt, Copenhagen, Denmark. Inkstand. No. 894,793; July 28; Sp. p. 4994; Dr. p. 1043; Gaz. vol. 135; p. 871.

Alphabetical list of patentees—Continued.

- Gies, E. A. (See Lutter and Gies.)
 Gies, F. G., assignor to Gies Gear Company, Detroit, Mich. Reversing-gear. No. 878,132; Feb. 4; Sp. p. 473; Dr. p. 101; Gaz. vol. 132; p. 926.
 Gies Gear Company. (See Gies, F. G., assignor.)
 Giese, A., assignor to Gebr. Perzina, Schwerin, Germany. Process of polishing. No. 889,117; May 26; Sp. p. 5636; Gaz. vol. 134; p. 1001.
 Gieser Manufacturing Company. (See Anderson, G. A., assignor.)
 Giesler, G., and T. J. Alexander, Madison, Ind. Nail-making machine. No. 884,577; Apr. 14; Sp. p. 1837; Dr. pp. 393-4; Gaz. vol. 133; p. 1516.
 Giffin, J. E. Juniata, assignor of two-thirds to C. A. Hull and C. E. Remaley, Altoona, Pa. Adjustable chimney-cap. No. 891,159; June 16; Sp. p. 3961; Dr. p. 869; Gaz. vol. 134; p. 1755.
 Giffin, M. F., Cove, Oreg. Nut-lock. No. 885,465; Apr. 21; Sp. p. 3686; Dr. p. 773; Gaz. vol. 133; p. 1838.
 Giffin, M. F., Cove, Oreg. Nut-lock. No. 885,466; Apr. 21; Sp. p. 3687; Dr. p. 773; Gaz. vol. 133; p. 1838.
 Gifford, C. H., Attleboro, Mass. Pin and the like. No. 893,237; July 14; Sp. p. 1716; Dr. p. 362; Gaz. vol. 135; p. 310.
 Gifford, H. W. (See Smith, W. H., assignor.)
 Gifford, R. L. (See Nistle and Gifford.)
 Gignilliat, T. H., Savannah, Ga. Aeroplane flying-machine. No. 906,406; Dec. 8; Sp. p. 2507; Gaz. vol. 137; p. 1431.
 Giguere, T. D., assignor to A. M. and E. E. Hale, executors, North Attleboro, Mass. Bracelet. No. 886,121; Apr. 28; Sp. p. 5062; Dr. p. 1062; Gaz. vol. 133; p. 2080.
 Gilbert, A. J., deceased; A. M. Gilbert, executrix, assignor to C. E. Turner, Milwaukee, Wis. Keyboard-cover for type-writers. No. 889,184; May 26; Sp. p. 5780; Dr. p. 1225; Gaz. vol. 134; p. 1023.
 Gilbert, A. M., executrix. (See Gilbert, A. L.)
 Gilbert & Barker Manufacturing Company. (See Barker, J. F., assignor.)
 Gilbert, C. A., Haverhill, Mass. Upper-deflector for shoe-sewing machines. No. 881,569; Mar. 10; Sp. p. 2136; Dr. p. 466; Gaz. vol. 133; p. 388.
 Gilbert, E. L., Walnut Springs, Tex. Hopple. No. 895,627; Aug. 11; Sp. p. 1702; Dr. p. 361; Gaz. vol. 135; p. 1200.
 Gilbert, E. T., Rochester, N. Y. Pipe-cleaner. No. 877,324; Jan. 21; Sp. p. 3379; Dr. p. 732; Gaz. vol. 132; p. 616.
 Gilbert, G. H., Germantown, Pa. Manufacture of hosiery. No. 876,797; Jan. 14; Sp. p. 2248; Dr. p. 494; Gaz. vol. 132; p. 399.
 Gilbert, G. H., New York, N. Y. Means for operating clutches. No. 885,604; Apr. 21; Sp. p. 3968; Dr. p. 828; Gaz. vol. 133; p. 1879.
 Gilbert, H. J., Saginaw, Mich. Bushing. No. 907,988; Dec. 29; Sp. p. 5700; Gaz. vol. 137; p. 2038.
 Gilbert, H. J., Saginaw, Mich. Bushing. No. 907,989; Dec. 29; Sp. p. 5704; Gaz. vol. 137; p. 2038.
 Gilbert, H. J., Saginaw, Mich., assignor to National Wash Board Company, Chicago, Ill. Washboard. No. 878,947; Feb. 11; Sp. p. 2188; Dr. p. 458; Gaz. vol. 132; p. 1227.
 Gilbert, H. J., Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill. Washboard. No. 885,605; Apr. 21; Sp. p. 3970; Dr. p. 828; Gaz. vol. 133; p. 1879.
 Gilbert, H. J., assignor to William B. Mershon and Company, Saginaw, Mich. Driving mechanism. No. 897,826; Sept. 1; Sp. p. 1189; Dr. p. 252; Gaz. vol. 136; p. 189.
 Gilbert, H. S., and W. F. Drake, Pueblo, Colo. Telephone cut-off. No. 899,524; Sept. 29; Sp. p. 4496; Dr. p. 965; Gaz. vol. 136; p. 865.
 Gilbert, J. M., West Somers, N. Y. Dish-washer. No. 898,354; Sept. 8; Sp. p. 2242; Dr. p. 478; Gaz. vol. 136; p. 389.
 Gilbert, J. S., assignor of one-fourth to M. N. Munly, Portland, Oreg. Breast-pump. No. 890,975; June 16; Sp. p. 3644; Dr. p. 794; Gaz. vol. 134; p. 1697.
 Gilbert Mfg. Co. (See Bowers, T. G., assignor.)
 Gilbert, N., Alexandria, Ontario, Canada. Carriage-body. No. 885,744; Apr. 28; Sp. p. 4273; Dr. p. 894; Gaz. vol. 133; p. 1954.
 Gilbert, O. C., San Francisco, Cal. Propeller. No. 875,799; Jan. 7; Sp. p. 234; Dr. pp. 50-1; Gaz. vol. 132; p. 43.
 Gilbert, T. C., and E. J. and J. T. Tabler, Atlanta, Ga.; said Gilbert assignor to L. Wellhouse. Stamp-affixing machine. No. 904,948; Nov. 24; Sp. p. 4982; Gaz. vol. 137; p. 889.
 Gilbert, T. M. (See Hill, J. E., assignor.)
 Gilbert, W. H., Lindsey, Ohio. Belt-clamp. No. 895,361; Aug. 4; Sp. p. 1169; Dr. p. 245; Gaz. vol. 135; p. 1089.
 Gilbert, W. M. (See Hill, J. E., assignor.)
 Gilbert, W. N., assignor to Osgood Scale Company, Binghamton, N. Y. Recording weigh-beam for scales. No. 876,958; Jan. 21; Sp. p. 2617; Dr. p. 568; Gaz. vol. 132; p. 493.
 Gilbough, B. G., Chicago, Ill. Sparking device. No. 875,907; Jan. 7; Sp. p. 434; Dr. pp. 96-7; Gaz. vol. 132; p. 79.
 Gilbreath, W. D., Arapaho, Okla. Attachment for planters. No. 882,379; Mar. 17; Sp. p. 3767; Dr. pp. 803-4; Gaz. vol. 133; p. 679.
 Gilbreth, F. B., assignor to Corrugated Concrete Pile Company of America, New York, N. Y. Means for sinking piles. No. 882,520; Mar. 17; Sp. p. 4032; Dr. p. 859; Gaz. vol. 133; p. 727.
 Gilbreth, F. B., assignor to Corrugated Concrete Pile Company of America, New York, N. Y. Concrete pile. No. 885,337; Apr. 21; Sp. p. 3443; Dr. p. 718; Gaz. vol. 133; p. 1797.
 Gilbreth, F. B., assignor to Corrugated Concrete Pile Company of America, New York, N. Y. Apparatus for sinking concrete piles. No. 890,765; June 16; Sp. p. 3208; Dr. p. 700; Gaz. vol. 134; p. 1629.
 Gilchrist, R. B., Newark, N. J. Corking-machine. No. 899,525; Sept. 29; Sp. p. 4498; Dr. p. 966; Gaz. vol. 136; p. 865.
 Gilcrest, F. O., Kearney, Nebr. Hitching-strap holder. No. 905,171; Dec. 1; Sp. p. 94; Gaz. vol. 137; p. 998.
 Gilcrest, M. E., Mount Sterling, Ky. Rail-joint. No. 898,867; Sept. 15; Sp. p. 3235; Dr. p. 693; Gaz. vol. 136; p. 588.
 Gilcrest, T. F., Des Moines, Iowa. Railway-tie. No. 902,287; Oct. 27; Sp. p. 4629; Dr. p. 941; Gaz. vol. 136; p. 1888.
 Gidard, C. G., Swansea, Mass., assignor to Crompton Company, Providence, R. I. Stop-motion for pile-cutting machines. No. 907,334; Dec. 22; Sp. p. 4308; Gaz. vol. 137; p. 1793.
 Gilday, J. J., Berrina, Victoria, Australia. Air-pump. No. 907,591; Dec. 22; Sp. p. 4838; Gaz. vol. 137; p. 1878.
 Gile, H. C., Oldham, S. D. Grain-shocker for harvesters. No. 893,476; July 14; Sp. p. 2207; Dr. pp. 463-4; Gaz. vol. 135; p. 388.
 Giles, H. S., *et al.* (See Nielsen, R., assignor.)
 Giles, W. F., Chester, Pa., assignor of one-half to F. C. Norris, Detroit, Mich. Binder for compressing fuel. No. 889,518; June 2; Sp. p. 661; Gaz. vol. 134; p. 1163.
 Gillan, W., New Haven, Conn. Combined door check and spring. No. 878,521; Feb. 11; Sp. p. 1339; Dr. p. 271; Gaz. vol. 132; p. 1088.
 Gill, C. W., Erie, Pa. Water-motor. No. 893,238; July 14; Sp. p. 1719; Dr. p. 362; Gaz. vol. 135; p. 310.
 Gill, C. W., Syracuse, N. Y. Seal-lock. No. 907,990; Dec. 29; Sp. p. 5705; Gaz. vol. 137; p. 2039.
 Gill, E. R., Yonkers, N. Y. Selective mechanical operator. No. 906,523; Dec. 15; Sp. p. 2732; Gaz. vol. 137; p. 1496.
 Gili, E. R., Yonkers, N. Y., assignor to Electric Cash Carrier and Change Maker Company. Change-maker. No. 881,854; Mar. 10; Sp. p. 2699; Dr. pp. 578-82; Gaz. vol. 133; p. 480.
 Gill, J., Edinburgh, Scotland. Rotary engine. No. 899,040; Sept. 22; Sp. p. 3553; Dr. p. 761; Gaz. vol. 136; p. 671.
 Gill, M. S. (See Wright and Gill.)
 Gill, S. E. (See Stewart, F. L., assignor.)
 Gill, T. S., assignor of one-half to J. D. Sumner, Dade City, Fla. Churn-dasher. No. 895,399; Aug. 4; Sp. p. 1235; Dr. p. 260; Gaz. vol. 135; p. 1101.
 Gill, W. F., and J. M. Barry, assignors to said J. M. Barry, Brooklyn, N. Y., and R. W. Bell, East Liverpool, Ohio. Advertising device. No. 901,166; Oct. 13; Sp. p. 2275; Dr. p. 463; Gaz. vol. 136; p. 1457.
 Gillar, H., Hoboken, N. J. Washline-hanger. No. 907,777; Dec. 29; Sp. p. 5257; Gaz. vol. 137; p. 1970.
 Gilleland, E. B., assignor to Universal Railway Equipment Company, Jackson, Mich. Car-door. No. 890,562; June 9; Sp. p. 2737; Dr. p. 605; Gaz. vol. 134; p. 1528.
 Gilleland, E. B., assignor of one-half to D. Bolick and J. A. Rosen, Topeka, Kans. Grain-door. No. 891,926; June 30; Sp. p. 5582; Dr. p. 1203; Gaz. vol. 134; p. 2074.
 Gilleland, S. G., Spring Garden, Mo. Baling-press. No. 896,102; Aug. 18; Sp. p. 2642; Dr. p. 571; Gaz. vol. 135; p. 1375.
 Gilleland, S. G., Spring Garden, Mo. Baling-press. No. 898,868; Sept. 15; Sp. p. 3236; Dr. p. 694; Gaz. vol. 136; p. 588.
 Gillen, A. P., Youngstown, Ohio. Casket-handle. No. 881,395; Mar. 10; Sp. p. 1806; Dr. p. 391; Gaz. vol. 133; p. 331.
 Giller, G. L., New York, N. Y. Horseshoe. No. 885,238; Apr. 21; Sp. p. 3243; Dr. p. 677; Gaz. vol. 133; p. 1764.
 Giltner, H. A., Hartford, Conn. Gas-burner. No. 904,772; Nov. 24; Sp. p. 4618; Gaz. vol. 137; p. 830.
 Gillespie, A. G., and W. E. Potter, Chicago, Ill., assignors to American Telephone and Telegraph Company, Boston, Mass. Cable raising or separating device. No. 893,319; July 14; Sp. p. 1874; Dr. p. 393; Gaz. vol. 135; p. 337.
 Gillespie, C. B., Buford, N. D. Stringed musical instrument. No. 906,407; Dec. 8; Sp. p. 2511; Gaz. vol. 137; p. 1432.
 Gillespie, L. F., Newburgh, assignor to Jones & Hardy, Hudson, N. Y. Picker-stick connection for looms. No. 895,252; Aug. 4; Sp. p. 965; Dr. p. 202; Gaz. vol. 135; p. 1054.
 Gillespie, R. T., Bloomfield, N. J. Cleaning-brush. No. 876,540; Jan. 14; Sp. p. 1741; Dr. pp. 378-9; Gaz. vol. 132; p. 316.
 Gillespie, R. T., Bloomfield, N. J. Cleaning-brush. No. 879,043; Feb. 11; Sp. p. 2355; Dr. p. 493; Gaz. vol. 132; p. 1257.
 Gillespie, R. T., Bloomfield, N. J. Adjustable cleaning-brush. No. 879,764; Feb. 18; Sp. p. 3846; Dr. p. 806; Gaz. vol. 132; p. 1533.
 Gillespie, R. T., Bloomfield, N. J. Adjustable cleaning-brush. No. 883,108; Mar. 24; Sp. p. 5185; Dr. p. 1107; Gaz. vol. 133; p. 951.
 Gillespie, R. T., South Orange, N. J. Cleaning-brush. No. 903,186; Nov. 10; Sp. p. 1302; Gaz. vol. 137; p. 243.

Alphabetical list of patentees—Continued.

- Gillett, G. F., San Francisco, Cal. Loose-leaf ledger. No. 881,396; Mar. 10; Sp. p. 1807; Dr. p. 391; Gaz. vol. 133; p. 332.
- Gillette, B. C., New York, N. Y. Dry concentrator. No. 888,156; May 19; Sp. p. 3666; Dr. p. 766; Gaz. vol. 134; p. 655.
- Gillette, C. E., Philadelphia, Pa. Hydraulic valve. No. 886,594; May 5; Sp. p. 501; Dr. p. 107; Gaz. vol. 134; p. 89.
- Gillette, H., Chicago, Ill. Electrically-operated clock. No. 880,209; Feb. 25; Sp. p. 4786; Dr. pp. 1013-14; Gaz. vol. 132; p. 1712.
- Gillette, H. B., and C. W. Dake, Grand Rapids; said Dake assignor to R. G. Peters, Manistee, Mich. Roller-bearing. No. 892,416; July 7; Sp. p. 46; Dr. p. 11; Gaz. vol. 135; p. 11.
- Gillette, J. J. (See Bean, M., assignor.)
- Gillette Safety Razor Company. (See Crichton-Clarke, W. H., assignor.)
- Gillette Safety Razor Company. (See Dunn, C. E., assignor.)
- Gillette Safety Razor Company. (See Nicholls, W. H., assignor.)
- Gillette-Vibber Co. (See Vibber, W. H., assignor.)
- Gilliard, A., Lyon, France. Closure for bottles and other receptacles. No. 833,234; May 19; Sp. p. 3807; Dr. p. 799; Gaz. vol. 134; p. 681.
- Gilligan, B. C., Toledo, Ohio. Glass-mold. No. 892,589; July 7; Sp. p. 373; Dr. p. 82; Gaz. vol. 135; p. 69.
- Gilligan, J. (See Wilson, C. H., assignor.)
- Gilliland, E. T., deceased; L. M. Gilliland and E. W. Crane, executors, assignors to W. F. Burns, New York, N. Y. Receptacle for money. No. 905,811; Dec. 1; Sp. p. 1375; Gaz. vol. 137; p. 1209.
- Gilliland, L. G., Van Wert, Ohio. Card. No. 890,135; June 9; Sp. p. 1881; Dr. p. 416; Gaz. vol. 134; p. 1390.
- Gilliland, L. M., *et al.*, executors. (See Gilliland, E. T.)
- Gilliland, L. O., *et al.* (See Sharpnuck, F. A., assignor.)
- Gilling, P. E., Camden, N. J., assignor to Novelty Electric Company, Philadelphia, Pa. Electrical connector. No. 905,812; Dec. 1; Sp. p. 1376; Gaz. vol. 137; p. 1209.
- Gillis, J. B., Eden, Md. Spike-puller. No. 882,380; Mar. 17; Sp. p. 3769; Dr. p. 804; Gaz. vol. 133; p. 680.
- Gillmor, H. G., Bath, Me. Means of forming electrically-bonded rail-joints. No. 880,788; Mar. 3; Sp. p. 602; Dr. p. 128; Gaz. vol. 133; p. 104.
- Gillmor, H. G., Bath, Me. Means of forming joints in electrical conductors. No. 880,789; Mar. 3; Sp. p. 604; Dr. p. 128; Gaz. vol. 133; p. 105.
- Gillmor, H. G., Bath, Me. Rail-joint. No. 889,454; June 2; Sp. p. 527; Dr. p. 123; Gaz. vol. 134; p. 1143.
- Gillmor, H. G., Bath, Me. Means of forming joints and bonds in rails. No. 898,869; Sept. 15; Sp. p. 3239; Dr. p. 674; Gaz. vol. 136; p. 589.
- Gillmor, H. G., Bath, and A. W. Sweet, Durham, Me.; said Sweet assignor to said Gillmor. Rotary motor. No. 884,812; Apr. 14; Sp. p. 2353; Dr. p. 495; Gaz. vol. 133; p. 1595.
- Gillon, C., Mapleton, Minn. Hay-rack. No. 897,363; Sept. 1; Sp. p. 249; Dr. pp. 51-2; Gaz. vol. 136; p. 37.
- Gillum, B. S., Stahl, Mo. Rail-joint. No. 895,253; Aug. 4; Sp. p. 967; Dr. p. 203; Gaz. vol. 135; p. 1054.
- Gillum, B. S., Stahl, Mo. Truck. No. 901,532; Oct. 20; Sp. p. 3081; Dr. pp. 629-30; Gaz. vol. 136; p. 1615.
- Gilman, E. R., *et al.* (See Reynolds, H. S., assignor.)
- Gilman, F. L., Eugene, Oreg. Hedge-trimmer. No. 902,529; Oct. 27; Sp. p. 5184; Dr. p. 1048; Gaz. vol. 136; p. 1971.
- Gilman, G. E., West Newbury, Mass. Curtain-fixture for open cars. No. 884,480; Apr. 14; Sp. p. 1643; Dr. p. 353; Gaz. vol. 133; p. 1484.
- Gilman, G. H., St. Paul, Minn. Grain-door for cars. No. 882,308; Mar. 17; Sp. p. 3646; Dr. p. 773; Gaz. vol. 133; p. 656.
- Gilman, G. H., assignor to Sullivan Machinery Company, Claremont, N. H. Fluid-pressure-engine-operated tool. No. 902,288; Oct. 27; Sp. p. 4631; Dr. p. 941; Gaz. vol. 136; p. 1889.
- Gilman, G. H., and H. M. Robertson, St. Paul, Minn. Lifting-jack. No. 900,720; Oct. 13; Sp. p. 1390; Dr. p. 283; Gaz. vol. 136; p. 1313.
- Gilman, J. H., assignor to King & Hamilton Company, Ottawa, Ill. Conveying apparatus. No. 878,721; Feb. 11; Sp. p. 1763; Dr. p. 364; Gaz. vol. 132; p. 1156.
- Gilman, J. H., assignor to King & Hamilton Company, Ottawa, Ill. Flexible spout. No. 883,109; Mar. 24; Sp. p. 5188; Dr. pp. 1107-8; Gaz. vol. 133; p. 951.
- Gilman, J. L., assignor of one-third to T. L. Strawn and W. E. Whitacre, Boulder, Colo. Method of and means for making mortise-joints. No. 882,001; Mar. 17; Sp. p. 3051; Dr. p. 649; Gaz. vol. 133; p. 528.
- Gilman, J. P., Riceville, Iowa. Moistener. No. 877,498; Jan. 28; Sp. p. 3720; Dr. p. 805; Gaz. vol. 132; p. 693.
- Gilman, J. W. C., Boston, Mass. Writing-book. No. 902,959; Nov. 3; Sp. p. 857; Gaz. vol. 137; p. 142.
- Gilman, W. E., Haverhill, Mass. Shoe. No. 888,994; May 26; Sp. p. 5390; Dr. p. 1144; Gaz. vol. 134; p. 962.
- Gilman, W. H., Medford, assignor to International Telemeter Company, Boston, Mass. Signaling mechanism. No. 893,993; July 21; Sp. p. 3376; Dr. pp. 690-1; Gaz. vol. 135; p. 589.
- Gilmartin, M. W., U. S. Navy, assignor to E. W. Bliss Company, Brooklyn, N. Y. Explosive shell. No. 890,900; June 16; Sp. p. 3459; Dr. p. 758; Gaz. vol. 134; p. 1671.
- Gilmer, J. T., Pensacola, Fla., assignor of one-half to G. U. Harris, New Orleans, La. Sap or gum extractor. No. 907,778; Dec. 29; Sp. p. 5258; Gaz. vol. 137; p. 1970.
- Gilmore, C. B. (See Vredenburg and Gilmore.)
- Gilmore, C. T., Chicago, Ill. Shirt-ironing machine. No. 894,266; July 28; Sp. p. 3963; Dr. pp. 816-17; Gaz. vol. 135; p. 699.
- Gilmore, E. L., assignor of one-half to D. F. Anderson, Youngstown, Ohio. Fish-hook. No. 886,794; May 5; Sp. p. 953; Dr. p. 199; Gaz. vol. 134; p. 155.
- Gilmore, H. B., *et al.* (See Betts, L. F., assignor.)
- Gilmore, I. F., Bloomington, Ill. Musical instrument. No. 903,968; Nov. 17; Sp. p. 2912; Gaz. vol. 137; p. 531.
- Gilmore, J. W., New York, N. Y., assignor to Crouch & Fitzgerald. Receptacle and hanger for clothing. No. 890,136; June 9; Sp. p. 1882; Dr. pp. 416-17; Gaz. vol. 134; p. 1390.
- Gilmore, T. J., Jr., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Controller-operating means. No. 891,834; June 30; Sp. p. 5407; Dr. p. 1169; Gaz. vol. 134; p. 2044.
- Gilmore, W. J. (See Heckman, J. C., assignor.)
- Gilmore, W. S., New York, N. Y. Hanger-rack receptacle for clothing. No. 883,713; Apr. 7; Sp. p. 72; Dr. p. 11; Gaz. vol. 133; p. 1204.
- Gilmour, J. P., Terre Haute, Ind. Coal-mining machine. No. 895,449; Aug. 11; Sp. p. 1348; Dr. p. 284; Gaz. vol. 135; p. 1141.
- Gilpin, C. D., assignor to Electric Controller and Supply Company, Cleveland, Ohio. Motor-control system. No. 895,400; Aug. 4; Sp. p. 1236; Dr. pp. 260-1; Gaz. vol. 135; p. 1101.
- Gilroy, F. J., Buffalo, N. Y. Tie-tamper. No. 900,721; Oct. 13; Sp. p. 1392; Dr. p. 283; Gaz. vol. 136; p. 1314.
- Gilroy, J. J., Lost Creek, Pa. Power-transmitting mechanism. No. 898,870; Sept. 15; Sp. p. 3246; Dr. p. 675; Gaz. vol. 136; p. 500.
- Gilsen, W. J. (See Pommerer, R. W., assignor.)
- Gilson, D. E., Coalinga, Cal. Drill-sharpener. No. 902,146; Oct. 27; Sp. p. 4335; Dr. p. 878; Gaz. vol. 136; p. 1843.
- Gilson, E. G., Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. No. 894,625; July 28; Sp. p. 4691; Dr. p. 974; Gaz. vol. 135; p. 818.
- Gilson, J., assignor to Gilson Manufacturing Company, Port Washington, Wis. Friction clutch-pulley. No. 875,800; Jan. 7; Sp. p. 237; Dr. p. 51; Gaz. vol. 132; p. 44.
- Gilson, J. E., assignor to Gilson Manufacturing Company, Port Washington, Wis. Air-cooling apparatus for explosive-engines. No. 875,991; Jan. 7; Sp. p. 595; Dr. p. 127; Gaz. vol. 132; p. 104.
- Gilson, J. E., assignor to Gilson Manufacturing Company, Port Washington, Wis. Controller for gasoline-engines. No. 890,270; June 9; Sp. p. 2195; Dr. p. 482; Gaz. vol. 134; p. 1434.
- Gilson Manufacturing Company. (See Gilson, J., assignor.)
- Gilson Manufacturing Company. (See Gilson, J. E., assignor.)
- Gilson Manufacturing Company. (See Travers, C. J., assignor.) (Reissue.)
- Gilstrap, T. J., *et al.* (See Linton, A. E., assignor.)
- Gimbut, A., Chicago, Ill. Nailless horseshoe. No. 905,690; Dec. 1; Sp. p. 1144; Gaz. vol. 137; p. 1169.
- Gimonet, A. (See Utard and Gimonet.)
- Gimson & Company (Leicester). (See O'Donnell, J. W., assignor.)
- Gin, G., Paris, France. Construction of induction electric furnaces. No. 875,801; Jan. 7; Sp. p. 239; Dr. p. 51; Gaz. vol. 132; p. 44.
- Ginaca, H. G., assignor of two-fifths to A. Gartenberg, Honolulu, Hawaii. Harvesting sugar-cane. No. 883,537; Mar. 31; Sp. p. 6108; Dr. p. 1299; Gaz. vol. 133; p. 1120.
- Gingras, E. F., Buffalo, N. Y. Belt-dressing brush-bar. No. 907,335; Dec. 22; Sp. p. 4312; Gaz. vol. 137; p. 1793.
- Ginn, L. H., Atlanta, Ga., assignor of one-half to Clayton & Bentley Co. Planer-chuck. No. 882,943; Mar. 24; Sp. p. 4889; Dr. p. 1037; Gaz. vol. 133; p. 899.
- Ginn, R. J. (See Hall, J. R., assignor.)
- Ginnel, H., Garden City, N. Y. Bow for watches. No. 907,779; Dec. 29; Sp. p. 5260; Gaz. vol. 137; p. 1970.
- Gintert, G. J., Shellsburg, Iowa. Gate. No. 904,862; Nov. 24; Sp. p. 4816; Gaz. vol. 137; p. 861.
- Giorgi, C. T., Florence, Italy. Gas-igniter. No. 881,235; Mar. 10; Sp. p. 1487; Dr. p. 320; Gaz. vol. 133; p. 280.
- Giovanna, G., New York, N. Y. Apparatus for preparing extracts. No. 881,570; Mar. 10; Sp. p. 2138; Dr. p. 467; Gaz. vol. 133; p. 389.
- Giovanna, G., New York, N. Y. Apparatus for broiling meats and the like. No. 902,724; Nov. 3; Sp. p. 385; Gaz. vol. 137; p. 66.

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- Giovannoni, E. U., New York, N. Y. Electric awning-operator. No. 888,157; May 19; Sp. p. 3671; Dr. p. 767; Gaz. vol. 134; p. 656.
- Girard, A. L., Lincoln, Nebr. Brace for bicycle-frames. No. 879,458; Feb. 18; Sp. p. 3225; Dr. p. 671; Gaz. vol. 132; p. 1433.
- Girard, C., Paris, France. Explosive. No. 895,254; Aug. 4; Sp. p. 969; Gaz. vol. 135; p. 1055.
- Girard Manufacturing Company. (See Mitchell, C. T., assignor.)
- Girard, W. J., Quebec, Quebec, Canada. Track-fastening and tie. No. 905,867; Dec. 8; Sp. p. 1496; Gaz. vol. 137; p. 1258.
- Girardot, L., Puteaux, France. Flexible and elastic shaft-coupling. No. 893,794; July 21; Sp. p. 2952; Dr. p. 603; Gaz. vol. 135; p. 524.
- Girot, J., Laeken, Belgium. Machine for forging and welding metallic rings. No. 876,709; Jan. 14; Sp. p. 2106; Dr. p. 458; Gaz. vol. 132; p. 373.
- Giroud, P., Ugine, France. Electric furnace. No. 885,745; Apr. 28; Sp. p. 4275; Dr. p. 894; Gaz. vol. 133; p. 1955.
- Giron, P., Paris, France. Apparatus for charging siphons with carbonic acid. No. 885,467; Apr. 21; Sp. p. 3688; Dr. p. 773; Gaz. vol. 133; p. 1838.
- Giron, P., Paris, France. Capsule intended to contain compressed gases. No. 903,134; Nov. 3; Sp. p. 1198; Gaz. vol. 137; p. 196.
- Girouard, D., Leominster, Mass. Urinary apparatus. No. 895,852; Aug. 11; Sp. p. 2162; Dr. p. 459; Gaz. vol. 135; p. 1272.
- Giroud, F., New York, N. Y. Packaging-machine. No. 890,976; June 16; Sp. p. 3645; Dr. pp. 794-6; Gaz. vol. 134; p. 1697.
- Giroud, P. G., New York, N. Y. Skirt-supporter. No. 898,640; Sept. 15; Sp. p. 2830; Dr. p. 603; Gaz. vol. 136; p. 515.
- Giseke, H. A., Omaha, Nebr. Chemical fire-extinguisher. No. 907,029; Dec. 15; Sp. p. 3678; Gaz. vol. 137; p. 1655.
- Gish, J. L., South Bend, Ind. Regulated automatic-closing valve. No. 892,987; July 14; Sp. p. 1235; Dr. p. 257; Gaz. vol. 135; p. 230.
- Gitt, G. N., Hanover, Pa. Glove. No. 888,009; May 19; Sp. p. 3397; Dr. p. 714; Gaz. vol. 134; p. 610.
- Gittings, W. G. (See Stannard, E. M., assignor.)
- Giuliani, B. G., *et al.* (See Rosati, T., assignor.)
- Giulietti, E., Genoa, Italy. Scene-shifting device. No. 879,820; Feb. 18; Sp. p. 3959; Dr. pp. 828-9; Gaz. vol. 132; p. 1552.
- Giulietti, E., Milan, Italy. Scene-shifting device. No. 883,193; Mar. 31; Sp. p. 5379; Dr. pp. 1145-6; Gaz. vol. 133; p. 1009.
- Givans, B. H. (See Chidister, S. E., assignor.)
- Givens, R. J., Enterprise, Idaho. Fruit-jar opener. No. 894,626; July 28; Sp. p. 4692; Dr. p. 974; Gaz. vol. 135; p. 818.
- Gizinsky, C. Von, and W. McClure, Schenectady, N. Y. Electric railway. No. 889,277; June 2; Sp. p. 165; Dr. pp. 40-1; Gaz. vol. 134; p. 1085.
- Gladding, S. E., Jersey City, N. J. Fishing apparatus. No. 879,863; Feb. 25; Sp. p. 4083; Dr. p. 856; Gaz. vol. 132; p. 1599.
- Gladding, S. E., Jersey City, N. J. Padlock attachment. No. 890,520; Mar. 3; Sp. p. 55; Dr. p. 13; Gaz. vol. 133; p. 13.
- Gladish, J. P., *et al.* (See King, J. R., assignor.)
- Glaentzer, A. L., New York, N. Y. Lamp. No. 878,376; Feb. 4; Sp. p. 973; Dr. pp. 195-6; Gaz. vol. 132; p. 1007.
- Glancey, P. J., Scranton, Pa. Railway-switch-operating mechanism. No. 894,320; July 28; Sp. p. 4075; Dr. pp. 841-2; Gaz. vol. 135; p. 718.
- Glardon, E. C., Hamburg, Germany. Joint-binder. No. 879,097; Feb. 11; Sp. p. 2477; Dr. p. 516; Gaz. vol. 132; p. 1273.
- Glas, F., assignor to himself and E. B. Towl, South Omaha, Nebr. Machine for cleaning intestines. No. 876,344; Jan. 14; Sp. p. 1307; Dr. p. 282; Gaz. vol. 132; p. 248.
- Glascock, E., Washington, D. C., assignor, by mesne assignments, to Farm Motor Company. Traction-wheel. No. 883,010; Mar. 24; Sp. p. 5005; Dr. p. 1065; Gaz. vol. 133; p. 919.
- Glascock, B. D. (See Glascock, J. W. and B. D.)
- Glascock, J. W. and B. D., Muncie, Ind. Vehicle. No. 892,824; July 7; Sp. p. 851; Dr. p. 181; Gaz. vol. 135; p. 145.
- Glaser, A. F., Jersey City, and J. Olsen, Whippany, assignors of one-third to G. W. Crane, Rahway, N. J. Transmission mechanism. No. 899,526; Sept. 29; Sp. p. 4505; Dr. pp. 966-7; Gaz. vol. 136; p. 866.
- Glaser, J. B. (See Bagby, M. M., assignor.)
- Glaser, R. (See Schuler and Glaser.)
- Glazier, J. J. (See Glaser and Glazier.)
- Glaser, A. H., *et al.* (See Sieben, H., assignor.)
- Glaser, F. P., and J. J. Glazier, Springfield, S. D. Computing-machine. No. 901,092; Oct. 13; Sp. p. 2146; Dr. pp. 438-9; Gaz. vol. 136; p. 1433.
- Glass, G. H., and G. A. Vint, Pekin, Ill. Wire clamp or grip. No. 904,863; Nov. 24; Sp. p. 4817; Gaz. vol. 137; p. 862.
- Glass, G., Chicago, Ill. Music-box. No. 895,450; Aug. 11; Sp. p. 1350; Dr. pp. 284-5; Gaz. vol. 135; p. 1141.
- Glass, J. M., Pittsburg, Pa. Revolving book-support. No. 888,158; May 19; Sp. p. 3673; Dr. p. 767; Gaz. vol. 134; p. 656.
- Glass, P. R. (See Purinton, F. G., assignor.)
- Glass, P. R., Quincy, Mass. Eyelet. No. 889,455; June 2; Sp. p. 530; Dr. p. 124; Gaz. vol. 134; p. 1143.
- Glass, P. R., Quincy, assignor, by mesne assignments, to T. G. Plant, Boston, Mass. Tack or nail driving device. No. 888,485; May 26; Sp. p. 4327; Dr. pp. 915-16; Gaz. vol. 134; p. 793.
- Glass, P. R., assignor to P. R. Glass Company, Boston, Mass. Cement-applying mechanism. No. 896,986; Aug. 25; Sp. p. 4464; Dr. p. 954; Gaz. vol. 135; p. 1685.
- Glass, P. R., Quincy, and W. Z. Bean, West Medford, Mass., assignors, by mesne assignments, to Peerless Machinery Company. Eye-letting-machine. No. 905,124; Nov. 24; Sp. p. 5329; Gaz. vol. 137; p. 949.
- Glass, R. (See Coe and Glass.)
- Glassbrook, C. I. (See Card, Bosco, and Glassbrook.)
- Glasscock, M., Webb City, Mo. Top-holder. No. 886,595; May 5; Sp. p. 503; Dr. p. 108; Gaz. vol. 134; p. 90.
- Glasspoole, C. E., St. Paul, Minn. Culvert. No. 901,702; Oct. 20; Sp. p. 3461; Dr. p. 701; Gaz. vol. 136; p. 1672.
- Glasspoole, C. E., St. Paul, Minn. Culvert. No. 901,703; Oct. 20; Sp. p. 3462; Dr. pp. 701-2; Gaz. vol. 136; p. 1672.
- Glauber, J. H., Cleveland, Ohio. Waste and vent cock. No. 896,208; Aug. 18; Sp. p. 2821; Dr. p. 608; Gaz. vol. 135; p. 1407.
- Glauber, J. H., Cleveland, Ohio. Gasket and vent cock. No. 897,864; Sept. 1; Sp. p. 251; Dr. p. 52; Gaz. vol. 136; p. 37.
- Glaus, G., Milwaukee, Wis. Box-cover fastener. No. 884,481; Apr. 14; Sp. p. 1644; Dr. p. 353; Gaz. vol. 133; p. 1485.
- Gleason, D. E. (See Tolmie, G., assignor.)
- Gleason, E. D., Moores, Pa., assignor to Victor Talking Machine Company. Sound-box. No. 896,006; Aug. 11; Sp. p. 2463; Dr. p. 530; Gaz. vol. 135; p. 1322.
- Gleason, E. D., Moores, Pa., assignor to Victor Talking Machine Company. Sound-box for talking-machines. No. 896,007; Aug. 11; Sp. p. 2466; Dr. p. 531; Gaz. vol. 135; p. 1322.
- Gleason, E. D., Moores, Pa., assignor to Victor Talking Machine Company. Sound-box. No. 896,008; Aug. 11; Sp. p. 2468; Dr. p. 531; Gaz. vol. 135; p. 1323.
- Gleason, E. D., Moores, Pa., assignor to Victor Talking Machine Company. Sound-box for talking-machines. No. 896,009; Aug. 11; Sp. p. 2471; Dr. p. 531; Gaz. vol. 135; p. 1323.
- Gleason, W. (See Singleton and Gleason.)
- Gleissner, W. E., Abilene, Kans. Brazing. No. 883,011; Mar. 24; Sp. p. 5008; Gaz. vol. 133; p. 919.
- Glenck, W., Newark, N. J. Fire-alarm. No. 880,521; Mar. 3; Sp. p. 56; Dr. p. 13; Gaz. vol. 133; p. 13.
- Glendinning, A. H. (See Sefton and Glendinning.)
- Glenister, G. W. (See Glenister, J. E. and G. W.)
- Glenister, J. E. and G. W., London, England. Wick for wax matches, tapers, candles, and the like. No. 908,242; Dec. 29; Sp. p. 6245; Gaz. vol. 137; p. 2124.
- Glenk, W., Nuremberg, Germany. Means for supplying fuel to stoves. No. 888,324; May 19; Sp. p. 3971; Dr. p. 836; Gaz. vol. 134; p. 710.
- Glenn, C. E., Evans City, Pa. Dump-wagon. No. 898,871; Sept. 15; Sp. p. 3248; Dr. p. 695; Gaz. vol. 136; p. 580.
- Glenn, D., San Antonio, Tex. Wire-working tool. No. 896,010; Aug. 11; Sp. p. 2474; Dr. p. 532; Gaz. vol. 135; p. 1323.
- Glenn, G. G., Gastonia, N. C. Machine for reshaping bottle-caps. No. 882,060; Mar. 17; Sp. p. 3170; Dr. p. 674; Gaz. vol. 133; p. 576.
- Glennon, J. J., Uniontown, Pa., assignor to American Brake Shoe & Foundry Company, Jersey City, N. J. Brake-shoe. No. 907,880; Dec. 29; Sp. p. 5262; Gaz. vol. 137; p. 1971.
- Glens Falls Machine Works. (See Tromblee, A., assignor.)
- Glezen, D. R., Center Lisle, N. Y. Cutter-bar for mowers, &c. No. 889,675; June 2; Sp. p. 960; Dr. pp. 221-2; Gaz. vol. 134; p. 1212.
- Glick, I. M. and W. J., near Bridgewater, Va. Harrow. No. 904,864; Nov. 24; Sp. p. 4818; Gaz. vol. 137; p. 802.
- Glick, N., Sylvan Grove, Kans. Grain-pitching attachment for threshers. No. 907,030; Dec. 15; Sp. p. 3679; Gaz. vol. 137; p. 1656.
- Glick, W. J. (See Glick, I. M. and W. J.)
- Glidden, C. E., Sisson, Cal. Plug-driver. No. 886,364; May 5; Sp. p. 43; Dr. p. 9; Gaz. vol. 134; p. 11.
- Glidden, O. F., Grand Rapids, Mich. Supply-valve for flush-tanks. No. 899,486; Sept. 22; Sp. p. 4407; Dr. p. 946; Gaz. vol. 136; p. 816.
- Glidden, O. F., assignor to Wolverine Brass Works, Grand Rapids, Mich. Pipe-wrench. No. 894,627; July 28; Sp. p. 4693; Dr. p. 974; Gaz. vol. 135; p. 818.
- Glidden, S. C., Danville, Ill. Hook and eye. No. 897,083; Aug. 25; Sp. p. 4658; Dr. p. 992; Gaz. vol. 135; p. 1718.
- Gidding Boat Company of America. (See Motheral, W. B., assignor.)
- Glines, E. C. (See Phelps and Glines.)
- Glines, E. C., assignor to I. E. Glines, Providence, R. I. Dropper. No. 903,467; Nov. 10; Sp. p. 1865; Gaz. vol. 137; p. 337.
- Glines, I. E. (See Glines, E. C., assignor.)
- Glisch, J. (See Gates, J. P., assignor.)

Alphabetical list of patentees—Continued.

- Globe Automatic Sprinkler Company. (See Garrett, C. B., assignor.)
 Globe Fire Apparatus Company. (See Harland, W. A., assignor.)
 Globe Iron Works Co. (See Watkins, F. E., assignor.)
 Globe Machine & Stopper Company. (See Strebel, L., assignor.)
 Globe Manufacturing Company. (See Anderson, A., assignor.)
 Globe Screw Company. (See Allen, W. G., assignor.)
 Globe Ticket Company. (See Snow, P. C., assignor.)
 Globe-Wernicke Company. (See Blaine, J. E., Jr., assignor.)
 Globe-Wernicke Company. (See Kroeger, G. F., assignor.)
 Globe-Wernicke Company. (See Senge, L., assignor.)
 Globe-Wernicke Company. (See Vosmer, G. W., assignor.)
 Glock, E. F. (See Taylor, C. W., assignor.)
 Glock, E. F. (See Thomas, A., assignor.)
 Glock, E. F., Detroit, Mich. Edge-protector for concrete. No. 893,320; July 14; Sp. p. 1877; Dr. p. 393; Gaz. vol. 135; p. 338.
 Glocker, W. H., and W. M. White, Philadelphia, Pa. Governor. No. 878,377; Feb. 4; Sp. p. 975; Dr. p. 196; Gaz. vol. 132; p. 1008.
 Gloekler, J. E., Pittsburgh, Pa. Gravity-hinge. No. 903,704; Nov. 10; Sp. p. 2343; Gaz. vol. 137; p. 412.
 Gloner, C. E., Carnegie, Pa. Spike-puller. No. 882,210; Feb. 25; Sp. p. 4790; Dr. p. 1014; Gaz. vol. 132; p. 1713.
 Glore, J. P., Atlanta, Ga. Type-writer attachment. No. 888,159; May 19; Sp. p. 3674; Dr. p. 767; Gaz. vol. 134; p. 656.
 Glossop, G. R. (See Acker and Glossop.)
 Glover, C., New Britain, Conn. Plating-machine. No. 892,417; July 7; Sp. p. 49; Dr. p. 12; Gaz. vol. 135; p. 12.
 Glover, E. S., Chicago, Ill. Percolator. No. 885,037; Apr. 21; Sp. p. 2802; Dr. p. 593; Gaz. vol. 133; p. 1698.
 Glover, J., Stubenville, Ohio. Column-step. No. 900,517; Oct. 6; Sp. p. 965; Dr. p. 195; Gaz. vol. 136; p. 1219.
 Glover, J. S., Minnick, Tenn. Cotton-picker. No. 885,606; Apr. 21; Sp. p. 3971; Dr. pp. 828-9; Gaz. vol. 133; p. 1879.
 Glover, S. (See Young and Glover.)
 Glover, W. T., Petersburg, Va. Seed-peanut-hulling apparatus. No. 907,031; Dec. 15; Sp. p. 3681; Gaz. vol. 137; p. 1656.
 Glow Light Company. (See White and Stover, assignors.)
 Gloystein, C. F., Henderson, Ky. Manufacture of concentrated tobacco extract. No. 899,865; Sept. 29; Sp. p. 5232; Dr. p. 1118; Gaz. vol. 136; p. 977.
 Gluchowski, G. M., Baltimore, Md. Cuff-fastener. No. 890,977; June 16; Sp. p. 3653; Dr. p. 797; Gaz. vol. 134; p. 1698.
 Gminder, E., Reutlingen, Germany. Nail driving and clenching machine. No. 908,243; Dec. 29; Sp. p. 6245; Gaz. vol. 137; p. 2124.
 Gnaegy, A., Chester, Ill. Propeller. No. 885,038; Apr. 21; Sp. p. 2803; Dr. p. 593; Gaz. vol. 133; p. 1698.
 Gnagy, S., Strasburg, Ohio. Hub-attaching device. No. 878,200; Feb. 4; Sp. p. 637; Dr. p. 130; Gaz. vol. 132; p. 949.
 Gobbe, E., Jumet, Belgium. Apparatus for the manufacture of plate-glass. No. 887,623; May 12; Sp. p. 2614; Dr. p. 551; Gaz. vol. 134; p. 451.
 Gobbe, E., Jumet, Belgium. Recuperator for heating air and gases. No. 907,336; Dec. 22; Sp. p. 4313; Gaz. vol. 137; p. 1794.
 Gobbi, E., Paris, France. Apparatus for filtering liquids and fluids. No. 893,070; July 14; Sp. p. 1386; Dr. p. 293; Gaz. vol. 135; p. 257.
 Gobbi, C., Beavertown, Ohio. Lifting-jack. No. 897,827; Sept. 1; Sp. p. 1192; Dr. pp. 252-3; Gaz. vol. 136; p. 189.
 Goble, J. F. S., New Albion, Iowa. Gate. No. 880,295; Feb. 25; Sp. p. 4968; Dr. p. 1048; Gaz. vol. 132; p. 1742.
 Gocher, J. W., Johnston, Pa. Coke-oven construction. No. 885,468; Apr. 21; Sp. p. 3689; Dr. pp. 773-4; Gaz. vol. 133; p. 1838.
 Godbey, T. K., Waldo, Fla. System irrigation and sprinkler. No. 890,044; June 9; Sp. p. 1712; Dr. p. 379; Gaz. vol. 134; p. 1360.
 Goddard, A. C., assignor to J. F. Blanchard Co., New York, N. Y. Fastening device. No. 903,079; Nov. 3; Sp. p. 1101; Gaz. vol. 137; p. 179.
 Goddard, A. C., assignor to J. F. Blanchard Co., New York, N. Y. Window. No. 903,706; Nov. 10; Sp. p. 2345; Gaz. vol. 137; p. 412.
 Goddard, A. C., assignor to J. F. Blanchard Co., New York, N. Y. Molding-fastening. No. 906,218; Dec. 8; Sp. p. 2171; Gaz. vol. 137; p. 1371.
 Goddard, A. L., Rockford, Ill. Metal-working tool. No. 893,071; July 14; Sp. p. 1388; Dr. p. 294; Gaz. vol. 135; p. 257.
 Goddard, C. H. (See Roberts and Goddard.)
 Goddard, C. H., Winthrop, Mass. Strip-delivering device. No. 893,477; July 14; Sp. p. 2210; Dr. p. 464; Gaz. vol. 135; p. 389.
 Goddard, H., Canton, Ohio. Casting-tool. No. 882,461; Mar. 17; Sp. p. 3905; Dr. p. 835; Gaz. vol. 133; p. 706.
 Goddard, H. A., Concord, near Sydney, New South Wales, Australia. Apparatus for constructing a hollow wall. No. 895,255; Aug. 4; Sp. p. 972; Dr. p. 203; Gaz. vol. 135; p. 1055.
 Goddard, J., assignor to Seneca Camera Manufacturing Company, Rochester, N. Y. Camera. No. 897,733; Sept. 1; Sp. p. 994; Dr. pp. 211-12; Gaz. vol. 136; p. 160.
 Goddard, J., assignor to Seneca Camera Manufacturing Company, Rochester, N. Y. Photographic-printing frame. No. 907,592; Dec. 22; Sp. p. 4839; Gaz. vol. 137; p. 1879.
 Goddard, W. H., Creston, Iowa. Folding crate. No. 891,927; June 30; Sp. p. 5585; Dr. p. 1204; Gaz. vol. 134; p. 2075.
 Goddard, W. T., Victor, N. Y., assignor, by mesne assignments, to Garton-Daniels Company, Keokuk, Iowa. Lightning-arrester. No. 882,673; Mar. 24; Sp. p. 4340; Dr. p. 923; Gaz. vol. 133; p. 810.
 Goddard, W. T., and J. S. Lapp, assignors to Locke Insulator Manufacturing Company, Victor, N. Y. Insulator. No. 883,397; Mar. 31; Sp. p. 5818; Dr. p. 1240; Gaz. vol. 133; p. 1076.
 Goddu, G. (See Eaton and Goddu.)
 Goddu, G., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-attaching apparatus. No. 896,293; Aug. 18; Sp. p. 3009; Dr. pp. 647-8; Gaz. vol. 135; p. 1436.
 Goddu, G., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for driving loose nails. No. 898,573; Sept. 15; Sp. p. 2687; Dr. pp. 514-15; Gaz. vol. 136; p. 494.
 Godefröid, A., Berlin, Germany. Cash-register. No. 880,653; Mar. 3; Sp. p. 333; Dr. p. 72; Gaz. vol. 133; p. 58.
 Godfrey, G. M., Carrollton, Miss. Cork-extractor. No. 878,722; Feb. 11; Sp. p. 1764; Dr. p. 364; Gaz. vol. 132; p. 1156.
 Godfrey, J., assignor to Compressed Paper Box Co., Bridgeport, Conn. Pasteboard-box. No. 879,865; Feb. 25; Sp. p. 4085; Dr. p. 856; Gaz. vol. 132; p. 1599.
 Godfrey, R. W., Oberlin, Ohio. Gas-engine starter. No. 900,518; Oct. 6; Sp. p. 966; Dr. p. 196; Gaz. vol. 136; p. 1219.
 Godley, B. J., Romulus, N. Y. Means for tilling fields. No. 899,215; Sept. 22; Sp. p. 3900; Dr. p. 833; Gaz. vol. 136; p. 730.
 Godley, E., Springfield, Ill. Brake-setting device. (Reissue.) No. 12,780; Apr. 21; Sp. p. 4181; Dr. p. 875; Gaz. vol. 133; p. 1913.
 Godley, G. F., Philadelphia, Pa. Journal-box guard or closure. No. 887,787; May 19; Sp. p. 2955; Dr. p. 621; Gaz. vol. 134; p. 536.
 Godley, G. F., Philadelphia, Pa. Lubricator. No. 891,928; June 30; Sp. p. 5587; Dr. p. 1204; Gaz. vol. 134; p. 2075.
 Godman, E. J., Jersey City, N. J., assignor to Sterling Seal Company, New York, N. Y. Bottle-sealing cap. No. 888,995; May 26; Sp. p. 5391; Dr. p. 1145; Gaz. vol. 134; p. 962.
 Godman, E. J., Jersey City, N. J., assignor to Sterling Seal Company, New York, N. Y. Machine for sealing bottles. No. 892,988; July 14; Sp. p. 1236; Dr. pp. 257-8; Gaz. vol. 135; p. 230.
 Godson, R. S., Paignton England. Means for plugging the outlet-pipes of cisterns. No. 905,172; Dec. 1; Sp. p. 96; Gaz. vol. 137; p. 999.
 Goebler, H. A., Connersville, Ind. Advertising device. No. 895,085; Aug. 4; Sp. p. 614; Dr. p. 128; Gaz. vol. 135; p. 997.
 Goehle, P. E., Sr., assignor to one-half to J. Killackey, Sault Ste. Marie, Mich. Mop-wringer. No. 885,607; Apr. 21; Sp. p. 3972; Dr. p. 829; Gaz. vol. 133; p. 1880.
 Goehle, P. E., Sr., assignor to one-half to R. G. Furgerson, Sault Ste. Marie, Mich. Gage. No. 893,478; July 14; Sp. p. 2211; Dr. p. 464; Gaz. vol. 135; p. 389.
 Goehring, C. L., and W. Troche, Akron, Ohio; said Troche assignor to said Goehring. Glass-grinding machinery. No. 893,795; July 21; Sp. p. 2953; Dr. pp. 603-6; Gaz. vol. 135; p. 524.
 Goehst, J. H., Chicago, Ill. Implement for removing insulating-covering from electric-circuit wires. No. 880,790; Mar. 3; Sp. p. 607; Dr. p. 129; Gaz. vol. 133; p. 105.
 Goehst, J. H., Chicago, Ill. Electric-light fixture. No. 902,960; Nov. 3; Sp. p. 860; Gaz. vol. 137; p. 143.
 Goepfinger, J., Youngstown, and H. Wagner, Cincinnati, Ohio. Rendering and drying plant. No. 896,720; Aug. 25; Sp. p. 3359; Dr. p. 834-5; Gaz. vol. 135; p. 1595.
 Goerdes, F. W., Newark, N. J. Pin-joint. No. 891,686; June 23; Sp. p. 5099; Dr. p. 1100; Gaz. vol. 134; p. 1963.
 Goerdes, F. W., assignor to C. H. Wright, Newark, N. J., and F. A. Russ, Greenwich, Conn. Buckle. No. 897,734; Sept. 1; Sp. p. 997; Dr. p. 212; Gaz. vol. 136; p. 160.
 Goerigk, F., Berlin, Germany. Apparatus for taking tailors' measurements. No. 906,524; Dec. 15; Sp. p. 2738; Gaz. vol. 137; p. 1496.
 Goeritz, O., San Francisco, Cal. Centrifugal pump. No. 890,355; June 9; Sp. p. 2354; Dr. pp. 519-20; Gaz. vol. 134; p. 1461.
 Goerz, C. P., Berlin, Germany. Type-writer. No. 878,378; Feb. 4; Sp. p. 980; Dr. pp. 197-8; Gaz. vol. 132; p. 1008.
 Goerz, C. P., Grunewald, near Berlin, Germany. Device for successively exposing sensitive sheets. No. 877,499; Jan. 28; Sp. p. 3721; Dr. p. 805; Gaz. vol. 132; p. 694.
 Goettel, J., Boston, Mass., assignor to one-half to C. E. Rood, New York, N. Y. Journal-box and lid. No. 884,918; Apr. 14; Sp. p. 2564; Dr. pp. 539-40; Gaz. vol. 133; p. 1627.
 Goettler, C., Chicago, Ill. Combination step-ladder and bench. No. 907,491; Dec. 22; Sp. p. 4635; Gaz. vol. 137; p. 1846.
 Goetz, A., and P. A. Jones, Grand Rapids, Mich. Pasteurization. No. 902,812; Nov. 3; Sp. p. 543; Gaz. vol. 137; p. 94.
 Goetz, F. V., *et al.* (See Fowler, G. A., assignor.)

Alphabetical list of patentees—Continued.

- Goetz, G., assignor to Streeter-Ames Weighing & Recording Company, Chicago, Ill. Dash-pot. No. 906,490; Dec. 8; Sp. p. 2666; Gaz. vol. 137; p. 1460.
- Goff, D., Millville, N. J. Boiler-feed. No. 896,820; Aug. 25; Sp. p. 4079; Dr. pp. 878-9; Gaz. vol. 135; p. 1630.
- Goff, F. C., Denver, Colo. Apparatus for treating live stock. No. 876,631; Jan. 14; Sp. p. 1955; Dr. p. 426; Gaz. vol. 132; p. 348.
- Goff, F. C., Denver, Colo. Treating animals. No. 876,632; Jan. 14; Sp. p. 1960; Dr. p. 427; Gaz. vol. 132; p. 348.
- Goff, F. C., Denver, Colo. Apparatus for treating animals. No. 883,132; Mar. 24; Sp. p. 5248; Dr. pp. 1120-1; Gaz. vol. 133; p. 959.
- Goff, F. C., Denver, Colo. Treating animals. No. 885,694; Apr. 21; Sp. p. 4155; Dr. pp. 869-70; Gaz. vol. 133; p. 1908.
- Goff, G., Millard, W. Va. Adjustable soap-holder. No. 898,872; Sept. 15; Sp. p. 3251; Dr. p. 695; Gaz. vol. 136; p. 591.
- Goff, G. W. (See Hutton, C. P., assignor.)
- Goff, L. D., and H. O. Spade, Vicksburg, Mich. Scale or meter. No. 889,598; June 2; Sp. p. 806; Dr. p. 184; Gaz. vol. 134; p. 1188.
- Goff, L. S. (See Runion, W. B. and L., assignors.)
- Goff, S. B., Camden, N. J. Cesspool, drain, and distributor. No. 889,599; June 2; Sp. p. 808; Dr. p. 184; Gaz. vol. 134; p. 1188.
- Goff, S. B., Camden, N. J. Bottle filling and closing device. No. 898,458; Sept. 15; Sp. p. 2463; Dr. pp. 526-7; Gaz. vol. 136; p. 456.
- Goff, T. S., Owensboro, Ky. Box. No. 905,691; Dec. 1; Sp. p. 1145; Gaz. vol. 137; p. 1169.
- Goffe, T. N., Springfield, Mo. Penholder. No. 878,794; Feb. 11; Sp. p. 1913; Dr. p. 393; Gaz. vol. 132; p. 1180.
- Goffe, T. N., Springfield, Mo. Penholder. No. 878,795; Feb. 11; Sp. p. 1914; Dr. p. 393; Gaz. vol. 132; p. 1180.
- Goforth, C. F. and M. T., Wichita, Kans. Sewing-machine shuttle. No. 887,039; May 5; Sp. p. 1392; Dr. p. 296; Gaz. vol. 134; p. 231.
- Goforth, C. F. and M. T., Wichita, Kans. Tension for sewing-machines. No. 889,118; May 26; Sp. p. 5638; Dr. p. 1193; Gaz. vol. 134; p. 1001.
- Goforth, C. F. and M. T., Wichita, Kans. Feed mechanism for sewing-machines. No. 889,119; May 26; Sp. p. 5639; Dr. p. 1194; Gaz. vol. 134; p. 1002.
- Goforth, M. T. (See Goforth, C. F. and M. T.)
- Gogel, J., Toledo, Ohio. Oil-burner. No. 880,071; Feb. 25; Sp. p. 4512; Dr. p. 949; Gaz. vol. 132; p. 1667.
- Goggins, E. F., Schenectady, N. Y. Garment gage and cutter. No. 877,325; Jan. 21; Sp. p. 3380; Dr. p. 732; Gaz. vol. 132; p. 616.
- Gohen, G. A., Cincinnati, Ohio. Election-booth. No. 907,032; Dec. 15; Sp. p. 3682; Gaz. vol. 137; p. 1656.
- Gohy, J., Ensisval, near Verviers, Belgium. Machine for the production of paper tubes. No. 883,949; Apr. 7; Sp. p. 563; Dr. pp. 112-15; Gaz. vol. 133; p. 1283.
- Gohy, J., Ensisval, near Verviers, Belgium. Machine for perforating paper tubes. No. 888,080; May 19; Sp. p. 3520; Dr. p. 736; Gaz. vol. 134; p. 631.
- Gokey, F. F., and W. R. Chambers, Winooski, and W. E. Laprese; said Laprese assignor of one-third of his right to M. Dorn, Burlington, Vt. Carton. No. 898,355; Sept. 8; Sp. p. 2245; Dr. p. 478; Gaz. vol. 136; p. 389.
- Gold, A. P. (See Kronk and Gold.)
- Gold, E. E., New York, N. Y. Car-heating system. No. 878,479; Feb. 4; Sp. p. 1200; Dr. p. 247; Gaz. vol. 132; p. 1042.
- Gold, E. E., New York, N. Y. Automating pipe-coupling for railway-cars. No. 898,214; Sept. 8; Sp. p. 1987; Dr. p. 424; Gaz. vol. 136; p. 345.
- Gold, E. H. (See Roth, E. N., assignor.)
- Gold, E. H., Chicago, Ill. Art of heating. No. 886,969; May 5; Sp. p. 1256; Dr. p. 265; Gaz. vol. 134; p. 208.
- Gold, E. H., Chicago, Ill. Circulating device. No. 890,137; June 9; Sp. p. 1884; Dr. pp. 417-18; Gaz. vol. 134; p. 1391.
- Gold, E. H., Chicago, Ill. Heating system. No. 890,138; June 9; Sp. p. 1888; Dr. pp. 418-19; Gaz. vol. 134; p. 1391.
- Gold, E. H., Chicago, Ill. Safety-valve for car-heating appliances. No. 892,515; July 7; Sp. p. 247; Dr. p. 52; Gaz. vol. 135; p. 46.
- Gold, E. H., Chicago, Ill. Attachment for heating systems. No. 895,177; Aug. 4; Sp. p. 802; Dr. p. 167; Gaz. vol. 135; p. 1027.
- Gold, E. H., Chicago, Ill. Heating system. No. 902,575; Nov. 3; Sp. p. 84; Gaz. vol. 137; p. 14.
- Gold, E. H., Chicago, Ill. Heating system. No. 907,033; Dec. 15; Sp. p. 3683; Gaz. vol. 137; p. 1656.
- Gold, F., Richmond, Victoria, Australia. Grate-surface of furnaces. No. 885,608; Apr. 21; Sp. p. 3974; Dr. pp. 829-30; Gaz. vol. 133; p. 1880.
- Gold, F., Richmond, Victoria, Australia. Furnace. No. 886,205; Apr. 28; Sp. p. 5200; Dr. p. 1095; Gaz. vol. 133; p. 2106.
- Gold, P. E., Neosho, Mo. Whip-snap fastener. No. 904,610; Nov. 24; Sp. p. 4256; Gaz. vol. 137; p. 775.
- Gold, Z. J., Stella, assignor of one-half to W. M. Newton, Newton county, Mo. Photographer's apparatus. No. 906,491; Dec. 8; Sp. p. 2668; Gaz. vol. 137; p. 1460.
- Goldbach, J. C. (See Sedivi, L., assignor.)
- Goldbard, A., New York, N. Y. Street-number indicator for houses. No. 904,773; Nov. 24; Sp. p. 4619; Gaz. vol. 137; p. 831.
- Goldberg Calculating Machine Company. (See Goldberg, H. E., assignor.)
- Goldberg Calculating Machine Company *et al.* (See Wahl and Goldberg, assignors.)
- Goldberg, H. E. (See Wahl and Goldberg.)
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 876,450; Jan. 14; Sp. p. 1538; Dr. p. 331; Gaz. vol. 132; p. 283.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 881,571; Mar. 10; Sp. p. 2140; Dr. pp. 467-8; Gaz. vol. 133; p. 389.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 881,572; Mar. 10; Sp. p. 2145; Dr. pp. 468-9; Gaz. vol. 133; p. 390.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,720; July 21; Sp. p. 2774; Dr. pp. 572-4; Gaz. vol. 135; p. 498.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,721; July 21; Sp. p. 2784; Dr. pp. 574-5; Gaz. vol. 135; p. 499.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,722; July 21; Sp. p. 2790; Dr. pp. 575-6; Gaz. vol. 135; p. 499.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,723; July 21; Sp. p. 2797; Dr. pp. 576-7; Gaz. vol. 135; p. 500.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,724; July 21; Sp. p. 2806; Dr. pp. 577-8; Gaz. vol. 135; p. 500.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,725; July 21; Sp. p. 2812; Dr. pp. 578-9; Gaz. vol. 135; p. 501.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,726; July 21; Sp. p. 2819; Dr. p. 579; Gaz. vol. 135; p. 501.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,727; July 21; Sp. p. 2824; Dr. p. 580; Gaz. vol. 135; p. 502.
- Goldberg, H. E., Chicago, Ill., assignor to Goldberg Calculating Machine Company. Calculating-machine. No. 893,728; July 21; Sp. p. 2827; Dr. pp. 580-1; Gaz. vol. 135; p. 502.
- Goldberg, H. E., assignor to Goldberg Calculating Machine Company, Chicago, Ill. Calculating-machine. No. 896,821; Aug. 25; Sp. p. 4084; Dr. pp. 879-80; Gaz. vol. 135; p. 1630.
- Goldberg, J. S., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Receiver. No. 901,704; Oct. 20; Sp. p. 3464; Dr. p. 702; Gaz. vol. 136; p. 1672.
- Goldberg, P., assignor to Firm of Chemische Fabrik Flörsheim Dr. H. Nordlinger, Flörsheim-on-the-Main, Germany. Freeing waste waters containing cyanids and sulfo-cyanids from poison. No. 897,735; Sept. 1; Sp. p. 999; Dr. p. 212; Gaz. vol. 136; p. 161.
- Goldberg, S. H., Waukegan, Ill. Joint for roofing materials. No. 899,968; Sept. 29; Sp. p. 5439; Dr. p. 1159; Gaz. vol. 136; p. 1009.
- Goldberger, H., Chicago, Ill. Curtain stretching and drying frame. No. 895,744; Aug. 11; Sp. p. 1940; Dr. p. 410; Gaz. vol. 135; p. 1238.
- Goldte, T., Gera-Reuss, Germany. Carriage-hood. No. 878,948; Feb. 11; Sp. p. 2189; Dr. pp. 458-9; Gaz. vol. 132; p. 1228.
- Golden, C. E. (See Anderson, E. V., assignor.)
- Golden, G. W. (See MacLachlan, J. D., assignor.)
- Golden, J. R., Manito, Ill. Pulley. No. 907,781; Dec. 29; Sp. p. 5263; Gaz. vol. 137; p. 1971.
- Golden, J. S., Sylvester, Ga. Skimmer. No. 899,724; Sept. 29; Sp. p. 4906; Dr. p. 1053; Gaz. vol. 136; p. 929.
- Golden, M. K., San Francisco, Cal. Electrical vibrator. No. 892,249; June 30; Sp. p. 6206; Dr. p. 1337; Gaz. vol. 134; p. 2179.
- Golden, M. K., assignor to Horto Electrical Company, Chicago, Ill. Vibrator. No. 888,996; May 26; Sp. p. 5392; Dr. p. 1145; Gaz. vol. 134; p. 962.
- Goldenberg, A. A., Brooklyn, N. Y. Violin-rest. No. 896,721; Aug. 25; Sp. p. 3863; Dr. p. 835; Gaz. vol. 135; p. 1596.
- Goldenberg, W., Brooklyn, N. Y. Hat-pin. No. 898,873; Sept. 15; Sp. p. 3253; Dr. p. 696; Gaz. vol. 136; p. 591.
- Goldner, W. H., Detroit, Mich. Coating composition. No. 887,248; May 12; Sp. p. 1807; Gaz. vol. 134; p. 325.
- Goldney, F. B., Collingdale, Pa. Furnace-charging apparatus. No. 885,920; Apr. 28; Sp. p. 4642; Dr. p. 977; Gaz. vol. 133; p. 2013.
- Goldfaden, S., New York, N. Y. Stylus for talking-machines. No. 881,792; Mar. 10; Sp. p. 2573; Dr. p. 552; Gaz. vol. 133; p. 459.
- Goldie, W., Wilkinsburg, Pa. Metallic tie. No. 889,456; June 2; Sp. p. 531; Dr. p. 124; Gaz. vol. 134; p. 1143.
- Goldie, W., Wilkinsburg, Pa. Metallic tie. No. 889,457; June 2; Sp. p. 533; Dr. pp. 124-5; Gaz. vol. 134; p. 1144.
- Goldie, W., Jr., Bay City, Mich. Spike and tie-plate. No. 884,578; Apr. 14; Sp. p. 1840; Dr. p. 394; Gaz. vol. 133; p. 1516.
- Golding, A. F. (See Campbell and Golding.)

Alphabetical list of patentees—Continued.

- Golding, W. H., Boston, Mass. Clamping and adjusting device for printing-presses. No. 900,519; Oct. 6; Sp. p. 967; Dr. p. 196; Gaz. vol. 136; p. 1220.
- Goldingham, A. H., assignor to De La Vergne Machine Company, New York, N. Y. Internal-combustion engine. No. 877,500; Jan. 28; Sp. p. 3724; Dr. p. 806; Gaz. vol. 132; p. 694.
- Goldman, A. P., and H. H. Stephens, assignors of one-third to J. W. Tobin, North Chillicothe, Ill. Car-coupling. No. 897,889; Sept. 8; Sp. p. 1323; Dr. p. 282; Gaz. vol. 136; p. 242.
- Goldmann, P., New York, N. Y. Fire-escape. No. 898,874; Sept. 15; Sp. p. 3254; Dr. p. 696; Gaz. vol. 136; p. 591.
- Goldsboro, G. W., Tulsa, Okla. Marker attachment for planters. No. 882,462; Mar. 17; Sp. p. 3907; Dr. pp. 835-6; Gaz. vol. 133; p. 707.
- Goldsborough, A. S., *et al.* (See Bryan, J. P., assignor.)
- Goldsborough, R. H., Washington, D. C. Turbine. No. 876,710; Jan. 14; Sp. p. 2107; Dr. p. 459; Gaz. vol. 132; p. 373.
- Goldsborough, R. H., Washington, D. C. Turbine. No. 878,201; Feb. 4; Sp. p. 640; Dr. p. 131; Gaz. vol. 132; p. 949.
- Goldschmidt, A. L., New York, N. Y. Wiring construction for buildings. No. 895,362; Aug. 4; Sp. p. 1170; Dr. p. 246; Gaz. vol. 135; p. 1089.
- Goldschmidt, E., Német Keresztur, Austria-Hungary. Affixing apparatus for stamps and labels. No. 879,627; Feb. 18; Sp. p. 3581; Dr. p. 750; Gaz. vol. 132; p. 1488.
- Goldschmidt, H., assignor to T. Goldschmidt, Essen-on-the-Ruhr, Germany. Thermic mixture. No. 902,871; Nov. 3; Sp. p. 691; Gaz. vol. 137; p. 115.
- Goldschmidt, H., assignor to Firm of Th. Goldschmidt, Essen-on-the-Ruhr, Germany. Manufacture of thermic mixtures. No. 906,009; Dec. 8; Sp. p. 1765; Gaz. vol. 137; p. 1303.
- Goldschmidt, H., and F. Lange, Essen-on-the-Ruhr, Germany. Uniting metals. No. 900,366; Oct. 6; Sp. p. 611; Dr. p. 127; Gaz. vol. 136; p. 1169.
- Goldschmidt, H., and O. Weil, assignors to Firm of Th. Goldschmidt, Essen-on-the-Ruhr, Germany. Manufacturing metals. No. 895,628; Aug. 11; Sp. p. 1704; Gaz. vol. 135; p. 1200.
- Goldschmidt, J. E. (See Dicke, H., assignor.)
- Goldschmidt, O. E., Montclair, N. J. Apparatus for handling granular material. No. 893,479; July 14; Sp. p. 2212; Dr. pp. 464-5; Gaz. vol. 135; p. 389.
- Goldschmidt, T. (See Goldschmidt, H., assignor.)
- Goldschmidt, Firm of Th. (See Goldschmidt, H., assignor.)
- Goldschmidt, Firm of Th. (See Goldschmidt and Weil, assignors.)
- Goldsmith, C., assignor of one-fifth to C. Pinelli, Denver, Colo. Electric alarm attachment for clocks. No. 877,501; Jan. 28; Sp. p. 3728; Dr. pp. 806-7; Gaz. vol. 132; p. 694.
- Goldsmith, E. J. and H., assignors to P. Goldsmith's Sons, Cincinnati, Ohio. Catcher's mitt or glove. No. 877,561; Jan. 28; Sp. p. 3860; Dr. p. 835; Gaz. vol. 132; p. 714.
- Goldsmith, H. (See Goldsmith, E. J. and H.)
- Goldsmith, W. M., Sparta, Mo. Guard-rail for beds. No. 898,875; Sept. 15; Sp. p. 3255; Dr. p. 696; Gaz. vol. 136; p. 591.
- Goldsmith's Sons, P. (See Goldsmith, E. J. and H., assignors.)
- Goldthwait, E., Elkhart, Ind. Coin-controlled brushing-machine. No. 880,876; Mar. 3; Sp. p. 807; Dr. p. 171; Gaz. vol. 133; p. 135.
- Goldtrap, W. H., Cotull, Tex. Flow. No. 891,100; June 16; Sp. p. 3962; Dr. p. 869; Gaz. vol. 134; p. 1755.
- Gollobin, H. A., Newark, N. J. Dental tool. No. 875,992; Jan. 7; Sp. p. 597; Dr. p. 128; Gaz. vol. 132; p. 104.
- Golladay, I. N. (See Herrmann and Golladay.)
- Golly, L., East Orange, N. J. Vacuum power-hammer. No. 887,388; May 12; Sp. p. 2167; Dr. p. 454; Gaz. vol. 134; p. 375.
- Goltstein, E., Cologne, Germany. Bottle cap or closure for bottles, jars, or other receptacles. No. 891,535; June 23; Sp. p. 4766; Dr. p. 1031; Gaz. vol. 134; p. 1912.
- Goltzheim, M. S. von. (See Steele, E., assignor.)
- Gonce, J. W., Kinderhook, Ala. Hame-fastener. No. 879,098; Feb. 11; Sp. p. 2478; Dr. p. 517; Gaz. vol. 132; p. 1274.
- Gonder, C. (See Sohn and Gonder.)
- Gonon, P. E., New York, N. Y. Glass brick, tile, and building-block. No. 898,045; Sept. 8; Sp. p. 1669; Dr. p. 354; Gaz. vol. 136; p. 292.
- Gonzalez, O. J., Palms, Cal. Weeder and cultivator. No. 886,970; May 5; Sp. p. 1258; Dr. p. 266; Gaz. vol. 134; p. 209.
- Gooch, A. E., Campello, Mass., assignor to Arabol Manufacturing Company, New York, N. Y. Composition of matter. No. 898,044; Sept. 8; Sp. p. 1668; Gaz. vol. 136; p. 292.
- Gooch, T. (See Simpson, G. P., assignor.)
- Gooch, T., Marysville, Idaho. Transplanter. No. 902,070; Oct. 27; Sp. p. 4189; Dr. p. 849; Gaz. vol. 136; p. 1819.
- Gooch, W. A., Lawrenceburg, Tenn. Spark-arrester. No. 895,009; Aug. 4; Sp. p. 481; Dr. p. 97; Gaz. vol. 135; p. 971.
- Good, A., Manhattan, Kans. Valve mechanism for engines. No. 897,736; Sept. 1; Sp. p. 1000; Dr. pp. 212-13; Gaz. vol. 136; p. 161.
- Good, C. H., *et al.* (See Geraghty, J. P., assignor.)
- Good, E., assignor to L. Y. Williams and F. B. Harrison, Toledo, Ohio. Car-journal box. No. 879,459; Feb. 18; Sp. p. 3226; Dr. p. 671; Gaz. vol. 132; p. 1433.
- Good, E. E., Waterloo, Iowa. Pulsating device for milking apparatus. No. 875,706; Jan. 7; Sp. p. 55; Dr. p. 11; Gaz. vol. 132; p. 12.
- Good, E. E., Waterloo, Iowa. Teat-cup for milking apparatus. No. 875,802; Jan. 7; Sp. p. 240; Dr. p. 51; Gaz. vol. 132; p. 44.
- Good, J., New York, N. Y.; J. E. Good, administratrix. Twine-machine. No. 902,813; Nov. 3; Sp. p. 544; Gaz. vol. 137; p. 94.
- Good, J., Jr., New York, assignor to A. W. Hard, Jr., Lawrence, N. Y. Cash-delivery device. No. 880,448; Feb. 25; Sp. p. 5273; Dr. p. 1109; Gaz. vol. 132; p. 1793.
- Good, J. E., administratrix. (See Good, J.)
- Good, J. L., assignor to Stimpson Computing Scale Company, Detroit, Mich. Platform-supporting hanger for scales. No. 889,221; June 2; Sp. p. 67; Dr. p. 15; Gaz. vol. 134; p. 1068.
- Good, J. R., *et al.* (See Hallahan, E. J., assignor.)
- Good Manufacturing Company. (See Booth, A. T., assignor.)
- Good, R., assignor of one-half to J. Jones, Eden Vale, Cal. Apricot-cutter. No. 889,458; June 2; Sp. p. 536; Dr. p. 125; Gaz. vol. 134; p. 1144.
- Goodale, F. R., Exeter, N. H. Ellipsograph. No. 877,710; Jan. 28; Sp. p. 4139; Dr. p. 896; Gaz. vol. 132; p. 761.
- Goodale, W. H., Leominster, Mass., and E. A. Stacy, New York, N. Y. Comb hat-fastener. No. 885,746; Apr. 28; Sp. p. 4276; Dr. p. 894; Gaz. vol. 133; p. 1955.
- Goodall Matting Company. (See Arrouquier, F. E., assignor.)
- Goode, J. R., Washington, Pa. Nut-lock. No. 883,714; Apr. 7; Sp. p. 74; Dr. p. 11; Gaz. vol. 133; p. 1204.
- Goode, J. R., assignor of one-half to J. W. Ely, Washington, Pa. Farm-gate. No. 879,460; Feb. 18; Sp. p. 3227; Dr. p. 672; Gaz. vol. 132; p. 1434.
- Goode, J. R., Washington, assignor of one-fourth to M. L. Morrison, Amity, Pa. Railway-switch. No. 903,562; Nov. 10; Sp. p. 2062; Gaz. vol. 137; p. 368.
- Goodenough, C. E., Pierrepont Manor, N. Y. Trap-nest. No. 881,677; Mar. 10; Sp. p. 2355; Dr. p. 510; Gaz. vol. 133; p. 423.
- Goodfellow, J., Vienna Cross Roads, Ohio. Press. No. 880,877; Mar. 3; Sp. p. 810; Dr. p. 172; Gaz. vol. 133; p. 135.
- Goodfellow, M., assignor of one-half to J. O. Dye, Columbus, Ohio. Steering mechanism for agricultural implements. No. 887,624; May 12; Sp. p. 2618; Dr. p. 552; Gaz. vol. 134; p. 452.
- Goodfriend, M., assignor of one-half to J. O. Dye, Columbus, Ohio. Traction-wheel. No. 907,991; Dec. 29; Sp. p. 5707; Gaz. vol. 137; p. 2039.
- Goodfriend, S., Philadelphia, Pa. Coat-form improver. No. 893,622; July 21; Sp. p. 2533; Dr. p. 528; Gaz. vol. 135; p. 466.
- Goodhue, J. G., and H. K. Henry, assignors to Absolute Disinfecting Company. Vaporizer for disinfectants. No. 876,904; Jan. 14; Sp. p. 2470; Dr. pp. 539-40; Gaz. vol. 132; p. 435.
- Goodhue, M. E., assignor to Chicago Feather Duster Co., Chicago, Ill. Frame for wall-brushes. No. 907,337; Dec. 22; Sp. p. 4315; Gaz. vol. 137; p. 1794.
- Goodhue, M. E., assignor to Chicago Feather Duster Co., Chicago, Ill. Head for feather dusters. No. 907,338; Dec. 22; Sp. p. 4316; Gaz. vol. 137; p. 1794.
- Goodier, G. W., assignor to Hygienic Floor Machine Company, Utica, N. Y. Floor-cleaning machine. No. 899,725; Sept. 29; Sp. p. 4908; Dr. p. 1054; Gaz. vol. 136; p. 929.
- Goodier, G. W., assignor to Hygienic Floor Machine Company, Utica, N. Y. Floor duster and polisher. No. 899,726; Sept. 29; Sp. p. 4911; Dr. p. 1054; Gaz. vol. 136; p. 929.
- Goodier, G. W., assignor to Hygienic Floor Machine Company, Utica, N. Y. Floor duster and polisher. No. 899,727; Sept. 29; Sp. p. 4913; Dr. p. 1055; Gaz. vol. 136; p. 930.
- Goodknight, J. M., Kansas City, Kans. Brake for railway-cars. No. 896,377; Aug. 18; Sp. p. 3185; Dr. p. 683; Gaz. vol. 135; p. 1463.
- Goodlad, J. J., *et al.* (See Geraghty, J. P., assignor.)
- Goodlett, J. E. J., Memphis, Tenn. Compound engine. No. 906,703; Dec. 15; Sp. p. 3062; Gaz. vol. 137; p. 1552.
- Goodloe, B., *et al.* (See Blades, J. M., assignor.)
- Goodloe, H., *et al.* (See Blades, J. M., assignor.)
- Goodman, B., Wallace, Kans. Screen. No. 884,145; Apr. 7; Sp. p. 1011; Dr. p. 211; Gaz. vol. 133; p. 1347.
- Goodman, H. M., Louisville, Ky. Centrifugal separating-machine. No. 879,255; Feb. 18; Sp. p. 2789; Dr. p. 585; Gaz. vol. 132; p. 1367.

Alphabetical list of patentees—Continued.

- Goodman Manufacturing Company. (See Pratt, C. A., assignor.)
- Goodman, N. J., assignor to Simplex Self Holding Carton Company, St. Louis, Mo. Holder for laundried shirts. No. 886,795; May 5; Sp. p. 955; Dr. p. 199; Gaz. vol. 134; p. 155.
- Goodman, N. J., assignor to Simplex Self Holding Carton Company, St. Louis, Mo. Laundried-shirt holder. No. 886,796; May 5; Sp. p. 957; Dr. p. 199; Gaz. vol. 134; p. 155.
- Goodner, J. A., Rocky Ford, Colo. Water-elevator. No. 878,133; Feb. 4; Sp. p. 475; Dr. p. 102; Gaz. vol. 132; p. 926.
- Goodnow, G. F., Waukegan, Ill. Respiration-mask. No. 902,961; Nov. 3; Sp. p. 861; Gaz. vol. 137; p. 143.
- Goodrich, C. E., Daggett, Cal. Explosive-engine. No. 893,480; July 14; Sp. p. 2213; Dr. pp. 465-6; Gaz. vol. 135; p. 390.
- Goodrich, C. M., Clinton, Iowa. Locomotive-cab window. No. 905,417; Dec. 1; Sp. p. 473; Gaz. vol. 137; p. 1082.
- Goodrich, H., Council Bluffs, Iowa. Collapsible chair. No. 897,737; Sept. 1; Sp. p. 1002; Dr. p. 213; Gaz. vol. 136; p. 161.
- Goodrich, H. C., New Haven, Conn. Mount for hooks and eyes. No. 899,664; Sept. 29; Sp. p. 4793; Dr. p. 1026; Gaz. vol. 136; p. 910.
- Goodrich, I. L., Cupertino, Cal. Vehicle-wheel. No. 876,163; Jan. 7; Sp. p. 940; Dr. p. 202; Gaz. vol. 132; p. 159.
- Goodrich, O. H., Castleton Corners, assignor to E. F. Hutton, New York, N. Y. Appliance for use with telephone-transmitters. No. 897,084; Aug. 25; Sp. p. 4659; Dr. p. 993; Gaz. vol. 135; p. 1718.
- Goodrich, R. B., Cincinnati, Ohio. Hydraulic motor. No. 884,654; Apr. 14; Sp. p. 2035; Dr. pp. 434-5; Gaz. vol. 133; p. 1541.
- Goodrich, Rommel Company. (See Goodrich, T. F., assignor.)
- Goodrich, T. F., Albany, N. Y., assignor to Goodrich, Rommel Company. Guide-greaser for elevators. No. 902,226; Oct. 27; Sp. p. 4508; Dr. p. 913; Gaz. vol. 136; p. 1868.
- Goodridge, G. W., assignor to Bryant Electric Company, Bridgeport, Conn. Receptacle for incandescent lamps. No. 876,169; Jan. 7; Sp. p. 941; Dr. p. 202; Gaz. vol. 132; p. 160.
- Goodridge, G. W., assignor to Bryant Electric Company, Bridgeport, Conn. Electric-lamp socket. No. 879,819; Feb. 18; Sp. p. 3958; Dr. p. 828; Gaz. vol. 132; p. 1551.
- Goodridge, G. W., assignor to Bryant Electric Company, Bridgeport, Conn. Tool for electric-lamp sockets. No. 906,408; Dec. 8; Sp. p. 2512; Gaz. vol. 137; p. 1432.
- Goodridge, G. W., assignor to Bryant Electric Company, Bridgeport, Conn. Incandescent-electric-lamp socket. No. 907,782; Dec. 29; Sp. p. 5265; Gaz. vol. 137; p. 1971.
- Goodridge, G. W., assignor to Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Push-button for electric switches. No. 902,962; Nov. 3; Sp. p. 863; Gaz. vol. 137; p. 143.
- Goodridge, G. W., and G. B. Thomas, assignors to Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Rotary snap-switch. No. 903,705; Nov. 10; Sp. p. 2344; Gaz. vol. 137; p. 412.
- Goodrum, C. L., Philadelphia, Pa., assignor, by mesne assignments, to Dean Electric Company, Elyria, Ohio. Telephone system. No. 896,103; Aug. 18; Sp. p. 2646; Dr. p. 571; Gaz. vol. 135; p. 1375.
- Goodson Electric Galvanizing Company. (See Goodson, G. A., assignor.) (Reissue.)
- Goodson, G. A., Minneapolis, Minn. Plated metallic body. No. 900,846; Oct. 13; Sp. p. 1656; Gaz. vol. 136; p. 1355.
- Goodson, G. A., Minneapolis, Minn. Plating metallic bodies. No. 900,847; Oct. 13; Sp. p. 1657; Gaz. vol. 136; p. 1355.
- Goodson, G. A., Minneapolis, Minn. Electric igniter for explosive-engines. No. 904,196; Nov. 17; Sp. p. 3397; Gaz. vol. 137; p. 611.
- Goodson, G. A., assignor to Goodson Electric Galvanizing Company, Minneapolis, Minn. Plating metallic bodies. (Reissue.) No. 12,779; Apr. 14; Sp. p. 2722; Dr. p. 577; Gaz. vol. 133; p. 1653.
- Goodspeed, C. B., Columbus, Ohio. Truck side frame. No. 884,726; Apr. 14; Sp. p. 2175; Dr. p. 461; Gaz. vol. 133; p. 1566.
- Goodwill, E. (See Baker, C. L., Sr., assignor.)
- Goodwin, E. E., Cle Elum, Wash. Windmill attachment. No. 879,099; Feb. 11; Sp. p. 2481; Dr. p. 517; Gaz. vol. 132; p. 1274.
- Goodwin, H., and W. R. Rowe, New York, N. Y. Size-determiner. No. 896,205; Aug. 18; Sp. p. 2822; Dr. p. 608; Gaz. vol. 135; p. 1407.
- Goodwin, J. C. (See Wilkinson and Goodwin.)
- Goodwin, J. C., Philadelphia, Pa. Sewing-machine. No. 884,579; Apr. 14; Sp. p. 1841; Dr. p. 395; Gaz. vol. 133; p. 1517.
- Goodwin, J. M., Mount Vernon, N. Y. Dumping-vehicle. No. 893,159; July 14; Sp. p. 1572; Dr. p. 333; Gaz. vol. 135; p. 286.
- Goodwin, L. O., assignor to Davis & Furber Machine Company, North Andover, Mass. Revolution-indicating mechanism for spinning-machines. No. 879,957; Feb. 25; Sp. p. 4288; Dr. p. 896; Gaz. vol. 132; p. 1630.
- Goodwin, P. H., San Diego, Cal. Automatic adjustable gem-holder. No. 891,161; June 16; Sp. p. 3965; Dr. p. 869; Gaz. vol. 134; p. 1756.
- Goodwin, T. J., Cleburne, Tex. Wire basket. No. 900,162; Oct. 6; Sp. p. 193; Dr. p. 39; Gaz. vol. 136; p. 1104.
- Goodwin, W. B. (See Thrash, W. H., assignor.)
- Goodwin, W. B., Columbus, Ohio. Brake-shoe. No. 882,107; Mar. 17; Sp. p. 3255; Dr. p. 692; Gaz. vol. 133; p. 592.
- Goodwin, W. B., Columbus, Ohio. Safety-stirrup. No. 889,222; June 2; Sp. p. 68; Dr. p. 15; Gaz. vol. 134; p. 1068.
- Goodwin, W. N., Albuquerque, N. Mex. Ter. Lock for vehicle-tongues. No. 906,525; Dec. 15; Sp. p. 2741; Gaz. vol. 137; p. 1497.
- Goodwin, W. U. (See Cox and Goodwin.)
- Goodwine, J., Jr., *et al.* (See Hall, F. M., assignor.)
- Goodwine, U. S., *et al.* (See Hall, F. M., assignor.)
- Goodyear, N., assignor to J. B. Colt Company, New York, N. Y. Acetylene-generator. No. 884,328; Apr. 7; Sp. p. 1318; Dr. pp. 279-80; Gaz. vol. 133; p. 1404.
- Goodyear, N., assignor to J. B. Colt Company, New York, N. Y. Acetylene-generator. No. 884,329; Apr. 7; Sp. p. 1324; Dr. pp. 281-2; Gaz. vol. 133; p. 1405.
- Goodyear Tire & Rubber Company. (See Goodyear Tire & Rubber Company, assignor.)
- Goodyear, W. E., Newark, N. J. Change-speed gearing. No. 891,536; June 23; Sp. p. 4767; Dr. p. 1032; Gaz. vol. 134; p. 1912.
- Goodykoontz, F. A., Sapulpa, Okla. Buckle. No. 899,969; Sept. 29; Sp. p. 5441; Dr. p. 1159; Gaz. vol. 136; p. 1009.
- Goos, L. J., Atlantic City, N. J. Locomotive. No. 889,676; June 2; Sp. p. 961; Dr. p. 222; Gaz. vol. 134; p. 1215.
- Gosch, E., New York, N. Y. Fan. No. 900,520; Oct. 6; Sp. p. 968; Dr. p. 196; Gaz. vol. 136; p. 1220.
- Gordnier, F. E., Oakdale, assignor of one-half to L. Feick, Nobletown, Pa. Scaffold apparatus. No. 884,813; Apr. 14; Sp. p. 2358; Dr. p. 495; Gaz. vol. 133; p. 1596.
- Gordon, C. (See Auble and Gordon.)
- Gordon, E. R. (See Despain, Kitt, and Gordon.)
- Gordon, E. R., and D. L. Wolfe, Harrington, Wash. Combined weeder and cultivator. No. 884,814; Apr. 14; Sp. p. 2360; Dr. p. 496; Gaz. vol. 133; p. 1596.
- Gordon, F. C., Asotin, Wash. Internal-combustion engine. No. 876,870; Jan. 14; Sp. p. 2398; Dr. pp. 522-3; Gaz. vol. 132; p. 423.
- Gordon, F. E., Lincoln, Me. Tool. No. 905,511; Dec. 1; Sp. p. 818; Gaz. vol. 137; p. 1113.
- Gordon, F. L. (See Rosing and Gordon.)
- Gordon, G. E., Shenandoah, Iowa. Guiding device for wheeled agricultural implements. No. 879,864; Feb. 25; Sp. p. 4084; Dr. p. 856; Gaz. vol. 132; p. 1599.
- Gordon, J., Jr., New Rochelle, N. Y. Alarm-whistle. No. 894,321; July 28; Sp. p. 4077; Dr. p. 842; Gaz. vol. 135; p. 718.
- Gordon, J. F., Lowell, Mass. Winding-machine. No. 898,459; Sept. 15; Sp. p. 2465; Dr. pp. 527-8; Gaz. vol. 136; p. 457.
- Gordon, J. T., Indianapolis, Ind. Manufacture of rubber tires. No. 903,707; Nov. 10; Sp. p. 2348; Gaz. vol. 137; p. 412.
- Gordon, N., Vernon, Tenn. Fan for cradles. No. 902,071; Oct. 27; Sp. p. 4190; Dr. p. 849; Gaz. vol. 136; p. 1819.
- Gordon, P. W. (See Smith, L. E., assignor.)
- Gordon, S., Washington, D. C. Horseshoe. No. 893,481; July 14; Sp. p. 2218; Dr. p. 466; Gaz. vol. 135; p. 390.
- Gordon, S., Washington, D. C. Horseshoe and calk. No. 906,126; Dec. 8; Sp. p. 1991; Gaz. vol. 137; p. 1340.
- Gordon, T. B. (See Mercer, A., assignor.)
- Gordon, T. W., Franklin, Me., assignor of one-fourth to B. F. and K. E. Abbott New York, N. Y. Pickax-guard. No. 899,487; Sept. 22; Sp. p. 4408; Dr. p. 946; Gaz. vol. 136; p. 816.
- Gordon, W., Sharon Springs, N. Y. Fastener. No. 880,296; Feb. 25; Sp. p. 4969; Dr. p. 1048; Gaz. vol. 132; p. 1742.
- Gordon, W., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Boot and shoe. No. 894,881; Aug. 4; Sp. p. 171; Dr. p. 37; Gaz. vol. 135; p. 927.
- Gordon, W., assignor of one-half to A. B. Coons, Sharon Springs, N. Y. Horse-blanket. No. 896,446; Aug. 18; Sp. p. 3315; Dr. p. 713; Gaz. vol. 135; p. 1485.
- Gordon, W., Sharon Springs, assignor of one-half to W. E. Colyer, Argusville, N. Y. Flying-machine. No. 897,738; Sept. 1; Sp. p. 1003; Dr. pp. 213-14; Gaz. vol. 136; p. 162.
- Gordon, W. L., Deal, assignor to Pneumatic Heel Cushion Company, Asbury Park, N. J. Pneumatic-cushion insole. No. 901,236; Oct. 13; Sp. p. 2397; Dr. p. 491; Gaz. vol. 136; p. 1478.
- Gordon, W. L., assignor of one-half to C. W. Ransom, Kansas City, Mo. Penholder. No. 904,059; Nov. 17; Sp. p. 3096; Gaz. vol. 137; p. 562.
- Gordon, W. T., Chicago, Ill. Collar-fastening clip. No. 905,418; Dec. 1; Sp. p. 575; Gaz. vol. 137; p. 1082.
- Gordon, W. W. (See Nokes and Gordon.)
- Gordon, W. W., Washington, D. C. Combined railway tie, fish-plate, and car-replacer. No. 896,378; Aug. 18; Sp. p. 3186; Dr. p. 683; Gaz. vol. 135; p. 1463.
- Gorey, E. H. (See Densmore and Gorey.)
- Gorges, W. (See Davidson and Gorges.)
- Gorham Company. (See Kirk, F. L., assignor.)

Alphabetical list of patentees—Continued.

- Gorham, F. C., New York, N. Y. Swimming shoe or slipper. No. 895,451; Aug. 11; Sp. p. 1355; Dr. p. 285; Gaz. vol. 135; p. 1142.
 Gorham Manufacturing Company. (See Erichsen, A. C. E., assignor.)
- Gorin, F. P., Chicago, Ill. Attachment for type-writing machines. No. 890,507; June 9; Sp. p. 2631; Dr. pp. 582-3; Gaz. vol. 134; p. 1510.
- Gorin, F. P., Chicago, Ill. Can-opener. No. 896,822; Aug. 25; Sp. p. 4091; Dr. p. 880; Gaz. vol. 135; p. 1631.
- Gorman, A., St. Louis, Mo. Self-locking sash-lock. No. 885,239; Apr. 21; Sp. p. 3244; Dr. p. 677; Gaz. vol. 133; p. 1764.
- Gorman, H. P., Hazleton, Pa. Dispensing liquid-holder. No. 886,596; May 5; Sp. p. 504; Dr. p. 108; Gaz. vol. 134; p. 90.
- Gorman, J. N., Richmond, Va. Trunk-strap. No. 891,835; June 30; Sp. p. 5410; Dr. p. 1169; Gaz. vol. 134; p. 2044.
- Gorman, M. S., New London, Wis. Garment-hook and hat-holder. No. 886,365; May 5; Sp. p. 44; Dr. p. 9; Gaz. vol. 134; p. 12.
- Gormley, C., assignor of one-half to J. C. Winters and J. W. Prophet, Mount Morris, N. Y. Corn-husking machine. No. 879,538; Feb. 18; Sp. p. 3374; Dr. pp. 705-6; Gaz. vol. 132; p. 1460.
- Gormley, F. L., Boston, Mass. Screw-jack. No. 898,215; Sept. 8; Sp. p. 1989; Dr. p. 424; Gaz. vol. 136; p. 345.
- Gormley, F. L., assignor to A. O. Norton Incorporated, Boston, Mass. Lifting-jack. No. 878,522; Feb. 11; Sp. p. 1342; Dr. p. 272; Gaz. vol. 132; p. 1089.
- Gormly, J., Philadelphia, Pa. Treating solid material. No. 888,608; May 26; Sp. p. 4583; Dr. p. 972; Gaz. vol. 134; p. 837.
- Gormly, J., Philadelphia, Pa. Apparatus for treating solid material. No. 889,120; May 26; Sp. p. 5641; Dr. p. 1194; Gaz. vol. 134; p. 1002.
- Gornall, J. (See Myerscough and Gornall.)
- Gorndt, J. F., Chicago, Ill. Baker's oven. No. 879,866; Feb. 25; Sp. p. 4086; Dr. p. 857; Gaz. vol. 132; p. 1599.
- Gorsline, H. A., and A. Klein, assignors of one-third to S. Klein, Cleveland, Ohio. Deodorizing attachment for gas-heaters. No. 900,722; Oct. 13; Sp. p. 1394; Dr. p. 283; Gaz. vol. 136; p. 1314.
- Gorton, J. A., Montclair, N. J. Radiator appliance. No. 879,628; Feb. 18; Sp. p. 3583; Dr. p. 750; Gaz. vol. 132; p. 1489.
- Gorton, W. F. (See Smith and Gorton.)
- Gosline, D. P., Boston, Mass. Disk ventilating-fan. No. 901,337; Oct. 20; Sp. p. 2621; Dr. pp. 538-9; Gaz. vol. 136; p. 1547.
- Gosmann, W., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Aluminum alloy. No. 886,597; May 5; Sp. p. 506; Gaz. vol. 134; p. 90.
- Gosnell, C. B., and A. M. Harris, Keyser, W. Va. Brake-head. No. 883,012; Mar. 24; Sp. p. 5009; Dr. pp. 1065-6; Gaz. vol. 133; p. 920.
- Goss, A. S., Portland, Oreg. Grading or separating machine. No. 892,825; July 7; Sp. p. 853; Dr. p. 182; Gaz. vol. 135; p. 145.
- Goss, C. E. (See Goss, G. W. and C. E.)
- Goss, C. O. (See Bluntach, A. J., assignor.)
- Goss, G. W. and C. E., Baltimore, Ohio. Gate. No. 881,119; Mar. 10; Sp. p. 1251; Dr. p. 269; Gaz. vol. 133; p. 242.
- Goss, G. W. and C. E., Baltimore, Ohio. Latch. No. 881,182; Mar. 10; Sp. p. 1374; Dr. p. 296; Gaz. vol. 133; p. 263.
- Goss, G. W. and C. E., Baltimore, Ohio. Gate. No. 895,178; Aug. 4; Sp. p. 803; Dr. p. 167; Gaz. vol. 135; p. 1028.
- Goss, J. C., and A. T. Hansen, Detroit, Mich. Canvas-stretcher. No. 876,345; Jan. 14; Sp. p. 1308; Dr. p. 283; Gaz. vol. 132; p. 248.
- Goss, J. H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Electric-light-socket cap. No. 877,326; Jan. 21; Sp. p. 3381; Dr. p. 732; Gaz. vol. 132; p. 616.
- Goss Printing Press Company. (See Evensen, W., assignor.)
- Goss Printing Press Company. (See Firm, J. L., assignor.)
- Goss Printing Press Company. (See Goss, S. G., assignor.)
- Goss Printing Press Company. (See Husby, H. P., assignor.)
- Goss Printing Press Company. (See Lang, H., assignor.)
- Goss Printing Press Company. (See Menendez, G. A., assignor.)
- Goss Printing Press Company. (See Seymour, R. C., assignor.)
- Goss Printing Press Company. (See Walser, J. J., assignor.)
- Goss, S. G., assignor to Goss Printing Press Company, Chicago, Ill. Printing machinery. No. 894,200; July 28; Sp. p. 3813; Dr. p. 790; Gaz. vol. 135; p. 678.
- Goss, S. G., assignor to Goss Printing Press Company, Chicago, Ill. Plate-clamping mechanism for printing-presses. No. 905,173; Dec. 1; Sp. p. 97; Gaz. vol. 137; p. 999.
- Goss, S. G., assignor to Goss Printing Press Company, Chicago, Ill. Plate-clamping mechanism for printing-presses. No. 905,174; Dec. 1; Sp. p. 101; Gaz. vol. 137; p. 999.
- Goss, W. F. M., La Fayette, assignor to United States Distillation Company, Indianapolis, Ind. Apparatus for treating liquids. No. 890,227; June 9; Sp. p. 2074; Dr. p. 455; Gaz. vol. 134; p. 1420.
- Gossard, J. A., South Solon, Ohio. Rail chair and fastener. No. 878,202; Feb. 4; Sp. p. 642; Dr. pp. 131-2; Gaz. vol. 132; p. 950.
- Gossett, W., Falls City, Nebr. Screen-hinge. No. 884,146; Apr. 7; Sp. p. 1013; Dr. p. 211; Gaz. vol. 133; p. 1347.
- Gossick, W. F., and A. R. Van Valkenburgh, Chicago, Ill. Thermostat. No. 893,918; July 21; Sp. p. 3208; Dr. p. 661; Gaz. vol. 135; p. 564.
- Gotshall, G. A., Manning, Iowa. Lid-remover. No. 898,574; Sept. 15; Sp. p. 2693; Dr. p. 575; Gaz. vol. 136; p. 494.
- Gotsche, F. H., San Francisco, Cal. Tent. No. 901,802; Oct. 20; Sp. p. 3655; Dr. p. 740; Gaz. vol. 136; p. 1703.
- Gottschalk, F., assignor to Adjustable Seal Company, New York, N. Y. Seal impressing or printing machine. No. 888,889; May 26; Sp. p. 5189; Dr. p. 1101; Gaz. vol. 134; p. 929.
- Gottschalk, F., assignor to Adjustable Seal Company, New York, N. Y. Device for impressing seals on papers. No. 888,890; May 26; Sp. p. 5191; Dr. p. 1102; Gaz. vol. 134; p. 929.
- Gottschalk, F., assignor to Adjustable Seal Company, New York, N. Y. Device for impressing seals on papers. No. 888,997; May 26; Sp. p. 5394; Dr. p. 1145; Gaz. vol. 134; p. 963.
- Gottschalk, F. C., New York, N. Y. Box for keeping carbon-paper. No. 892,661; July 7; Sp. p. 523; Dr. p. 110; Gaz. vol. 135; p. 93.
- Gottschalk, F. T., Dresden, Germany. Driving-gear. No. 895,553; Aug. 11; Sp. p. 1564; Dr. p. 330; Gaz. vol. 135; p. 1176.
- Gottschalk, H., Burnham, Pa. Pan cleaning and greasing machine. No. 896,722; Aug. 25; Sp. p. 3865; Dr. p. 836; Gaz. vol. 135; p. 1596.
- Gottschalk, H., Burnham, Pa. Cleaning device for pans. No. 896,723; Aug. 25; Sp. p. 3866; Dr. p. 836; Gaz. vol. 135; p. 1596.
- Gottschalk, J. J., Taunton, Mass., and B. W. Phelps, Providence, R. I. Sanitary pipe-stem. No. 904,323; Nov. 17; Sp. p. 3682; Gaz. vol. 137; p. 655.
- Gottschall, W. G., assignor to Hart, Shaffner & Marx, Chicago, Ill. Machine for shrinking and drying cloth. No. 887,788; May 19; Sp. p. 2956; Dr. p. 622; Gaz. vol. 134; p. 537.
- Gottschling, O. (See Griessmann and Gottschling.)
- Gottscho, L. (See Schutz, H. von, assignor.)
- Gottwals, W. O., Washington, D. C. File and index. No. 883,950; Apr. 7; Sp. p. 574; Dr. p. 115; Gaz. vol. 133; p. 1283.
- Goudron, P., Chicago, Ill. Amusement-coaster. No. 895,256; Aug. 4; Sp. p. 973; Dr. p. 203; Gaz. vol. 135; p. 1055.
- Gough, M. L., Washington, D. C. Shoe-tree. No. 885,609; Apr. 21; Sp. p. 3977; Dr. p. 830; Gaz. vol. 133; p. 1881.
- Goughnour, H. S., Johnstown, Pa., assignor to Lorain Steel Company. Switch structure. No. 901,803; Oct. 20; Sp. p. 3656; Dr. p. 740; Gaz. vol. 136; p. 1703.
- Goughnour, H. S., Johnstown, Pa., assignor to Lorain Steel Company. Switch-stand. No. 901,804; Oct. 20; Sp. p. 3657; Dr. p. 741; Gaz. vol. 136; p. 1704.
- Gouin, C. C., Paris, France. Flexible tire for vehicle-wheels. No. 883,398; Mar. 31; Sp. p. 5819; Dr. p. 1241; Gaz. vol. 133; p. 1076.
- Gouker, G. J., Peoria, Ill. Marker for corn-planters. No. 887,474; May 12; Sp. p. 2336; Dr. p. 489; Gaz. vol. 134; p. 403.
- Gould, A. E., Grand Rapids, Mich. Garment-supporter. No. 892,149; June 30; Sp. p. 6021; Dr. p. 1293; Gaz. vol. 134; p. 2145.
- Gould, C. A., St. Louis, Mo. Underwear-garment. No. 884,815; Apr. 14; Sp. p. 2362; Dr. p. 496; Gaz. vol. 133; p. 1597.
- Gould, C. T. E., assignor of one-third to E. Hilker, Chicago, Ill. Sewing-machine bed-plate or work-support. No. 884,482; Apr. 14; Sp. p. 1646; Dr. pp. 353-4; Gaz. vol. 133; p. 1485.
- Gould Coupler Company. (See Richards, W. F., assignor.)
- Gould Coupler Company. (See Turbayne, W. A., assignor.)
- Gould, F. B., Farmer City, Ill. Slide-band for collars. No. 892,969; July 14; Sp. p. 1238; Dr. p. 258; Gaz. vol. 135; p. 231.
- Gould, M., assignor to C. McCloskey & Company, Belfast, Ireland. Hemstitch-machine. No. 892,372; June 30; Sp. p. 6435; Dr. pp. 1388-9; Gaz. vol. 134; p. 2218.
- Gould, M., assignor to C. and H. McCloskey, Belfast, Ireland. Machine for doing open-work stitching. No. 884,330; Apr. 7; Sp. p. 1328; Dr. p. 282; Gaz. vol. 133; p. 1405.
- Gould, O. M., Montreal, Quebec, Canada. Water-cooling tower. No. 899,665; Sept. 29; Sp. p. 4793; Dr. p. 1026; Gaz. vol. 136; p. 910.
- Gould, P. D., Hillsboro, N. H. Attachment for spinning-machines. No. 888,998; May 26; Sp. p. 5396; Dr. p. 1145; Gaz. vol. 134; p. 963.
- Gould Storage Battery Company. (See Chamberlain, R. N., assignor.)
- Gould Storage Battery Company. (See Hubbard, A. S., assignor.)
- Gould Storage Battery Company. (See Turbayne, W. A., assignor.)
- Gould Storage Battery Company. (See Winship, W. E., assignor.)
- Gould, R. M. (See Snyder, H. F. B., assignor.)
- Gould, W. W., Bridgeport, Conn. Sewing-machine fly-wheel. No. 898,639; Sept. 15; Sp. p. 2829; Dr. p. 603; Gaz. vol. 136; p. 515.
- Govers, F. X., Owego, N. Y. Paint-remover and making same. No. 885,151; Apr. 21; Sp. p. 3055; Gaz. vol. 133; p. 1735.

Alphabetical list of patentees—Continued.

- Gow, A. M., Edgewood Park, Pa., assignor, by mesne assignments, to Westinghouse Machine Company. Making gas. No. 884,655; Apr. 14; Sp. p. 2038; Dr. p. 435; Gaz. vol. 133; p. 1542.
- Gowlland, C. S. (See Inskeep and Gowlland.)
- Gowlland, E. (See Inskeep and Gowlland.)
- Graaff & Compagnie, Ges. mit beschr. Haftung. Firm of W. (See Mikorey, H., assignor.)
- Grabau, H. E., Weehawken, N. J. Means for generating heat. No. 901,338; Oct. 20; Sp. p. 2623; Dr. p. 539; Gaz. vol. 136; p. 1547.
- Grabe, G., Wilmersdorf, assignor to Siemens & Halske Aktien-Gesellschaft, Berlin, Germany. Spring-jack for telephone-switchboards. No. 897,085; Aug. 25; Sp. p. 4663; Dr. p. 993; Gaz. vol. 135; p. 1719.
- Grabe, H. (See Vahle, G., assignor.)
- Gabel, A. J., Jamestown, N. Y. Non-refillable bottle. No. 884,147; Apr. 7; Sp. p. 1014; Dr. p. 212; Gaz. vol. 133; p. 1347.
- Gabel, H. D., East St. Louis, Ill. Stovepipe-support. No. 906,870; Dec. 15; Sp. p. 3395; Gaz. vol. 137; p. 1605.
- Graber, C. F., Dallas, Tex., assignor to E. H. Wagner, New York, N. Y. Pyrotechnic device. No. 902,650; Nov. 3; Sp. p. 231; Gaz. vol. 137; p. 39.
- Grace, F. A., Sharon, Pa. Vehicle or wagon brake. No. 880,791; Mar. 3; Sp. p. 610; Dr. p. 129; Gaz. vol. 133; p. 105.
- Grace, G., Wichita, Kans. Pump. No. 880,137; Feb. 25; Sp. p. 4637; Dr. pp. 978-9; Gaz. vol. 132; p. 1688.
- Grace, T., assignor of two-thirds to C. A. Jaques and A. J. Metcalfe, Darlington, near Sydney, New South Wales, Australia. Sheep-shearing machine. No. 885,991; Apr. 28; Sp. p. 4802; Dr. p. 1008; Gaz. vol. 133; p. 2038.
- Grace, T. J., assignor of one-half to J. W. Rutherford, Mobile, Ala. Apparatus for delivering mail-sacks. No. 886,290; Apr. 28; Sp. p. 5366; Dr. p. 1128; Gaz. vol. 133; p. 2136.
- Grace, W. E. (See Downs, G. H., assignor.)
- Gracey, F. T., Clarksville, Tenn. Means for moving heavy objects. No. 907,034; Dec. 15; Sp. p. 3686; Gaz. vol. 137; p. 1657.
- Gracey, F. T., Clarksville, Tenn. Truck. No. 907,035; Dec. 15; Sp. p. 3689; Gaz. vol. 137; p. 1657.
- Gracey, F. T., Clarksville, Tenn. Lever. No. 907,036; Dec. 15; Sp. p. 3690; Gaz. vol. 137; p. 1657.
- Gracie, T. R., Pittsburg, Pa. Attachment for coffee-pots and the like. No. 904,949; Nov. 24; Sp. p. 4985; Gaz. vol. 137; p. 889.
- Gradwell, R., assignor to Oliver Typewriter Company, Chicago, Ill. Scale or indicator strip for type-writer carriages. No. 895,745; Aug. 11; Sp. p. 1943; Dr. p. 411; Gaz. vol. 135; p. 1238.
- Grady, C. B., West Orange, N. J. Concrete structure. No. 902,651; Nov. 3; Sp. p. 233; Gaz. vol. 137; p. 39.
- Grady, C. F. and F. L., Buffalo, N. Y. Gas-stove. No. 900,998; Oct. 13; Sp. p. 1971; Dr. p. 401; Gaz. vol. 136; p. 1404.
- Grady, F. L. (See Grady, C. F. and F. L.)
- Grady, J., New York, assignor to Columbia Machine Works & Malleable Iron Co., Brooklyn, N. Y. Gear-case. No. 908,244; Dec. 29; Sp. p. 6246; Gaz. vol. 137; p. 2125.
- Graeber, F. R., and C. T. Entrikin, Philadelphia, Pa. Coin-register. No. 885,610; Apr. 21; Sp. p. 3978; Dr. pp. 830-1; Gaz. vol. 133; p. 1881.
- Graeber, F. R., C. T. Entrikin, and G. W. Garman, Philadelphia, Pa. Check-operated machine. No. 907,230; Dec. 22; Sp. p. 4108; Gaz. vol. 137; p. 1757.
- Graetz, K., Weissensee, near Berlin, Germany, assignor to S. Cohn, New York, N. Y. Machine for sewing tubular structures. No. 908,245; Dec. 29; Sp. p. 6249; Gaz. vol. 137; p. 2125.
- Graetz, M., Berlin, Germany. Lamp with inverted incandescent gas-burners. No. 884,816; Apr. 14; Sp. p. 2364; Dr. p. 496; Gaz. vol. 133; p. 1597.
- Graetz, M., Berlin, Germany. Inverted incandescent gas-lamp. No. 897,616; Sept. 1; Sp. p. 771; Dr. p. 163; Gaz. vol. 136; p. 122.
- Graf, A. (See Graf, O. and A.)
- Graf, A., Newbury, assignor of one-half to J. Joyce, Andover, Mass. Hydromotor. No. 891,214; June 16; Sp. p. 4091; Dr. pp. 898-9; Gaz. vol. 134; p. 1774.
- Graf, A., Newburyport, assignor of one-half to J. Joyce, Andover, Mass. Hydromotor. No. 894,135; July 21; Sp. p. 3657; Dr. pp. 755-6; Gaz. vol. 135; p. 636.
- Graf, J., West Chicago, Ill. Buckle-shield. No. 899,395; Sept. 22; Sp. p. 4238; Dr. p. 908; Gaz. vol. 136; p. 786.
- Graf, J. G., assignor to Graf-Morsbach Company, Cincinnati, Ohio. Riding-saddle. No. 891,213; June 16; Sp. p. 4089; Dr. p. 898; Gaz. vol. 134; p. 1773.
- Graf-Morsbach Company. (See Graf, J. G., assignor.)
- Graf, O. and A., Boehrigen, near Radolfzell, Germany. Machine for stringing up tobacco-leaves. No. 881,573; Mar. 10; Sp. p. 2151; Dr. p. 469; Gaz. vol. 133; p. 390.
- Grafe, W., Viola, Idaho. Whiffletree. No. 876,711; Jan. 14; Sp. p. 2110; Dr. pp. 459-60; Gaz. vol. 132; p. 373.
- Graff, A., Wellington, Kans. Vehicle-wheel. No. 895,554; Aug. 11; Sp. p. 1565; Dr. p. 330; Gaz. vol. 135; p. 1176.
- Graff, O. C., assignor to C. P. Kimball & Co., Chicago, Ill. Wind-shield. No. 891,537; June 23; Sp. p. 4770; Dr. p. 1032; Gaz. vol. 134; p. 1912.
- Graffenberger, F., Milwaukee, Wis. Convertible skate. No. 880,519; Mar. 3; Sp. p. 54; Dr. p. 13; Gaz. vol. 133; p. 12.
- Graffort, L. J., and P. L. Hoffman, New Carlisle, Ind. Ice-cream disher. No. 901,437; Oct. 20; Sp. p. 2867; Dr. p. 586; Gaz. vol. 136; p. 1583.
- Graffort, L. J., and P. L. Hoffman, New Carlisle, Ind. Ice-cream disher. No. 903,563; Nov. 10; Sp. p. 2064; Gaz. vol. 137; p. 369.
- Graft, J. A. (See Voigtlander, M. G., assignor.)
- Grager, E. W. (See Stoehr and Grager.)
- Graham, C. E. (See Bull, E. C., assignor.)
- Graham, C. F., near Sellersburg, Ind. Sound-producing mechanism. No. 877,327; Jan. 21; Sp. p. 3383; Dr. p. 733; Gaz. vol. 132; p. 617.
- Graham, C. W., assignor to Utica Industrial Company, Rome, N. Y. Machine for making cans. No. 890,901; June 16; Sp. p. 3461; Dr. pp. 758-60; Gaz. vol. 134; p. 1672.
- Graham, F. B., Garnett, Kans. Animal-breeder's bag. No. 899,251; Sept. 22; Sp. p. 4001; Dr. p. 853; Gaz. vol. 136; p. 742.
- Graham, F. B., Garnett, Kans. Impregnator. No. 899,728; Sept. 29; Sp. p. 4916; Dr. p. 1055; Gaz. vol. 136; p. 930.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Wire-splicer. No. 875,803; Jan. 7; Sp. p. 241; Dr. p. 52; Gaz. vol. 132; p. 44.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Reinforced concrete building. No. 875,804; Jan. 7; Sp. p. 242; Dr. p. 52; Gaz. vol. 132; p. 45.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Fitting for reinforced concrete structures. No. 879,163; Feb. 18; Sp. p. 2628; Dr. p. 548; Gaz. vol. 132; p. 1338.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Fitting for reinforced concrete structures. No. 885,240; Apr. 21; Sp. p. 3246; Dr. p. 677; Gaz. vol. 133; p. 1764.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Fitting for reinforced concrete structures. No. 885,992; Apr. 28; Sp. p. 4803; Dr. p. 1009; Gaz. vol. 133; p. 2038.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Reinforced concrete floor and ceiling. No. 888,999; May 26; Sp. p. 5399; Dr. p. 1146; Gaz. vol. 134; p. 964.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Reinforced concrete roof. No. 889,000; May 26; Sp. p. 5400; Dr. pp. 1146-7; Gaz. vol. 134; p. 964.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Reinforcing-frame for concrete structures. No. 889,223; June 2; Sp. p. 69; Dr. p. 15; Gaz. vol. 134; p. 1068.
- Graham, G. M., assignor to G. A. E. Kohler, Chicago, Ill. Reinforced concrete structure. No. 891,929; June 30; Sp. p. 5588; Dr. p. 1204; Gaz. vol. 134; p. 2075.
- Graham, I. L., Payne, Ohio. Reinforced concrete post. No. 892,826; July 7; Sp. p. 855; Dr. p. 182; Gaz. vol. 135; p. 146.
- Graham, J. (See Janney and Graham.)
- Graham, J. E., Salem, Va., assignor to American Flange Frog and Railway Improvement Company, Gainesville, Fla. Double-spring frog. No. 877,562; Jan. 28; Sp. p. 3862; Dr. p. 835; Gaz. vol. 132; p. 715.
- Graham, J. M. (See Deeds, W. S., assignor.)
- Graham, J. M., New York, N. Y., assignor, by mesne assignments, to Elevator Supply and Repair Company. Light-signal for elevators. No. 907,339; Dec. 22; Sp. p. 4317; Gaz. vol. 137; p. 1795.
- Graham, J. N. C., New York, N. Y. Card-mount. No. 884,086; Apr. 7; Sp. p. 849; Dr. p. 178; Gaz. vol. 133; p. 1327.
- Graham, J. R. (See Robertson and Graham.)
- Graham, J. W. (See Woods, J. O., assignor.)
- Graham, J. W., St. Louis, and C. A. Jones, Midland, Mo. Concrete ash-pit. No. 881,678; Mar. 10; Sp. p. 2357; Dr. p. 510; Gaz. vol. 133; p. 423.
- Graham, L. C., Whigham, Ga. Dental-crown-swaging machine. No. 881,574; Mar. 10; Sp. p. 2152; Dr. p. 470; Gaz. vol. 133; p. 390.
- Graham, M. M., Butte, Mont. Garment-buckle. No. 887,089; May 12; Sp. p. 1504; Dr. p. 319; Gaz. vol. 134; p. 276.
- Graham, S. T., Los Angeles, Cal. Ore-feeder. No. 899,527; Sept. 29; Sp. p. 4507; Dr. pp. 967-8; Gaz. vol. 136; p. 866.
- Graham, W., Virden, Ill. Draw-bar. No. 904,865; Nov. 24; Sp. p. 4820; Gaz. vol. 137; p. 862.
- Graham, W. S., assignor to Farlin and Orendorff Company, Canton, Ill. Corn-planter. No. 879,461; Feb. 18; Sp. p. 3228; Dr. pp. 672-3; Gaz. vol. 132; p. 1434.

Alphabetical list of patentees—Continued.

- Graham, W. S., assignor to Parlin and Orendorff Company, Canton, Ill. Riding beet-cultivator. No. 885,469; Apr. 21; Sp. p. 3692; Dr. pp. 774-5; Gaz. vol. 133; p. 1839.
- Graham, W. S., assignor to Parlin and Orendorff Company, Canton, Ill. Wheeled cultivator. No. 895,257; Aug. 4; Sp. p. 975; Dr. pp. 203-5; Gaz. vol. 135; p. 1055.
- Graham, W. S., assignor to Parlin and Orendorff Company, Canton, Ill. Clutch for corn-planters. No. 907,783; Dec. 29; Sp. p. 5266; Gaz. vol. 137; p. 1972.
- Graham, W. S., and F. L. Dewey, assignors to Parlin & Orendorff Company, Canton, Ill. Reversible disk harrow. No. 875,805; Jan. 7; Sp. p. 244; Dr. pp. 52-3; Gaz. vol. 132; p. 45.
- Graham-Yooll, F. R., Leith, Scotland. Shock-absorbing device for cycles. No. 880,297; Feb. 25; Sp. p. 4970; Dr. p. 1049; Gaz. vol. 132; p. 1742.
- Grahn, P. J., Boston, Mass. Return water-tank. No. 882,195; Mar. 17; Sp. p. 3426; Dr. p. 728; Gaz. vol. 133; p. 619.
- Graichen, O., Lawrence, Mass. Window-lock. No. 894,495; July 28; Sp. p. 4428; Dr. p. 916; Gaz. vol. 135; p. 776.
- Grand, A. A., Paris, France. Holder for tapes of paper or other material. No. 897,086; Aug. 25; Sp. p. 4664; Dr. p. 994; Gaz. vol. 135; p. 1719.
- Grand Rapids Show Case Company. (See Freeman, W., assignor.)
- Grand Rapids Show Case Company. (See Swanson, N., assignor.)
- Grand Rapids Show Case Company. (See Williams, W. K., assignor.)
- Grandjean, A., San Diego, Cal. Carbureter. No. 894,136; July 21; Sp. p. 3659; Dr. pp. 756-7; Gaz. vol. 135; p. 637.
- Grandpre, M. A. (See Martin and Grandpre.)
- Grandy, C. F. (See Grandy, J. F. and C. F.)
- Grandy, J. F. and C. F., Greenville, S. C. Cross-tie. No. 877,328; Jan. 21; Sp. p. 3384; Dr. p. 733; Gaz. vol. 132; p. 617.
- Granel, A. C., St. Cloud, France. Carbureting device. No. 900,999; Oct. 13; Sp. p. 1974; Dr. p. 401; Gaz. vol. 136; p. 1405.
- Granger, E. E., Chicago, Ill. Electric-railway conduit. No. 898,216; Sept. 8; Sp. p. 1991; Dr. pp. 424-5; Gaz. vol. 136; p. 346.
- Granger, H. F., *et al.* (See Mayette, E., assignor.)
- Granieri, L., assignor to A. G. E. S. Società in Accomandita Semplice per l'Esercizio dei Brevetti Granieri, Rome, Italy. Road-vehicle wheel-axle. No. 903,080; Nov. 3; Sp. p. 1102; Gaz. vol. 137; p. 179.
- Graninger, S. A., Washington, D. C. Picture-hanger. No. 906,127; Dec. 8; Sp. p. 1993; Gaz. vol. 137; p. 1340.
- Granitz, F. (See Bastian and Granitz.)
- Grann, O. T., Cadillac, Mich. Door-lock. No. 880,985; Mar. 3; Sp. p. 1000; Dr. p. 214; Gaz. vol. 133; p. 169.
- Grannose, C. E., Philadelphia, Pa. Boat. No. 890,045; June 9; Sp. p. 1714; Dr. p. 379; Gaz. vol. 134; p. 1360.
- Granstrom, A., Readville, Mass. Collapsible tap. No. 897,088; Aug. 25; Sp. p. 4666; Dr. p. 994; Gaz. vol. 135; p. 1719.
- Grant, A. G., Downey, Cal. Adjustable blackboard. No. 885,241; Apr. 21; Sp. p. 3247; Dr. p. 677; Gaz. vol. 133; p. 1765.
- Grant, A. H. (See Grant, M. N., C. J., and A. H.)
- Grant Automatic Machine Company. (See Grant and Fieg, assignors.)
- Grant, B. J., Galena, Kans. Checkrein. No. 897,977; Sept. 8; Sp. p. 1530; Dr. p. 325; Gaz. vol. 136; p. 271.
- Grant, C. E., Allendale, Cal. Floating pier. No. 876,170; Jan. 7; Sp. p. 942; Dr. p. 202; Gaz. vol. 132; p. 160.
- Grant, C. E., Allendale, Cal. Paint and rust removing machine. No. 894,628; July 28; Sp. p. 4694; Dr. p. 974; Gaz. vol. 135; p. 818.
- Grant, C. E., Chicago, Ill. Hoisting-machine. No. 893,919; July 21; Sp. p. 3210; Dr. pp. 661-2; Gaz. vol. 135; p. 564.
- Grant, C. J. (See Grant, M. N., C. J., and A. H.)
- Grant, C. J. H., Cedar Rapids, Iowa. Combined protractor and parallel-ruler. No. 895,258; Aug. 4; Sp. p. 980; Dr. p. 205; Gaz. vol. 135; p. 1056.
- Grant, D. (See Grant, P. G., assignor.)
- Grant, D. D., Pittsfield, Mass. Trolley-wheel. No. 882,753; Mar. 24; Sp. p. 4499; Dr. p. 958; Gaz. vol. 133; p. 836.
- Grant, E., Chicago, Ill. Foundry-molder's draw-screw. No. 906,526; Dec. 15; Sp. p. 2742; Gaz. vol. 137; p. 1497.
- Grant, E. H., administratrix. (See Grant, J. R.)
- Grant, E. H., Marshall, Mich. Tilting bin. No. 897,087; Aug. 25; Sp. p. 4665; Dr. p. 994; Gaz. vol. 135; p. 1719.
- Grant, E. J., Guilford, Me. Automatic oil-cup. No. 893,482; July 14; Sp. p. 2219; Dr. p. 466; Gaz. vol. 135; p. 390.
- Grant, F. W., *et al.* trustees. (See Pfadt, J. G., assignor.)
- Grant, H. L. (See Gates, Cogswell, and Grant.)
- Grant, J. (See Williams and Grant.)
- Grant, J., Forestburg, Tex. Packing. No. 901,339; Oct. 20; Sp. p. 2627; Dr. p. 540; Gaz. vol. 136; p. 1548.
- Grant, J. J., and J. F. Fieg, assignors to Grant Automatic Machine Company, Cleveland, Ohio. Change-speed gear mechanism. No. 907,142; Dec. 22; Sp. p. 3915; Gaz. vol. 137; p. 1727.
- Grant, J. F., Berkeley, Cal. Grinding attachment for bicycles. No. 875,806; Jan. 7; Sp. p. 246; Dr. p. 53; Gaz. vol. 132; p. 46.
- Grant, J. R., deceased; E. H. Grant, administratrix, Amethyst, Colo. Fish-screen. No. 886,797; May 5; Sp. p. 958; Dr. p. 200; Gaz. vol. 134; p. 155.
- Grant-Lees Machine Company. (See Lees, E. J., assignor.)
- Grant, M. N., Columbus, C. J. and A. H. Grant, Groveport, Ohio. Attachment for brick-machines. No. 893,796; July 21; Sp. p. 2963; Dr. p. 606; Gaz. vol. 135; p. 524.
- Grant, M. N., Columbus, C. J. and A. H. Grant, Groveport, Ohio. Attachment for brick-machines. No. 900,521; Oct. 6; Sp. p. 970; Dr. p. 196; Gaz. vol. 136; p. 1220.
- Grant, O. B., Davenport, Iowa. Track construction for railways. No. 899,041; Sept. 22; Sp. p. 3556; Dr. p. 761; Gaz. vol. 136; p. 671.
- Grant, O. F., and J. G. McDowell, Pittsburg, Pa. Hydraulic motor. No. 880,298; Feb. 25; Sp. p. 4972; Dr. p. 1049; Gaz. vol. 132; p. 1743.
- Grant, P. G., assignor to D. Grant, Memphis, Tenn. Treating cotton-seed hulls. No. 907,340; Dec. 22; Sp. p. 4319; Gaz. vol. 137; p. 1795.
- Grant Pulley and Hardware Company. (See McQueen, U. G., assignor.)
- Grant, R. F., assignor to Beckwith Box Toe Company, Boston, Mass. Feed-roll for leather-skiving machines, &c. No. 887,625; May 12; Sp. p. 2622; Dr. p. 553; Gaz. vol. 134; p. 452.
- Grant, T. G. H. (See Wilson, W., assignor.)
- Grant, W. C., Queen City, Tex. Portable baker and broiler. No. 897,459; Sept. 1; Sp. p. 451; Dr. p. 96; Gaz. vol. 136; p. 71.
- Grant, W. L. (See Martin, Grant, McGavock, Haynes, and Voorhies.)
- Grant, W. M., Richmond, assignor of one-half to M. J. O'Neil, Manchester, Va. Smoke-consumer. No. 901,291; Oct. 13; Sp. p. 2525; Dr. p. 519; Gaz. vol. 136; p. 1497.
- Grantland, J. W., assignor to Haines, Jones & Cadbury Company, Philadelphia, Pa. Automatic periodic flushing apparatus. No. 884,483; Apr. 14; Sp. p. 1648; Dr. p. 354; Gaz. vol. 133; p. 1455.
- Grantland, J. W., assignor to Haines, Jones & Cadbury Company, Philadelphia, Pa. Means for flushing receptacles. No. 884,484; Apr. 14; Sp. p. 1650; Dr. pp. 354-5; Gaz. vol. 133; p. 1456.
- Grasberger, B. A., Richmond, Va. Coat-hanger. No. 890,271; June 9; Sp. p. 2197; Dr. p. 482; Gaz. vol. 134; p. 1434.
- Grasberger, L. B. (See Perkins, J. N., assignor.)
- Graser, T. T., Rochester, N. Y. Toilet-roll-paper holder. No. 883,538; Mar. 31; Sp. p. 6109; Dr. pp. 1299-1300; Gaz. vol. 133; p. 1121.
- Graser, T. T., Rochester, N. Y. Bag. No. 907,492; Dec. 22; Sp. p. 4636; Gaz. vol. 137; p. 1846.
- Grass, J. L., assignor to American Bank Protection Company, Minneapolis, Minn. Vault-lining. No. 880,020; Feb. 25; Sp. p. 4404; Dr. p. 925; Gaz. vol. 132; p. 1651.
- Grasselli Chemical Company. (See Lihme, I. P., assignor.)
- Grasselli Chemical Company. (See Ziesing, R., assignor.)
- Grasser, W. H., Clarkston, Wash. Compound tool. No. 886,202; Apr. 28; Sp. p. 5196; Dr. p. 1094; Gaz. vol. 133; p. 2105.
- Grasshaw, T., Columbia, Ill. Garden-hoe. No. 886,203; Apr. 28; Sp. p. 5198; Dr. p. 1094; Gaz. vol. 133; p. 2106.
- Graszynski, P. W., Tempelhof, near Berlin, Germany. Fireproof building. No. 876,171; Jan. 7; Sp. p. 943; Dr. pp. 202-3; Gaz. vol. 132; p. 160.
- Gratama, W. D., Rijswijk, Netherlands. Vulcanizer. No. 891,687; June 23; Sp. p. 5100; Dr. p. 1101; Gaz. vol. 134; p. 1963.
- Grattan, W., Dookie, Victoria, Australia. Furniture-drawer. No. 884,727; Apr. 14; Sp. p. 2176; Dr. p. 461; Gaz. vol. 133; p. 1567.
- Gratton, J. A., Kempton, N. D. Hog-gambrel. No. 892,719; July 7; Sp. p. 642; Dr. p. 136; Gaz. vol. 135; p. 112.
- Gratz, B. (See Scholz, H., assignor.)
- Gratze, E. V., Leytonstone, England. Instrument for indicating speeds, distances covered, and the like. No. 877,711; Jan. 28; Sp. p. 4140; Dr. p. 896; Gaz. vol. 132; p. 761.
- Grau, A., and F. Russ, Vienna, Austria-Hungary. Making nitrogen oxides from air. No. 884,919; Apr. 14; Sp. p. 2566; Dr. p. 540; Gaz. vol. 133; p. 1627.
- Grau, A., and F. Russ, Vienna, Austria-Hungary. Apparatus for making nitrogen oxides from the air. No. 884,920; Apr. 14; Sp. p. 2567; Dr. p. 540; Gaz. vol. 133; p. 1627.
- Grau, B., Kratzwieck, near Stettin, Germany. Treatment of blast-furnace slag for production of hydraulic cement. No. 905,813; Dec. 1; Sp. p. 1377; Gaz. vol. 137; p. 1210.
- Grau, R. Z. de, Barcelona, Spain. Feed-water heater. No. 883,191; Mar. 31; Sp. p. 5376; Dr. p. 1144; Gaz. vol. 133; p. 1009.

Alphabetical list of patentees—Continued.

- Grauhering, O., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gun with screw elevating mechanism and adjustable sight device. No. 886,598; May 5; Sp. p. 506; Dr. p. 108; Gaz. vol. 134; p. 91.
- Grauhering, O., Essen-Rüttenscheid, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Sighting apparatus for guns. No. 891,836; June 30; Sp. p. 5411; Dr. pp. 1169-70; Gaz. vol. 134; p. 2044.
- Grauman, Beckman, and Brooks. (See Brooks, George H., assignor.)
- Graumiller, L., H. Rosenberger, and E. B. Smith, Detroit, Mich. Knockdown table. No. 889,600; June 2; Sp. p. 809; Dr. p. 184; Gaz. vol. 134; p. 1188.
- Graumüller, A., Dresden, Germany. Carbureter. No. 901,237; Oct. 13; Sp. p. 2398; Dr. p. 492; Gaz. vol. 136; p. 1478.
- Graupner, L. C., San Francisco, Cal. Centrifugal-impact dry pulverizer. No. 878,878; Feb. 11; Sp. p. 2059; Dr. p. 427; Gaz. vol. 132; p. 1206.
- Gravell, J. E., San Francisco, Cal. Stone-cutting machine. No. 894,267; July 28; Sp. p. 3565; Dr. p. 817; Gaz. vol. 135; p. 700.
- Gravell, J. H., Philadelphia, Pa., and G. D. Farwell, assignors of one-third to P. C. Farwell, Bridgeport, Conn. Picture-exhibition device. No. 900,522; Oct. 6; Sp. p. 971; Dr. p. 197; Gaz. vol. 136; p. 1220.
- Gravelle, J., assignor of two-thirds to C. A. Blumhard and J. S. Koch, Philadelphia, Pa. Mechanical bell-operating device. No. 900,723; Oct. 13; Sp. p. 1395; Dr. p. 284; Gaz. vol. 136; p. 1314.
- Graves, C., Sandwich, Ill. Hay-loader. No. 881,397; Mar. 10; Sp. p. 1809; Dr. pp. 391-2; Gaz. vol. 133; p. 332.
- Graves, C. B., Buffalo, N. Y. Puzzle. No. 897,089; Aug. 25; Sp. p. 4667; Dr. p. 994; Gaz. vol. 135; p. 1720.
- Graves, G. W., assignor to Graves Supply Co., New York, N. Y. Ignition device for gas-burners. No. 896,987; Aug. 25; Sp. p. 4467; Dr. p. 954; Gaz. vol. 135; p. 1686.
- Graves and Graves Company. (See Roberts, H. P., assignor.)
- Graves, I., et al., executors. (See Griffin, W. T.)
- Graves, J., Milwaukee, Wis. Fly-net machine. No. 892,827; July 7; Sp. p. 856; Dr. pp. 182-4; Gaz. vol. 135; p. 146.
- Graves, R. L., Sumter, Oreg. Miner's lamp. No. 886,204; Apr. 28; Sp. p. 5199; Dr. p. 1095; Gaz. vol. 133; p. 2106.
- Graves, R. L., Centerville, Miss. Fertilizer-distributor. No. 894,629; July 28; Sp. p. 4695; Dr. p. 975; Gaz. vol. 135; p. 819.
- Graves, R. R., assignor of one-half to H. A. Dove, Salem, Oreg. Bottle. No. 898,575; Sept. 15; Dr. p. 2694; Dr. p. 576; Gaz. vol. 136; p. 494.
- Graves Supply Co. (See Graves, G. W., assignor.)
- Graves, T. S., Weston, Mo. Photographic developing-machine. No. 897,090; Aug. 25; Sp. p. 4669; Dr. p. 995; Gaz. vol. 135; p. 1720.
- Graves, T. S., Weston, Mo. Film-handling device. No. 897,251; Aug. 25; Sp. p. 5091; Dr. p. 1062; Gaz. vol. 135; p. 1777.
- Graves, T. S., near Weston, Mo. Film-handling device. No. 907,037; Dec. 15; Sp. p. 3692; Gaz. vol. 137; p. 1657.
- Graves, W. E., assignor of one-half to C. De Marsh, Marinetta, Wis. Grinder attachment for sewing-machines. No. 897,252; Aug. 25; Sp. p. 5094; Dr. pp. 1062-3; Gaz. vol. 135; p. 1777.
- Graves, W. W. (See Mudd, E. C., assignor.)
- Gravity Coal Bin Company. (See Otis, S., assignor.)
- Gray, A., New York, N. Y. Traveling-case. No. 896,529; Aug. 18; Sp. p. 3494; Dr. p. 750; Gaz. vol. 135; p. 1513.
- Gray, A. G., St. John, New Brunswick, Canada. Vibrator. No. 883,013; Mar. 24; Sp. p. 5010; Dr. p. 1066; Gaz. vol. 133; p. 920.
- Gray, A. J., St. Paul, Minn. Door or gate support and closer. No. 889,365; June 2; Sp. p. 340; Dr. p. 79; Gaz. vol. 134; p. 1113.
- Gray, A. S., Grand Rapids, Mich. Hydraulic air-pump. No. 907,341; Dec. 22; Sp. p. 4321; Gaz. vol. 137; p. 1795.
- Gray, A. S., assignor to R. J. Beatty, trustee, Chicago, Ill. Electrolytic cell. No. 884,015; Apr. 7; Sp. p. 701; Dr. pp. 141-2; Gaz. vol. 133; p. 1304.
- Gray, C., et al., executors. (See Gray, F.)
- Gray, C. A., assignor to B. W. Boxmeyer, Kansas City, Mo. Emergency-valve for sprinkler systems. No. 882,822; Mar. 24; Sp. p. 4628; Dr. p. 983; Gaz. vol. 133; p. 857.
- Gray, C. E. (See Rodden and Gray.)
- Gray, C. H., et al., executors. (See Gray, F.)
- Gray, C. H., Silvertown, England. Closing device for air-tight bottles, jars, and other receptacles. No. 884,378; Apr. 14; Sp. p. 1446; Dr. p. 308; Gaz. vol. 133; p. 1452.
- Gray, C. J. (See Gray, J. B., C. J., and S. B.)
- Gray, D. C. (See Fesler, M. A., assignor.) (Reissue.)
- Gray, D. C., Rahway, N. J. Paper-holding clamp. No. 898,460; Sept. 15; Sp. p. 2470; Dr. p. 528; Gaz. vol. 136; p. 457.
- Gray, D. E., New York, N. Y. Electric switch. No. 893,160; July 14; Sp. p. 1576; Dr. pp. 333-4; Gaz. vol. 135; p. 287.
- Gray, E. W., Jacksonville, Fla. Laundry record-book. No. 903,283; Nov. 10; Sp. p. 1500; Gaz. vol. 137; p. 277.
- Gray, F., deceased, Chicago, Ill.; C. H. and C. Gray, executors, assignors to General Fire Extinguisher Company, New York, N. Y. Pressure-maintaining system. No. 896,823; Aug. 25; Sp. p. 4093; Dr. p. 880; Gaz. vol. 135; p. 1631.
- Gray, F. H. (See Cole, B. A., assignor.)
- Gray, G. A., assignor to E. A. Clark, Winthrop, Mass. Rolling-window lock. No. 906,010; Dec. 8; Sp. p. 1767; Gaz. vol. 137; p. 1303.
- Gray, G. E. (See Bowman, G. W., assignor.)
- Gray, G. W. (See Gray, J. E., assignor.)
- Gray, H. (See Berry, C. M., assignor.)
- Gray, H., assignor of one-third to M. M. Buttrey, Dickson, one-third to J. Tucker, Brentwood, and one-sixth to J. H. Callender, Nashville, Tenn. Bumping-post. No. 877,472; Jan. 21; Sp. p. 3647; Dr. pp. 790-1; Gaz. vol. 132; p. 663.
- Gray, H. J. (See McCloskey and Gray.)
- Gray, H. L., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film cartridge. No. 876,271; Jan. 7; Sp. p. 1146; Dr. p. 249; Gaz. vol. 132; p. 192.
- Gray, H. M., assignor of sixty-five eighths to E. G. Bell, E. E. Krutz, W. H. Mering, J. H. Mering, and R. A. Ohloff, Pittsburg, G. F. Felger, Wilkinsburg, and A. Franke, Irwin, Pa. Ingot-mold. No. 902,872; Nov. 3; Sp. p. 693; Gaz. vol. 137; p. 115.
- Gray, I. C., assignor to Automatic Boiler Cleaner Company, Logansport, Ind. Cleaner for steam-boilers. No. 884,728; Apr. 14; Sp. p. 2177; Dr. p. 462; Gaz. vol. 133; p. 1567.
- Gray, J. A., San Francisco, Cal. Automatic packing-machine. No. 897,091; Aug. 25; Sp. p. 4674; Dr. pp. 996-7; Gaz. vol. 135; p. 1720.
- Gray, J. B., C. J., and S. B., Ottawa, Kans. Load-controlled brake. No. 908,246; Dec. 29; Sp. p. 6249; Gaz. vol. 137; p. 2125.
- Gray, J. E., New Mills, England, assignor of one-half to G. W. Gray, North Adams, Mass. Aging and steaming chamber for fabrics. No. 879,867; Feb. 25; Sp. p. 4087; Dr. p. 857; Gaz. vol. 132; p. 1600.
- Gray, J. M., Jr., et al. (See Medearis, W. R., assignor.)
- Gray, J. W., Salt Lake City, Utah. Stiffening-cape for coat-collars. No. 882,674; Mar. 24; Sp. p. 4343; Dr. p. 924; Gaz. vol. 133; p. 810.
- Gray, J. Y., Clanton, Ala. Harness-saddle. No. 883,192; Mar. 31; Sp. p. 5377; Dr. p. 1145; Gaz. vol. 133; p. 1009.
- Gray, M. E. (See Gray, W. and M. E.)
- Gray, M. E., Rochester, N. Y. Reinforcement for pails, buckets, &c. No. 890,640; June 16; Sp. p. 2937; Dr. p. 643; Gaz. vol. 134; p. 1587.
- Gray, M. E., Rochester, N. Y. Metallic washtub. No. 893,321; July 14; Sp. p. 1878; Dr. p. 393; Gaz. vol. 135; p. 338.
- Gray, M. E. and W., Rochester, N. Y. Handle for dippers. No. 884,485; Apr. 14; Sp. p. 1653; Dr. p. 355; Gaz. vol. 133; p. 1486.
- Gray, N. O. (See Kirby, H. A., assignor.)
- Gray, R. M., et al. (See Fowler, S. E., assignor.)
- Gray, S. B. (See Gray, J. B., C. J., and S. B.)
- Gray, T. (See Fraser and Gray.)
- Gray, T. B. (See Roche, H. N., assignor.)
- Gray, T. J., Indianapolis, Ind., assignor to H. E. and J. E. Bulloch, Chicago, Ill. Cotton-picking finger. No. 902,227; Oct. 27; Sp. p. 4508; Dr. p. 913; Gaz. vol. 136; p. 1868.
- Gray Telephone Pay Station Company. (See Long, G. A., assignor.)
- Gray, W. (See Gray, M. E. and W.)
- Gray, W., Rochester, N. Y. Watering-can. No. 880,522; Mar. 3; Sp. p. 57; Dr. p. 13; Gaz. vol. 133; p. 13.
- Gray, W., Rochester, N. Y. Cover for washboilers and like articles. No. 893,484; July 14; Sp. p. 2224; Dr. p. 467; Gaz. vol. 135; p. 391.
- Gray, W., Lincoln, Nebr. Feed for grain, ore, and universal separators. No. 891,688; June 23; Sp. p. 5103; Dr. p. 1101; Gaz. vol. 134; p. 1963.
- Gray, W., Lincoln, Nebr. High-pressure steam and water cooker. No. 893,483; July 14; Sp. p. 2221; Dr. pp. 466-7; Gaz. vol. 135; p. 391.
- Gray, W. and M. E., Rochester, N. Y. Mixing and kneading machine. No. 876,633; Jan. 14; Sp. p. 1963; Dr. p. 428; Gaz. vol. 132; p. 348.
- Gray, W. B., Glenanne, Ireland. Scutching-machine. No. 906,409; Dec. 8; Sp. p. 2513; Gaz. vol. 137; p. 1432.
- Gray, W. J., Jeannette, Pa. Ornamental pedestal, column, and pilaster. No. 879,629; Feb. 18; Sp. p. 3584; Dr. p. 750; Gaz. vol. 132; p. 1489.
- Graybill, J. E., York, Pa., assignor to General Electric Company. Machine for manufacturing mount-tubes. No. 883,875; Apr. 7; Sp. p. 414; Dr. pp. 81-2; Gaz. vol. 133; p. 1257.
- Graybill, J. E., York, Pa., assignor to General Electric Company. Machine for forming mount-tubes. No. 885,039; Apr. 21; Sp. p. 2804; Dr. pp. 593-4; Gaz. vol. 133; p. 1698.
- Grayson, P., New York, N. Y. Apparatus for cooling rooms. No. 904,420; Nov. 17; Sp. p. 3854; Gaz. vol. 137; p. 686.
- Graziano, F., New Orleans, La. Railway signal apparatus. No. 880,072; Feb. 25; Sp. p. 4514; Dr. p. 949; Gaz. vol. 132; p. 1667.

Alphabetical list of patentees—Continued.

- Grazier, H. G. (See Baker, J. S., assignor.)
 Great American Automatic Vending Machine Company. (See Wyatt, A. E., assignor.)
 Greaves, L. von, *et al.* (See Kilpatrick, R. W., assignor.)
 Greeff, E. F., *et al.* (See Roeder, G. H., assignor.)
 Greeley, C. U., Bangor, Me. Automatic mail-delivering apparatus. No. 892,250; June 30; Sp. p. 6207; Dr. pp. 4337-8; Gaz. vol. 134; p. 2179.
 Green, A., Whittington Moor, near Chesterfield, England. Molding-machine. No. 893,797; July 21; Sp. p. 2964; Dr. p. 606; Gaz. vol. 135; p. 524.
 Green, B. L., Mount Clemens, Mich. Clasp. No. 885,993; Apr. 28; Sp. p. 4805; Dr. p. 1009; Gaz. vol. 133; p. 2039.
 Green, C. M., Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 905,512; Dec. 1; Sp. p. 819; Gaz. vol. 137; p. 1113.
 Green, C. M., Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 905,814; Dec. 1; Sp. p. 1378; Gaz. vol. 137; p. 1210.
 Green, C. R., Dayton, Ohio. Pneumatic hammer. No. 905,692; Dec. 1; Sp. p. 1147; Gaz. vol. 137; p. 1169.
 Green, D. F., Fort Wayne, Ind. Nose-guard for eyeglasses. No. 877,994; Feb. 4; Sp. p. 193; Dr. p. 43; Gaz. vol. 132; p. 881.
 Green, D. R., Waterloo, Iowa. Liner for centrifugal cream-separators. No. 895,010; Aug. 4; Sp. p. 482; Dr. p. 97; Gaz. vol. 135; p. 972.
 Green, D. S., St. Louis, Mo. Mail-bag catcher. No. 882,559; Mar. 24; Sp. p. 4110; Dr. p. 871; Gaz. vol. 133; p. 771.
 Green, E., Hamilton, Wash. Necktie-frame. No. 895,629; Aug. 11; Sp. p. 1705; Dr. p. 362; Gaz. vol. 135; p. 1200.
 Green Engineering Company. (See Harrington, J., assignor.)
 Green, F. C., New York, assignor to Consolidated Car-Heating Company, Albany, N. Y. Illuminated electric heater. No. 893,994; July 21; Sp. p. 3378; Dr. p. 691; Gaz. vol. 135; p. 589.
 Green, F. D., Florence, Ala. Variable-speed gearing. No. 877,765; Jan. 28; Sp. p. 4238; Dr. p. 920; Gaz. vol. 132; p. 779.
 Green, F. D., Florence, Ala., assignor to one-half to W. T. Adams, Corinth, Miss. Wood-molding machine. No. 881,793; Mar. 10; Sp. p. 2575; Dr. p. 553; Gaz. vol. 133; p. 459.
 Green, F. W., Wakefield, England. Apparatus for heating air. No. 883,951; Apr. 7; Sp. p. 578; Dr. p. 115; Gaz. vol. 133; p. 1283.
 Green, F. W., Danbury, Conn. Needle-vending machine. No. 890,046; June 9; Sp. p. 1715; Dr. pp. 379-80; Gaz. vol. 134; p. 1361.
 Green, J. H., Freeport, Pa. Window-shade and curtain-poleholder. No. 884,656; Apr. 14; Sp. p. 2042; Dr. p. 435; Gaz. vol. 133; p. 1542.
 Green, J. H., Springfield, Ill. Renovator. No. 889,121; May 26; Sp. p. 5643; Dr. p. 1195; Gaz. vol. 134; p. 1002.
 Green, L. D., assignor to Davis Sewing Machine Company, Dayton, Ohio. Mechanical movement. No. 875,807; Jan. 7; Sp. p. 248; Dr. pp. 53-4; Gaz. vol. 132; p. 46.
 Green, L. G., assignor to R. M. Green & Sons, Philadelphia, Pa. Soda-water fountain. No. 878,379; Feb. 4; Sp. p. 984; Dr. pp. 198-9; Gaz. vol. 132; p. 1009.
 Green, R. S. (See Francis, G. A., assignor.)
 Green, S. M., Holyoke, Mass., assignor to American Thread Company, New York, N. Y. Press. No. 880,449; Feb. 25; Sp. p. 5275; Dr. pp. 1109-10; Gaz. vol. 132; p. 1793.
 Green & Sons, Robert M. (See Green, L. G., assignor.)
 Green, T. J., Andalusia, Ala. Subsoil-plow. No. 880,729; Mar. 3; Sp. p. 477; Dr. p. 103; Gaz. vol. 133; p. 84.
 Green, T. R., Riverside, Cal. Piston for air-pumps. No. 894,882; Aug. 4; Sp. p. 173; Dr. p. 37; Gaz. vol. 135; p. 927.
 Green, T. W., assignor to Wilbraham-Green Blower Company, Philadelphia, Pa. Boring and finishing device. No. 883,133; Mar. 24; Sp. p. 5250; Dr. pp. 1121-2; Gaz. vol. 133; p. 960.
 Green, V. E., Calva, Ill. Telephone-switch. No. 898,576; Sept. 15; Sp. p. 2695; Dr. p. 576; Gaz. vol. 136; p. 494.
 Green, W. H., Chicago Heights, assignor to Kennicott Water Softener Company, Chicago, Ill. Water-purifier. No. 898,735; Sept. 15; Sp. p. 3002; Dr. p. 643; Gaz. vol. 136; p. 545.
 Green, W. H., Chicago Heights, Ill., assignor to Kennicott Water Softener Company. Purifying water. No. 898,876; Sept. 15; Sp. p. 3256; Dr. pp. 696-7; Gaz. vol. 136; p. 592.
 Green, W. J., London, England. Branding-machine. No. 879,462; Feb. 18; Sp. p. 2324; Dr. p. 673; Gaz. vol. 132; p. 1434.
 Green, W. T., New York, N. Y. Printing-press. No. 885,747; Apr. 28; Sp. p. 4277; Dr. pp. 895-7; Gaz. vol. 133; p. 1955.
 Green, W. T., Vernal, Utah. Trap. No. 888,325; May 19; Sp. p. 3974; Dr. p. 837; Gaz. vol. 134; p. 710.
 Green, W. R., Kansas City, Mo. Bandage. No. 907,784; Dec. 29; Sp. p. 5268; Gaz. vol. 137; p. 1972.
 Green, W. R., Kansas City, Mo. Bandage. No. 907,785; Dec. 29; Sp. p. 5272; Gaz. vol. 137; p. 1973.
 Green, W. R., White Plains, assignor to Daniel Green Felt Shoe Company, Dolgeville, N. Y. Shoe and making the same. No. 894,733; July 23; Sp. p. 4831; Dr. p. 1016; Gaz. vol. 135; p. 852.
 Green, W. T., Norfolk, Va. Swing. No. 886,799; May 5; Sp. p. 960; Dr. pp. 200-1; Gaz. vol. 134; p. 156.
 Green, W. W., Niles, Mich. Lumber-truck. No. 906,128; Dec. 8; Sp. p. 1994; Gaz. vol. 137; p. 1341.
 Green, W. W., assignor to Garden City Fan Company, Chicago, Ill. Fan-wheel and casing. No. 889,001; May 26; Sp. p. 5402; Dr. pp. 1147-8; Gaz. vol. 134; p. 964.
 Greenawalt, D. F., York, Pa. Display-cabinet. No. 889,519; June 2; Sp. p. 662; Dr. p. 153; Gaz. vol. 134; p. 1163.
 Greenawalt, J. E., Denver, Colo. Precipitating metals. No. 876,340; Jan. 14; Sp. p. 1310; Dr. p. 283; Gaz. vol. 132; p. 248.
 Greenawalt, J. E., Denver, Colo. Treating materials by the action of air or other gases. No. 904,060; Nov. 17; Sp. p. 3098; Gaz. vol. 137; p. 562.
 Greenawalt, J. E., Denver, Colo. Precipitating apparatus. No. 906,011; Dec. 8; Sp. p. 1768; Gaz. vol. 137; p. 1304.
 Greenawalt, W. E., Denver, Colo. Apparatus for the extraction of metals from their ores. No. 901,611; Oct. 20; Sp. p. 3226; Dr. p. 661; Gaz. vol. 136; p. 1639.
 Greenaway, A. J., Detroit, Mich. Automatic valve. No. 897,285; Sept. 1; Sp. p. 38; Dr. p. 9; Gaz. vol. 136; p. 9.
 Greenblatt, I. L., San Francisco, Cal. Combined envelop and letter-sheet. No. 886,971; May 5; Sp. p. 1260; Dr. p. 266; Gaz. vol. 134; p. 200.
 Greene, A. E., Marshfield, Oreg. Valve-operating mechanism. No. 902,725; Nov. 3; Sp. p. 388; Gaz. vol. 137; p. 66.
 Greene, B. H., Sebring, Ohio. Die. No. 892,251; June 30; Sp. p. 6210; Dr. p. 1335; Gaz. vol. 134; p. 2179.
 Greene, C. E., assignor to E. H. Vavra & Co., Chicago, Ill. Confectionery-holder. No. 887,789; May 19; Sp. p. 2958; Dr. p. 622; Gaz. vol. 134; p. 537.
 Greene, E. E., assignor to one-half to C. Houston, Altoona, Pa. Stair-carpet fastener. No. 901,167; Oct. 13; Sp. p. 2277; Dr. p. 464; Gaz. vol. 136; p. 1457.
 Greene, E. F. (See Kleier, P. F., assignor.)
 Greene, F. B. (See Fournia and Greene.) (Reissue.)
 Greene, F. C., Cleveland, and C. G. Palmer, East Cleveland, Ohio, assignors, by mesne assignments, to said Greene. Weigh-pan. No. 876,541; Jan. 14; Sp. p. 1744; Dr. pp. 378-9; Gaz. vol. 132; p. 316.
 Greene, G. W., Atlanta, assignor to one-half to R. R. Cobb, Bivins, Tex. Lock. No. 907,038; Dec. 15; Sp. p. 3694; Gaz. vol. 137; p. 1658.
 Greene, H., Richmond, Ind. Head-rest. No. 906,410; Dec. 8; Sp. p. 2514; Gaz. vol. 137; p. 1432.
 Greene, J. H., High Point, N. C. Brush-handle. No. 880,986; Mar. 3; Sp. p. 1002; Dr. p. 214; Gaz. vol. 133; p. 170.
 Greene, J. W., Chillicothe, Mo. Mold for making dental plates. No. 891,689; June 23; Sp. p. 5104; Dr. p. 1101; Gaz. vol. 134; p. 1964.
 Greenes, S., Poughkeepsie, N. Y. Garment. No. 889,877; June 2; Sp. p. 1339; Dr. p. 305; Gaz. vol. 134; p. 1278.
 Greenfield, E. T., Kiamasha, N. Y. Machine for making metal tubing. No. 877,073; Jan. 21; Sp. p. 2855; Dr. pp. 616-17; Gaz. vol. 132; p. 532.
 Greenfield, E. T., Kiamasha, N. Y. Speed-indicator. No. 888,705; May 26; Sp. p. 4783; Dr. p. 1019; Gaz. vol. 134; p. 868.
 Greenfield, E. T., Kiamasha, N. Y. Speed-indicator. No. 888,798; May 26; Sp. p. 4981; Dr. p. 1063; Gaz. vol. 134; p. 898.
 Greenfield, E. T., Kiamasha, N. Y. Tire. No. 895,452; Aug. 11; Sp. p. 1356; Dr. p. 286; Gaz. vol. 135; p. 1142.
 Greenfield, E. T., Kiamasha, N. Y. Tire. No. 902,147; Oct. 27; Sp. p. 4338; Dr. p. 878; Gaz. vol. 136; p. 1843.
 Greenfield, E. T., Kiamasha, N. Y. Heating system. No. 902,148; Oct. 27; Sp. p. 4339; Dr. p. 879; Gaz. vol. 136; p. 1844.
 Greenhalgh, J. (See Greenhalgh, R. and J.)
 Greenhalgh, R. and J., Oldham, England. Machine for opening and cleaning cotton or other fibers. No. 903,969; Nov. 17; Sp. p. 2914; Gaz. vol. 137; p. 531.
 Greenland, H., Helena, Okla. Harness-hook. No. 878,380; Feb. 4; Sp. p. 986; Dr. p. 199; Gaz. vol. 132; p. 1009.
 Greenlaw Manufacturing Co. (See Greenlaw, W. A., assignor.)
 Greenlaw Manufacturing Co. (See Greenlaw and Royce, assignors.)
 Greenlaw, W. A., Melrose Highlands, assignor to Greenlaw Manufacturing Co., Boston, Mass. Device for cleaning boiler-tubes. No. 897,935; May 19; Sp. p. 3258; Dr. p. 684; Gaz. vol. 134; p. 586.
 Greenlaw, W. A., Melrose Highlands, assignor to Greenlaw Manufacturing Co., Boston, Mass. Flexible pipe-joint. No. 897,460; Sept. 1; Sp. p. 453; Dr. p. 97; Gaz. vol. 136; p. 71.
 Greenlaw, W. A., Melrose Highlands, and H. A. Royce, assignors to Greenlaw Manufacturing Co., Boston, Mass. Flexible pipe-joint. No. 897,461; Sept. 1; Sp. p. 454; Dr. p. 97; Gaz. vol. 136; p. 72.
 Greenleaf, E. H., and T. A. Dissel, Newburgh, N. Y. Support for electric service wires and cables. No. 879,765; Feb. 18; Sp. p. 3848; Dr. p. 806; Gaz. vol. 132; p. 1533.
 Greenleaf, G. E., Plainfield, N. J., and D. H. Teas, New Haven, Conn., assignors to Niles-Bement-Pond Company, Jersey City, N. J. Tool-holder. No. 902,652; Nov. 3; Sp. p. 233; Gaz. vol. 137; p. 40.

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- Greenleaf, L. A. (See Dudley, Greenleaf, and Dudley.)
 Greenleaf, R. (See Heno and Greenleaf.)
 Greenleaf, R. T., Philadelphia, Pa. Coal-chute. No. 898,977; Sept. 15; Sp. p. 3430; Dr. pp. 736-7; Gaz. vol. 136; p. 625.
 Greenlund, A. H., assignor to Jamestown Lounge Company, Jamestown, N. Y. Box-couch. No. 907,342; Dec. 22; Sp. p. 4322; Gaz. vol. 137; p. 1796.
 Greenman, L. P., Worcester, Mass. Hook. No. 891,538; June 23; Sp. p. 4771; Dr. p. 1033; Gaz. vol. 134; p. 1913.
 Greenman, L. P., Worcester, Mass. Hook. No. 891,539; June 23; Sp. p. 4773; Dr. p. 1033; Gaz. vol. 134; p. 1913.
 Greenough, C. E. (See Tufts, E. R., assignor.)
 Greensmith, J. E., *et al.*, executors. (See Meats, J. T.)
 Greenstreet, C. J., Alton, Ill. Producing gas. No. 906,793; Dec. 15; Sp. p. 3237; Gaz. vol. 137; p. 1581.
 Greenwald Brothers. (See Greenwald, J., assignor.)
 Greenwald, J., assignor to Greenwald Brothers, Incorporated, Philadelphia, Pa. Drawers. No. 907,593; Dec. 22; Sp. p. 4841; Gaz. vol. 137; p. 1879.
 Greenway, J. C., Coleraine, Minn. Apparatus for the concentration of ores, minerals, &c. No. 895,363; Aug. 4; Sp. p. 1173; Dr. p. 245; Gaz. vol. 135; p. 1090.
 Greenway, R. J., Jr., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery. No. 879,630; Feb. 18; Sp. p. 3585; Dr. p. 751; Gaz. vol. 132; p. 1489.
 Greenwood, A. A. (See Connan, C. A., assignor.)
 Greenwood, J. W., Springfield, Ill. Bridle-bit. No. 899,298; Sept. 22; Sp. p. 4073; Dr. p. 870; Gaz. vol. 136; p. 756.
 Greenwood, T., Wolverley, near Kidderminster, England. Loom for the manufacture of tufted or pile fabrics. No. 895,630; Aug. 11; Sp. p. 1705; Dr. p. 362; Gaz. vol. 135; p. 1200.
 Greenwood, T., Wolverley, near Kidderminster, England. Loom for the manufacture of tufted or pile fabrics. No. 897,528; Sept. 1; Sp. p. 596; Dr. pp. 124-5; Gaz. vol. 136; p. 93.
 Greenwood, W. (See Peirano and Greenwood.)
 Greenwood, W. (See Williams and Greenwood.)
 Greenwood, W. H., Everett, Mass. Guard for incandescent electric lamps. No. 906,411; Dec. 8; Sp. p. 2515; Gaz. vol. 137; p. 1432.
 Greer, F. (See Dorff, C. J., assignor.)
 Greer, F. L., Norfolk, Va., assignor, by mesne assignments, to International Machine Corporation. Shoe-polishing machine. No. 907,786; Dec. 29; Sp. p. 5275; Gaz. vol. 137; p. 1973.
 Greer, F. M., Winona, Minn. Game. No. 888,883; May 26; Sp. p. 5178; Dr. p. 1099; Gaz. vol. 134; p. 927.
 Greer, G., *et al.* (See Williams, D., assignor.)
 Greer, H., Jr., Chicago, Ill., and J. R. Thompson, Ironwood, Mich. Excavator. No. 878,460; Feb. 4; Sp. p. 1131; Dr. pp. 232-3; Gaz. vol. 132; p. 1035.
 Greer, J. W., Mount Pleasant, Tex. Bottle-washing machine. No. 876,798; Jan. 14; Sp. p. 2249; Dr. p. 495; Gaz. vol. 132; p. 399.
 Greer, M., Atlanta, Ga. Pinning and holding device for jewelry. No. 878,523; Feb. 11; Sp. p. 1343; Dr. p. 272; Gaz. vol. 132; p. 1089.
 Greer, M., Atlanta, Ga. Jeweler's ring-clamp. No. 902,726; Nov. 3; Sp. p. 390; Gaz. vol. 137; p. 67.
 Greer, M., Atlanta, Ga. Fish-hook. No. 906,792; Dec. 15; Sp. p. 3236; Gaz. vol. 137; p. 1581.
 Greer, R. C., Chicago, Ill. Strainer for filters. No. 908,090; Dec. 29; Sp. p. 5893; Gaz. vol. 137; p. 2071.
 Greer, W., Great River, N. Y. Carnation-supporter. No. 891,059; June 16; Sp. p. 3804; Dr. p. 830; Gaz. vol. 134; p. 1726.
 Greer, W. N. (See Covey and Greer.)
 Gregg, R. H., Hammond, Ind. Coil-spring. No. 886,052; Apr. 28; Sp. p. 4926; Dr. p. 1035; Gaz. vol. 133; p. 2057.
 Gregory, E. H., Sioux Falls, S. D. Automatic belt-guide. No. 897,092; Aug. 25; Sp. p. 4678; Dr. p. 997; Gaz. vol. 135; p. 1721.
 Gregory, G. H., New York, N. Y. Sad-iron heater. No. 896,530; Aug. 18; Sp. p. 3495; Dr. p. 750; Gaz. vol. 135; p. 1514.
 Gregory, H. E., Fruitvale, Cal. Combined protractor and level. No. 883,798; Apr. 7; Sp. p. 246; Dr. p. 44; Gaz. vol. 133; p. 1231.
 Gregory, H. L., *et al.* (See Simonds, F. A., assignor.)
 Gregory, H. S., Tufnell Park, London, England. Means for cleansing casks. No. 877,074; Jan. 21; Sp. p. 2858; Dr. p. 617; Gaz. vol. 132; p. 533.
 Gregory, J. B. (See Neil, J. M., assignor.)
 Gregory, J. J., Jr., Punxsutawney, Pa. Stove-shield. No. 898,356; Sept. 8; Sp. p. 2246; Dr. p. 479; Gaz. vol. 136; p. 390.
 Gregory, J. W., assignor of three-fourths to M. F. Story, Coldwater, and J. W. Young, Jr., Elkton, Tenn. Cotton-compress. No. 878,796; Feb. 11; Sp. p. 1914; Dr. p. 393; Gaz. vol. 132; p. 1180.
 Gregory, R. K., Greensboro, N. C. Wheel. No. 902,072; Oct. 27; Sp. p. 4192; Dr. p. 850; Gaz. vol. 136; p. 1819.
 Gregory, R. K., Greensboro, N. C., assignor of one-half to J. H. White, Baltimore, Md. Surgeon's knife. No. 878,524; Feb. 11; Sp. p. 1344; Dr. p. 272; Gaz. vol. 132; p. 1089.
 Gregory, R. K., Greensboro, N. C., assignor of one-half to J. H. White, Baltimore, Md. Nut-lock. No. 888,486; May 26; Sp. p. 4330; Dr. p. 916; Gaz. vol. 134; p. 793.
 Gregory, R. K., Greensboro, N. C., assignor of one-half to J. H. White, Baltimore, Md. Resilient wheel. No. 893,322; July 14; Sp. p. 1880; Dr. p. 394; Gaz. vol. 135; p. 338.
 Gregory, T. M., Akron, Ohio. Means for molding hot-water bottles. No. 901,093; Oct. 13; Sp. p. 2153; Dr. pp. 439-40; Gaz. vol. 136; p. 1434.
 Gregson, E. G. L., Fort Worth, Tex. Window shade and curtain hanger. No. 885,040; Apr. 21; Sp. p. 2808; Dr. p. 594; Gaz. vol. 133; p. 1699.
 Gregson, L., assignor to Morse Twist Drill & Machine Company, New Bedford, Mass. Making drills. No. 879,631; Feb. 18; Sp. p. 3587; Dr. p. 751; Gaz. vol. 132; p. 1490.
 Greil, C. (See Hirsch and Greil.)
 Greilick, C. L., assignor to Traverse City Chair Co., Traverse City, Mich. Hinge for Morris chairs, &c. No. 877,766; Jan. 28; Sp. p. 4240; Dr. p. 920; Gaz. vol. 132; p. 779.
 Greilick, C. L., assignor to J. E. Greilick Company, Traverse City, Mich. Corner-fastening for cupboards, &c. No. 877,767; Jan. 28; Sp. p. 4241; Dr. p. 821; Gaz. vol. 132; p. 779.
 Greiner, A., *et al.* (See Walder, E., assignor.)
 Greiner, F., Berlin, assignor to Maschinenbau-Anstalt Altenessen A. G., Altenessen, Germany. Step-bearing. No. 882,061; Mar. 17; Sp. p. 3173; Dr. p. 675; Gaz. vol. 133; p. 577.
 Greiner, F., Jersey City, N. J., assignor to Anderson & Prigge, New York, N. Y. Binder-frame. No. 882,880; Mar. 24; Sp. p. 4763; Dr. p. 1013; Gaz. vol. 133; p. 877.
 Greiner, L. (See Wirth, E., assignor.)
 Greis, J., Wiesbaden, Germany. Furnace. No. 889,366; June 2; Sp. p. 343; Dr. p. 80; Gaz. vol. 134; p. 1113.
 Greist, H. M., New Haven, Conn., assignor to Greist Manufacturing Company. Sewing-machine-attachment holder. No. 900,067; Sept. 29; Sp. p. 5668; Dr. p. 1211; Gaz. vol. 136; p. 1042.
 Greist, J. M., deceased; M. F. W. and P. R. Greist, New Haven, Conn., administrators, assignors to Greist Manufacturing Company. Tuck-creaser for sewing-machines. No. 900,068; Sept. 29; Sp. p. 5670; Dr. p. 1211; Gaz. vol. 136; p. 1042.
 Greist, M. F. W., *et al.*, administrators. (See Greist, J. M.)
 Greist Manufacturing Company. (See Greist, H. M., assignor.)
 Greist Manufacturing Company. (See Greist, P. R., assignor.)
 Greist, P. R., *et al.*, administrators. (See Greist, J. M.)
 Greist, P. R., New Haven, Conn., assignor to Greist Manufacturing Company. Sewing-machine braider or corder. No. 900,069; Sept. 29; Sp. p. 5673; Dr. p. 1211; Gaz. vol. 136; p. 1043.
 Greist, P. R., New Haven, Conn., assignor to Greist Manufacturing Company. Sewing-machine-attachment holder. No. 900,070; Sept. 29; Sp. p. 5674; Dr. p. 1212; Gaz. vol. 136; p. 1043.
 Grelick, W. P. M., assignor to Elgin Milk and Cream Company, Elgin, Ill. Vacuum-pump. No. 898,461; Sept. 15; Sp. p. 2472; Dr. p. 529; Gaz. vol. 136; p. 458.
 Gremminger, J., assignor of one-fourth to S. C. Turner, Chester, Pa. Machine for automatically folding or plaiting goods in vats or keirs. No. 892,828; July 7; Sp. p. 861; Dr. pp. 184-5; Gaz. vol. 135; p. 147.
 Grenier, J. A., Beaver Falls, Pa. Protractor. No. 886,695; May 5; Sp. p. 723; Dr. p. 148; Gaz. vol. 134; p. 122.
 Grenier, J. N., Boston, Mass. Skylight. No. 880,654; Mar. 3; Sp. p. 334; Dr. p. 73; Gaz. vol. 133; p. 59.
 Grenon, H., New Haven, Conn. Holder for cans. No. 906,871; Dec. 15; Sp. p. 3396; Gaz. vol. 137; p. 1605.
 Gresham, L. D., Alba, Tex. Cotton-chopper. No. 895,259; Aug. 4; Sp. p. 982; Dr. p. 205; Gaz. vol. 135; p. 1056.
 Gressly, A., Frankfurt-on-the-Main, Germany, assignor to Cassella Color Company, New York, N. Y. Orange or brown dye and making same. No. 903,284; Nov. 10; Sp. p. 1501; Gaz. vol. 137; p. 277.
 Gressly, O. E., Beaver, Pa. Gas-washer. No. 891,474; June 23; Sp. p. 4650; Dr. p. 1007; Gaz. vol. 134; p. 1893.
 Gressner, H., Berlin, Germany. Needle-pad. No. 885,242; Apr. 21; Sp. p. 3249; Dr. p. 678; Gaz. vol. 133; p. 1765.
 Greth, J. C. W., assignor to Wm. B. Scaife & Sons Company, Pittsburg, Pa. Water-purifying apparatus. No. 890,047; June 9; Sp. p. 1718; Dr. p. 380; Gaz. vol. 134; p. 1361.
 Greuter, C. R., Wilkes-Barre, Pa. Multiple carbureter. No. 879,330; Feb. 18; Sp. p. 3042; Dr. pp. 633-4; Gaz. vol. 132; p. 1408.

Alphabetical list of patentees—Continued.

- Greuter, C. R., Wilkes-Barre, Pa. Carbureter. No. 888,487; May 26; Sp. p. 4331; Dr. p. 917; Gaz. vol. 134; p. 793.
- Greuter, C. R., Wilkes-Barre, Pa. Explosive-engine. No. 893,323; July 14; Sp. p. 1881; Dr. p. 394; Gaz. vol. 135; p. 338.
- Greuter, C. R., Holyoke, Mass., assignor to Matheson Motor Car Company, Wilkes-Barre, Pa. Friction-clutch. No. 879,100; Feb. 11; Sp. p. 2482; Dr. p. 517; Gaz. vol. 132; p. 1274.
- Greuter, C. R., assignor to Matheson Motor Car Company, Wilkes-Barre, Pa. Sparking device for explosive-engines. No. 894,775; July 28; Sp. p. 4954; Dr. p. 1033; Gaz. vol. 135; p. 865.
- Greve, H. L., Brooklyn, N. Y. Mailing-wrapper. No. 891,418; June 23; Sp. p. 4536; Dr. p. 986; Gaz. vol. 134; p. 1874.
- Greve, L. W., and C. B. Richards, assignors to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Stone-working tool. No. 904,692; Nov. 24; Sp. p. 4436; Gaz. vol. 137; p. 804.
- Grey, H. E. (See Parker and Grey.)
- Grey, I. A., New York, N. Y. Buckle. No. 876,799; Jan. 14; Sp. p. 2251; Dr. p. 495; Gaz. vol. 132; p. 399.
- Grey, W. S., Des Moines, Iowa. Seat-supporting device. No. 888,799; May 26; Sp. p. 4982; Dr. p. 1066; Gaz. vol. 134; p. 898.
- Gribbel, J., Wyncote, Pa. Prepayment mechanism. No. 891,771; June 23; Sp. p. 5251; Dr. p. 1138; Gaz. vol. 134; p. 1991.
- Gribben, J. (See James, E. B., assignor.)
- Gribben, J. U., and M. Mohr, Columbus, Ohio. Ventilating-cover for cisterns. No. 902,289; Oct. 27; Sp. p. 4640; Dr. p. 941; Gaz. vol. 136; p. 1889.
- Gribbin, J. J. (See Smith, E. H., assignor.)
- Gribble, T. L., *et al.* (See Watt, W. H., assignor.)
- Grice, A. G., Carnoustie, Scotland. Stone-dressing machine. No. 892,990; July 14; Sp. p. 1239; Dr. pp. 258-60; Gaz. vol. 135; p. 231.
- Gridley, G. O., Windsor, Vt. Power-transmitting mechanism for metal-working machines. No. 892,662; July 7; Sp. p. 524; Dr. pp. 111-12; Gaz. vol. 135; p. 93.
- Gridley, G. O., Windsor, Vt. Machine for turning eccentric-rings. No. 893,239; July 14; Sp. p. 1720; Dr. pp. 362-3; Gaz. vol. 135; p. 311.
- Gridley, G. O., Windsor, Vt. Multispindle-machine. No. 904,866; Nov. 24; Sp. p. 4821; Gaz. vol. 137; p. 862.
- Gridley, G. W., *et al.* (See Squires, A. C., assignor.)
- Grier, F. L. and G. L., Milford, Del. Dental cement and manufacturing the same. No. 889,002; May 26; Sp. p. 5404; Gaz. vol. 134; p. 964.
- Grier, G. L. (See Grier, F. L. and G. L.)
- Griesbach, R. C. (See Venner and Griesbach.)
- Griesch, W. H., Brooklyn, N. Y. Gem cutting and polishing apparatus. No. 893,920; July 21; Sp. p. 3214; Dr. p. 662; Gaz. vol. 135; p. 565.
- Griesel, F., Schellmühl, near Danzig, assignor to Chemische Fabrik Actien-Gesellschaft vormals Moritz Milch & Co., Zweigniederlassung Danzig, Danzig, Germany. Apparatus for cutting up superphosphate masses. No. 899,042; Sept. 22; Sp. p. 3558; Dr. p. 762; Gaz. vol. 136; p. 672.
- Grieser, R., assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Feeding mechanism for reliefographs. No. 883,399; Mar. 31; Sp. p. 5821; Dr. pp. 1241-2; Gaz. vol. 133; p. 1076.
- Grieser, R., assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Die-carrier. No. 883,400; Mar. 31; Sp. p. 5826; Dr. p. 1242; Gaz. vol. 133; p. 1077.
- Grieser, R., assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Carriage-operating mechanism for reliefographs. No. 883,401; Mar. 31; Sp. p. 5828; Dr. p. 1242; Gaz. vol. 133; p. 1077.
- Griesinger, J., assignor of one-half to W. F. Wismar, Los Angeles, Cal. Book. No. 881,794; Mar. 10; Sp. p. 2577; Dr. p. 553; Gaz. vol. 133; p. 459.
- Griessmann, A., and O. Gottschling, Berlin, Germany. Equalizing device for pumps, turbines, and the like. No. 907,343; Dec. 22; Sp. p. 4324; Gaz. vol. 137; p. 1796.
- Griessmann, F. A., Berlin, Germany. Automatic balancing device for centrifugal pumps and the like. No. 898,462; Sept. 15; Sp. p. 2474; Dr. p. 529; Gaz. vol. 136; p. 458.
- Grieve, T., and J. Morrissey, Perth Amboy, N. J. Stop for engines. No. 889,459; June 2; Sp. p. 537; Dr. p. 125; Gaz. vol. 134; p. 1144.
- Griffeth, F. E., Athens, Ga. Hand-planter. No. 880,379; Feb. 25; Sp. p. 5119; Dr. p. 1081; Gaz. vol. 132; p. 1768.
- Griffeth, F. E., assignor to Griffeth Manufacturing Company, Athens, Ga. Device for attaching and detaching horses to and from vehicles. No. 883,134; Mar. 24; Sp. p. 5253; Dr. p. 1122; Gaz. vol. 133; p. 960.
- Griffeth Manufacturing Company. (See Griffeth, F. E., assignor.)
- Griffin, A. E., Winthrop, assignor to S. B. Condit, Jr., Boston, Mass. Synchronous speed-indicator. No. 904,693; Nov. 24; Sp. p. 4437; Gaz. vol. 137; p. 804.
- Griffin, A. P., Troy, N. Y. Butter mold and cutter. No. 904,421; Nov. 17; Sp. p. 3856; Gaz. vol. 137; p. 686.
- Griffin, E. L., Deslacs, N. D. Shock-loader. No. 896,635; Aug. 18; Sp. p. 3678; Dr. pp. 789-90; Gaz. vol. 135; p. 1546.
- Griffin, F. W., *et al.* (See Myers, C. D., assignor.)
- Griffin, J. A., Olean, N. Y. Bottom for baskets or demijohns, &c. No. 881,919; Mar. 17; Sp. p. 2875; Dr. p. 613; Gaz. vol. 133; p. 531.
- Griffin, J. M., Detroit, Mich. Wheel-truing brake-shoe. No. 908,247; Dec. 29; Sp. p. 6250; Gaz. vol. 137; p. 2126.
- Griffin, J. S., Roslyn, Wash. Shaft-polishing machine. No. 895,364; Aug. 4; Sp. p. 1176; Dr. p. 247; Gaz. vol. 135; p. 1090.
- Griffin, J. S., Sac City, Iowa. Fruit-picker. No. 906,412; Dec. 8; Sp. p. 2517; Gaz. vol. 137; p. 1433.
- Griffin, M. A. (See Skahan, J. J., assignor.)
- Griffin, M. W., Aberdeen, Miss. Railway-switch. No. 896,011; Aug. 11; Sp. p. 2474; Dr. p. 532; Gaz. vol. 135; p. 1323.
- Griffin, W. M., Manchester, N. H. Shoe-upper. No. 877,075; Jan. 21; Sp. p. 2859; Dr. p. 617; Gaz. vol. 132; p. 533.
- Griffin, W. T., deceased, Linoges, France; J. E. Blake, I. S. Graves, and C. H. Clarke, executors. Briquetting carbonaceous materials. No. 905,693; Dec. 1; Sp. p. 1150; Gaz. vol. 137; p. 1170.
- Griffith, C. E., Philadelphia, Pa. Car vestibule-door and trap. No. 876,871; Jan. 14; Sp. p. 2401; Dr. p. 523; Gaz. vol. 132; p. 424.
- Griffith, D. J., Frostburg, Md. Railway-switch. No. 879,256; Feb. 18; Sp. p. 2795; Dr. pp. 585-6; Gaz. vol. 132; p. 1368.
- Griffith, I. L., Fribourg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil-support for dynamo-electric machines. No. 905,868; Dec. 8; Sp. p. 1498; Gaz. vol. 137; p. 1258.
- Griffith, J. K., Los Angeles, Cal. Checkrein. No. 893,161; July 14; Sp. p. 1578; Dr. p. 334; Gaz. vol. 135; p. 287.
- Griffith, L., Yonkers, N. Y., assignor, by mesne assignments, to Federal Signal Company. Railway switch and signal apparatus. No. 906,012; Dec. 8; Sp. p. 1770; Gaz. vol. 137; p. 1304.
- Griffith, L., Yonkers, N. Y., assignor, by mesne assignments, to Federal Signal Company. Electric apparatus for railway switches, signals, and the like. No. 906,129; Dec. 8; Sp. p. 1995; Gaz. vol. 137; p. 1341.
- Griffith, L., Yonkers, N. Y., assignor, by mesne assignments, to Federal Signal Company. Safety device for railway switch and signal apparatus. No. 906,492; Dec. 8; Sp. p. 2669; Gaz. vol. 137; p. 1461.
- Griffith, L. H., Seattle, Wash. Hydraulic conveyor. No. 890,139; June 9; Sp. p. 1892; Dr. p. 419; Gaz. vol. 134; p. 1392.
- Griffith, N. B., assignor to Keystone Supply & Manufacturing Company, Philadelphia, Pa. Water-closet. No. 900,071; Sept. 29; Sp. p. 5676; Dr. p. 1212; Gaz. vol. 136; p. 1043.
- Griffith, S., assignor of one-half to P. C. Brooks, Beloit, Wis. Molder's apparatus. No. 882,823; Mar. 24; Sp. p. 4630; Dr. p. 987; Gaz. vol. 133; p. 858.
- Griffith, W. H., Omaha, Nebr. Wire fencing. No. 880,138; Feb. 25; Sp. p. 4639; Dr. p. 979; Gaz. vol. 132; p. 1688.
- Griffith, W. H., Omaha, Nebr. Wire fencing. No. 884,379; Apr. 14; Sp. p. 1447; Dr. p. 308; Gaz. vol. 133; p. 1452.
- Griffith, W. J., Flint, Mich. Gas-engine. No. 890,272; June 9; Sp. p. 2198; Dr. pp. 482-3; Gaz. vol. 134; p. 1434.
- Griffiths, S. M., Easton, assignor to himself, and M. May, Philadelphia, Pa. Wearing-apparel, such as collars and cuffs. No. 900,724; Oct. 13; Sp. p. 1396; Dr. p. 284; Gaz. vol. 136; p. 1315.
- Griffiths, W. U., Philadelphia, Pa. Water-closet apparatus. No. 901,438; Oct. 20; Sp. p. 2869; Dr. p. 586; Gaz. vol. 136; p. 1583.
- Grigg, W. E., New York, N. Y. Bluing-strainer. No. 888,081; May 19; Sp. p. 3523; Dr. p. 736; Gaz. vol. 134; p. 632.
- Griggs, D. C., and R. H. Smith, assignors to Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Slotting-machine. No. 884,480; Apr. 14; Sp. p. 1654; Dr. pp. 355-6; Gaz. vol. 133; p. 1486.
- Griggs, M. G., Atlanta, Ga. Educational appliance. No. 882,463; Mar. 17; Sp. p. 3908; Dr. p. 836; Gaz. vol. 133; p. 707.
- Griggs, S. E., Seattle, Wash. Vacuum apparatus. No. 878,723; Feb. 11; Sp. p. 1,655; Dr. p. 365; Gaz. vol. 132; p. 1156.
- Grim, J. M. (See Lukens, T. H., assignor.)
- Grimes, C. D., deceased; H. E. Dill, Dayton, Ohio, administrator. Machine for forming and applying wire bails to paper boxes. (Re-issue.) No. 12,835; July 28; Sp. p. 5032; Dr. pp. 1047-9; Gaz. vol. 135; p. 876.
- Grimes, H. W. (See Bergman and Grimes.)
- Grimm, G. H., Rutland, Vt. Evaporator. No. 884,272; Apr. 7; Sp. p. 1231; Dr. p. 259; Gaz. vol. 133; p. 1388.
- Grimm, O., Obersleben, Germany. Lubricating device for gas-engine cylinders. No. 907,039; Dec. 15; Sp. p. 3696; Gaz. vol. 137; p. 1658.
- Grimm, R. (See Kruse and Grimm.)
- Grimmer, J., Griffith, Ind. Railway-tie. No. 904,061; Nov. 17; Sp. p. 3100; Gaz. vol. 137; p. 563.
- Grimmett, J. F. (See Singleton, J. E., assignor.)
- Grimson, S., New York, N. Y. Lighted sign. No. 888,082; May 19; Sp. p. 3524; Dr. pp. 736-7; Gaz. vol. 134; p. 632.
- Grindrod, J., Bakersfield, Cal. Rotary machine. No. 893,485; July 14; Sp. p. 2226; Dr. p. 467; Gaz. vol. 135; p. 391.
- Griner, G. S., Bridgeton, N. J. Bottle-stopper. No. 889,003; May 26; Sp. p. 5405; Dr. p. 1148; Gaz. vol. 134; p. 965.

Alphabetical list of patentees—Continued.

- Grise, C. W. (See Lees and Grise.)
 Grissinger, J. F. (See Striker and Grissinger.)
 Grissom, H. H., Balbec, Ind. Post. No. 891,246; June 23; Sp. p. 4172; Dr. p. 914; Gaz. vol. 134; p. 1817.
 Griswold, C., and S. G. Averell, New York, N. Y. Gas-engine. No. 885,921; Apr. 28; Sp. p. 4645; Dr. pp. 977-8; Gaz. vol. 133; p. 2014.
 Griswold, D. C., assignor of one-half to W. H. Joy, North Wilbraham, Mass. Step-bearing device. No. 898,406; Sept. 8; Sp. p. 2341; Dr. p. 497; Gaz. vol. 136; p. 407.
 Griswold, E., Erie, Pa. Hydraulic-pump regulator. No. 877,563; Jan. 28; Sp. p. 3864; Dr. p. 836; Gaz. vol. 132; p. 715.
 Griswold, H. D., Providence, R. I. Bicycle handle-bar. No. 903,468; Nov. 10; Sp. p. 1866; Gaz. vol. 137; p. 337.
 Griswold, H. J., Eureka, Cal. Combined potato-masher and spoon. No. 887,790; May 19; Sp. p. 2960; Dr. p. 623; Gaz. vol. 134; p. 537.
 Griswold, H. J., Eureka, Cal. Heel-plate. No. 887,791; May 19; Sp. p. 2960; Dr. p. 623; Gaz. vol. 134; p. 358.
 Griswold, R. A., Dundee, Ill. Wagon-brake. No. 891,247; June 23; Sp. p. 4173; Dr. p. 914; Gaz. vol. 134; p. 1817.
 Grittner, J. H. (See Robinson and Grittner.)
 Groat, N. A., Monte Vista, Colo. Belt-guide. No. 899,970; Sept. 29; Sp. p. 5442; Dr. p. 1160; Gaz. vol. 136; p. 1010.
 Grob, A., assignor to Firm of Basle Chemical Works, Basel, Switzerland. Red vat dye and making the same. No. 891,690; June 23; Sp. p. 5105; Gaz. vol. 134; p. 1964.
 Grob, A., assignor to Firm of Basle Chemical Works, Basel, Switzerland. Violet vat dyestuff and making same. No. 904,867; Nov. 24; Sp. p. 4827; Gaz. vol. 137; p. 863.
 Grob, M., Winterthur, Switzerland. Electric installation working with turbo-dynamos and accumulators. No. 878,525; Feb. 11; Sp. p. 1345; Dr. pp. 272-3; Gaz. vol. 132; p. 1090.
 Grobl, S., Chicago, Ill. Toy. No. 899,448; Sept. 22; Sp. p. 4332; Dr. p. 930; Gaz. vol. 136; p. 803.
 Groce, J. M., Parkersburg, W. Va. Apparatus for holding and dispensing air-tight canned goods, &c. No. 890,048; June 9; Sp. p. 1720; Dr. p. 381; Gaz. vol. 134; p. 1361.
 Grochau, A. E., Pau Claire, Wis. Pan. No. 888,160; May 19; Sp. p. 3675; Dr. p. 767; Gaz. vol. 134; p. 656.
 Grodaes, A. B., Arthur, N. D. Grader. No. 889,781; June 2; Sp. p. 1150; Dr. p. 267; Gaz. vol. 134; p. 1245.
 Grodaes, A. B., Arthur, N. D. Sho-soling device. No. 905,634; Dec. 1; Sp. p. 1152; Gaz. vol. 137; p. 1170.
 Grode, C. L., Providence, R. I. Stop for sprinkler-heads. No. 890,356; June 9; Sp. p. 2358; Dr. p. 520; Gaz. vol. 134; p. 1462.
 Grode, F. P., Wabash, Ind. Furniture-slat. No. 900,523; Oct. 6; Sp. p. 972; Dr. p. 197; Gaz. vol. 136; p. 1221.
 Grode, F. P., Wabash, Ind. Routing-machine. No. 900,524; Oct. 6; Sp. p. 974; Dr. pp. 197-9; Gaz. vol. 136; p. 1221.
 Grodsky, A., Cincinnati, Ohio. Tobacco-stemming machine. No. 901,000; Oct. 13; Sp. p. 1976; Dr. p. 402; Gaz. vol. 136; p. 1405.
 Groebli, J. A., assignor to Kursheedt Manufacturing Company, New York, N. Y. Embroidering-machine. No. 902,814; Nov. 3; Sp. p. 546; Gaz. vol. 137; p. 94.
 Groebli, J. A., assignor to Kursheedt Manufacturing Company, New York, N. Y. Stop mechanism for embroidering-machines. No. 902,815; Nov. 3; Sp. p. 550; Gaz. vol. 137; p. 95.
 Groebli, J. A., assignor to Kursheedt Manufacturing Company, New York, N. Y. Coupling mechanism for embroidering-machines. No. 902,816; Nov. 3; Sp. p. 554; Gaz. vol. 137; p. 95.
 Groebli, J. A., assignor to Kursheedt Manufacturing Company, New York, N. Y. Bore mechanism for embroidering-machines. No. 902,817; Nov. 3; Sp. p. 556; Gaz. vol. 137; p. 95.
 Groebli, J. A., assignor to Kursheedt Manufacturing Company, New York, N. Y. Festoon mechanism for embroidering-machines. No. 902,818; Nov. 3; Sp. p. 559; Gaz. vol. 137; p. 96.
 Groebli, J. A., assignor to Kursheedt Manufacturing Company, New York, N. Y. Embroidering-machine. No. 902,819; Nov. 3; Sp. p. 554; Gaz. vol. 137; p. 96.
 Groehn, W. C., assignor to Briscoe Manufacturing Company, Detroit, Mich. Metallic fender and mud-guard. No. 886,494; May 5; Sp. p. 300; Dr. p. 63; Gaz. vol. 134; p. 55.
 Groehn, W. C., assignor to Briscoe Manufacturing Company, Detroit, Mich. Fender-clip. No. 900,163; Oct. 6; Sp. p. 194; Dr. p. 40; Gaz. vol. 136; p. 1104.
 Groene, W. F. (See Le Blond and Groene.)
 Groenke, W. C., Milwaukee, Wis. Mail-box. No. 900,848; Oct. 13; Sp. p. 1659; Dr. p. 336; Gaz. vol. 136; p. 1355.
 Groetsch, J. C., and C. L. Saal, Jr., Paterson, N. J. Apparatus for delivering mail-bags from railway-trains. No. 902,228; Oct. 27; Sp. p. 4510; Dr. p. 914; Gaz. vol. 136; p. 1869.
 Groff, F. B., St. Johnsville, N. Y. Teat-cup. No. 878,057; Feb. 4; Sp. p. 336; Dr. p. 70; Gaz. vol. 132; p. 903.
 Groff, F. B., St. Johnsville, N. Y. Self-adjusting belt for cow-milkers. No. 878,058; Feb. 4; Sp. p. 337; Dr. p. 70; Gaz. vol. 132; p. 903.
 Groff, F. F., Lancaster, Pa. Panoramic attachment for cameras. No. 908,091; Dec. 29; Sp. p. 5894; Gaz. vol. 137; p. 2071.
 Groff, W. L., Lancaster, assignor of one-half to W. H. Lenker, Susquehanna township, Pa. Meat-holder. No. 880,486; Feb. 25; Sp. p. 5367; Dr. p. 1131; Gaz. vol. 132; p. 1807.
 Grogan, J. H., Reidsville, N. C. Tobacco-stick. No. 893,841; July 21; Sp. p. 3063; Dr. p. 625; Gaz. vol. 135; p. 540.
 Grognot, L., assignor to Société Dite: Les Produits Chimiques de Croissy Limited, Paris, France. Manufacture of resinous products capable of replacing natural resins. No. 906,219; Dec. 8; Sp. p. 2172; Gaz. vol. 137; p. 1371.
 Groh, L. G., Philadelphia, Pa. Feed-box. No. 893,623; July 21; Sp. p. 2534; Dr. p. 528; Gaz. vol. 135; p. 466.
 Groh, R. C., assignor of two-thirds to F. Seifert and S. H. Reeves, St. Louis, Mo. Fire-hose bridge. No. 886,798; May 5; Sp. p. 959; Dr. p. 200; Gaz. vol. 134; p. 156.
 Grohman, C., Carteret, N. J. Packing-tool. No. 890,508; June 9; Sp. p. 2637; Dr. p. 583; Gaz. vol. 134; p. 1510.
 Grohmann, B. (See Jahnel and Grohmann.)
 Gröling, A. von, Vienna, Austria-Hungary. Preventing the liberation of fire-damp. No. 906,872; Dec. 15; Sp. p. 3397; Gaz. vol. 137; p. 1606.
 Gromer, C. J., New York, N. Y. Cork-extractor. No. 892,720; July 7; Sp. p. 643; Dr. p. 136; Gaz. vol. 135; p. 112.
 Gromer, G., New York, N. Y. Skirt-supporter. No. 880,299; Feb. 25; Sp. p. 4974; Dr. p. 1050; Gaz. vol. 132; p. 1743.
 Grommet, A. G., Alton Ill. Passenger-recorder. No. 906,704; Dec. 15; Sp. p. 3065; Gaz. vol. 137; p. 1552.
 Gronberg, J. G. (See Thoits and Gronberg.)
 Gröndahl, H., Chicago, Ill., assignor to Burgess & Sauerberg, Grand Rapids, Mich. Computing slide-rule. No. 884,729; Apr. 14; Sp. p. 2178; Dr. p. 462; Gaz. vol. 133; p. 1567.
 Gröndal, G., Djursholm, Sweden. Apparatus for the magnetic separation of ore. No. 905,815; Dec. 1; Sp. p. 1380; Gaz. vol. 137; p. 1210.
 Gröndal, G., Djursholm, assignor to Metallurgiska Aktiebolaget, Stockholm, Sweden. Method of and means for utilizing the heat in furnaces of the channel type. No. 876,712; Jan. 14; Sp. p. 2110; Dr. pp. 460-2; Gaz. vol. 132; p. 374.
 Gröndal Kjellin Company. (See Hården, J., assignor.)
 Grönvald, A., assignor to J. J. Zimmermann, Milwaukee, Wis. Boiler-flue cleaner. No. 889,302; June 2; Sp. p. 212; Dr. p. 53; Gaz. vol. 134; p. 1092.
 Grönwall, E. A. A., Ludvika, Sweden. Smelting-furnace. No. 891,248; June 23; Sp. p. 4175; Dr. p. 914; Gaz. vol. 134; p. 1817.
 Gros, H. C., Leipzig-Leutzsch, Germany. Fastening device. No. 881,679; Mar. 10; Sp. p. 2358; Dr. p. 510; Gaz. vol. 133; p. 424.
 Grose, T., Port Adelaide, South Australia, Australia. Grain-scourer. No. 904,950; Nov. 24; Sp. p. 4986; Gaz. vol. 137; p. 890.
 Groshans, F., Baltimore, Md. Holder for dental flasks. No. 884,087; Apr. 7; Sp. p. 850; Dr. p. 179; Gaz. vol. 133; p. 1327.
 Grosjean, J. E. (See Gardner and Grosjean.)
 Gross, C. S., Philadelphia, Pa. Folding go-cart. No. 880,211; Feb. 25; Sp. p. 4791; Dr. p. 1015; Gaz. vol. 132; p. 1713.
 Gross, F. H., Washington, Ind. Sheet-metal tile. No. 908,248; Dec. 29; Sp. p. 6251; Gaz. vol. 137; p. 2126.
 Gross, G. (See Hoehn and Gross.)
 Gross, G. H., Binghamton, N. Y. Trolley. No. 880,021; Feb. 25; Sp. p. 4406; Dr. p. 926; Gaz. vol. 132; p. 1651.
 Gross, H. W., et al. (See Francis, Kaste, and Gross.)
 Gross, J. H., Norwalk, Ohio. Trolley-wheel support. No. 890,421; June 9; Sp. p. 2471; Dr. p. 547; Gaz. vol. 134; p. 1482.
 Gross, M., and F. P. Frebault, Jacksonville, Ohio. Package-tie. No. 906,413; Dec. 8; Sp. p. 2518; Gaz. vol. 137; p. 1433.
 Gross, W., Fall River, Mass. Warp-thread-detecting device. No. 898,357; Sept. 8; Sp. p. 2246; Dr. p. 479; Gaz. vol. 136; p. 390.
 Gross, W., Fall River, Mass. Warp stop-motion for looms. No. 898,358; Sept. 8; Sp. p. 2249; Dr. p. 479; Gaz. vol. 136; p. 390.
 Gross, W., Fall River, assignor to Draper Company, Hopedale, Mass. Warp-thread-detecting device. No. 887,475; May 12; Sp. p. 2338; Dr. p. 489; Gaz. vol. 134; p. 403.
 Gross, W. M., Salmon, Idaho. Steam-shovel. No. 892,829; July 7; Sp. p. 866; Dr. pp. 185-7; Gaz. vol. 135; p. 147.
 Grosse, W. H., Green Bay, Wis. Rail-joint. No. 887,792; May 19; Sp. p. 2962; Dr. p. 623; Gaz. vol. 134; p. 538.
 Grosse, M. W., Chicago, Ill. Fish-scaling device. No. 901,805; Oct. 20; Sp. p. 3659; Dr. p. 741; Gaz. vol. 136; p. 1704.
 Grossebauer, J., Paterson, N. J. Necktie attachment. No. 876,172; Jan. 7; Sp. p. 945; Dr. p. 203; Gaz. vol. 132; p. 161.
 Grosshans, C. C. (See Mitchell, W. H., assignor.)
 Grössler, H., Berlin, Germany. Type-writer. No. 900,525; Oct. 6; Sp. p. 979; Dr. p. 199; Gaz. vol. 136; p. 1222.
 Grossman, S., New York, N. Y. Stair. No. 888,882; May 26; Sp. p. 5176; Dr. p. 1099; Gaz. vol. 134; p. 927.
 Grossman, S., New York, N. Y. Stair. No. 888,884; May 26; Sp. p. 5180; Dr. p. 1100; Gaz. vol. 134; p. 927.
 Grosvenor, W. (See Paine, G. P., assignor.)
 Grosz, H., Philadelphia, Pa. Telephone system for fire-hose. No. 885,922; Apr. 28; Sp. p. 4648; Dr. p. 978; Gaz. vol. 133; p. 2014.
 Grote, F., Evansville, Ind. Automatic steam-heating system. No. 897,739; Sept. 1; Sp. p. 1005; Dr. p. 214; Gaz. vol. 136; p. 162.

Alphabetical list of patentees—Continued.

- Grote, F. J., Cincinnati, Ohio. Combined shade and curtain bracket. No. 897,093; Aug. 25; Sp. p. 4679; Dr. p. 997; Gaz. vol. 135; p. 1721.
- Grote, H. (See Visser and Grote.)
- Grotenhuis, W. J., assignor to Sanitary Steel Couch Company, Elkhart, Ind. Knockdown folding couch. No. 893,842; July 21; Sp. p. 5064; Dr. p. 625; Gaz. vol. 135; p. 540.
- Groth, A. N. (See Groth, G. H., assignor.)
- Groth, G. H., assignor of one-half to A. N. Groth, Cincinnati, Ohio. Vehicle-wheel. No. 903,708; Nov. 10; Sp. p. 2349; Gaz. vol. 137; p. 413.
- Grothe, J. (See Fuhlendorf and Grothe.)
- Grothe, L. O. (See Mitchell and Tombyll, assignors.)
- Grotta, D., Newark, N. J. Combined garment and hose-supporter. No. 900,725; Oct. 13; Sp. p. 1397; Dr. p. 284; Gaz. vol. 136; p. 1315.
- Grouan, J., Wheeling, W. Va. Cheese-cutter. No. 906,220; Dec. 8; Sp. p. 2174; Gaz. vol. 137; p. 1372.
- Groupe, A. V., Philadelphia, Pa., assignor to E. Jenckes Manufacturing Company, Pawtucket, R. I. Knitting-machine. No. 875,707; Jan. 7; Sp. p. 57; Dr. pp. 11-12; Gaz. vol. 132; p. 13.
- Grout, L. W., Springfield, Mass., assignor of one-half to W. Nicoll, Newark, N. J. Foot rest or guard for vehicles. No. 880,730; Mar. 3; Sp. p. 477; Dr. p. 101; Gaz. vol. 133; p. 84.
- Grove, E. W., St. Louis, Mo. Nasal douche. No. 893,995; July 21; Sp. p. 3379; Dr. p. 691; Gaz. vol. 135; p. 590.
- Grove, F. H., Halesowen, England. Button, brooch, belt-clasp, and buckle-front made from horn and hoof. No. 895,746; Aug. 11; Sp. p. 1945; Dr. p. 411; Gaz. vol. 135; p. 1238.
- Grove, J. R., Philipsburg, Pa. Automatic register-gage and gripper. No. 905,869; Dec. 8; Sp. p. 1500; Gaz. vol. 137; p. 1259.
- Grove, M. L., assignor of two-thirds to W. A. Wray, Tylersburg, and N. F. Hoover, Marienville, Pa. Automatic valve. No. 897,617; Sept. 1; Sp. p. 773; Dr. p. 163; Gaz. vol. 136; p. 122.
- Grover, A. D., Malden, Mass. Coin-controlled vending-machine, &c. No. 900,924; Oct. 13; Sp. p. 1824; Dr. p. 371; Gaz. vol. 136; p. 1380.
- Grover, W. B., Burt, Iowa. Loading apparatus. No. 902,873; Nov. 3; Sp. p. 694; Gaz. vol. 137; p. 115.
- Groves, C. L., Hartford City, Ind. Pneumatic conveyer. No. 884,016; Apr. 7; Sp. p. 704; Dr. p. 142; Gaz. vol. 133; p. 1305.
- Groves, J. R. (See Herr, Groves, and Foreman.)
- Grubb, L. D. (See Merritt and Grubb.)
- Grubbs, J. F., Oklahoma, Okla. Combination steam and water bath cabinet. No. 881,855; Mar. 10; Sp. p. 2716; Dr. p. 582; Gaz. vol. 133; p. 480.
- Grubbs, J. W., Shenandoah, Va. Attachment for dirt push-cars. No. 886,800; May 5; Sp. p. 964; Dr. pp. 201-2; Gaz. vol. 134; p. 156.
- Grube, M., Oakland, Cal. Air-ship. No. 907,992; Dec. 29; Sp. p. 5709; Gaz. vol. 137; p. 2039.
- Gruber, S. A., Pittsburg, Pa. Wrench. No. 886,206; Apr. 28; Sp. p. 5202; Dr. p. 1095; Gaz. vol. 133; p. 2106.
- Gruda, A. M. (See Gruda, J. E., assignor.)
- Gruda, J. E., assignor of one-half to A. M. Gruda, Chicago, Ill. Oil-burner. No. 908,249; Dec. 29; Sp. p. 6253; Gaz. vol. 137; p. 2126.
- Gruenfield, E., assignor to Baker Motor Vehicle Company, Cleveland, Ohio. Adjustable steering-mast support. No. 905,175; Dec. 1; Sp. p. 105; Gaz. vol. 137; p. 1000.
- Gruenfield, E., assignor to Baker Motor Vehicle Company, Cleveland, Ohio. Device for suspending battery-cradles. No. 905,176; Dec. 1; Sp. p. 106; Gaz. vol. 137; p. 1000.
- Gruet, J. P., Jr. (See Flautau, L. S., assignor.)
- Grublike, A. C., Waterloo, Ind. Cigar-lighter. No. 879,632; Feb. 18; Sp. p. 3589; Dr. p. 751; Gaz. vol. 132; p. 1490.
- Grünbaum, M., Berne, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Printing sulfurized dyestuffs. No. 901,705; Oct. 20; Sp. p. 3465; Gaz. vol. 136; p. 1673.
- Grunden, E. A., Carney, Mich. Stump-puller. No. 875,808; Jan. 7; Sp. p. 253; Dr. p. 54; Gaz. vol. 132; p. 47.
- Grundel, E., San Francisco, Cal. Tobacco-pipe. No. 898,877; Sept. 15; Sp. p. 3257; Dr. p. 697; Gaz. vol. 136; p. 592.
- Grundmann, P., Ostrau, Germany. Machine for distributing artificial manure, lime, or the like. No. 891,691; June 23; Sp. p. 5107; Dr. p. 1102; Gaz. vol. 134; p. 1964.
- Grundy, R. N., Guelph, Ontario, Canada. Cooking stove and range. No. 894,432; July 28; Sp. p. 4310; Dr. pp. 888-9; Gaz. vol. 135; p. 755.
- Grünenwald, A., Hohentwiel, Germany. Suckling arrangement for pigs. No. 898,878; Sept. 15; Sp. p. 3258; Dr. p. 697; Gaz. vol. 136; p. 592.
- Grüniger, J., New York, N. Y. Safety device for doors. No. 898,100; Sept. 8; Sp. p. 1771; Dr. p. 376; Gaz. vol. 136; p. 310.
- Grunow, F. A., New Orleans, La. Water-elevator. No. 901,238; Oct. 13; Sp. p. 2400; Dr. p. 492; Gaz. vol. 136; p. 1479.
- Grupe, J. P., Davenport, Iowa. Drier. No. 907,993; Dec. 29; Sp. p. 5712; Gaz. vol. 137; p. 2040.
- Gruss, G. H., Goldfield, Nev. Vehicle-wheel. No. 894,776; July 28; Sp. p. 4956; Dr. p. 1034; Gaz. vol. 135; p. 866.
- Grussendorf, G., Hanover, Germany. Pump. No. 892,150; June 30; Sp. p. 6022; Dr. p. 1294; Gaz. vol. 134; p. 2145.
- Grützmann, P., Stettin, assignor to Nähmaschinen- und Fahrräder-Fabrik Bernhard Stöwer Actien-Gesellschaft, Stettin-Grünhoff, Germany. Type-writer. No. 881,795; Mar. 10; Sp. p. 2579; Dr. p. 554; Gaz. vol. 133; p. 460.
- Gruwell, R. C. (See Matthews and Gruwell.)
- Grzeslowski, K., assignor of one-third to J. P. Kaczorowski, Chicago, Ill. Automatic gate for railway-crossings. No. 886,321; Apr. 28; Sp. p. 5441; Dr. pp. 1140-1; Gaz. vol. 133; p. 2147.
- Grzybowski, J. T., Grand Rapids, Mich. Carpet-sweeper. No. 905,695; Dec. 1; Sp. p. 1153; Gaz. vol. 137; p. 1170.
- Gschwend, A., and R. G. Cumber, said Gschwend assignor to A. F. Hammer, Seattle, Wash. Skirt-marker. No. 900,849; Oct. 13; Sp. p. 1660; Dr. p. 336; Gaz. vol. 136; p. 1356.
- Guarantee Title and Trust Co., trustee. (See Van Horn, C. B., assignor.)
- Gubelman, W. S., Buffalo, N. Y. Coaster-brake and speed gearing. No. 895,086; Aug. 4; Sp. p. 617; Dr. p. 128; Gaz. vol. 135; p. 997.
- Gudeman, N., Waco, Ind. Hinge. No. 894,630; July 28; Sp. p. 4696; Dr. p. 975; Gaz. vol. 135; p. 819.
- Gudger, F. A., assignor to Arlington Company, New York, N. Y. Pyroxylin collar. No. 905,068; Nov. 24; Sp. p. 5201; Gaz. vol. 137; p. 929.
- Guéniffet, J., A. Benoit, and J. Nicault, Paris, France. Cigarette-tube. No. 880,487; Feb. 25; Sp. p. 5368; Dr. p. 1131; Gaz. vol. 132; p. 1807.
- Guéniffet, J., A. Benoit, and J. Nicault, Paris, France. Cigarette tube or mouthpiece. No. 880,488; Feb. 25; Sp. p. 5369; Dr. p. 1131; Gaz. vol. 132; p. 1807.
- Guenther, D. S., Dayton, Ohio. Locking device for grease-plugs. No. 902,727; Nov. 3; Sp. p. 391; Gaz. vol. 137; p. 67.
- Guenther, F. L., Athens, Ohio. Clothes-pounder. No. 887,626; May 12; Sp. p. 2624; Dr. p. 553; Gaz. vol. 134; p. 452.
- Guenther, H. L., Ilwaco, Wash. Can capping and compressing machine. No. 891,162; June 16; Sp. p. 3966; Dr. pp. 869-71; Gaz. vol. 134; p. 1756.
- Guenther, H. L., Ilwaco, Wash. Can capping and compressing machine. No. 891,163; June 16; Sp. p. 3972; Dr. pp. 871-4; Gaz. vol. 134; p. 1756.
- Guenther, P., Dover, N. J. Sectional plaiting device for straight-knitting machines. No. 878,724; Feb. 11; Sp. p. 1767; Dr. pp. 365-6; Gaz. vol. 132; p. 1157.
- Guerin, E. B., East Orange, N. J. Harness. No. 895,365; Aug. 4; Sp. p. 1180; Dr. p. 248; Gaz. vol. 135; p. 1091.
- Guertey, C. H., Brooklyn, N. Y. Amusement apparatus. No. 902,073; Oct. 27; Sp. p. 4193; Dr. p. 850; Gaz. vol. 136; p. 1820.
- Guernsey, C. C., Derry, N. H., assignor of one-half to G. A. Porter and G. Proctor, Boston, Mass. Non-refillable bottle. No. 892,252; June 30; Sp. p. 6212; Dr. p. 1338; Gaz. vol. 134; p. 2180.
- Guett, M., assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn. Binding-post. No. 895,747; Aug. 11; Sp. p. 1945; Dr. p. 411; Gaz. vol. 135; p. 1238.
- Guett, M., assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 907,344; Dec. 22; Sp. p. 4325; Gaz. vol. 137; p. 1797.
- Guffey, H. D., Unionville, Mo. Road drag and harrow. No. 888,609; May 26; Sp. p. 4585; Dr. p. 972; Gaz. vol. 134; p. 838.
- Guffey, H. D., Unionville, Mo. Combined road-grader, drag, and harrow. No. 901,806; Oct. 20; Sp. p. 3659; Dr. p. 741; Gaz. vol. 136; p. 1704.
- Guhle, C. W. M., assignor of one-third to F. J. Ritter, Philadelphia, Pa. Guard or fender for vehicles. No. 896,104; Aug. 18; Sp. p. 2650; Dr. pp. 571-2; Gaz. vol. 135; p. 1376.
- Guibbini, J. S., Benicia, Cal. Combined retort and shaker. No. 881,120; Mar. 10; Sp. p. 1252; Dr. p. 270; Gaz. vol. 133; p. 242.
- Guidinger, J. P., Schuyler, Nebr. Bolting-cloth cleaner. No. 892,590; July 7; Sp. p. 374; Dr. p. 82; Gaz. vol. 135; p. 70.
- Guidry, T., Church Point, La. Baling-press. No. 899,666; Sept. 29; Sp. p. 4795; Dr. p. 1027; Gaz. vol. 136; p. 910.
- Guilford, O. C., Fort Wayne, Ind. Fish stringer or holder. No. 878,626; Feb. 11; Sp. p. 1588; Dr. p. 322; Gaz. vol. 132; p. 1125.
- Guilford, R. W., assignor to W. H. McIntyre, Auburn, Ind. Washer. No. 903,187; Nov. 3; Sp. p. 1304; Gaz. vol. 137; p. 244.
- Guilfoyle, J. D., Jacksonville, Fla., assignor of one-half to W. B. McGroarty, C. L. Bagwell, and E. B. Huff. Safety appliance for railway-switches. No. 892,591; July 7; Sp. p. 375; Dr. p. 83; Gaz. vol. 135; p. 70.
- Guillaume, E., Paris, France. Rectifying of alcoholic liquid. No. 887,793; May 19; Sp. p. 2963; Dr. p. 623; Gaz. vol. 134; p. 538.
- Gulbransen, A. G., assignor to Gulbransen, Dickinson Company, Chicago, Ill. Pneumatic for mechanical musical instruments. No. 891,930; June 30; Sp. p. 5590; Dr. p. 1205; Gaz. vol. 134; p. 2076.
- Gulbransen, A. G., assignor to Gulbransen, Dickinson Company, Chicago, Ill. Clamping mechanism for pneumatically-operated pianos. No. 903,285; Nov. 10; Sp. p. 1502; Gaz. vol. 137; p. 277.
- Gulbransen, Dickinson Company. (See Freborg, C., assignor.)

Alphabetical list of patentees—Continued.

- Gulbransen, Dickinson Company. (See Gulbransen, A. G., assignor.)
 Guldenarm, A. A., Buffalo, N. Y. Cheese-cutter. No. 877,642; Jan. 28; Sp. p. 4015; Dr. p. 867; Gaz. vol. 132; p. 740.
 Gulf Manufacturing Co. (See Jacob, H., assignor.)
 Gulick, D. H. (See Konigstein, G., assignor.)
 Gulick, E. J., Mishawaka, Ind. Means for flexibly connecting parts of a vehicle to a frame. No. 876,272; Jan. 7; Sp. p. 1147; Dr. p. 249; Gaz. vol. 132; p. 193.
 Gulick, E. J., Mishawaka, Ind. Transmission-gear and casing for automobiles. No. 904,774; Nov. 24; Sp. p. 4621; Gaz. vol. 137; p. 831.
 Gülke, C., assignor to Maschinenfabrik Germania, vorm. J. S. Schwalbe & Sohn, Chemnitz, Germany. Apparatus for rinsing and airing casks. No. 881,575; Mar. 10; Sp. p. 2153; Dr. p. 470; Gaz. vol. 133; p. 391.
 Gullick, C. A., Brookings, S. D. Automatic mail-box. No. 907,787; Dec. 29; Sp. p. 5281; Gaz. vol. 137; p. 1973.
 Gullixson, O. C. (See Gullixson, O. T. and O. C.)
 Gullixson, O. T. and O. C., Bode, Iowa. Ditching-machine. No. 900,072; Sept. 29; Sp. p. 5677; Dr. pp. 1212-13; Gaz. vol. 136; p. 1044.
 Gulzow, F. B., Flandreau, S. D. Concrete-mixer. No. 881,236; Mar. 10; Sp. p. 1489; Dr. pp. 320-1; Gaz. vol. 133; p. 281.
 Gumbinsky, O. (See Bullard, L. H., assignor.)
 Gundelach, E., assignor of one-half to R. J. Ehlers, New York, N. Y. Carbureter. No. 876,800; Jan. 14; Sp. p. 2252; Dr. p. 495; Gaz. vol. 132; p. 400.
 Gunderson, O., Bristol township, Worth county, Iowa. Milk-weighing machine. No. 880,073; Feb. 25; Sp. p. 4517; Dr. pp. 950-1; Gaz. vol. 132; p. 1667.
 Gunderson, O., Bristol township, Worth county, Iowa. Fluid-weighing machine. No. 895,748; Aug. 11; Sp. p. 1946; Dr. pp. 411-12; Gaz. vol. 135; p. 1238.
 Gundorph, F., Portland, Oreg. Trolley-wire finder. No. 880,655; Mar. 3; Sp. p. 337; Dr. p. 73; Gaz. vol. 133; p. 59.
 Gundrum, W. W. (See Otis and Gundrum.)
 Gunn, C. H., Marysville, Cal. Dredger and scraper. No. 876,634; Jan. 14; Sp. p. 1966; Dr. p. 428; Gaz. vol. 132; p. 349.
 Gunn, C. H., Marysville, Cal. Triangular dredging-bucket and hoist for same. No. 878,526; Feb. 11; Sp. p. 1348; Dr. pp. 273-4; Gaz. vol. 132; p. 1090.
 Gunn, F. (See Mitchell and Gunn.)
 Gunn, J. H., Cortland, N. Y. Electric signal for railways. No. 890,049; June 9; Sp. p. 1721; Dr. p. 381; Gaz. vol. 134; p. 1362.
 Gunn, W. P. (See Brents and Gunn.)
 Gunnell, E., Manitowoc, Wis. Hose-coupling. No. 882,497; Mar. 17; Sp. p. 3963; Dr. p. 847; Gaz. vol. 133; p. 718.
 Gunnis, R. H., *et al.* (See Marks, R. C., assignor.)
 Gunnison, S. W., Albany, Ga. Box-lifter. No. 895,366; Aug. 4; Sp. p. 1181; Dr. p. 248; Gaz. vol. 135; p. 1091.
 Günsberger, J. (See Moskovits, Berkovits, and Günsberger.)
 Gunter, W. S., Swedeburg, and C. E. Welton, Fairbury, Nebr. Announcing or station indicator for railways and street-cars. No. 882,675; Mar. 24; Sp. p. 4344; Dr. p. 924; Gaz. vol. 133; p. 810.
 Günther, E., and R. Franke, Eisleben, Germany. Treating metallic ores or mattes. No. 879,633; Feb. 18; Sp. p. 3592; Gaz. vol. 132; p. 1490.
 Günther, E. J., Didsbury, England. Tool-holder for lathes, planing-machines, and other analogous machine-tools. No. 893,996; July 21; Sp. p. 3381; Dr. pp. 691-2; Gaz. vol. 135; p. 590.
 Gunther, J. D., *et al.* (See Richardson, R. K., assignor.)
 Gunther, J. E. (See Lyman, F. G., assignor.)
 Gunther, J. W., Portland, Oreg. Tufting-button. No. 884,273; Apr. 7; Sp. p. 1233; Dr. p. 259; Gaz. vol. 133; p. 1388.
 Gunther, O., Kellogg, Idaho. Sash-lock. No. 907,493; Dec. 22; Sp. p. 4637; Gaz. vol. 137; p. 1847.
 Günther, O., and L. Hesse, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dye. No. 877,643; Jan. 28; Sp. p. 4019; Gaz. vol. 132; p. 741.
 Günther, O., and L. Hesse, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dye. No. 877,644; Jan. 28; Sp. p. 4020; Gaz. vol. 132; p. 741.
 Günther, O., and L. Hesse, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. New disazo dye. No. 897,529; Sept. 1; Sp. p. 597; Gaz. vol. 136; p. 94.
 Günther, O., and L. Hesse, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. New disazo dye. No. 898,217; Sept. 8; Sp. p. 2001; Gaz. vol. 136; p. 346.
 Gunvalson, G. H., Minneapolis, Minn. Brace and plate. No. 898,046; Sept. 8; Sp. p. 1670; Dr. p. 354; Gaz. vol. 136; p. 292.
 Gunzel, C. H. (See Heber and Gunzel.)
 Gurgacz, M., *et al.* (See Chrusczyk, K., assignor.)
 Gurley, J. C., Norfolk, Va. Gasolene-tank. No. 888,488; May 26; Sp. p. 4333; Dr. p. 917; Gaz. vol. 134; p. 794.
 Gurley, J. F., and W. E. Lewis, Raleigh, N. C. Switch-stand. No. 906,130; Dec. 8; Sp. p. 1998; Gaz. vol. 137; p. 1341.
 Gury, J. B., St. Louis, Mo. Grinding-machine. No. 895,749; Aug. 11; Sp. p. 1947; Dr. p. 412; Gaz. vol. 135; p. 1239.
 Gury, J. B., St. Louis, Mo. Base for cloth-cutting machines. No. 901,439; Oct. 20; Sp. p. 2871; Dr. p. 586; Gaz. vol. 136; p. 1584.
 Gus V. Brecht Butcher Supply Company. (See Schraudner, F., assignor.)
 Gustafson, A. S., Chattanooga, Tenn. Mine-car. No. 895,179; Aug. 4; Sp. p. 805; Dr. p. 168; Gaz. vol. 135; p. 1028.
 Gustafson, A. S., Chattanooga, Tenn. Car-wheel. No. 898,463; Sept. 15; Sp. p. 2476; Dr. p. 529; Gaz. vol. 136; p. 458.
 Gustafson, C. G. (See Thompson, B. D., assignor.)
 Gustafson, C. J., Reading, Pa., assignor, by mesne assignments, to Reading Standard Company. Lubricating device. No. 887,090; May 12; Sp. p. 1505; Dr. p. 319; Gaz. vol. 134; p. 276.
 Gustafson, C. J., Reading, Pa., assignor, by mesne assignments, to Reading Standard Company. Muffler. No. 888,489; May 26; Sp. p. 4334; Dr. p. 917; Gaz. vol. 134; p. 794.
 Gustafson, C. J., Reading, Pa., assignor, by mesne assignments, to Reading Standard Company. Valve mechanism for gasolene-engines. No. 904,197; Nov. 17; Sp. p. 3399; Gaz. vol. 137; p. 611.
 Gustafson, C. V., Austin, Tex. Wind-turbine. No. 884,817; Apr. 14; Sp. p. 2365; Dr. p. 497; Gaz. vol. 133; p. 1598.
 Gustafson, E. A. (See Hansen, H., assignor.)
 Gustafson, G. A., Chicago, Ill. Furnace attachment. No. 880,656; Mar. 3; Sp. p. 338; Dr. pp. 73-4; Gaz. vol. 133; p. 59.
 Gustafson, H. C., Souris, N. D. Collar-stay. No. 902,576; Nov. 3; Sp. p. 88; Gaz. vol. 137; p. 15.
 Gustavsen, C. O., Columbus, Ohio. Apparatus for rolling spiral or helicoidal springs. No. 907,594; Dec. 22; Sp. p. 4842; Gaz. vol. 137; p. 1879.
 Gustavsen, C. O., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Conveyer. No. 902,530; Oct. 27; Sp. p. 5187; Dr. p. 1048; Gaz. vol. 136; p. 1971.
 Gustine, F. J., New Orleans, La. Trolley catcher and retriever. No. 879,257; Feb. 18; Sp. p. 2797; Dr. p. 586; Gaz. vol. 132; p. 1368.
 Gusztáv, V., Vienna, Austria-Hungary. Car-mover. No. 878,381; Feb. 4; Sp. p. 987; Dr. p. 199; Gaz. vol. 132; p. 1009.
 Gutenkunst, W., Milwaukee, Wis. Cattle-stanchion. No. 884,148; Apr. 7; Sp. p. 1015; Dr. p. 212; Gaz. vol. 133; p. 1348.
 Gutenkunst, W., Milwaukee, Wis. Hay-carrier. No. 895,555; Aug. 11; Sp. p. 1567; Dr. p. 331; Gaz. vol. 135; p. 1177.
 Guth, F. O., Chicago, Ill. Hose-coupling. No. 888,326; May 19; Sp. p. 3975; Dr. p. 837; Gaz. vol. 134; p. 710.
 Guth, H., Peoria, Ill. Music-turner. No. 893,486; July 14; Sp. p. 2227; Dr. pp. 467-8; Gaz. vol. 135; p. 392.
 Guth, S., Washington, Ill. Wagon-dump. No. 889,303; June 2; Sp. p. 213; Dr. p. 54; Gaz. vol. 134; p. 1093.
 Guthell, F. J., Port Huron, Mich. Wall-decorating machine. No. 889,520; June 2; Sp. p. 664; Dr. p. 154; Gaz. vol. 134; p. 1163.
 Guthrie, B., assignor of one-half to J. P. Karch, Pittsburg, Pa. Flying-machine. No. 886,122; Apr. 28; Sp. p. 5063; Dr. pp. 1062-3; Gaz. vol. 133; p. 2080.
 Guthrie, C. W. (See Rozine and Guthrie.)
 Guthrie, E., Washington, D. C. Self-paving-piano magazine. No. 891,802; June 23; Sp. p. 5322; Dr. p. 1152; Gaz. vol. 134; p. 2002.
 Guthrie, K. O., Brooklyn, N. Y. Sewer-mold. No. 883,194; Mar. 31; Sp. p. 5382; Dr. pp. 1146-7; Gaz. vol. 133; p. 1010.
 Guthrie, K. O., New York, assignor to M. S. Guthrie, Brooklyn, N. Y. Mold-panel. No. 906,493; Dec. 8; Sp. p. 2670; Gaz. vol. 137; p. 1461.
 Guthrie, M. S. (See Guthrie, K. O., assignor.)
 Guthrie, P. F., and T. Hayes, Nutley, N. J. Waste for bath-tubs, basins, and like fixtures. No. 903,081; Nov. 3; Sp. p. 1103; Gaz. vol. 137; p. 179.
 Guthrie, R., Lincoln, Nebr. Machine for boring post-holes. No. 885,041; Apr. 21; Sp. p. 2809; Dr. pp. 594-5; Gaz. vol. 133; p. 1699.
 Guthrie, R., Lincoln, Nebr. Machine for erecting posts and poles. No. 885,042; Apr. 21; Sp. p. 2813; Dr. p. 595; Gaz. vol. 133; p. 1699.
 Guthrie, R. L., Skagway, Alaska. Pocket-knife. No. 903,709; Nov. 10; Sp. p. 2350; Gaz. vol. 137; p. 413.
 Guthrie, V. G., Winters, Cal. Seed-distributor. No. 894,948; Aug. 4; Sp. p. 344; Dr. pp. 69-70; Gaz. vol. 135; p. 950.
 Guthrie, W. E. (See Buterbaugh, E. H., assignor.)
 Guttidge, S. E., and J. F. Baker, Newark, Ohio. Nut-retainer. No. 879,958; Feb. 25; Sp. p. 4291; Dr. p. 897; Gaz. vol. 132; p. 1631.
 Guttman, A. J., *et al.* (See McCarty, W. F. M., assignor.)
 Guttman, F., New York, N. Y. Catamenial drawers. No. 876,173; Jan. 7; Sp. p. 946; Dr. p. 204; Gaz. vol. 132; p. 161.
 Guttwein, C. (See Elsner and Guttwein.)
 Gützlaß, A., and G. Koenig, Redeu, Saar, Germany. Wedging device. No. 895,260; Aug. 4; Sp. p. 983; Dr. p. 206; Gaz. vol. 135; p. 1056.

Alphabetical list of patentees—Continued.

- Guy, A. E., Trenton, N. J., assignor to De Laval Steam Turbine Company, New York, N. Y. Multiple-impeller pump. No. 907,040; Dec. 15; Sp. p. 3697; Gaz. vol. 137; p. 1658.
- Guy, C., assignor to Petrific Cement Company, Iola, Kans. Composition of matter to be used as a cement compound. No. 878,382; Feb. 4; Sp. p. 989; Gaz. vol. 132; p. 1010.
- Guyer, R. H., La Fayette, Ind. Cement column. No. 881,183; Mar. 10; Sp. p. 1375; Dr. p. 296; Gaz. vol. 133; p. 263.
- Guyott, F. E., Northampton, Mass. Valve. No. 908,250; Dec. 29; Sp. p. 6255; Gaz. vol. 137; p. 2127.
- Gwladzowski, P. S. von, Berlin, Germany. Apparatus for indicating the water-level in baths. No. 903,970; Nov. 17; Sp. p. 2916; Gaz. vol. 137; p. 532.
- Gworek, A., Aurora, Ill. Planer. No. 885,611; Apr. 21; Sp. p. 3979; Dr. p. 831; Gaz. vol. 133; p. 1881.
- Gwyn, G. W., H. L. Ross, and H. R. Robbins, Smyrna, Tenn. Farm-gate. No. 902,874; Nov. 3; Sp. p. 699; Gaz. vol. 137; p. 116.
- Gwynne, J. H., Kansas City, Mo. Wire-fence stretcher. No. 900,726; Oct. 13; Sp. p. 1398; Dr. p. 284; Gaz. vol. 136; p. 1315.
- Gyurso, A. (See Eiben and Gyurso.)
- H. Adler Company. (See Adler, H., assignor.)
- H. Kleber & Brother Co. (See Osterberg, H. G. and A. F., assignors.)
- H. Mueller Manufacturing Company. (See Mueller, H., assignor.)
- H. Mueller Manufacturing Company. (See Mueller, P. and H., assignors.)
- H. Mueller Manufacturing Company. (See Mueller and Schuermann, assignors.)
- H. Mueller Manufacturing Company. (See Schuermann, A., assignor.)
- H. Wenzel Tent & Duck Company. (See Wenzel, H., assignor.)
- H. B. Rouse & Company. (See Knoll, W. J., assignor.)
- H. B. Smith Machine Company. (See Perry, J. L., assignor.)
- H. C. Frick Coke Company. (See Daniels, Backlin, and Eklund, assignors.)
- H. C. Fry Glass Company. (See Richardson, S. O., Jr., assignor.)
- H. C. Miller Company. (See Miller, H. C., assignor.)
- H. D. Beach Company. (See Gibson, F. W., assignor.)
- H. D. Taylor Company. (See Stengel, A. W., assignor.)
- H. F. Brammer Manufacturing Co. (See Edens, J., assignor.)
- H. H. Akers Manufacturing Company. (See Akers, H. H., assignor.)
- H. H. Franklin Manufacturing Company. (See Wilkinson, J., assignor.)
- H. J. Heinz Company. (See Hey and Braun, assignors.)
- H. K. Mulford Company. (See Turner and Vanderkleed, assignors.)
- H. & M. Automatic Regulator Company. (See Saugstad, O., assignor.)
- H. W. Johns-Manville Company. (See Jack, J. R., assignor.)
- H. W. Johns-Manville Company. (See Meek, J. E., assignor.)
- H. W. Johns-Manville Company. (See Perry, J. W., assignor.)
- Haack, P., and H. Munzert, Berlin, assignors to Flinsch & Co., Frankfort-on-the-Main, Germany. Carbureter. No. 890,273; June 9; Sp. p. 2199; Dr. p. 483; Gaz. vol. 134; p. 1435.
- Haager, E. (See Ris and Haager.)
- Haagn, E., assignor to Firm of W. C. Heraeus, Hanau, Germany. Electrical system of measuring temperatures. No. 880,074; Feb. 25; Sp. p. 4519; Dr. p. 951; Gaz. vol. 132; p. 1668.
- Haahr, A. (See Jørgensen and Haahr.)
- Haaker, W. (See Herbert, A. W., assignor.)
- Haan, P. C., Midland Park, N. J., assignor to himself and H. G. Stripe, New York, N. Y. Nut-lock. No. 898,464; Sept. 15; Sp. p. 2478; Dr. p. 530; Gaz. vol. 136; p. 459.
- Haapala, A. (See Newman and Haapala.)
- Haarmann, A., Osnabrück, Germany. Rail-chair. No. 894,322; July 28; Sp. p. 4079; Dr. p. 842; Gaz. vol. 135; p. 719.
- Haarmann, A., Osnabrück, Germany. Bed-plate for iron railway-sleepers. No. 899,107; Sept. 22; Sp. p. 3678; Dr. pp. 787-8; Gaz. vol. 136; p. 694.
- Haas, A., New York, N. Y. Water-elevator. No. 904,951; Nov. 24; Sp. p. 4988; Gaz. vol. 137; p. 890.
- Haas, E., San Antonio, Tex. Switch mechanism and train-carried actuating means therefor. No. 900,367; Oct. 6; Sp. p. 615; Dr. pp. 127-8; Gaz. vol. 136; p. 1169.
- Haas, F. G., Springfield, Mo. Necktie-case. No. 900,164; Oct. 6; Sp. p. 195; Dr. p. 40; Gaz. vol. 136; p. 1104.
- Haas, F. W. (See Myers, Haas, and Myers.)
- Haas, G. W., Los Angeles, assignor of one-half to M. B. Fowler, Pasadena, Cal. Attachment for chairs. No. 882,248; Mar. 17; Sp. p. 3519; Dr. p. 747; Gaz. vol. 133; p. 636.
- Haas, G. W., Los Angeles, assignor of one-half to M. B. Fowler, Pasadena, Cal. Orthopedic operating-table. No. 885,243; Apr. 21; Sp. p. 3249; Dr. p. 678; Gaz. vol. 133; p. 1765.
- Haas, G. W., Los Angeles, assignor of one-half to M. B. Fowler, Pasadena, Cal. Flexible corrective brace and brace-frame. No. 887,389; May 12; Sp. p. 2170; Dr. pp. 454-5; Gaz. vol. 134; p. 375.
- Haas, G. W., Los Angeles, assignor of one-half to M. B. Fowler, Pasadena, Cal. Flexible corrective brace and brace-frame. No. 888,490; May 26; Sp. p. 4335; Dr. p. 917; Gaz. vol. 134; p. 794.
- Haas, G. W., assignor of one-half to M. B. Fowler, Los Angeles, Cal. Curvature-gage. No. 889,224; June 2; Sp. p. 70; Dr. p. 16; Gaz. vol. 134; p. 1069.
- Haas, G. W., assignor of one-half to M. B. Fowler, Los Angeles, Cal. Linear contour measure. No. 889,225; June 2; Sp. p. 72; Dr. p. 16; Gaz. vol. 134; p. 1069.
- Haas, J. A., *et al.* (See Keller, Haas, and Keller.)
- Haas, L. D., and E. G. Derbidge, San Jose, Cal. Disturbance-operated circuit-breaker. No. 893,997; July 21; Sp. p. 3383; Dr. p. 692; Gaz. vol. 135; p. 590.
- Haas, P., Dayton, Ohio. Water-closet valve. No. 882,944; Mar. 24; Sp. p. 4892; Dr. p. 1038; Gaz. vol. 133; p. 899.
- Haas, P., Dayton, Ohio. Water-closet. No. 894,734; July 28; Sp. p. 4833; Dr. pp. 1016-17; Gaz. vol. 135; p. 852.
- Haase, A. L. (See Rohlf, H. H., assignor.)
- Haase, F., Chicago, Ill. Combination-holder. No. 886,495; May 5; Sp. p. 302; Dr. p. 63; Gaz. vol. 134; p. 56.
- Haase, J., Fort Madison, Iowa. Valve-gear. No. 882,247; Mar. 17; Sp. p. 3518; Dr. p. 747; Gaz. vol. 133; p. 636.
- Haase, J. C., Ray township, Morgan county, Ind. Drive-anchor. No. 904,198; Nov. 17; Sp. p. 3400; Gaz. vol. 137; p. 611.
- Haase, L. G., Pasadena, Cal. Film-pack. No. 880,657; Mar. 3; Sp. p. 339; Dr. p. 74; Gaz. vol. 133; p. 59.
- Haase, L. G., Pasadena, Cal. Adjustable scraper-coupling. No. 895,631; Aug. 11; Sp. p. 1706; Dr. p. 362; Gaz. vol. 135; p. 1200.
- Haatvedt, A. R., Crosby, N. D. Smoke-pipe. No. 903,710; Nov. 10; Sp. p. 2352; Gaz. vol. 137; p. 413.
- Habberley, A. N., Newton, Mass. Mechanical respirator. No. 896,824; Aug. 25; Sp. p. 4094; Dr. pp. 880-1; Gaz. vol. 135; p. 1631.
- Haben, C. W., Hamilton, assignor of one-half to J. Wysong, Dayton, Ohio. Portable gate. No. 903,564; Nov. 10; Sp. p. 2065; Gaz. vol. 137; p. 369.
- Habenicht, J., Hanover, Germany. Truss. No. 886,599; May 5; Sp. p. 509; Dr. p. 109; Gaz. vol. 134; p. 91.
- Haberlin, W. R., assignor to American Miniature Railway Company, Bridgeport, Conn. Rail-joint for toy railway systems. No. 887,191; May 12; Sp. p. 1674; Dr. p. 355; Gaz. vol. 134; p. 307.
- Habermann, M. R., Sun Prairie, Wis. Kitchen appliance. No. 879,539; Feb. 18; Sp. p. 3378; Dr. p. 706; Gaz. vol. 132; p. 1460.
- Habermas, H. J., Detroit, Mich. Costumer. No. 877,189; Jan. 21; Sp. p. 3107; Dr. p. 672; Gaz. vol. 132; p. 571.
- Hache, L. (See Ely, M. J., assignor.)
- Hachenberg, L., New York, N. Y. Turbine-engine. No. 877,502; Jan. 28; Sp. p. 3731; Dr. p. 807; Gaz. vol. 132; p. 695.
- Hachman, O., Fort Wayne, Ind. Non-refillable bottle. No. 888,891; May 26; Sp. p. 5195; Dr. p. 1102; Gaz. vol. 134; p. 930.
- Hachmann, F. (See Barclay and Hachmann.)
- Hachmann, F., and W. Ericksen, Minneapolis, assignors to Acme Manufacturing Company, St. Paul, Minn. Car-axle-box lid. No. 875,809; Jan. 7; Sp. p. 254; Dr. pp. 54-5; Gaz. vol. 132; p. 47.
- Hackburn, E. B., W. C. Willett, and D. F. Deppe, Newbern, N. C. Fertilizer-distributor. No. 886,207; Apr. 28; Sp. p. 5204; Dr. p. 1096; Gaz. vol. 133; p. 2107.
- Hacker, L. P., Beaumont, Tex. Fusible plug. No. 877,329; Jan. 21; Sp. p. 3385; Dr. p. 733; Gaz. vol. 132; p. 617.
- Hackert, K. F., East Cleveland, Ohio. Ear-trumpet. No. 900,097; Oct. 6; Sp. p. 44; Dr. pp. 8-9; Gaz. vol. 136; p. 1082.
- Hackett, C. H., and T. W. Morgan, assignors to W. W. Marsh, Waterloo, Iowa. Cream-exit for centrifugal cream-separators. No. 890,050; June 9; Sp. p. 1723; Dr. p. 381; Gaz. vol. 134; p. 1362.
- Hackett, C. H., and T. W. Morgan, assignors to W. W. Marsh, Waterloo, Iowa. Adjustable cream-exit for centrifugal cream-separators. No. 902,963; Nov. 3; Sp. p. 863; Gaz. vol. 137; p. 144.
- Hackett, C. H., and T. W. Morgan, assignors to W. W. Marsh, Waterloo, Iowa. Centrifugal cream-separator. No. 907,143; Dec. 22; Sp. p. 3920; Gaz. vol. 137; p. 1728.
- Hackett, C. H., and T. W. Morgan, assignors to W. W. Marsh, Waterloo, Iowa. Centrifugal cream-separator. No. 907,144; Dec. 22; Sp. p. 3921; Gaz. vol. 137; p. 1728.

Alphabetical list of patentees—Continued.

- Hackett, G. E., Roselle, N. J. Twist-drill. No. 893,162; July 14; Sp. p. 1579; Dr. p. 334; Gaz. vol. 135; p. 287.
- Hackett, J., Bellaire, Ohio. Combination trolley and telegraph pole. No. 904,952; Nov. 24; Sp. p. 4991; Gaz. vol. 137; p. 890.
- Hackett, J. K., New York, N. Y. Hair-pin. No. 889,923; June 9; Sp. p. 1447; Dr. p. 326; Gaz. vol. 134; p. 1318.
- Hackett, S. B., Ray, Ind. Gate. No. 880,987; Mar. 3; Sp. p. 1003; Dr. pp. 214-15; Gaz. vol. 133; p. 170.
- Hackh, E., Stuttgart, Germany. Furniture-support. No. 906,873; Dec. 15; Sp. p. 3399; Gaz. vol. 137; p. 1606.
- Hacking, J. T., Enfield, and C. Wilkinson, Providence, R. I. Knock-off guard for stop-motions. No. 899,163; Sept. 22; Sp. p. 3802; Dr. p. 814; Gaz. vol. 136; p. 713.
- Hackl, W. (See Szuk and Hackl.)
- Hackley, S. A., Victor, Colo. Fly-trap. No. 884,487; Apr. 14; Sp. p. 1659; Dr. p. 356; Gaz. vol. 133; p. 1487.
- Hackney, I. M., assignor to Brooks Tire Machine Company, Wichita, Kans. Ratchet mechanism. No. 906,624; Dec. 15; Sp. p. 2916; Gaz. vol. 137; p. 1527.
- Hackney, L. S., St. Paul, Minn. Ventilating device. No. 877,420; Jan. 21; Sp. p. 3557; Dr. p. 769; Gaz. vol. 132; p. 647.
- Hackney, L. S., St. Paul, Minn. Track or roadway. No. 899,252; Sept. 22; Sp. p. 4003; Dr. p. 854; Gaz. vol. 136; p. 742.
- Hackney, L. S., St. Paul, Minn. Vehicle-guiding means. No. 899,253; Sept. 22; Sp. p. 4004; Dr. p. 854; Gaz. vol. 136; p. 743.
- Hackney, T. J. (See Hawkins, G. E., assignor.)
- Hadank, B., Buenos Ayres, Argentina. Carbonic-acid apparatus for beer-casks and the like. No. 884,017; Apr. 7; Sp. p. 706; Dr. pp. 142-3; Gaz. vol. 133; p. 1305.
- Hadaway Electric Heating & Engineering Co. (See Hadaway, W. S., Jr., assignor.)
- Hadaway, J. B., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch-separating machine. No. 880,792; Mar. 3; Sp. p. 611; Dr. pp. 129-30; Gaz. vol. 133; p. 106.
- Hadaway, J. B., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon welts of boots and shoes. No. 885,244; Apr. 21; Sp. p. 3251; Dr. pp. 678-9; Gaz. vol. 133; p. 1766.
- Hadaway, J. B., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch-separating machine. No. 888,063; May 19; Sp. p. 3531; Dr. p. 738; Gaz. vol. 134; p. 633.
- Hadaway, J. B., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch-separating machine. No. 894,883; Aug. 4; Sp. p. 174; Dr. p. 37; Gaz. vol. 135; p. 928.
- Hadaway, J. B., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch separating or indenting tool. No. 906,705; Dec. 15; Sp. p. 3068; Gaz. vol. 137; p. 1553.
- Hadaway, T. G., Athens, Ga. Horse-collar. No. 894,631; July 28; Sp. p. 4697; Dr. p. 975; Gaz. vol. 135; p. 819.
- Hadaway, W. S., Jr., East Orange, N. J., assignor to Hadaway Electric Heating & Engineering Co. Culinary apparatus. No. 890,855; June 16; Sp. p. 3377; Dr. p. 740; Gaz. vol. 134; p. 1658.
- Hadaway, W. S., Jr., East Orange, N. J., assignor to Hadaway Electric Heating & Engineering Co. Electric heating device. No. 890,856; June 16; Sp. p. 3379; Dr. p. 741; Gaz. vol. 134; p. 1658.
- Hadaway, W. S., Jr., East Orange, N. J., assignor to Hadaway Electric Heating & Engineering Company. Culinary apparatus. No. 890,857; June 16; Sp. p. 3381; Dr. p. 741; Gaz. vol. 134; p. 1658.
- Hadaway, W. S., Jr., East Orange, N. J., assignor to Hadaway Electric Heating & Engineering Company. Electric heating device. No. 890,858; June 16; Sp. p. 3382; Dr. p. 741; Gaz. vol. 134; p. 1659.
- Hadden, W. A., St. Johns, Ore. Revolvable cabinet-file. No. 896,294; Aug. 18; Sp. p. 3012; Dr. p. 648; Gaz. vol. 135; p. 1437.
- Haddow, T., West Hoboken, N. J. Hoisting apparatus. No. 907,994; Dec. 29; Sp. p. 5715; Gaz. vol. 137; p. 2040.
- Hadean, A. B., Chicago, Ill. Pocket tobacco case and cutter. No. 881,920; Mar. 17; Sp. p. 2876; Dr. p. 613; Gaz. vol. 133; p. 531.
- Hadfield, R. A., Sheffield, England. Improving steel rails. No. 879,634; Feb. 18; Sp. p. 3594; Gaz. vol. 132; p. 1491.
- Hadfield, R. H., Chicago, Ill., assignor, by mesne assignments, to Bulletin Company of America. Automatic displaying-machine. No. 907,689; Dec. 22; Sp. p. 5086; Gaz. vol. 137; p. 1911.
- Hadley, A. L., Fort Wayne, Ind., assignor to General Electric Company. Dynamo-electric machine. No. 901,440; Oct. 20; Sp. p. 2873; Dr. p. 587; Gaz. vol. 136; p. 1584.
- Hadley, A. N., Indianapolis, Ind. Shock-lifter. No. 886,123; Apr. 28; Sp. p. 5065; Dr. p. 1063; Gaz. vol. 133; p. 2080.
- Hadley, A. N., Indianapolis, Ind. Warehouse. No. 898,465; Sept. 15; Sp. p. 2479; Dr. p. 530; Gaz. vol. 136; p. 459.
- Hadley, R. F., Slicker, W. Va. Trap. No. 884,380; Apr. 14; Sp. p. 1449; Dr. p. 309; Gaz. vol. 133; p. 1452.
- Hadley, R. F., Slicker, W. Va. Casing-head for oil-wells. No. 886,208; Apr. 28; Sp. p. 5206; Dr. p. 1096; Gaz. vol. 133; p. 2107.
- Hadlington, R. J. (See Barnett, Hadlington, and Hinton.)
- Hadlock, A. V. (See Mohme and Hadlock.)
- Hadsell, D. H., assignor of one-half to T. D. Barry, Brockton, Mass. Heel-seat trimmer for patent-leather. No. 886,291; Apr. 28; Sp. p. 5368; Dr. p. 1128; Gaz. vol. 133; p. 2136.
- Hadsell, D. H., assignor of one-half to T. D. Barry, Brockton, Mass. Welt-beater. No. 886,292; Apr. 28; Sp. p. 5369; Dr. p. 1129; Gaz. vol. 133; p. 2136.
- Haeblerlin, H., assignor to Akron Clutch Company, Akron, Ohio. Clutch. No. 886,600; May 5; Sp. p. 509; Dr. pp. 109-10; Gaz. vol. 134; p. 91.
- Haebler, T. (See Schutz, J., assignor.)
- Haehl & Cie., V. (See Heizmann, J., assignor.)
- Haentze, A., Chicago, Ill. Mail-receiving case. No. 882,381; Mar. 17; Sp. p. 3770; Dr. p. 804; Gaz. vol. 133; p. 680.
- Haescke, C. M., South Bend, Ind. Dumping-wagon. No. 889,794; May 19; Sp. p. 2968; Dr. p. 624; Gaz. vol. 134; p. 538.
- Haussler, M. (See Geis, H., assignor.)
- Hafelfinger, E. F., Weehawken, N. J. Friction-sprocket. No. 886,601; May 5; Sp. p. 512; Dr. p. 110; Gaz. vol. 134; p. 92.
- Hafelfinger, E. F., Weehawken, N. J. Exhaust device for compression-engines. No. 905,870; Dec. 8; Sp. p. 1501; Gaz. vol. 137; p. 1259.
- Hafely, A. C., New York, N. Y. Apparatus for making stubs. No. 907,995; Dec. 29; Sp. p. 5716; Gaz. vol. 137; p. 2040.
- Hafemeister, W. C., Cleveland, Ohio, assignor, by mesne assignments, to Van Dorn Electric and Manufacturing Company. Coupling for electrical conductors. No. 893,163; July 14; Sp. p. 1580; Dr. p. 334; Gaz. vol. 135; p. 287.
- Haff, O., Pfrinten, Germany, assignor to Keuffel & Esser Company, Hoboken, N. J. Drawing-pen. No. 905,419; Dec. 1; Sp. p. 577; Gaz. vol. 137; p. 1082.
- Hafford, J. C., assignor of two-thirds to D. W. Harrison and V. A. Hafford, Lincoln, Ark. Rail-joint. No. 886,972; May 5; Sp. p. 1261; Dr. p. 266; Gaz. vol. 134; p. 209.
- Hafford, V. A., *et al.* (See Hafford, J. C., assignor.)
- Hafner, J. E. (See Addington, M. L., assignor.)
- Haftstad, T. B., Iron Mountain, Mont. Bottle-stopper. No. 898,359; Sept. 8; Sp. p. 2252; Dr. pp. 479-80; Gaz. vol. 136; p. 390.
- Hagadorn, J. L. (See Jacob and Hagadorn.)
- Hagan, J. H., Elizabeth, N. J. Penholder. No. 901,239; Oct. 13; Sp. p. 2402; Dr. p. 493; Gaz. vol. 136; p. 1479.
- Hagan, J. H., Elizabeth, N. J. Device for securing fountain-pens, &c., to garments. No. 901,240; Oct. 13; Sp. p. 2403; Dr. p. 493; Gaz. vol. 136; p. 1479.
- Hagearty, J. W., New Britain, Conn. Door-closer. No. 898,736; Sept. 15; Sp. p. 3004; Dr. p. 644; Gaz. vol. 136; p. 546.
- Hagedorn, J., Salem, Mo. Spring-cultivator. No. 906,414; Dec. 8; Sp. p. 2519; Gaz. vol. 137; p. 1434.
- Hagel, A. (See Hagel, J. L. and A.)
- Hagel, J. L. and A., Providence, Minn. Spring wagon-bolster. No. 896,105; Aug. 18; Sp. p. 2653; Dr. p. 572; Gaz. vol. 135; p. 1376.
- Hageman, R. C., and G. E. Broderson, San Francisco, Cal. Steam-drier. No. 876,347; Jan. 14; Sp. p. 1312; Dr. p. 283; Gaz. vol. 132; p. 249.
- Hageman, S. S., Abilene, Kans. Column. No. 877,076; Jan. 21; Sp. p. 2861; Dr. p. 617; Gaz. vol. 132; p. 533.
- Hagen, C. J., Arlington, N. J., assignor to H. Schloss, New York, N. Y. Garment-stay. No. 905,420; Dec. 1; Sp. p. 579; Gaz. vol. 137; p. 1083.
- Hagen, C. L., New York, N. Y. Attachment for stage-scenery braces. No. 907,996; Dec. 29; Sp. p. 5721; Gaz. vol. 137; p. 2041.
- Hagen, K., Webster, S. D. Can-cleaner. No. 887,795; May 19; Sp. p. 2971; Dr. p. 624; Gaz. vol. 134; p. 539.
- Hager, D. S., Toledo, Ohio. Pneumatic-tube cash-carrier. No. 886,496; May 5; Sp. p. 303; Dr. p. 64; Gaz. vol. 134; p. 56.
- Hagerlund, J. W., *et al.* (See Robinson, F., assignor.)
- Hagerman, L. S., Mondamin, Iowa. Windmill-regulator. No. 885,844; Apr. 28; Sp. p. 4482; Dr. p. 941; Gaz. vol. 133; p. 1988.
- Hagey, J. C., assignor to Cable Company, Chicago, Ill. Pianissimo device. No. 893,487; July 14; Sp. p. 2231; Dr. p. 468; Gaz. vol. 135; p. 392.
- Haggard, C. Y., Wheat, Tenn. Writing-desk. No. 885,748; Apr. 28; Sp. p. 4282; Dr. p. 897; Gaz. vol. 133; p. 1956.
- Haggerty, H. C. (See Case and Haggerty.)
- Haggerty, W. D. (See Peck and Haggerty.)
- Hagler, J. F., Shenandoah, Iowa. Wagon-brake. No. 885,749; Apr. 28; Sp. p. 4285; Dr. pp. 897-8; Gaz. vol. 133; p. 1956.
- Hagman, W. J., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Cylinder-boring machine. No. 883,459; Mar. 31; Sp. p. 5954; Dr. p. 1270; Gaz. vol. 133; p. 1097.
- Hagmann, C. C., and J. C. Fitzpatrick, Greenville, Tex. Mail-crane. No. 894,735; July 28; Sp. p. 4887; Dr. p. 1017; Gaz. vol. 135; p. 853.
- Hagmüller, J., Allensbach, Germany. Device for separating iron particles from chaff and the like by means of magnets. No. 885,245; Apr. 21; Sp. p. 3256; Dr. p. 680; Gaz. vol. 133; p. 1766.

Alphabetical list of patentees—Continued.

- Hagstrom, A. W., Chino, Cal. Non-refillable bottle. No. 891,772; June 23; Sp. p. 5253; Dr. p. 1138; Gaz. vol. 134; p. 1992.
- Hagstrom Bros. Manufacturing Co. (See Hagstrom, W., G., and E., assignors.)
- Hagstrom Brothers Manufacturing Company. (See Hagstrom, E. and G., assignors.)
- Hagstrom, E. (See Hagstrom, W., G., and E.)
- Hagstrom, E. and G., assignors to Hagstrom Brothers Manufacturing Company, Lindsborg, Kans. Implement for severing brittle substances. No. 880,878; Mar. 3; Sp. p. 812; Dr. p. 172; Gaz. vol. 133; p. 136.
- Hagstrom, G. (See Hagstrom, E. and G.)
- Hagstrom, G. (See Hagstrom, W., G., and E.)
- Hagstrom, W., G., and E., assignors to Hagstrom Bros. Manufacturing Co., Lindsborg, Kans. Cup attachment for augers. No. 881,856; Mar. 10; Sp. p. 2718; Dr. p. 583; Gaz. vol. 133; p. 481.
- Hague, C. A., New York, N. Y. Air-pump. No. 899,971; Sept. 29; Sp. p. 5442; Dr. p. 1160; Gaz. vol. 136; p. 1010.
- Hahl, A. L., assignor to Hahl Automatic Clock Company, Chicago, Ill. Clock. No. 905,816; Dec. 1; Sp. p. 1382; Gaz. vol. 137; p. 1210.
- Hahl Automatic Clock Company. (See Hahl, A. L., assignor.)
- Hahn, E. L., Muscatine, Iowa. Fertilizer-distributor. No. 899,449; Sept. 22; Sp. p. 4334; Dr. p. 931; Gaz. vol. 136; p. 803.
- Hahn, G. J., *et al.* (See Crepar, T. M., assignor.)
- Hahn, H., Napoleon, Ohio. Corn-harvester. No. 880,139; Feb. 25; Sp. p. 4640; Dr. pp. 979-80; Gaz. vol. 132; p. 1688.
- Hahn, H. H., Kenosha, Wis. Building monolithic walls. No. 882,196; Mar. 17; Sp. p. 3427; Dr. p. 728; Gaz. vol. 133; p. 620.
- Hahn, I., Pittsburg, Pa. Card-rack. No. 884,149; Apr. 7; Sp. p. 1017; Dr. p. 212; Gaz. vol. 133; p. 1348.
- Hahn, J. J., assignor of one-half to F. L. Coffield, Kansas City, Mo. Grain-door for cars. No. 895,556; Aug. 11; Sp. p. 1569; Dr. pp. 331-2; Gaz. vol. 135; p. 1177.
- Hahnel, C. A. (See Martin and Hahnel.)
- Haht, A. M., assignor to D. P. Vining, Jackson, Mich. Cement or concrete block mold. No. 882,249; Mar. 17; Sp. p. 3521; Dr. p. 747; Gaz. vol. 133; p. 636.
- Haht, G. W. (See Hazlet and Haht.)
- Haht, H. V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y. Channeling-machine. No. 876,542; Jan. 14; Sp. p. 1747; Dr. pp. 379-80; Gaz. vol. 132; p. 316.
- Haile, C. (See Gabbart, E. E., assignor.)
- Haile, L. T., Philadelphia, Pa. Sound-reproducing machine. No. 888,084; May 19; Sp. p. 3535; Dr. pp. 738-9; Gaz. vol. 134; p. 633.
- Haile, L. T., Philadelphia, Pa. Talking-machine. No. 892,045; June 30; Sp. p. 5817; Dr. p. 1251; Gaz. vol. 134; p. 2112.
- Haile, L. T., assignor of one-half to M. N. Weyl, W. A. Mackie, J. W. Shannon, F. J. Geiger, and L. W. Mulford, Philadelphia, Pa. Gramophone or other sound reproducing or recording machine. No. 880,879; Mar. 3; Sp. p. 813; Dr. p. 172; Gaz. vol. 133; p. 136.
- Haile, L. T., assignor of one-fifth to M. N. Weyl and W. A. Mackie, one-fifth to J. W. Shannon, one-twentieth to F. J. Geiger, and one-twentieth to L. W. Mulford, Philadelphia, Pa. Gramophone. No. 883,135; Mar. 24; Sp. p. 5256; Dr. pp. 1122-3; Gaz. vol. 133; p. 960.
- Hain, V., West Kensington, assignor of one-half to P. O. Wilson, London, England. Manufacture of sweetmeat, such as chocolate. No. 880,300; Feb. 25; Sp. p. 4975; Dr. p. 1050; Gaz. vol. 132; p. 1743.
- Haines, A. L., Fort Fairfield, Me. Fire-ladder. No. 896,295; Aug. 18; Sp. p. 3013; Dr. p. 648; Gaz. vol. 135; p. 1437.
- Haines, J. H. J., New York, N. Y. Sound-amplifier for phonographs and talking-machines. No. 895,853; Aug. 11; Sp. p. 2163; Dr. p. 459; Gaz. vol. 135; p. 1272.
- Haines, Jones & Cadbury Company. (See Grantland, J. W., assignor.)
- Haines, Jones and Cadbury Company. (See Sharp, J. W., Jr., assignor.)
- Haines, L. A., Mount Vernon, assignor of three-fourths to W. T. Agarter, I. P. Carnes, and A. L. White, Lima, Ohio. Gas-turbine. No. 887,627; May 12; Sp. p. 2625; Dr. pp. 553-4; Gaz. vol. 134; p. 453.
- Haines, L. G., Glasboro, N. J. Grinding attachment for lawn-mowers. No. 893,164; July 14; Sp. p. 1581; Dr. p. 335; Gaz. vol. 135; p. 287.
- Haines, R. T., London, England. Speed-indicator. No. 882,382; Mar. 17; Sp. p. 3771; Dr. pp. 804-5; Gaz. vol. 133; p. 680.
- Haines, R. T., London, England. Kinematograph mechanism. No. 901,962; Oct. 27; Sp. p. 3958; Dr. p. 808; Gaz. vol. 136; p. 1785.
- Hainline, J. W., Great Bend, Kans. Tray attachment for blackboards. No. 883,402; Mar. 31; Sp. p. 5832; Dr. p. 1243; Gaz. vol. 133; p. 1078.
- Hains, P. C., Sr., Washington, D. C. Concrete-mixing apparatus. No. 890,641; June 16; Sp. p. 2938; Dr. p. 644; Gaz. vol. 134; p. 1587.
- Hair, J. W., Heber, Cal. Wedge for tool-handles. No. 905,069; Nov. 24; Sp. p. 5202; Gaz. vol. 137; p. 929.
- Hairgrove, E. E. (See Nicolai, G., assignor.)
- Hakes, H. W., Millbury, Mass. Heddle for looms. No. 879,258; Feb. 18; Sp. p. 2799; Dr. p. 586; Gaz. vol. 132; p. 1369.
- Hakins, G. B., Norwood, N. Y. Igniting mechanism for explosive-engines. No. 892,253; June 30; Sp. p. 6214; Dr. pp. 1338-9; Gaz. vol. 134; p. 2180.
- Halbach, H., Neunkirchen, Germany. Potato-grater. No. 880,022; Feb. 25; Sp. p. 4407; Dr. p. 926; Gaz. vol. 132; p. 1651.
- Halbardier, J., Bar, Etne, Belgium. Potato digger and separator. No. 883,876; Apr. 7; Sp. p. 419; Dr. pp. 82-3; Gaz. vol. 133; p. 1257.
- Halbekann, F. J., Solingen, Germany. Safety-razor. No. 906,706; Dec. 15; Sp. p. 3069; Gaz. vol. 137; p. 1553.
- Halbert, W. G., Danville, Ill. Mining-machine. No. 906,221; Dec. 8; Sp. p. 2177; Gaz. vol. 137; p. 1372.
- Halbrook, J. A., and M. J. Wilms, Bridgeport, Wash. Train-pipe coupling. No. 906,527; Dec. 15; Sp. p. 2743; Gaz. vol. 137; p. 1497.
- Haldane, W. G. (See Fleck, Haldane, and White.)
- Haldeman, C. B., Center township, Cloud county, Kans. Feed-trough. No. 900,277; Oct. 6; Sp. p. 442; Dr. p. 90; Gaz. vol. 136; p. 1141.
- Haldenwang, R., Jr., New York, N. Y. Puzzle device. No. 882,464; Mar. 17; Sp. p. 3910; Dr. p. 836; Gaz. vol. 133; p. 707.
- Halder, J. H., Laurens, Iowa. End-gate fastener. No. 896,724; Aug. 25; Sp. p. 3867; Dr. pp. 836-7; Gaz. vol. 135; p. 1597.
- Haldorsen, H., Oscar township, Ottertail county, and K. H. Seem, Elizabeth, Minn. Wrench. No. 904,257; Nov. 17; Sp. p. 3529; Gaz. vol. 137; p. 631.
- Haldy, F. G., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Electric controlling means. No. 908,251; Dec. 29; Sp. p. 6256; Gaz. vol. 137; p. 2127.
- Hale, A. L., Marengo, Ill. Flexible shaft. No. 889,521; June 2; Sp. p. 667; Dr. p. 154; Gaz. vol. 134; p. 1164.
- Hale, A. M., *et al.*, executors. (See Giguere, T. D., assignor.)
- Hale, C. W., Springfield, Mass. Attachment for dental syringes. No. 881,469; Mar. 10; Sp. p. 1953; Dr. p. 425; Gaz. vol. 133; p. 866.
- Hale, E. E., *et al.*, executors. (See Giguere, T. D., assignor.)
- Hale, H. C. (See Replogle and Hale.)
- Hale, H. S., assignor to Hale and Kilburn Manufacturing Company, Philadelphia, Pa. Cushion. No. 884,730; Apr. 14; Sp. p. 2180; Dr. p. 462; Gaz. vol. 133; p. 1567.
- Hale, H. S., and J. B. Kilburn, assignors to Hale and Kilburn Manufacturing Company, Philadelphia, Pa. Seating. No. 894,828; Aug. 4; Sp. p. 56; Dr. pp. 11-12; Gaz. vol. 135; p. 909.
- Hale, H. S., and J. B. Kilburn, assignors to Hale and Kilburn Manufacturing Company, Philadelphia, Pa. Seat. No. 895,453; Aug. 11; Sp. p. 1359; Dr. p. 286; Gaz. vol. 135; p. 1142.
- Hale, J. F., Tonawanda, Nebr. Lifting-jack. No. 896,725; Aug. 25; Sp. p. 3868; Dr. p. 837; Gaz. vol. 135; p. 1597.
- Hale and Kilburn Manufacturing Company. (See Hale, H. S., assignor.)
- Hale and Kilburn Manufacturing Company. (See Hale and Kilburn, assignors.)
- Hale-Kilburn Metal Company. (See Budd, E. G., assignor.)
- Hale-Kilburn Metal Company. (See Budd and Wollé, assignors.)
- Hale-Kilburn Metal Company. (See Heintz, L. I., assignor.)
- Hale-Kilburn Metal Company. (See Kilburn and Budd, assignors.)
- Hale, W. S. (See Walden, W. E., assignor.)
- Hales, W. St. Louis, Mo., assignor to Charter Oak Stove and Range Company. Snap-band for molds. No. 896,379; Aug. 18; Sp. p. 3189; Dr. p. 684; Gaz. vol. 135; p. 1463.
- Hales, W. St. Louis, Mo., assignor to Charter Oak Stove and Range Company. Hinge and pin corner for foundry-flasks. No. 896,380; Aug. 18; Sp. p. 3190; Dr. p. 684; Gaz. vol. 135; p. 1464.
- Haley, A. L., Los Angeles, Cal. Combination rocker and standard chair. No. 902,395; Oct. 27; Sp. p. 4857; Dr. p. 983; Gaz. vol. 136; p. 1924.
- Haley, J. W., Erlanger, assignor of one-half to J. L. Adams, Covington, Ky. Wooden lamp-stand. No. 887,091; May 12; Sp. p. 1506; Dr. p. 319; Gaz. vol. 134; p. 277.
- Haley, O. G., Kents Store, Va. Cider-press. No. 882,754; Mar. 24; Sp. p. 4500; Dr. pp. 958-9; Gaz. vol. 133; p. 836.
- Haley, R., Crafton, assignor to National Glass Company, Pittsburg, Pa. Apparatus for fire-finishing glassware. No. 877,923; Feb. 4; Sp. p. 59; Dr. pp. 11-12; Gaz. vol. 132; p. 859.
- Haley, S., Ashland, Wis. Car-stake. No. 893,165; July 14; Sp. p. 1583; Dr. p. 335; Gaz. vol. 135; p. 288.
- Haley, S., Los Angeles, Cal. Core compound. No. 902,653; Nov. 3; Sp. p. 239; Gaz. vol. 137; p. 40.
- Haley, T., Xenia, assignor of one-half to A. G. Barnes, Macedonia Depot, Ohio. Recording device for block-signal systems. No. 897,618; Sept. 1; Sp. p. 775; Dr. pp. 163-4; Gaz. vol. 136; p. 123.
- Halfin, E., Elwood, Ind. Envelop. No. 905,307; Dec. 1; Sp. p. 341; Gaz. vol. 137; p. 1043.
- Halfmann, J. N., Oshkosh, Wis. Band-knife. No. 907,345; Dec. 22; Sp. p. 4327; Gaz. vol. 137; p. 1797.
- Haling, M. S., Weaver, Minn. Telegraph-transmitter. No. 884,381; Apr. 14; Sp. p. 1450; Dr. p. 309; Gaz. vol. 133; p. 1453.

Alphabetical list of patentees—Continued.

- Hall, A. (See Rosenbaum and Hall.)
- Hall, A., Jersey City, N. J. Button. No. 899,528; Sept. 29; Sp. p. 4510; Dr. p. 968; Gaz. vol. 136; p. 866.
- Hall, A., Edmonton, Alberta, Canada. Spark-arrester. No. 901,807; Oct. 20; Sp. p. 3661; Dr. p. 742; Gaz. vol. 136; p. 1704.
- Hall, A., New York, N. Y. Bottle-stopper. No. 907,145; Dec. 22; Sp. p. 3923; Gaz. vol. 137; p. 1729.
- Hall, A., Chicago, Ill., assignor to American Sales Company, San Francisco, Cal. Pen. No. 890,274; June 9; Sp. p. 2200; Dr. p. 483; Gaz. vol. 134; p. 1435.
- Hall, A. E., Williamstown, Mass. Corn-husking device. No. 877,461; Jan. 21; Sp. p. 3628; Dr. pp. 785-6; Gaz. vol. 132; p. 659.
- Hall, A. I., Rochester, N. H. Packing-machine. No. 892,046; June 30; Sp. p. 5820; Dr. p. 1252; Gaz. vol. 134; p. 2112.
- Hall, A. L., executrix. (See Hall, E. J.)
- Hall, A. R., Leonardsville, assignor of one-half to L. C. Maxson, West Edmeston, N. Y. Insulator-clip. No. 907,788; Dec. 29; Sp. p. 5284; Gaz. vol. 137; p. 1974.
- Hall, B. C. and F. W., Elmwood, Ill. Automatic fire-alarm. No. 875,810; Jan. 7; Sp. p. 256; Dr. p. 55; Gaz. vol. 132; p. 47.
- Hall, B. J., Barnes, England. Photographic-printing apparatus. No. 882,676; Mar. 24; Sp. p. 4348; Dr. p. 925; Gaz. vol. 133; p. 811.
- Hall-Borchert Dress Form Co. (See Herman, R. L., assignor.)
- Hall, C. C., Bellaire, Ohio. Transom-lifter. No. 880,988; Mar. 3; Sp. p. 1004; Dr. p. 215; Gaz. vol. 133; p. 170.
- Hall, C. E., Rushville, Ind. Window-screen. No. 885,673; Apr. 21; Sp. p. 4111; Dr. p. 861; Gaz. vol. 133; p. 1901.
- Hall, C. H., and J. Eldridge, Astoria, Oreg. Gold separator and amalgamator. No. 894,632; July 28; Sp. p. 4698; Dr. p. 976; Gaz. vol. 135; p. 819.
- Hall, C. M., assignor to Dominion Novelty Manufacturing Company, Limited, Toronto, Ontario, Canada. Garment-clasp. No. 903,373; Nov. 10; Sp. p. 1668; Gaz. vol. 137; p. 306.
- Hall & Company, I. A. (See Nuver, J. C., assignor.)
- Hall, D., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. System of distribution. No. 883,195; Mar. 31; Sp. p. 5385; Dr. p. 1147; Gaz. vol. 133; p. 1010.
- Hall, E. E. (See Drake and Hall.)
- Hall, E. E., assignor of one-third to G. M. Huber, Pittsburg, Pa. Street-sweeper. No. 887,040; May 5; Sp. p. 1393; Dr. p. 296; Gaz. vol. 134; p. 231.
- Hall, E. J., deceased, Waltham, Mass.; A. L. Hall, executrix. Time speed-indicating device. No. 879,540; Feb. 18; Sp. p. 3379; Dr. pp. 706-7; Gaz. vol. 132; p. 1461.
- Hall, E. L., New York, N. Y. Photographic shutter. No. 885,612; Apr. 21; Sp. p. 3981; Dr. pp. 831-2; Gaz. vol. 133; p. 1882.
- Hall, E. L., New York, N. Y. Circular back for cameras. No. 900,526; Oct. 6; Sp. p. 980; Dr. p. 199; Gaz. vol. 136; p. 1222.
- Hall, E. L., New York, N. Y. Camera attachment. No. 906,222; Dec. 8; Sp. p. 2180; Gaz. vol. 137; p. 1373.
- Hall, E. S., Water Witch, N. J. Bed. No. 881,071; Mar. 3; Sp. p. 1152; Dr. p. 250; Gaz. vol. 133; p. 197.
- Hall, F., Fairbury, assignor to King & Hamilton Company, Ottawa, Ill. Cleaning apparatus for corn-shellers. No. 878,725; Feb. 11; Sp. p. 1770; Dr. p. 366; Gaz. vol. 132; p. 1157.
- Hall, F. A. (See McIntosh, B., assignor.)
- Hall, F. A. (See Tilley, E. F., assignor.)
- Hall, F. B., Wheeling, W. Va. Fuse device. No. 876,273; Jan. 7; Sp. p. 1148; Dr. p. 250; Gaz. vol. 132; p. 193.
- Hall, F. E., assignor to Miller Hall & Son, Chicago, Ill. Bedstead. No. 902,820; Nov. 3; Sp. p. 569; Gaz. vol. 137; p. 97.
- Hall, F. L. (See Farrell and Hall.)
- Hall, F. M., assignor of two-thirds to J., Jr., and U. S. Goodwine, Potomac, Ill. Automatic switch. No. 898,879; Sept. 15; Sp. p. 3259; Dr. p. 697; Gaz. vol. 136; p. 593.
- Hall, F. W. (See Hall, B. C. and F. W.)
- Hall, F. W., Merchantville, N. J., assignor to J. W. Paxson Company, Philadelphia, Pa. Molding-machine. No. 895,011; Aug. 4; Sp. p. 484; Dr. pp. 97-8; Gaz. vol. 135; p. 972.
- Hall, F. W., Merchantville, N. J., assignor to J. W. Paxson Company, Philadelphia, Pa. Molding-machine. No. 901,932; Oct. 20; Sp. p. 3887; Dr. pp. 793-4; Gaz. vol. 136; p. 1745.
- Hall, G. B., Yarmouth, Nova Scotia, Canada. Plate-holder. No. 879,101; Feb. 11; Sp. p. 2484; Dr. pp. 517-18; Gaz. vol. 132; p. 1275.
- Hall, G. F., Providence, R. I. Floor-dressing machine. No. 893,488; July 14; Sp. p. 2234; Dr. p. 468; Gaz. vol. 135; p. 393.
- Hall, G. F., Jersey City, and B. Albertson, Mantoloking, N. J.; said Hall assignor, by mesne assignments, to said Albertson. Air-compressor. No. 880,731; Mar. 3; Sp. p. 481; Dr. pp. 101-2; Gaz. vol. 133; p. 84.
- Hall, G. L., New York, N. Y. Guard-rail clamp. No. 899,694; Sept. 29; Sp. p. 4848; Dr. p. 1038; Gaz. vol. 136; p. 919.
- Hall, G. L., assignor to National Railway Materials Company, New York, N. Y. Rail-brace. No. 881,237; Mar. 10; Sp. p. 1490; Dr. p. 321; Gaz. vol. 133; p. 281.
- Hall, G. L., assignor to National Railway Materials Company, New York, N. Y. Three-tie step-up rail-joint. No. 890,422; June 9; Sp. p. 2473; Dr. p. 548; Gaz. vol. 134; p. 1483.
- Hall, G. N., Omaha, Nebr. Garment-supporter clasp. No. 879,868; Feb. 25; Sp. p. 4088; Dr. p. 858; Gaz. vol. 132; p. 1600.
- Hall, H., South Thomaston, Me. Ax-helve. No. 890,509; June 9; Sp. p. 2639; Dr. p. 583; Gaz. vol. 134; p. 1510.
- Hall, H. F., Philadelphia, Pa. Culinary utensil. No. 902,577; Nov. 3; Sp. p. 88; Gaz. vol. 137; p. 15.
- Hall, H. T., Greenville, Ohio. Electric fixture. No. 885,246; Apr. 21; Sp. p. 3256; Dr. p. 680; Gaz. vol. 133; p. 1766.
- Hall, H. V. A., and A. G. Hostachy, Plainfield, N. J. Protector for gloves. No. 888,800; May 26; Sp. p. 4984; Dr. pp. 1063-4; Gaz. vol. 134; p. 899.
- Hall, I. H., Jr., Lyndon, assignor to Telephone Tollmeter Company, St. Johnsbury, Vt. Time-glass. No. 877,421; Jan. 21; Sp. p. 3559; Dr. p. 769; Gaz. vol. 132; p. 648.
- Hall, I. L., assignor of one-half to D. D. Munroe, Montreal, Quebec, Canada. Weather-strip. No. 887,249; May 12; Sp. p. 1807; Dr. p. 381; Gaz. vol. 134; p. 325.
- Hall, J., North Monroe, N. H. Invalid-bed. No. 897,890; Sept. 8; Sp. p. 1324; Dr. p. 283; Gaz. vol. 136; p. 242.
- Hall, J., North Monroe, N. H. Invalid-bed. No. 897,891; Sept. 8; Sp. p. 1326; Dr. p. 284; Gaz. vol. 136; p. 242.
- Hall, J., Fresno, Cal., assignor to United States Consolidated Seeded Raisin Company. Steaming apparatus. No. 887,628; May 12; Sp. p. 2632; Dr. pp. 554-5; Gaz. vol. 134; p. 454.
- Hall, J. A., Ooltewah, Tenn. Machine for distributing torpedoes on railways from platforms. No. 888,706; May 26; Sp. p. 4784; Dr. p. 1019; Gaz. vol. 134; p. 868.
- Hall, J. A. F. (See Macaulay and Hall.)
- Hall, J. H., New York, N. Y., assignor to Electric Controller and Supply Company, Cleveland, Ohio. Progressive cut-out mechanism. No. 900,165; Oct. 6; Sp. p. 196; Dr. pp. 40-1; Gaz. vol. 136; p. 1104.
- Hall, J. H., assignor to Electric Controller and Supply Company, Cleveland, Ohio. Controlling system for electric motors. No. 902,396; Oct. 27; Sp. p. 4858; Dr. pp. 983-5; Gaz. vol. 136; p. 1924.
- Hall, J. L., New York, N. Y. Structural slide-rule. No. 887,390; May 12; Sp. p. 2172; Dr. p. 455; Gaz. vol. 134; p. 376.
- Hall, J. L., Schenectady, N. Y., assignor to General Electric Company. Speed-indicator. No. 902,074; Oct. 27; Sp. p. 4197; Dr. p. 851; Gaz. vol. 136; p. 1820.
- Hall, J. L., Schenectady, N. Y., assignor to General Electric Company. Signal system. No. 905,513; Dec. 1; Sp. p. 820; Gaz. vol. 137; p. 1114.
- Hall, J. M. (See Mackay, S. R., assignor.)
- Hall, J. R., Indianapolis, Ind. Corn-husking and fodder-shredding machine. No. 890,275; June 9; Sp. p. 2201; Dr. p. 483; Gaz. vol. 134; p. 1435.
- Hall, J. R., Forest Grove, Oreg., assignor of one-half to R. J. Ginn, Longbeach, Cal. Cistern for water-closets. No. 881,680; Mar. 10; Sp. p. 2359; Dr. p. 511; Gaz. vol. 133; p. 424.
- Hall, L., Kansas City, Mo. Erasing-shield for draftsmen. No. 876,451; Jan. 14; Sp. p. 1546; Dr. p. 331; Gaz. vol. 132; p. 284.
- Hall, L., St. Paul, Minn. Refrigerator. No. 882,824; Mar. 24; Sp. p. 4633; Dr. p. 988; Gaz. vol. 133; p. 858.
- Hall, L. J. (See Morris and Hall.)
- Hall, M., De Funiak Springs, Fla. Sap-collector. No. 876,174; Jan. 7; Sp. p. 948; Dr. p. 204; Gaz. vol. 132; p. 161.
- Hall, O. A., Omaha, Nebr. Rail-fastener. No. 897,828; Sept. 1; Sp. p. 1193; Dr. pp. 253-5; Gaz. vol. 136; p. 190.
- Hall, P. G., Philadelphia, Pa. Adjustable steering-wheel. No. 905,871; Dec. 8; Sp. p. 1503; Gaz. vol. 137; p. 1259.
- Hall, R. C. (See Solomon, W. T., assignor.)
- Hall, S. A., Brooklyn, N. Y. Safety-stirrups. No. 902,397; Oct. 27; Sp. p. 4863; Dr. p. 985; Gaz. vol. 136; p. 1924.
- Hall, S. F., La Fayette, Ind. Advertising appliance. No. 880,658; Mar. 3; Sp. p. 340; Dr. p. 74; Gaz. vol. 133; p. 60.
- Hall, S. N. (See Layne and Hall.)
- Hall, S. S., and O. Rees, Portsmouth, England. Air regenerating and purifying apparatus. No. 896,447; Aug. 18; Sp. p. 3316; Dr. pp. 713-14; Gaz. vol. 135; p. 1435.
- Hall Signal Company. (See Coleman, C. W., assignor.)
- Hall Signal Company. (See Hewett, R. J., assignor.)
- Hall Signal Company. (See Lee, T. L., assignor.)
- Hall Signal Company. (See Wendler, F. A., assignor.)

Alphabetical list of patentees—Continued.

- Hall Signal Company. (See Wilson, A. J., assignor.)
Hall Signal Company. (See Wilson, J. A., assignor.)
Hall, T. (See Stevens and Hall.)
Hall, T., New York, N. Y. Lock and latch. No. 876,348; Jan. 14; Sp. p. 1313; Dr. p. 284; Gaz. vol. 132; p. 249.
Hall, T. D., Los Angeles, Cal. Bag-holder. No. 906,794; Dec. 15; Sp. p. 3238; Gaz. vol. 137; p. 1581.
Hall, W., *et al.* (See Thomas, M. E., assignor.)
Hall, W., Caywood, N. Y. Corn-harvester. No. 889,226; June 2; Sp. p. 72; Dr. p. 16; Gaz. vol. 134; p. 1069.
Hall, W. A., New York, N. Y. Coloring wood. No. 901,098; Oct. 13; Sp. p. 2161; Gaz. vol. 136; p. 1435.
Hall, W. A., New York, N. Y. Coloring wood. No. 901,099; Oct. 13; Sp. p. 2162; Gaz. vol. 136; p. 1435.
Hall, W. A., New York, N. Y., assignor to American Mahogany Company. Vulcanizing and coloring wood. No. 891,987; June 30; Sp. p. 5718; Gaz. vol. 134; p. 2094.
Hall, W. A., New York, N. Y., assignor to American Mahogany Company. Coloring wood. No. 901,094; Oct. 13; Sp. p. 2155; Gaz. vol. 136; p. 1434.
Hall, W. A., New York, N. Y., assignor to American Mahogany Company. Coloring wood. No. 901,095; Oct. 13; Sp. p. 2157; Gaz. vol. 136; p. 1434.
Hall, W. A., New York, N. Y., assignor to American Mahogany Company. Treating wood for lumber. No. 901,096; Oct. 13; Sp. p. 2158; Gaz. vol. 136; p. 1434.
Hall, W. A., New York, N. Y., assignor to American Mahogany Company. Artificially grained or figured wood and producing the same. No. 901,097; Oct. 13; Sp. p. 2160; Gaz. vol. 136; p. 1435.
Hall, W. B., Chicago, Ill. Door-stop. No. 908,252; Dec. 29; Sp. p. 6258; Gaz. vol. 137; p. 2127.
Hall, W. B., Duquoin, Ill. Burial-vault. No. 908,253; Dec. 29; Sp. p. 6259; Gaz. vol. 137; p. 2128.
Hall, W. P., Greenwich, Conn. Semaphore. No. 906,707; Dec. 15; Sp. p. 3070; Gaz. vol. 137; p. 1553.
Hall, W. W. (See Steed, I. P., assignor.)
Halladay, J. J., Brooklyn, N. Y. Antirattling device for windows and doors. No. 879,381; Feb. 18; Sp. p. 3044; Dr. p. 634; Gaz. vol. 132; p. 1408.
Halladay, L. P., assignor to Streator Metal Stamping Company, Streator, Ill. Carpet-sweeper. No. 900,527; Oct. 6; Sp. p. 981; Dr. p. 200; Gaz. vol. 136; p. 1222.
Hallahan, E. J., assignor of two-thirds to W. H. Kessler and J. R. Good, Augusta, Ga. Sausage-stuffing machine. No. 889,122; May 26; Sp. p. 5645; Dr. p. 1195; Gaz. vol. 134; p. 1003.
Hallarn, W. J., assignor of one-half to H. H. Bowman, Toronto, Ontario, Canada. Gas-range. No. 887,391; May 12; Sp. p. 2177; Dr. p. 455; Gaz. vol. 134; p. 376.
Halle, W., Union, N. J. Flying-machine. No. 881,184; Mar. 10; Sp. p. 1376; Dr. p. 297; Gaz. vol. 133; p. 264.
Hallenbrook, B. (See Söderlund and Hallenbrook.)
Haller, C. C., assignor to McCord & Company, Chicago, Ill. Lubricator. No. 895,557; Aug. 11; Sp. p. 1573; Dr. pp. 332-3; Gaz. vol. 135; p. 1178.
Haller, H. E., assignor to Pittsburgh Gage & Supply Company, Pittsburg, Pa. Apparatus for treating waste oils. No. 886,696; May 5; Sp. p. 725; Dr. p. 149; Gaz. vol. 134; p. 122.
Haller, J. F., Sheridan borough, Pa. Bottle-washing machine. No. 900,528; Oct. 6; Sp. p. 983; Dr. p. 200; Gaz. vol. 136; p. 1223.
Haller Machine Co. (See Sinclair, W. E., assignor.)
Hallett, T. E., Chicago, Ill. Insulator. No. 894,201; July 28; Sp. p. 3817; Dr. p. 790; Gaz. vol. 135; p. 678.
Hallett, W. E., and F. Kaner, New York, N. Y. Electric signaling. No. 888,885; May 26; Sp. p. 5182; Dr. p. 1100; Gaz. vol. 134; p. 928.
Halley, F., Chicago, Ill. Railway-crossing. No. 898,466; Sept. 15; Sp. p. 2480; Dr. p. 530; Gaz. vol. 136; p. 459.
Halley, G., Nevada, Iowa. Heating-drum. No. 885,470; Apr. 21; Sp. p. 3695; Dr. p. 776; Gaz. vol. 133; p. 1839.
Halley, G. W., Nevada, Iowa. Hog-trap. No. 888,161; May 19; Sp. p. 3676; Dr. p. 768; Gaz. vol. 134; p. 651.
Halley, S. R. (See Hufeland, P., assignor.)
Hallgren, C., Pittsburg, Pa. Curtain-pole-lifting device. No. 906,415; Dec. 8; Sp. p. 2524; Gaz. vol. 137; p. 1434.
Hallgren, C. A. V., assignor to Aktiebolaget Nordiska Uppfinningar, Stockholm, Sweden. Machine for wiring bottles and the like. No. 905,696; Dec. 1; Sp. p. 1154; Gaz. vol. 137; p. 1171.
Halliday, C., Banbridge, Ireland. Means for supporting climbing plants. No. 879,959; Feb. 25; Sp. p. 4292; Dr. p. 897; Gaz. vol. 132; p. 1631.
Halliday, D., Shipman, Ill. Belt guide and shifter. No. 896,726; Aug. 25; Sp. p. 3869; Dr. p. 837; Gaz. vol. 135; p. 1597.
Halliday, E. B. (See Reed, J. D., assignor.)
Halliday, J. C., *et al.* (See Weinhardt, A. G., assignor.)
Halling, C. A. (See Lindahl, J. T., assignor.)
Hallman, S. G., Hincley, Minn. Hand-operated mechanism for row-boats. No. 892,418; July 7; Sp. p. 51; Dr. p. 12; Gaz. vol. 135; p. 12.
Hallock, A. T., assignor to Fireless Cooker Company, Grand Rapids, Mich. Fireless cooker. No. 883,715; Apr. 7; Sp. p. 75; Dr. p. 12; Gaz. vol. 133; p. 1204.
Hallock, D. E. (See Hallock, D. Y. and D. E.)
Hallock, D. Y. and D. E., assignors to A. B. Farquhar Company, Limited, York, Pa. Potato-digger. No. 886,322; Apr. 28; Sp. p. 5445; Dr. pp. 1141-2; Gaz. vol. 133; p. 2148.
Hallock, F. D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electric-motor control. No. 892,419; July 7; Sp. p. 51; Dr. pp. 12-13; Gaz. vol. 135; p. 13.
Hallock, F. D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburg, Pa. Motor-controlling device. No. 895,012; Aug. 4; Sp. p. 487; Dr. pp. 98-9; Gaz. vol. 135; p. 973.
Hallock Fireless Cooker Company. (See Hallock, A. T., assignor.)
Halloran, J. R., New Britain, Conn. Apparatus for cooling and dispensing beverages. No. 880,075; Feb. 25; Sp. p. 4522; Dr. p. 952; Gaz. vol. 132; p. 1668.
Hallot, P. (See Mamet and Hallot.)
Hallway, J. A., New York, N. Y. Musical wind instrument. No. 902,290; Oct. 27; Sp. p. 4642; Dr. p. 941; Gaz. vol. 136; p. 1890.
Hallowell, H. T., assignor to Standard Pressed Steel Company, Philadelphia, Pa. Shaft-collar. No. 894,884; Aug. 4; Sp. p. 176; Dr. p. 38; Gaz. vol. 135; p. 928.
Hallowell, H. T., assignor to Standard Pressed Steel Company, Philadelphia, Pa. Shaft-collar. No. 895,408; Aug. 4; Sp. p. 1256; Dr. pp. 265-6; Gaz. vol. 135; p. 1104.
Hallowell, H. T., assignor to Standard Pressed Steel Company, Philadelphia, Pa. Shaft-collar. No. 895,409; Aug. 4; Sp. p. 1261; Dr. p. 266; Gaz. vol. 135; p. 1104.
Hallowell, L. S., assignor to Fox-Borden Manufacturing Company, New York, N. Y. Telephone-holder. No. 906,874; Dec. 15; Sp. p. 3400; Gaz. vol. 137; p. 1606.
Hallwood, H. S., Columbus, Ohio. Chart for scales. No. 903,711; Nov. 10; Sp. p. 2353; Gaz. vol. 137; p. 414.
Hallwood, H. S., assignor to International Register Company, Columbus, Ohio. Cash-register. No. 876,635; Jan. 14; Sp. p. 1969; Dr. pp. 428-9; Gaz. vol. 132; p. 349.
Halm, F., Sherman, Cal. Car-fender. No. 879,044; Feb. 11; Sp. p. 2357; Dr. p. 493; Gaz. vol. 132; p. 1257.
Halm, B. de Dios-Györ, Austria-Hungary. Automatic vehicle-stopping device. No. 893,489; July 14; Sp. p. 2240; Dr. p. 469; Gaz. vol. 135; p. 393.
Halsey, E. R., South Orange, N. J. Driving mechanism. No. 880,732; Mar. 3; Sp. p. 484; Dr. pp. 102-3; Gaz. vol. 133; p. 85.
Halsey, E. S., Palmetto, Fla., assignor to General Electric Company. Lightning-arrester. No. 888,235; May 19; Sp. p. 3808; Dr. p. 800; Gaz. vol. 134; p. 681.
Halsey, F. A., Swanton, Vt. Smokeless powder. No. 878,726; Feb. 11; Sp. p. 1773; Gaz. vol. 132; p. 1158.
Halstead, C. H., assignor to Central Bedding Company of Illinois, Chicago, Ill. Wire bed-bottom fabric. No. 904,611; Nov. 24; Sp. p. 4257; Gaz. vol. 137; p. 776.
Halstead, C. H., assignor to Central Bedding Company of Illinois, Chicago, Ill. Wire bed-bottom fabric. No. 904,612; Nov. 24; Sp. p. 4258; Gaz. vol. 137; p. 776.
Halstead, W. (See Tebyricá and Halstead.)
Halterman, A. C., Buckhannon, W. Va. Hospital-bed sheet. No. 892,047; June 30; Sp. p. 5821; Dr. p. 1252; Gaz. vol. 134; p. 2112.
Halvorsen, G., Waseca, Minn. Windmill. No. 903,374; Nov. 10; Sp. p. 1669; Gaz. vol. 137; p. 306.
Halvorsen, B. F., Christiania, Norway. Producing concentrated nitric acid. No. 892,516; July 7; Sp. p. 249; Gaz. vol. 135; p. 46.
Halvorsen, O., *et al.* (See Johnson, E., assignor.)
Halvorsen, C. A. B., Jr. (See Fleming and Halvorsen.)
Halvorsen, C. A. B., Jr., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 905,514; Dec. 1; Sp. p. 821; Gaz. vol. 137; p. 1114.
Halvorsen, C. A. B., Jr., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 905,515; Dec. 1; Sp. p. 823; Gaz. vol. 137; p. 1114.
Halyburton, J. P. L., Cohoes, N. Y. Valve. No. 902,291; Oct. 27; Sp. p. 4642; Dr. p. 942; Gaz. vol. 136; p. 1890.

Alphabetical list of patentees—Continued.

- Ham, A. G., Rochester, Minn. Quack grass or weed exterminator. No. 901,533; Oct. 20; Sp. p. 3083; Dr. p. 630; Gaz. vol. 136; p. 1615.
- Ham, E. W. (See Ham, H. H., assignor.)
- Ham, H. H., Shrewsbury, assignor of one-half to E. W. Ham, Worcester, Mass. Attachment for incandescent-lamp sockets. No. 904,476; Nov. 17; Sp. p. 3973; Gaz. vol. 137; p. 705.
- Ham, J. S., Covington, Va., assignor to Covington Machine Company. Coke-leveling machine. No. 876,175; Jan. 7; Sp. p. 949; Dr. pp. 204-5; Gaz. vol. 132; p. 162.
- Hamacek, A. F., assignor of one-half to D. B. Baker, Chicago, Ill. Intermittent-motion device. No. 903,469; Nov. 10; Sp. p. 1868; Gaz. vol. 137; p. 337.
- Hamacheck, J. (See Hamilton and Hamacheck.)
- Hamachek, F., Kewaunee, Wis. Side-delivery mechanism for harvesters. No. 900,727; Oct. 13; Sp. p. 1399; Dr. pp. 285-6; Gaz. vol. 136; p. 1315.
- Hamacher-Hawkins Manufacturing Co. (See Hawkins, H. E., assignor.)
- Hamaker, W. D. (See Melvin, R. N., assignor.)
- Hamann, A. L. (See Hummel, E. A., assignor.)
- Hamann, A. F. H., Hamburg, Germany. Casement or folding window. No. 887,936; May 19; Sp. p. 3260; Dr. p. 684; Gaz. vol. 134; p. 586.
- Hamann, R. W., assignor to E. J. Feiner, St. Louis, Mo. Boiler-flue cleaner. No. 884,818; Apr. 14; Sp. p. 2366; Dr. p. 497; Gaz. vol. 133; p. 1598.
- Hamann, R. W., assignor to E. J. Feiner, St. Louis, Mo. Boiler-flue cleaner. No. 903,971; Nov. 17; Sp. p. 2917; Gaz. vol. 137; p. 532.
- Hambay, J. T., New York, N. Y. Foundation. No. 885,043; Apr. 21; Sp. p. 2819; Dr. p. 596; Gaz. vol. 133; p. 1700.
- Hambleton, S. F., Sycamore, Kans. Combined plumb and level. No. 904,422; Nov. 17; Sp. p. 3857; Gaz. vol. 137; p. 686.
- Hamblin, M. W., Milwaukee, Wis., assignor to American District Telegraph Company, New York, N. Y. Fire-alarm box. No. 882,250; Mar. 17; Sp. p. 3523; Dr. p. 748; Gaz. vol. 133; p. 636.
- Hamblin, S. M., assignor to Bay State Last Company, Stoughton, Mass. Last. No. 877,995; Feb. 4; Sp. p. 194; Dr. p. 43; Gaz. vol. 132; p. 882.
- Hamblin, S. M., assignor to Bay State Last Company, Walpole, Mass. Shoe tree or form. No. 904,775; Nov. 24; Sp. p. 4622; Gaz. vol. 137; p. 831.
- Hambrie, P. T., assignor of one-half to W. E. Darrow, Sutter Creek, Cal. Concentrating apparatus. No. 878,879; Feb. 11; Sp. p. 2060; Dr. p. 427; Gaz. vol. 132; p. 1206.
- Hambrecht, H. F., Hamburg, Germany. Knife cleaning and polishing machine. No. 886,602; May 5; Sp. p. 514; Dr. p. 110; Gaz. vol. 12; p. 4; p. 9.
- Hamburg, H. P., Morris Park, assignor to Cushman & Denison Manufacturing Company, New York, N. Y. Hand numbering-machine. No. 905,516; Dec. 1; Sp. p. 826; Gaz. vol. 137; p. 1115.
- Hamel, C. F., and W. G. Vollmayer, Toledo, Ohio. Heel for boots or shoes. No. 881,921; Mar. 17; Sp. p. 2878; Dr. p. 613; Gaz. vol. 133; p. 532.
- Hamel, L. C., Appleton, Wis. Pump-coupling. No. 903,712; Nov. 10; Sp. p. 2355; Gaz. vol. 137; p. 414.
- Hamer, B. C., Winnebago, Ill. Rural-free-delivery-carrier's cabinet. No. 903,565; Nov. 10; Sp. p. 2066; Gaz. vol. 137; p. 369.
- Hamer, T. L., Newark, N. Y. Track-sanding machine. No. 899,529; Sept. 29; Sp. p. 4511; Dr. pp. 968-9; Gaz. vol. 136; p. 867.
- Hamill, A., Baltimore, Md. Child's velociped-wagon. No. 904,062; Nov. 17; Sp. p. 3101; Gaz. vol. 137; p. 563.
- Hamill, L., Olathe, Kans. Magazine-feed match-box. No. 878,059; Feb. 4; Sp. p. 339; Dr. p. 71; Gaz. vol. 132; p. 903.
- Hamilton, A. A., Pawnee City, Nebr. Animal-trap. No. 882,755; Mar. 24; Sp. p. 4501; Dr. p. 959; Gaz. vol. 133; p. 836.
- Hamilton, A. L., Sugartown, La. Running-gear for vehicles. No. 899,790; Sept. 29; Sp. p. 5074; Dr. p. 1085; Gaz. vol. 136; p. 953.
- Hamilton, B. C., Chicago, Ill., assignor, by mesne assignments, to Stanley Motor Carriage Company. Hydrocarbon-burner. No. 897,202; Aug. 25; Sp. p. 4874; Dr. p. 1037; Gaz. vol. 135; p. 1755.
- Hamilton, D., Goshen, Ind. Churn. No. 901,808; Oct. 20; Sp. p. 3663; Dr. p. 742; Gaz. vol. 136; p. 1705.
- Hamilton, F., assignor of one-half to F. A. Stevens, Providence, R. I. Lens-protractor. No. 901,612; Oct. 20; Sp. p. 3229; Dr. p. 661; Gaz. vol. 136; p. 1639.
- Hamilton, F. G. (See Holley, C. H., assignor.)
- Hamilton, G. H., and V. E. Melire, said Hamilton assignor to E. Connors, New York, N. Y. Amusement device. No. 904,953; Nov. 24; Sp. p. 4991; Gaz. vol. 137; p. 891.
- Hamilton, H. M. (See Arndt and Hamilton.)
- Hamilton, H. O., and S. J. P. Swallender, assignors to United States Amusement Company, Chicago, Ill. Roundabout. No. 906,625; Dec. 15; Sp. p. 2918; Gaz. vol. 137; p. 1528.
- Hamilton & Hamilton, Jr. (See Fuller, J. A., assignor.)
- Hamilton, I. M., assignor to herself and J. E. Hamilton, Simsbury, Conn. Security attachment for beds. No. 879,164; Feb. 18; Sp. p. 2631; Dr. p. 549; Gaz. vol. 132; p. 1338.
- Hamilton, J., New York, N. Y. Dumping-bucket. No. 885,613; Apr. 21; Sp. p. 3985; Dr. p. 832; Gaz. vol. 133; p. 1882.
- Hamilton, J., and L. Pice, New York, N. Y. Power-hammer. No. 904,528; Nov. 24; Sp. p. 4106; Gaz. vol. 137; p. 748.
- Hamilton, J. E. (See Hamilton, I. M., assignor.)
- Hamilton, J. E., Two Rivers, and J. Hamacheck, Manitowoc, assignors to Hamilton Manufacturing Company, Two Rivers, Wis. Machine for dressing blocks of wood to thickness. No. 895,401; Aug. 4; Sp. p. 1239; Dr. pp. 261-3; Gaz. vol. 135; p. 1102.
- Hamilton, J. F. (See Bailer, J. L., assignor.)
- Hamilton, J. M., Meriden, Conn. Score-board. No. 886,697; May 5; Sp. p. 726; Dr. p. 149; Gaz. vol. 134; p. 123.
- Hamilton, J. T., Albertson, Miss. Cotton-chopper. No. 902,075; Oct. 27; Sp. p. 4200; Dr. p. 851; Gaz. vol. 136; p. 1820.
- Hamilton, J. W., Weatherford, Tex. Baling-press. No. 894,137; July 21; Sp. p. 3664; Dr. p. 757; Gaz. vol. 135; p. 637.
- Hamilton, L. I., New Madrid, Mo. Seal-lock. No. 883,638; Mar. 31; Sp. p. 6300; Dr. p. 1344; Gaz. vol. 133; p. 1152.
- Hamilton Manufacturing Company. (See Hamilton and Hamacheck, assignors.)
- Hamilton, R., Birmingham, Ala. Car-derailer. No. 888,892; May 26; Sp. p. 5196; Dr. pp. 1102-3; Gaz. vol. 134; p. 930.
- Hamilton, R. A., New York, N. Y. Fountain-pen. No. 897,892; Sept. 8; Sp. p. 1328; Dr. p. 284; Gaz. vol. 136; p. 243.
- Hamilton, T. A. (See Fenner, M. E., assignor.)
- Hamilton, W., Erie, Pa. Brake-beam hanger. No. 882,108; Mar. 17; Sp. p. 3257; Dr. p. 692; Gaz. vol. 133; p. 592.
- Hamilton, W., deceased, assignor to National Casket Company, Oneida, N. Y. Face-plate for burial-caskets. (Reissue.) No. 12,750; Feb. 11; Sp. p. 2558; Dr. p. 532; Gaz. vol. 132; p. 1286.
- Hamilton, W. E., Columbus, Ohio. Loading and storing machine. No. 897,893; Sept. 8; Sp. p. 1329; Dr. pp. 284-7; Gaz. vol. 136; p. 243.
- Hamilton, W. J., Newark, N. J. Cooling apparatus. No. 893,921; July 21; Sp. p. 3216; Gaz. vol. 135; p. 565.
- Hamilton, W. L., Chicago, Ill. Register-hook. No. 885,994; Apr. 28; Sp. p. 4806; Dr. p. 1009; Gaz. vol. 133; p. 2039.
- Hamilton, W. S., and J. R. Williams, Houston, Tex. Washing-machine. No. 889,924; June 9; Sp. p. 1448; Dr. p. 327; Gaz. vol. 134; p. 1318.
- Hamkens, H., assignor to Mesta Machine Company, Homestead, Pa. Blowing-engine valve. No. 894,381; July 28; Sp. p. 4492; Dr. pp. 865-6; Gaz. vol. 135; p. 737.
- Hamlin, C. S., assignor to E. W. Wilson, Los Angeles, Cal. Pipe. No. 901,534; Oct. 20; Sp. p. 3084; Dr. p. 636; Gaz. vol. 136; p. 1615.
- Hamlin, G. O. (See Ernst and Hamlin.)
- Hamlin, P. M., Catawissa, Pa., assignor of one-half to C. H. Unverzagt, New York, N. Y. Apparatus for making mixed fibers. No. 879,165; Feb. 18; Sp. p. 2632; Dr. p. 549; Gaz. vol. 132; p. 1339.
- Hamm, L. (See Lockwood and Hamm.)
- Hamm, W. S., Lakeside, Ill. Lamp and lantern. No. 891,249; June 23; Sp. p. 4176; Dr. p. 915; Gaz. vol. 134; p. 1818.
- Hamm, W. S., Lakeside, Ill. Lamp and lantern. No. 891,250; June 23; Sp. p. 4177; Dr. p. 915; Gaz. vol. 134; p. 1818.
- Hamm, W. S., Chicago, Ill., assignor to Adams and Westlake Company. Lantern. No. 886,973; May 5; Sp. p. 1262; Dr. p. 267; Gaz. vol. 134; p. 209.
- Hamman, G. A., Lawrence, Kans. Dropper-bottle. No. 893,843; July 21; Sp. p. 3067; Dr. p. 626; Gaz. vol. 135; p. 541.
- Hammar, C. A. (See Marble and Hammar.)
- Hammar, S. A. S., Bethlehem, Pa. Breech mechanism. No. 902,487; Oct. 27; Sp. p. 5072; Dr. pp. 1026-8; Gaz. vol. 136; p. 1956.
- Hammel, C. A., Los Angeles, Cal. Oil-burning steam-boiler. No. 882,756; Mar. 24; Sp. p. 4502; Dr. p. 959; Gaz. vol. 133; p. 836.
- Hammer, A. F. (See Gschwend and Cumber, assignors.)
- Hammer, C., Buffalo, N. Y. Water-closet-flushing apparatus. No. 904,477; Nov. 17; Sp. p. 3974; Gaz. vol. 137; p. 705.
- Hammer, C., assignor to American Metal Cap Company, New York, N. Y. Bottle-closure. No. 894,633; July 28; Sp. p. 4699; Dr. p. 976; Gaz. vol. 135; p. 819.
- Hammer, C., assignor to American Metal Cap Company, New York, N. Y. Cap or closure for bottles, jars, or like receptacles. No. 906,875; Dec. 15; Sp. p. 3401; Gaz. vol. 137; p. 1606.
- Hammer, L. F., Omaha, Nebr. Fastener. No. 899,972; Sept. 29; Sp. p. 5445; Dr. p. 1161; Gaz. vol. 136; p. 1010.
- Hammer, W. J., New York, N. Y. Apparatus for measuring light. No. 888,801; May 26; Sp. p. 4986; Dr. p. 1064; Gaz. vol. 134; p. 899.
- Hammer, W. J., New York, N. Y. Measuring light. No. 888,802; May 26; Sp. p. 4989; Dr. p. 1064; Gaz. vol. 134; p. 899.
- Hammer, W. J., New York, N. Y. Making phosphorescent colors. (Reissue.) No. 12,812; June 16; Sp. p. 4119; Gaz. vol. 134; p. 1778.

Alphabetical list of patentees—Continued.

- Hammergren, N. O., Portland, Oreg. Combined needle and tweezers. No. 880,659; Mar. 3; Sp. p. 342; Dr. p. 75; Gaz. vol. 133; p. 60.
- Hammersley, R. (See Vermilyea and Hammersley.)
- Hammett, S. D., Arlington, S. C. Spinning-frame roller. No. 891,060; June 16; Sp. p. 3805; Dr. p. 831; Gaz. vol. 134; p. 1726.
- Hammett, W. T., Ringgold, La. Adjustable hoe. No. 899,791; Sept. 29; Sp. p. 5075; Dr. p. 1086; Gaz. vol. 136; p. 953.
- Hammond, B. W., Oakland, Cal. Pulley-block. No. 876,176; Jan. 7; Sp. p. 952; Dr. p. 205; Gaz. vol. 132; p. 162.
- Hammond, C. C., assignor of one-half to J. J. Lichter and W. Jens, St. Louis, Mo. Meter for measuring liquids. No. 903,566; Nov. 10; Sp. p. 2066; Gaz. vol. 137; p. 369.
- Hammond, C. P., Americus, Ga. Metallic railway-tie. No. 907,789; Dec. 29; Sp. p. 5285; Gaz. vol. 137; p. 1974.
- Hammond Homburger Company. (See Chapman, A. B., assignor.)
- Hammond, J. B., New York, N. Y. Variable-spacing mechanism for type-writers. No. 889,227; June 2; Sp. p. 73; Dr. p. 16; Gaz. vol. 134; p. 1069.
- Hammond, J. F., Prince Bay, N. Y., and R. B. Savin, assignors to S. S. White Dental Mfg. Co., Philadelphia, Pa. Electric-furnace muffle. No. 904,529; Nov. 24; Sp. p. 4108; Gaz. vol. 137; p. 749.
- Hammond, L. W., North Plainfield, assignor of one-half to L. Moledetzky, Plainfield, N. J. Stove. No. 877,190; Jan. 21; Sp. p. 3109; Dr. p. 673; Gaz. vol. 132; p. 572.
- Hammond, M. B., Bridgeport, Conn. Hair-roll. No. 906,795; Dec. 15; Sp. p. 3239; Gaz. vol. 137; p. 1581.
- Hammond, M. C., Chattanooga, Tenn. Skirt-measuring device. No. 878,383; Feb. 4; Sp. p. 989; Dr. p. 199; Gaz. vol. 132; p. 1010.
- Hammond, R. A. (See Clayton, F. T., assignor.)
- Hammond, R. A. (See Lee, A. D., assignor.)
- Hammond, R. A., Sandwich, Mass. Rope-socket. No. 878,060; Feb. 4; Sp. p. 340; Dr. p. 71; Gaz. vol. 132; p. 904.
- Hammond, R. O. (See Calkins and Hammond.)
- Hammond, R. O., Buffalo, assignor, by mesne assignments, to Union Shoe Polishing Machine Company, Elmira, N. Y. Shoe-polishing machine. No. 879,541; Feb. 18; Sp. p. 3382; Dr. p. 707-9; Gaz. vol. 132; p. 1461.
- Hammond, T. J., New York, N. Y. Wrench. No. 907,346; Dec. 22; Sp. p. 4328; Gaz. vol. 137; p. 1797.
- Hammond, W. J., Jr., Pittsburg, Pa. Tunneling-machine. No. 885,044; Apr. 21; Sp. p. 2820; Dr. pp. 596-7; Gaz. vol. 133; p. 1700.
- Hamor, G. D. (See Tomer, J. L., assignor.) (Reissue.)
- Hampson, C. M., assignor of one-half to A. P. Schmucker, Denver, Colo. Motive-fluid-operated rock-drill. No. 907,041; Dec. 15; Sp. p. 3699; Gaz. vol. 137; p. 1659.
- Hampton, C. G., Ryde, Cal. Cutter bar and guard. No. 888,491; May 26; Sp. p. 4337; Dr. p. 918; Gaz. vol. 134; p. 795.
- Hampton, E. E., and C. G. Smith, Palisade, Colo. Air-compressor mechanism for self-propelled vehicles. No. 877,924; Feb. 4; Sp. p. 60; Dr. p. 12; Gaz. vol. 132; p. 859.
- Hampton, J. T., and R. E. L. Eagle, England, Ark. Shade-roller bracket. No. 889,925; June 9; Sp. p. 1449; Dr. p. 327; Gaz. vol. 134; p. 1319.
- Hampton, S. S. (See La Jord, T. M., assignor.)
- Hampton, W. B., Fremont, Mo. Planter. No. 883,014; Mar. 24; Sp. p. 5011; Dr. pp. 1066-7; Gaz. vol. 133; p. 920.
- Hampton, W. B., Fremont, Mo. Check-row attachment. No. 892,953; July 7; Sp. p. 1132; Dr. pp. 237-8; Gaz. vol. 135; p. 189.
- Hamrie, J. B., and D. C. Chitwood, Collinsville, Ala. Device for overcoming dead-centers. No. 889,304; June 2; Sp. p. 217; Dr. p. 54; Gaz. vol. 134; p. 1093.
- Hanak, E., New Orleans, La. Portable stacking-elevator. No. 897,462; Sept. 1; Sp. p. 456; Dr. pp. 97-8; Gaz. vol. 136; p. 72.
- Hanaman, F. (See Just and Hanaman.)
- Hanaway, F. M., Glen Mills, Pa. Hair-brush. No. 898,467; Sept. 15; Sp. p. 2480; Dr. p. 531; Gaz. vol. 136; p. 459.
- Hance, W. H., St. Louis, Mo. Cotton thinning and weeding machine. No. 906,223; Dec. 8; Sp. p. 2183; Gaz. vol. 137; p. 1373.
- Hanchett, G. T., Hackensack, and H. M. Shaw, East Orange, N. J. Voltage-protector. No. 895,854; Aug. 11; Sp. p. 2166; Dr. p. 460; Gaz. vol. 135; p. 1273.
- Hanchett, O. R. (See Babbitt and Hanchett.)
- Hanchett Swage Works. (See Hedstrom, J. P., assignor.)
- Hancock, B. L., Milwaukee, Wis. Conveying-belt. No. 907,790; Dec. 29; Sp. p. 5287; Gaz. vol. 137; p. 1974.
- Hancock, G. A. (See Draper, H. V., assignor.)
- Hancock, H. W., Chicago, Ill. Running-gear for vehicles. No. 884,488; Apr. 14; Sp. p. 1660; Dr. p. 357; Gaz. vol. 133; p. 1487.
- Hancock, L. B., Richmond, and W. J. Sterling, Portsmouth, Va. Burglar-alarm. No. 893,490; July 14; Sp. p. 2242; Dr. p. 469; Gaz. vol. 135; p. 394.
- Hancock, W. A., Montrose, Iowa. Cultivator. No. 897,094; Aug. 25; Sp. p. 4681; Dr. p. 997; Gaz. vol. 135; p. 1721.
- Hand, J. H., assignor of two-thirds to J. L. Duffy and A. J. Paul, Ann Arbor, Mich. Railway-crossing. No. 901,292; Oct. 13; Sp. p. 2527; Dr. p. 519; Gaz. vol. 136; p. 1497.
- Hand, L., Amsterdam, N. Y. Steam-trap. No. 905,517; Dec. 1; Sp. p. 827; Gaz. vol. 137; p. 1115.
- Hand, S. A., assignor to Chandler & Price Company, Cleveland, Ohio. Attachment for gear-cutting, planing, and milling machines. No. 883,952; Apr. 7; Sp. p. 579; Dr. p. 116; Gaz. vol. 133; p. 1284.
- Hand, S. A., assignor to Chandler & Price Company, Cleveland, Ohio. Power-actuated paper-cutting machine. No. 893,166; July 14; Sp. p. 1585; Dr. pp. 335-6; Gaz. vol. 135; p. 288.
- Hand, T., Walla Walla, Wash. Nut-lock. No. 885,614; Apr. 21; Sp. p. 3987; Dr. p. 832; Gaz. vol. 133; p. 1882.
- Hand, T. J., New York, N. Y. Wrench. No. 879,259; Feb. 18; Sp. p. 2800; Dr. p. 587; Gaz. vol. 132; p. 1369.
- Handford, R. S., Batesville, Ark. Rail-joint truss. No. 884,382; Apr. 14; Sp. p. 1452; Dr. p. 309; Gaz. vol. 133; p. 1453.
- Handiges, P. T., assignor to Damascus Brake Beam Co., Cleveland, Ohio. Adjustable brake-head. No. 886,603; May 5; Sp. p. 515; Dr. p. 111; Gaz. vol. 134; p. 92.
- Handiges, P. T., assignor to Damascus Brake Beam Co., Cleveland, Ohio. Brake-head. No. 906,708; Dec. 15; Sp. p. 3073; Gaz. vol. 137; p. 1553.
- Handlan, A. H., Jr., St. Louis, Mo. Combined base-frame and bracket for signal-lamps. No. 877,841; Jan. 28; Sp. p. 4377; Dr. p. 952; Gaz. vol. 132; p. 803.
- Handlan, A. H., Jr., St. Louis, Mo. Combined base-ring and bracket for signal-lamps. No. 882,309; Mar. 17; Sp. p. 3647; Dr. p. 773; Gaz. vol. 133; p. 657.
- Handlan, A. H., Jr., St. Louis, Mo. Lamp-burner. No. 888,162; May 19; Sp. p. 3676; Dr. p. 768; Gaz. vol. 134; p. 657.
- Handlan, A. H., Jr., St. Louis, Mo. Lantern-frame. No. 894,433; July 28; Sp. p. 4312; Dr. p. 889; Gaz. vol. 135; p. 755.
- Handlan-Buck Manufacturing Company. (See Rolfe, G. H., assignor.)
- Händler, A. F., and K. A. Starke, New York, N. Y. Advertising fly-catcher. No. 885,615; Apr. 21; Sp. p. 3988; Dr. p. 833; Gaz. vol. 133; p. 1883.
- Handley, G. (See Davis and Handley.)
- Handly, T. F., Allegheny, Pa. Pencil, penholder, and like article. No. 897,530; Sept. 1; Sp. p. 598; Dr. p. 125; Gaz. vol. 136; p. 94.
- Handschin, E. (See Schmitt and Handschin.)
- Handy, R. G., Bay City, Mich. Vehicle suspension. No. 885,845; Apr. 28; Sp. p. 4484; Dr. p. 941; Gaz. vol. 133; p. 1989.
- Hanenberger, F. A., Eyota, Minn. Journal-box for hay-loaders. No. 897,095; Aug. 25; Sp. p. 4682; Dr. p. 998; Gaz. vol. 135; p. 1722.
- Hangen, C. P., et al. (See Titus, W., assignor.)
- Hanger, A. W., Staunton, Va. Acetylene-gas generator. No. 894,885; Aug. 4; Sp. p. 179; Dr. p. 39; Gaz. vol. 135; p. 928.
- Hanger, H., Washington, D. C. Artificial limb. No. 907,146; Dec. 22; Sp. p. 3924; Gaz. vol. 137; p. 1729.
- Hanhart, L. J. (See Robinson and Hanhart.)
- Hanigan, A. W., Philadelphia, Pa., assignor to Ontario Type Machine Company, Limited, Toronto, Canada. Printer's type. No. 896,381; Aug. 18; Sp. p. 3191; Dr. p. 684; Gaz. vol. 135; p. 1464.
- Hanigan, A. W., Baltimore, Md., assignor to Ontario Type Machine Company, Limited, Toronto, Ontario, Canada. Type-casting machine. No. 896,908; Aug. 25; Sp. p. 4271; Dr. pp. 913-18; Gaz. vol. 135; p. 1660.
- Hanington, C. F., Roselle Park, N. J. Transom-operating mechanism. No. 895,013; Aug. 4; Sp. p. 489; Dr. p. 99; Gaz. vol. 135; p. 973.
- Hanks, C. M. (See Neville, Clay, and Clewer, assignors.)
- Hanks, G. P., Wilkes-Barre, Pa. Air-brake attachment and tripping mechanism therefor. No. 881,796; Mar. 10; Sp. p. 2581; Dr. pp. 554-5; Gaz. vol. 133; p. 460.
- Hanley, W., East Orange, assignor to Ferguson Bros. Mfg. Co., Hoboken, N. J. Folding table. No. 906,131; Dec. 8; Sp. p. 1999; Gaz. vol. 137; p. 1342.
- Hanlin, S., Pittsburg, Pa., and G. W. Rigney, Battle Creek, Mich. Brake-handle. No. 898,880; Sept. 15; Sp. p. 3261; Dr. p. 698; Gaz. vol. 136; p. 593.
- Hanlon, G. V., Mountainair, N. Mex. Ter. Frame for tent-openings. No. 882,383; Mar. 17; Sp. p. 3773; Dr. p. 805; Gaz. vol. 133; p. 681.
- Hanlon, G. W., assignor to Imperial Curtain Company, New York, N. Y. Means for producing theatrical stage effects. No. 883,953; Apr. 7; Sp. p. 580; Dr. p. 116; Gaz. vol. 133; p. 1284.
- Hanlon, J. H., Somerville, Mass. Sander. No. 892,151; June 30; Sp. p. 6024; Dr. p. 1294; Gaz. vol. 134; p. 2146.

Alphabetical list of patentees—Continued.

- Hanlon, J. H., Somerville, Mass. Track-sander. No. 906,224; Dec. 8; Sp. p. 2188; Gaz. vol. 137; p. 1374.
 Hann, C. K., Columbus, Ohio. Mail-box. No. 890,766; June 16; Sp. p. 3209; Dr. p. 701; Gaz. vol. 134; p. 1629.
 Hann, E. L., deceased, Denton, Tex.; W. C. Smith, administrator de bonis non. Breech-protector. No. 906,876; Dec. 15; Sp. p. 3405; Gaz. vol. 137; p. 1607.
 Hanna, C. T. (See Caldwell, H. C., assignor.)
 Hanna, F. W., Defiance, Iowa, assignor of one-half to J. H. Root, Port Byron, N. Y. Automatic constant-discharge water-gate. No. 902,531; Oct. 27; Sp. p. 5189; Dr. p. 1048; Gaz. vol. 136; p. 1972.
 Hanna, J. N., and D. K. Waugh, Ordway, Colo. Beet-topping machine. No. 882,465; Mar. 17; Sp. p. 3911; Dr. pp. 836-7; Gaz. vol. 133; p. 707.
 Hanna, J. N., and D. K. Waugh, Ordway, Colo. Beet-topping machine. No. 908,254; Dec. 29; Sp. p. 6261; Gaz. vol. 137; p. 2128.
 Hanna, M. R., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 897,257; Aug. 25; Sp. p. 5102; Dr. p. 1065; Gaz. vol. 135; p. 1779.
 Hanna, M. R., Schenectady, N. Y., assignor to General Electric Company. Motor-control system for electric vehicles. No. 905,697; Dec. 1; Sp. p. 1160; Gaz. vol. 137; p. 1171.
 Hanna, T., Columbus, Ohio. Globe for inverted burners. No. 898,881; Sept. 15; Sp. p. 3263; Dr. p. 698; Gaz. vol. 136; p. 593.
 Hannaford, A. R., Traverse City, Mich. Concrete-mixer. No. 901,340; Oct. 20; Sp. p. 2628; Dr. p. 540; Gaz. vol. 136; p. 1548.
 Hannagan, J. W. (See Walker, S. W., assignor.)
 Hannab, A., Warrenpoint, N. J. Gauze-loom. No. 899,973; Sept. 29; Sp. p. 5446; Dr. p. 1161; Gaz. vol. 136; p. 1010.
 Hannas, L. H., Utica, N. Y. Skee. No. 902,654; Nov. 3; Sp. p. 239; Gaz. vol. 137; p. 40.
 Hannay, W. M., et al. (See Snyder, G. H., assignor.)
 Hannemann, F., Great Falls, Mont. Window-shade bracket. No. 884,274; Apr. 7; Sp. p. 1234; Dr. p. 259; Gaz. vol. 133; p. 1388.
 Hannemann, F., Great Falls, Mont. Window-shade bracket. No. 904,423; Nov. 17; Sp. p. 3858; Gaz. vol. 137; p. 687.
 Hannes, B. M., St. Louis, Mo., assignor to J. E. Richards, Dayton, Ohio. Poultry-trap. No. 879,132; Feb. 11; Sp. p. 2552; Dr. p. 531; Gaz. vol. 132; p. 1285.
 Hannon, J. E., Maynard, Mass. Foldable umbrella. No. 897,096; Aug. 25; Sp. p. 4683; Dr. pp. 998-9; Gaz. vol. 135; p. 1722.
 Hanon, J., near Dearborn, Mo. Spoke setter and guide. No. 888,010; May 19; Sp. p. 3399; Dr. p. 715; Gaz. vol. 134; p. 610.
 Hanrahan, J. E. (See Brown, Hanrahan, and Boyden.)
 Hanreddy, J. (See Mertens, J. C., assignor.)
 Hans Kraut Manufacturing Company. (See Huebner, J., assignor.)
 Hans Reisert Company. (See Reisert, H., assignor.)
 Hanscom, W. W. (See Forsyth and Hanscom.)
 Hansell, H. F., Jr., and G. D. Lewis, Philadelphia, Pa. Self-feeding shaving-brush. * No. 395,014; Aug. 4; Sp. p. 492; Dr. p. 99; Gaz. vol. 135; p. 973.
 Hansen, A. T. (See Goss and Hansen.)
 Hansen-Bennett Company. (See Hansen, C. E., assignor.)
 Hansen, C. C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Sectional bit or cutter. No. 887,325; May 12; Sp. p. 2026; Dr. p. 424; Gaz. vol. 134; p. 355.
 Hansen, C. E., Cincinnati, Ohio. Tonges. No. 891,061; June 16; Sp. p. 3806; Dr. p. 831; Gaz. vol. 134; p. 1726.
 Hansen, C. E., Providence, R. I., assignor to Hansen-Bennett Company. Match-box. No. 895,454; Aug. 11; Sp. p. 1361; Dr. p. 287; Gaz. vol. 135; p. 1143.
 Hansen, E. J., Exira, Iowa. Pot-cover. No. 889,367; June 2; Sp. p. 345; Dr. p. 80; Gaz. vol. 134; p. 1114.
 Hansen-Ellehammer, J. C., and E. A. P. R. Lund, Copenhagen, Denmark. Printing and stamping machine. No. 885,616; Apr. 21; Sp. p. 3989; Dr. pp. 833-4; Gaz. vol. 133; p. 1883.
 Hansen, H., Bremen, Germany. Manufacture of intermediate walls. No. 887,041; May 5; Sp. p. 1395; Dr. p. 296; Gaz. vol. 134; p. 232.
 Hansen, H., assignor of one-third to E. A. Gustafson, Warwick, N. D. Stove-hood. No. 879,463; Feb. 18; Sp. p. 3235; Dr. p. 673; Gaz. vol. 132; p. 1435.
 Hansen, H. A., assignor to Firm of F. Mogensen, Copenhagen, Denmark. Gate-valve. No. 891,062; June 16; Sp. p. 3808; Dr. p. 831; Gaz. vol. 134; p. 1726.
 Hansen, H. C., Newton, Mass. Metal-extractor. No. 879,870; Feb. 25; Sp. p. 4091; Dr. p. 858; Gaz. vol. 132; p. 1601.
 Hansen, H. C., Oak Harbor, Ohio. Power-jack. No. 905,177; Dec. 1; Sp. p. 108; Gaz. vol. 137; p. 1001.
 Hansen, H. F., Granite Heights, Wis. Envelop-opener. No. 889,004; May 26; Sp. p. 5406; Dr. p. 1148; Gaz. vol. 134; p. 965.
 Hansen, H. K., assignor of one-half to L. C. Farr, Logan, Utah. Extension-stovepipe. No. 886,366; May 5; Sp. p. 46; Dr. p. 9; Gaz. vol. 134; p. 12.
 Hansen, H. K., assignor of one-half to F. Turner and N. R. Moore, Logan, Utah. Screen. No. 893,729; July 21; Sp. p. 2830; Dr. p. 581; Gaz. vol. 135; p. 503.
 Hansen, H. P., and I. Erickson, Chicago, Ill. Combination curtain ring and fastener. No. 906,132; Dec. 8; Sp. p. 2001; Gaz. vol. 137; p. 1342.
 Hansen, H. T., Chicago, Ill. Transmission-gear for motor-vehicles. No. 904,868; Nov. 24; Sp. p. 4828; Gaz. vol. 137; p. 863.
 Hansen, H. T., Milwaukee, Wis., assignor, by mesne assignments, to T. D. Lovering, St. Paul, Minn. Driving mechanism for motor-driven vehicles. No. 902,149; Oct. 27; Sp. p. 4341; Dr. p. 879; Gaz. vol. 136; p. 1844.
 Hansen, H. W. (See Andersen and Hansen.)
 Hansen, J. Muskegon, Mich. Fish-bait. No. 879,869; Feb. 25; Sp. p. 4089; Dr. p. 858; Gaz. vol. 132; p. 1600.
 Hansen, J. M., Pittsburg, Pa. Truck for railway-cars. No. 903,286; Nov. 10; Sp. p. 1503; Gaz. vol. 137; p. 277.
 Hansen, J. M., assignor to Forged Steel Wheel Company, Pittsburg, Pa. Making circular wrought-metal blanks. No. 881,398; Mar. 10; Sp. p. 1812; Dr. p. 392; Gaz. vol. 133; p. 332.
 Hansen, J. M., assignor to Forged Steel Wheel Company, Pittsburg, Pa. Making circular wrought-metal blanks. No. 881,399; Mar. 10; Sp. p. 1814; Dr. p. 392; Gaz. vol. 133; p. 333.
 Hansen, J. S., Brockton, Mass., assignor to O. A. Miller Treering Machine Company, Portland, Me. Shoe-finishing machine. No. 886,604; May 5; Sp. p. 517; Dr. pp. 111-12; Gaz. vol. 134; p. 93.
 Hansen, J. S., assignor to O. A. Miller Treering Machine Company, Brockton, Mass. Shoe-tree. No. 903,082; Nov. 3; Sp. p. 1104; Gaz. vol. 137; p. 180.
 Hansen, J. W., Princeton, Ind. Program attachment for clocks. No. 900,529; Oct. 6; Sp. p. 984; Dr. pp. 200-1; Gaz. vol. 136; p. 1223.
 Hansen, K. H., assignor to Arthur Koppel Company, Pittsburg, Pa. Dump-car. No. 899,108; Sept. 22; Sp. p. 3679; Dr. p. 788; Gaz. vol. 136; p. 694.
 Hansen, N. D., Fairfax, S. D. Loading apparatus. No. 882,384; Mar. 17; Sp. p. 3774; Dr. pp. 805-6; Gaz. vol. 133; p. 681.
 Hansen, P. (See Jones and Hansen.)
 Hansen, P. L., Providence, R. I. Bracelet. No. 896,988; Aug. 25; Sp. p. 4470; Dr. p. 955; Gaz. vol. 135; p. 1686.
 Hansen, T., Everett, assignor of one-half to A. H. Berry, Waltham, Mass. Thread-winding machine. No. 895,455; Aug. 11; Sp. p. 313; Dr. pp. 287-8; Gaz. vol. 135; p. 1143.
 Hansen, T., Everett, assignor, by mesne assignments, to Standard Fibre Company, Incorporated, Somerville, Mass. Collapsible mandrel. No. 899,530; Sept. 29; Sp. p. 4512; Dr. p. 969; Gaz. vol. 136; p. 867.
 Hansen, V., Sparks, Nev. Attachment for shirts. No. 883,639; Mar. 31; Sp. p. 6301; Dr. p. 1344; Gaz. vol. 133; p. 1152.
 Hansen, W. L., and A. Hayes, Coalville, Utah. Drop-axle for tilting platforms. No. 881,316; Mar. 10; Sp. p. 1648; Dr. p. 353; Gaz. vol. 133; p. 307.
 Hansen, W. M., Oxford, Pa. Loading apparatus. No. 893,491; July 14; Sp. p. 2243; Dr. p. 469; Gaz. vol. 135; p. 394.
 Hanses, F., assignor of three-fourths to H. P. and F. Decker and R. A. Eastman, Chicago, Ill. Machine for turning irregular objects. No. 882,632; Mar. 24; Sp. p. 4260; Dr. pp. 902-3; Gaz. vol. 133; p. 796.
 Hanson, A., et al. (See Johnson, E., assignor.)
 Hanson, A. B., Milwaukee, Wis. Piano-stool. No. 896,382; Aug. 18; Sp. p. 3193; Dr. p. 684; Gaz. vol. 135; p. 1464.
 Hanson, A. K., Milwaukee, Wis. Billiard-cue. No. 894,434; July 28; Sp. p. 4313; Dr. p. 889; Gaz. vol. 135; p. 766.
 Hanson, B., Schroyer, Kans. Engine-valve. (Reissue.) No. 12,738. Jan. 14; Sp. p. 2522; Dr. p. 552; Gaz. vol. 132; p. 441.
 Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Friction-clutch. No. 876,543; Jan. 14; Sp. p. 1760; Dr. p. 380; Gaz. vol. 132; p. 317.
 Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Back-rest for metal-reducing machines. No. 886,293; Apr. 28; Sp. p. 5370; Dr. p. 1129; Gaz. vol. 133; p. 2137.
 Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Electrically-controlled feed mechanism. No. 886,294; Apr. 28; Sp. p. 5373; Dr. p. 1129; Gaz. vol. 133; p. 2135.
 Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Chuck-actuating device. No. 905,518; Dec. 1; Sp. p. 828; Gaz. vol. 137; p. 1115.
 Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Variable-speed mechanism. No. 905,519; Dec. 1; Sp. p. 830; Gaz. vol. 137; p. 1115.
 Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Steady-rest for metal-reducing machines. No. 905,521; Dec. 1; Sp. p. 835; Gaz. vol. 137; p. 1116.

Alphabetical list of patentees—Continued.

- Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-reducing machine. No. 905,523; Dec. 1; Sp. p. 839; Gaz. vol. 137; p. 1117.
- Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Quill. No. 905,524; Dec. 1; Sp. p. 842; Gaz. vol. 137; p. 1117.
- Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Belt-tension-regulating mechanism. No. 905,525; Dec. 1; Sp. p. 845; Gaz. vol. 137; p. 1117.
- Hanson, B. M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Belt-tightener. No. 905,526; Dec. 1; Sp. p. 847; Gaz. vol. 137; p. 1118.
- Hanson, B. M. W., and F. O. Hoagland, assignors to Pratt & Whitney Company, Hartford, Conn. Attachment for reducing-machines. No. 905,522; Dec. 1; Sp. p. 837; Gaz. vol. 137; p. 1117.
- Hanson, B. M. W., and F. W. Post, assignors to Pratt & Whitney Co., Hartford, Conn. Feed mechanism. No. 905,520; Dec. 1; Sp. p. 831; Gaz. vol. 137; p. 1116.
- Hanson, C. A., Seattle, Wash. Motor-sleigh. No. 885,617; Apr. 21; Sp. p. 3992; Dr. pp. 834-5; Gaz. vol. 133; p. 1883.
- Hanson, C. R., Waterloo, Iowa. Cooking stove or range. No. 888,163; May 19; Sp. p. 3678; Dr. p. 768; Gaz. vol. 134; p. 657.
- Hanson, D. E. (See Wright and Hanson.)
- Hanson, E. Kane, Pa. Milking-machine. No. 892,254; June 30; Sp. p. 6216; Dr. p. 1339; Gaz. vol. 134; p. 2181.
- Hanson, F. P., Waupaca, Wis. Machine for playing pianos. No. 908,404; Dec. 29; Sp. p. 6578; Gaz. vol. 137; p. 2180.
- Hanson, H., Hartford, Conn. Two-way full-stroke device for key-levers. No. 876,959; Jan. 21; Sp. p. 2618; Dr. p. 569; Gaz. vol. 132; p. 494.
- Hanson, H., Hartford, Conn. Combined type-writing and computing machine. No. 905,421; Dec. 1; Sp. p. 580; Gaz. vol. 137; p. 1083.
- Hanson, H., Hartford, Conn. Combined type-writing and computing machine. No. 905,422; Dec. 1; Sp. p. 608; Gaz. vol. 137; p. 1083.
- Hanson, H. A., Grano, N. D. Out-trapping fly-escape screen. No. 897,894; Sept. 8; Sp. p. 1342; Dr. p. 287; Gaz. vol. 136; p. 244.
- Hanson, H. E. (See Wegener and Hanson.)
- Hanson, H. E., Tyler, Tex. Combined funnel and dipper. No. 884,489; Apr. 14; Sp. p. 1662; Dr. p. 357; Gaz. vol. 133; p. 1487.
- Hanson, H. J., Racine, Wis. Animal-releasing device. No. 889,878; June 2; Sp. p. 1339; Dr. p. 306; Gaz. vol. 134; p. 1278.
- Hanson, H. J., Litchville, N. D. Blackboard for partitions. No. 892,954; July 7; Sp. p. 1134; Dr. p. 238; Gaz. vol. 135; p. 189.
- Hanson, J. E., *et al.* (See Bruuas, H. P., assignor.)
- Hanson, J. H., Chicago, Ill. Electric-wire insulator. No. 878,949; Feb. 11; Sp. p. 2190; Dr. p. 459; Gaz. vol. 132; p. 1228.
- Hanson, J. H., Chicago, Ill. Electric-lamp socket. No. 892,721; July 7; Sp. p. 644; Dr. p. 137; Gaz. vol. 135; p. 112.
- Hanson, M., Marinette, Wis. Pulp-machine. No. 901,168; Oct. 13; Sp. p. 2277; Dr. p. 464; Gaz. vol. 136; p. 1457.
- Hanson, N. K. F., Svanö, Fränd, Sweden. Centrifugal pump, blower, and the like. No. 877,191; Jan. 21; Sp. p. 3110; Dr. p. 673; Gaz. vol. 132; p. 572.
- Hanson, O. P., Minneapolis, Minn. Rail-joint. No. 894,202; July 28; Sp. p. 3819; Dr. p. 790; Gaz. vol. 135; p. 679.
- Hanson, S. (See Anderson and Hanson.)
- Hanson, S. S., New York, N. Y. Knockdown bed. No. 885,995; Apr. 28; Sp. p. 4807; Dr. pp. 1009-10; Gaz. vol. 133; p. 2039.
- Hanson & Van Winkle Company. (See Daniels, J. T., assignor.)
- Hanson & Van Winkle Company. (See King, W. R., assignor.)
- Hanson & Van Winkle Company. (See Van Winkle, A., assignor.)
- Hanson & Van Winkle Company. (See Van Winkle and Daniels, assignors.)
- Hanson, W. C., Pittsburg, Pa. Coin-receiver for vending-machines. No. 896,012; Aug. 11; Sp. p. 2476; Dr. p. 532; Gaz. vol. 135; p. 1323.
- Hanssen, C. J. A., assignor to A. Winge, Christiania, Norway. Balcony fire-escape. No. 882,677; Mar. 24; Sp. p. 4349; Dr. p. 925; Gaz. vol. 133; p. 811.
- Hausch, M., Marienbad, Austria-Hungary. Double-pawl coupling. No. 879,960; Feb. 25; Sp. p. 4294; Dr. p. 897; Gaz. vol. 132; p. 1631.
- Hapgood, C. H., Dayton, Ohio, assignor to Toledo Computing Scale Company, Newark, N. J. Scale. No. 903,083; Nov. 3; Sp. p. 1106; Gaz. vol. 137; p. 180.
- Hapgood, R. T., and C. Rowlands, Glassport, Pa. Bottle-closure. No. 895,261; Aug. 4; Sp. p. 986; Dr. p. 206; Gaz. vol. 135; p. 1057.
- Happoldt, M. C. (See Bradley, H. E., assignor.)
- Haradon, M. E., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Weft-channeling attachment for sole-sewing machines. No. 900,925; Oct. 13; Sp. p. 1826; Dr. p. 371; Gaz. vol. 136; p. 1380.
- Harang, E. B., Chicago, Ill. Means for protecting poles, piles, and posts from decay. No. 887,796; May 19; Sp. p. 2974; Dr. p. 624; Gaz. vol. 134; p. 539.
- Harbaugh, A. H. (See Porter and Harbaugh.)
- Harbeck, J. R., assignor to Kemiweld Can Company, Detroit, Mich. Labeling-machine. No. 902,578; Nov. 3; Sp. p. 90; Gaz. vol. 137; p. 15.
- Harbeck, J. R., assignor to Kemiweld Can Company, Detroit, Mich. Punching-machine. No. 907,690; Dec. 22; Sp. p. 5090; Gaz. vol. 137; p. 1911.
- Harber, T. W., Springfield, Mo. Wrench. No. 904,954; Nov. 24; Sp. p. 4993; Gaz. vol. 137; p. 891.
- Harbers, F., Peoria, Ill. Floor-sandpapering machine. No. 891,251; June 23; Sp. p. 4179; Dr. pp. 915-16; Gaz. vol. 134; p. 1818.
- Harbinger, W., London, England. Metallic packing for piston-rods, valve-rods, and the like. No. 883,799; Apr. 7; Sp. p. 248; Dr. p. 45; Gaz. vol. 133; p. 1232.
- Harbour, R., Charlie, Tex. Warp-beam for looms. No. 900,530; Oct. 6; Sp. p. 988; Dr. p. 201; Gaz. vol. 136; p. 1224.
- Harbrecht, W. F. (See Dauch and Harbrecht.)
- Harbrecht, W. F., *et al.* (See Millsap and W. H., assignor.)
- Harcourt, H. S., Erie, Pa. Wire-guide for paper-making machines. No. 906,877; Dec. 15; Sp. p. 3407; Gaz. vol. 137; p. 1607.
- Harcourt, R., Toronto, Ontario, assignor of one-half to H. H. Vaughan, Montreal, Canada. Smoke-jack. No. 899,667; Sept. 29; Sp. p. 4796; Dr. p. 1027; Gaz. vol. 136; p. 911.
- Hard, A. W., Jr. (See Good, J. Jr., assignor.)
- Hard, M., and E. Coney, assignors to Ohio Blower Company, Cleveland, Ohio. Ventilator. No. 875,708; Jan. 7; Sp. p. 60; Dr. p. 12; Gaz. vol. 132; p. 13.
- Hardacre, F. C. (See Frey, J. H., assignor.)
- Hardacre, J. H. (See Rushton, Hopper, and Hardacre.)
- Harden, D. L., Newaygo, Mich. Cuspidor. No. 898,577; Sept. 15; Sp. p. 2697; Dr. p. 576; Gaz. vol. 136; p. 495.
- Harden, E. W. (See Rabbe, Harden, and Dempsey.)
- Harden, E. W., Frankfort, Ky. Farm-gate. No. 876,177; Jan. 7; Sp. p. 955; Dr. p. 206; Gaz. vol. 132; p. 162.
- Harden, F. A., Russell, Ky. Horseshoe. No. 895,367; Aug. 4; Sp. p. 1182; Dr. p. 248; Gaz. vol. 135; p. 1091.
- Hårdén, J., Schenectady, N. Y., assignor to General Electric Company. Arc-lamp. No. 885,338; Apr. 21; Sp. p. 3447; Dr. p. 719; Gaz. vol. 133; p. 1797.
- Hårdén, J., assignor to Gröndal Kjellin Company Limited, London, England. Electric furnace. No. 897,203; Aug. 25; Sp. p. 4878; Dr. p. 1037; Gaz. vol. 135; p. 1756.
- Harden, O. C., assignor of one-fourth to W. A. Wray, Fithian, Ill. Mail catching and delivering apparatus. No. 889,123; May 26; Sp. p. 5648; Dr. p. 1196; Gaz. vol. 134; p. 1003.
- Hårdén, P., assignor to Metallurgiska Aktiebolaget, Stockholm, Sweden. Ore-concentrator. No. 876,713; Jan. 14; Sp. p. 2113; Dr. pp. 462-3; Gaz. vol. 132; p. 374.
- Harden, S. M., and R. O'Connell, Chicago, Ill. Mail-bag catcher. No. 896,531; Aug. 18; Sp. p. 3497; Dr. p. 751; Gaz. vol. 135; p. 1514.
- Harden, W. I. F., Washington, D. C. Railway-tie. No. 891,164; June 16; Sp. p. 3982; Dr. p. 874; Gaz. vol. 134; p. 1757.
- Harder, O., Hökendorf, Germany. Hoeing-machine. No. 885,471; Apr. 21; Sp. p. 3696; Dr. p. 776; Gaz. vol. 133; p. 1839.
- Harder, W. T., New Bedford, Mass. Trunk-piston closure. No. 876,636; Jan. 14; Sp. p. 1974; Dr. p. 429; Gaz. vol. 132; p. 349.
- Harders, H. M. A., assignor of one-half to G. C. Becherer, Milwaukee, Wis. Labeling-machine. No. 887,797; May 19; Sp. p. 2975; Dr. p. 625; Gaz. vol. 134; p. 540.
- Hardesty, E., Cambridge, Ohio. Safety appliance for elevators. No. 904,424; Nov. 17; Sp. p. 3859; Gaz. vol. 137; p. 687.
- Hardesty, J. C., Denver, Colo. Simple-syrup percolator. No. 884,921; Apr. 14; Sp. p. 2568; Dr. p. 540; Gaz. vol. 133; p. 1628.
- Hardie, R. W., New York, N. Y. Shaping metal bodies. No. 877,077; Jan. 21; Sp. p. 2862; Dr. p. 618; Gaz. vol. 132; p. 533.
- Hardie, R. W., New York, N. Y. Shaping bilge bodies. No. 901,963; Oct. 27; Sp. p. 3960; Dr. p. 809; Gaz. vol. 136; p. 1785.
- Hardin, E. T., Hot Springs, Ark. Switch-lock. No. 898,737; Sept. 15; Sp. p. 3005; Dr. p. 644; Gaz. vol. 136; p. 546.
- Hardin, E. T., Hot Springs, Ark. Car-fender. No. 905,178; Dec. 1; Sp. p. 109; Gaz. vol. 137; p. 1001.
- Hardin, L. J., Sherman, Ill. Shoe-polisher. No. 882,197; Mar. 17; Sp. p. 3428; Dr. p. 729; Gaz. vol. 133; p. 620.
- Hardin, S. J., and B. F. Norcross, Beatrice, Nebr. Soil-pulverizer. No. 881,681; Mar. 10; Sp. p. 2360; Dr. p. 511; Gaz. vol. 133; p. 424.
- Harding, C. H., *et al.* (See Shuman, F. and C., assignors.)
- Harding, E., Boston, Mass. Apparatus for applying bottle-stopper rubbers. No. 893,624; July 21; Sp. p. 2535; Dr. p. 528; Gaz. vol. 135; p. 467.
- Harding, F. B., and J. J. Brubeck, Rockville, Ind. Mold. No. 907,494; Dec. 22; Sp. p. 4638; Gaz. vol. 137; p. 1847.
- Harding, H. M., New York, N. Y., and C. M. Clark, South Orange, N. J. Telfer. No. 878,797; Feb. 11; Sp. p. 1916; Dr. p. 394; Gaz. vol. 132; p. 1181.
- Harding, J. T., North Abington, Mass., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last-lock. No. 898,407; Sept. 8; Sp. p. 2343; Dr. p. 497; Gaz. vol. 136; p. 407.

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- Harding, L. L. (See Beinkamp and Harding.)
 Harding, M. A. (See Drown, Turcott, and Harding.)
 Harding, M. P., assignor to Cadillac Cabinet Company, Detroit, Mich. Desk-table. No. 880,023; Feb. 25; Sp. p. 4408; Dr. p. 926; Gaz. vol. 132; p. 1651.
 Harding, W. H., Philadelphia, Pa. Making hydraulic cements, &c. No. 908,092; Dec. 29; Sp. p. 5897; Gaz. vol. 137; p. 2072.
 Harding, W. H., Philadelphia, Pa. Making hydraulic cements, &c. No. 908,093; Dec. 29; Sp. p. 5904; Gaz. vol. 137; p. 2073.
 Harding, W. H., Philadelphia, Pa. Making hydraulic cements, &c. No. 908,094; Dec. 29; Sp. p. 5911; Gaz. vol. 137; p. 2073.
 Harding, W. V., Gaylord, Kans. Stock-feeder. No. 906,013; Dec. 8; Sp. p. 1772; Gaz. vol. 137; p. 1304.
 Hardinge, F., Chicago, Ill. Lathe. No. 894,634; July 28; Sp. p. 4701; Dr. p. 976; Gaz. vol. 135; p. 820.
 Hardinge, F., Chicago, Ill. Lathe. No. 894,635; July 28; Sp. p. 4704; Dr. p. 976; Gaz. vol. 135; p. 820.
 Hardinge, F., Chicago, Ill. Attachment for phonographic machines. No. 895,456; Aug. 11; Sp. p. 1369; Dr. p. 288; Gaz. vol. 135; p. 1144.
 Hardinge, F., assignor to Geneva Optical Company, Chicago, Ill. Lens-measuring instrument. No. 900,531; Oct. 6; Sp. p. 988; Dr. p. 201; Gaz. vol. 136; p. 1224.
 Hardison, W. M., *et al.* (See Bovee, R. Y., assignor.)
 Hardman, H. V., Belleville, N. J. Brush. No. 878,134; Feb. 4; Sp. p. 477; Dr. p. 102; Gaz. vol. 132; p. 927.
 Hardman, J. R., Columbus, Ohio. Hoop-bending machine. No. 894,268; July 28; Sp. p. 3967; Dr. p. 818; Gaz. vol. 135; p. 700.
 Hardman, P., Willimantic, Conn. Spool. No. 875,993; Jan. 7; Sp. p. 593; Dr. p. 128; Gaz. vol. 132; p. 104.
 Hardman, P., Willimantic, Conn. Tension-compensator for doubling machinery. No. 908,255; Dec. 29; Sp. p. 6265; Gaz. vol. 137; p. 2128.
 Hardman, P., Willimantic, Conn., assignor to American Thread Company, Jersey City, N. J. Twisting-machine. No. 886,698; May 5; Sp. p. 727; Dr. pp. 149-50; Gaz. vol. 134; p. 123.
 Hardman, Peck & Co. (See Hattermer and Kuhle, assignors.)
 Hardman, Peck & Company. (See Hattermer, J., assignor.)
 Hardman, Peck & Company. (See Kuhle, A., assignor.)
 Hardman, W. O., Freedom, Wyo. Disk-sharpener. No. 907,997; Dec. 29; Sp. p. 5722; Gaz. vol. 137; p. 2041.
 Hardsocg, M., Ottumwa, Iowa. Pneumatic and other drill. No. 880,880; Mar. 3; Sp. p. 815; Dr. p. 173; Gaz. vol. 133; p. 136.
 Hardsocg, M., Ottumwa, Iowa. Pneumatic and other drill. No. 880,881; Mar. 3; Sp. p. 817; Dr. p. 173; Gaz. vol. 133; p. 137.
 Hardsocg, M., Ottumwa, Iowa. Drill-head and bit or cutter. No. 884,150; Apr. 7; Sp. p. 1017; Dr. p. 213; Gaz. vol. 133; p. 1348.
 Hardsocg, M., Ottumwa, Iowa. Pneumatic hammer. No. 884,151; Apr. 7; Sp. p. 1019; Dr. p. 213; Gaz. vol. 133; p. 1349.
 Hardsocg, M., Ottumwa, Iowa. Pneumatic hammer. No. 884,152; Apr. 7; Sp. p. 1023; Dr. p. 213; Gaz. vol. 133; p. 1349.
 Hardsocg, M., Ottumwa, Iowa. Pneumatic and other drills. No. 884,331; Apr. 7; Sp. p. 1331; Dr. p. 283; Gaz. vol. 133; p. 1406.
 Hardsocg, M., Ottumwa, Iowa. Pneumatic drill. No. 888,164; May 19; Sp. p. 3681; Dr. p. 768; Gaz. vol. 134; p. 657.
 Hardsocg, M., Ottumwa, Iowa. Pneumatic drill. No. 890,978; June 16; Sp. p. 3654; Dr. p. 797; Gaz. vol. 134; p. 1698.
 Hardsocg, M., Ottumwa, Iowa. Pneumatic drill. No. 899,729; Sept. 29; Sp. p. 4918; Dr. pp. 1055-6; Gaz. vol. 136; p. 930.
 Hardsocg Wonder Drill Co. (See Smith, C. J., assignor.)
 Hardy, A. W., May, Tex. Milking apparatus. No. 881,922; Mar. 17; Sp. p. 2879; Dr. p. 614; Gaz. vol. 133; p. 532.
 Hardy, C. A., Chicago, Ill. Disk plow. No. 881,797; Mar. 10; Sp. p. 2583; Dr. p. 555; Gaz. vol. 133; p. 461.
 Hardy, E. A. (See Murphy, J. L., assignor.)
 Hardy, F., Chicago, Ill. Wringer. No. 896,106; Aug. 18; Sp. p. 2655; Dr. p. 572; Gaz. vol. 135; p. 1376.
 Hardy, J. F., assignor to Consolidated Dental Manufacturing Company, New York, N. Y. Vulcanizer. No. 896,989; Aug. 25; Sp. p. 4471; Dr. p. 955; Gaz. vol. 135; p. 1686.
 Hardy, R. C., New York, N. Y. Electric igniting device. No. 884,731; Apr. 14; Sp. p. 2182; Dr. p. 463; Gaz. vol. 133; p. 1568.
 Hardy, T. P. (See Christensen, R., assignor.)
 Hardy, W. L., Joliet, Ill. Lifting-jack. No. 891,988; June 30; Sp. p. 5719; Dr. p. 1230; Gaz. vol. 134; p. 2094.
 Hare, A., Auckland, New Zealand. Means for automatically operating gas or other valves or electric switches at predetermined times. No. 904,425; Nov. 17; Sp. p. 3861; Gaz. vol. 137; p. 687.
 Hare, H. H. (See Hare, W. W. and H. H.)
 Hare, J. R., Baltimore, Md. Kaleidoscope. No. 877,645; Jan. 28; Sp. p. 4022; Dr. p. 868; Gaz. vol. 132; p. 741.
 Hare, J. R., Baltimore, Md. Desiccating sauer-kraut. No. 895,262; Aug. 4; Sp. p. 987; Gaz. vol. 135; p. 1057.
 Hare, J. U., Anoka, Minn. Ditching, digging, and loading machine. No. 891,252; June 23; Sp. p. 4184; Dr. p. 916; Gaz. vol. 134; p. 1819.
 Hare, R. W., Pittsburg, Pa. Vertical folding fire-door. No. 889,005; May 26; Sp. p. 5407; Dr. pp. 1148-9; Gaz. vol. 134; p. 965.
 Hare, W. W. and H. H., Noblesville, assignors of one-third to A. Garver, Otisco, Ind. Mower. No. 876,637; Jan. 14; Sp. p. 1975; Dr. p. 429; Gaz. vol. 132; p. 350.
 Harendt, F. (See Waugh and Harendt.)
 Harford, T. J., Jersey City, N. J., assignor of one-half to J. J. Bamberger & Co. Adjustable frame. No. 893,047; Sept. 8; Sp. p. 1671; Dr. p. 355; Gaz. vol. 136; p. 293.
 Harger, H., Lost River, Idaho. Geographical globe. No. 895,263; Aug. 4; Sp. p. 989; Dr. pp. 206-7; Gaz. vol. 135; p. 1057.
 Hargiss, E. W., assignor of one-half to C. M. Bentley, Hermitage, Mo. Attachment for harness. No. 907,042; Dec. 15; Sp. p. 3701; Gaz. vol. 137; p. 1659.
 Hargreaves, J., Wilkes-Barre, Pa. Slide-valve. No. 887,798; May 19; Sp. p. 2980; Dr. p. 626; Gaz. vol. 134; p. 540.
 Hargrove, A. S., assignor of one-half to L. H. Estes, Memphis, Tenn. Adjustable crutch. No. 885,339; Apr. 21; Sp. p. 3452; Dr. p. 719; Gaz. vol. 133; p. 1798.
 Hargrove, W. M., Prospect, Tenn. Running-gear. No. 895,368; Aug. 4; Sp. p. 1183; Dr. p. 248; Gaz. vol. 135; p. 1092.
 Haring, G. E. (See Strong and Haring.)
 Haring, W. H., Suffern, assignor to E. H. Fallows, New York, N. Y. Brake-shoe. No. 907,791; Dec. 29; Sp. p. 5289; Gaz. vol. 137; p. 1975.
 Harker, J. E., Spirit Lake, Iowa. Egg-case carrier. No. 899,531; Sept. 29; Sp. p. 4513; Dr. p. 969; Gaz. vol. 136; p. 867.
 Harker, L. A., deceased, Cincinnati, Ohio; S. M. Harker, executrix. Fire-extinguisher. No. 887,392; May 12; Sp. p. 2179; Dr. p. 456; Gaz. vol. 134; p. 377.
 Harker, S. M., executrix. (See Harker, L. A.)
 Harkins, J. J., Pittsburg, Pa. Heating-furnace. No. 906,416; Dec. 8; Sp. p. 2525; Gaz. vol. 137; p. 1434.
 Harkins, M. J., M. J. Rickard, and P. J. Cowley, New York, N. Y. Radiator mounting and connection. No. 876,714; Jan. 14; Sp. p. 2114; Dr. p. 463; Gaz. vol. 132; p. 374.
 Harkins, T. B., Bristol, Pa. Chaplet-anchoring device for foundry-flasks. No. 891,989; June 30; Sp. p. 5720; Dr. p. 1230; Gaz. vol. 134; p. 2095.
 Harkness, C., Providence, R. I., assignor, by mesne assignments, to United Traction Improvement Company. Trolley. No. 881,470; Mar. 10; Sp. p. 1954; Dr. p. 425; Gaz. vol. 133; p. 355.
 Harkom, J. W., Davenport, Ontario, assignor to Canada Foundry Company, Limited, Toronto, Canada. Coal-space in locomotive-tender tanks. No. 891,335; June 23; Sp. p. 4366; Dr. p. 950; Gaz. vol. 134; p. 1846.
 Harl, F. F., *et al.* (See Carson, C. W., assignor.)
 Harlan, E., *et al.* (See Collingwood, A., assignor.)
 Harlan, J. N., *et al.* (See Collingwood, A., assignor.)
 Harland, A. F., Dyersburg, Tenn. Color-printing attachment for printing-presses. No. 885,340; Apr. 21; Sp. p. 3453; Dr. pp. 719-20; Gaz. vol. 133; p. 1798.
 Harland, W. A., assignor to Globe Fire Apparatus Company, Jersey City, N. J. Chemical fire-extinguisher. No. 894,636; July 28; Sp. p. 4706; Dr. p. 977; Gaz. vol. 135; p. 821.
 Harieman, J., Kansas City, Mo., assignor to Aetna Light and Heat Company. Generator. No. 903,856; Nov. 17; Sp. p. 2660; Gaz. vol. 137; p. 493.
 Harieman, J., Kansas City, Mo., assignor to Aetna Light and Heat Company. Oil-burner. No. 904,063; Nov. 17; Sp. p. 3103; Gaz. vol. 137; p. 564.
 Harley, H. M. (See Lundgren, J., assignor.)
 Harlin, G. C., Ottumwa, Iowa. Car-coupling. No. 894,496; July 28; Sp. p. 4429; Dr. p. 916; Gaz. vol. 135; p. 776.
 Harlow, A. J., *et al.* (See Welsh, T. W., assignor.)
 Harlow, J. S., Mineral, Va. Rock-drill. No. 888,492; May. 26; Sp. p. 4338; Dr. p. 918; Gaz. vol. 134; p. 795.
 Harlow, L., *et al.* (See Harlow, L., assignor.)
 Harlow, L., East Milton, assignor to E. P. Libby and L. Harlow, Boston, Mass. Safety-collar. No. 904,530; Nov. 24; Sp. p. 4110; Gaz. vol. 137; p. 749.
 Harlow, M. B., Tekoa, Wash. Photographer's form and print holder. No. 904,064; Nov. 17; Sp. p. 3104; Gaz. vol. 137; p. 564.
 Harlow, W. S., Swampscott, Mass. Calculating-rule. No. 883,800; Apr. 7; Sp. p. 249; Dr. p. 45; Gaz. vol. 133; p. 1232.
 Harman, A. H., Philadelphia, Pa. Motor-cycle frame. No. 906,417; Dec. 8; Sp. p. 2528; Gaz. vol. 137; p. 1435.
 Harman, E. B., and L. Taylor, assignors of one-third to G. D. Meiklejohn, Fullerton, Nebr. Corn-husking machine. No. 882,466; Mar. 17; Sp. p. 3915; Dr. pp. 837-8; Gaz. vol. 133; p. 708.
 Harman, F. R., Akron, Ohio. Music-leaf turner. No. 887,629; May 12; Sp. p. 2635; Dr. p. 555; Gaz. vol. 134; p. 454.
 Harman, W. A., White Pass, Alaska. Foot-guard. No. 892,152; June 30; Sp. p. 6026; Dr. p. 1295; Gaz. vol. 134; p. 2146.

Alphabetical list of patentees—Continued.

- Harmes, L. D. (See Higgins and Harmes.)
Harmeyer, C. L. (See Bowman and Harmeyer.)
Harmon, A. (See Hemphill, A. L., assignor.)
Harmon, E. E., Denver, Colo. Cushion shoe-sole. No. 886,801; May 5; Sp. p. 965; Dr. p. 202; Gaz. vol. 134; p. 157.
Harmon, F. S., Northville, Mich. Furnace. No. 905,872; Dec. 8; Sp. p. 1504; Gaz. vol. 137; p. 1260.
Harmon, L. B., Rosewood, Ohio. Fence-post attachment. No. 892,420; July 7; Sp. p. 54; Dr. p. 13; Gaz. vol. 135; p. 13.
Harmon, M., Bloomington, Ill. Potato-bugging machine. No. 890,051; June 9; Sp. p. 1725; Dr. p. 382; Gaz. vol. 134; p. 1362.
Harmon, P. T., *et al.* (See Adelheim, C., assignor.)
Harmon, W. (See Lacey, E. M., assignor.)
Harms, E. P., Detroit, Mich. Hydrocarbon-burner. No. 907,043; Dec. 15; Sp. p. 3702; Gaz. vol. 137; p. 1659.
Harms, G., and C. Spindler, Peoria, Ill. Hot-air pipe. No. 895,750; Aug. 11; Sp. p. 1950; Dr. p. 412; Gaz. vol. 135; p. 1239.
Harmuth, A. (See Eschellmann and Harmuth.)
Harmuth, A. (See Eschellmann and Harmuth.) (Reissue.)
Harned, W. C. (See Meglemer and Harned.)
Harner, H. F. (See Miller and Harner.)
Harness, H. C., New Rochelle, N. Y. Self-adjusting bottle-closure. No. 890,860; June 16; Sp. p. 3386; Dr. p. 742; Gaz. vol. 134; p. 1660.
Harnett, F. A. (See Harnett, W. A., assignor.)
Harnett, W. A., assignor to F. A. Harnett, Philadelphia, Pa. Combined cesspool and rain-spout connection. No. 890,276; June 9; Sp. p. 2203; Dr. p. 484; Gaz. vol. 134; p. 1436.
Harold, J. J., Jersey City, N. J., assignor, by mesne assignments, to E. A. Bern, Chicago, Ill. Metal piling. No. 888,085; May 19; Sp. p. 3537; Dr. p. 739; Gaz. vol. 134; p. 633.
Harold, J. J., Jersey City, N. J., assignor, by mesne assignments, to E. A. Bern, Chicago, Ill. Metal piling. No. 901,241; Oct. 13; Sp. p. 2404; Dr. p. 493; Gaz. vol. 136; p. 1450.
Harold, J. W., Russiaville, Ind. Adjustable stovepipe-fastener. No. 903,567; Nov. 10; Sp. p. 2070; Gaz. vol. 137; p. 370.
Harp, W. L., Galax, Va. Indexed book. No. 883,460; Mar. 31; Sp. p. 5956; Dr. pp. 1270-1; Gaz. vol. 133; p. 1098.
Harpel, J. J., Sinking Spring, Pa. Heating-stove. No. 878,384; Feb. 4; Sp. p. 990; Dr. p. 200; Gaz. vol. 132; p. 1010.
Harper, C. W., Columbus, Ohio. Paper-holder. No. 896,532; Aug. 18; Sp. p. 3498; Dr. p. 752; Gaz. vol. 135; p. 1514.
Harper, G. C., *et al.* (See Anderson, A., assignor.)
Harper, H. N., Monroe, La. Fertilizer-distributor. No. 897,829; Sept. 1; Sp. p. 1198; Dr. p. 255; Gaz. vol. 136; p. 190.
Harper, J. D., assignor of one-half to B. W. King, New York, N. Y. Musical toy. No. 896,296; Aug. 18; Sp. p. 3014; Dr. p. 649; Gaz. vol. 135; p. 1437.
Harper, J. M., Chicago, Ill., assignor to Harper Supply Company. Sad-iron. No. 900,850; Oct. 13; Sp. p. 1662; Dr. p. 336; Gaz. vol. 136; p. 1356.
Harper, R. E. (See Finney and Harper.)
Harper Supply Company. (See Harper, J. M., assignor.)
Harpster, I. M., Ironwood, Mich. Combined step and extension ladder. No. 881,400; Mar. 10; Sp. p. 1815; Dr. p. 303; Gaz. vol. 133; p. 333.
Harpstrite, A. W., Moweaqua, Ill. Power-driven plow. No. 884,490; Apr. 14; Sp. p. 1662; Dr. p. 358; Gaz. vol. 133; p. 1487.
Harpstrite, H. P., Maroa, Ill. Grain-distributing apparatus. No. 883,801; Apr. 7; Sp. p. 251; Dr. pp. 45-6; Gaz. vol. 133; p. 1232.
Harr, D. D., Minneapolis, Minn. Heating and ventilating system. No. 907,044; Dec. 15; Sp. p. 3704; Gaz. vol. 137; p. 1659.
Harrigan, E., Tacoma, Wash. Rotary engine. No. 879,464; Feb. 18; Sp. p. 3236; Dr. pp. 673-4; Gaz. vol. 132; p. 1435.
Harrigan, P. J., McKeesport, Pa. Dust-guard. No. 897,097; Aug. 25; Sp. p. 4687; Dr. p. 999; Gaz. vol. 135; p. 1722.
Harrild, G. R. (See Harrild, H. and G. R.)
Harrild, H. and G. R., Spokane, Wash. Kitchen-cabinet. No. 893,492; July 14; Sp. p. 2246; Dr. p. 470; Gaz. vol. 135; p. 394.
Harriman, R. P., Central Point, Oreg. Draft-equalizer. No. 906,014; Dec. 8; Sp. p. 1774; Gaz. vol. 137; p. 1305.
Harrington, C. G., Maplewood, Mo. Cable-hanger. No. 905,873; Dec. 8; Sp. p. 1505; Gaz. vol. 137; p. 1260.
Harrington, C. G., Maplewood, assignor to American Car & Foundry Company, St. Louis, Mo. Door-operating mechanism. No. 881,576; Mar. 10; Sp. p. 2155; Dr. p. 470; Gaz. vol. 133; p. 391.
Harrington, C. G., Maplewood, assignor to American Car & Foundry Company, St. Louis, Mo. Door-operating mechanism for cars. No. 881,857; Mar. 10; Sp. p. 2719; Dr. p. 583; Gaz. vol. 133; p. 481.
Harrington, C. G., Maplewood, assignor to American Car & Foundry Company, St. Louis, Mo. Car-door fastener. No. 889,601; June 2; Sp. p. 811; Dr. p. 185; Gaz. vol. 134; p. 1189.
Harrington, C. G., Maplewood, assignor to American Car & Foundry Company, St. Louis, Mo. Door-operating mechanism. No. 892,048; June 30; Sp. p. 5822; Dr. p. 1252; Gaz. vol. 134; p. 2113.
Harrington, C. N., Avon, Minn. Cuspidor-carrier. No. 875,709; Jan. 7; Sp. p. 61; Dr. p. 12; Gaz. vol. 132; p. 13.
Harrington, C. N., Avon, Minn. Trap. No. 876,638; Jan. 14; Sp. p. 1977; Dr. p. 430; Gaz. vol. 132; p. 350.
Harrington, D. (See Chamberlin and Harrington.)
Harrington, F. B. (See Williams and Harrington.)
Harrington, J. (See Poppenhusen and Harrington.)
Harrington, J., assignor to Green Engineering Company, Chicago, Ill. Traveling-grate furnace. No. 898,101; Sept. 8; Sp. p. 1773; Dr. pp. 376-7; Gaz. vol. 136; p. 310.
Harrington, J., assignor to Green Engineering Company, Chicago, Ill. Traveling-grate furnace. No. 898,468; Sept. 15; Sp. p. 2481; Dr. p. 531; Gaz. vol. 136; p. 459.
Harrington, J. B. (See Tassey and Harrington.)
Harrington, L. W., Short Hills, N. J., and B. Leonard, New York, N. Y. Apparatus for drawing liquids. No. 888,493; May 26; Sp. p. 4340; Dr. p. 919; Gaz. vol. 134; p. 795.
Harrington, N. T., assignor to Olds Gas Power Company, Lansing, Mich. Gas-purifying apparatus. No. 889,228; June 2; Sp. p. 76; Dr. p. 17; Gaz. vol. 134; p. 1070.
Harrington, R. J., Dalton, Mass. Spinning machinery. No. 907,792; Dec. 29; Sp. p. 5291; Gaz. vol. 137; p. 1975.
Harrington, T. A., and A. Barrie, Natick, R. I. Spinning-machine. No. 876,960; Jan. 21; Sp. p. 2620; Dr. p. 569; Gaz. vol. 132; p. 494.
Harrington, T. H., Wilmet, Ark. Hose-coupling. No. 888,165; May 19; Sp. p. 3689; Dr. p. 769; Gaz. vol. 134; p. 658.
Harrington, W. G. (See Welliver and Harrington.)
Harris, A., Greenock, Scotland, and F. A. Anderson, Westminster, England. Surface condenser. No. 901,809; Oct. 20; Sp. p. 3664; Dr. pp. 742-3; Gaz. vol. 136; p. 1705.
Harris, A. M. (See Gosnell and Harris.)
Harris, A. M., and M. A. Williams, Floyd, Va. Clothes-pin. No. 878,727; Feb. 11; Sp. p. 1773; Dr. p. 366; Gaz. vol. 132; p. 1158.
Harris Automatic Press Company. (See Harris, C. G., assignor.)
Harris Automatic Press Company. (See Harris and Smith, assignors.)
Harris Automatic Press Company. (See Smith, W. H., assignor.)
Harris, B. L., Los Angeles, Cal. Adjustable mirror. No. 893,998; July 21; Sp. p. 3384; Dr. p. 692; Gaz. vol. 135; p. 591.
Harris, B. W., Minneapolis, Minn. Metal culvert. No. 904,199; Nov. 17; Sp. p. 3402; Gaz. vol. 137; p. 612.
Harris, B. W., Minneapolis, Minn. Metal culvert. No. 904,200; Nov. 17; Sp. p. 3403; Gaz. vol. 137; p. 612.
Harris, C. B., Minneapolis, Minn. Garment-supporter. No. 900,728; Oct. 13; Sp. p. 1407; Dr. p. 286; Gaz. vol. 136; p. 1316.
Harris, C. G., assignor to Harris Automatic Press Company, Niles, Ohio. Means for securing sheets or blankets to printing-press cylinders. No. 880,523; Mar. 3; Sp. p. 58; Dr. p. 14; Gaz. vol. 133; p. 13.
Harris, C. G., assignor to Harris Automatic Press Company, Niles, Ohio. Printing-press. No. 901,964; Oct. 27; Sp. p. 3962; Dr. p. 809; Gaz. vol. 136; p. 1786.
Harris, C. G., and W. H. Smith, assignors to Harris Automatic Press Company, Niles, Ohio. Printing-press. No. 886,367; May 5; Sp. p. 48; Dr. p. 10; Gaz. vol. 134; p. 12.
Harris, C. G., and W. H. Smith, assignors to Harris Automatic Press Company, Niles, Ohio. Printing-press. No. 891,165; June 16; Sp. p. 3983; Dr. p. 875; Gaz. vol. 134; p. 1757.
Harris, C. J., *et al.* (See Sumner, W. A., assignor.) (Reissue.)
Harris, C. J., Bridgeport, Conn. Collapsible foot-rest for vehicles. No. 895,632; Aug. 11; Sp. p. 1707; Dr. p. 362; Gaz. vol. 135; p. 1201.
Harris, C. J., assignor to Locomobile Company of America, Bridgeport, Conn. Garment-rack for vehicles. No. 895,751; Aug. 11; Sp. p. 1951; Dr. p. 412; Gaz. vol. 135; p. 1240.
Harris, C. S., *et al.* (See Eubank, S. F., assignor.)
Harris, C. W., Hawkinsville, Ga. Cane cutter and crusher. No. 880,989; Mar. 3; Sp. p. 1005; Dr. p. 215; Gaz. vol. 133; p. 171.
Harris Caloric Company. (See Harris, J., assignor.)
Harris, D. B., Stockton, Cal. Gum-sight. No. 891,063; June 16; Sp. p. 3809; Gaz. vol. 134; p. 1726.
Harris, E. G. (See Harris, J. B., assignor.)
Harris, F., Acme, W. Va., assignor to F. L. Garrison, Cincinnati, Ohio. Squib, match, and file case for miners. No. 879,635; Feb. 18; Sp. p. 3596; Dr. p. 752; Gaz. vol. 132; p. 1491.

Alphabetical list of patentees—Continued.

- Harris, F. E. L., Alderley Edge, England. Apparatus for cleaning large panes of glass. No. 880,660; Mar. 3; Sp. p. 343; Dr. p. 75; Gaz. vol. 133; p. 60.
- Harris, F. P., *et al.* (See Miller and Adamson, assignors.)
- Harris, F. R., Kenmare, N. D. Incubator-alarm. No. 884,018; Apr. 7; Sp. p. 709; Dr. pp. 143-4; Gaz. vol. 133; p. 1306.
- Harris, F. R., assignor to American Tobacco Company, New York, N. Y. Box-covering machine. No. 904,426; Nov. 17; Sp. p. 3865; Gaz. vol. 137; p. 687.
- Harris, F. W., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electric-motor control. No. 892,421; July 7; Sp. p. 55; Dr. p. 13; Gaz. vol. 135; p. 13.
- Harris, G., Los Angeles, Cal. Bit. No. 878,798; Feb. 11; Sp. p. 1919; Dr. p. 395; Gaz. vol. 132; p. 1181.
- Harris, G., Vermilion, S. D. Match-safe. No. 887,937; May 19; Sp. p. 3261; Dr. p. 685; Gaz. vol. 134; p. 587.
- Harris, G. U. (See Gilmer, J. T., assignor.)
- Harris, G. W., Shelby, Ohio. Mail-bag catcher and deliverer. No. 883,877; Apr. 7; Sp. p. 421; Dr. p. 83; Gaz. vol. 133; p. 1257.
- Harris, H. A. (See Wilson and Harris.)
- Harris, H. C. (See Harris, H. H. and H. C.)
- Harris, H. H. and H. C., assignors of one-half to L. F. and T. S. Harris, Cowgill, Mo. Wire-stretcher. No. 889,879; June 2; Sp. p. 1342; Dr. p. 307; Gaz. vol. 134; p. 1278.
- Harris, H. H. and H. C., assignors of one-half to L. F. and T. S. Harris, Cowgill, Mo. Wire-fence clamp. No. 889,880; June 2; Sp. p. 1343; Dr. p. 307; Gaz. vol. 134; p. 1279.
- Harris, H. H. and H. C., Cowgill, Mo. Coin-controlled postal-card-dispensing machine. No. 893,493; July 14; Sp. p. 2247; Dr. p. 470; Gaz. vol. 135; p. 394.
- Harris, J., Ashtabula, Ohio. Wire-fence-making machine. No. 907,595; Dec. 22; Sp. p. 4843; Gaz. vol. 137; p. 1679.
- Harris, J., assignor to Harris Calorific Company, Cleveland, Ohio. Apparatus and process for burning acetylene or similar gases. No. 878,461; Feb. 4; Sp. p. 1135; Dr. p. 233; Gaz. vol. 132; p. 1035.
- Harris, J., assignor to Central Laboratory Supply Company, La Fayette, Ind. Recording instrument. No. 899,043; Sept. 22; Sp. p. 3560; Dr. pp. 762-3; Gaz. vol. 136; p. 672.
- Harris, J. B., assignor to E. G. Harris, Nashville, Tenn. Smoke-consuming furnace. No. 880,380; Feb. 25; Sp. p. 5122; Dr. pp. 1081-2; Gaz. vol. 132; p. 1768.
- Harris, J. C., *et al.* (See Taylor, J. T., assignor.)
- Harris, J. E. (See Burris, W. S., assignor.)
- Harris, J. P., Cleveland, Ohio. Mantle-support and protecting same. No. 881,577; Mar. 10; Sp. p. 2157; Dr. p. 471; Gaz. vol. 133; p. 392.
- Harris, J. R. (See Mortensen, W. C., assignor.)
- Harris, J. T., New York, N. Y. Electrolytic apparatus for purifying liquids. No. 894,435; July 28; Sp. p. 4315; Dr. p. 889; Gaz. vol. 135; p. 756.
- Harris, J. T., New York, N. Y. Electrolytic apparatus for purifying liquids. No. 900,926; Oct. 13; Sp. p. 1828; Dr. pp. 371-2; Gaz. vol. 136; p. 1380.
- Harris, L. F., *et al.* (See Harris, H. H. and H. C., assignors.)
- Harris, L. P., Terrell, Tex. Mortise and tenon. No. 879,382; Feb. 18; Sp. p. 3046; Dr. p. 634; Gaz. vol. 132; p. 1408.
- Harris, L. P., Clay Center, Kans. Heater for incubators. No. 893,844; July 21; Sp. p. 3068; Dr. p. 626; Gaz. vol. 135; p. 541.
- Harris, M., *et al.* (See Cuff, J. M., assignor.)
- Harris, M. (See Lambert, H. B., assignor.)
- Harris, M., Copper Valley, assignor of one-half to H. R. Kipps, Christiansburg, Va. Pawl-lift for sawmill set-works. No. 889,677; June 2; Sp. p. 963; Dr. p. 222; Gaz. vol. 134; p. 1215.
- Harris, M. L., Chicago, Ill. Engine. No. 889,460; June 2; Sp. p. 540; Dr. pp. 126-8; Gaz. vol. 134; p. 1144.
- Harris, O. E., assignor of one-half to O. M. Pruitt, Indianapolis, Ind. Air-lift pump. No. 886,053; Apr. 28; Sp. p. 4928; Dr. p. 1036; Gaz. vol. 133; p. 2057.
- Harris, O. O., Indianapolis, Ind. Harness-loop former. No. 892,722; July 7; Sp. p. 646; Dr. p. 137; Gaz. vol. 135; p. 112.
- Harris, R. A., Tucson, Ariz. Ter. Building-block and manner of assembling. No. 882,633; Mar. 24; Sp. p. 4263; Dr. p. 903; Gaz. vol. 133; p. 797.
- Harris, R. W., Montour Falls, assignor of one-half to S. S. Gates, Elmira, N. Y. Cartridge-shell. No. 895,558; Aug. 11; Sp. p. 1575; Dr. p. 333; Gaz. vol. 135; p. 1178.
- Harris, S. J. (See Smith, W. A., assignor.)
- Harris, S. P. (See Woods, R. L., assignor.)
- Harris Suspender Company. (See Freeman, W., assignor.)
- Harris, T., India, assignor of one-half to R. M. Alexander, Robinson, Pa. Paper-holder. No. 903,713; Nov. 10; Sp. p. 2356; Gaz. vol. 137; p. 414.
- Harris, T. F., assignor to himself and R. A. Eifert, New York, N. Y. Convertible bed-seat. No. 890,859; June 16; Sp. p. 3384; Dr. pp. 741-2; Gaz. vol. 134; p. 1659.
- Harris, T. F., and R. A. Eifert, New York, N. Y. Convertible bed-seat. No. 895,264; Aug. 4; Sp. p. 990; Dr. p. 207; Gaz. vol. 135; p. 1058.
- Harris, T. S., *et al.* (See Harris, H. H. and H. C., assignors.)
- Harris Tire & Rubber Co. (See Harris, W. D., assignor.)
- Harris, V. E., Way Cross, Ga. Heel-support for shoes. No. 882,109; Mar. 17; Sp. p. 3259; Dr. p. 693; Gaz. vol. 133; p. 593.
- Harris, W. A., Greenville, S. C. Hoeing-machine. No. 888,327; May 19; Sp. p. 3977; Dr. pp. 837-8; Gaz. vol. 134; p. 711.
- Harris, W. D., assignor to Harris Tire & Rubber Co., Philadelphia, Pa. Tire. No. 875,994; Jan. 7; Sp. p. 599; Dr. p. 128; Gaz. vol. 132; p. 104.
- Harris, W. H., Stark, Mont. Railway-switch signal. No. 893,730; July 21; Sp. p. 2831; Dr. p. 581; Gaz. vol. 135; p. 503.
- Harris, W. H., Stark, Mont. Electric signal for railways. No. 893,731; July 21; Sp. p. 2831; Dr. p. 581; Gaz. vol. 135; p. 503.
- Harris, W. H., Stark, Mont. Automatic railway-signal. No. 905,308; Dec. 1; Sp. p. 342; Gaz. vol. 137; p. 1043.
- Harris, W. R., Columbus, assignor to P. J. Shouvin, Springfield, Ohio. Explosive-engine. No. 886,500; May 5; Sp. p. 316; Dr. p. 65; Gaz. vol. 134; p. 58.
- Harris, W. W. (See Thibodeau and Harris.)
- Harris, W. W., Winthrop, assignor to J. S. Wilson, Chelsea, Mass. Flexible tube. No. 880,882; Mar. 3; Sp. p. 818; Dr. p. 173; Gaz. vol. 133; p. 137.
- Harrison, A., Chicago, Ill. Automatic relief-valve. No. 899,532; Sept. 29; Sp. p. 4514; Dr. p. 939; Gaz. vol. 136; p. 867.
- Harrison, A., assignor of one-fourth to R. H. Walch, Chicago, Ill. Radiator. No. 891,540; June 23; Sp. p. 4775; Dr. p. 1033; Gaz. vol. 134; p. 1913.
- Harrison, A., Chicago, Ill., assignor to Warren Webster & Company, Camden, N. J. Water and air relief-valve. No. 895,265; Aug. 4; Sp. p. 994; Dr. p. 208; Gaz. vol. 135; p. 1058.
- Harrison, A., Chicago, Ill., assignor to Warren Webster and Company, Camden, N. J. Automatic water-relief valve. No. 897,895; Sept. 8; Sp. p. 1343; Dr. p. 287; Gaz. vol. 136; p. 244.
- Harrison, A. W., Baltimore, Md. Preparation of electrolyte-molds. No. 901,965; Oct. 27; Sp. p. 3964; Gaz. vol. 136; p. 1786.
- Harrison, A. W., Baltimore, Md. Solution for treating electrolyte-molds. No. 901,966; Oct. 27; Sp. p. 3965; Gaz. vol. 136; p. 1786.
- Harrison, C. M., and E. C. Arnold, Monroe, Ga. Washing apparatus. No. 890,642; June 16; Sp. p. 2941; Dr. p. 644; Gaz. vol. 134; p. 1588.
- Harrison, C. W., and A. C. Noad, Fulham, London, England; said Noad assignor to said Harrison. Incandescent gas-burner. No. 896,533; Aug. 18; Sp. p. 3499; Dr. p. 751; Gaz. vol. 135; p. 1514.
- Harrison, D. W., *et al.* (See Hafford, J. C., assignor.)
- Harrison, E. C., assignor to Hine Box and Printing Co., Danbury, Conn. Bandbox-stay for hats. No. 875,995; Jan. 7; Sp. p. 600; Dr. p. 128; Gaz. vol. 132; p. 105.
- Harrison, E. J., South Bend, Ind. Trolley-wheel. No. 879,636; Feb. 18; Sp. p. 3597; Dr. p. 752; Gaz. vol. 132; p. 1491.
- Harrison, E. J., South Bend, Ind. Trolley-harp. No. 883,310; Mar. 31; Sp. p. 5628; Dr. p. 1200; Gaz. vol. 133; p. 1048.
- Harrison, F. B., *et al.* (See Good, E., assignor.)
- Harrison, F. W., Morrison, Tenn. Harrow. No. 880,301; Feb. 25; Sp. p. 4978; Dr. p. 1050; Gaz. vol. 132; p. 1744.
- Harrison, G. E., and G. Burns, Detroit, Mich. Shield for the use of linemen. No. 881,682; Mar. 10; Sp. p. 2361; Dr. p. 512; Gaz. vol. 133; p. 424.
- Harrison, G. M., Lake Bluff, Ill. Belt-fastener. No. 878,950; Feb. 11; Sp. p. 2192; Dr. p. 459; Gaz. vol. 132; p. 1228.
- Harrison, H. C., and W. M. O'Brien, assignors to Auto-Mosquito Mask Company, Salt Lake City, Utah. Head-screen. No. 876,452; Jan. 14; Sp. p. 1547; Dr. p. 332; Gaz. vol. 132; p. 284.
- Harrison, H. D. C., Kingsville, Pa. Pipe-coupling. No. 906,225; Dec. 8; Sp. p. 2190; Gaz. vol. 137; p. 1374.
- Harrison, H. O., Sedgewick, Kans. Screw-driver. No. 896,107; Aug. 18; Sp. p. 2656; Dr. p. 573; Gaz. vol. 135; p. 1376.
- Harrison, J., St. Louis, Mo. System and apparatus for telephone local toll or pay stations. No. 886,497; May 5; Sp. p. 304; Dr. p. 64; Gaz. vol. 134; p. 56.
- Harrison, J., St. Louis, Mo. System for measured telephone service. No. 886,498; May 5; Sp. p. 310; Dr. p. 64; Gaz. vol. 134; p. 57.
- Harrison, J., St. Louis, Mo. Telephone toll-box. No. 886,499; May 5; Sp. p. 314; Dr. p. 65; Gaz. vol. 134; p. 58.

Alphabetical list of patentees—Continued.

- Harrison, J. E., New York, N. Y. Muffler or protector. No. 891,166; June 16; Sp. p. 3987; Dr. p. 875; Gaz. vol. 134; p. 1758.
Harrison, J. E., assignor of one-half to B. D. Wilkins, New York, N. Y. Horseshoe attachment. No. 887,739; May 12; Sp. p. 2838; Dr. p. 600; Gaz. vol. 134; p. 492.
Harrison, J. F., assignor to Allis-Chalmers Company, Milwaukee, Wis. Belt-drive mechanism. No. 907,045; Dec. 15; Sp. p. 3706; Gaz. vol. 137; p. 1660.
Harrison, J. H. (See Buckingham, F. W., assignor.)
Harrison, J. J., and W. A. Owings, Pryor Creek, Okla. Cattle-guard. No. 879,260; Feb. 18; Sp. p. 2802; Dr. p. 587; Gaz. vol. 132; p. 1369.
Harrison, J. T., et al. (See Bog e, W. L., assignor.)
Harrison, O. L., Coleta, Ill. Automatic pencil. No. 902,292; Oct. 27; Sp. p. 4644; Dr. p. 942; Gaz. vol. 136; p. 1890.
Harrison Safety Boiler Works. (See Gamble, J. W., assignor.)
Harrison Safety Boiler Works. (See Jones, J. C., assignor.)
Harrison Safety Boiler Works. (See Jones, R. V., assignor.)
Harrison Safety Boiler Works. (See Sibson, H. E., assignor.)
Harrison, T. B., Philadelphia, Pa. Gas-burner. No. 894,819; Apr. 14; Sp. p. 2367; Dr. p. 498; Gaz. vol. 133; p. 1598.
Harrison, W., Day Dawn, Western Australia, Australia. Bottle. No. 879,766; Feb. 18; Sp. p. 3850; Dr. p. 806; Gaz. vol. 132; p. 1534.
Harrison, W., assignor to M. E. Blasler Manufacturing Company, Utica, N. Y. Horn-supporting clamp. No. 908,256; Dec. 29; Sp. p. 6267; Gaz. vol. 137; p. 2129.
Harrison, W. F. (See Worth and Harrison.)
Harriss, L. E., Washington, D. C. Game or puzzle apparatus. No. 898,469; Sept. 15; Sp. p. 2485; Dr. p. 531; Gaz. vol. 136; p. 460.
Harron, Rickard & McCone. (See Simmons, J. P., assignor.)
Harrop, B. T., Stables, La. Hook. No. 907,495; Dec. 22; Sp. p. 4640; Gaz. vol. 137; p. 1847.
Harrop, C. B., assignor to Richardson-Lovejoy Engineering Company, Columbus, Ohio. Wire screen. No. 878,728; Feb. 11; Sp. p. 1774; Dr. p. 367; Gaz. vol. 132; p. 1158.
Harrop, R., Dayton, Ohio. Lantern-holder. No. 893,494; July 14; Sp. p. 2250; Dr. p. 471; Gaz. vol. 135; p. 395.
Harry, O. K., St. Louis, Mo. Storage-receptacle. No. 900,166; Oct. 6; Sp. p. 200; Dr. p. 41; Gaz. vol. 136; p. 1105.
Harry, O. K., Dallas, Tex. Land-roller. No. 905,179; Dec. 1; Sp. p. 112; Gaz. vol. 137; p. 1001.
Harry, O. K., St. Louis, Mo., assignor to O. K. Harry Steel Co. Steel tank. No. 882,678; Mar. 24; Sp. p. 4350; Dr. p. 925; Gaz. vol. 133; p. 811.
Harryman, C. R. (See Vose and Harryman.)
Harsh, B. F., assignor of one-half to S. E. Harsh, Wabash, Ind. Hip-strap line-holder. No. 891,167; June 16; Sp. p. 3988; Dr. p. 876; Gaz. vol. 134; p. 1758.
Harsh, G. M., Baltimore, Md. Man's drawers. No. 908,257; Dec. 29; Sp. p. 6269; Gaz. vol. 137; p. 2129.
Harsh, S. E. (See Harsh, B. F., assignor.)
Harshbarger, A. H., Bement, Ill. Wagon-standard. No. 891,215; June 16; Sp. p. 4095; Dr. p. 899; Gaz. vol. 134; p. 1774.
Harshman, I., Lapel, Ind. Horse-releasing device. No. 905,698; Dec. 1; Sp. p. 1163; Gaz. vol. 137; p. 1172.
Hart, A. F., Hickory, N. C. Track-tamping implement. No. 885,750; Apr. 28; Sp. p. 4287; Dr. p. 898; Gaz. vol. 133; p. 1956.
Hart, A. L., Barnesville, Ohio. Nut-lock. No. 896,534; Aug. 18; Sp. p. 3502; Dr. p. 752; Gaz. vol. 133; p. 1515.
Hart, A. L., Burlington, Iowa. Electrical piano-playing instrument. No. 898,218; Sept. 8; Sp. p. 2002; Dr. pp. 425-6; Gaz. vol. 136; p. 346.
Hart, B. F., Jr., Hoboken, N. J. Cooling-tower. No. 902,875; Nov. 3; Sp. p. 701; Gaz. vol. 137; p. 116.
Hart, C. A., Danville, Ill. Motor-plow. No. 893,798; July 21; Sp. p. 2965; Dr. p. 607; Gaz. vol. 135; p. 525.
Hart, C. H., Hartford, Conn. Hand-operated plugger. No. 904,126; Nov. 17; Sp. p. 3228; Gaz. vol. 137; p. 586.
Hart, C. R. C. (See Fiegehen and Hart.)
Hart, D. A., Attleboro, Mass. Collar-button. No. 882,062; Mar. 17; Sp. p. 3173; Dr. p. 675; Gaz. vol. 133; p. 577.
Hart, E. L. (See Chapman, A. B., assignor.)
Hart, F. A., East Orange, assignor to New York Adding Typewriter Company, Orange, N. J. Ribbon-reversing mechanism. No. 896,825; Aug. 25; Sp. p. 4096; Dr. p. 881; Gaz. vol. 135; p. 1632.
Hart, F. R., Suisun City, Cal. Thermometer-case. No. 899,044; Sept. 22; Sp. p. 3562; Dr. p. 763; Gaz. vol. 136; p. 673.
Hart, G. (See Osborne, J. W., assignor.)
Hart, G. B., Rochester, N. Y. Detachable bail for flower-pots. No. 876,872; Jan. 14; Sp. p. 2403; Dr. p. 523; Gaz. vol. 132; p. 424.
Hart, H. C., Russiaville, Ind. Penholder. No. 878,729; Feb. 11; Sp. p. 1777; Dr. p. 367; Gaz. vol. 132; p. 1158.
Hart, H. C., Unionville, Conn. Machine for making washers. No. 887,630; May 12; Sp. p. 2637; Dr. p. 555; Gaz. vol. 134; p. 454.
Hart, H. S., Madison, Wis. Two-cycle internal-combustion engine. No. 890,643; June 16; Sp. p. 2943; Dr. pp. 644-5; Gaz. vol. 134; p. 1588.
Hart, H. S., assignor to Wolff Truck Frame Company, Chicago, Ill. Railway-car truck. No. 895,559; Aug. 11; Sp. p. 1576; Dr. p. 333; Gaz. vol. 135; p. 1178.
Hart & Hegeman Manufacturing Company. (See Guett, M., assignor.)
Hart, J. B., Clarksburg, W. Va. Feed-gearing. No. 893,909; July 21; Sp. p. 3385; Dr. p. 692; Gaz. vol. 135; p. 391.
Hart, J. H., Philadelphia, Pa. Ice-cream freezer. No. 898,048; Sept. 8; Sp. p. 1672; Dr. p. 355; Gaz. vol. 136; p. 293.
Hart, J. H., Memphis, Tenn. Electrical contact-maker. No. 903,568; Nov. 10; Sp. p. 2071; Gaz. vol. 137; p. 370.
Hart, J. H., Memphis, Tenn. Sign-displaying mechanism. No. 907,793; Dec. 29; Sp. p. 5294; Gaz. vol. 137; p. 1976.
Hart, J. H., Frairie Depot, Ind. Means for attaching handles to satchels, etc. No. 907,046; Dec. 15; Sp. p. 3707; Gaz. vol. 137; p. 1660.
Hart, J. L., Valentine, Ind. Sod-line plow. No. 885,341; Apr. 21; Sp. p. 3458; Dr. p. 720; Gaz. vol. 133; p. 1799.
Hart, L. B., and C. I. Dupont, Plaquemine, La. Vehicle running-gear. No. 894,000; July 21; Sp. p. 3387; Dr. p. 693; Gaz. vol. 135; p. 391.
Hart, O. W., Fall River, Mass. Selective signaling system. No. 901,441; Oct. 20; Sp. p. 2875; Dr. pp. 587-9; Gaz. vol. 136; p. 1585.
Hart, P. B., Kenton, Ohio. Optical clamp-pincers. No. 907,347; Dec. 22; Sp. p. 4329; Gaz. vol. 137; p. 1797.
Hart, Shaffner & Marx. (See Gottschall, W. G., assignor.)
Hart, W. H. (See Dobson, Wiley, and Hart.)
Hart, W. H., assignor of one-half to H. B. Leary, Washington, D. C. Camp-oven. No. 898,641; Sept. 15; Sp. p. 2831; Dr. p. 604; Gaz. vol. 136; p. 516.
Hartel, L., Cherryvale, Kans. Pocket. No. 878,385; Feb. 4; Sp. p. 991; Dr. p. 200; Gaz. vol. 132; p. 1010.
Hartenstein, H. L., Constantine, Mich. Apparatus for manufacturing carbid. No. 888,610; May 26; Sp. p. 4587; Dr. p. 973; Gaz. vol. 134; p. 838.
Hartenstein, H. L., Constantine, Mich., assignor, by mesne assignments, to Continental Investment Company, Duluth, Minn. Electric furnace. No. 883,110; Mar. 24; Sp. p. 5191; Dr. pp. 1108-9; Gaz. vol. 133; p. 952.
Hartenstein, H. L., Constantine, Mich., assignor, by mesne assignments, to Continental Investment Company, Duluth, Minn. Manufacture of carbid. No. 889,124; May 26; Sp. p. 5650; Gaz. vol. 134; p. 1004.
Hartenstein, H. L., Constantine, Mich., assignor to Electro Chemical & Development Co., Pierre, S. D. Manufacturing iron. No. 889,125; May 26; Sp. p. 5651; Dr. pp. 1196-7; Gaz. vol. 134; p. 1004.
Harter, C., Tucson, Ariz. Ter. Steam-boiler. No. 879,961; Feb. 25; Sp. p. 4294; Dr. p. 898; Gaz. vol. 132; p. 1632.
Harter, C. J., Iilon, N. Y. Tension device for winding-rolls. No. 879,261; Feb. 18; Sp. p. 2803; Dr. p. 588; Gaz. vol. 132; p. 1370.
Harter, N. S., Waukegan, Ill. Variable-speed and reversing mechanism. No. 899,974; Sept. 29; Sp. p. 5450; Dr. p. 1162; Gaz. vol. 136; p. 1011.
Harter, N. S., Waukegan, assignor to American Steel & Wire Company, Chicago, Ill. Machine for the manufacture of coiled springs. No. 882,385; Mar. 17; Sp. p. 3776; Dr. pp. 806-7; Gaz. vol. 133; p. 681.
Harter, N. S., Waukegan, assignor to American Steel & Wire Company, Chicago, Ill. Apparatus for looping springs. No. 906,418; Dec. 8; Sp. p. 2530; Gaz. vol. 137; p. 1435.
Hartford Automobile Parts Company. (See Bogart, F. H., assignor.)
Hartford Rubber Works Company. (See Hopkinson and Midgley, assignors.)
Hartford Rubber Works Company. (See Stokes, M. C., assignor.)
Hartman, C. E. (See Dalzell and Hartman.)
Hartman, F. E., assignor to L. C. Taylor, trustee, Trenton, N. J. Reversing-clutch mechanism. No. 899,396; Sept. 22; Sp. p. 4241; Dr. pp. 909-10; Gaz. vol. 136; p. 785.
Harting, C. C., Woodstock, assignor to Oliver Typewriter Company, Chicago, Ill. Key-lever fulcrum for type-writers. No. 904,201; Nov. 17; Sp. p. 3404; Gaz. vol. 137; p. 612.
Hartje, A. W., Evans City, Pa. Combination air and gas mixing valve. No. 892,255; June 30; Sp. p. 6217; Dr. p. 1339; Gaz. vol. 134; p. 2181.
Hartle, E. G., Columbus, Ohio. Axle. No. 880,990; Mar. 3; Sp. p. 1006; Dr. p. 216; Gaz. vol. 133; p. 171.
Hartley, C. J., assignor to C. J. Hartley Company, Decatur, Ill. Pump. No. 903,084; Nov. 3; Sp. p. 1110; Gaz. vol. 137; p. 180.
Hartley, G. F., Muncie, Ind., assignor to Pioneer Pole and Shaft Company, Piqua, Ohio. Shaft-bending machine. No. 905,423; Dec. 1; Sp. p. 623; Gaz. vol. 137; p. 1084.
Hartley, J. W., Stoke-upon-Trent, England. Sewage-distributor. No. 904,324; Nov. 17; Sp. p. 3683; Gaz. vol. 137; p. 655.
Hartley, W. H., Mount Pleasant, Mich. Blackboard-eraser. No. 879,767; Feb. 18; Sp. p. 3851; Dr. p. 807; Gaz. vol. 132; p. 1534.

Alphabetical list of patentees—Continued.

- Hartman, C., Springfield, S. D. Hair-pin attachment. No. 873,386; Feb. 4; Sp. p. 994; Dr. p. 200; Gaz. vol. 132; p. 104.
- Hartman, E., Houston, assignor of eighty-five one-hundredths to L. C. Hill, Brownsville, Tex. Machine for disintegrating fibrous plants. No. 880,661; Mar. 3; Sp. p. 343; Dr. pp. 75-6; Gaz. vol. 133; p. 60.
- Hartman, G., assignor of two-fifths to E. Wenning, Cincinnati, Ohio. Printing-press. No. 883,802; Apr. 7; Sp. p. 253; Dr. p. 46; Gaz. vol. 133; p. 123.
- Hartman, J. R., Davenport, Iowa. Hinge. No. 879,542; Feb. 18; Sp. p. 3389; Dr. p. 709; Gaz. vol. 132; p. 1461.
- Hartman, N. W., Toledo, Ohio. Sanitary vault. No. 890,423; June 9; Sp. p. 2475; Dr. p. 548; Gaz. vol. 134; p. 1483.
- Hartman, N. W., Toledo, Ohio. Safety-crank for internal-combustion engines. No. 892,049; June 30; Sp. p. 5825; Dr. p. 1253; Gaz. vol. 134; p. 2113.
- Hartman Trunk Company. (See Hawley and Wheary, assignors.)
- Hartmann, C., New York, N. Y. Resonator for phonographic reproducers. No. 907,794; Dec. 29; Sp. p. 5298; Gaz. vol. 137; p. 1976.
- Hartmann, F. W. C. (See Witt and Hartmann.)
- Hartmann, H., Vienna, Austria-Hungary. Scarf-pin holder. No. 904,065; Nov. 17; Sp. p. 3105; Gaz. vol. 137; p. 564.
- Hartmann, L. H., assignor to American Separator Co., Bainbridge, N. Y. Journal-bearing. No. 907,047; Dec. 15; Sp. p. 3708; Gaz. vol. 137; p. 1660.
- Hartmann, O., Stuttgart, Germany. Driving-pulley. No. 895,855; Aug. 11; Sp. p. 2168; Dr. p. 460; Gaz. vol. 135; p. 1273.
- Hartmann Trunk Company. (See Hawley and Wheary, assignors.)
- Hartmann Trunk Company. (See Wheary, G. H., assignor.)
- Hartmann, W. C., assignor to Omega Separator Company, Lansing, Mich. Flexible bearing. No. 887,938; May 19; Sp. p. 3262; Dr. p. 685; Gaz. vol. 134; p. 587.
- Hartness, J., Springfield, Vt. Engine-lathe. No. 876,305; Jan. 7; Sp. p. 1224; Dr. p. 267; Gaz. vol. 132; p. 205.
- Hartness, J., Springfield, Vt. Taper-turning tool. No. 877,925; Feb. 4; Sp. p. 62; Dr. pp. 12-13; Gaz. vol. 132; p. 859.
- Hartness, J., Springfield, Vt. Metal-turning mechanism. No. 878,203; Feb. 4; Sp. p. 644; Dr. p. 132; Gaz. vol. 132; p. 950.
- Hartness, J., Springfield, Vt. Safety-razor. No. 896,383; Aug. 18; Sp. p. 3194; Dr. p. 685; Gaz. vol. 135; p. 1464.
- Hartnett, D. E., New York, N. Y. Hand-support for musical instruments. No. 896,826; Aug. 25; Sp. p. 4101; Dr. p. 881; Gaz. vol. 135; p. 1632.
- Harton, J. A. G., New York, N. Y. Guide-plate for correction-type. No. 880,883; Mar. 3; Sp. p. 819; Dr. p. 173; Gaz. vol. 133; p. 137.
- Harton, P. D., Philadelphia, Pa. Cake-coating machine. No. 895,856; Aug. 11; Sp. p. 2169; Dr. pp. 460-1; Gaz. vol. 135; p. 1274.
- Hartung, C. A., Berlin, Germany. Apparatus for gas analysis. No. 892,955; July 7; Sp. p. 1134; Dr. p. 238; Gaz. vol. 135; p. 190.
- Hartwell, C. L., Chicago Heights, Ill. Woodworking-machine. No. 895,369; Aug. 4; Sp. p. 1184; Dr. p. 249; Gaz. vol. 135; p. 1092.
- Hartwick, F. L. (See Diebolt, L. T., assignor.)
- Hartwig, W. J. (See Millis, C. J., assignor.)
- Hartzell, E. O. (See Kutcz, G., assignor.)
- Harvey, A. W., Rockwall, Tex. Railway-signal. No. 889,127; May 26; Sp. p. 5656; Dr. pp. 1197-8; Gaz. vol. 134; p. 1004.
- Harvey, C. T., Toronto, Ontario, Canada. Elevated-railway construction. No. 893,495; July 14; Sp. p. 2251; Dr. pp. 471-3; Gaz. vol. 135; p. 395.
- Harvey Friction Spring Company. (See Harvey, G. L., assignor.)
- Harvey, G. B., *et al.* (See Baker, J. D., assignor.)
- Harvey, G. L., assignor to Harvey Friction Spring Company, Chicago, Ill. Shock-absorber. No. 886,501; May 5; Sp. p. 319; Dr. p. 65; Gaz. vol. 134; p. 59.
- Harvey, G. W., Adin, Cal. Envelop. No. 877,330; Jan. 21; Sp. p. 3386; Dr. pp. 733-4; Gaz. vol. 132; p. 618.
- Harvey, H. D. (See Steele, D. R., assignor.)
- Harvey, H. H., and R. J. Cook, Chicago, Ill. Construction of railway-cars. No. 897,896; Sept. 8; Sp. p. 1345; Dr. p. 288; Gaz. vol. 136; p. 244.
- Harvey, H. R., Derby, England. Folding leaf, flower, or spray stand. No. 894,203; July 28; Sp. p. 3819; Dr. p. 791; Gaz. vol. 135; p. 679.
- Harvey Hubbell, Incorporated. (See Hubbell, H., assignor.)
- Harvey, I., administratrix. (See Harvey, J. H.)
- Harvey, J. H., deceased; I. Harvey, Taunton, Mass., administratrix. Machine for drawing tubular articles. No. 906,878; Dec. 15; Sp. p. 3408; Gaz. vol. 137; p. 1603.
- Harvey, J. W., Denver, assignor of one-half to H. G. Hodding, Salida, Colo. Nut-lock. No. 896,695; Aug. 18; Sp. p. 3804; Dr. p. 822; Gaz. vol. 135; p. 1504.
- Harvey, L. S., Knox, Ind. Stove attachment. No. 907,795; Dec. 29; Sp. p. 5299; Gaz. vol. 137; p. 1976.
- Harvey, M., assignor to Morse, Williams and Company, Philadelphia, Pa. System of gearing. No. 903,817; Nov. 10; Sp. p. 2568; Gaz. vol. 137; p. 449.
- Harvey, W. H., Vancouver, British Columbia, Canada. Wood-block paving. No. 900,729; Oct. 13; Sp. p. 1408; Dr. p. 287; Gaz. vol. 136; p. 1316.
- Harvey, W. L., and W. Tweedale, Chicago, Ill. Apparatus for bleaching grain. No. 890,644; June 16; Sp. p. 2946; Dr. p. 645; Gaz. vol. 134; p. 1588.
- Harvison, J. A. (See Todd and Harvison.)
- Harward, J. H. *et al.* (See Woodbury, S. W., assignor.) (Reissue.)
- Harwood, M. J., Cleveland, Ohio. Bowling score-board. No. 892,153; June 30; Sp. p. 6027; Dr. p. 1295; Gaz. vol. 134; p. 2147.
- Harwood, S., *et al.* (See Woodbury, S. W., assignor.) (Reissue.)
- Harwood, W. M., Ontario, Cal. Electric sad-iron. No. 876,639; Jan. 14; Sp. p. 1978; Dr. p. 430; Gaz. vol. 132; p. 350.
- Hasbrouck, G. G., Nyack, N. Y. Piano-frame. No. 885,247; Apr. 21; Sp. p. 3258; Dr. p. 680; Gaz. vol. 133; p. 1767.
- Hasbrouck, G. G., Nyack, N. Y. Piano-case construction. No. 898,470; Sept. 15; Sp. p. 2486; Dr. p. 532; Gaz. vol. 136; p. 460.
- Hasbrouck, G. G., Nyack, N. Y. Piano. No. 905,527; Dec. 1; Sp. p. 848; Gaz. vol. 137; p. 1118.
- Hasbrouck, S., Providence, R. I. Insufflator. No. 881,238; Mar. 10; Sp. p. 1492; Dr. p. 321; Gaz. vol. 133; p. 281.
- Hasburg, J. W., Chicago, Ill. Gas-engine relief-valve. No. 891,541; June 23; Sp. p. 4776; Dr. p. 1033; Gaz. vol. 134; p. 1914.
- Haschenburger, H. (See Colmus, F. J., assignor.)
- Haseltine, N. S., Swissvale, Pa. Automatic safety device for cranes. No. 889,126; May 26; Sp. p. 5653; Dr. p. 1197; Gaz. vol. 134; p. 1004.
- Haselwander, F. A., Rastatt, Germany. Hydrocarbon-engine. No. 887,393; May 12; Sp. p. 2181; Dr. pp. 456-7; Gaz. vol. 134; p. 377.
- Hasen, G. M., St. Louis, Mo. Bag-cleaning machine. No. 899,397; Sept. 22; Sp. p. 4242; Dr. p. 910; Gaz. vol. 136; p. 787.
- Hasenbach, W., Mannheim, Germany. Making sodium thiosulfate. No. 903,135; Nov. 3; Sp. p. 1199; Gaz. vol. 137; p. 196.
- Hasenbach, W., Mannheim, Germany. Producing sodium hydrosulfid. No. 903,136; Nov. 3; Sp. p. 1200; Gaz. vol. 137; p. 196.
- Hasey, S. P., North Belgrade, Me. Liquid-dispensing can. No. 901,442; Oct. 20; Sp. p. 2894; Dr. p. 589; Gaz. vol. 136; p. 1585.
- Haskell, E., New York, N. Y. Cleaning and polishing apparatus. No. 897,286; Sept. 1; Sp. p. 40; Dr. p. 10; Gaz. vol. 136; p. 10.
- Haskell, H. L., Ludington, Mich. Folding table. No. 896,907; Aug. 25; Sp. p. 4268; Dr. p. 912; Gaz. vol. 135; p. 1660.
- Haskell, L. W., New York, N. Y., and J. Davidson, Atlanta, Ga. Machine for making linter-bats. No. 889,461; June 2; Sp. p. 548; Dr. p. 129; Gaz. vol. 134; p. 1145.
- Haskell, L. W., New York, N. Y., W. C. Petty, Savannah, Ga., and E. L. Tessier, Charleston, S. C. Spring-pressure regulator for pumps. No. 888,803; May 26; Sp. p. 4992; Dr. p. 1064; Gaz. vol. 134; p. 899.
- Haskell, S. D. (See Sharpneck, W. S., assignor.)
- Haskins, C. D., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. No. 904,776; Nov. 24; Sp. p. 4624; Gaz. vol. 137; p. 832.
- Haskins, E. O., Rutherford, N. J., assignor to Abendroth Brothers, Port Chester, N. Y. Hood for hot-air furnaces. No. 876,873; Jan. 14; Sp. p. 2404; Dr. p. 524; Gaz. vol. 132; p. 424.
- Haskins, G. W., New York, assignor to A. A. Low, Horseshoe, N. Y. Cutting implement. No. 881,578; Mar. 10; Sp. p. 2159; Dr. p. 471; Gaz. vol. 133; p. 392.
- Haskins, N. B., Adel, Iowa. Bottle-retaining device for ice-boxes. No. 894,736; July 28; Sp. p. 4888; Dr. p. 1017; Gaz. vol. 135; p. 853.
- Haskins, U., Chattanooga, Tenn. Coupling. No. 876,052; Jan. 7; Sp. p. 703; Dr. p. 151; Gaz. vol. 132; p. 122.
- Haslett, J. W., Washington D. C. Toy. No. 880,793; Mar. 3; Sp. p. 614; Dr. p. 130; Gaz. vol. 133; p. 106.
- Haslieu, W. S., Kiester, Minn. Corn-planter. No. 884,153; Apr. 7; Sp. p. 1028; Dr. pp. 213-14; Gaz. vol. 133; p. 1350.
- Haslinger, J. B. (See Kiser and Haslinger.)
- Hasneder, O. H., Seaford, N. Y. Acetylene-gas generator. No. 891,616; June 23; Sp. p. 4926; Dr. p. 1062; Gaz. vol. 134; p. 1937.
- Hasperg, A. von, assignor to Ewald & Company, Hamburg, Germany. Bale or bag sewing machine. No. 904,531; Nov. 24; Sp. p. 4112; Gaz. vol. 137; p. 749.
- Hassam Paving Company. (See Hassam, W. E., assignor.)
- Hassam, W. E., assignor to Hassam Paving Company, Worcester, Mass. Pavement and making the same. No. 890,902; June 16; Sp. p. 3471; Dr. p. 760; Gaz. vol. 134; p. 1672.
- Hassan, E. J., East Haven, Conn. Diving-bell. No. 908,095; Dec. 29; Sp. p. 5917; Gaz. vol. 137; p. 2074.

Alphabetical list of patentees—Continued.

- Hasse, F. M. (See Wolfram, F. D., assignor.)
- Hassel, G. A., McKeesport, assignor to Pittsburgh Steel Foundry, Pittsburgh, Pa. Furnace charging-box. No. 876,640; Jan. 14; Sp. p. 1980; Dr. p. 430; Gaz. vol. 132; p. 351.
- Hassel, G. A., McKeesport, assignor to Pittsburgh Steel Foundry, Pittsburgh, Pa. Ladle for molten metal. No. 891,542; June 23; Sp. p. 4778; Dr. p. 1034; Gaz. vol. 134; p. 1914.
- Hassel, J. M. von, Lima, Peru. Testing apparatus. No. 880,991; Mar. 3; Sp. p. 1007; Dr. p. 216; Gaz. vol. 133; p. 171.
- Hasselbach, R. A. (See Ellis and Hasselbach.)
- Hasselbring, J., New York, N. Y. Fastener for photograph-frames with plush backs. No. 890,357; June 9; Sp. p. 2360; Dr. p. 521; Gaz. vol. 134; p. 1462.
- Hasselstrom, I., Chicago, Ill. Numbering-machine. No. 901,443; Oct. 20; Sp. p. 2895; Dr. p. 590; Gaz. vol. 136; p. 1585.
- Hassler, F. J., Halltown, Ill. Running-gear for loading apparatus. No. 899,975; Sept. 29; Sp. p. 5452; Dr. pp. 1162-3; Gaz. vol. 136; p. 1011.
- Hassler, R. P., Luverne, Minn. Fertilizer-distributor. No. 877,712; Jan. 28; Sp. p. 4141; Dr. pp. 896-7; Gaz. vol. 132; p. 762.
- Haste, J. H., assignor to Eastman Kodak Company, Rochester, N. Y. Film-spool for cameras. No. 907,796; Dec. 29; Sp. p. 5300; Gaz. vol. 137; p. 1977.
- Haster, P., El Paso, Wis. Device for supporting and adjusting the concave of a grain-thresher. No. 908,258; Dec. 29; Sp. p. 6269; Gaz. vol. 137; p. 2129.
- Hastings, B., assignor to Electric Controller and Supply Company, Cleveland, Ohio. Drilling-machine. No. 880,140; Feb. 25; Sp. p. 4644; Dr. p. 980; Gaz. vol. 132; p. 1689.
- Hastings, D., and A. W. Brink, Oklahoma, Okla. Cooling gas and separating gasoline therefrom. No. 883,640; Mar. 31; Sp. p. 6302; Dr. pp. 1344-5; Gaz. vol. 133; p. 1152.
- Hastings, H., Rochester, N. Y. Turn-table. No. 878,135; Feb. 4; Sp. p. 477; Dr. p. 102; Gaz. vol. 132; p. 927.
- Hastings, P. P. (See Dorman, E. S., assignor.)
- Hastings, W., *et al.* (See Williams, W. S., assignor.)
- Hatch, C. T., Waterville, N. Y. Feeding apparatus. No. 900,851; Oct. 13; Sp. p. 1663; Dr. p. 337; Gaz. vol. 136; p. 1356.
- Hatch, E. P. (See Egan, W. J., assignor.)
- Hatcher, W. A. (See Packard and Hatcher.)
- Hatchett, A., Louisville, Ky. Phonograph attachment for telephones. No. 898,642; Sept. 15; Sp. p. 2833; Dr. pp. 604-5; Gaz. vol. 136; p. 516.
- Hatfield, C. B., assignor to Hatfield Motor Vehicle Company, Cortland, N. Y. Shock-absorber for self-propelled vehicles. No. 889,678; June 2; Sp. p. 965; Dr. p. 222; Gaz. vol. 134; p. 1214.
- Hatfield, C. B., assignor to Hatfield Motor Vehicle Company, Cortland, N. Y. Self-propelled vehicle. No. 889,679; June 2; Sp. p. 967; Dr. p. 223; Gaz. vol. 134; p. 1214.
- Hatfield, C. B., assignor to Hatfield Motor Vehicle Company, Cortland, N. Y. Steering mechanism for self-propelled vehicles. No. 901,898; Oct. 20; Sp. p. 3817; Dr. p. 777; Gaz. vol. 136; p. 1733.
- Hatfield, C. P., Lebanon, Ohio. Harness shaft-tug. No. 902,964; Nov. 3; Sp. p. 864; Gaz. vol. 137; p. 144.
- Hatfield, H. S., Hove, England. Voltmeter. No. 876,641; Jan. 14; Sp. p. 1981; Dr. p. 431; Gaz. vol. 132; p. 351.
- Hatfield, H. S., and F. M. Lewis, Brighton, England. Arc-lamp electrode. No. 904,532; Nov. 24; Sp. p. 4113; Gaz. vol. 137; p. 749.
- Hatfield, J. D., *et al.* (See Hatfield and Bass, assignors.)
- Hatfield, J. M., and O. Bass, Yarrow, assignors to said Hatfield, C. Elsea, Connellsville, and J. D. Hatfield, Yarrow, Mo. Washing-machine. No. 877,503; Jan. 28; Sp. p. 3732; Dr. p. 807; Gaz. vol. 132; p. 695.
- Hatfield, L. T., Sacramento, Cal. Electrical socket-seal. No. 881,683; Mar. 10; Sp. p. 2362; Dr. p. 512; Gaz. vol. 133; p. 424.
- Hatfield Motor Vehicle Company. (See Hatfield, C. B., assignor.)
- Hatfield, R. L. (See Sullivan, W. L., assignor.)
- Hatfield, T. J., and F. N. Wullenwaber, assignors to said Wullenwaber and D. J. Hartrum, Seward, Nebr. Seed-cleaner and grain-separator. No. 907,348; Dec. 22; Sp. p. 4330; Gaz. vol. 137; p. 1798.
- Hathaway, C. L., assignor to C. L. Hathaway Rock Crusher Company, Denver, Colo. Gyratory crusher. No. 895,633; Aug. 11; Sp. p. 1710; Gaz. vol. 135; p. 1201.
- Hathaway, C. L., assignor to C. L. Hathaway Rock Crusher Company, Denver, Colo. Gyratory crusher. No. 895,634; Aug. 11; Sp. p. 1711; Dr. pp. 363-4; Gaz. vol. 135; p. 1201.
- Hathaway, D. B., Moosup, Conn. assignor to Whitin Machine Works, Whitinsville, Mass. Stop-motion. No. 876,349; Jan. 14; Sp. p. 1314; Dr. p. 284; Gaz. vol. 132; p. 249.
- Hathaway, E. C., *et al.* (See Brown and Cardoza, assignors.)
- Hathaway, E. H., Providence, R. I. Leather-belt-scarfing machine. No. 897,204; Aug. 25; Sp. p. 4879; Dr. pp. 1038-40; Gaz. vol. 135; p. 1756.
- Hathaway, M., Muncie, Ind. Swing. No. 886,974; May 5; Sp. p. 1263; Dr. p. 267; Gaz. vol. 134; p. 210.
- Hathaway, S. (See Williams, Mitchell, and Hathaway.)
- Hathway, F. J., Chicago, Ill. Device for recovering submerged logs. No. 882,310; Mar. 17; Sp. p. 3648; Dr. p. 774; Gaz. vol. 133; p. 657.
- Hatmaker, J. R. (See Merrett, J. A., assignor.)
- Hatmaker, J. R., Paris, France. Modified dry milk. No. 891,336; June 23; Sp. p. 4367; Gaz. vol. 134; p. 1847.
- Hatt, J. A. H., Brooklyn, N. Y. Camera. No. 896,013; Aug. 11; Sp. p. 2477; Dr. p. 533; Gaz. vol. 135; p. 1324.
- Hatt, J. A. H., Brooklyn, N. Y. Camera-stand. No. 904,613; Nov. 24; Sp. p. 4260; Gaz. vol. 137; p. 776.
- Hatteberg, A. K. (See Ferro and Hatteberg.)
- Hattemer, J., West New York, N. J., assignor to Hardman, Peck & Company, New York, N. Y. Fall-board for pianos. No. 902,293; Oct. 27; Sp. p. 4646; Dr. p. 943; Gaz. vol. 136; p. 1890.
- Hattemer, J., assignor to Hardman, Peck & Company, New York, N. Y. Expression-box. No. 902,728; Nov. 3; Sp. p. 392; Gaz. vol. 137; p. 67.
- Hattemer, J., and A. Kuhle, West New York, N. J., assignors to Hardman, Peck & Co. Tracker-bar. No. 881,317; Mar. 10; Sp. p. 1648; Dr. p. 353; Gaz. vol. 133; p. 307.
- Hattersley, G. A., Norwood, assignor to Victor Safe & Lock Company, Cincinnati, Ohio. Safe-closing means. No. 905,180; Dec. 1; Sp. p. 113; Gaz. vol. 137; p. 1002.
- Hattersley and Sons, G. (See Monk, W. J., assignor.)
- Hatton, F., Portersville, Cal. Tire-remover. No. 882,386; Mar. 17; Sp. p. 3780; Dr. p. 807; Gaz. vol. 133; p. 682.
- Hatton, T. F., Indianapolis, Ind. Heating-stove. No. 892,373; June 30; Sp. p. 6438; Dr. p. 1389; Gaz. vol. 134; p. 2219.
- Hattu, A., assignor to Societe Anonyme Periphote et Photorama, Paris, France. Apparatus for viewing panoramic pictures. No. 888,236; May 19; Sp. p. 3811; Dr. p. 800; Gaz. vol. 134; p. 682.
- Hatz, G. J., Bloomington, Ill. Exhaust apparatus for locomotives. No. 904,614; Nov. 24; Sp. p. 4265; Gaz. vol. 137; p. 776.
- Hauck, A., Jewett, Ohio. Harness. No. 902,876; Nov. 3; Sp. p. 703; Gaz. vol. 137; p. 117.
- Haudensfield, S., Carnegie, Pa. Rotary engine. No. 900,013; Sept. 29; Sp. p. 5538; Dr. pp. 1180-1; Gaz. vol. 136; p. 1024.
- Hauff, G., Kimberly, Cape Colony. Centrifugal pump. No. 904,533; Nov. 24; Sp. p. 4113; Gaz. vol. 137; p. 750.
- Haug, A., Caldwell, and B. G. Royal, Camden, N. J., assignors to Universal Talking Machine Manufacturing Company. Talking-machine. No. 903,375; Nov. 10; Sp. p. 1671; Gaz. vol. 137; p. 306.
- Hauge, O., assignor of one-half to P. C. Flagstad, St. Paul, Minn. Machine for making pastry cones for ice-cream. No. 907,797; Dec. 29; Sp. p. 5300; Gaz. vol. 137; p. 1977.
- Hauge, O., assignor of one-half to P. C. Flagstad, St. Paul, Minn. Machine for making pastry cones for ice-cream. No. 907,798; Dec. 29; Sp. p. 5302; Gaz. vol. 137; p. 1977.
- Haugen, J. H. (See Strand, Haugen, Coesfeld, and Fischrupp.)
- Haugh, J. A., Colusa, Cal. Box-fastener. No. 882,881; Mar. 24; Sp. p. 4765; Dr. p. 1013; Gaz. vol. 133; p. 877.
- Haughawout, E. Y., Cedar Rapids, Nebr. Dental tool. No. 891,543; June 23; Sp. p. 4779; Dr. p. 1034; Gaz. vol. 134; p. 1914.
- Haughawout, J. H., Fairmont, Nebr. Incubator. No. 885,045; Apr. 21; Sp. p. 2821; Dr. p. 597; Gaz. vol. 133; p. 1700.
- Haughawout, J. W., Fort Dodge, Iowa, assignor to Cleveland Cartridge and Target Co., Cleveland, Ohio. Target-trap. No. 889,926; June 9; Sp. p. 1450; Dr. pp. 327-8; Gaz. vol. 134; p. 1319.
- Haughawout, J. W., Fort Dodge, Iowa, assignor to W. P. Markle, St. Louis, Mo. Machine for repairing cartridge-shells. No. 900,532; Oct. 6; Sp. p. 991; Dr. p. 202; Gaz. vol. 136; p. 1224.
- Haughey, M., St. Louis, Mo. Water-power engine. No. 890,767; June 16; Sp. p. 3211; Dr. p. 701; Gaz. vol. 134; p. 1629.
- Haugk, F. C. H., and J. F. Schoeppl, Baltimore, Md., assignors to said Schoeppl. Crate. No. 899,010; Sept. 15; Sp. p. 3490; Dr. pp. 747-8; Gaz. vol. 136; p. 634.
- Haugland, J., and H. Braaten, Brooklyn, N. Y. Wrench. No. 893,799; July 21; Sp. p. 2967; Dr. p. 607; Gaz. vol. 135; p. 525.
- Hauk, G. J., Carmi, Ill. Pipe lifting and gripping appliance. No. 894,138; July 21; Sp. p. 3665; Dr. p. 757; Gaz. vol. 135; p. 637.
- Haulter, M. I., assignor of one-half to J. B. McCreary, Shippensburg, Pa. Automatic switch and signal. No. 897,098; Aug. 25; Sp. p. 4689; Dr. p. 999; Gaz. vol. 135; p. 1723.
- Haunty, E. M., Milton, Pa. Plumb rule and level. No. 899,730; Sept. 29; Sp. p. 4925; Dr. p. 1056; Gaz. vol. 136; p. 931.

Alphabetical list of patentees—Continued.

- Haupthoff, E., Dusseldorf, Germany. Washable covering for pillows, feather-beds, quilts, and the like. No. 880,524; Mar. 3; Sp. p. 60; Dr. p. 14; Gaz. vol. 133; p. 14.
- Hauptle, C. H., and J. J. Scheuerer, Philadelphia, Pa. Non-refillable bottle. No. 876,961; Jan. 21; Sp. p. 2622; Dr. p. 570; Gaz. vol. 132; p. 494.
- Hauptman, G. E., Omaha, Nebr., assignor to J. Duncan & Company, Boston, Mass. Switch for overhead carriers. No. 884,383; Apr. 14; Sp. p. 1453; Dr. pp. 309-10; Gaz. vol. 133; p. 1453.
- Hauschildt, J. R., Eskridge, Kans. Alarm-clock. No. 879,637; Feb. 18; Sp. p. 3598; Dr. p. 752; Gaz. vol. 132; p. 1491.
- Hauser, F., Lycippus, Pa. Combined rail-chair and fish-plate. No. 906,015; Dec. 8; Sp. p. 1775; Gaz. vol. 137; p. 1305.
- Hauser, J., Spokane, Wash. Suspender attachment. No. 904,955; Nov. 24; Sp. p. 4994; Gaz. vol. 137; p. 891.
- Hauser, M., assignor to F. Wortsmit, Jr., Toledo, Ohio. Fastener for storm-sashes, window-screens, &c. No. 888,494; May 26; Sp. p. 4343; Dr. p. 919; Gaz. vol. 134; p. 796.
- Hauser, S., and E. S. Shepherd, New York, assignors to Leader Safety Razor & Strop Co., Brooklyn, N. Y. Razor-strop. No. 898,418; Sept. 8; Sp. p. 2370; Dr. p. 506; Gaz. vol. 136; p. 411.
- Hausfelder, J. A., Los Angeles, Cal. Slack-pulling skidding device. No. 876,874; Jan. 14; Sp. p. 2407; Dr. p. 524; Gaz. vol. 132; p. 425.
- Hausmann, B., San Francisco, Cal., assignor to Hausmann Sash Carrier Co. Slidable and swinging window-sash. No. 899,731; Sept. 29; Sp. p. 4927; Dr. pp. 1056-7; Gaz. vol. 136; p. 931.
- Hausmann Sash Carrier Co. (See Hausmann, B., assignor.)
- Hausstein, W. F., Lyndhurst, assignor to Keuffel & Esser Company, Hoboken, N. J. Calculating-machine. No. 882,387; Mar. 17; Sp. p. 3781; Dr. p. 807; Gaz. vol. 133; p. 682.
- Hausstein, W. F., Lyndhurst, assignor to Keuffel & Esser Company, Hoboken, N. J. Calculating-machine. No. 882,560; Mar. 24; Sp. p. 4111; Dr. p. 872; Gaz. vol. 133; p. 772.
- Hausstein, W. F., Lyndhurst, assignor to Keuffel & Esser Company, Hoboken, N. J. Calculating-machine. No. 882,679; Mar. 24; Sp. p. 4351; Dr. p. 926; Gaz. vol. 133; p. 812.
- Hausstein, W. F., Lyndhurst, assignor to Keuffel & Esser Company, Hoboken, N. J. Calculating-machine. No. 882,680; Mar. 24; Sp. p. 4352; Dr. p. 926; Gaz. vol. 133; p. 812.
- Hausstein, W. F., Lyndhurst, assignor to Keuffel & Esser Company, Hoboken, N. J. Calculating-machine. No. 883,403; Mar. 31; Sp. p. 5333; Dr. pp. 1243-4; Gaz. vol. 133; p. 1079.
- Hausstein, W. F., Lyndhurst, assignor to Keuffel & Esser Company, Hoboken, N. J. Calculating-machine. No. 905,424; Dec. 1; Sp. p. 627; Gaz. vol. 137; p. 1084.
- Haut, J., New York, N. Y. Extension-table. No. 896,535; Aug. 18; Sp. p. 3503; Dr. p. 752; Gaz. vol. 135; p. 1515.
- Hauvette, J. E., Clermont-Ferrand, France. Tension device for loom-shuttles. No. 898,102; Sept. 8; Sp. p. 1778; Dr. pp. 377-8; Gaz. vol. 136; p. 311.
- Hauxhurst, C. E., Jr., assignor to National Folding Box & Paper Co., New Haven, Conn. Confectioner's box. No. 902,540; Oct. 27; Sp. p. 5209; Dr. p. 1052; Gaz. vol. 136; p. 1974.
- Havassy, J., Copperhill, Tenn. Bell-piano. No. 878,387; Feb. 4; Sp. p. 995; Dr. pp. 200-1; Gaz. vol. 132; p. 1011.
- Havassy, J., Copperhill, Tenn. Filter and water-cooler. No. 902,076; Oct. 27; Sp. p. 4201; Dr. p. 851; Gaz. vol. 136; p. 1821.
- Haven, F. E., Salt Lake City, Utah. Turbine. No. 878,799; Feb. 11; Sp. p. 1919; Dr. pp. 395-6; Gaz. vol. 132; p. 1181.
- Haven, H. D., Chicago, Ill. Pumping device for oil-wells. No. 879,166; Feb. 18; Sp. p. 2634; Dr. p. 549; Gaz. vol. 132; p. 1339.
- Haven, W. S., Racine, Wis. Floor-dressing machine. No. 902,398; Oct. 27; Sp. p. 4865; Dr. p. 985; Gaz. vol. 136; p. 1925.
- Havenhill, M. H., and E. A. Jenkins, Jacksonville, Ill. Photographic-print box. No. 877,078; Jan. 21; Sp. p. 2864; Dr. p. 618; Gaz. vol. 132; p. 534.
- Havens, B. D., El Paso, Tex. Hook. No. 890,510; June 9; Sp. p. 2641; Dr. p. 583; Gaz. vol. 134; p. 1511.
- Havens, R. M. (See Garland, W. H., assignor.)
- Havens, R. M., assignor of one-half to W. H. Garland, Kansas City, Mo. Loose-leaf binder. No. 904,478; Nov. 17; Sp. p. 3977; Gaz. vol. 137; p. 705.
- Havestrife, D. J., Newark, N. J., assignor, by mesne assignments, to Centerfreze Ice Process Company. Ice-making apparatus. (Reissue.) No. 12,808; June 9; Sp. p. 2809; Dr. p. 619; Gaz. vol. 134; p. 1539.
- Haver, E. H., Houston, Tex. Car-truck. No. 889,602; June 2; Sp. p. 812; Dr. p. 185; Gaz. vol. 134; p. 1189.
- Haverhill Channeling Machine Co. (See Webster, E. A., assignor.)
- Haverhill Channeling Machine Company. (See Towle, C. R., assignor.)
- Haverly, E. J., Sayre, Pa. Vending-machine. No. 892,956; July 7; Sp. p. 1137; Dr. p. 239; Gaz. vol. 135; p. 190.
- Havestick, G. W., St. Louis, Mo. Fowl or meat holder. No. 877,331; Jan. 21; Sp. p. 3387; Dr. p. 734; Gaz. vol. 132; p. 618.
- Havestick, G. W., St. Louis, Mo. Air-cooling device. No. 905,874; Dec. 8; Sp. p. 1506; Gaz. vol. 137; p. 1261.
- Havestadt, C., Wilmersdorf, near Berlin, Germany. Device for exhausting air from siphons of sluices and the like. No. 902,077; Oct. 27; Sp. p. 4202; Dr. p. 852; Gaz. vol. 136; p. 1821.
- Haviland, A., New Orleans, La. Garment-holder. No. 884,657; Apr. 14; Sp. p. 2043; Dr. p. 435; Gaz. vol. 133; p. 1542.
- Havriside, J. J., Jr., San Francisco, Cal. Readily-detachable safety-hook. No. 906,226; Dec. 8; Sp. p. 2191; Gaz. vol. 137; p. 1374.
- Havlina, J., Racine, Wis. Music-leaf turner. No. 902,877; Nov. 3; Sp. p. 704; Gaz. vol. 137; p. 117.
- Hawekotte, H. G., and H. W. Klausmann, Indianapolis, Ind. Electromagnetic toy engine. No. 882,681; Mar. 24; Sp. p. 4355; Dr. p. 927; Gaz. vol. 133; p. 813.
- Hawes, C. L., Ashtabula, Ohio. Polishing-machine. No. 889,680; June 2; Sp. p. 969; Dr. pp. 223-4; Gaz. vol. 134; p. 1214.
- Hawk, E. I., Divide, Colo. Pencil-box. No. 876,178; Jan. 7; Sp. p. 957; Dr. p. 206; Gaz. vol. 132; p. 163.
- Hawk, J. W., New Kensington, Pa. Rail-joint. No. 906,796; Dec. 15; Sp. p. 3240; Gaz. vol. 137; p. 1581.
- Hawk, S. D., Minneapolis, Kans. Bride. No. 876,715; Jan. 14; Sp. p. 2115; Dr. p. 464; Gaz. vol. 132; p. 374.
- Hawkes, J. F., Malden, Mass. Picture-frame. No. 896,827; Aug. 25; Sp. p. 4102; Dr. p. 882; Gaz. vol. 135; p. 1633.
- Hawkins, C. E., assignor of one-half to A. T. Thompson, Braddock, Pa. Wrench. No. 885,003; Apr. 14; Sp. p. 2715; Dr. p. 575; Gaz. vol. 133; p. 1652.
- Hawkins, E. A., Baldwin, assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Cable-support. No. 901,706; Oct. 20; Sp. p. 3466; Dr. p. 702; Gaz. vol. 133; p. 1673.
- Hawkins, E. C., assignor of one-half to D. Roney, Allegheny, Pa. Device for reshaping and re-forming boots and shoes. No. 897,830; Sept. 1; Sp. p. 1200; Dr. p. 255; Gaz. vol. 136; p. 190.
- Hawkins, E. J., Syracuse, N. Y. Match-box. No. 888,328; May 19; Sp. p. 3979; Dr. p. 838; Gaz. vol. 134; p. 711.
- Hawkins, F. M., Mansfield, Ohio. Combined tube expander and cutter. No. 906,797; Dec. 15; Sp. p. 3241; Gaz. vol. 137; p. 1582.
- Hawkins, G. E., assignor of one-half to T. J. Hackney, Wellborn, Fla. Saw-gummer. No. 879,962; Feb. 25; Sp. p. 4296; Dr. p. 898; Gaz. vol. 132; p. 1632.
- Hawkins, H. E., Parker, Kans. Loading device for grain, &c. No. 885,923; Apr. 28; Sp. p. 4649; Dr. p. 979; Gaz. vol. 133; p. 2015.
- Hawkins, H. E., Kansas City, Mo. Loose-leaf book. No. 904,777; Nov. 24; Sp. p. 4625; Gaz. vol. 137; p. 832.
- Hawkins, H. E., Kansas City, Mo., assignor to Hamacher-Hawkins Manufacturing Co. Loose-leaf book. No. 907,596; Dec. 22; Sp. p. 4849; Gaz. vol. 137; p. 1880.
- Hawkins, L. A., Schenectady, N. Y., assignor to General Electric Company. Trolley-contact. No. 894,637; July 28; Sp. p. 4707; Dr. p. 977; Gaz. vol. 135; p. 821.
- Hawkins, L. A., Schenectady, N. Y., assignor to General Electric Company. Block-signal system. No. 897,531; Sept. 1; Sp. p. 599; Dr. p. 125; Gaz. vol. 136; p. 94.
- Hawkins, P., Kokomo, Ind. Wrench. No. 879,383; Feb. 18; Sp. p. 3047; Dr. p. 635; Gaz. vol. 132; p. 1408.
- Hawkins, S. A., assignor to Economic Engineering & Construction Company, Chicago, Ill. Elbow connection. No. 898,882; Sept. 15; Sp. p. 3263; Dr. p. 698; Gaz. vol. 136; p. 594.
- Hawks, I. S. (See Holliday and Hawks.)
- Hawks, M. L., New York, N. Y. Knife and scissors sharpener. No. 890,052; June 9; Sp. p. 1726; Dr. p. 382; Gaz. vol. 134; p. 1363.
- Hawley, C. G. (See Baker, E. K., assignor.)
- Hawley, C. G. (See McGary, A., assignor.)
- Hawley, C. G., Chicago, Ill. Automatic shoveling-machine. No. 895,457; Aug. 11; Sp. p. 1372; Dr. pp. 288-9; Gaz. vol. 135; p. 1144.
- Hawley, C. G., assignor to F. A. Gale, Chicago, Ill. Normal-surface transfer-table. No. 889,368; June 2; Sp. p. 346; Dr. p. 81; Gaz. vol. 134; p. 1114.
- Hawley, C. G., assignor to F. A. Gale, Chicago, Ill. Normal-surface transfer-table. No. 889,369; June 2; Sp. p. 350; Dr. p. 82; Gaz. vol. 134; p. 1115.
- Hawley, C. G., assignor to F. A. Gale, Chicago, Ill. Normal-surface turn-table. No. 889,370; June 2; Sp. p. 354; Dr. p. 83; Gaz. vol. 134; p. 1115.
- Hawley, C. G., assignor to F. A. Gale, Chicago, Ill. Normal-surface turn-table. No. 889,371; June 2; Sp. p. 358; Dr. pp. 83-4; Gaz. vol. 134; p. 1115.
- Hawley, C. G., assignor to F. A. Gale, Chicago, Ill. Normal-surface turn-table. No. 889,372; June 2; Sp. p. 363; Dr. pp. 84-5; Gaz. vol. 134; p. 1116.
- Hawley, C. G., assignor to Barco Brass and Joint Company, Chicago, Ill. Flexible fluid-joint. No. 900,533; Oct. 6; Sp. p. 993; Dr. p. 202; Gaz. vol. 136; p. 1225.

Alphabetical list of patentees—Continued.

- Hawley, C. G., and E. K. Baker, Chicago, Ill. Pneumatic-tire casing. No. 903,714; Nov. 10; Sp. p. 2358; Gaz. vol. 137; p. 415.
- Hawley, C. G., and E. K. Baker, Chicago, Ill. Tread for pneumatic tires. No. 903,715; Nov. 10; Sp. p. 2362; Gaz. vol. 137; p. 415.
- Hawley, C. T., assignor to Simplex Time Recorder Company, Gardner, Mass. Workman's time-recorder. (Reissue.) No. 12,761; Mar. 10; Sp. p. 2789; Dr. pp. 598-9; Gaz. vol. 133; p. 493.
- Hawley Down Draft Furnace Company. (See Bleyer, S. T., assignor.)
- Hawley, E. W., Milwaukee, and G. H. Wheary, assignors to Hartmann Trunk Company, Racine, Wis. Garment-supporter attachment for receptacles. No. 875,811; Jan. 7; Sp. p. 258; Dr. p. 55; Gaz. vol. 132; p. 48.
- Hawley, E. W., Milwaukee, and G. H. Wheary, assignors to Hartman Trunk Company, Racine Wis. Garment-hanger. No. 902,078; Oct. 27; Sp. p. 4205; Dr. p. 852; Gaz. vol. 136; p. 1821.
- Hawley, H. (See Schloss and Hawley.)
- Hawley, H., New York, N. Y., assignor to Castle Braid Company. Ornamental holder and producing the same. No. 890,903; June 16; Sp. p. 3472; Dr. p. 760; Gaz. vol. 134; p. 1672.
- Hawley, H., Culpeper, assignor of one-half to G. T. Foltz, Wytheville, Va. Tent-pin. No. 907,799; Dec. 29; Sp. p. 5304; Gaz. vol. 137; p. 1978.
- Hawley, L. C., assignor to National Carbon Company, Cleveland, Ohio. Pigtail-brush. No. 903,972; Nov. 17; Sp. p. 2919; Gaz. vol. 137; p. 533.
- Hawley, M. (See Rose and Hawley.)
- Hawley, R. P., Monongahela, Pa. Hinge. No. 898,360; Sept. 8; Sp. p. 2253; Dr. p. 480; Gaz. vol. 136; p. 391.
- Hawley, W. S., Landing, N. J. Boiler. No. 899,299; Sept. 22; Sp. p. 4074; Dr. pp. 870-1; Gaz. vol. 136; p. 756.
- Haworth, R. D., Wellington, New Zealand. Manufacture of cardboard boxes. No. 884,384; Apr. 14; Sp. p. 1455; Dr. p. 310; Gaz. vol. 133; p. 1454.
- Hawthorne, E. A. (See Norcross, I. W., assignor.)
- Hawthorne, E. A. (See Sheble and Hawthorne.)
- Hawthorne, E. A., Springfield, Mass., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Disk-record-filing cabinet. No. 887,631; May 12; Sp. p. 2638; Dr. p. 556; Gaz. vol. 134; p. 455.
- Hawthorne & Sheble Manufacturing Company. (See Hawthorne, E. A., assignor.)
- Hawthorne & Sheble Manufacturing Company. (See Kraemer, T., assignor.)
- Hawthorne and Sheble Manufacturing Company. (See Sheble and Hawthorne, assignors.)
- Hawthorne & Sheble Manufacturing Company. (See Valiquet, L. P., assignor.)
- Hawver, C. B. (See Crampton, H. B., assignor.)
- Hay, A. T., *et al.* (See Miller & Adamson, assignors.)
- Hay, G. H. (See Hyman and Hay.)
- Hay, J. D., assignor of one-half to W. R. Donaldson and one-fourth to G. W. Marble, Chicago, Ill. Explosive-engine. No. 880,024; Feb. 25; Sp. p. 4409; Dr. p. 927; Gaz. vol. 132; p. 1652.
- Hay, J. F., assignor to Erie Malleable Iron Company, Erie, Pa. Sand-blast apparatus. No. 879,102; Feb. 11; Sp. p. 2486; Dr. p. 518; Gaz. vol. 132; p. 1275.
- Hay, P., (now by marriage P. Davis,) Mineral Wells, Tex. Milk-cooler. No. 889,681; June 2; Sp. p. 970; Dr. p. 224; Gaz. vol. 134; p. 1214.
- Hay, P. S., assignor of one-fourth to R. J. Myers, Montgomery, Ala. Tooth-powder holder. No. 888,011; May 19; Sp. p. 3400; Dr. p. 715; Gaz. vol. 134; p. 610.
- Hay, P. S., assignor of one-half to T. H. Betty, Montgomery, Ala. Suspender attachment. No. 903,376; Nov. 10; Sp. p. 1674; Gaz. vol. 137; p. 306.
- Hay, R., Mount Pleasant, Pa. Steam-engine. No. 894,139; July 21; Sp. p. 3666; Dr. p. 758; Gaz. vol. 135; p. 637.
- Hay, W., Erie, Pa. Detachable chain. No. 893,240; July 14; Sp. p. 1721; Dr. p. 363; Gaz. vol. 135; p. 311.
- Hayden, A. C., Brockton, Mass. Developing apparatus. No. 884,922; Apr. 14; Sp. p. 2570; Dr. p. 541; Gaz. vol. 133; p. 1628.
- Hayden, E., Boston, Mass., assignor to Hayden Machinery Company, Portland, Me. Ring-spinning and twisting apparatus. No. 889,881; June 2; Sp. p. 1344; Dr. p. 307; Gaz. vol. 134; p. 1279.
- Hayden, E. E., Washington, D. C. Automatic electric fire-alarm signal. No. 880,662; Mar. 3; Sp. p. 346; Dr. p. 76; Gaz. vol. 133; p. 61.
- Hayden, E. J., Minneapolis, Minn. Adjustable suspenders. No. 877,332; Jan. 21; Sp. p. 3389; Dr. p. 734; Gaz. vol. 132; p. 618.
- Hayden, E. L. (See Prager and Hayden.)
- Hayden, H. A., Jersey City, N. J. Shoe-tree. No. 896,536; Aug. 18; Sp. p. 3504; Dr. p. 753; Gaz. vol. 135; p. 1515.
- Hayden, J. L. R., Schenectady, N. Y., assignor to General Electric Company. Resistance unit. No. 895,857; Aug. 11; Sp. p. 2171; Dr. p. 461; Gaz. vol. 135; p. 1274.
- Hayden, J. T., assignor to Crane Company, Chicago, Ill. Quick-opening valve. No. 875,812; Jan. 7; Sp. p. 259; Dr. p. 56; Gaz. vol. 132; p. 48.
- Hayden, J. T., assignor to Crane Company, Chicago, Ill. Valve-stem. No. 900,534; Oct. 6; Sp. p. 996; Dr. p. 203; Gaz. vol. 136; p. 1225.
- Hayden Machinery Company. (See Hayden, E., assignor.)
- Hayden, P. C., Keokuk, Iowa. Multiple-ruling device. No. 891,692; June 23; Sp. p. 5108; Dr. p. 1102; Gaz. vol. 134; p. 1965.
- Hayden, R. B., Spokane, Wash. Folding umbrella. No. 907,231; Dec. 22; Sp. p. 4111; Gaz. vol. 137; p. 1757.
- Hayden, W. A., assignor of one-fourth to W. Skyles, Columbia Falls, Mont. Lacing-loop for shoes, &c. No. 902,399; Oct. 27; Sp. p. 4868; Dr. p. 986; Gaz. vol. 136; p. 1925.
- Hayden, W. B., New York, N. Y. Spark-plug. No. 881,684; Mar. 10; Sp. p. 2363; Dr. p. 512; Gaz. vol. 133; p. 424.
- Hayes, A. (See Hansen and Hayes.)
- Hayes, A., Medina, Ohio. Combined harrow and roller. No. 884,658; Apr. 14; Sp. p. 2044; Dr. p. 436; Gaz. vol. 133; p. 1542.
- Hayes, F. C., Altamont, N. Y. File. No. 892,957; July 7; Sp. p. 1139; Dr. p. 239; Gaz. vol. 135; p. 190.
- Hayes, G., Mount Vernon, N. Y. Transom-fastener. No. 893,072; July 14; Sp. p. 1390; Dr. p. 294; Gaz. vol. 135; p. 257.
- Hayes, H. J. (See Hizer, W., assignor.)
- Hayes, J., Jr., Amsterdam, and J. Berger, Jr., Utica, N. Y., assignors to Union Special Sewing Machine Company, Chicago, Ill. Sewing and trimming machine. No. 902,532; Oct. 27; Sp. p. 5190; Dr. p. 1049; Gaz. vol. 136; p. 1972.
- Hayes, J. E. R., Melrose, Mass. Cord-grip for mechanical or other fixtures. No. 888,893; May 26; Sp. p. 5199; Dr. p. 1103; Gaz. vol. 134; p. 930.
- Hayes, J. F., Broad Brook, Conn. Dump-wagon. No. 880,733; Mar. 3; Sp. p. 494; Dr. p. 103; Gaz. vol. 133; p. 85.
- Hayes, J. M. (See Doubler, J. W. H., assignor.)
- Hayes, J. N., Dallas City, Pa. Fence-post. No. 880,992; Mar. 3; Sp. p. 1008; Dr. p. 216; Gaz. vol. 133; p. 171.
- Hayes, J. W., assignor of one-half to M. Hirschman, Baltimore, Md. Detachable pocket for garments. No. 879,638; Feb. 18; Sp. p. 3599; Dr. p. 752; Gaz. vol. 132; p. 1492.
- Hayes Pump and Planter Company. (See Hayes, R. W. E., assignor.)
- Hayes, R. W. E., assignor of one-half to Hayes Pump & Planter Company, Galva, Ill. Drag-bar for cultivators. No. 881,858; Mar. 10; Sp. p. 2722; Dr. p. 583; Gaz. vol. 133; p. 482.
- Hayes, S. W., Geneva, N. Y. Portable derailer. No. 875,996; Jan. 7; Sp. p. 601; Dr. p. 129; Gaz. vol. 132; p. 105.
- Hayes, T. (See Guthrie and Hayes.)
- Hayes, W. A., Philadelphia, Pa. Package-tie. No. 895,015; Aug. 4; Sp. p. 494; Dr. p. 99; Gaz. vol. 135; p. 974.
- Hayes, W. E., Frankfurt, N. Y. Automatic third-rail contact-shoe guard. No. 899,593; Sept. 29; Sp. p. 4657; Dr. p. 998; Gaz. vol. 136; p. 889.
- Haymond, W. O., and J. O. Potter, Muncie, Ind. Indicator. No. 898,643; Sept. 15; Sp. p. 2835; Dr. p. 605; Gaz. vol. 136; p. 516.
- Hayn, A. F., and J. A. W. Leilich, Chemnitz, Germany. Apparatus for indicating stations, advertisements, and other announcements. No. 896,206; Aug. 18; Sp. p. 2824; Dr. pp. 608-9; Gaz. vol. 135; p. 1407.
- Haynes, D., Atlanta, Ga. Mattress-making machine. No. 883,015; Mar. 24; Sp. p. 5017; Dr. p. 1067; Gaz. vol. 133; p. 921.
- Haynes, D. S. (See Wrightsman, W., assignor.)
- Haynes, D. S., Evansville, Ind. Bottle-neck and attachment therefor. No. 889,682; June 2; Sp. p. 971; Dr. p. 224; Gaz. vol. 134; p. 1215.
- Haynes, J. H., De Leon, Tex. Compound implement. No. 877,333; Jan. 21; Sp. p. 3390; Dr. p. 734; Gaz. vol. 132; p. 618.
- Haynes, J. T., and H. B. Webb, Keokuk, Ill. Road-grader. No. 886,802; May 5; Sp. p. 966; Dr. p. 202; Gaz. vol. 134; p. 157.
- Haynes, K. (See O'Dell and Haynes.)
- Haynes, L. C., Boston, Mass. Spring for vehicles. No. 880,884; Mar. 3; Sp. p. 820; Dr. p. 174; Gaz. vol. 133; p. 137.
- Haynes, R. E. (See Martin, Grant, McGavock, Haynes, and Voorhies.)
- Haynes, R. E., Salisbury, N. C. Cotton-press. No. 879,639; Feb. 18; Sp. p. 3600; Dr. pp. 753-4; Gaz. vol. 132; p. 1492.
- Haynes, T. S., Bay City, Tex. Threshing-machine. No. 887,632; May 12; Sp. p. 2639; Dr. pp. 556-7; Gaz. vol. 134; p. 455.
- Hays Manufacturing Company. (See Hitchcock, O. G., assignor.)
- Hays, W. C., Arlington, Oreg. Sash and screen fastener. No. 899,045; Sept. 22; Sp. p. 3563; Dr. p. 763; Gaz. vol. 136; p. 673.
- Hayssen, H., assignor to Excelsior Wrapper Company, Sheboygan, Wis. Apparatus for the manufacture of packing-pads. No. 887,250; May 12; Sp. p. 1808; Dr. pp. 381-4; Gaz. vol. 134; p. 325.
- Hayton, T. R., Mount Vernon, Wash. Rotary pump. No. 902,878; Nov. 3; Sp. p. 705; Gaz. vol. 137; p. 117.
- Hayward Company. (See Atkinson, H. S., assignor.)

Alphabetical list of patentees—Continued.

- Hayward, P., Hanging Rock, Ohio. Transmission-gear. No. 897,099; Aug. 25; Sp. p. 4691; Dr. p. 1000; Gaz. vol. 135; p. 1723.
- Hayward, S. P., East Pepperell, Mass. Pruning instrument. No. 888,495; May 26; Sp. p. 4344; Dr. p. 919; Gaz. vol. 134; p. 796.
- Haywood, D. H., New York, N. Y. Regulating apparatus. No. 905,425; Dec. 1; Sp. p. 630; Gaz. vol. 137; p. 1035.
- Haywood, D. H., New York, N. Y. Regulating apparatus. No. 905,426; Dec. 1; Sp. p. 637; Gaz. vol. 137; p. 1035.
- Haywood, D. H., New York, N. Y., assignor to W. B. Wadsworth, Plainfield, N. J. Heat-regulating apparatus. No. 884,275; Apr. 7; Sp. p. 1235; Dr. p. 260; Gaz. vol. 133; p. 1388.
- Haywood, D. H., assignor to J. M. Fiske, New York, N. Y. Speedometer. No. 892,723; July 7; Sp. p. 648; Dr. pp. 137-8; Gaz. vol. 135; p. 113.
- Haywood, D. H., New York, N. Y., assignor to E. Pohl, Paterson, N. J. Silk-thread-finishing machine. No. 904,869; Nov. 24; Sp. p. 4832; Gaz. vol. 137; p. 863.
- Haywood, J. W., Baldwinsville, N. Y. Dump-wagon. No. 889,603; June 2; Sp. p. 813; Dr. p. 185; Gaz. vol. 134; p. 1190.
- Haywood, J. W., Baldwinsville, N. Y. Dump-wagon. No. 899,011; Sept. 15; Sp. p. 3492; Dr. p. 748; Gaz. vol. 136; p. 635.
- Hazard, F. R. (See Burcey, C. J. T., assignor.)
- Hazard, H. T. (See Gage and Hazard.)
- Hazard, M. (See Ensign and Hazard.)
- Hazard, S. B., Peoria, Ill. Riding attachment for harrows. No. 902,879; Nov. 3; Sp. p. 707; Gaz. vol. 137; p. 117.
- Hazen-Brown Company. (See Brown, M., assignor.)
- Hazen, L. P., Cincinnati, Ohio. Metal-bending tool. No. 896,207; Aug. 18; Sp. p. 2827; Dr. p. 609; Gaz. vol. 135; p. 1408.
- Hazen, M. W., New York, N. Y., and R. W. Uhlig, Rutherford, N. J.; said Uhlig assignor to said Hazen. Type-writer. No. 887,192; May 12; Sp. p. 1675; Dr. p. 356; Gaz. vol. 134; p. 307.
- Hazlet, J. D., and G. W. Haight, Franklin, Pa. Railway-tie. No. 897,100; Aug. 25; Sp. p. 4693; Dr. p. 1000; Gaz. vol. 135; p. 1728.
- Hazlet, J. D., and G. W. Haight, Franklin, Pa. Railway-tie. No. 899,976; Sept. 29; Sp. p. 5455; Dr. p. 1163; Gaz. vol. 136; p. 1012.
- Hazzard, F. H. (See Hazzard, W. H., assignor.)
- Hazzard, W. Lorain, Ohio. Bread and vegetable slicer. No. 890,645; June 16; Sp. p. 2948; Dr. p. 645; Gaz. vol. 134; p. 1589.
- Hazzard, W. H., Easton, Pa., assignor of one-half to F. H. Hazzard, New York, N. Y. Trestle. No. 880,525; Mar. 3; Sp. p. 60; Dr. p. 14; Gaz. vol. 133; p. 14.
- Head, B. I., Kirkwood, Mo. Lubricator. No. 893,496; July 14; Sp. p. 2255; Dr. p. 473; Gaz. vol. 135; p. 396.
- Head, F., Philadelphia, Pa. Form for stack construction. No. 877,768; Jan. 28; Sp. p. 4242; Dr. p. 921; Gaz. vol. 132; p. 780.
- Head, W. N., New York, assignor to G. Agobian, Brooklyn, N. Y. Pulley-block. No. 905,309; Dec. 1; Sp. p. 344; Gaz. vol. 137; p. 1044.
- Head, T. (See Mylor and Head.)
- Heald, A., Philadelphia, Pa. Pile fabric and weaving same. No. 892,517; July 7; Sp. p. 250; Dr. pp. 52-3; Gaz. vol. 135; p. 46.
- Heald, I. A., Washington, D. C. Cigar and cigarette holder. No. 882,825; Mar. 24; Sp. p. 4635; Dr. p. 988; Gaz. vol. 133; p. 859.
- Heald, J. N., assignor to Heald Machine Company, Worcester, Mass. Feeding mechanism for grinding-machines. No. 888,496; May 26; Sp. p. 434; Dr. pp. 919-20; Gaz. vol. 134; p. 797.
- Heald Machine Company. (See Heald, J. N., assignor.)
- Heale, J. E., assignor of one-fourth to A. C. Bigelow and M. Sylvia, Goldfield, Nev. Railway-spike. No. 896,108; Aug. 18; Sp. p. 2657; Dr. p. 573; Gaz. vol. 135; p. 1377.
- Healey & Co. (See Douglas, W. H., assignor.)
- Healey, E. G., Fort Dodge, Iowa. Shoe. No. 878,061; Feb. 4; Sp. p. 342; Dr. p. 71; Gaz. vol. 132; p. 904.
- Healy, A. (See Ray, F. O., assignor.)
- Healy, J. H., Indianapolis, Ind. Information-card holder. No. 896,909; Aug. 25; Sp. p. 4298; Dr. p. 919; Gaz. vol. 135; p. 1661.
- Healy, J. J., and W. J. Galvin, Buffalo, N. Y. Bottle attachment. No. 903,716; Nov. 10; Sp. p. 2365; Gaz. vol. 137; p. 415.
- Healy, W. (See Messersmith and Healy.)
- Healy, W. H., San Francisco, Cal. Clamp for mold-forms for concrete columns or pillars. No. 907,496; Dec. 22; Sp. p. 4642; Gaz. vol. 137; p. 1848.
- Healy, W. P. (See Miller, J. J., assignor.)
- Heard, G. M. D., Painesville, Ohio. Hatchet-brace. No. 878,204; Feb. 4; Sp. p. 647; Dr. pp. 132-3; Gaz. vol. 132; p. 950.
- Heard, G. M. D., Painesville, Ohio. Brace. No. 878,205; Feb. 4; Sp. p. 648; Dr. p. 133; Gaz. vol. 132; p. 951.
- Heard, W. H., London, Ontario, Canada. Safety-clutch for power-driving pumps. No. 876,053; Jan. 7; Sp. p. 704; Dr. p. 151; Gaz. vol. 132; p. 122.
- Heard, W. H., London, Ontario, Canada. Spray-nozzle. No. 876,453; Jan. 14; Sp. p. 1548; Dr. p. 332; Gaz. vol. 132; p. 284.
- Heard, W. H., London, Ontario, Canada. Pump. No. 898,471; Sept. 15; Sp. p. 2487; Dr. p. 532; Gaz. vol. 136; p. 460.
- Hearing, E., and F. A. Dudley, Kellogg, Idaho. Centrifugal concentrator. No. 876,642; Jan. 14; Sp. p. 1982; Dr. p. 431; Gaz. vol. 132; p. 351.
- Hearn, J. (See Gerwig, E., assignor.)
- Hearn, J. S., Jett, Ky. Lifting-jack. No. 905,528; Dec. 1; Sp. p. 849; Gaz. vol. 137; p. 1118.
- Hearn, J. T., Victory, Ga. Overshoe-fastener. No. 897,287; Sept. 1; Sp. p. 41; Dr. p. 10; Gaz. vol. 136; p. 10.
- Hearn, M. W., Cobleskill, N. Y. Adjustable stand. No. 892,422; July 7; Sp. p. 58; Dr. pp. 13-14; Gaz. vol. 135; p. 14.
- Hearson, T. A., London, England. Centering and gaging instrument for bars. No. 887,092; May 12; Sp. p. 1508; Dr. p. 319; Gaz. vol. 134; p. 277.
- Hearst Foundry & Manufacturing Company. (See Bolus, W. G., assignor.)
- Heart, C., assignor, by mesne assignments, to American Steel Wheel Co., Alexandria, Ind. Sheet-metal hub. No. 906,494; Dec. 8; Sp. p. 2673; Gaz. vol. 137; p. 1461.
- Heaslet, J. G., Detroit, Mich., assignor to Garford Company, Elyria, Ohio. Clutch. No. 891,475; June 23; Sp. p. 4651; Dr. p. 1008; Gaz. vol. 134; p. 1893.
- Heath, A. M. (See Fuller, L. E., assignor.)
- Heath, C., Shortsville, N. Y. Hub. No. 895,858; Aug. 11; Sp. p. 2173; Dr. p. 461; Gaz. vol. 135; p. 1274.
- Heath, E. H., Chicago, Ill. Pattern device for warp-knitting machines. No. 891,216; June 16; Sp. p. 4096; Dr. p. 899; Gaz. vol. 134; p. 1774.
- Heath, E. H., Chicago, Ill. Attachment for warp-knitting machines. No. 891,217; June 16; Sp. p. 4099; Dr. p. 900; Gaz. vol. 134; p. 1775.
- Heath, F. M., Portland, Oreg. Flue-damper. No. 883,878; Apr. 7; Sp. p. 422; Dr. p. 83; Gaz. vol. 133; p. 1258.
- Heath, H. E., Lynn, Mass., assignor to General Electric Company. Brush-holder. No. 900,730; Oct. 13; Sp. p. 1409; Dr. p. 287; Gaz. vol. 136; p. 1316.
- Heath, M., New York, N. Y. Corset. No. 907,232; Dec. 22; Sp. p. 4115; Gaz. vol. 137; p. 1758.
- Heath, T. J., St. Louis, Mo. Envelop. No. 903,717; Nov. 10; Sp. p. 2366; Gaz. vol. 137; p. 416.
- Heath, W. P., and J. H. Story, Menlo, Ga. Wagon-brake. No. 896,910; Aug. 25; Sp. p. 4299; Dr. p. 919; Gaz. vol. 135; p. 1661.
- Heathcock, A., and L. Rush, Jackson, Tenn. Engine-governor. No. 891,064; June 16; Sp. p. 3810; Dr. p. 832; Gaz. vol. 134; p. 1727.
- Heather, F., New York, N. Y. Edge-cutter for lawns. No. 903,085; Nov. 3; Sp. p. 1111; Gaz. vol. 137; p. 181.
- Heathorn, T. B., Knightsbridge, London, England. Means for preventing side slip of motor-vehicles. No. 880,212; Feb. 25; Sp. p. 4794; Dr. p. 1015; Gaz. vol. 132; p. 1714.
- Heaton, H. E., Oroville, Cal. Spring-wheel. No. 885,342; Apr. 21; Sp. p. 3460; Dr. p. 721; Gaz. vol. 133; p. 1799.
- Heaton, H. E., Oroville, Cal. Spring-wheel. No. 899,668; Sept. 29; Sp. p. 4798; Dr. p. 1027; Gaz. vol. 136; p. 911.
- Heaton, J., Hampton Station, New Brunswick, Canada. Acetylene-gas generator. No. 886,699; May 5; Sp. p. 730; Dr. p. 150; Gaz. vol. 134; p. 123.
- Heaton, S. W., Philadelphia, Pa. Flooring. No. 885,751; Apr. 28; Sp. p. 4290; Dr. p. 898; Gaz. vol. 133; p. 1957.
- Heaton, W. S. (See Ohmer and Heaton.)
- Heber, J., New Martinsville, W. Va. Self-tightening joint. No. 896,727; Aug. 25; Sp. p. 3870; Dr. p. 837; Gaz. vol. 135; p. 1597.
- Heber, W. R., and C. H. Gunzel, West Berkeley, Cal. Can-punch. No. 905,427; Dec. 1; Sp. p. 641; Gaz. vol. 137; p. 1086.
- Hebert, J., Rochester, N. Y. Dumping-wagon. No. 875,908; Jan. 7; Sp. p. 439; Dr. pp. 97-8; Gaz. vol. 132; p. 79.
- Hebert, H. B., New York, N. Y. Reduction-friction. No. 879,262; Feb. 18; Sp. p. 2805; Dr. p. 588; Gaz. vol. 132; p. 1370.
- Hebert, M. D., Gloversville, N. Y. Cast-off mill for sewing-machines. No. 892,958; July 7; Sp. p. 1140; Dr. pp. 239-40; Gaz. vol. 135; p. 191.
- Hebert, U., Manchester, N. H. Transferring mechanism for automatic filling-replenishing looms. No. 896,014; Aug. 11; Sp. p. 2479; Dr. p. 533; Gaz. vol. 135; p. 1324.
- Hebert, U., Manchester, N. H. Weft-replenishing loom. No. 896,015; Aug. 11; Sp. p. 2481; Dr. pp. 533-4; Gaz. vol. 135; p. 1325.
- Hebert, U., Manchester, N. H., assignor to Draper Company, Hopedale, Mass. Automatic filling-replenishing loom. No. 886,700; May 5; Sp. p. 732; Dr. p. 150; Gaz. vol. 134; p. 124.
- Hebestreit, O., Colorado Springs, Colo. Tray. No. 901,444; Oct. 20; Sp. p. 2899; Dr. p. 590; Gaz. vol. 136; p. 1586.
- Hebestreit, O., Colorado Springs, Colo. Tray. No. 903,377; Nov. 10; Sp. p. 1675; Gaz. vol. 137; p. 307.
- Hebting, M., Kaw, Okla. Potato digger and shaker. No. 902,400; Oct. 27; Sp. p. 4870; Dr. p. 986; Gaz. vol. 136; p. 1925.
- Hecht, F., Tegel, Germany. Steam-generator. No. 877,334; Jan. 21; Sp. p. 3391; Dr. p. 735; Gaz. vol. 132; p. 619.

Alphabetical list of patentees—Continued.

- Hecht, J. L., Davenport, Iowa, assignor to Davenport Wagon Company. Hook for swingletrees or neck-yokes. No. 880,734; Mar. 3; Sp. p. 496; Dr. p. 103; Gaz. vol. 133; p. 86.
- Hecht, P. (See Willmann and Hecht.)
- Heck, A. C., Findlay, Ohio. Sectional conveyer-frame for excavating-machines. No. 883,016; Mar. 24; Sp. p. 5019; Dr. p. 1067; Gaz. vol. 133; p. 921.
- Heck, A. C., Findlay, Ohio. Ditching-wheel. No. 883,017; Mar. 24; Sp. p. 5021; Dr. p. 1068; Gaz. vol. 133; p. 921.
- Heck, J. D., assignor to one-half to W. W. Wilson, Tenmile, and J. T. Wilson, Weston, W. Va. Wrench and tool-holder. No. 905,070; Nov. 24; Sp. p. 5203; Gaz. vol. 137; p. 929.
- Heckel, J. (See Straubel and Heckel.)
- Heckel, F. A. (See Cleavland, C. M., assignor.)
- Hecker, H. F., Shakopee, Minn. Paneling. No. 878,627; Feb. 11; Sp. p. 1589; Dr. p. 323; Gaz. vol. 132; p. 1125.
- Heckman, C. E., assignor to James Cunningham, Son & Co., Rochester, N. Y. Device for securing axle-boxes to axles. No. 885,153; Apr. 21; Sp. p. 3058; Dr. p. 642; Gaz. vol. 133; p. 1735.
- Heckman, J. C., Avalon, assignor to one-half to W. J. Gilmore, Pittsburg, Pa. Pigment. No. 887,042; May 5; Sp. p. 1396; Gaz. vol. 134; p. 232.
- Heckman, J. C., Avalon, assignor to one-half to W. J. Gilmore, Pittsburg, Pa. Pigment. No. 887,043; May 5; Sp. p. 1397; Gaz. vol. 134; p. 232.
- Heckman, J. P. (See Pierce, A., assignor.)
- Heckman, J. R., Ketchikan, Alaska. Fish-trap. No. 897,897; Sept. 8; Sp. p. 1347; Dr. p. 288; Gaz. vol. 136; p. 244.
- Heckman, J. R., Ketchikan, Alaska. Fish-trap. No. 897,898; Sept. 8; Sp. p. 1351; Dr. p. 289; Gaz. vol. 136; p. 245.
- Heckscher, A. (See Buck, C. F., assignor.)
- Hector, L. (See West, W. N., assignor.)
- Hedberg, P. L., assignor to Chicago Metal Weather Strip Company, Chicago, Ill. Weather-strip. No. 890,904; June 16; Sp. p. 3473; Dr. p. 760; Gaz. vol. 134; p. 1073.
- Heddaeus, E., and R. Nothnagel, Bilbao, Spain. Lightning-arrester. No. 895,752; Aug. 11; Sp. p. 1953; Dr. p. 413; Gaz. vol. 135; p. 1240.
- Hedderich, E. F., Flora, assignor to Dairy Cream Separator Co., Lebanon, Ind. Machine-frame. No. 889,683; June 2; Sp. p. 974; Dr. pp. 224-5; Gaz. vol. 134; p. 1215.
- Heddon, J., assignor to J. Heddon & Sons, Dowagiac, Mich. Reel-clamp for fishing-rods. No. 905,428; Dec. 1; Sp. p. 642; Gaz. vol. 137; p. 1086.
- Heddon & Sons, J. (See Heddon, J., assignor.)
- Hedge, J. F., Leicester, Mass. Non-refillable bottle. No. 886,803; May 5; Sp. p. 968; Dr. p. 203; Gaz. vol. 134; p. 157.
- Hedgeland, F. W., Chicago, Ill. Differential clutch mechanism for automobiles. No. 906,016; Dec. 8; Sp. p. 1776; Gaz. vol. 137; p. 1305.
- Hedgeland, F. W., Canton, Ohio. Differential clutch mechanism for automobiles. No. 906,017; Dec. 8; Sp. p. 1779; Gaz. vol. 137; p. 1306.
- Hedgely, C. E., Nashville, N. C. Cotton-chopper. No. 904,427; Nov. 17; Sp. p. 3872; Gaz. vol. 137; p. 688.
- Hedger, L. A., Mill Valley, Cal. Electric-switch-operating machine. No. 891,617; June 23; Sp. p. 4931; Dr. p. 1062; Gaz. vol. 134; p. 1938.
- Hedges, E. G., Newark, N. J. Compression-cock. No. 905,181; Dec. 1; Sp. p. 116; Gaz. vol. 137; p. 1002.
- Hedges, J. C., Des Moines, Iowa. Loose-leaf book. No. 899,594; Sept. 29; Sp. p. 4658; Dr. p. 998; Gaz. vol. 136; p. 889.
- Hedinger, T., Jr. (See Morrison, C. M., assignor.)
- Hedlund, P. J., Stockholm, Sweden. Steam-turbine. No. 883,404; Mar. 31; Sp. p. 5836; Dr. p. 1244; Gaz. vol. 133; p. 1079.
- Hedlund, P. J., Stockholm, Sweden. Torpedo. No. 906,133; Dec. 8; Sp. p. 2002; Gaz. vol. 137; p. 1342.
- Hedrick, E. F., Fort Bayard, N. Mex. Ter. Trigger mechanism. No. 906,419; Dec. 8; Sp. p. 2531; Gaz. vol. 137; p. 1435.
- Hedrick, G. W. (See Campbell and Hedrick.)
- Hedrick, H. J., Independence, Mo. Mail-bag receiving and delivering apparatus. No. 887,799; May 19; Spec. p. 2981; Dr. p. 626; Gaz. vol. 134; p. 540.
- Hedstrom, C. O., Springfield, Mass. Convertible bicycle and tandem frame. No. 895,753; Aug. 11; Sp. p. 1954; Dr. p. 413; Gaz. vol. 135; p. 1240.
- Hedstrom, C. O., Springfield, Mass. Internal-combustion engine. No. 895,754; Aug. 11; Sp. p. 1955; Dr. p. 413; Gaz. vol. 135; p. 1241.
- Hedstrom, C. O., Springfield, Mass. Self-oiling connecting-rod. No. 895,755; Aug. 11; Sp. p. 1957; Dr. p. 414; Gaz. vol. 135; p. 1241.
- Hedstrom, J. P., assignor to Hanchett Swage Works, Big Rapids, Mich. Saw-sharpening machine. No. 884,385; Apr. 14; Sp. p. 1456; Dr. p. 310; Gaz. vol. 133; p. 1454.
- Hee, N., Baldwinville, N. Y. Vehicle-spring. No. 891,168; June 16; Sp. p. 3989; Dr. p. 876; Gaz. vol. 134; p. 1758.
- Heeney, J. P., East St. Louis, Ill. Combined trap, waste, and overflow. No. 903,569; Nov. 10; Sp. p. 2073; Gaz. vol. 137; p. 371.
- Heer, O., Zurich, Switzerland. Rolling-mill for the manufacture of pipes and other hollow bodies. No. 894,140; July 21; Sp. p. 3668; Dr. p. 758; Gaz. vol. 135; p. 638.
- Heerfordt, J. (See Giersing and Heerfordt.)
- Heermance, C. S., San Francisco, Cal. Water-color printing. No. 876,643; Jan. 14; Sp. p. 1984; Dr. p. 431; Gaz. vol. 132; p. 352.
- Heermans, T. W., Evanston, Ill. Power-driven elevator-engine. No. 877,713; Jan. 28; Sp. p. 4142; Dr. pp. 897-8; Gaz. vol. 132; p. 762.
- Heermans, T. W., Evanston, Ill. Combined power-transmission and automatic braking mechanism for motor-driven vehicles. No. 877,714; Jan. 28; Sp. p. 4147; Dr. pp. 898-9; Gaz. vol. 132; p. 762.
- Heermans, T. W., Evanston, Ill. Explosion-engine. No. 898,103; Sept. 8; Sp. p. 1780; Dr. pp. 378-9; Gaz. vol. 136; p. 311.
- Heeter, C. C., Butler, Pa. Well-packer. No. 904,202; Nov. 17; Sp. p. 3405; Gaz. vol. 137; p. 613.
- Heeter, C. M., Butler, Pa. Packer for deep wells. No. 882,213; Feb. 25; Sp. p. 4795; Dr. p. 1016; Gaz. vol. 132; p. 1714.
- Heeter, C. M., Butler, Pa. Jar for drilling wells. No. 881,923; Mar. 17; Sp. p. 2880; Dr. p. 614; Gaz. vol. 133; p. 532.
- Heeter, C. M., Butler, Pa. Deep-well packer. No. 891,065; June 16; Sp. p. 3812; Dr. p. 832; Gaz. vol. 134; p. 1727.
- Heeter, D. L., Pittsburg, Pa. Stuffing-box. No. 906,134; Dec. 8; Sp. p. 2003; Gaz. vol. 137; p. 1342.
- Heeter, H. C. (See Rhea, M. T., assignor.)
- Heffernan, J., Leominster, England. Harmonic musical instrument. No. 904,325; Nov. 17; Sp. p. 3685; Gaz. vol. 137; p. 655.
- Heffner, H. C., *et al.* (See Hutsler, C. W., assignor.)
- Heffner, M. A., near Arenzville, Ill. Gathering and loading fork. No. 885,618; Apr. 21; Sp. p. 3996; Dr. p. 835; Gaz. vol. 133; p. 1883.
- Heffner, W. F., Benton Harbor, Mich. Loose-leaf binder. No. 893,497; July 14; Sp. p. 2257; Dr. p. 474; Gaz. vol. 135; p. 396.
- Heimer, W. H., Richmond, Va. Stove. No. 887,251; May 12; Sp. p. 1814; Dr. p. 384; Gaz. vol. 134; p. 326.
- Hegarty, V., Dresden, Germany. Serving apparatus for postage-stamps, paper, and the like. No. 885,472; Apr. 21; Sp. p. 3697; Dr. p. 777; Gaz. vol. 133; p. 1840.
- Hegarty, V., Dresden, Germany. Ticket or stamp delivering receptacle. No. 904,428; Nov. 17; Sp. p. 3874; Gaz. vol. 137; p. 688.
- Hegeler, H. (See Klink, W., assignor.)
- Hegeman, B. A., Jr. (See Hillman, E. D., assignor.)
- Heggem, A. G., Coraopolis, assignor to Oil Well Supply Company, Pittsburg, Pa. Stuffing-box. No. 888,166; May 19; Sp. p. 3690; Dr. p. 769; Gaz. vol. 134; p. 658.
- Heggen, J., assignor to one-half to A. E. Christopherson, Seattle, Wash. Clothes-drier. No. 893,167; July 14; Sp. p. 1586; Dr. p. 336; Gaz. vol. 135; p. 288.
- Heggy, J. J., assignor, by mesne assignments, to La Crosse Steel Roofing & Corrugating Company, La Crosse, Wis. Machine for seaming and corrugating pipes. No. 886,975; May 5; Sp. p. 1266; Dr. pp. 267-8; Gaz. vol. 134; p. 210.
- Heginbottom, J., Philadelphia, Pa. Tuning-pin. No. 903,086; Nov. 3; Sp. p. 1112; Gaz. vol. 137; p. 181.
- Heginbottom, F. H. (See Heginbottom, S. H., F. H., and W. G.)
- Heginbottom, S. H., F. H., and W. G., Saginaw, Mich. Internal-combustion engine. No. 887,633; May 12; Sp. p. 2643; Dr. p. 557; Gaz. vol. 134; p. 455.
- Heginbottom, W. G. (See Heginbottom, S. H., F. H., and W. G.)
- Heiland, J., Minneapolis, Minn. Halter. No. 891,253; June 23; Sp. p. 4185; Dr. p. 916; Gaz. vol. 134; p. 1819.
- Hegy, G., Los Angeles, Cal. Cleaning compound. No. 881,859; Mar. 10; Sp. p. 2724; Gaz. vol. 133; p. 482.
- Hehr, J. G., Pittsburg, and C. Weber, Millvale, Pa. Beer-bottling machine. No. 895,266; Aug. 4; Sp. p. 996; Dr. pp. 208-9; Gaz. vol. 135; p. 1058.
- Heide, H. v. d., assignor to Wunner'sche Bitumenwerke G. M. B. H., Datteln, Germany. Manufacture of insulating materials. No. 903,287; Nov. 10; Sp. p. 1505; Gaz. vol. 137; p. 278.
- Heidecke, R., and O. Lellau, Neuhoof, near Fulda, Germany. Pump for mine-shafts. No. 904,870; Nov. 24; Sp. p. 4835; Gaz. vol. 137; p. 864.
- Heidenreich, C., Vohwinkel, near Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Blue azo dye. No. 891,931; June 30; Sp. p. 5592; Gaz. vol. 134; p. 2076.
- Heidenreich, C., Vohwinkel, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Para-aminoacetyl meta-toluidin. No. 902,150; Oct. 27; Sp. p. 4343; Gaz. vol. 136; p. 1845.
- Heidenreich, C., and E. Martz, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Gallocyanin dye. No. 895,635; Aug. 11; Sp. p. 1714; Gaz. vol. 135; p. 1202.
- Heil, A., assignor to H. Simons, München-Gladbach, Germany. Machine for cutting fabrics. No. 878,527; Feb. 11; Sp. p. 1350; Dr. p. 274; Gaz. vol. 132; p. 1091.

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 Heilbron, M., and J. W. Walker, New York, N. Y. Machine for opening letters. No. 895,087; Aug. 4; Sp. p. 621; Dr. pp. 128-9; Gaz. vol. 135; p. 997.
 Heilbrunn Söhne, K. (See Pape, W., assignor.)
 Heilbrunn, W., S. Blüth, and W. Pape, Berlin, Germany. Music-recorder. No. 884,580; Apr. 14; Sp. p. 1843; Dr. pp. 395-6; Gaz. vol. 133; p. 1517.
 Heile, C. D., Evanston, Ill. Wagon and truck pole support. No. 907,349; Dec. 22; Sp. p. 4332; Gaz. vol. 137; p. 1798.
 Heiliger, W. H., Brazil, Ind. Whip-lock. No. 899,695; Sept. 29; Sp. p. 4850; Dr. p. 1039; Gaz. vol. 136; p. 919.
 Heiliger, W. H., Brazil, Ind. Safety-envelop. No. 901,001; Oct. 13; Sp. p. 1978; Dr. p. 402; Gaz. vol. 136; p. 1406.
 Heiling, H., Daldrop, near Dülmen, Germany. Miner's cage. No. 887,193; May 12; Sp. p. 1678; Dr. p. 356; Gaz. vol. 134; p. 308.
 Heilprin, W. A., Philadelphia, Pa. Magazine-tube for air-guns. No. 906,420; Dec. 8; Sp. p. 2534; Gaz. vol. 137; p. 1436.
 Heim, C. A., Brownsville, Ind. Lacing-loop. No. 877,564; Jan. 28; Sp. p. 3866; Dr. p. 836; Gaz. vol. 132; p. 715.
 Heim, G., Newport News, Va. Coop and crate. No. 894,638; July 28; Sp. p. 4709; Dr. p. 977; Gaz. vol. 135; p. 821.
 Heim, J., Rutland, Iowa. Hog hanger and spreader. No. 902,655; Nov. 3; Sp. p. 241; Gaz. vol. 137; p. 41.
 Heimann, A. B., Coalinga, Cal. Pipe-wrench. No. 878,388; Feb. 4; Sp. p. 996; Dr. p. 201; Gaz. vol. 132; p. 1012.
 Heimann, A. B., Coalinga, Cal. Flue-scraper. No. 904,429; Nov. 17; Sp. p. 3876; Gaz. vol. 137; p. 689.
 Heimann, H., St. Louis, Mo., assignor to Heilmann-Miller Manufacturing Company. Cabinet. No. 896,017; Aug. 11; Sp. p. 2487; Dr. pp. 535-6; Gaz. vol. 135; p. 1325.
 Heilmann-Miller Manufacturing Company. (See Heimann, H., assignor.)
 Heimbürger, F. W., Huron, Ohio. Potato-harvester. No. 878,285; Feb. 4; Sp. p. 801; Dr. pp. 160-1; Gaz. vol. 132; p. 978.
 Heilmlicher, J., Defiance, Ohio. Bolster-stake. No. 884,923; Apr. 14; Sp. p. 2572; Dr. p. 541; Gaz. vol. 133; p. 1628.
 Heimsness, A. O., Fillmore, N. D. Whiffletree. No. 897,740; Sept. 1; Sp. p. 1006; Dr. p. 214; Gaz. vol. 136; p. 162.
 Heine, J. A. (See Merz and Heine.)
 Heine Safety Boiler Company. (See Stroope, J., assignor.)
 Heineman, C. E. and G. H., Attica, Ind. Pipe-ferrule. No. 880,302; Feb. 25; Sp. p. 4980; Dr. p. 1050; Gaz. vol. 132; p. 1744.
 Heineman, G., San Francisco, Cal. Trolley-brush. No. 878,062; Feb. 4; Sp. p. 343; Dr. p. 71; Gaz. vol. 132; p. 904.
 Heineman, G. H. (See Heineman, C. E. and G. H.)
 Heilmann, K., assignor to Deutsche Waffen-und Munitionsfabriken, Berlin, Germany. Trigger mechanism of machine-guns. No. 905,071; Nov. 24; Sp. p. 5205; Gaz. vol. 137; p. 929.
 Heinen, R., Springfield, Nebr. Track-rail. No. 888,167; May 19; Sp. p. 3691; Dr. pp. 769-70; Gaz. vol. 134; p. 659.
 Heinersdorf, G., New York, N. Y. Sales-check. No. 886,976; May 5; Sp. p. 1269; Dr. p. 268; Gaz. vol. 134; p. 211.
 Heiney, T., Nazareth, Pa. Rail-joint. No. 907,048; Dec. 15; Sp. p. 3711; Gaz. vol. 137; p. 1661.
 Heiney, W. M., Huntington, Ind. Conveyor. No. 898,408; Sept. 8; Sp. p. 2344; Dr. pp. 497-8; Gaz. vol. 136; p. 407.
 Heintz, W. R., assignor to Firm of Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Cash-register. No. 905,072; Nov. 24; Sp. p. 5208; Gaz. vol. 137; p. 930.
 Heintz, R., Allegheny, Pa. Sash-lock. No. 884,581; Apr. 14; Sp. p. 1844; Dr. p. 396; Gaz. vol. 133; p. 1517.
 Heintz, G. (See Bragdon, H. J., assignor.)
 Heinrich, C. E., Lexington, Ky. Miter-gage. No. 895,560; Aug. 11; Sp. p. 1577; Dr. p. 333; Gaz. vol. 135; p. 1178.
 Heinrich, G. R. (See Schonlau and Heinrich.)
 Heinrich, S. J., Bellevue, assignor to American Electric Alarm Company, Pittsburg, Pa. Annunciator. No. 883,539; Mar. 31; Sp. p. 6111; Dr. p. 1300; Gaz. vol. 133; p. 1121.
 Heinrich, W., Halle-on-the-Saale, Germany. Stable solution of hydrogen peroxid and making same. No. 876,179; Jan. 7; Sp. p. 958; Gaz. vol. 132; p. 163.
 Heintz, J. C., and J. W. McCuen, assignors of one-third to R. H. Johns, Baltimore, Md. Incandescent vapor-burner. No. 888,707; May 26; Sp. p. 4785; Dr. p. 1019; Gaz. vol. 134; p. 869.
 Heintz, E. L., Coffeyville, Kans. Glass machine and process. No. 908,259; Dec. 29; Sp. p. 6272; Gaz. vol. 137; p. 2130.
 Heintz, H., Elkton, S. D. Letter-holder. No. 890,511; June 9; Sp. p. 2642; Dr. p. 584; Gaz. vol. 134; p. 1511.
 Heintz, J. A., Menomonic, Wis. Sleigh-knee. No. 888,168; May 19; Sp. p. 3693; Dr. p. 770; Gaz. vol. 134; p. 659.
 Heintz, J. P. E., assignor to Manabran Laxative Disccuit Company, Chicago, Ill. Biscuit. No. 906,709; Dec. 15; Sp. p. 3074; Gaz. vol. 137; p. 1554.
 Heintz, K., Munich, Germany. Primary battery. No. 901,445; Oct. 20; Sp. p. 2901; Dr. p. 591; Gaz. vol. 136; p. 1586.
 Heintz, L. I., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Metallic door. No. 899,164; Sept. 22; Sp. p. 3804; Dr. p. 814; Gaz. vol. 136; p. 713.
 Heinz, C., Görlitz, Germany. Gas-generator. No. 875,813; Jan. 7; Sp. p. 260; Dr. p. 56; Gaz. vol. 132; p. 48.
 Heinz, N. L., La Salle, Ill. Regenerative furnace. No. 887,194; May 12; Sp. p. 1679; Dr. pp. 356-7; Gaz. vol. 134; p. 308.
 Heinz, N. L., La Salle, Ill. Recuperative spelter-furnace. No. 898,409; Sept. 8; Sp. p. 2345; Dr. p. 498; Gaz. vol. 136; p. 408.
 Heinz, N. L., La Salle, Ill. Recuperative furnace. No. 898,410; Sept. 8; Sp. p. 2347; Dr. p. 499; Gaz. vol. 136; p. 408.
 Heinz, N. L., La Salle, Ill., and M. F. Chase, Mineral Point, Wis. Manufacture of sulfuric acid. No. 875,909; Jan. 7; Sp. p. 443; Dr. p. 98; Gaz. vol. 132; p. 80.
 Heinze, J. O., Jr., Lowell, Mass. Induction-coil. No. 882,198; Mar. 17; Sp. p. 3429; Dr. p. 729; Gaz. vol. 133; p. 620.
 Heinze, J. O., Jr., Lowell, Mass. Spark-coil. No. 888,611; May 26; Sp. p. 4590; Dr. p. 973; Gaz. vol. 134; p. 838.
 Heinze, J. O., Jr., Lowell, Mass. Reversing timer and distributor. No. 889,305; June 2; Sp. p. 219; Dr. p. 55; Gaz. vol. 134; p. 1093.
 Heinze, R. H., Kellogg, Minn. Cultivator. No. 897,365; Sept. 1; Sp. p. 253; Dr. p. 52; Gaz. vol. 136; p. 38.
 Heinzelman, J. C., Leeds, N. D. Axle. No. 905,699; Dec. 1; Sp. p. 1164; Gaz. vol. 137; p. 1172.
 Heinzen, J. (See Bauer, M. K., assignor.)
 Heironimus, W. R., Evansville, Ind. Slack-adjuster for air-brakes. No. 903,378; Nov. 10; Sp. p. 1676; Gaz. vol. 137; p. 307.
 Heironimus, W. R., Evansville, Ind. Air-brake. No. 903,379; Nov. 10; Sp. p. 1678; Gaz. vol. 137; p. 307.
 Heise, O., Fischer Store, Tex. Serving-tray. No. 890,646; June 16; Sp. p. 2949; Dr. pp. 645-6; Gaz. vol. 134; p. 1589.
 Heiser, L., New Haven, Mich. Beet-harvester. No. 894,001; July 21; Sp. p. 3389; Dr. p. 693; Gaz. vol. 135; p. 592.
 Heisey, A. H., Idlewood, Pa. Door arrangement for glass-leers. No. 891,693; June 23; Sp. p. 5109; Dr. p. 1102; Gaz. vol. 134; p. 1965.
 Heisler, C. L., St. Marys, Ohio. Churn. No. 887,800; May 19; Sp. p. 2984; Dr. p. 627; Gaz. vol. 134; p. 541.
 Heissenberger, J. (See Reid and Heissenberger.)
 Heissenberger, J., assignor to Automatic Utilities Company, New York, N. Y. Self-measuring tank. No. 879,263; Feb. 18; Sp. p. 2806; Dr. p. 588; Gaz. vol. 132; p. 1370.
 Heissenberger, J., assignor to Automatic Utilities Company, New York, N. Y. Safety-razor. No. 879,264; Feb. 18; Sp. p. 2808; Dr. p. 589; Gaz. vol. 132; p. 1370.
 Heissenberger, J., assignor to Automatic Utilities Company, New York, N. Y. Safety-razor. No. 880,735; Mar. 3; Sp. p. 497; Dr. p. 103; Gaz. vol. 133; p. 86.
 Heitger Carburetter Company. (See Heitger, F. H., assignor.)
 Heitger, F. H., Indianapolis, Ind. Carbureter. No. 900,098; Oct. 6; Sp. p. 46; Dr. p. 9; Gaz. vol. 136; p. 1082.
 Heitger, F. H., assignor to Speed Changing Pulley Company, Indianapolis, Ind. Carbureter. No. 898,361; Sept. 8; Sp. p. 2255; Dr. p. 480; Gaz. vol. 136; p. 391.
 Heitger, F. H., assignor to Speed Changing Pulley Company, Indianapolis, Ind. Carbureter. No. 899,109; Sept. 22; Sp. p. 3681; Dr. p. 789; Gaz. vol. 136; p. 695.
 Heitger, F. H., Indianapolis, Ind., assignor to Heitger Carburetter Company. Carbureter. No. 900,731; Oct. 13; Sp. p. 1411; Dr. p. 287; Gaz. vol. 136; p. 1317.
 Heithersay, J. S., Adelaide, South Australia, Australia. Mechanical perpetual calendar. No. 877,335; Jan. 21; Sp. p. 3392; Dr. p. 735; Gaz. vol. 132; p. 619.
 Heitman, A. H. C., Detroit, Mich. Syringe. No. 901,100; Oct. 13; Sp. p. 2165; Dr. p. 440; Gaz. vol. 136; p. 1435.
 Heitzler, F., Denver, Colo. Telescope for surveying instruments. No. 891,773; June 23; Sp. p. 5254; Dr. pp. 1138-9; Gaz. vol. 134; p. 1992.
 Heitzman, J. G. and O. B., Fort Madison, Iowa. Filter. No. 891,337; June 23; Sp. p. 4367; Dr. p. 951; Gaz. vol. 134; p. 1847.
 Heitzman, O. B. (See Heitzman, J. G. and O. B.)
 Heitzmann, J., Strassburg, assignor to V. Haehl & Cie., Strassburg-Ruprechtsau, Alsace, Germany. Heating or cooling apparatus. No. 888,169; May 19; Sp. p. 3695; Dr. p. 770; Gaz. vol. 134; p. 659.
 Hektograph Co. (See Steel, J., assignor.)
 Helander, A. H., assignor to Mesta Machine Company, Pittsburg, Pa. Barometric condenser. No. 887,634; May 12; Sp. p. 2646; Dr. pp. 557-8; Gaz. vol. 134; p. 456.
 Helander, A. H., assignor to Mesta Machine Company, Pittsburg, Pa. Barometric condenser. No. 908,405; Dec. 29; Sp. p. 6579; Gaz. vol. 137; p. 2181.
 Helander, H. A. B., St. Louis, Mo. Gas-burner. No. 883,196; Mar. 31; Sp. p. 5392; Dr. p. 1148; Gaz. vol. 133; p. 1011.
 Helberger, H., Munich, Germany. Electric chain-welding machine. No. 875,910; Jan. 7; Sp. p. 445; Dr. p. 98; Gaz. vol. 132; p. 80.

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- Helbig, D., Rome, Italy. Apparatus for electric oxidizing of atmospheric nitrogen. No. 887,476; May 12; Sp. p. 2340; Dr. p. 489; Gaz. vol. 134; p. 403.
- Helbig, O. W., assignor to Otto W. Helbig Company, Chicago, Ill. Card-index file. No. 902,541; Oct. 27; Sp. p. 5210; Dr. pp. 1052-3; Gaz. vol. 136; p. 1975.
- Helbling, A. F., Philadelphia, Pa. Locomotive-boiler. No. 881,072; Mar. 3; Sp. p. 1161; Dr. p. 251; Gaz. vol. 133; p. 197.
- Held, F. G., Kenyon, Minn. Litter-carrier. No. 906,798; Dec. 15; Sp. p. 3245; Gaz. vol. 137; p. 1582.
- Held, H. H., Menasha, Wis. Water-motor. No. 900,535; Oct. 6; Sp. p. 997; Dr. p. 203; Gaz. vol. 136; p. 1225.
- Held, R., Randolph, Mo. Oil-grate. No. 882,634; Mar. 24; Sp. p. 4264; Dr. p. 903; Gaz. vol. 133; p. 797.
- Helderman, E., assignor of one-half to J. Cummins, Bruceville, Ind. Scissors and shears. No. 903,087; Nov. 3; Sp. p. 1114; Gaz. vol. 137; p. 182.
- Hele-Shaw, H. S., London, England. Vehicle. No. 880,526; Mar. 3; Sp. p. 62; Dr. pp. 14-16; Gaz. vol. 133; p. 14.
- Helgeson, J. O., Decorah, Iowa. Draft-equalizer. No. 889,006; May 26; Sp. p. 5409; Dr. p. 1149; Gaz. vol. 134; p. 965.
- Helgerson, T. O., Minneapolis, assignor of one-half to Fosston Manufacturing Co., St. Paul, Minn. Fanning-mill. No. 877,336; Jan. 21; Sp. p. 3394; Dr. pp. 735-6; Gaz. vol. 132; p. 619.
- Heller, I., assignor to Wolf, Sayer & Heller, Chicago, Ill. Slicing-machine. No. 894,829; Aug. 4; Sp. p. 59; Dr. p. 12; Gaz. vol. 135; p. 910.
- Heller, P. S. (See Kline and Heller.)
- Heller, S. D., Findlay, Ohio. Crate. No. 907,233; Dec. 22; Sp. p. 4117; Gaz. vol. 137; p. 1758.
- Hellman, H., and L. C. Bayles, Johannesburg, Transvaal. Water-supplying attachment for rock-drills. No. 881,579; Mar. 10; Sp. p. 2160; Dr. p. 471; Gaz. vol. 133; p. 392.
- Hellman, H., and L. C. Bayles, Johannesburg, Transvaal. Rock-drilling machine. No. 887,801; May 19; Sp. p. 2987; Dr. p. 627; Gaz. vol. 134; p. 541.
- Hellman, H., and L. C. Bayles, Johannesburg, Transvaal. Rock-drilling machine or engine. No. 888,497; May 26; Sp. p. 4347; Dr. p. 920; Gaz. vol. 134; p. 797.
- Hellstrom, C. G., Hartford, Conn. Toy. No. 899,866; Sept. 29; Sp. p. 5233; Dr. p. 1118; Gaz. vol. 136; p. 978.
- Hellstroist, K., Trier, Germany. Sewing-machine for overedge-stitching. No. 887,477; May 12; Sp. p. 2342; Dr. pp. 490-3; Gaz. vol. 134; p. 404.
- Hellwig, A., Belchatow, Russia. Apparatus for stirring and filtering mash. No. 897,205; Aug. 25; Sp. p. 4883; Dr. p. 1040; Gaz. vol. 135; p. 1757.
- Hellwig, T. L. A., Brooklyn, N. Y. Window-screen. No. 908,260; Dec. 29; Sp. p. 6274; Gaz. vol. 137; p. 2130.
- Helm, C. D., Fort Worth, Tex. Lubricator for eccentrics. No. 885,046; Apr. 21; Sp. p. 2823; Dr. p. 597; Gaz. vol. 133; p. 1701.
- Helm, C. J. (See Helm, F. and C. J.)
- Helm, F. and C. J., Traverse City, Mich., assignors to E. G. Siggers, Washington, D. C. Post and tile mold. No. 892,592; July 7; Sp. p. 380; Dr. p. 84; Gaz. vol. 135; p. 70.
- Helm, H. C. (See Salter, C. F., assignor.)
- Helm, Hunt, Ferris & Co. (See Ferris, H. L., assignor.)
- Helm, L. P., Baraboo, Wis. Veterinary tooth-file. No. 889,462; June 2; Sp. p. 551; Dr. p. 130; Gaz. vol. 134; p. 1145.
- Helmndorf, W. F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 890,358; June 9; Sp. p. 2361; Dr. p. 521; Gaz. vol. 134; p. 1462.
- Helmndorf, W. F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 897,366; Sept. 1; Sp. p. 255; Dr. p. 52; Gaz. vol. 136; p. 38.
- Helmndorf, W. F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 904,430; Nov. 17; Sp. p. 3877; Gaz. vol. 137; p. 689.
- Helms, I. D. (See Blackwell, D. N., assignor.)
- Helms, R. C., assignor of one-half to H. A. Pearce, Dothan, Ala. Millstone-dressing machine. No. 886,502; May 5; Sp. p. 321; Dr. p. 66; Gaz. vol. 134; p. 59.
- Helmshmidt, C. V., Meriden, Conn. Illuminated flower-pot. No. 884,924; Apr. 14; Sp. p. 2574; Dr. p. 541; Gaz. vol. 133; p. 1629.
- Helsabeck, J. A., Ether, N. C. Lamp-burner. No. 878,063; Feb. 4; Sp. p. 344; Dr. p. 72; Gaz. vol. 132; p. 904.
- Helwig, G. O., Dawson, Minn. Card-door. No. 881,798; Mar. 10; Sp. p. 2586; Dr. pp. 555-6; Gaz. vol. 133; p. 461.
- Helwig, A. L., Paris, France. Water-purifying and like apparatus. No. 902,401; Oct. 27; Sp. p. 4872; Dr. pp. 986-7; Gaz. vol. 136; p. 1926.
- Helwig, F. (See Marrero and Helwig.)
- Hem, E. (See Gaara and Hem.)
- Hemberg, A. M., Minneapolis, Minn. Grain-binder. No. 875,710; Jan. 7; Sp. p. 62; Dr. p. 13; Gaz. vol. 132; p. 14.
- Hemberger, T., St. Louis, Mo. Snare for drums or other musical instruments. No. 899,450; Sept. 22; Sp. p. 4336; Dr. p. 931; Gaz. vol. 136; p. 804.
- Hemberger, T., St. Louis, Mo. Musical drum. No. 899,488; Sept. 22; Sp. p. 4409; Dr. p. 946; Gaz. vol. 136; p. 817.
- Hembree, E. M., Roswell, assignor of one-half to J. M. Pursley, Marietta, Ga. Door-securer. No. 897,206; Aug. 25; Sp. p. 4885; Dr. p. 1040; Gaz. vol. 135; p. 1757.
- Hembree, J. B., Piedmont, S. C. Vehicle-wheel. No. 895,561; Aug. 11; Sp. p. 1579; Dr. p. 334; Gaz. vol. 135; p. 1179.
- Hemenway, C. V., and L. F. Kirk, Pocantico Hills, N. Y. Leaf-burning cart. No. 876,180; Jan. 7; Sp. p. 958; Dr. pp. 206-7; Gaz. vol. 132; p. 163.
- Hemleb, M., Elizabeth, N. J., assignor to Singer Manufacturing Company. Hemstitch sewing-machine. No. 883,879; Apr. 7; Sp. p. 424; Dr. p. 84; Gaz. vol. 133; p. 1258.
- Hemmick, H. O., Pittsburg, Pa. Crate for sheet-glass. No. 904,694; Nov. 24; Sp. p. 4441; Gaz. vol. 137; p. 805.
- Hemming Brothers. (See Potter, E., assignor.)
- Hempen, J. H., Alexandria, La. Seed-cleaner. No. 898,883; Sept. 15; Sp. p. 3265; Dr. p. 699; Gaz. vol. 136; p. 594.
- Hemphill, A. L., Marion, assignor of one-half to A. Harmon, Indianapolis, Ind. Card-making machine. No. 902,488; Oct. 27; Sp. p. 5078; Dr. pp. 1028-9; Gaz. vol. 136; p. 1956.
- Hemphill, J. D., Pawtucket, R. I., assignor to Mayo Knitting Machine and Needle Company, Franklin Falls, N. H. Feeding device for knitting-machines. No. 892,663; July 7; Sp. p. 527; Dr. p. 112; Gaz. vol. 135; p. 93.
- Hemslay, J. A., Trenton, N. J. Tire-bolting machine. No. 891,338; June 23; Sp. p. 4369; Dr. p. 951; Gaz. vol. 134; p. 1847.
- Hemsteger, E. A., Chicago, Ill. Nut-lock. No. 901,810; Oct. 20; Sp. p. 3665; Dr. p. 743; Gaz. vol. 136; p. 1705.
- Hénard, A. E. (See Delloye and Hénard.)
- Henbert Silk Company. (See Rosendale, R., assignor.)
- Hendee, E. T. (See Matheus and Hendee.)
- Hendeshot, D., Cumberland, Md. Baling-press. No. 887,635; May 12; Sp. p. 2647; Dr. p. 558; Gaz. vol. 134; p. 456.
- Hendeshot, E. E., and G. Appgar, Lebanon, N. J. Means for attaching points to tools. No. 895,370; Aug. 4; Sp. p. 1186; Dr. p. 249; Gaz. vol. 135; p. 1092.
- Henderson, A., Philadelphia, Pa. Puzzle. No. 887,636; May 12; Sp. p. 2649; Dr. p. 558; Gaz. vol. 134; p. 456.
- Henderson, C. B., Rainier, Ore. Plow. No. 904,326; Nov. 17; Sp. p. 3690; Gaz. vol. 137; p. 655.
- Henderson, C. L., Brashear, Mo. Flue-thimble. No. 890,140; June 9; Sp. p. 1893; Dr. p. 420; Gaz. vol. 134; p. 1392.
- Henderson, C. T., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Multiple-series relay-controller. No. 890,979; June 16; Sp. p. 3657; Dr. p. 707; Gaz. vol. 134; p. 1699.
- Henderson, C. T., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Motor-controlling system. No. 903,288; Nov. 10; Sp. p. 1506; Gaz. vol. 137; p. 278.
- Henderson, E. L., assignor to Kemper-Thomas Company, Norwood, Ohio. Suit-hanger. No. 901,002; Oct. 13; Sp. p. 1979; Dr. p. 402; Gaz. vol. 136; p. 1406.
- Henderson, H., New York, N. Y. Mold-ramming apparatus. No. 876,054; Jan. 7; Sp. p. 706; Dr. pp. 151-2; Gaz. vol. 132; p. 122.
- Henderson, H. A., Lynn, Mass. Hinged last. No. 890,512; June 9; Sp. p. 2642; Dr. p. 584; Gaz. vol. 134; p. 1511.
- Henderson, H. C., Pittsburg, Pa. Couch. No. 904,327; Nov. 17; Sp. p. 3692; Gaz. vol. 137; p. 656.
- Henderson, I. W., Oak Park, Ill. Number-display device for automobiles. No. 907,497; Dec. 22; Sp. p. 4643; Gaz. vol. 137; p. 1848.
- Henderson, J. (See Kiernan, P., assignor.)
- Henderson, J., assignor to Sheffield Car Company, Three Rivers, Mich. Stand-pipe. No. 878,462; Feb. 4; Sp. p. 1138; Dr. p. 233; Gaz. vol. 132; p. 1035.
- Henderson, J., assignor to Sheffield Car Co., Three Rivers, Mich. Flexible pipe-coupling. No. 904,534; Nov. 24; Sp. p. 4116; Gaz. vol. 137; p. 750.
- Henderson, J. C., Oakland, Cal. Manufacture of artificial stone. No. 886,124; Apr. 28; Sp. p. 5067; Gaz. vol. 133; p. 2080.
- Henderson, M. M., assignor to Carter & Holmes, Chicago, Ill. Waistcoat. No. 891,932; June 30; Sp. p. 5593; Dr. p. 1205; Gaz. vol. 134; p. 2076.
- Henderson, R., Washington, D. C. Circuit-closer for call-bells. No. 898,104; Sept. 8; Sp. p. 1785; Dr. p. 379; Gaz. vol. 136; p. 312.
- Henderson, R. I., Cairo, W. Va. Belt-stretcher. No. 892,959; July 7; Sp. p. 1142; Dr. p. 240; Gaz. vol. 135; p. 191.
- Henderson, R. T. (See Piper, H. H., assignor.)

Alphabetical list of patentees—Continued.

- Henderson, T. D. (See Cotton and Henderson.)
- Henderson, W. D., Chicago, Ill., assignor to Whitehead & Hoag Company, Newark, N. J. Culinary supply-card. No. 888,708; May 26; Sp. p. 4788; Dr. p. 1020; Gaz. vol. 134; p. 869.
- Henderson, W. J. (See Barnard, G. F., assignor.)
- Henderson, W. J., Memphis, Tenn. Level. No. 908,406; Dec. 29; Sp. p. 6581; Gaz. vol. 137; p. 2181.
- Henderson, W. M., Steelton, Pa. Adjustable connecting-bar for switch-points. No. 887,802; May 19; Sp. p. 2991; Dr. p. 628; Gaz. vol. 134; p. 542.
- Henderson, W. M., Steelton, Pa. Movable-point crossing. No. 898,644; Sept. 15; Sp. p. 2837; Dr. pp. 605-6; Gaz. vol. 136; p. 517.
- Henderson, W. M., Steelton, Pa. Movable-point crossing. No. 898,645; Sept. 15; Sp. p. 2838; Dr. p. 606; Gaz. vol. 136; p. 517.
- Henderson, W. M., Steelton, Pa. Heel-block for railway-frogs and the like. No. 898,646; Sept. 15; Sp. p. 2839; Dr. p. 606; Gaz. vol. 136; p. 517.
- Henderson, W. M., High Spire, assignor to Pennsylvania Steel Company, Philadelphia, Pa. Movable-point crossing. No. 903,974; Nov. 17; Sp. p. 2924; Gaz. vol. 137; p. 534.
- Henderson, W. R. (See Rodgers and Henderson.)
- Henderson, W. W., assignor of one-half to H. A. Thrift and W. Hinds, Washington, D. C. Fluid-clutch. No. 879,045; Feb. 11; Sp. p. 2359; Dr. p. 494; Gaz. vol. 132; p. 1257.
- Hendrick, H. C., Lawrence, Mich. Potato-harvester. No. 884,386; Apr. 14; Sp. p. 1457; Dr. pp. 310-11; Gaz. vol. 133; p. 1454.
- Hendrick, W., assignor to C. Gay, New Haven, Conn. Chaplet and shrine of the holy rosary. No. 899,977; Sept. 29; Sp. p. 5456; Dr. pp. 1163-4; Gaz. vol. 136; p. 1012.
- Hendricks, A., Grand Rapids, Mich. Caster for adding-machine stands. No. 894,949; Aug. 4; Sp. p. 346; Dr. p. 70; Gaz. vol. 135; p. 951.
- Hendricks, A., Grand Rapids, Mich. Adding-machine stand. No. 897,367; Sept. 1; Sp. p. 258; Dr. p. 53; Gaz. vol. 136; p. 39.
- Hendricks, G. W., Little Rock, Ark. Music-leaf turner. No. 890,768; June 16; Sp. p. 3212; Dr. p. 702; Gaz. vol. 134; p. 1630.
- Hendricks, M., Benwood, W. Va. Car-wheel. No. 878,951; Feb. 11; Sp. p. 2193; Dr. p. 459; Gaz. vol. 132; p. 1228.
- Hendrickson, F., Three Forks, British Columbia, Canada. Gun-sight. No. 890,980; June 16; Sp. p. 3659; Dr. p. 797; Gaz. vol. 134; p. 1699.
- Hendrickson, H. M., Granville, N. D. Gearing for steam-engines. No. 877,079; Jan. 21; Sp. p. 2865; Dr. pp. 618-19; Gaz. vol. 132; p. 534.
- Hendrickson, H. R., Soudan, Minn. Pliers. No. 907,147; Dec. 22; Sp. p. 3926; Gaz. vol. 137; p. 1729.
- Hendrickson, J. C., Philadelphia, Pa. Combined register backing and damper. No. 884,088; Apr. 7; Sp. p. 851; Dr. p. 179; Gaz. vol. 133; p. 1328.
- Hendrickson, J. G. (See Clamer and Hendrickson.) (Reissue.)
- Hendrickson, J. R., Sunny Slope, Alberta, Canada. Mail-deliverer. No. 906,227; Dec. 8; Sp. p. 2192; Gaz. vol. 137; p. 1375.
- Hendrickson, T. M., Lees Summit, Mo. Roost. No. 908,261; Dec. 29; Sp. p. 6275; Gaz. vol. 137; p. 2130.
- Hendrix, J. P., Glencoe, Ky. Mail-bag catcher. No. 887,394; May 12; Sp. p. 2187; Dr. p. 457; Gaz. vol. 134; p. 377.
- Hendrix, W. C., et al. (See Hollingsworth, R. L., assignor.)
- Hendron, J. M., Los Angeles, Cal. Machine for opening trenches in paved streets. No. 894,269; July 28; Sp. p. 3970; Dr. pp. 818-19; Gaz. vol. 135; p. 701.
- Hendry, T. W., San Francisco, Cal. Internal-combustion engine. No. 899,216; Sept. 22; Sp. p. 3901; Dr. p. 833; Gaz. vol. 136; p. 730.
- Hendryx, W. A., Denver, Colo. Apparatus for treating ores. No. 889,128; May 26; Sp. p. 5657; Dr. p. 1198; Gaz. vol. 134; p. 1005.
- Hendryx, W. A., Denver, Colo. Treating ores. No. 889,129; May 26; Sp. p. 5659; Gaz. vol. 134; p. 1005.
- Hendryx, W. A., Denver, Colo. Apparatus for treating liquids. No. 889,130; May 26; Sp. p. 5660; Dr. p. 1198; Gaz. vol. 134; p. 1005.
- Hendryx, W. A., Denver, Colo. Filtering and decanting apparatus. No. 889,131; May 26; Sp. p. 5662; Dr. p. 1199; Gaz. vol. 134; p. 1006.
- Hendryx, W. A., Denver, Colo. Treating sulfid ores. No. 893,580; July 14; Sp. p. 2443; Gaz. vol. 135; p. 422.
- Hendryx, W. A., Denver, Colo. Recovering metal values from solutions. No. 893,581; July 14; Sp. p. 2444; Dr. p. 508; Gaz. vol. 135; p. 422.
- Hendryx, W. A., Denver, Colo. Combination agitator and decanting filter. No. 899,489; Sept. 22; Sp. p. 4411; Dr. pp. 946-7; Gaz. vol. 136; p. 817.
- Hendryx, W. A., Denver, Colo., assignor of one-half to C. Butters, Berkeley and San Francisco, Cal. Filtering apparatus. No. 885,047; Apr. 21; Sp. p. 2824; Dr. p. 597; Gaz. vol. 133; p. 1701.
- Henesey, M. H., Syracuse, N. Y. Valve-operating mechanism. No. 898,472; Sept. 15; Sp. p. 2489; Dr. p. 532; Gaz. vol. 136; p. 461.
- Hengerer, K., Stuttgart, Germany. Artificial lumber. No. 888,399; May 19; Sp. p. 4120; Dr. p. 869; Gaz. vol. 134; p. 734.
- Hengst, G. W. (See Eastwood, A. S., assignor.)
- Hengstler, J., Aldingen, Germany. Combined roll-shutter and life-saving ladder. No. 905,529; Dec. 1; Sp. p. 854; Gaz. vol. 137; p. 1119.
- Henius, A., Providence, R. I. Diamond cutting and polishing machine. No. 906,018; Dec. 8; Sp. p. 1781; Gaz. vol. 137; p. 1306.
- Henius, M., Chicago, Ill. Brew-house equipment. No. 878,136; Feb. 4; Sp. p. 479; Dr. pp. 102-3; Gaz. vol. 132; p. 927.
- Henke, C., Witten, Germany. Protector against skidding. No. 877,769; Jan. 28; Sp. p. 4247; Dr. p. 922; Gaz. vol. 132; p. 780.
- Henke, C. W. (See Flecksing, Kercher, and Henke.)
- Henke, K., Gross Burgwedel, near Hanover, Germany. Potato-digger. No. 896,109; Aug. 18; Sp. p. 2657; Dr. p. 573; Gaz. vol. 135; p. 1377.
- Henke, R., et al. (See Lang, F., assignor.)
- Henky, J., New York, N. Y. Lock. No. 900,536; Oct. 6; Sp. p. 999; Dr. p. 203; Gaz. vol. 136; p. 1226.
- Henley, E. (See Cunningham and Henley.)
- Henley, W. M., Bradley, Ala. Stirrup-leather. No. 889,604; June 2; Sp. p. 815; Dr. p. 186; Gaz. vol. 134; p. 1190.
- Henn, C. F., and D. Farquhar, assignors to Buffalo Steam Roller Company, Buffalo, N. Y. Scraper for road-rollers. No. 905,073; Nov. 24; Sp. p. 5210; Gaz. vol. 137; p. 930.
- Henn, E. C. (See Smith, O. A., assignor.)
- Henn, E. C., assignor to National-Acme Manufacturing Company, Cleveland, Ohio. Self-opening die. No. 895,636; Aug. 11; Sp. p. 1714; Dr. p. 364; Gaz. vol. 135; p. 1202.
- Henn, E. C., assignor to National-Acme Manufacturing Company, Cleveland, Ohio. Screw-slotting machine. No. 896,537; Aug. 18; Sp. p. 3506; Dr. p. 753; Gaz. vol. 135; p. 1516.
- Henn, H., Berlin, Germany, assignor, by mesne assignments, to American Thermos Bottle Company, Brooklyn, N. Y. Vessel with double walls and protective case. No. 884,582; Apr. 14; Sp. p. 1845; Dr. p. 396; Gaz. vol. 133; p. 1517.
- Henne, R. F., Mamaroneck, N. Y. Trolley-wheel. No. 889,463; June 2; Sp. p. 553; Dr. p. 130; Gaz. vol. 134; p. 1146.
- Hennebelle, F., Chicago, Ill. Packing. No. 907,597; Dec. 22; Sp. p. 4850; Gaz. vol. 137; p. 1880.
- Hennemann, J. B., Bloomer, Wis. End-gate. No. 906,019; Dec. 8; Sp. p. 1784; Gaz. vol. 137; p. 1306.
- Henner, E., and L. Veilleux, New Bedford, Mass. Mail-bag catching and delivering mechanism. No. 894,639; July 28; Sp. p. 4711; Dr. p. 978; Gaz. vol. 135; p. 822.
- Hennermann, F., Van Wert, Ohio. Display-rack. No. 900,014; Sept. 29; Sp. p. 5542; Dr. p. 1181; Gaz. vol. 136; p. 1025.
- Hennessey, J. H., Washington, D. C. Making inking-rollers. No. 905,182; Dec. 1; Sp. p. 117; Gaz. vol. 137; p. 1002.
- Hennessey, J. J., Milwaukee, Wis. Car-frame construction. No. 876,644; Jan. 14; Sp. p. 1986; Dr. p. 432; Gaz. vol. 132; p. 352.
- Hennessey, J. W., et al. (See Smith, G. A., assignor.)
- Hennessey, J. B., New York, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 885,619; Apr. 21; Sp. p. 3998; Dr. pp. 835-6; Gaz. vol. 133; p. 1884.
- Hennig, C., Leipzig-Sellerhausen, assignor to H. Schneider, Aktiengesellschaft, Leipzig-Paunsdorf, Germany. Wickless burner for liquid combustibles. No. 896,110; Aug. 18; Sp. p. 2658; Dr. p. 573; Gaz. vol. 135; p. 1377.
- Hennig, H., Paterson, N. J. Dyeing, washing, and stripping machine. No. 901,003; Oct. 13; Sp. p. 1980; Dr. pp. 402-3; Gaz. vol. 136; p. 1406.
- Hennig, H., Paterson, N. J. Dyeing, washing, and stripping machine. No. 901,004; Oct. 13; Sp. p. 1984; Dr. pp. 403-4; Gaz. vol. 136; p. 1406.
- Henning, C. E. (See Henning, T. C. E., and W. J.)
- Henning, G. W. (See Beeson, A. W., assignor.)
- Henning, T. C. E., and W. J., Pasadena, Cal. Gas-meter. No. 876,875; Jan. 14; Sp. p. 2408; Dr. pp. 524-5; Gaz. vol. 132; p. 425.
- Henning, W. J. (See Henning, T. C. E., and W. J.)
- Henninger, L. C. (See Jones, W., assignor.)
- Henniges, R. E., Cleveland, Ohio. Window-sash fastener. No. 880,214; Feb. 25; Sp. p. 4798; Dr. p. 1016; Gaz. vol. 132; p. 1714.
- Heno, H. C., and R. Greenleaf, Pittsfield, Mass. Circle-saw. No. 902,656; Nov. 3; Sp. p. 242; Gaz. vol. 137; p. 41.
- Henretta, C. M., Byesville, Ohio. Mine-car stop. No. 907,350; Dec. 22; Sp. p. 4333; Gaz. vol. 137; p. 1798.
- Henrich, C. W., assignor of two-thirds to C. H. Bredin and H. E. Kenny, Detroit, Mich. Graphophone-clock. No. 883,111; Mar. 24; Sp. p. 5194; Dr. pp. 1109-10; Gaz. vol. 133; p. 952.
- Henrich, H., assignor to J. R. Wood & Sons, New York, N. Y. Finger-ring-marking machine. No. 895,180; Aug. 4; Sp. p. 807; Dr. p. 168; Gaz. vol. 135; p. 1028.
- Henrich, P., assignor of one-half to A. Polson, Hoquiam, Wash. Berry-box. No. 884,820; Apr. 14; Sp. p. 2368; Dr. p. 498; Gaz. vol. 133; p. 1598.

Alphabetical list of patentees—Continued.

- Henrichs, H. R., Woodward, Okla. Breast-strap connection. No. 880,794; Mar. 3; Sp. p. 615; Dr. p. 130; Gaz. vol. 133; p. 106.
- Henrichsen, O., New York, N. Y. Amusement device. No. 893,922; July 21; Sp. p. 3217; Dr. p. 663; Gaz. vol. 135; p. 566.
- Henriksen, L. C., Los Angeles, Cal. Electrical instantaneous water-heater. No. 890,053; June 9; Sp. p. 1727; Dr. p. 383; Gaz. vol. 134; p. 1363.
- Henrikson, A. F., Troy, N. Y. Calipers and dividers. No. 888,498; May 26; Sp. p. 4349; Dr. p. 920; Gaz. vol. 134; p. 797.
- Henrikson, B., Chicago, Ill., and L. H. Wrangell, Milwaukee, Wis. Chin and shoulder rest for violins. No. 904,258; Nov. 17; Sp. p. 3530; Gaz. vol. 137; p. 631.
- Henrikson, E. (See Bullard and Henrikson.)
- Henry, A., Chicago, Ill. Gramophone. No. 902,579; Nov. 3; Sp. p. 95; Gaz. vol. 137; p. 16.
- Henry, B. V. and S., Lilesville, N. C. Cotton-chopper. No. 908,096; Dec. 29; Sp. p. 5918; Gaz. vol. 137; p. 2074.
- Henry Disston & Sons. (See King, E. A., assignor.)
- Henry, F. M., Minneapolis, Minn. Concrete-building-block wall. No. 877,996; Feb. 4; Sp. p. 195; Dr. p. 44; Gaz. vol. 132; p. 882.
- Henry, F. M., Minneapolis, Minn. Concrete-building-block wall. No. 877,997; Feb. 4; Sp. p. 197; Dr. p. 44; Gaz. vol. 132; p. 882.
- Henry, F. M., and J. M. Powers, Minneapolis, Minn. Nut-lock. No. 891,990; June 30; Sp. p. 5721; Dr. p. 1230; Gaz. vol. 134; p. 2095.
- Henry, G. E., Philadelphia, Pa. Eye-shield. No. 886,209; Apr. 28; Sp. p. 5207; Dr. p. 1097; Gaz. vol. 133; p. 2107.
- Henry, G. W., assignor of two-thirds to H. P. Childress and J. L. Lequin, New York, N. Y. Electromagnet. No. 904,871; Nov. 24; Sp. p. 4836; Gaz. vol. 137; p. 864.
- Henry, H. K. (See Goodhue and Henry.)
- Henry, H. K., Chicago, Ill., assignor to Underwood Typewriter Company, New York, N. Y. Tabulating attachment for type-writing machines. No. 892,050; June 30; Sp. p. 5826; Dr. pp. 1253-4; Gaz. vol. 134; p. 2113.
- Henry, H. W., assignor of one-half to W. H. Woolland, Cortland, N. Y. Egg-washing machine. No. 876,181; Jan. 7; Sp. p. 961; Dr. p. 207; Gaz. vol. 132; p. 164.
- Henry Holtzman & Sons Company. (See Holtzman, F. P., assignor.)
- Henry, J. (See Burley, I. E., assignor.)
- Henry, J. J., Greenview, Ill. Barrel. No. 876,801; Jan. 14; Sp. p. 2255; Dr. p. 496; Gaz. vol. 132; p. 400.
- Henry, J. L. (See Bryant, J. M., assignor.)
- Henry, J. L., Watsonville, Cal. Water-bicycle. No. 883,018; Mar. 24; Sp. p. 5022; Dr. p. 1068; Gaz. vol. 133; p. 922.
- Henry, M., Terre Haute, Ind. Scissors-sharpener. No. 883,019; Mar. 24; Sp. p. 5023; Dr. p. 1069; Gaz. vol. 133; p. 922.
- Henry, M. J., Oak Park, Ill. Pump. No. 878,389; Feb. 4; Sp. p. 998; Dr. p. 201; Gaz. vol. 132; p. 1012.
- Henry, P., Bradford, England. Dabbing-brush. No. 888,804; May 26; Sp. p. 4995; Dr. p. 1065; Gaz. vol. 134; p. 900.
- Henry R. Worthington. (See Nickel, F. F., assignor.)
- Henry, R., Forney, Tex. Cotton-chopper. No. 882,757; Mar. 24; Sp. p. 4504; Dr. p. 960; Gaz. vol. 133; p. 837.
- Henry, R., Blue Lake, Cal. Window-sash fastener. No. 903,975; Nov. 17; Sp. p. 2925; Gaz. vol. 137; p. 534.
- Henry, R. M., and W. Hester, Indianapolis, Ind.; said Hester assignor, by mesne assignments, to said Henry. Head and face steamer. No. 896,538; Aug. 18; Sp. p. 3507; Dr. p. 753; Gaz. vol. 135; p. 1516.
- Henry, R. S., Chattanooga, Tenn. Target-spotter. No. 890,647; June 16; Sp. p. 2950; Dr. p. 646; Gaz. vol. 134; p. 1589.
- Henry, S. (See De la Mar, J., assignor.)
- Henry, S. (See Henry, B. V. and S.)
- Henry & S. G. Lindeman. (See Thumler, R. K., assignor.)
- Henry S. Spackman Engineering Company. (See Spackman and Lazell, assignors.)
- Henry, T., Jamestown, Ind. Road-grader. No. 898,884; Sept. 15; Sp. p. 3268; Dr. p. 699; Gaz. vol. 136; p. 594.
- Henry W. Price Co. (See Newman, A., assignor.)
- Henry, W. L., Dallas, Tex. Cigar-case. No. 890,424; June 9; Sp. p. 2477; Dr. p. 548; Gaz. vol. 134; p. 1484.
- Henry Zimmermann & Co. (See Somborn, H., assignor.)
- Hensel, O. A., Pittsburg, Pa. Making shields or armor for pneumatic tires. No. 879,768; Feb. 18; Sp. p. 3852; Dr. p. 807; Gaz. vol. 132; p. 1534.
- Henshaw, W., Springfield, N. J. Flower-stake. No. 899,046; Sept. 22; Sp. p. 3565; Dr. p. 763; Gaz. vol. 136; p. 673.
- Hensley, C. P., and F. H. Bryant, assignors to National Furnace Company, San Francisco, Cal. Gas-furnace. No. 883,880; Apr. 7; Sp. p. 428; Dr. p. 84; Gaz. vol. 133; p. 1259.
- Hensley, G., Mount Pleasant township, Delaware county, Ind. Fruit-harvester. No. 906,626; Dec. 15; Sp. p. 2923; Gaz. vol. 137; p. 1528.
- Hensley, W. T., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 894,950; Aug. 4; Sp. p. 347; Dr. p. 70; Gaz. vol. 135; p. 951.
- Hensley, W. T., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator. No. 894,951; Aug. 4; Sp. p. 348; Dr. p. 70; Gaz. vol. 135; p. 951.
- Henson, W. M., Kansas City, Mo. Kitchen-cabinet. No. 880,885; Mar. 3; Sp. p. 821; Dr. p. 174; Gaz. vol. 133; p. 138.
- Henthorne, H., Newark, Ohio. Nut-lock. No. 885,996; Apr. 28; Sp. p. 4810; Dr. p. 1010; Gaz. vol. 133; p. 1226.
- Hentschel, W., Chicago, Ill. Steam-boiler furnace. No. 888,086; May 19; Sp. p. 3538; Dr. p. 739; Gaz. vol. 134; p. 633.
- Hentz, J. W., Baltimore, Md. Transfer. No. 904,778; Nov. 24; Sp. p. 4626; Gaz. vol. 137; p. 832.
- Hennis, M. P., assignor of one-half to E. Ball, Norfolk, Va. Steering-gear and axle for automobiles. No. 880,450; Feb. 25; Sp. p. 5278; Dr. p. 1110; Gaz. vol. 132; p. 1793.
- Hennis, M. P., and D. S. Clark, Norfolk, Va. Convertible railway-car. No. 888,437; May 19; Sp. p. 4223; Dr. p. 895; Gaz. vol. 134; p. 748.
- Henze, P., Lehe, Germany. Bathometer. No. 900,537; Oct. 6; Sp. p. 1001; Dr. p. 204; Gaz. vol. 136; p. 1226.
- Henzel, C. H., Allegheny, Pa. Air-mixer for gas-burners. No. 897,207; Aug. 25; Sp. p. 4886; Dr. p. 1041; Gaz. vol. 135; p. 1757.
- Henzel, J. G., Chicago, Ill. Fish-hook. No. 882,882; Mar. 24; Sp. p. 4766; Dr. p. 1014; Gaz. vol. 133; p. 877.
- Henzi, J., Salt Lake City, Utah. Amusement apparatus. No. 887,803; May 19; Sp. p. 2992; Dr. p. 628; Gaz. vol. 134; p. 542.
- Hepburn, L. L., assignor to Marlin Fire Arms Company, New Haven, Conn. Repeating firearm. No. 882,561; Mar. 24; Sp. p. 4113; Dr. pp. 872-3; Gaz. vol. 133; p. 772.
- Hepburn, L. L., assignor to Marlin Fire Arms Company, New Haven, Conn. Repeating firearm. No. 882,562; Mar. 24; Sp. p. 4117; Dr. p. 873; Gaz. vol. 133; p. 772.
- Hepburn, L. L., assignor to Marlin Firearms Company, New Haven, Conn. Repeating firearm. No. 882,563; Mar. 24; Sp. p. 4118; Dr. p. 873; Gaz. vol. 133; p. 773.
- Hepburn, L. L., assignor to Marlin Firearms Company, New Haven, Conn. Repeating firearm. No. 883,020; Mar. 24; Sp. p. 5025; Dr. p. 1069; Gaz. vol. 133; p. 922.
- Hepburn, L. L., assignor to Marlin Firearms Company, New Haven, Conn. Repeating firearm. (Reissue.) No. 12,823; July 7; Sp. p. 1169; Dr. p. 246; Gaz. vol. 135; p. 197.
- Hepburn, M., assignor to Marlin Firearms Company, New Haven, Conn. Repeating firearm. No. 888,329; May 19; Sp. p. 3980; Dr. p. 839; Gaz. vol. 134; p. 711.
- Hepp, J., Shively, Ky. Digger. No. 880,527; Mar. 3; Sp. p. 68; Dr. p. 16; Gaz. vol. 133; p. 15.
- Hepton, F., Woolwich, England. Billiard-table and the like. No. 902,151; Oct. 27; Sp. p. 4345; Dr. p. 880; Gaz. vol. 136; p. 1845.
- Hepworth, J. M., Milton, N. Y. Fruit-picker's belt. No. 892,991; July 14; Sp. p. 1241; Dr. p. 260; Gaz. vol. 135; p. 231.
- Hepworth, O. (See Turpin, C., assignor.)
- Heraeus, Firm of W. C. (See Haagn, E., assignor.)
- Heraeus, Firm of W. C. (See Kuch, R., assignor.)
- Herb, C. L. (See Salt and Herb.)
- Herbeck, F., Orange, Mass. Door latch and lock. No. 881,860; Mar. 10; Sp. p. 2725; Dr. pp. 583-4; Gaz. vol. 133; p. 482.
- Herbein, G. W., Seattle, Wash. Artificial fuel. No. 901,707; Oct. 20; Sp. p. 3468; Gaz. vol. 136; p. 1673.
- Herbein, G. W., Seattle, Wash. Artificial fuel. No. 905,310; Dec. 1; Sp. p. 345; Gaz. vol. 137; p. 1044.
- Herbein, G. W., Seattle, Wash. Making artificial fuel. No. 907,998; Dec. 29; Sp. p. 5724; Gaz. vol. 137; p. 2042.
- Herberg, T., Hendrum, Minn. Potato-digger. No. 879,543; Feb. 18; Sp. p. 3391; Dr. p. 709; Gaz. vol. 132; p. 1462.
- Herbert, A., *et al.* (See Siner, J. M., assignor.)
- Herbert, A. W., New York, N. Y., assignor to W. Haaker, Verona, N. J. Machine for bending flat metal strips into washers. No. 903,976; Nov. 17; Sp. p. 2926; Gaz. vol. 137; p. 534.
- Herbert, E. G., and C. Fletcher, Manchester, England. Machine for testing and indicating the efficiency of files and for similar purposes. No. 907,999; Dec. 29; Sp. p. 5724; Gaz. vol. 137; p. 2042.
- Herbert, F. (See Swift, W. C., assignor.)
- Herbert, F., Birtley, England. Machine for forming sand molds. No. 877,998; Feb. 4; Sp. p. 199; Dr. p. 45; Gaz. vol. 132; p. 882.
- Herbert, F., Birtley, England. Machine for making sand molds. No. 877,999; Feb. 4; Sp. p. 204; Dr. p. 45; Gaz. vol. 132; p. 883.
- Herbert, F., Birtley, England. Molding-machine. No. 878,064; Feb. 4; Sp. p. 345; Dr. p. 72; Gaz. vol. 132; p. 905.
- Herbert, G., Jr., Glasgow, Scotland. Apparatus for distributing sugar over biscuits, cakes, and such like. No. 907,351; Dec. 22; Sp. p. 4334; Gaz. vol. 137; p. 1799.
- Herbert, J. W., Los Gatos, Cal. Cherry-pitting machine. No. 883,881; Apr. 7; Sp. p. 429; Dr. p. 85; Gaz. vol. 133; p. 1259.
- Herbert, J. W., Los Gatos, Cal. Bridle-bit. No. 891,419; June 23; Sp. p. 4537; Dr. p. 987; Gaz. vol. 134; p. 1874.
- Herbin, F. L., assignor of one-half to T. J. Gallivan, Lynn, Mass. Folding rack. No. 908,000; Dec. 29; Sp. p. 5728; Gaz. vol. 137; p. 2042.

Alphabetical list of patentees—Continued.

- Herbst, J. H., H. Fass, and M. Shank, New York, N. Y. Passenger-car. No. 887,804; May 19; Sp. p. 2993; Dr. p. 629; Gaz. vol. 134; p. 543.
- Herbst, W., Berlin-Steglitz, and E. Dieckmann, Barmen-Unterbarmen, Germany. Fireproof floor construction. No. 908,001; Dec. 29; Sp. p. 5730; Gaz. vol. 137; p. 2043.
- Herbst, W. B., Washington, D. C. Toy balloon. No. 898,105; Sept. 8; Sp. p. 1788; Dr. p. 380; Gaz. vol. 136; p. 312.
- Herbst, W. E., Hartford, Conn. Rubber tread. No. 897,860; Sept. 1; Sp. p. 1267; Dr. p. 271; Gaz. vol. 136; p. 199.
- Herbst, W. P., Washington, D. C. Spoon. No. 888,499; May 26; Sp. p. 4350; Dr. p. 920; Gaz. vol. 134; p. 798.
- Hercules Electric & Mfg. Co. (See Dinkins, J. M., assignor.)
- Hercules Manufacturing Company. (See Fuller and Bateman, assignors.)
- Herd, C. E., Middlesboro, Ky. Check-mold. No. 903,718; Nov. 10; Sp. p. 2367; Gaz. vol. 137; p. 416.
- Herdegen, H., Stuttgart, Germany. Paper-file. No. 884,019; Apr. 7; Sp. p. 710; Dr. p. 144; Gaz. vol. 133; p. 1306.
- Herden, H., Wellsboro, Pa. Tie-rod for railway-rails. No. 905,530; Dec. 1; Sp. p. 855; Gaz. vol. 137; p. 1119.
- Herendeen Manufacturing Company. (See Burroughs, E. R., assignor.)
- Hergesheimer, J., assignor to Curtis Publishing Company, Philadelphia, Pa. Means for preventing offset in connection with printing. No. 897,831; Sept. 1; Sp. p. 1201; Dr. p. 256; Gaz. vol. 136; p. 191.
- Herkenhoff, A. L., Minster, Ohio. Friction-clutch. No. 880,528; Mar. 3; Sp. p. 68; Dr. p. 16; Gaz. vol. 133; p. 15.
- Herkert, F., Jr., St. Louis, Mo. Trunk-caster. No. 887,327; May 12; Sp. p. 2028; Dr. p. 425; Gaz. vol. 134; p. 355.
- Herkner, P. E. (See Pfior and Herkner.)
- Herman, C., Allegheny, and M. L. Heyl and H. T. Frauenheim, Pittsburg, assignors to Herman Pneumatic Machine Company, Zelienople, Pa. Molding-machine. No. 908,002; Dec. 29; Sp. p. 5731; Gaz. vol. 137; p. 2043.
- Herman, I. W., Cotesfield, Neb. Latch. No. 884,925; Apr. 14; Sp. p. 2575; Dr. p. 542; Gaz. vol. 133; p. 1629.
- Herman Pneumatic Machine Company. (See Herman, Heyl, and Frauenheim, assignors.)
- Herman, R., Crafton, Pa. Running-gear or suspension-frame for vehicles. No. 880,025; Feb. 25; Sp. p. 4411; Dr. pp. 927-8; Gaz. vol. 132; p. 1652.
- Herman, R., Crafton, Pa. Suspension-frame for automobiles. No. 890,981; June 16; Sp. p. 3661; Dr. p. 797; Gaz. vol. 134; p. 1699.
- Herman, R., Crafton, Pa. Condenser. No. 894,141; July 21; Sp. p. 3670; Dr. pp. 758-9; Gaz. vol. 135; p. 638.
- Herman, R., Crafton, Pa. Cooling device for explosive-engines. No. 897,532; Sept. 1; Sp. p. 601; Dr. pp. 125-6; Gaz. vol. 136; p. 94.
- Herman, R., Crafton, Pa., assignor to General Electric Company. Semaphore-signal. No. 876,962; Jan. 21; Sp. p. 2623; Dr. p. 570; Gaz. vol. 132; p. 495.
- Herman, R. L., assignor to Hall-Borchert Dress Form Co., New York, N. Y. Marking device. No. 882,199; Mar. 17; Sp. p. 3431; Dr. p. 729; Gaz. vol. 133; p. 620.
- Herman, R. L., assignor to Hall-Borchert Dress Form Co., New York, N. Y. Marking device. No. 886,804; May 5; Sp. p. 969; Dr. p. 203; Gaz. vol. 134; p. 158.
- Herman, W. E., Allegheny, assignor of one-half to R. MacGregor, Knoxville borough, Pa. Machine for cutting ovals. No. 877,422; Jan. 21; Sp. p. 3560; Dr. p. 770; Gaz. vol. 132; p. 648.
- Hermann, L., New York, N. Y. Floor and ceiling construction for fireproof buildings. No. 897,253; Aug. 25; Sp. p. 5095; Dr. p. 1063; Gaz. vol. 135; p. 1777.
- Hermann, L. C., Evansville, Ind. Fire-starter. No. 884,583; Apr. 14; Sp. p. 1846; Dr. pp. 396-7; Gaz. vol. 133; p. 1518.
- Hermann, W. F. (See Hoffman, R. V., assignor.)
- Hermans, H., Galesburg, Ill. Post-hole auger. No. 902,294; Oct. 27; Sp. p. 4647; Dr. p. 943; Gaz. vol. 136; p. 1891.
- Hermansens, A., Copenhagen, Denmark. Construction of regenerators. No. 891,991; June 30; Sp. p. 5722; Dr. p. 1231; Gaz. vol. 134; p. 2095.
- Hermetic Sealing Company. (See Dunkley, M. E., assignor.)
- Hermes, W., San Francisco, Cal. Glaze for the interior of vats and the like. No. 880,141; Feb. 25; Sp. p. 4646; Gaz. vol. 132; p. 1689.
- Hermisdorf, M., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Safety-device for gun-closures. No. 891,837; June 30; Sp. p. 5412; Dr. p. 1170; Gaz. vol. 134; p. 2044.
- Hermisdorf, M., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Locking device for gun-closures. No. 896,636; Aug. 18; Sp. p. 3681; Dr. p. 790; Gaz. vol. 135; p. 1546.
- Herndon, C., Wagoner, Okla. Combination rat-trap and bucket. No. 881,401; Mar. 10; Sp. p. 1817; Dr. p. 393; Gaz. vol. 133; p. 333.
- Herndon, C., Wagoner, Okla. Railway joint-chair. No. 882,200; Mar. 17; Sp. p. 3432; Dr. p. 729; Gaz. vol. 133; p. 621.
- Herndon, E. H., Sanford, Fla. Motor. No. 896,448; Aug. 18; Sp. p. 3317; Dr. p. 714; Gaz. vol. 135; p. 1485.
- Herod, O. L., Dundard, Pa. Automatic brake for vehicle-wheels. No. 895,859; Aug. 11; Sp. p. 2174; Dr. p. 462; Gaz. vol. 135; p. 1274.
- Herold, E., Brooklyn, N. Y. Umbrella-handle. No. 907,049; Dec. 15; Sp. p. 3712; Gaz. vol. 137; p. 1661.
- Heron, S. T. (See Snyder and Heron.)
- Héroult, P. L. T., La Praz, assignor to Société Electro Metallurgique Française, Froges, Isere, France. Electric furnace. No. 908,407; Dec. 29; Sp. p. 5582; Gaz. vol. 137; p. 2182.
- Herr Dump Car Company. (See Herr, H. T., assignor.)
- Herr Dump Car Company. (See Herr, Groves, and Foreman, assignors.)
- Herr, E. A., Philadelphia, Pa. Storm-apron attachment. No. 907,708; Dec. 22; Sp. p. 5119; Gaz. vol. 137; p. 1917.
- Herr, H. M., Lampeper, Pa. Hinge. No. 898,647; Sept. 15; Sp. p. 2840; Dr. p. 606; Gaz. vol. 136; p. 518.
- Herr, H. T., assignor to Herr Dump Car Company, Denver, Colo. Dump-car. No. 897,463; Sept. 1; Sp. p. 458; Dr. p. 98; Gaz. vol. 136; p. 73.
- Herr, H. T., Roanoke, Va., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake. No. 898,885; Sept. 15; Sp. p. 3270; Dr. pp. 699-700; Gaz. vol. 136; p. 595.
- Herr, H. T., J. R. Gr. Vess, and D. H. Foreman, assignors to Herr Dump Car Company, Denver, Colo. Dumping-car. No. 900,368; Oct. 6; Sp. p. 617; Dr. pp. 128-9; Gaz. vol. 136; p. 1170.
- Herr, J., Detroit, Mich. Paper barrel. No. 906,020; Dec. 8; Sp. p. 1785; Gaz. vol. 137; p. 1307.
- Herr, J., New York, N. Y. Safety-lock. No. 907,234; Dec. 22; Sp. p. 4119; Gaz. vol. 137; p. 1758.
- Herr, J. C., Middletown, Ohio. Bicycle. No. 877,337; Jan. 21; Sp. p. 3395; Dr. p. 736; Gaz. vol. 132; p. 620.
- Herre, A., and B. Jaekel, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Brown sulfur dye. No. 895,637; Aug. 11; Sp. p. 1718; Gaz. vol. 135; p. 1202.
- Herrgott, J. M. C., Valdoie, France. Electromechanical regulator for electric tension. No. 901,613; Oct. 20; Sp. p. 3230; Dr. p. 662; Gaz. vol. 136; p. 1640.
- Herrick, A. B., Ridgewood, N. J. Automatic cut-out for indicating means. No. 894,886; Aug. 4; Sp. p. 181; Dr. p. 39; Gaz. vol. 135; p. 929.
- Herrick, A. B., Ridgewood, N. J. Car-testing device. No. 905,875; Dec. 8; Sp. p. 1508; Gaz. vol. 137; p. 1261.
- Herrick, A. B., Ridgewood, N. J. Recording device. No. 907,235; Dec. 22; Sp. p. 4120; Gaz. vol. 137; p. 1758.
- Herrick, A. B., Cleveland, Ohio. Selective mechanism for testing devices. No. 896,828; Aug. 25; Sp. p. 4104; Dr. p. 882; Gaz. vol. 135; p. 1633.
- Herrick, A. B., assignor to Electric Railway Improvement Company, Cleveland, Ohio. Rail-bond. No. 894,952; Aug. 4; Sp. p. 349; Dr. p. 71; Gaz. vol. 135; p. 951.
- Herrick, A. B., assignor to Electric Railway Improvement Company, Cleveland, Ohio. Car for bonding rails. No. 906,021; Dec. 8; Sp. p. 1786; Gaz. vol. 137; p. 1307.
- Herrick, F. A., assignor of one-fourth to K. A. Flickinger, Toledo, Ohio. Lacing-hook. No. 904,479; Nov. 17; Sp. p. 3978; Gaz. vol. 137; p. 706.
- Herrick, J. A., Philadelphia, Pa. Annealing-furnace. No. 876,182; Jan. 7; Sp. p. 962; Dr. pp. 207-8; Gaz. vol. 132; p. 164.
- Herrick, J. A., Philadelphia, Pa. Annealing-furnace. No. 876,183; Jan. 7; Sp. p. 964; Dr. p. 208; Gaz. vol. 132; p. 164.
- Herrick, L. G., Luverne, Minn. Fertilizer-distributor. No. 904,127; Nov. 17; Sp. p. 3229; Gaz. vol. 137; p. 586.
- Herrick, W. L., Skyland, Cal. Bag-holder. No. 904,695; Nov. 24; Sp. p. 4443; Gaz. vol. 137; p. 805.
- Herring Hall-Marvin Safe Company. (See Fuller, W. C., assignor.)
- Herring Hall-Marvin Safe Company. (See Marr, A. W., assignor.)
- Herring Hall-Marvin Safe Company. (See Schultz, W. F., assignor.)
- Herringer, C., New York, N. Y., assignor, by mesne assignments, to Federal Signal Company. Detector-bar. No. 902,580; Nov. 3; Sp. p. 96; Gaz. vol. 137; p. 16.
- Herrington, A. E., Atlanta, Ga. Convertible seat. No. 893,845; July 21; Sp. p. 3069; Dr. p. 626; Gaz. vol. 135; p. 541.
- Herrington, J. W., et al. (See McGowen, W., assignor.)
- Herrington, L., New York, assignor to J. J. Britton, Brooklyn, N. Y. Phonograph-disk-record case. No. 896,637; Aug. 18; Sp. p. 3683; Dr. p. 790; Gaz. vol. 135; p. 1547.
- Herrmann, A., and I. N. Golladay, Colma, Cal. Gopher-trap. No. 899,595; Sept. 29; Sp. p. 4660; Dr. p. 998; Gaz. vol. 136; p. 889.
- Herrmann, C. J., Brooklyn, N. Y. Portable pie-crate. No. 895,016; Aug. 4; Sp. p. 496; Dr. p. 100; Gaz. vol. 135; p. 974.
- Herrmann, C., Fort Smith, Ark. Sandpapering-machine. No. 880,663; Mar. 3; Sp. p. 347; Dr. pp. 76-7; Gaz. vol. 133; p. 61.
- Herrmann, G., Nuremberg, Germany. Ball-bearing. No. 901,169; Oct. 13; Sp. p. 2279; Dr. p. 465; Gaz. vol. 136; p. 1458.
- Herrmann, O., Brown Station, N. Y. Danger-signal for automobiles. No. 903,719; Nov. 10; Sp. p. 2367; Gaz. vol. 137; p. 416.
- Herrnecker, G. H., Hornell, N. Y. Reflector. No. 897,464; Sept. 1; Sp. p. 463; Dr. p. 99; Gaz. vol. 136; p. 73.
- Herron, J. M., East Orange, N. J. Producing coffee preparations. No. 893,074; July 14; Sp. p. 1392; Gaz. vol. 135; p. 258.

Alphabetical list of patentees—Continued.

- Herron, J. M., East Orange, N. J., assignor, by mesne assignments, to Ceylon Cocoa & Coffee Company. Sorting cocoa-beans. No. 881,861; Mar. 10; Sp. p. 2727; Dr. p. 584; Gaz. vol. 133; p. 482.
- Herron, J. M., East Orange, N. J., assignor, by mesne assignments, to Ceylon Cocoa & Coffee Company. Coffee preparation and making same. No. 893,073; July 14; Sp. p. 1391; Gaz. vol. 135; p. 258.
- Hersche, J. J., Appenzell, Switzerland. Combined window-rest and escape-ladder. No. 886,605; May 5; Sp. p. 522; Dr. p. 112; Gaz. vol. 134; p. 93.
- Herschmann, A., New York, N. Y. Brush. No. 884,276; Apr. 7; Sp. p. 1237; Dr. p. 260; Gaz. vol. 133; p. 1389.
- Hersey, O. H. (See Singer, J. B., assignor.)
- Hersh & Bro. (See Hersh, H. E., assignor.)
- Hersh, H. E., assignor to Hersh & Bro., Allentown, Pa. Ventilating-skylight and its sash-bars. No. 884,154; Apr. 7; Sp. p. 1031; Dr. pp. 214-15; Gaz. vol. 133; p. 1350.
- Hershey, H. D. (See Brubaker, H., assignor.)
- Hershey, H. D., Latrobe, Pa. Continuous-draw vacuum window-glass machine. No. 901,170; Oct. 13; Sp. p. 2280; Dr. pp. 465-6; Gaz. vol. 136; p. 1458.
- Hershey, J. R., and N. H. Smith, Keokuk, Iowa, assignors to Electric Service Supplies Company, Newark, N. J. Portable electric lamp. No. 908,262; Dec. 29; Sp. p. 6276; Gaz. vol. 137; p. 2130.
- Hershey, W. B. C., Columbus, Ohio. Vehicle-body construction. No. 907,352; Dec. 22; Sp. p. 4337; Gaz. vol. 137; p. 1799.
- Herstein, B., Bayonne, N. J. Nitro derivative of cellulose and making same. No. 879,871; Feb. 25; Sp. p. 4092; Gaz. vol. 132; p. 1601.
- Herth, C. H., assignor to Baling Tie Buckle Company, Memphis, Tenn. Wire-puller. No. 903,818; Nov. 10; Sp. p. 2570; Gaz. vol. 137; p. 449.
- Herting, W. F., and F. C. Chlan, Baltimore, Md. Safety-signal system for railways. No. 875,911; Jan. 7; Sp. p. 447; Dr. p. 99; Gaz. vol. 132; p. 81.
- Hertkorn, J., Berlin, Germany. Preparation of borneol esters from turpentine. No. 901,293; Oct. 13; Sp. p. 2528; Dr. p. 519; Gaz. vol. 136; p. 1497.
- Hertkorn, J., Berlin, Germany. Making camphor. No. 901,708; Oct. 20; Sp. p. 3469; Gaz. vol. 136; p. 1673.
- Hertkorn, J., Berlin, Germany. Making iodine products. No. 901,709; Oct. 20; Sp. p. 3470; Gaz. vol. 136; p. 1673.
- Hertz, H., assignor to Western Electric Company, Chicago, Ill. Winding for rotating fields. No. 908,098; Dec. 29; Sp. p. 5920; Gaz. vol. 137; p. 2075.
- Hertzberg, H. (See Low and Hertzberg.)
- Hertzberg, H., New York, and A. A. Low, Horseshoe, N. Y.; said Hertzberg assignor to said Low. Fuel-heater for explosive-engines. No. 904,203; Nov. 17; Sp. p. 3407; Gaz. vol. 137; p. 613.
- Hertzberg, H., and M. J. Wohl, New York, N. Y. Electrically-heated sad-iron. No. 879,046; Feb. 11; Sp. p. 2361; Dr. p. 494; Gaz. vol. 132; p. 1258.
- Hertzberg, H., and M. J. Wohl, New York, assignors to A. A. Low, Horseshoe, N. Y. Electrically-heated soldering and branding iron. No. 878,952; Feb. 11; Sp. p. 2194; Dr. p. 460; Gaz. vol. 132; p. 1229.
- Hertzberg, H., and M. J. Wohl, New York, assignors to Economy Electric Company, Brooklyn, N. Y. Electrically-heated curling-iron. No. 900,732; Oct. 13; Sp. p. 1415; Dr. p. 287; Gaz. vol. 136; p. 1317.
- Hertzfeldt, A. C., Independence, Wis. Hand-planter. No. 905,700; Dec. 1; Sp. p. 1165; Gaz. vol. 137; p. 1172.
- Hervey, J., Kansas City, Mo., and W. L. Hervey, Poarch, Okla., assignors to King Cotton Picker Co., Kansas City, Mo. Cotton-picking machine. No. 907,691; Dec. 22; Sp. p. 5093; Gaz. vol. 137; p. 1912.
- Hervey, J., Kansas City, Mo., and W. L. Hervey, Poarch, Okla., assignors to King Cotton Picker Co., Kansas City, Mo. Pneumatic conveyor. No. 907,692; Dec. 22; Sp. p. 5094; Gaz. vol. 137; p. 1912.
- Hervey, W. F., Wellsburg, W. Va. Pump. No. 906,228; Dec. 8; Sp. p. 2193; Gaz. vol. 137; p. 1375.
- Hervey, W. L. (See Hervey, J. and W. L.)
- Herz, A., New York, N. Y. Apparatus for incasing toothpicks and the like. No. 883,803; Apr. 7; Sp. p. 255; Dr. p. 47; Gaz. vol. 133; p. 1233.
- Herz, A., Vienna, Austria-Hungary. Magneto alternating-current generator. No. 908,097; Dec. 29; Sp. p. 5919; Gaz. vol. 137; p. 2075.
- Herzberg, W., Berlin, and H. Oster, Charlottenburg, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Yellow monoazo dyestuff. No. 906,422; Dec. 8; Sp. p. 2537; Gaz. vol. 137; p. 1437.
- Herzberg, W., and O. Spengler, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Ortho-oxy-monoazo dye and making same. No. 906,421; Dec. 8; Sp. p. 2535; Gaz. vol. 137; p. 1436.
- Herzer, V. C. (See Colby, E., assignor.)
- Herzog Iron Works. (See Schult, F. G., assignor.)
- Herzog, J. (See Feldmann and Herzog.)
- Herzog, J., Union, N. J. Shoe-cleaning apparatus. No. 895,458; Aug. 11; Sp. p. 1380; Dr. p. 290; Gaz. vol. 135; p. 1144.
- Herzog, J. L., New York, N. Y. Stud. No. 908,003; Dec. 29; Sp. p. 5736; Gaz. vol. 137; p. 2045.
- Heskett, T. J. (See Moore, M., assignor.) (Reissue.)
- Hess, A. M. (See Clymans and Hess.)
- Hess, C. (See Connor and Hess.)
- Hess, C. F., assignor to Banks Specialty Manufacturing Company, Scranton, Pa. Savings-bank-deposit appliance. No. 893,582; July 14; Sp. p. 2446; Dr. pp. 508-9; Gaz. vol. 135; p. 423.
- Hess, E. B., New York, N. Y., assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 884,155; Apr. 7; Sp. p. 1033; Dr. p. 215; Gaz. vol. 133; p. 1351.
- Hess, E. B., assignor to Royal Typewriter Company, New York, N. Y. Writing-machine. No. 894,497; July 28; Sp. p. 4431; Dr. p. 917; Gaz. vol. 135; p. 776.
- Hess, E. B., New York, N. Y., assignor to Royal Typewriter Company, Hoboken, N. J. Writing-machine. No. 895,267; Aug. 4; Sp. p. 999; Dr. pp. 209-10; Gaz. vol. 135; p. 1059.
- Hess, E. B., New York, N. Y., assignor to Royal Typewriter Company, Hoboken, N. J. Writing-machine. No. 896,539; Aug. 13; Sp. p. 3509; Dr. p. 754; Gaz. vol. 135; p. 1516.
- Hess, E. B., New York, N. Y., assignor to Royal Typewriter Company, Hoboken, N. J. Type-writing machine. No. 897,533; Sept. 1; Sp. p. 604; Dr. p. 126; Gaz. vol. 136; p. 95.
- Hess, E. B., New York, and J. M. Stoughton, Yonkers, N. Y., assignors to Royal Typewriter Company, Hoboken, N. J. Writing-machine. No. 888,438; May 19; Sp. p. 4225; Dr. p. 896; Gaz. vol. 134; p. 749.
- Hess, E. G., Buffalo, N. Y. Furniture. No. 877,423; Jan. 21; Sp. p. 3562; Dr. p. 770; Gaz. vol. 132; p. 648.
- Hess, H., Wawa, Pa. Forming conically-shaped ends upon rollers and other objects. No. 891,992; June 30; Sp. p. 5724; Dr. p. 1231; Gaz. vol. 134; p. 2095.
- Hess, H., Wawa, Pa. Flexible piston connection. No. 891,993; June 30; Sp. p. 5725; Dr. p. 1231; Gaz. vol. 134; p. 2096.
- Hess, H. K., Philadelphia, Pa. Motive power. No. 878,953; Feb. 11; Sp. p. 2197; Dr. p. 460; Gaz. vol. 132; p. 1229.
- Hess, H. K., Philadelphia, Pa. Recovering copper from ore or matte by electrolysis. No. 881,580; Mar. 10; Sp. p. 2162; Dr. p. 472; Gaz. vol. 133; p. 393.
- Hess, J. A., Philadelphia, Pa. Cutting-tool. No. 905,876; Dec. 8; Sp. p. 1512; Gaz. vol. 137; p. 1262.
- Hess, S. B., New York, N. Y. Electric burglar-alarm. No. 901,171; Oct. 13; Sp. p. 2283; Dr. p. 466; Gaz. vol. 136; p. 1458.
- Hesse, G. E., Brooklyn, assignor to Svea Caloric Engine Company, New York, N. Y. Treating and heating air. No. 894,830; Aug. 4; Sp. p. 62; Dr. p. 13; Gaz. vol. 135; p. 910.
- Hesse, G. E., Brooklyn, assignor to Svea Caloric Engine Company, New York, N. Y. Apparatus for treating and heating air. No. 894,831; Aug. 4; Sp. p. 65; Dr. pp. 13-14; Gaz. vol. 135; p. 910.
- Hesse, L. (See Günther and Hesse.)
- Hessel, A., Golden, Colo. Gate. No. 884,584; Apr. 14; Sp. p. 1850; Dr. p. 397; Gaz. vol. 133; p. 1518.
- Hesseliuss, P., Chicago, Ill. Change-speed gear. No. 886,701; May 5; Sp. p. 734; Dr. p. 151; Gaz. vol. 134; p. 124.
- Hesselman, K. J. E., Stockholm, Sweden. Fuel-pump for reversible internal-combustion engines. No. 906,022; Dec. 8; Sp. p. 1789; Gaz. vol. 137; p. 1307.
- Hessemer, A., Brooklyn, N. Y. Car-fender. No. 881,581; Mar. 10; Sp. p. 2163; Dr. p. 472; Gaz. vol. 133; p. 393.
- Hessler, J., Sheboygan, Wis. Shoe. No. 899,978; Sept. 29; Sp. p. 5458; Dr. p. 1164; Gaz. vol. 136; p. 1012.
- Hestand, H., and C. Renas, Comanche, Okla. Wrench. No. 886,210; Apr. 28; Sp. p. 5209; Dr. p. 1097; Gaz. vol. 133; p. 2108.
- Hestand, H., and J. W. Willis, Comanche, Okla. Stalk-cutter attachment for cultivators. No. 877,192; Jan. 21; Sp. p. 3112; Dr. p. 673; Gaz. vol. 132; p. 573.
- Hestand, H., and J. W. Willis, Comanche, Okla. Stalk-cutter. No. 904,328; Nov. 17; Sp. p. 3693; Gaz. vol. 137; p. 656.
- Hester, W. (See Henry and Hester.)
- Hestness, B., assignor of one-half to I. J. Bläkkän, Rockford, Wash. Toy gun. No. 883,197; Mar. 31; Sp. p. 5393; Dr. p. 1148; Gaz. vol. 133; p. 1011.
- Hestness, B., San Diego, Cal., assignor of one-half to I. J. Bläkkän, Rockford, Wash. Antislipping protector for overalls or other like garments. No. 907,050; Dec. 15; Sp. p. 3713; Gaz. vol. 137; p. 1661.
- Hetherington, F. A., Indianapolis, Ind. Bucket elevator. No. 880,303; Feb. 25; Sp. p. 4980; Dr. p. 1051; Gaz. vol. 132; p. 1744.

Alphabetical list of patentees—Continued.

- Hetherington, J., Benton Harbor, Mich. Combination bottle-cap and ticket-holder. No. 896,540; Aug. 18; Sp. p. 3517; Dr. p. 755; Gaz. vol. 135; p. 1517.
- Hetherington, J., Benton Harbor, Mich. Ticket or coin holder. No. 899,217; Sept. 22; Sp. p. 3903; Dr. p. 834; Gaz. vol. 136; p. 730.
- Hettlesæter, O., Milwaukee, Wis. Excavator. No. 895,459; Aug. 11; Sp. p. 1380; Dr. pp. 290-1; Gaz. vol. 135; p. 1145.
- Hettlesæter, O., assignor to Allis-Chalmers Company, Milwaukee, Wis. Frame-mounting. No. 899,596; Sept. 29; Sp. p. 4660; Dr. p. 999; Gaz. vol. 136; p. 890.
- Hettlesæter, O., assignor to Allis-Chalmers Company, Milwaukee, Wis. Excavating-machine. No. 899,597; Sept. 29; Sp. p. 4662; Dr. pp. 999-1000; Gaz. vol. 136; p. 890.
- Hetrick, E. A. (See Hetrick, F. E. and E. A.)
- Hetrick, F. E., Dubois, Pa., and E. A. Hetrick, Akron, Ohio. Egg-tester. No. 896,018; Aug. 11; Sp. p. 2489; Dr. p. 536; Gaz. vol. 135; p. 1326.
- Hettel, A., assignor to A. R. Beal, Rochester, N. Y. Gluing-frame. No. 900,167; Oct. 6; Sp. p. 201; Dr. p. 41; Gaz. vol. 136; p. 1105.
- Hettick, E. A., and J. I. Sharp, Dearborn, Mo. Adjustable vehicle-axle. No. 893,800; July 21; Sp. p. 2969; Dr. pp. 607-8; Gaz. vol. 135; p. 526.
- Hettinger, H. A., Bridgeton, N. J. Gas-engine. No. 881,582; Mar. 10; Sp. p. 2165; Dr. p. 472; Gaz. vol. 133; p. 393.
- Hettinger, H. A., Bridgeton, N. J. Derrick. No. 882,311; Mar. 17; Sp. p. 3651; Dr. p. 774; Gaz. vol. 133; p. 657.
- Hettinger, J. H., Bridgeton, N. J. Toy. No. 884,387; Apr. 14; Sp. p. 1460; Dr. p. 311; Gaz. vol. 133; p. 1455.
- Hettrich, J., Grand Island, Nebr. Corn-husking machine. No. 876,802; Jan. 14; Sp. p. 2255; Dr. p. 496; Gaz. vol. 132; p. 400.
- Hettrich, J., Grand Island, Nebr. Corn-harvester. No. 880,451; Feb. 25; Sp. p. 3279; Dr. p. 1111; Gaz. vol. 132; p. 1794.
- Hettrich, J., assignor of one-half to G. Vanskike, Grand Island, Nebr. Crate. No. 889,849; June 2; Sp. p. 1279; Dr. p. 294; Gaz. vol. 134; p. 1267.
- Hetzl, F. V., and H. P. Cochran, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill. Adjustable chute. No. 898,886; Sept. 15; Sp. p. 3277; Dr. p. 701; Gaz. vol. 136; p. 595.
- Heublein, W. A., Wilson, Minn. Planter. No. 878,628; Feb. 11; Sp. p. 1590; Dr. pp. 323-4; Gaz. vol. 132; p. 1126.
- Heubner, A. (See Heubner, H. and A.)
- Heubner, H. and A., Brooklyn, N. Y. Adjustable supporting-stick for plants. No. 879,047; Feb. 11; Sp. p. 2365; Dr. p. 494; Gaz. vol. 132; p. 1258.
- Heulings, W. H., Jr., assignor to J. G. Brill Company, Philadelphia, Pa. Gate for passenger-cars. No. 902,489; Oct. 27; Sp. p. 5081; Dr. p. 1029; Gaz. vol. 136; p. 1956.
- Heulings, W. H., Jr., Philadelphia, and W. M. Smith, Moores, assignors to J. G. Brill Company, Philadelphia, Pa. Car-body. No. 902,402; Oct. 27; Sp. p. 4874; Dr. p. 987; Gaz. vol. 136; p. 1927.
- Heuscher, J., and E. Weber-Stierlin, Zurich, Switzerland. Means for producing circulation in liquid-tanks. No. 893,625; July 21; Sp. p. 2537; Dr. p. 529; Gaz. vol. 135; p. 467.
- Heuser, F., assignor to Arithmograph Company, Chicago, Ill. Ribbon mechanism for type-writing machines. No. 876,454; Jan. 14; Sp. p. 1550; Dr. pp. 332-3; Gaz. vol. 132; p. 285.
- Heuss, F., Mannheim, Germany. Palm for stockless anchors. No. 906,023; Dec. 8; Sp. p. 1792; Gaz. vol. 137; p. 1308.
- Heuss, H., assignor to C. W. Raymond Co., Dayton, Ohio. Brick-cutting machine. No. 889,684; June 2; Sp. p. 976; Dr. pp. 225-6; Gaz. vol. 134; p. 1215.
- Hewett, R. J., Westfield, N. J., assignor to Hall Signal Company. Lock and block signal system. No. 906,799; Dec. 15; Sp. p. 3247; Gaz. vol. 137; p. 1583.
- Hewett, R. J., Westfield, N. J., assignor to Hall Signal Company. Lock and block signal system. No. 906,800; Dec. 15; Sp. p. 3250; Gaz. vol. 137; p. 1583.
- Hewett, W. S., Minneapolis, Minn. Bridge construction. No. 890,769; June 16; Sp. p. 3216; Dr. pp. 702-3; Gaz. vol. 134; p. 1630.
- Hewitt, A. W., Bogota, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 889,605; June 2; Sp. p. 816; Dr. pp. 186-7; Gaz. vol. 134; p. 1190.
- Hewitt, A. W., Bogota, N. J., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 892,724; July 7; Sp. p. 651; Dr. p. 138; Gaz. vol. 135; p. 113.
- Hewitt, E. G., Ringwood Manor, Pompton township, Passaic county, N. J. Picture-frame. No. 881,073; Mar. 3; Sp. p. 1164; Dr. p. 251; Gaz. vol. 133; p. 198.
- Hewitt, E. R., New York, N. Y. Vehicle. No. 892,051; June 30; Sp. p. 5831; Dr. p. 1254; Gaz. vol. 134; p. 2114.
- Hewitt, H. H. (See Shultz, A. B., assignor.)
- Hewitt, H. H. (See Sill, S. J., assignor.)
- Hewitt, H. H. (See Smith, W. R., assignor.)
- Hewitt, I., Victoria, British Columbia, Canada. Cement-spreading machine. No. 893,168; July 14; Sp. p. 1587; Dr. p. 336; Gaz. vol. 135; p. 289.
- Hewitt, J. C. (See Wood, J. F., assignor.)
- Hewitt, J. H., Birmingham, and J. Walker, Jr., London, England. Clamping device and the like. No. 907,800; Dec. 29; Sp. p. 5304; Gaz. vol. 137; p. 1978.
- Hewitt, L. T., *et al.* (See Levey, T. J., assignor.)
- Hewitt, P. C., New York, N. Y. Tire surface or covering. No. 905,877; Dec. 8; Sp. p. 1512; Gaz. vol. 137; p. 1262.
- Hewitt, P. C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Electric lighting. No. 900,733; Oct. 13; Sp. p. 1418; Dr. p. 288; Gaz. vol. 136; p. 1318.
- Hewitt, P. C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Apparatus for electric lighting. No. 901,294; Oct. 13; Sp. p. 2532; Dr. p. 520; Gaz. vol. 136; p. 1497.
- Hewitt, P. C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Producing colored light-rays. No. 907,598; Dec. 22; Sp. p. 4852; Gaz. vol. 137; p. 1880.
- Hewitt, T. D. (See Campbell, J. E., assignor.)
- Hewlett, C. W., New York, N. Y. Skirt and waist hanger. No. 878,390; Feb. 4; Sp. p. 999; Dr. p. 201; Gaz. vol. 132; p. 1012.
- Hewlett, E. M., Schenectady, N. Y., assignor to General Electric Company. Electric heater. No. 882,564; Mar. 24; Sp. p. 4119; Dr. p. 874; Gaz. vol. 133; p. 773.
- Hewlett, E. M., Schenectady, N. Y., assignor to General Electric Company. Electric heater. No. 896,297; Aug. 18; Sp. p. 3015; Dr. p. 649; Gaz. vol. 135; p. 1437.
- Hewlett, E. M., Schenectady, N. Y., assignor to General Electric Company. Oil-switch. No. 901,967; Oct. 27; Sp. p. 3966; Dr. p. 809; Gaz. vol. 136; p. 1786.
- Hewlett, E. M., and T. E. Button, Schenectady, N. Y., assignors to General Electric Company. Circuit-breaker. No. 901,614; Oct. 20; Sp. p. 3233; Dr. pp. 662-3; Gaz. vol. 136; p. 1640.
- Hews, H. P., Jackson, Me. Potato-digger. No. 891,476; June 23; Sp. p. 4653; Dr. p. 1008; Gaz. vol. 134; p. 1894.
- Hey, E. A., West View, and M. Braun, Allegheny, assignors to H. J. Heinz Company, Pittsburg, Pa. Machine for filling receptacles. No. 893,583; July 14; Sp. p. 2449; Dr. pp. 509-10; Gaz. vol. 135; p. 423.
- Heyartz, P. (See Völker, F., assignor.)
- Heybach, F. J., assignor of one-half to Morehouse Manufacturing Co., Savannah, Ga. Weighing apparatus. No. 885,473; Apr. 21; Sp. p. 3699; Dr. p. 777; Gaz. vol. 133; p. 1840.
- Heydemann, A., Frankfurt-on-the-Main, Germany. Device for lifting documents, &c., off files of any kind. No. 895,268; Aug. 4; Sp. p. 1007; Dr. p. 211; Gaz. vol. 135; p. 1059.
- Heyden Chemical Works. (See Seifert and Meves, assignors.)
- Heyden, O. S. (See Teachout, R. B., assignor.)
- Heydrich, A. B., assignor of two-thirds to D. D. Shirley and O. Heydrich, Allerton, Iowa. Carpet-fastener. No. 890,513; June 9; Sp. p. 2644; Dr. p. 584; Gaz. vol. 134; p. 1512.
- Heydrich, O., *et al.* (See Heydrich, A. B., assignor.)
- Heyenga, M. W., Chicago, Ill. Running-gear. No. 882,826; Mar. 24; Sp. p. 4637; Dr. pp. 988-9; Gaz. vol. 133; p. 859.
- Heyenga, M. W., Riverdale, assignor of one-half to M. and H. Barkmeier, Chicago, Ill. Vehicle running-gear. No. 899,218; Sept. 22; Sp. p. 3904; Dr. p. 834; Gaz. vol. 136; p. 731.
- Heyer, F., Hubbard, Tex. Road-scraper. No. 892,992; July 14; Sp. p. 1242; Dr. pp. 260-1; Gaz. vol. 135; p. 232.
- Heyl, M. L. (See Herman, Heyl, and Frauenheim.)
- Heyl and Patterson. (See Bickley, R. M., assignor.)
- Heyl & Patterson. (See Patterson, W. J., assignor.)
- Heyland, A., Brussels, Belgium. Commutator for polyphase currents. No. 882,682; Mar. 24; Sp. p. 4356; Dr. pp. 927-8; Gaz. vol. 133; p. 813.
- Heyland, A., Brussels, Belgium. Alternating-electric-current machinery. No. 901,341; Oct. 20; Sp. p. 2629; Dr. pp. 540-1; Gaz. vol. 136; p. 1548.
- Heyman, D., assignor of one-half to J. Chain, New York, N. Y. Fish-horn. No. 877,715; Jan. 28; Sp. p. 4152; Dr. p. 899; Gaz. vol. 132; p. 763.

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- Heyman, H., Gottenborg, Sweden. Threading-machine for carpet-loom. No. 902,229; Oct. 27; Sp. p. 4512; Dr. pp. 914-15; Gaz. vol. 136; p. 1869.
- Heyman, J. C., Minneapolis, Minn. Stump-puller. No. 898,887; Sept. 15; Sp. p. 3279; Dr. p. 701; Gaz. vol. 136; p. 595.
- Heymann, B., Millers, Nev. Turbine. No. 875,912; Jan. 7; Sp. p. 451; Dr. p. 100; Gaz. vol. 132; p. 81.
- Heyn, F. H. C., Hamburg, Germany. Buoy. No. 897,101; Aug. 25; Sp. p. 4694; Dr. p. 1000; Gaz. vol. 135; p. 1724.
- Heyn, F. H. C., Hamburg, Germany. Apparatus for recovering submerged objects. No. 897,620; Sept. 1; Sp. p. 779; Dr. p. 164; Gaz. vol. 136; p. 123.
- Heynau, H., Dotzheim, near Wiesbaden, Germany. Thoroughfare tap-holder. No. 880,529; Mar. 3; Sp. p. 70; Dr. p. 17; Gaz. vol. 133; p. 15.
- Heynemann, L., Hartford City, Ind. Collar-button. No. 904,437; Nov. 17; Sp. p. 3892; Gaz. vol. 137; p. 691.
- Heynemann, L., San Francisco, Cal. Preheating device. No. 906,879; Dec. 15; Sp. p. 3410; Gaz. vol. 137; p. 1608.
- Heys, J. J., Lynn, Mass., assignor to Manufacturers Machine Company, Montclair, N. J. Sole-laying machine. No. 878,391; Feb. 4; Sp. p. 1000; Dr. p. 202; Gaz. vol. 132; p. 1013.
- Heys, J. J., Lynn, Mass., assignor, by mesne assignments, to Manufacturers Machine Company, Montclair, N. J. Welt-beater. No. 901,446; Oct. 20; Sp. p. 2902; Dr. p. 591; Gaz. vol. 136; p. 1586.
- Heys, J. J., assignor to Bresnahan Shoe Machinery Company, Lynn, Mass. Chain-stitch shoe-sewing machine. No. 902,880; Nov. 3; Sp. p. 713; Gaz. vol. 137; p. 118.
- Heys, J. J., Lynn, assignor, by mesne assignments, to T. G. Plant, Boston, Mass. Sewing-machine. No. 905,311; Dec. 1; Sp. p. 346; Gaz. vol. 137; p. 1044.
- Heys, W. E. (See Macpherson and Heys.)
- Heyser, W., Baltimore, Md. Oyster-pail. No. 892,725; July 7; Sp. p. 659; Dr. p. 139; Gaz. vol. 135; p. 113.
- Heywood Brothers and Wakefield Company. (See Reed and Lang, assignors.)
- Heywood, C. H., and D. E. Travis, Waukegan, Ill., assignors to United States Envelope Co., Springfield, Mass. Delivery mechanism for envelop and similar machines. No. 880,795; Mar. 3; Sp. p. 617; Dr. p. 130; Gaz. vol. 133; p. 107.
- Hibbard, H. D., Plainfield, N. J. Utilizing the metalloids in crude iron for reducing metallic iron. No. 885,248; Apr. 21; Sp. p. 3260; Dr. p. 680; Gaz. vol. 133; p. 1767.
- Hibbard, J. M., Oregon, Mo. Safety-stirrup. No. 882,683; Mar. 24; Sp. p. 4360; Dr. p. 928; Gaz. vol. 133; p. 813.
- Hibbard, M., Columbus, Ohio, assignor to J. A. Jeffery. Tension device for cable-car hauls. No. 888,439; May 19; Sp. p. 4228; Dr. p. 897; Gaz. vol. 134; p. 749.
- Hibbard, M. W., assignor to R. Fitzgerald, Chicago, Ill. Brake-slack adjuster. No. 887,637; May 12; Sp. p. 2650; Dr. pp. 558-9; Gaz. vol. 134; p. 457.
- Hibbard, W. R., Chicago, Ill. Undershirt. No. 876,455; Jan. 14; Sp. p. 1553; Dr. p. 333; Gaz. vol. 132; p. 285.
- Hibbett, A. J., Pikeville, Tenn. Dividers. No. 891,066; June 16; Sp. p. 3814; Dr. p. 832; Gaz. vol. 134; p. 1727.
- Hibbler, E. M., Lyon, Miss. Cane-cutter. No. 879,048; Feb. 11; Sp. p. 2365; Dr. p. 495; Gaz. vol. 132; p. 1258.
- Hibbs, W., assignor to Independent Harvester Company, Plano, Ill. Corn-gathering machine. No. 890,648; June 16; Sp. p. 2951; Dr. p. 646; Gaz. vol. 134; p. 1590.
- Hibbs, W., assignor to Independent Harvester Company, Plano, Ill. Corn-husking machine. No. 902,729; Nov. 3; Sp. p. 395; Gaz. vol. 137; p. 68.
- Hibner, F., North Platte, assignor of one-half to J. M. Calhoun, Omega, Nebr. Ash-pan. No. 896,449; Aug. 18; Sp. p. 3320; Dr. p. 715; Gaz. vol. 135; p. 1486.
- Hibner, P. D., Seattle, Wash. Railway-switch. No. 881,799; Mar. 10; Sp. p. 2588; Dr. p. 556; Gaz. vol. 133; p. 462.
- Hickey, E., Sawyers Bar, Cal. Detachable handle for pans. No. 906,801; Dec. 15; Sp. p. 3256; Gaz. vol. 137; p. 1584.
- Hickey, F. J. (See Woodall, G., assignor.)
- Hickey, J. M., Ironton, Ohio. Register and alarm for grinding-mills. No. 897,102; Aug. 25; Sp. p. 4695; Dr. p. 1000; Gaz. vol. 135; p. 1724.
- Hickey, N. P. (See Meyer and Hickey.)
- Hickey, R., assignor of one-half to T. L. Riley, New York, N. Y. Pole-supporter. No. 889,373; June 2; Sp. p. 366; Dr. p. 85; Gaz. vol. 134; p. 1116.
- Hickley, A. S., Manasquan, N. J. Electrolytic alternating-current rectifier. No. 900,278; Oct. 6; Sp. p. 444; Dr. p. 91; Gaz. vol. 136; p. 1141.
- Hickley, A. S., Manasquan, N. J. Electrolytic alternating-current rectifier. No. 900,279; Oct. 6; Sp. p. 445; Dr. p. 91; Gaz. vol. 136; p. 1142.
- Hickman, C. F., and B. L. Ford, Seattle, Wash. Horse-collar pad. No. 894,640; July 28; Sp. p. 4713; Dr. p. 978; Gaz. vol. 135; p. 822.
- Hickman, J. O., Butterfield, Ark. Railway cross-tie. No. 906,710; Dec. 15; Sp. p. 3075; Gaz. vol. 137; p. 1554.
- Hickman, W. N. (See New and Hickman.)
- Hickok, L. E., Brooklyn, N. Y., assignor of one-half to Cleveland Hardware Company, Cleveland, Ohio. Head-block plate and perch connection. No. 876,544; Jan. 14; Sp. p. 1752; Dr. p. 380; Gaz. vol. 132; p. 317.
- Hickok, L. E., Brooklyn, N. Y., assignor of one-half to Cleveland Hardware Company, Cleveland, Ohio. Antirattler for fifth-wheels. No. 876,545; Jan. 14; Sp. p. 1753; Dr. p. 381; Gaz. vol. 132; p. 317.
- Hickok, L. E., Brooklyn, N. Y., assignor of one-half to Cleveland Hardware Company, Cleveland, Ohio. Vehicle-gear. No. 876,546; Jan. 14; Sp. p. 1754; Dr. p. 381; Gaz. vol. 132; p. 318.
- Hickok, L. E., Brooklyn, N. Y., assignor of one-half to Cleveland Hardware Company, Cleveland, Ohio. Antirattler for fifth-wheels of vehicles. No. 876,547; Jan. 14; Sp. p. 1755; Dr. p. 381; Gaz. vol. 132; p. 318.
- Hickok, L. E., Brooklyn, N. Y., assignor of one-half to Cleveland Hardware Company, Cleveland, Ohio. King-bolt connection for vehicles. No. 876,548; Jan. 14; Sp. p. 1756; Dr. p. 382; Gaz. vol. 132; p. 318.
- Hickok, R. D., Atlanta, Ga. Electric clock. No. 904,128; Nov. 17; Sp. p. 3233; Gaz. vol. 137; p. 587.
- Hickox, K., Excelsior Springs, Mo. Vapor-bath apparatus. No. 903,289; Nov. 10; Sp. p. 1509; Gaz. vol. 137; p. 278.
- Hicks, C. (See Hicks, E. and C.)
- Hicks, C. G., assignor of one-half to J. W. Kilmore, Chicago, Ill. Cable-suspension transportation system. No. 897,978; Sept. 8; Sp. p. 1532; Dr. p. 326; Gaz. vol. 136; p. 271.
- Hicks, C. W., Sutherland, Fla. Insecticide. No. 907,498; Dec. 22; Sp. p. 4645; Gaz. vol. 137; p. 1848.
- Hicks, E. and C., Montezuma, Iowa. Belt-holder for engines. No. 900,538; Oct. 6; Sp. p. 1002; Dr. p. 204; Gaz. vol. 136; p. 1226.
- Hicks, E. J., assignor to R. L. Hicks, Indianapolis, Ind. Combined saw jointer and gage. No. 883,641; Mar. 31; Sp. p. 6303; Dr. p. 1345; Gaz. vol. 133; p. 1152.
- Hicks, E. O., St. Joseph, Mo. Automatic railway-curve lubricator. No. 905,531; Dec. 1; Sp. p. 856; Gaz. vol. 137; p. 1119.
- Hicks, G. J., Ardley, N. Y. Blending-machine. No. 889,606; June 2; Sp. p. 820; Dr. p. 187; Gaz. vol. 134; p. 1191.
- Hicks, H. L., Martins Ferry, Ohio. Thermostatic circuit-controller. No. 895,460; Aug. 11; Sp. p. 1382; Dr. p. 291; Gaz. vol. 135; p. 1145.
- Hicks Improved Engine Brake Company. (See Hicks, J. A., assignor.)
- Hicks, J. A., Summit, N. J., assignor to Auto Stopper Company, New York, N. Y. Apparatus for removing glaze from glass vessels. No. 879,167; Feb. 18; Sp. p. 2636; Dr. p. 550; Gaz. vol. 132; p. 1340.
- Hicks, J. A., Summit, N. J., assignor, by mesne assignments, to Auto Stopper Company, New York, N. Y. Means for sealing vessels. No. 885,846; Apr. 28; Sp. p. 4486; Dr. p. 942; Gaz. vol. 133; p. 1989.
- Hicks, J. A., assignor to Hicks Improved Engine Brake Company, Atlanta, Ga. Angle-cock for fluid-pressure brake systems. No. 895,756; Aug. 11; Sp. p. 1958; Dr. pp. 414-15; Gaz. vol. 135; p. 1241.
- Hicks, J. A., assignor to Hicks Improved Engine Brake Company, Atlanta, Ga. Feed and quick-release valve. No. 897,741; Sept. 1; Sp. p. 1007; Dr. p. 214; Gaz. vol. 136; p. 163.
- Hicks, J. B., Wolf Pit township, Richmond county, N. C. Combined plow and fertilizer-distributor. No. 877,424; Jan. 21; Sp. p. 3564; Dr. p. 770; Gaz. vol. 132; p. 649.
- Hicks, J. M., Summit, N. J., assignor to Auto Stopper Company, New York, N. Y. Means for sealing vessels. No. 895,461; Aug. 11; Sp. p. 1385; Dr. p. 291; Gaz. vol. 135; p. 1146.
- Hicks, J. M., Summit, N. J., assignor to Auto Stopper Company. Means for sealing vessels. No. 899,732; Sept. 29; Sp. p. 4928; Dr. p. 1057; Gaz. vol. 136; p. 931.
- Hicks, J. W., *et al.* (See Cumming, W. O., assignor.)
- Hicks, J. W., assignor to Oriental Candy Company, Chicago, Ill. Wrapping-machine. No. 879,544; Feb. 18; Sp. p. 3392; Dr. pp. 710-12; Gaz. vol. 132; p. 1462.
- Hicks, L. (See Linville and Hicks.)
- Hicks, M., Essex, Mo. Swingletree. No. 878,392; Feb. 4; Sp. p. 1002; Dr. p. 202; Gaz. vol. 132; p. 1013.
- Hicks, R. C., *et al.* (See Cumming, W. O., assignor.)
- Hicks, R. L. (See Hicks, E. J., assignor.)
- Hicks, R. P., Minneapolis, Minn. Running-gear for motor-driven vehicles. No. 880,076; Feb. 25; Sp. p. 4523; Dr. p. 952; Gaz. vol. 132; p. 1668.
- Hidden, G., Wayland, Mass. Rotary engine. No. 893,801; July 21; Sp. p. 2970; Dr. p. 608; Gaz. vol. 135; p. 526.

Alphabetical list of patentees—Continued.

- Hieber, W. F. (See Korb and Hieber.)
Hiegel, J. L., assignor of one-half to E. H. Wendtland, Dallas, Tex. Oil-press. No. 900,927; Oct. 13; Sp. p. 1832; Dr. pp. 372-3; Gaz. vol. 136; p. 1380.
Hien, P., Chicago, Ill. Friction-spring. No. 879,545; Feb. 18; Sp. p. 3401; Dr. pp. 712-13; Gaz. vol. 132; p. 1462.
Hieriing, C., and A. Fuller, assignors to J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 887,044; May 5; Sp. p. 1398; Dr. p. 297; Gaz. vol. 134; p. 232.
Hieriing, C., and A. Fuller, assignors to J. E. Mergott, Newark, N. J. Bag-fastener. No. 908,004; Dec. 29; Sp. p. 5738; Gaz. vol. 137; p. 2044.
Hiersing, O., assignor to Union Water Meter Company, Worcester, Mass. Water-meter. No. 884,491; Apr. 14; Sp. p. 1663; Dr. p. 358; Gaz. vol. 133; p. 1488.
Higbee, A. J., Callaway, Nebr. Ratchet-wrench. No. 894,641; July 28; Sp. p. 4715; Dr. p. 979; Gaz. vol. 135; p. 822.
Higdon, J. C., St. Louis, Mo. Steering-gear for automobiles. No. 885,249; Apr. 21; Sp. p. 3263; Dr. p. 681; Gaz. vol. 133; p. 1768.
Higdon, J. C., St. Louis, Mo. Motor attachment for vehicles. No. 893,498; July 14; Sp. p. 2258; Dr. p. 474; Gaz. vol. 135; p. 396.
Higgin, H., assignor to Higgin Manufacturing Company, Newport, Ky. Elevator safety-lock. No. 895,562; Aug. 11; Sp. p. 1580; Dr. p. 334; Gaz. vol. 135; p. 1179.
Higgin Manufacturing Company. (See Higgin, H., assignor.)
Higgin Manufacturing Company. (See Steely, H. G., assignor.)
Higginbotham, D. J., Rialto, Fla. Nut-lock. No. 904,956; Nov. 24; Sp. p. 4996; Gaz. vol. 137; p. 892.
Higginbotham, R. H., Village Springs, Ala. Rotary engine. No. 876,184; Jan. 7; Sp. p. 967; Dr. p. 209; Gaz. vol. 132; p. 164.
Higgins, A. H. (See Gardner and Higgins.)
Higgins, C. C., Woodmere, N. Y. Window-lock. No. 900,539; Oct. 6; Sp. p. 1004; Dr. p. 204; Gaz. vol. 136; p. 1227.
Higgins, C. H., Ottawa, Ontario, Canada. Aseptic package for vaccine or virus. No. 900,168; Oct. 6; Sp. p. 203; Dr. p. 41; Gaz. vol. 136; p. 1105.
Higgins, C. H., Ottawa, Ontario, Canada. Vaccinating-needle. No. 904,779; Nov. 24; Sp. p. 4627; Gaz. vol. 137; p. 832.
Higgins, C. L., Montreal, Quebec, Canada. Automobile-tire casing. No. 889,927; June 9; Sp. p. 1452; Dr. p. 328; Gaz. vol. 134; p. 1319.
Higgins, E., assignor to American Suction Gas Producer Company, Lansing, Mich. Gas-purifying apparatus. No. 889,229; June 2; Sp. p. 77; Dr. p. 17; Gaz. vol. 134; p. 1070.
Higgins, E. C., Bayonne, N. J. Extracting tin. No. 902,581; Nov. 3; Sp. p. 102; Gaz. vol. 137; p. 16.
Higgins, E. E., St. Paul, and H. L. McCoy, Minneapolis, Minn. Colander. No. 881,924; Mar. 17; Sp. p. 2881; Dr. p. 614; Gaz. vol. 133; p. 532.
Higgins, F. H. W., London, England. Telegraph transmitting instrument. No. 894,142; July 21; Sp. p. 3672; Dr. pp. 759-61; Gaz. vol. 135; p. 639.
Higgins, F. H. W., London, England. Perforating, punching machine, &c. No. 894,143; July 21; Sp. p. 3678; Dr. pp. 761-3; Gaz. vol. 135; p. 639.
Higgins, H. A., Kenosha, Wis., assignor to Coe Brass Manufacturing Company. Hydraulic machinery. No. 894,737; July 28; Sp. p. 4891; Dr. p. 1018; Gaz. vol. 135; p. 853.
Higgins, H. B., Minneapolis, Minn. Position-indicator for grain-distributing devices. No. 887,805; May 19; Sp. p. 2995; Dr. p. 629; Gaz. vol. 134; p. 543.
Higgins, H. B., Denver, Colo. Separable hinge for screens. No. 892,993; July 14; Sp. p. 1243; Dr. p. 261; Gaz. vol. 135; p. 232.
Higgins, J. E., North Loup, Nebr. Gate. No. 896,016; Aug. 11; Sp. p. 2483; Dr. pp. 534-5; Gaz. vol. 135; p. 1325.
Higgins, J. W., Somerville, Mass. Desk. No. 898,106; Sept. 8; Sp. p. 1789; Dr. p. 380; Gaz. vol. 136; p. 312.
Higgins, L. E., New York, N. Y. Broom-holder. No. 894,642; July 28; Sp. p. 4716; Dr. p. 979; Gaz. vol. 135; p. 822.
Higgins, P. M., and L. D. Harmes, Houston, Tex. Street or station indicator. No. 876,803; Jan. 14; Sp. p. 2256; Dr. pp. 496-7; Gaz. vol. 132; p. 401.
Higgins, S. W., assignor of one-half to F. H. Farnsworth, Detroit, Mich. Spring-wheel. No. 889,782; June 2; Sp. p. 1151; Dr. p. 267; Gaz. vol. 134; p. 1245.
Higgins, V., F. W. Davis, and F. H. Atkinson, Chicago, Ill. Drafting instrument. No. 888,709; May 26; Sp. p. 4789; Dr. p. 1020; Gaz. vol. 134; p. 869.
Higgins, W. J., and C. J. Sheridan, Buffalo, N. Y. Electric signaling system for railways. No. 901,899; Oct. 20; Sp. p. 3819; Dr. p. 778; Gaz. vol. 136; p. 1733.
Higginson, J., Jr., Stockport, England. Gassing-machine for yarn and thread. No. 875,711; Jan. 7; Sp. p. 65; Dr. pp. 13-14; Gaz. vol. 132; p. 14.
Higgs, W. A., Caro, Mich. Combined seed-planter and fertilizer-distributor. No. 893,584; July 14; Sp. p. 2452; Dr. p. 510; Gaz. vol. 135; p. 424.
High Duty Saw and Tool Company. (See Tindel, A., assignor.)
High, H., Boonton, N. J. Reeling-machine. No. 907,801; Dec. 29; Sp. p. 5306; Gaz. vol. 137; p. 1978.
Higham, D., Bridgeport, Conn. Graphophone. No. 876,350; Jan. 14; Sp. p. 1316; Dr. pp. 284-5; Gaz. vol. 132; p. 250.
Hightfield, J. S., London, England. Electrical distribution. No. 885,847; Apr. 28; Sp. p. 4487; Dr. p. 942; Gaz. vol. 133; p. 1989.
Highland, C. B. (See Toothman, O. S., assignor.)
Highland, N., Lima, Ohio. Sled. No. 883,882; Apr. 7; Sp. p. 432; Dr. p. 85; Gaz. vol. 133; p. 1260.
Hight, A. W., Ballard, Wash., assignor to H. G. Monen, Toledo, Ohio. Spirit-level. No. 883,642; Mar. 31; Sp. p. 6305; Dr. p. 1345; Gaz. vol. 133; p. 1153.
Hight, N., Wolfboro, N. H. Knockdown plant-box. No. 879,769; Feb. 18; Sp. p. 3855; Dr. p. 807; Gaz. vol. 132; p. 1534.
Hightower, J. B., Aiken, S. C. Combined door holder and bumper. No. 886,503; May 5; Sp. p. 323; Dr. p. 66; Gaz. vol. 134; p. 59.
Hightower, T. J., Murfreesboro, Tenn. Gate. No. 879,049; Feb. 11; Sp. p. 2366; Dr. p. 495; Gaz. vol. 132; p. 1259.
Higley, C. J. (See Price, V., assignor.)
Higley, J. M., Niles, Cal. Talking-machine-disk protector. No. 877,842; Jan. 28; Sp. p. 4378; Dr. p. 952; Gaz. vol. 132; p. 803.
Higman, J., St. Joseph, Mich. Basket-handle. No. 879,103; Feb. 11; Sp. p. 2487; Dr. p. 518; Gaz. vol. 132; p. 1276.
Higuchi, M., New York, N. Y. Electric clock. No. 898,648; Sept. 15; Sp. p. 2841; Dr. p. 607; Gaz. vol. 136; p. 518.
Higuchi, M., New York, N. Y. Electric clock. No. 898,649; Sept. 15; Sp. p. 2844; Dr. pp. 607-8; Gaz. vol. 136; p. 518.
Higuchi, M., New York, N. Y. Electric clock. No. 899,012; Sept. 15; Sp. p. 3494; Dr. p. 749; Gaz. vol. 136; p. 635.
Hilbert Machine Company. (See Mill, A., assignor.)
Hildebrand, F., Deutsch-Wilmersdorf, Germany. Working expansion-engine. No. 886,054; Apr. 28; Sp. p. 4929; Dr. p. 1036; Gaz. vol. 133; p. 2058.
Hildebrandt, A. P., Philadelphia, Pa. Music-leaf turner. No. 897,534; Sept. 1; Sp. p. 605; Dr. pp. 126-7; Gaz. vol. 136; p. 95.
Hildebrandt, H., Halle-on-the-Saale, Germany. Manufacturing condensation products from formaldehyde, tannin, and aromatic monohydroxyl compounds. No. 876,311; Jan. 7; Sp. p. 1238; Gaz. vol. 132; p. 207.
Hildreth, H. L. (See Robinson and Deiter, assignors.)
Hildreth, L. M., New Haven, Conn. Scraper. No. 892,052; June 30; Sp. p. 5832; Dr. p. 1254; Gaz. vol. 134; p. 2114.
Hile, O., Princeton, Nebr. Furnace. No. 903,720; Nov. 10; Sp. p. 2370; Gaz. vol. 137; p. 416.
Hileman, D., Monongah, W. Va. Door-lock. No. 903,857; Nov. 17; Sp. p. 2661; Gaz. vol. 137; p. 494.
Hiles, T. L., Chicago, Ill. Headlight. No. 905,312; Dec. 1; Sp. p. 353; Gaz. vol. 137; p. 1044.
Hilfiker, F. O., Ilion, N. Y. Water-closet. No. 902,295; Oct. 27; Sp. p. 4649; Dr. p. 944; Gaz. vol. 136; p. 1891.
Hilger, B., assignor to F. J. C. Krahn and M. Bautsch, Elgin, Ill. Spring-tire. No. 891,169; June 16; Sp. p. 3990; Dr. p. 876; Gaz. vol. 134; p. 1758.
Hilger, G. M., Chicago, Ill. Steam-service controlling and recording apparatus. No. 900,540; Oct. 6; Sp. p. 1005; Dr. pp. 204-5; Gaz. vol. 136; p. 1227.
Hilgermann, O. A., Rhineland, Wis. Bung-closure for barrels. No. 885,997; Apr. 28; Sp. p. 4811; Dr. p. 1010; Gaz. vol. 133; p. 2040.
Hilker, E. (See Gould, C. T. E., assignor.)
Hilker, E., Chicago, Ill. Vaginal syringe. No. 877,926; Feb. 4; Sp. p. 66; Dr. p. 13; Gaz. vol. 132; p. 860.
Hilker, E., Chicago, Ill. Combined mop and wringer therefor. No. 897,465; Sept. 1; Sp. p. 465; Dr. p. 99; Gaz. vol. 136; p. 73.
Hill, A., Philadelphia, Pa. Corset-shield. No. 888,330; May 19; Sp. p. 3982; Dr. p. 839; Gaz. vol. 134; p. 711.
Hill, A. M., New Haven, Conn., assignor to C. U. Ely, Brooklyn, N. Y. Anode. No. 882,110; Mar. 17; Sp. p. 3260; Dr. p. 693; Gaz. vol. 133; p. 593.
Hill, A. W. (See Rice and Hill.)
Hill, B. B., assignor to B. B. Hill Manufacturing Company, Philadelphia, Pa. Dating-stamp. No. 902,582; Nov. 3; Sp. p. 103; Gaz. vol. 137; p. 17.
Hill, B. E., Pittsburg, Kans. Compressor. No. 883,332; Apr. 7; Sp. p. 1332; Dr. p. 283; Gaz. vol. 133; p. 1406.
Hill, C., Ogden, assignor of one-half to G. H. Nieman, Fithian, Ill. Gate. No. 884,333; Apr. 7; Sp. p. 1333; Dr. pp. 283-4; Gaz. vol. 133; p. 1406.
Hill, C. B., trustee. (See Bartholomew, W. H., assignor.)
Hill, C. D. (See Deason, A. E., assignor.)
Hill, C. H., Scranton, Pa. Umbrella. No. 885,752; Apr. 28; Sp. p. 4291; Dr. p. 898; Gaz. vol. 133; p. 1957.

Alphabetical list of patentees—Continued.

- Hill, C. M. (See Zahnter, E. P., assignor.)
Hill, E., Norwalk, Conn. Knob attachment. No. 907,353; Dec. 22; Sp. p. 4338; Gaz. vol. 137; p. 1799.
Hill, E. A., assignor to Chicago Grain Door Company, Chicago, Ill. Car-door bracket. No. 894,002; July 21; Sp. p. 3391; Dr. p. 694; Gaz. vol. 135; p. 592.
Hill, E. M., Nanty Glo, Pa. Canceling-machine. No. 897,103; Aug. 25; Sp. p. 4696; Dr. p. 1001; Gaz. vol. 135; p. 1724.
Hill Electrical Manufacturing Company. (See Hill, H. M., assignor.)
Hill, F. M., and W. C. Davis, Columbus, Ohio. Electric railway-signal. No. 879,168; Feb. 18; Sp. p. 2637; Dr. p. 550; Gaz. vol. 132; p. 1340.
Hill, G. H., Schenectady, N. Y., assignor to General Electric Company. Contactor. No. 894,643; July 28; Sp. p. 4717; Dr. p. 979; Gaz. vol. 135; p. 823.
Hill, G. H., Schenectady, N. Y., assignor to General Electric Company. Busline coupling-socket. No. 894,644; July 28; Sp. p. 4718; Dr. p. 980; Gaz. vol. 135; p. 823.
Hill, G. H., Schenectady, N. Y., assignor to General Electric Company. Contactor. No. 894,645; July 28; Sp. p. 4721; Dr. p. 980; Gaz. vol. 135; p. 823.
Hill, G. H., Schenectady, N. Y., assignor to General Electric Company. System of control. No. 904,780; Nov. 24; Sp. p. 4627; Gaz. vol. 137; p. 833.
Hill, G. H., Schenectady, N. Y., assignor to General Electric Company. System of motor control. No. 908,408; Dec. 29; Sp. p. 6584; Gaz. vol. 137; p. 2182.
Hill, G. R., *et al.* (See Baum, J. B., assignor.)
Hill, G. S., Bradford, assignor to Hill Motor Car Company, Haverhill, Mass. Heat-dissipating device for gas-engines. No. 898,107; Sept. 8; Sp. p. 1791; Dr. p. 380; Gaz. vol. 136; p. 312.
Hill, H., Kiowa, Kans. Trace-carrier. No. 878,393; Feb. 4; Sp. p. 1003; Dr. p. 203; Gaz. vol. 132; p. 1013.
Hill, H., Kiowa, Kans. Trace-carrier. No. 895,860; Aug. 11; Sp. p. 2176; Dr. p. 462; Gaz. vol. 135; p. 1275.
Hill, H., Greenwich, Conn., assignor to Darcy & Speck, Philadelphia, Pa. Amusement apparatus. No. 879,872; Feb. 25; Sp. p. 4094; Dr. pp. 858-9; Gaz. vol. 132; p. 1601.
Hill, H. A., Delafeld, Wis. Electric safety system. No. 876,804; Jan. 14; Sp. p. 2259; Dr. p. 497; Gaz. vol. 132; p. 401.
Hill, H. E., Haverhill, assignor to Reece Button Hole Machine Company, Boston, Mass. Sewing-machine for finishing buttonhole-pieces, *etc.* No. 889,882; June 2; Sp. p. 1346; Dr. pp. 307-8; Gaz. vol. 135; p. 1279.
Hill, H. F., Scotia, Cal. Saw-filing device. No. 903,721; Nov. 10; Sp. p. 2371; Gaz. vol. 137; p. 417.
Hill, H. L. (See Wright, A. N., assignor.)
Hill, H. M., assignor to Hill Electrical Manufacturing Company, St. Louis, Mo. Electrical water-heater. No. 891,254; June 23; Sp. p. 4186; Dr. p. 917; Gaz. vol. 134; p. 1819.
Hill, H. M., assignor to Hill Electrical Manufacturing Company, St. Louis, Mo. Water-heating system. No. 895,638; Aug. 11; Sp. p. 1719; Dr. p. 365; Gaz. vol. 135; p. 1203.
Hill, H. M., Dallas, Tex., and C. O. Farrington, Chicago, Ill. Syringe. No. 906,711; Dec. 15; Sp. p. 3076; Gaz. vol. 137; p. 1554.
Hill, J., Jersey City, N. J. Smoke-bell for gas-burners. No. 907,354; Dec. 22; Sp. p. 4339; Gaz. vol. 137; p. 1800.
Hill, J., Williamsport, assignor of one-third to R. L. Signor, Wilkinsburg, Pa. Street-flushing apparatus. No. 900,015; Sept. 29; Sp. p. 5543; Dr. pp. 1181-2; Gaz. vol. 136; p. 1025.
Hill, J. B., Findlay, Ohio. Digging-machine. No. 885,343; Apr. 21; Sp. p. 3461; Dr. p. 721; Gaz. vol. 133; p. 1799.
Hill, J. C., Chicago, Ill. Lubricator. No. 902,583; Nov. 3; Sp. p. 106; Gaz. vol. 137; p. 17.
Hill, J. E., Center Harbor, N. H. Match-safe. No. 904,872; Nov. 24; Sp. p. 4838; Gaz. vol. 137; p. 864.
Hill, J. E., Menasha, assignor of two-thirds to W. M. and T. M. Gilbert, Neenah, Wis. Pump-valve. No. 904,431; Nov. 17; Sp. p. 3878; Gaz. vol. 137; p. 689.
Hill, J. E., Peoria, Ill., and W. W. Brower, assignors, by mesne assignments, to Sattley Stacker Company, Indianapolis, Ind. Grain or seed separating device. (Reissue.) No. 12,891; Dec. 1; Sp. p. 1415; Gaz. vol. 137; p. 1216.
Hill, J. F. (See Sinclair, A. J., assignor.)
Hill, J. L., Williamsport, Pa. Lotion and toilet wash. No. 885,154; Apr. 21; Sp. p. 3059; Gaz. vol. 133; p. 1735.
Hill, L., assignor to Jones Improved Loose Leaf Specialty Company, Chicago, Ill. Loose-leaf binder. No. 897,535; Sept. 1; Sp. p. 607; Dr. p. 127; Gaz. vol. 136; p. 95.
Hill, L. C. (See Hartman, E., assignor.)
Hill, M. E., assignor to Collapsible Hanger Company, Washington, D. C. Supporting or display rack or stand. No. 896,990; Aug. 25; Sp. p. 4472; Dr. p. 955; Gaz. vol. 135; p. 1687.
Hill Motor Car Company. (See Hill, G. S., assignor.)
Hill, R. A., *et al.* (See Baum, J. B., assignor.)
Hill, R. I., Elyria, Ohio. Coin-controlled vending-machine. No. 899,979; Sept. 29; Sp. p. 5458; Dr. p. 1164; Gaz. vol. 136; p. 1012.
Hill, R. S., assignor to Beckwith Organ Company, Incorporated, Louisville, Ky. Pedal-actuated stop mechanism for musical instruments. No. 888,400; May 19; Sp. p. 4124; Dr. p. 870; Gaz. vol. 134; p. 734.
Hill T. A., Bivins, Tex. Mail-holder. No. 883,198; Mar. 31; Sp. p. 5395; Dr. p. 1148; Gaz. vol. 133; p. 1011.
Hill, U. H., El Paso, Tex. Auto-door stop. No. 902,730; Nov. 3; Sp. p. 396; Gaz. vol. 137; p. 68.
Hill, W., Denver, Colo. Window. No. 895,402; Aug. 4; Sp. p. 1246; Dr. p. 263; Gaz. vol. 135; p. 1102.
Hill, W. H., Kushequa, Pa. Brick, block, or tile cutter or shaper. No. 899,980; Sept. 29; Sp. p. 5461; Dr. p. 1165; Gaz. vol. 136; p. 1013.
Hill, W. H., and H. B. Wright, Chicago, Ill. Dump-wagon. No. 877,338; Jan. 21; Sp. p. 3396; Dr. pp. 736-7; Gaz. vol. 132; p. 620.
Hill, W. I., Clarksburg, W. Va. Roll-scraper. No. 891,694; June 23; Sp. p. 5110; Dr. p. 1103; Gaz. vol. 134; p. 1965.
Hill, W. I., Clarksburg, W. Va. Tinning apparatus. No. 901,900; Oct. 20; Sp. p. 3824; Dr. p. 778; Gaz. vol. 136; p. 1734.
Hill, W. J., Philadelphia, Pa. Coin-controlled gasometer. No. 904,957; Nov. 24; Sp. p. 4996; Gaz. vol. 137; p. 892.
Hill, W. R. T., assignor of one-third to J. M. Horner, Asheville, N. C. Piano-forte. No. 901,615; Oct. 20; Sp. p. 3238; Dr. pp. 663-4; Gaz. vol. 136; p. 1640.
Hill, W. S., assignor of one-half to J. F. Mooar, Hyde Park, Mass. Trap-nest. No. 890,649; June 16; Sp. p. 2952; Dr. p. 646; Gaz. vol. 134; p. 1590.
Hillback, A. A., San Francisco, Cal. Power miter-saw. No. 886,055; Apr. 28; Sp. p. 4930; Dr. p. 1036; Gaz. vol. 133; p. 2058.
Hille, C. L., Boston, Mass. Watch-fob. No. 878,800; Feb. 11; Sp. p. 1921; Dr. p. 396; Gaz. vol. 132; p. 1181.
Hillebrand, F. (See Miller, C. E., assignor.)
Hiller, C., St. Louis, Mo. Pliers. No. 905,074; Nov. 24; Sp. p. 5211; Gaz. vol. 137; p. 931.
Hiller, G., Zittau, Germany. Device for separating the ends of warp-threads in warp-twisting machines. No. 880,215; Feb. 25; Sp. p. 4799; Dr. pp. 1016-18; Gaz. vol. 132; p. 1714.
Hiller, J. L., Mattapoisett, Mass., and G. W. Borton, Haddonfield, N. J. Hammer-crusher. No. 896,019; Aug. 11; Sp. p. 2490; Dr. p. 536; Gaz. vol. 135; p. 1326.
Hilliard, J. D., Jr., and C. E. Parsons, Glens Falls, N. Y. Electric oil-switch. No. 882,388; Mar. 17; Sp. p. 3783; Dr. p. 808; Gaz. vol. 133; p. 682.
Hilliard, J. D., Jr., and C. E. Parsons, Utica, N. Y. Electrical switch. No. 887,723; May 12; Sp. p. 2801; Dr. pp. 592-3; Gaz. vol. 134; p. 486.
Hilliard, W. J., Elmira, N. Y. Friction-clutch. No. 880,664; Mar. 3; Sp. p. 349; Dr. p. 77; Gaz. vol. 133; p. 61.
Hillier, H. H., Pasadena, Cal. Fire-alarm system. No. 882,758; Mar. 24; Sp. p. 4505; Dr. pp. 960-1; Gaz. vol. 133; p. 837.
Hillman, C. T., Rochester, Pa. Tooth-brush. No. 876,185; Jan. 7; Sp. p. 969; Dr. p. 209; Gaz. vol. 132; p. 165.
Hillman, E. B., and L. E. Roberts, Chico, Cal., said Roberts assignor to said Hillman. Automatic pressure retaining and graduating release device for air-brakes. No. 876,876; Jan. 14; Sp. p. 2410; Dr. pp. 525-6; Gaz. vol. 132; p. 425.
Hillman, E. D., Larchmont Manor, N. Y., assignor to B. A. Hegeman, Jr., North Plainfield, N. J. Railway-car brake and other mechanism. No. 879,384; Feb. 18; Sp. p. 3048; Dr. p. 635; Gaz. vol. 132; p. 1409.
Hillman, J. H., Pittsburg, Pa. Manufacture of coke. No. 881,685; Mar. 10; Sp. p. 2365; Dr. p. 512; Gaz. vol. 133; p. 425.
Hillpot Manufacturing Company. (See Hillpot, O. F., assignor.)
Hillpot, O. F., Easton, Pa., assignor to Hillpot Manufacturing Company, Trenton, N. J. Ventilator. No. 893,585; July 14; Sp. p. 2454; Dr. p. 511; Gaz. vol. 135; p. 424.
Hills, E. T., assignor of one-half to P. C. Hosmer, Salt Lake City, Utah. Type-writing-machine attachment. No. 880,077; Feb. 25; Sp. p. 4526; Dr. p. 953; Gaz. vol. 132; p. 1669.
Hills, G. (See Keith and Hills.)
Hills, J. E. (See Maley and Hills.)
Hills, S. C., assignor of one-half to F. M. Travis, Torrington, Conn. Center-square. No. 894,498; July 28; Sp. p. 4433; Dr. p. 917; Gaz. vol. 135; p. 776.
Hills, W., Jr., East Orange, N. J. Bleaching nuts. No. 905,075; Nov. 24; Sp. p. 5212; Gaz. vol. 137; p. 931.
Hills, W. C., Colburn, Idaho. Cabinet for graphophones and records therefor. No. 903,977; Nov. 17; Sp. p. 2929; Gaz. vol. 137; p. 535.
Hills, W. J., Watford, Pa. Window-sash fastener. No. 880,530; Mar. 3; Sp. p. 71; Dr. p. 17; Gaz. vol. 133; p. 15.
Hills, W. W., Kalkaska, Mich. Coupling for whiffletrees. No. 884,388; Apr. 14; Sp. p. 1461; Dr. p. 311; Gaz. vol. 133; p. 1455.
Hillson, W. E., Crandon, Wis. Wave-motor. No. 882,883; Mar. 24; Sp. p. 4767; Dr. p. 1014; Gaz. vol. 133; p. 878.

Alphabetical list of patentees—Continued.

- Hillyer, J. S., Proctor, Minn. Rotary engine. No. 892,374; June 30; Sp. p. 6440; Dr. pp. 1389-90; Gaz. vol. 134; p. 2219.
- Hilprecht, R., assignor to Olds Gas Power Company, Lansing, Mich. Grate for gas-producers. No. 885,155; Apr. 21; Sp. p. 3060; Dr. p. 642; Gaz. vol. 133; p. 1736.
- Hilton Coupling Company. (See Hilton, R. C., assignor.)
- Hilton, J. T. (See Kessler, W. H., assignor.)
- Hilton, R. C., Quincy, assignor, by mesne assignments, to Hilton Coupling Company, Boston, Mass. Coupling attachment. No. 906,135; Dec. 8; Sp. p. 2004; Gaz. vol. 137; p. 1342.
- Hilton, W. B., Atlanta, Ga. Harness. No. 886,504; May 5; Sp. p. 324; Dr. p. 66; Gaz. vol. 134; p. 60.
- Hilzinger, W., Stuttgart, Germany. Letter-press copying-block. No. 877,565; Jan. 28; Sp. p. 3867; Dr. p. 836; Gaz. vol. 132; p. 716.
- Himbury, W. H. (See Hutton and Himbury.)
- Himebaugh, C. D., assignor to Sheffield Manufacturing Company, Burr Oak, Mich. Hand cultivator or plow. No. 896,058; Aug. 11; Sp. p. 2555; Dr. p. 552; Gaz. vol. 135; p. 1339.
- Himmelreich, M. (See Kahle and Himmelreich.)
- Himmelsbach, J. G., assignor to C. L. Barr, Lancaster, Pa. Lawn-edge trimmer. No. 895,181; Aug. 4; Sp. p. 809; Dr. p. 169; Gaz. vol. 135; p. 1029.
- Himmelwright, A. L. A., New York, N. Y., assignor to New Jersey Wire Cloth Company, Trenton, N. J. Fireproof structure. No. 904,535; Nov. 24; Sp. p. 4118; Gaz. vol. 137; p. 751.
- Himoff, M., New York, N. Y., assignor to Himoff Machine Company. Machine for making mouthpiece cigarette-tubes. No. 896,911; Aug. 25; Sp. p. 4300; Dr. pp. 919-20; Gaz. vol. 135; p. 1661.
- Himoff Machine Company. (See Himoff, M., assignor.)
- Hinchman, G. N., Webster Groves, Mo. Adding-machine. No. 899,398; Sept. 22; Sp. p. 4244; Dr. pp. 911-12; Gaz. vol. 136; p. 787.
- Hinchman, J. B., Denver, Colo. Mixing-machine. No. 892,518; July 7; Sp. p. 252; Dr. p. 53; Gaz. vol. 135; p. 47.
- Hinchman, J. B., Denver, Colo. Delivery-spout for mixing-machines. No. 892,519; July 7; Sp. p. 255; Dr. p. 54; Gaz. vol. 135; p. 47.
- Hinck, J. F., Crookston, Minn. Wagon-scale. No. 894,646; July 28; Sp. p. 4722; Dr. pp. 980-1; Gaz. vol. 135; p. 824.
- Hinckley, J. F. (See Edmunds and Pendleton, assignors.)
- Hinckley, J. L., *et al.* (See Sandler, J., assignor.)
- Hinde & Dauch Paper Company. (See Hinde, J. J., assignor.)
- Hinde & Dauch Paper Company. (See Morton, L. D., assignor.)
- Hinde, H. J., assignor to Toledo Machine & Tool Company, Toledo, Ohio. Drawing-press. No. 883,021; Mar. 24; Sp. p. 5029; Dr. p. 1070; Gaz. vol. 133; p. 923.
- Hinde, J. J., assignor to Hinde & Dauch Paper Company, Sandusky, Ohio. Apparatus for forming multiply material. No. 905,076; Nov. 24; Sp. p. 5213; Gaz. vol. 137; p. 931.
- Hindman, G. L., Worthington, Pa. Metal rail-tie. No. 880,381; Feb. 25; Sp. p. 5124; Dr. p. 1082; Gaz. vol. 132; p. 1769.
- Hindmarsh, P. J., assignor of one-half to G. L. Carter, Lincoln, Nebr. Target-trap. No. 894,738; July 28; Sp. p. 4894; Dr. pp. 1018-19; Gaz. vol. 135; p. 854.
- Hinds, W., *et al.* (See Henderson, W. W., assignor.)
- Hinds, W. E., Auburn, Ala. Cultivator for destroying cotton-boll weevils. No. 891,224; June 16; Sp. p. 4115; Dr. p. 902; Gaz. vol. 134; p. 1777.
- Hine Box and Printing Co. (See Harrison, E. C., assignor.)
- Hine, C. L., Tuscola, Ill. Nut-lock. No. 882,389; Mar. 17; Sp. p. 3786; Dr. p. 808; Gaz. vol. 133; p. 683.
- Hines, A., Wasco, Oreg. Draft-equalizer. No. 886,805; May 5; Sp. p. 970; Dr. p. 203; Gaz. vol. 134; p. 158.
- Hines, A., C. Champney, Lyons, and J. L. Crisler, Wellington, Kans. Folding sink or tub. No. 877,770; Jan. 28; Sp. p. 4248; Dr. p. 922; Gaz. vol. 132; p. 780.
- Hines, E. G., Drums, Pa. Spring-clevis. No. 906,712; Dec. 15; Sp. p. 3078; Gaz. vol. 137; p. 1555.
- Hines, J. M., Albany, N. Y. Brake-applying mechanism. No. 876,456; Jan. 14; Sp. p. 1554; Dr. p. 333; Gaz. vol. 132; p. 285.
- Hines, J. M., Albany, N. Y. Brake-applying mechanism. No. 878,065; Feb. 4; Sp. p. 355; Dr. p. 73; Gaz. vol. 132; p. 905.
- Hines, J. M., and J. S. Barner, Albany, N. Y. Slack-adjuster. No. 890,277; June 9; Sp. p. 2204; Dr. p. 484; Gaz. vol. 134; p. 1436.
- Hinkelman, J., *et al.* (See Bailey, C. H., assignor.)
- Hinklein, J., Frankfort-on-the-Main, Germany. Type-writing machine. No. 895,088; Aug. 4; Sp. p. 624; Dr. p. 129; Gaz. vol. 135; p. 998.
- Hinkley, C. F., Seelyville, Ind. Steam-shovel. No. 901,101; Oct. 13; Sp. p. 2166; Dr. pp. 440-1; Gaz. vol. 136; p. 1436.
- Hinkley, E. J., *et al.*, executors. (See Hinkley, G. M.)
- Hinkley, G. B. (See Blackhall, F. W., assignor.)
- Hinkley, G. M., deceased, (E. J. Hinkley and E. L. Wood, executors), assignor of one-half to Allis-Chalmers Company, Milwaukee, Wis. Adjustable box or bearing. No. 879,265; Feb. 18; Sp. p. 2809; Dr. p. 589; Gaz. vol. 132; p. 1371.
- Hinkson, F. B. (See Frye and Hinkson.)
- Hinman, A. V. and R. L. Munsville, N. Y. Cow-milking machine. No. 907,236; Dec. 22; Sp. p. 4124; Gaz. vol. 137; p. 1759.
- Hinman, C. E., Council Bluffs, Iowa, assignor to Nebraska Milk Pasteurizing Company, Omaha, Nebr. Pasteurizing and sterilizing apparatus. No. 904,615; Nov. 24; Sp. p. 4267; Gaz. vol. 137; p. 777.
- Hinman, C. E., assignor of three-fourths to J. Abramson and E. Pill, Council Bluffs, Iowa. Slidable and collapsible clothes-pin bag. No. 906,713; Dec. 15; Sp. p. 3079; Gaz. vol. 137; p. 1555.
- Hinman, R. L. (See Hinman, A. V. and R. L.)
- Hino, K., and T. Komuro, Ushigome, Tokyo, Japan. Pistol. No. 886,211; Apr. 28; Sp. p. 5210; Dr. pp. 1097-8; Gaz. vol. 133; p. 2168.
- Hinrichs, C. G., St. Louis, Mo. Instrument for comparing and measuring rays of light. No. 894,499; July 28; Sp. p. 4434; Dr. p. 918; Gaz. vol. 135; p. 776.
- Hinton, C. W. (See Ingram and Hinton.)
- Hinton, G. W. (See Myers and Hinton.)
- Hinton, J. R., Cashmere, Wash. Railway-gate. No. 875,814; Jan. 7; Sp. p. 261; Dr. p. 56; Gaz. vol. 132; p. 48.
- Hinton, J. R., Cashmere, Wash. Punitive device. No. 890,905; June 16; Sp. p. 3475; Dr. p. 761; Gaz. vol. 134; p. 1673.
- Hinton, S. (See Barnett, Hadlington, and Hinton.)
- Hintz, E. G., Reading, Pa. Corset. No. 899,165; Sept. 22; Sp. p. 3806; Dr. p. 814; Gaz. vol. 136; p. 714.
- Hintz, O. F., assignor to Farrand Company, Detroit, Mich. Expression attachment. No. 897,288; Sept. 1; Sp. p. 42; Dr. p. 10; Gaz. vol. 136; p. 10.
- Hinzke, A., Munising, assignor of one-half to H. H. Everard, Kalamazoo, Mich. Acid-resisting composition. No. 893,923; July 21; Sp. p. 3219; Dr. p. 663; Gaz. vol. 135; p. 566.
- Hiorth, K. A. F., Christiania, Norway. Electrical smelting-furnace. No. 883,311; Mar. 31; Sp. p. 5629; Dr. p. 1200; Gaz. vol. 133; p. 1048.
- Hiorth, K. A. F., Christiania, Norway. Electric induction-furnace. No. 889,522; June 2; Sp. p. 670; Dr. p. 154; Gaz. vol. 134; p. 1164.
- Hipp, J. M., Greenville, Ga. Railway-switch. No. 891,170; June 16; Sp. p. 3991; Dr. p. 876; Gaz. vol. 134; p. 1758.
- Hipwell, J. B., assignor to Windsor Machine Co., Reading, Pa. Automatic measuring attachment for circular-knitting machines. No. 904,204; Nov. 17; Sp. p. 3409; Gaz. vol. 137; p. 614.
- Hipwell, J. B., assignor to Windsor Machine Company, Reading, Pa. Stop-motion for knitting-machines. No. 906,880; Dec. 15; Sp. p. 3411; Gaz. vol. 137; p. 1608.
- Hirsch, Firm of Dr. (See Packscher, A., assignor.)
- Hirsch, I. S., assignor to E. B. Meyrowitz, New York, N. Y. Spark-gap. No. 898,888; Sept. 15; Sp. p. 3280; Dr. pp. 701-2; Gaz. vol. 136; p. 596.
- Hirsch, M., Philadelphia, Pa. Garment-supporter. No. 878,137; Feb. 4; Sp. p. 481; Dr. p. 103; Gaz. vol. 132; p. 928.
- Hirsch, M., and C. Greil, Reid, Austria-Hungary. Detachable pole for vehicles. No. 890,278; June 9; Sp. p. 2207; Dr. pp. 484-5; Gaz. vol. 134; p. 1437.
- Hirsch, M. A., Franklin, Pa. Clip or elastic-band attachment for books. No. 877,771; Jan. 28; Sp. p. 4249; Dr. p. 922; Gaz. vol. 132; p. 781.
- Hirsch, M. A., Franklin, Pa. Fastener. No. 877,772; Jan. 28; Sp. p. 4251; Dr. p. 923; Gaz. vol. 132; p. 781.
- Hirsch, M. L., and M. H. Eichberg, Baltimore, Md. Machine for making paper bags. No. 903,570; Nov. 10; Sp. p. 2075; Gaz. vol. 137; p. 371.
- Hirschauer, H., *et al.* (See Corcilius, A. B., assignor.)
- Hirschberg, S. C. (See Slevin, F. M., assignor.)
- Hirschberg, S. C. (See Wilcox, H., assignor.)
- Hirschfeld, L., New York, N. Y. Making candy. No. 903,088; Nov. 3; Sp. p. 1114; Gaz. vol. 137; p. 182.
- Hirschfelder, J. O., San Francisco, Cal. Graphophone, phonograph, and the like. No. 886,056; Apr. 28; Sp. p. 4932; Dr. p. 1036; Gaz. vol. 133; p. 2059.
- Hirschfelder, J. O., San Francisco, Cal. Apparatus for phonographs and graphophones. No. 892,520; July 7; Sp. p. 257; Dr. p. 54; Gaz. vol. 135; p. 47.
- Hirschman, M. (See Hayes, J. W., assignor.)

Alphabetical list of patentees—Continued.

- Hirschweh, H., Berlin, Germany. Burner for explosive gas mixtures. No. 908,005; Dec. 29; Sp. p. 5741; Gaz. vol. 137; p. 2044.
- Hirsh, H., Pittsburg, Pa. Spring-seat. No. 885,474; Apr. 21; Sp. p. 3703; Dr. p. 778; Gaz. vol. 133; p. 1840.
- Hirsh, H. M. (See Hirsh, J. F. and H. M.)
- Hirsh, J. F. and H. M., St. Louis, Mo. Sound-muffler. No. 882,684; Mar. 24; Sp. p. 4361; Dr. p. 928; Gaz. vol. 133; p. 814.
- Hirsh, J. F. and H. M., St. Louis, Mo. Door-fastener. No. 898,650; Sept. 15; Sp. p. 2846; Dr. p. 608; Gaz. vol. 136; p. 519.
- Hirst, J. H., assignor of one-half to J. Berg, Toronto, Ontario, Canada. Envelop and wrapper. No. 905,313; Dec. 1; Sp. p. 356; Gaz. vol. 137; p. 1045.
- Hirt, B. F., *et al.* (See Althen, W. C., assignor.)
- Hirt, F., Berlin, Germany, assignor to General Electric Company. Railway-signal. No. 891,339; June 23; Sp. p. 4370; Dr. p. 951; Gaz. vol. 134; p. 1847.
- Hirt, L., assignor to Maschinenfabrik Grevenbroich, Grevenbroich, Germany. Filter. No. 879,963; Feb. 25; Sp. p. 4297; Dr. pp. 898-9; Gaz. vol. 132; p. 1632.
- Hirth, C. A., Cannstatt, Germany. Feed mechanism. No. 899,981; Sept. 29; Sp. p. 5464; Dr. p. 1815; Gaz. vol. 136; p. 1013.
- Hirtz, H., West Hampstead, England. Diaphragm and making the same. No. 885,998; Apr. 28; Sp. p. 4812; Gaz. vol. 133; p. 2040.
- Hiselman, P. J., *et al.* (See Berens, S., assignor.)
- Hislaire, I., Brussels, Belgium, assignor to Universal Produce Preservation Company Ltd., London, England. Apparatus for sterilizing foods. No. 880,452; Feb. 25; Sp. p. 5282; Dr. p. 1111; Gaz. vol. 132; p. 1794.
- Hissink, J., Berlin, Germany. Rotary field-magnet. No. 890,982; June 16; Sp. p. 3665; Dr. p. 798; Gaz. vol. 134; p. 1700.
- Hissink, J., Berlin, Germany. Rotor for dynamos and electromotors. No. 894,144; July 21; Sp. p. 3681; Dr. p. 763; Gaz. vol. 135; p. 640.
- Hissink, J., assignor to Bergmann Elektrizitäts Werke Aktiengesellschaft, Berlin, Germany. Turbine. No. 888,500; May 26; Sp. p. 4352; Dr. p. 921; Gaz. vol. 134; p. 798.
- Histand, H. H., Doylestown, Pa. Snow-guard. No. 907,355; Dec. 22; Sp. p. 4340; Gaz. vol. 137; p. 3600.
- Hitchcock, A. S., Franklin, Pa. Combined wardrobe and disinfecting-cabinet. No. 890,650; June 16; Sp. p. 2954; Dr. p. 647; Gaz. vol. 134; p. 1590.
- Hitchcock, D. A., assignor to Monarch Coupler Company, Ltd., Detroit, Mich. Draft-rigging. No. 884,585; Apr. 14; Sp. p. 1851; Dr. pp. 397-8; Gaz. vol. 133; p. 1518.
- Hitchcock, E. M., Portland, assignor of one-half to H. R. Biersdorf, Multnomah county, Oreg. Supplemental down-draft for stoves. No. 894,777; July 28; Sp. p. 4957; Dr. p. 1034; Gaz. vol. 135; p. 866.
- Hitchcock, O. G., assignor to Hays Manufacturing Company, Erie, Pa. Valve. No. 898,889; Sept. 15; Sp. p. 1282; Dr. p. 702; Gaz. vol. 136; p. 596.
- Hitchcock, S. A. (See Anderson, J. A. E., assignor.)
- Hitchcock, S. W., Dixon, Ill. Chipped-ice bowl. No. 885,475; Apr. 21; Sp. p. 3703; Dr. p. 778; Gaz. vol. 133; p. 1841.
- Hitchon, A., Clayton Manor, Clayton-le-Dale, England. Shaft-coupling. No. 894,500; July 28; Sp. p. 4436; Dr. p. 918; Gaz. vol. 135; p. 777.
- Hitt, E. L., Weiser, Idaho. Animal catching and holding tool. No. 884,156; Apr. 7; Sp. p. 1036; Dr. p. 215; Gaz. vol. 133; p. 1351.
- Hitt, E. L., Weiser, Idaho. Catching and holding device. No. 898,890; Sept. 15; Sp. p. 3283; Dr. p. 702-3; Gaz. vol. 136; p. 596.
- Hitt, J. F. (See Reid, W. W., assignor.)
- Hitzler, G., Jr., Hoboken, N. J. Envelop. No. 886,977; May 5; Sp. p. 1271; Dr. p. 268; Gaz. vol. 134; p. 211.
- Hixson, A. H., Columbus, Ohio. Umbrella. No. 886,125; Apr. 28; Sp. p. 5069; Dr. p. 1064; Gaz. vol. 133; p. 2081.
- Hizer, W., assignor of one-half to H. J. Hayes, Detroit, Mich. Toy. No. 886,505; May 5; Sp. p. 325; Dr. p. 67; Gaz. vol. 134; p. 60.
- Hjermstad, M. M., Kenyon, Minn. Machine for paraffining receptacles. No. 890,983; June 16; Sp. p. 3666; Dr. p. 798; Gaz. vol. 134; p. 1700.
- Hjorth, W. A. W. E. (See Berglund, Hjorth, and Ljungman.)
- Hoadley, F. M. (See Ransom, W. M., assignor.)
- Hoadley, S., Gosport, Ind. Electric switch. No. 881,686; Mar. 10; Sp. p. 2366; Dr. p. 513; Gaz. vol. 133; p. 425.
- Hoag, E. W., and C. R. Kittle, Los Angeles, Cal. Spring bicycle-fork. No. 901,447; Oct. 20; Sp. p. 2904; Dr. pp. 591-2; Gaz. vol. 136; p. 1587.
- Hoag, J. N., Gloversville, N. Y. Compound for stopping leaks in steam apparatus. No. 892,521; July 7; Sp. p. 258; Gaz. vol. 135; p. 48.
- Hoagland, F. O. (See Hanson and Hoagland.)
- Hoak, H. D., Grass Valley, Cal. Combination-tool. No. 876,363; Jan. 21; Sp. p. 2626; Dr. p. 570; Gaz. vol. 132; p. 495.
- Hoard, B. F., and G. A. Paine, Minneapolis, Minn. Rotary engine. No. 904,781; Nov. 24; Sp. p. 4634; Gaz. vol. 137; p. 833.
- Hoard, H. L., Fort Atkinson, Wis. Steering device for sleds. No. 905,314; Dec. 1; Sp. p. 357; Gaz. vol. 137; p. 1045.
- Hoare, J., Belfast, New Zealand. Apparatus for cutting the edges of lawns and the like. No. 890,279; June 9; Sp. p. 2208; Dr. p. 485; Gaz. vol. 134; p. 1437.
- Hobart, A. J., St. Johnsville, assignor to F. Engelhardt & Sons, New York, N. Y. Tune-sheet attachment for autopneumatic pianos. No. 892,423; July 7; Sp. p. 60; Dr. p. 14; Gaz. vol. 135; p. 14.
- Hobart, F. E., Dallas, Tex., assignor to International Conservatory of Music. Music-indicator. No. 877,339; Jan. 21; Sp. p. 3398; Dr. p. 737; Gaz. vol. 132; p. 620.
- Hobbs, F., Widnes, England. Preparing filter-press plates. No. 880,078; Feb. 25; Sp. p. 4528; Dr. p. 953; Gaz. vol. 132.
- Hobbs, C. L., Chicago, Ill. Supplemental hood for automobiles. No. 901,616; Oct. 20; Sp. p. 3239; Dr. p. 664; Gaz. vol. 136; p. 1641.
- Hobbs, C. L., assignor of one-half to W. S. Bryson, Wheeling, W. Va. Sash-lock. No. 901,102; Oct. 13; Sp. p. 2168; Dr. p. 441; Gaz. vol. 136; p. 1436.
- Hobbs, E. R., Buhl, Idaho. Ground-anchor for posts or poles. No. 891,171; June 16; Sp. p. 3993; Dr. p. 877; Gaz. vol. 134; p. 1759.
- Hobbs, E. R., Lamar, Colo., assignor to Dean Electric Company, Elyria, Ohio. Ringer for telephones or the like. (Reissue.) No. 12,828; July 7; Sp. p. 1179; Dr. p. 248; Gaz. vol. 135; p. 198.
- Hobbs, F. W. (See Hobbs, W. C. and F. W.)
- Hobbs, J. E., North Berwick, Me. Attachable sleigh-runner. No. 901,342; Oct. 20; Sp. p. 2633; Dr. p. 541; Gaz. vol. 136; p. 1549.
- Hobbs Manufacturing Company. (See Bird, J. P., assignor.)
- Hobbs, W. C. and F. W., White Lake, S. D. Bin. No. 892,830; July 7; Sp. p. 873; Dr. p. 187; Gaz. vol. 135; p. 147.
- Hobbs, W. F., assignor to Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Nail-puller. No. 900,016; Sept. 29; Sp. p. 5547; Dr. p. 1182; Gaz. vol. 136; p. 1025.
- Hobson, G. J. (See Eddy and Hobson.)
- Hobson, J. S., Edgewood Park, Pa. Detector-bar. No. 893,169; July 14; Sp. p. 1589; Dr. p. 337; Gaz. vol. 135; p. 289.
- Hobson, J. W., Bayonne, N. J. Dumping-wagon. No. 894,003; July 21; Sp. p. 3393; Dr. p. 694; Gaz. vol. 135; p. 593.
- Hoch, A., Providence, R. I. assignor to Wendling Hoch Adding Machine Company, San Francisco, Cal. Adding-machine. No. 898,411; Sept. 8; Sp. p. 2349; Dr. pp. 499-504; Gaz. vol. 136; p. 408.
- Hoehgesand, J. N., Paris, France. Lubricator with supplementary deliveries. No. 892,256; June 30; Sp. p. 6219; Dr. p. 1340; Gaz. vol. 134; p. 2181.
- Hochman, G., New York, N. Y. Player-piano. No. 889,685; June 2; Sp. p. 978; Dr. p. 226; Gaz. vol. 134; p. 1216.
- Hochreutener, H., West Hoboken, N. J. Shuttle-machine embroidery-frame. No. 889,783; June 2; Sp. p. 1153; Dr. p. 267; Gaz. vol. 134; p. 1246.
- Hochstaetter, V. R., New York, N. Y. Sewing-stand. No. 899,696; Sept. 29; Sp. p. 4851; Dr. p. 1039; Gaz. vol. 136; p. 919.
- Hochule, E. J., and J. A. Bousquet, St. Paul, Minn. Metal frame. No. 900,734; Oct. 13; Sp. p. 1420; Dr. p. 288; Gaz. vol. 136; p. 1318.
- Hock, H. W., assignor to Youngstown Sheet and Tube Company, Youngstown, Ohio. Head-block and tension-bar. No. 891,838; June 30; Sp. p. 5415; Dr. p. 1170; Gaz. vol. 134; p. 2045.
- Hock, H. W., assignor to Youngstown Sheet and Tube Company, Youngstown, Ohio. Apparatus for cleaning skelp. No. 896,638; Aug. 18; Sp. p. 3685; Dr. p. 791; Gaz. vol. 135; p. 1547.
- Hock, H. W., assignor to Youngstown Sheet and Tube Company, Youngstown, Ohio. Method and apparatus for making tubes. No. 896,991; Aug. 25; Sp. p. 4474; Dr. p. 955; Gaz. vol. 135; p. 1687.
- Hock, J. A., assignor to National Tube Company, Pittsburg, Pa. Pipe-testing apparatus. No. 906,495; Dec. 8; Sp. p. 2074; Gaz. vol. 137; p. 1461.
- Hockaday, I. N., Wichita, Kans. Paint and color exhibiting device. No. 886,057; Apr. 28; Sp. p. 4933; Dr. p. 1037; Gaz. vol. 133; p. 2059.
- Hockenberry, G. C., Ravenna, Ohio. Campaign-cane. No. 879,640; Feb. 18; Sp. p. 3605; Dr. p. 754; Gaz. vol. 132; p. 1493.
- Hocker, J. F., and B. M. Smith, Monroe, Ind. Lawn-mower sharpener. No. 891,695; June 23; Sp. p. 5112; Dr. p. 1103; Gaz. vol. 134; p. 1965.
- Hocker, W. W. (See Fletcher and Hocker.)
- Hockman, B. P., Burbank, assignor of one-half to A. Brewster, Blackrock, Utah. Smoke-condenser. No. 906,423; Dec. 8; Sp. p. 2538; Gaz. vol. 137; p. 1437.
- Hoequart, E. L., Paris, France. Cycle-wheel gear with means for operating the brake by back-pedaling. No. 892,154; June 30; Sp. p. 6028; Dr. p. 1295; Gaz. vol. 134; p. 2147.
- Hodde, J. H., assignor to Sangamo Electric Company, Springfield, Ill. Electric mercury-motor meter. No. 878,629; Feb. 11; Sp. p. 1593; Dr. p. 325; Gaz. vol. 132; p. 1126.

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- Hodding, H. G. (See Harvey, J. W., assignor.)
- Hodell, F. G., Cleveland, Ohio. Machine for cutting butter, cheese, and the like. No. 899,533; Sept. 29; Sp. p. 4517; Dr. p. 970; Gaz. vol. 136; p. 868.
- Hodgdon, C. W., Somerville, Mass. Lubricator. No. 896,829; Aug. 25; Sp. p. 4106; Dr. p. 882; Gaz. vol. 135; p. 1630.
- Hodgdon, G. Wilkinsburg, Pa. Radiator. No. 880,079; Feb. 25; Sp. p. 4529; Dr. p. 953; Gaz. vol. 132; p. 1669.
- Hodge, R. O., Buffalo, N. Y. Boiler-tube cleaner. No. 878,286; Feb. 4; Sp. p. 804; Dr. p. 161; Gaz. vol. 132; p. 978.
- Hodge, T. A., Kirklin, Ind. Table-spread holder. No. 906,024; Dec. 8; Sp. p. 1792; Gaz. vol. 137; p. 1308.
- Hodges, C. B., Pittsburg, Pa. Apparatus for charging locomotives. No. 901,617; Oct. 20; Sp. p. 3242; Dr. pp. 664-5; Gaz. vol. 136; p. 1641.
- Hodges, C. B., assignor to Detroit Lubricator Company, Detroit, Mich. Force-feed lubricator. No. 893,241; July 14; Sp. p. 1723; Dr. pp. 363-4; Gaz. vol. 135; p. 311.
- Hodges, C. B. and F. W., Detroit, Mich. Lubricator. No. 886,368; May 5; Sp. p. 50; Dr. pp. 10-11; Gaz. vol. 134; p. 13.
- Hodges, F. W. (See Hodges, C. B. and F. W.)
- Hodges, F. W., Detroit, Mich. Carbureter. No. 892,155; June 30; Sp. p. 6030; Dr. p. 1296; Gaz. vol. 134; p. 2147.
- Hodges, F. W., assignor to A. M. Clark, Kalamazoo, Mich. Loose-leaf book. No. 888,440; May 19; Sp. p. 4230; Dr. p. 897; Gaz. vol. 134; p. 749.
- Hodges, P. F., Old Office, Va. Rotary engine. No. 906,424; Dec. 8; Sp. p. 2542; Gaz. vol. 137; p. 1438.
- Hodges, P. F., Old Office, Va. Rotary engine. No. 906,425; Dec. 8; Sp. p. 2544; Gaz. vol. 137; p. 1438.
- Hodgins, B. M., Colorado Springs, Colo. Evaporator-cooler. No. 881,121; Mar. 10; Sp. p. 1253; Dr. p. 270; Gaz. vol. 133; p. 243.
- Hodgins, F. J. (See Leitch, W. A., assignor.)
- Hodgkins, C. H., Attleboro, Mass. Jewelry-polishing device. No. 881,583; Mar. 10; Sp. p. 2168; Dr. p. 473; Gaz. vol. 133; p. 394.
- Hodgkins, F. H., Chicago, Ill. Speed mechanism. No. 881,122; Mar. 10; Sp. p. 1254; Dr. p. 271; Gaz. vol. 133; p. 243.
- Hodgkinson, E. H., London, England. Belt, rope, or chain gearing. No. 882,635; Mar. 24; Sp. p. 4265; Dr. p. 904; Gaz. vol. 133; p. 797.
- Hodgkinson, F., Edgewood Park, Pa., assignor to Westinghouse Machine Company. Valve-controlling mechanism. (Reissue.) No. 12,848; Sept. 8; Sp. p. 2371; Dr. pp. 506-7; Gaz. vol. 136; p. 411.
- Hodgkinson, F., Edgewood Park, Pa., assignor to Westinghouse Machine Company. Governor. No. 900,852; Oct. 13; Sp. p. 1664; Dr. p. 337; Gaz. vol. 136; p. 1356.
- Hodgman, W. K., assignor to Huber-Hodgman Printing Press Company, Taunton, Mass. Printing or plate cylinder for rotary printing-presses. No. 901,295; Oct. 13; Sp. p. 2533; Dr. p. 520; Gaz. vol. 136; p. 1498.
- Hodgson, E. (See Hodgson, T. A., assignor.)
- Hodgson, E., Bonesteel, S. D. Door-holder. No. 879,169; Feb. 18; Sp. p. 2639; Dr. p. 550; Gaz. vol. 132; p. 1340.
- Hodgson, E. G., assignor to one-half to W. Dean, Middletown, Conn. Puzzle. No. 880,993; Mar. 3; Sp. p. 1009; Dr. p. 217; Gaz. vol. 133; p. 172.
- Hodgson, I., assignor to Automobile Wheel & Rim Co., Minneapolis, Minn. Spring-cushioned tire. No. 876,645; Jan. 14; Sp. p. 1987; Dr. p. 432; Gaz. vol. 132; p. 352.
- Hodgson, J. G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Sterilizing sheet-metal cans. No. 905,315; Dec. 1; Sp. p. 358; Gaz. vol. 137; p. 1045.
- Hodgson, J. G., Sr., *et al.* (See Owen and Brooks, assignors.)
- Hodgson, T. A., assignor to E. Hodgson, Ottawa, Ontario, Canada. Window frame and sash. No. 881,239; Mar. 10; Sp. p. 1494; Dr. p. 322; Gaz. vol. 133; p. 282.
- Hodgson, W. D., assignor to A. J. McDonough, Detroit, Mich. Feed-water regulator and alarm. No. 886,295; Apr. 28; Sp. p. 5379; Dr. p. 1130; Gaz. vol. 133; p. 2137.
- Hodson, A., Lincoln, Ill. Safety device for elevators. No. 889,686; June 2; Sp. p. 980; Dr. pp. 226-7; Gaz. vol. 134; p. 1216.
- Hoe, R. (See Church, G. W., assignor.)
- Hoe, R. (See Roesen, O., assignor.)
- Hoe, R. (See Spalekhafer, W., assignor.)
- Hoe, R. (See Tucker, E. D., assignor.)
- Hoeft, A., Peterawe, near Obersitzko, Germany. Motor-wagon. No. 876,351; Jan. 14; Sp. p. 1318; Dr. p. 285; Gaz. vol. 132; p. 250.
- Hoefticke, C. A., London, England. Apparatus for facilitating the putting on of india-rubber gloves. No. 882,312; Mar. 17; Sp. p. 3652; Dr. p. 775; Gaz. vol. 133; p. 658.
- Hoegren, A. G., assignor to Davis Glove Company, Chicago, Ill. Fastener. No. 891,067; June 16; Sp. p. 3816; Dr. p. 833; Gaz. vol. 134; p. 1727.
- Hoehn, C. J. P., and G. Gross, assignors to Enterprise Foundry, San Francisco, Cal. Molding sash-weights. No. 904,958; Nov. 24; Sp. p. 5000; Gaz. vol. 137; p. 892.
- Hoell, E. O., Chicago, Ill., assignor to Atlantic Tool & Machine Co. Rotary explosive-engine. No. 903,470; Nov. 10; Sp. p. 1869; Gaz. vol. 137; p. 338.
- Hoellig, J., and M. Lidster, Los Angeles, Cal. Hollow built-up material for wooden structures. No. 881,074; Mar. 3; Sp. p. 1165; Dr. p. 251; Gaz. vol. 133; p. 198.
- Hoenika, J. A., and J. R. Triplett, Akron, Ohio. Friction-clutch. No. 898,362; Sept. 8; Sp. p. 2257; Dr. p. 481; Gaz. vol. 136; p. 392.
- Hoepner, G., Chicago, Ill. Weighing-machine. No. 883,540; Mar. 31; Sp. p. 6113; Dr. p. 1300-1; Gaz. vol. 133; p. 1122.
- Hoerregott, C. M., Hume, Ill. Carpenter's bevel-square. No. 897,104; Aug. 25; Sp. p. 4698; Dr. p. 1001-2; Gaz. vol. 135; p. 1725.
- Hoering, P., assignor to Firm of Torfkoks, Gesellschaft mit beschränkter Haftung, Berlin, Germany. Apparatus for manufacturing fuel. No. 878,490; Feb. 4; Sp. p. 1201; Dr. p. 247; Gaz. vol. 132; p. 1043.
- Hoering, P., assignor to Torfkoks Gesellschaft mit beschränkter Haftung, Berlin, Germany. Coking hydrous bituminous combustibles. No. 894,647; July 28; Sp. p. 4726; Dr. p. 981; Gaz. vol. 135; p. 824.
- Hoering, P., Berlin, and W. Wieland, Zwischenahn, Germany. Gasification of raw combustible materials. No. 896,912; Aug. 25; Sp. p. 4304; Dr. pp. 920-1; Gaz. vol. 135; p. 1662.
- Hoerle, W. M., Allegheny, Pa. Wall-plug. No. 905,316; Dec. 1; Sp. p. 360; Gaz. vol. 137; p. 1046.
- Hoermann, A. E., New York, N. Y. Hat-frame machine. No. 894,648; July 28; Sp. p. 4727; Dr. p. 981; Gaz. vol. 135; p. 825.
- Hoerr, W. B., Chicago, Ill. Clipping-machine. No. 890,984; June 16; Sp. p. 3669; Dr. p. 799; Gaz. vol. 134; p. 1701.
- Hoessle, C. H., von, Radebeul, near Dresden, assignor to Chemische Fabrik von Heyden, Aktiengesellschaft, Radebeul, Germany. Mirroring glass or like surfaces. No. 906,229; Dec. 8; Sp. p. 2196; Gaz. vol. 137; p. 1375.
- Hoever, A. T., New York, N. Y. Electric vibrating massage-machine. No. 887,328; May 12; Sp. p. 2030; Dr. p. 425; Gaz. vol. 134; p. 355.
- Hof, L. K. (See White and Hof.)
- Hofbauer, J. C., West Hoboken, N. J. Keyboard for musical instruments. No. 875,815; Jan. 7; Sp. p. 262; Dr. p. 57; Gaz. vol. 132; p. 49.
- Hofe, G. D., von, New York, N. Y. Machine for cutting pile designs on fabrics. No. 882,313; Mar. 17; Sp. p. 3654; Dr. p. 775; Gaz. vol. 133; p. 658.
- Hoff, C. L., York, Pa. Tread-grip for vehicle-tires. No. 896,728; Aug. 25; Sp. p. 3873; Dr. p. 838; Gaz. vol. 135; p. 1598.
- Hoff, H. F. A., Cincinnati, Ohio. Attachment for dovetailing-machines. No. 908,099; Dec. 29; Sp. p. 5924; Gaz. vol. 137; p. 2075.
- Hoff, O., New York, N. Y. Subaqueous tunnel. No. 907,356; Dec. 22; Sp. p. 4341; Gaz. vol. 137; p. 1800.
- Hoff, O., Tarrytown, N. Y. Sinking subaqueous tunnels. No. 907,357; Dec. 22; Sp. p. 4347; Gaz. vol. 137; p. 1800.
- Hoffer, F. C., Los Angeles, and J. A. Saikow, Santa Monica, Cal., assignors to Excelsior Supply Company, Chicago, Ill. Stand and carrier for motor-cycles and bicycles. No. 907,358; Dec. 22; Sp. p. 4353; Gaz. vol. 137; p. 1801.
- Hoffer, G. L., Laurel, Miss. Clamp. No. 903,380; Nov. 10; Sp. p. 1679; Gaz. vol. 137; p. 307.
- Hoffer, J., Louisville, Ky. Railway-signal. No. 898,473; Sept. 15; Sp. p. 2490; Dr. p. 533; Gaz. vol. 136; p. 461.
- Hoffman, A. J., assignor to one-sixth to R. M. Arms, Seattle, Wash. Clothes pressing and cleaning apparatus. No. 897,832; Sept. 1; Sp. p. 1202; Dr. pp. 256-7; Gaz. vol. 136; p. 191.
- Hoffman, A. M., Johnstown, Pa. Rotary converter for electric welding. No. 904,782; Nov. 24; Sp. p. 4637; Gaz. vol. 137; p. 834.
- Hoffman, C. (See Vaggaman, H. E., assignor.)
- Hoffman, C. W. (See Anderson, J. N., assignor.)
- Hoffman, C. W. (See Foley, P. F., assignor.)
- Hoffman, C. W., New York, N. Y. Safety apparatus for elevators. No. 893,802; July 21; Sp. p. 2972; Dr. pp. 608-9; Gaz. vol. 135; p. 526.
- Hoffman, G. A., assignor to W. F. Ruwell, Philadelphia, Pa. Bottle-labeling machine. No. 888,894; May 26; Sp. p. 5201; Dr. pp. 1103-4; Gaz. vol. 134; p. 931.
- Hoffman, G. D., New York, N. Y., assignor to Norwall Manufacturing Company, Chicago, Ill. Automatic air-valve. No. 899,110; Sept. 22; Sp. p. 3684; Dr. p. 789; Gaz. vol. 136; p. 695.
- Hoffman, G. D., New York, N. Y., assignor to Norwall Manufacturing Company, Chicago, Ill. Automatic air-valve. No. 899,111; Sept. 22; Sp. p. 3685; Dr. p. 790; Gaz. vol. 136; p. 695.
- Hoffman, G. D., Western Springs, assignor to Norwall Manufacturing Company, Chicago, Ill. Air-vent valve. No. 901,242; Oct. 13; Sp. p. 2405; Dr. p. 493; Gaz. vol. 136; p. 1480.
- Hoffman, G. H., Clearwater, Nebr. Stirring mechanism for cookers. No. 907,148; Dec. 22; Sp. p. 3927; Gaz. vol. 137; p. 1729.
- Hoffman, G. L., Hamilton, Ohio. Riding-plow. No. 905,533; Dec. 1; Sp. p. 860; Gaz. vol. 137; p. 1120.

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- Hoffman, G. W., Shiloh, Ohio. Basket. No. 905,701; Dec. 1; Sp. p. 1167; Gaz. vol. 137; p. 1172.
Hoffman, H. (See May, J. H., assignor.)
Hoffman, I. C., South Chicago, Ill. Apparatus for granulating slag. No. 902,490; Oct. 27; Sp. p. 5083; Dr. p. 1030; Gaz. vol. 136; p. 1957.
Hoffman, J. (See Sevik, J., assignor.)
Hoffman, J. A., assignor of one-half to W. G. Black, Cleveland, Ohio. Egg-beater. No. 876,549; Jan. 14; Sp. p. 1757; Dr. p. 382; Gaz. vol. 132; p. 318.
Hoffman, J. K., et al. (See Jones, A. M., assignor.)
Hoffman, J. W., and C. G. Munson, Chicago, Ill. Soap-distributor for toilet use. No. 889,306; June 2; Sp. p. 223; Dr. pp. 55-6; Gaz. vol. 134; p. 1094.
Hoffman, L. R., Oil City, Pa. Lubricator. No. 900,280; Oct. 6; Sp. p. 447; Dr. p. 91; Gaz. vol. 136; p. 1142.
Hoffman, O., Cleveland, Ohio. Means for protecting grate-bars in boilers. No. 891,068; June 16; Sp. p. 3817; Dr. p. 833; Gaz. vol. 134; p. 1728.
Hoffman, P. L. (See Graffort and Hoffman.)
Hoffman, P. W., Albany, N. Y. Clasp. No. 889,230; June 2; Sp. p. 78; Dr. p. 17; Gaz. vol. 134; p. 1070.
Hoffman, R. C., Argos, Ind. Engine. No. 906,136; Dec. 8; Sp. p. 2007; Gaz. vol. 137; p. 1343.
Hoffman, R. C., Oskaloosa, Iowa. Pick for mining shearing-machines. No. 907,360; Dec. 22; Sp. p. 4357; Gaz. vol. 137; p. 1801.
Hoffman, R. J., Bradford, Pa. Cylinder or tube. No. 881,584; Mar. 10; Sp. p. 2170; Dr. p. 473; Gaz. vol. 133; p. 394.
Hoffman, R. V., assignor of one-half to W. F. Hermann, Brenham, Tex. Hydrocarbon-burner. No. 876,457; Jan. 14; Sp. p. 1557; Dr. p. 334; Gaz. vol. 132; p. 286.
Hoffman, V. (See Barna and Hoffman.)
Hoffman, W. F., Minneapolis, Minn. Lens grinding and polishing machine. No. 886,212; Apr. 28; Sp. p. 5214; Dr. p. 1098; Gaz. vol. 133; p. 2108.
Hoffman, W. G., San Francisco, Cal. Hook and eye. No. 898,891; Sept. 15; Sp. p. 3285; Dr. p. 703; Gaz. vol. 136; p. 597.
Hoffman, W. O., et al. (See Wirgman, J., assignor.)
Hoffmann, A. R., St. Louis, Mo. Salt-trough. No. 886,806; May 5; Sp. p. 972; Dr. p. 204; Gaz. vol. 134; p. 158.
Hoffmann, C., Charlottenberg, assignor to Siemens-Schuckertwerke, Gesellschaft mit beschränkter Haftung, Berlin, Germany. Rotary pump for gases. No. 878,528; Feb. 11; Sp. p. 1352; Dr. p. 275; Gaz. vol. 132; p. 1091.
Hoffmann, E. G., New Rochelle, N. Y. Annular knife. No. 877,927; Feb. 4; Sp. p. 69; Dr. p. 14; Gaz. vol. 132; p. 860.
Hoffmann, E. G., New Rochelle, N. Y. Manufacturing and assembling ball-bearings. No. 881,471; Mar. 10; Sp. p. 1958; Dr. p. 426; Gaz. vol. 133; p. 356.
Hoffmann, E. G., New Rochelle, N. Y. Transmission-gearing for automobiles. No. 887,093; May 12; Sp. p. 1510; Dr. p. 320; Gaz. vol. 134; p. 277.
Hoffmann, E. G., New Rochelle, N. Y. Motor-vehicle. No. 896,208; Aug. 18; Sp. p. 2828; Dr. pp. 609-10; Gaz. vol. 135; p. 1408.
Hoffmann, E. G., New Rochelle, N. Y. Universal joint. No. 899,534; Sept. 29; Sp. p. 4519; Dr. pp. 970-1; Gaz. vol. 136; p. 868.
Hoffmann, E. G., New Rochelle, N. Y. Truck for railway-cars. No. 905,532; Dec. 1; Sp. p. 857; Gaz. vol. 137; p. 1119.
Hoffmann, F., Louisville, Ky. Mattress. No. 893,732; July 21; Sp. p. 2833; Dr. p. 582; Gaz. vol. 135; p. 503.
Hoffmann, F., Danzig, Germany. Mechanical toy. No. 906,881; Dec. 15; Sp. p. 3412; Gaz. vol. 137; p. 1608.
Hoffmann, F. H., Dubuque, Iowa. Adjustable book-support and copy-spacer. No. 879,770; Feb. 18; Sp. p. 3857; Dr. p. 808; Gaz. vol. 132; p. 1535.
Hoffmann, H., St. Louis, Mo. Device for collecting mail-bags. No. 907,359; Dec. 22; Sp. p. 4355; Gaz. vol. 137; p. 1801.
Hoffmann, N., and F. Müller, Pittsburg, Pa. Bottle. No. 886,807; May 5; Sp. p. 973; Dr. p. 204; Gaz. vol. 134; p. 158.
Hoffmann, O. (See Brenner and Hoffmann.)
Hoffmann-Pinther, C., Hameln-on-the-Weser, Germany. Box or holder for sticking-plaster. No. 885,048; Apr. 21; Sp. p. 2826; Dr. p. 598; Gaz. vol. 133; p. 1702.
Hoffmeister, J. C., Palatine, Ill. Clamp. No. 907,237; Dec. 22; Sp. p. 4126; Gaz. vol. 137; p. 1759.
Hoffner, L. B., assignor of one-half to R. D. Work, Philadelphia, Pa. Valve. No. 881,687; Mar. 10; Sp. p. 2369; Dr. p. 513; Gaz. vol. 133; p. 425.
Hofheimer, M., New York, N. Y. Coin-controlled machine. No. 881,688; Mar. 10; Sp. p. 2371; Dr. pp. 513-14; Gaz. vol. 133; p. 426.
Hofheinz, B. J., Los Angeles, Cal. Combination door-lock. No. 876,550; Jan. 14; Sp. p. 1758; Dr. p. 382; Gaz. vol. 132; p. 319.
Hofmann, A. J., Newark, N. J. Inverted incandescent or glow lamp. No. 896,020; Aug. 11; Sp. p. 2492; Dr. p. 537; Gaz. vol. 135; p. 1326.
Hofmann, J. A., Mill Valley, Cal. Building construction. No. 893,924; July 21; Sp. p. 3220; Dr. pp. 663-4; Gaz. vol. 135; p. 566.
Hofmeister, F., Racine, Wis. Placket-closure for skirts. No. 885,344; Apr. 21; Sp. p. 3463; Dr. p. 722; Gaz. vol. 133; p. 1799.
Hofschneider, L., Hoboken, N. Y. Sleeping-car. No. 881,123; Mar. 10; Sp. p. 1258; Dr. pp. 271-2; Gaz. vol. 133; p. 243.
Hofstetter, R., Geneseo, Ill. Rotary engine. No. 892,156; June 30; Sp. p. 6031; Dr. p. 1296; Gaz. vol. 134; p. 2148.
Hoftrup, L. M., Painted Post, N. Y. Potato-digger. No. 906,426; Dec. 8; Sp. p. 2546; Gaz. vol. 137; p. 1438.
Hogan, D., Instanter, Pa. Excavating and dredging machine. No. 907,361; Dec. 22; Sp. p. 4358; Gaz. vol. 137; p. 1802.
Hogan, E. B., Chicago, Ill., assignor to Brunswick-Balke-Collender Company, New York, N. Y. Beer-cooler. No. 889,607; June 2; Sp. p. 824; Dr. p. 188; Gaz. vol. 134; p. 1191.
Hogan, E. B., Chicago, Ill., assignor to Brunswick-Balke-Collender Company, New York, N. Y. Work-board for bars. No. 892,831; July 7; Sp. p. 873; Dr. p. 187; Gaz. vol. 135; p. 147.
Hogan, G., Chicago, Ill. Time-alarm. No. 889,928; June 9; Sp. p. 1453; Dr. p. 328; Gaz. vol. 134; p. 1320.
Hogan, G. L. (See Tourtel and Hogan.)
Hogan, J. T. (See Slater and Hogan.)
Hogan, M. E., assignor of one-half to J. E. Dougherty, Chicago, Ill. Railway safety appliance. No. 894,204; July 28; Sp. p. 3820; Dr. p. 791; Gaz. vol. 135; p. 679.
Hogan, R. (See Nichols and Hogan.)
Hogg, W. L., Portland, Me., assignor of one-half to J. Brown, Montreal, Canada. Oven-shelf. No. 890,861; June 16; Sp. p. 3388; Dr. p. 743; Gaz. vol. 134; p. 1660.
Hogle, M. W. (See Donner and Hogle.)
Hogle, M. W., Pittsburg, Pa. Continuous engine-indicator. No. 893,474; Sept. 15; Sp. p. 2493; Dr. p. 534; Gaz. vol. 136; p. 461.
Hogle, W. M., et al. (See Miller and Rakestraw, assignors.)
Hoglund, B. A., New York, N. Y. Mechanical musical-instrument player. No. 877,080; Jan. 21; Sp. p. 2866; Dr. p. 619; Gaz. vol. 132; p. 534.
Hoglund, B. A., New York, N. Y. Automatic musical instrument. No. 881,318; Mar. 10; Sp. p. 1650; Dr. p. 354; Gaz. vol. 133; p. 308.
Hoglund, B. A., New York, N. Y. Motor for music-rolls of pneumatic musical instruments. No. 881,402; Mar. 10; Sp. p. 1818; Dr. p. 303; Gaz. vol. 133; p. 333.
Hoglund, B. A., New York, N. Y. Pneumatic action for mechanical musical instruments. No. 881,403; Mar. 10; Sp. p. 1820; Dr. p. 394; Gaz. vol. 133; p. 334.
Hoglund, E., Ottumwa, Iowa. Tube or pipe cleaner. No. 902,657; Nov. 3; Sp. p. 243; Gaz. vol. 137; p. 41.
Hogrebe, A. E. (See Strobel and Hogrebe.)
Hogrebe, A. E., and V. O. Strobel, Philadelphia, Pa., assignors to Niles-Bement-Pond Company, Jersey City, N. J. Motor-controlling system. No. 885,476; Apr. 21; Sp. p. 3705; Dr. p. 778; Gaz. vol. 133; p. 1841.
Hogue, J., Bradford, Pa. Tube-hoisting appliance for oil-wells. No. 879,964; Feb. 25; Sp. p. 4299; Dr. p. 899; Gaz. vol. 132; p. 1633.
Hogue, J. W., Perry, N. Y. Automatic curd-agitator. No. 894,649; July 28; Sp. p. 4730; Dr. p. 982; Gaz. vol. 135; p. 825.
Hogue, L. E., Greenville, Pa. Injector. No. 881,124; Mar. 10; Sp. p. 1259; Dr. p. 272; Gaz. vol. 133; p. 244.
Hogue, O. D., Boston, Mass. Metallic packing for pipe-joints. No. 903,188; Nov. 3; Sp. p. 1305; Gaz. vol. 137; p. 244.
Hohenadel, J., Philadelphia, Pa. Roller-skate. No. 894,501; July 28; Sp. p. 4437; Dr. p. 918; Gaz. vol. 135; p. 777.
Hohlencamp, G., Denver, Colo. Traction-wheel. No. 899,047; Sept. 22; Sp. p. 3566; Dr. p. 764; Gaz. vol. 136; p. 673.
Hohman, G. R., Rochester, N. Y. Faucet. No. 904,329; Nov. 17; Sp. p. 3694; Gaz. vol. 137; p. 656.
Hohman, W. A. (See Kiger and Hohman.)
Hohmann, R. K. (See Scudder and Hohmann.)
Hohmann, R. K., San Diego, Cal. Gem-setting. No. 881,689; Mar. 10; Sp. p. 2373; Dr. p. 514; Gaz. vol. 133; p. 426.
Hohn, E. and L., Millvale, Pa. Car-fender. No. 887,939; May 19; Sp. p. 3263; Dr. p. 685; Gaz. vol. 134; p. 587.
Hohn, F. C., Greencastle, Ind. Machine for making cement brick and the like. No. 880,886; Mar. 3; Sp. p. 823; Dr. pp. 174-5; Gaz. vol. 133; p. 138.
Hohn, L. (See Hohn, E. and L.)
Höhne, K. V., Charlottenburg, Germany. Automatic speed-changing mechanism. No. 904,330; Nov. 17; Sp. p. 3695; Gaz. vol. 137; p. 656.
Hohner, A., Ottawa, Ill. Grader and cleaner for grain, beans, &c. No. 898,892; Sept. 15; Sp. p. 3286; Dr. p. 703; Gaz. vol. 136; p. 597.
Hohner, H. (See Hohner, M., assignor.)
Hohner, H., New York, N. Y. Accordion. No. 894,436; July 28; Sp. p. 4317; Dr. p. 890; Gaz. vol. 135; p. 756.
Hohner, H., New York, N. Y. Accordion. No. 894,650; July 28; Sp. p. 4731; Dr. p. 982; Gaz. vol. 135; p. 825.
Hohner, H., New York, N. Y. Accordion. No. 898,475; Sept. 15; Sp. p. 2495; Dr. p. 534; Gaz. vol. 136; p. 462.

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- Hohner, M., Trossingen, Germany, assignor to H. Hohner, New York, N. Y. Mouth-accordion. No. 894,778; July 28; Sp. p. 4958; Dr. p. 1034; Gaz. vol. 135; p. 866.
- Höhnke, L., Bromberg, Germany. Portable field-kitchen. No. 887,940; May 19; Sp. p. 3266; Dr. p. 686; Gaz. vol. 134; p. 587.
- Hohnsbeen, H. G., Minneapolis, Minn. Signaling-lantern. No. 896,384; Aug. 18; Sp. p. 3197; Dr. p. 685; Gaz. vol. 135; p. 1465.
- Hoisington, F. R., New York, N. Y. Mechanical tag. No. 898,651; Sept. 15; Sp. p. 2848; Dr. p. 609; Gaz. vol. 136; p. 519.
- Hokamp, H. J. (See Slocum and Hokamp.)
- Hokanson, J., Newark, N. J. Rotary internal-combustion engine. No. 880,453; Feb. 25; Sp. p. 5283; Dr. p. 1112; Gaz. vol. 132; p. 1795.
- Hokanson, J., Newark, N. J. Rotary engine. No. 895,861; Aug. 11; Sp. p. 2178; Dr. pp. 462-3; Gaz. vol. 135; p. 1275.
- Hoke, R. (See Huzel and Hoke.)
- Hokom, S. M., *et al.* (See Anderson, N. M., assignor.)
- Holabird, R. D., assignor to Holabird-Reynolds Electric Company, Los Angeles, Cal. Connection-box. No. 886,978; May 5; Sp. p. 1272; Dr. p. 268; Gaz. vol. 134; p. 211.
- Holabird-Reynolds Electric Company. (See Holabird, R. D., assignor.)
- Holbein, J. E., Evans City, Pa. Newel-post. No. 885,477; Apr. 21; Sp. p. 3707; Dr. pp. 778-9; Gaz. vol. 133; p. 1841.
- Holbourns, J. G., and H. A. Longhurst, assignors to Linotype and Machinery Limited, London, England. Linotype-machine. No. 885,156; Apr. 21; Sp. p. 3061; Dr. p. 643; Gaz. vol. 133; p. 1736.
- Holbourns, J. G., and H. A. Longhurst, assignors to Linotype and Machinery Limited, London, England. Linotype-machine. No. 889,231; June 2; Sp. p. 79; Dr. pp. 17-18; Gaz. vol. 134; p. 1071.
- Holbrook, F. G., St. Louis, Mo. Hinge. No. 907,693; Dec. 22; Sp. p. 5096; Gaz. vol. 137; p. 1912.
- Holbrook, G. C. (See Rose, R. A., assignor.)
- Holbrook, H. R., Attleboro, Mass. Vending-machine. No. 879,546; Feb. 18; Sp. p. 3404; Dr. p. 713; Gaz. vol. 132; p. 1463.
- Holbrook, H. R., Attleboro, Mass. Bracelet. No. 881,925; Mar. 17; Sp. p. 2883; Dr. p. 615; Gaz. vol. 133; p. 533.
- Holbrook, M. F., Longview, Tex. Window-sash. No. 901,343; Oct. 20; Sp. p. 2636; Dr. p. 541; Gaz. vol. 136; p. 1549.
- Holcomb, A. E. (See Johnson, F. M., assignor.)
- Holcomb, A. E., assignor to F. C. Austin Drainage Excavator Company, Chicago, Ill. Excavator-bucket. No. 885,049; Apr. 21; Sp. p. 2826; Dr. p. 598; Gaz. vol. 133; p. 1702.
- Holcomb, A. E., Chicago, assignor of one-half to F. M. Johnson, Oregon, Ill. Hoisting-drum. No. 903,819; Nov. 10; Sp. p. 2572; Gaz. vol. 137; p. 449.
- Holcomb, A. E., Chicago, assignor of one-half to F. M. Johnson, Oregon, Ill. Clutch and operating means therefor. No. 903,858; Nov. 17; Sp. p. 2662; Gaz. vol. 137; p. 494.
- Holcomb, F. L., Kingston, N. Y. Attachment for promoting fuel combustion in locomotive fire-boxes. No. 884,926; Apr. 14; Sp. p. 2576; Dr. p. 542; Gaz. vol. 133; p. 1629.
- Holcomb, O. S. (See Elmsberg, A., assignor.)
- Holcombe, W. R., U. S. Army, assignor of one-half to J. S. Jones, Jefferson Barracks, Mo. Lamp-hanger. No. 889,608; June 2; Sp. p. 826; Dr. p. 188; Gaz. vol. 134; p. 1191.
- Holcombe, W. S., *et al.* (See Walls, C. P., assignor.)
- Holdaway, H. H. (See Holdaway, W. S. and H. H.)
- Holdaway, W. S. and H. H., Union, Oreg. Button-sewing attachment. No. 882,314; Mar. 17; Sp. p. 3657; Dr. p. 776; Gaz. vol. 133; p. 659.
- Holden, A. P., Toronto, Ontario, Canada. Automatic vending-machine. No. 905,317; Dec. 1; Sp. p. 361; Gaz. vol. 137; p. 1046.
- Holden, C. L., assignor of one-half to Knight & Jillion Company, Indianapolis, Ind. Flushing-valve guide. No. 889,609; June 2; Sp. p. 827; Dr. p. 189; Gaz. vol. 134; p. 1192.
- Holden, D., Upper Montclair, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 904,959; Nov. 24; Sp. p. 5001; Gaz. vol. 137; p. 892.
- Holden, D. L., assignor to Federal Ice Company, New York, N. Y. Ice-machine press. No. 876,352; Jan. 14; Sp. p. 1320; Dr. p. 286; Gaz. vol. 132; p. 251.
- Holden, D. L., New York, N. Y., assignor to Federal Ice Company. Hydraulic-electric ice-machine. No. 877,193; Jan. 21; Sp. p. 3113; Dr. p. 674; Gaz. vol. 132; p. 573.
- Holden, D. L., New York, N. Y., assignor to Federal Ice Company of New York. Vertical ice-machine. No. 892,424; July 7; Sp. p. 61; Dr. p. 15; Gaz. vol. 135; p. 14.
- Holden, F., London, England, assignor to General Electric Company. Mercury meter. No. 897,536; Sept. 1; Sp. p. 608; Dr. p. 127; Gaz. vol. 136; p. 96.
- Holden, G., Merchantville, N. J., assignor to Bernstein Manufacturing Company, Philadelphia, Pa. End rail for bed-springs. No. 889,007; May 26; Sp. p. 5410; Dr. p. 1149; Gaz. vol. 134; p. 966.
- Holden, H. C. L., Blackheath, and G. K. B. Elphinstone, Lewisham, England. Starting mechanism for internal-combustion engines. No. 904,616; Nov. 24; Sp. p. 4270; Gaz. vol. 137; p. 777.
- Holden, S. H. (See Hookham and Holden.)
- Holden, T. D. P. (See Wyatt, W., assignor.)
- Holder, H. A., Lynn, Mass. Leather-buffing machine. No. 894,502; July 28; Sp. p. 4439; Dr. pp. 918-19; Gaz. vol. 135; p. 777.
- Holder, H. N., Plainfield, N. J., assignor to J. H. Crane, receiver for the New Jersey Structural Company. Chimney-flue clean-out. No. 906,427; Dec. 8; Sp. p. 2550; Gaz. vol. 137; p. 1439.
- Holder, H. W., Durham, Conn. Cover for safe-deposit boxes. No. 886,213; Apr. 28; Sp. p. 5217; Dr. p. 1098; Gaz. vol. 133; p. 2109.
- Holder, W. J., assignor of one-half to J. J. Coppedge and G. C. Rabb, Lone Oak, Tex. Harness. No. 904,696; Nov. 24; Sp. p. 4444; Gaz. vol. 137; p. 805.
- Holderfield, E. C. (See Holderfield, J. M. and E. C.)
- Holderfield, J. M. and E. C., Fogg, Tenn. Hay-press. No. 878,880; Feb. 11; Sp. p. 2063; Dr. p. 428; Gaz. vol. 132; p. 1207.
- Holderness, W. E., and H. W. Evans, New York, N. Y. Gas-cock. No. 888,501; May 26; Sp. p. 4353; Dr. p. 921; Gaz. vol. 134; p. 798.
- Holdfast Manufacturing Company. (See Jones, W. J., assignor.)
- Holding, C. B., Toledo, Ohio. Handle for mattresses. No. 897,979; Sept. 8; Sp. p. 1537; Dr. p. 326; Gaz. vol. 136; p. 272.
- Holding, L., Browning, Mo. Blind-bridle. No. 905,534; Dec. 1; Sp. p. 862; Gaz. vol. 137; p. 1120.
- Holdsworth, F. D., assignor to Sullivan Machinery Company, Claremont, N. H. Intercooler. No. 898,363; Sept. 8; Sp. p. 2261; Dr. p. 481; Gaz. vol. 136; p. 392.
- Holdsworth, P. M., St. Louis, Mo. Locomotive engine and tender coupling. No. 887,806; May 19; Sp. p. 2998; Dr. p. 630; Gaz. vol. 134; p. 543.
- Holdsworth, W., Halifax, England. Gill-box and gill-drawing frame. No. 890,054; June 9; Sp. p. 1728; Dr. p. 383; Gaz. vol. 134; p. 1363.
- Holen, O., Jr., Britton, S. D. Valve and valve-gear for steam-engines. No. 891,255; June 23; Sp. p. 4188; Dr. p. 917; Gaz. vol. 134; p. 1820.
- Hoffelder, J. A., Uniontown, Pa., assignor to McCrum-Howell Company, Norwich, Conn. Connection for radiator wall-sections. No. 882,315; Mar. 17; Sp. p. 3659; Dr. p. 776; Gaz. vol. 133; p. 659.
- Holgan, J. E. (See Holgan, T. H. and J. E.)
- Holgan, T. H. and J. E., New York, N. Y. Reversing mechanism. No. 901,172; Oct. 13; Sp. p. 2287; Dr. p. 466; Gaz. vol. 136; p. 1459.
- Holgate, G. H., Philadelphia, Pa. Carburetor. No. 892,726; July 7; Sp. p. 659; Dr. p. 139; Gaz. vol. 135; p. 114.
- Holker, A., Minneapolis, Minn. Barrel and basket cover. No. 898,364; Sept. 8; Sp. p. 2264; Dr. p. 481; Gaz. vol. 136; p. 393.
- Holland, C. L., Minneapolis, Minn. Ear-trumpet. No. 877,566; Jan. 28; Sp. p. 3868; Dr. p. 837; Gaz. vol. 132; p. 716.
- Holland, D. (See Rounds and Holland.)
- Holland, E. C., Benton Harbor, Mich., assignor to Metal Sectional Furniture Company, Portland, Me. Filing-box. No. 878,630; Feb. 11; Sp. p. 1595; Dr. p. 325; Gaz. vol. 132; p. 1126.
- Holland, G. L., Geneva, N. Y. Window-cleaner. No. 902,881; Nov. 3; Sp. p. 718; Gaz. vol. 137; p. 118.
- Holland, H. T., New York, N. Y. Bracket. No. 895,563; Aug. 11; Sp. p. 1582; Dr. p. 334; Gaz. vol. 135; p. 1179.
- Holland, J. A., assignor to John Holland Gold Pen Company, Cincinnati, Ohio. Fountain-pen. No. 885,753; Apr. 28; Sp. p. 4292; Dr. p. 899; Gaz. vol. 133; p. 1957.
- Holland, J. H., Shasta, Cal. Lawn-mower. No. 894,887; Aug. 4; Sp. p. 183; Dr. p. 40; Gaz. vol. 135; p. 929.
- Holland, N. H. (See Mayberry and Holland.)
- Holland, N. H., Brookline, assignor to C. Bate, Boston, Mass. Telephone-meter. No. 896,830; Aug. 25; Sp. p. 4109; Dr. p. 883; Gaz. vol. 135; p. 1634.
- Holland, R. M., Elkton, S. D. Smut-machine. No. 902,658; Nov. 3; Sp. p. 245; Gaz. vol. 137; p. 42.
- Holland, S. W., New Orleans, La. Sap-receptacle. No. 880,142; Feb. 25; Sp. p. 4647; Dr. p. 981; Gaz. vol. 132; p. 1689.
- Holland, W. H., South Bend, Ind. Work-holder for box-making. No. 902,230; Oct. 27; Sp. p. 4516; Dr. p. 915; Gaz. vol. 136; p. 1869.
- Hollander, F. (See Clifton, W. H. J., assignor.)
- Hollander, J., *et al.* (See Coleman, G. D., assignor.)
- Hollander, J. (See Schwager, A. C., assignor.)

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Hollandsworth, G., Knox, Ind. Ratchet-wrench. No. 895,757; Aug. 11; Sp. p. 1961; Dr. p. 415; Gaz. vol. 135; p. 1242.
Holle, L., Chicago, Ill. Clothes-line reel. No. 878,394; Feb. 4; Sp. p. 1004; Dr. p. 203; Gaz. vol. 132; p. 1014.
Hollenbeck, A. (See McDole and Hollenbeck.)
Hollenbeck, E. A., Funk, Nebr. Road-grader. No. 900,369; Oct. 6; Sp. p. 630; Dr. pp. 129-30; Gaz. vol. 136; p. 1170.
Hollenburger, J., and C. Will, New Orleans, La. Mail-bag catcher and deliverer. No. 880,304; Feb. 25; Sp. p. 4982; Dr. p. 1051; Gaz. vol. 132; p. 1745.
Hollert, I. W., Chicago, Ill., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Paper vessel. No. 886,058; Apr. 28; Sp. p. 4934; Dr. p. 1037; Gaz. vol. 133; p. 2059.
Holley, C. H., assignor of one-half to F. G. Hamilton, Visalia, Cal. Switch. No. 876,055; Jan. 7; Sp. p. 708; Dr. p. 152; Gaz. vol. 132; p. 123.
Holley, E. D., Forestville, assignor to Bristol Brass Company, Bristol, Conn. Enamel-ware. No. 906,628; Dec. 15; Sp. p. 2925; Gaz. vol. 137; p. 1528.
Holley, E. D., Forestville, and C. L. Root, assignors to Bristol Brass Company, Bristol, Conn. Uniting metals. No. 906,627; Dec. 15; Sp. p. 2924; Gaz. vol. 137; p. 1528.
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Holley, J. J., Holmen, Wis. Adjustable rake. No. 899,982; Sept. 29; Sp. p. 5466; Dr. p. 1165; Gaz. vol. 136; p. 1014.
Holley, J. R., assignor to American Silver Company, Bristol, Conn. Percolator. No. 906,629; Dec. 15; Sp. p. 2926; Gaz. vol. 137; p. 1529.
Holley, R. B., Chicago, Ill. Casting-machine. No. 883,312; Mar. 31; Sp. p. 5630; Dr. p. 1201; Gaz. vol. 133; p. 1049.
Holliday, F. M., Glade Mills, Pa. Adjustable stop-cock. No. 889,523; June 2; Sp. p. 671; Dr. p. 155; Gaz. vol. 134; p. 1164.
Holliday, C. L., and I. S. Hawks, Curtis, Wis. Hay-cocking machine and hay-loader. No. 896,541; Aug. 18; Sp. p. 3518; Dr. pp. 755-6; Gaz. vol. 135; p. 1517.
Holliday, J. S., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Alternating-current signaling apparatus for electric railways. No. 878,138; Feb. 4; Sp. p. 482; Dr. p. 103; Gaz. vol. 132; p. 928.
Holliday, J. S., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Alternating-current signaling apparatus for electric railways. No. 878,139; Feb. 4; Sp. p. 484; Dr. pp. 103-4; Gaz. vol. 132; p. 928.
Holliday, J. S., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Block-signaling system. No. 900,370; Oct. 6; Sp. p. 632; Dr. p. 130; Gaz. vol. 136; p. 1171.
Holliman, J. H. (See Peek, J. S., assignor.)
Holliman, A., Canton, Ohio, Safety device for elevators. No. 885,924; Apr. 28; Sp. p. 4650; Dr. p. 979; Gaz. vol. 133; p. 2015.
Hollinger, I. K., Greenville, Ohio. Fence-stretcher. No. 886,369; May 5; Sp. p. 52; Dr. p. 11; Gaz. vol. 134; p. 13.
Hollinger, T. T., Detroit, Mich. Inlaid linoleum. No. 884,732; Apr. 14; Sp. p. 2183; Dr. p. 463; Gaz. vol. 133; p. 1568.
Hollingshead, R. M., Canaan, N. J. Screw-cap. No. 897,621; Sept. 1; Sp. p. 780; Dr. p. 164; Gaz. vol. 136; p. 124.
Hollingsworth, J. G., Lebanon, S. D. Grab-tool. No. 885,478; Apr. 21; Sp. p. 3709; Dr. p. 779; Gaz. vol. 133; p. 1842.
Hollingsworth, R. D. (See Hollingsworth, T. R. and R. D.)
Hollingsworth, R. L., Decatur, Ga. Pneumatic gin-feeder. No. 879,771; Feb. 18; Sp. p. 3859; Dr. p. 808; Gaz. vol. 132; p. 1535.
Hollingsworth, R. L., Decatur, assignor of three-fourths to J. R. Miller and W. C. Hendrix, Fulton county, Ga. Cotton cleaner and distributor. No. 884,157; Apr. 7; Sp. p. 1038; Dr. p. 216; Gaz. vol. 133; p. 1351.
Hollingsworth, T. R. and R. D., Waters, Ark. Cotton-harvester. No. 898,893; Sept. 15; Sp. p. 3288; Dr. p. 704; Gaz. vol. 136; p. 597.
Hollingsworth and Whitney Company. (See Marr, J. W., assignor.)
Hollingsworth, E., Dobcross, England, assignor to Crompton & Knowles Loom Works. Stop-motion and reversing mechanism of looms. No. 891,618; June 23; Sp. p. 4934; Dr. p. 1063; Gaz. vol. 134; p. 1938.
Hollis, H. L., Chicago, Ill. Apparatus for electroplating metal sheets. No. 900,169; Oct. 6; Sp. p. 204; Dr. p. 42; Gaz. vol. 136; p. 1106.
Hollis, R. W., Atlanta, Ga. Wall-box for electric switches. No. 876,877; Jan. 14; Sp. p. 2415; Dr. p. 526; Gaz. vol. 132; p. 426.
Hollis, T. (See Beaumont and Hollis.)
Hollis, W. T., Boston, Mass. Measuring-machine. No. 889,008; May 26; Sp. p. 5411; Dr. p. 1150; Gaz. vol. 134; p. 966.
Hollister, C. F., Waterbury, Conn. Electric escapement for time-movements. No. 881,404; Mar. 10; Sp. p. 1822; Dr. p. 394; Gaz. vol. 133; p. 334.
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Holloway, D. H. (See Roberts and Holloway.)
Holloway, G. T., London, England. Treatment of slag from tin-smelting furnaces. No. 891,477; June 23; Sp. p. 4653; Gaz. vol. 134; p. 1894.
Holloway, G. T., London, England. Preparation of common salt for domestic and other uses. No. 902,403; Oct. 27; Sp. p. 4876; Gaz. vol. 136; p. 1927.
Holloway, I. V., Monument, Colo. Collapsible crate. No. 896,542; Aug. 18; Sp. p. 3521; Dr. p. 756; Gaz. vol. 135; p. 1517.
Holloway, J., Doe Run, Mo. Folding and adjustable chair. No. 877,646; Jan. 28; Sp. p. 4023; Dr. p. 868; Gaz. vol. 132; p. 741.
Hollowell, H., Whitewater township, Franklin county, Ind. Automatic spraying device for stock. No. 876,458; Jan. 14; Sp. p. 1559; Dr. p. 334; Gaz. vol. 132; p. 286.
Holly, E. P., Roxbury, Mass., assignor to Holly Steam Engineering Company, Providence, R. I. Liquid-impelling device. No. 900,853; Oct. 13; Sp. p. 1666; Dr. p. 337; Gaz. vol. 136; p. 1357.
Holly Steam Engineering Company. (See Holly, E. P., assignor.)
Holm, J. C., Cape Scott, British Columbia, Canada. Wrench. No. 877,773; Jan. 28; Sp. p. 4253; Dr. p. 923; Gaz. vol. 132; p. 781.
Holm, J. N., Minneapolis, Minn. Sliding side panel for locomotive-cabs. No. 902,231; Oct. 27; Sp. p. 4521; Dr. pp. 915-16; Gaz. vol. 136; p. 1870.
Holm, S., Chicago, Ill. Photographic reflector. No. 890,651; June 16; Sp. p. 2955; Dr. p. 647; Gaz. vol. 134; p. 1591.
Holman & Company, A. J. (See Holman, W. K., assignor.)
Holman, J. W., Detroit, Mich. Wall-mold. No. 878,000; Feb. 4; Sp. p. 208; Dr. p. 45; Gaz. vol. 132; p. 884.
Holman, J. W., West Creek, N. J. Berry-picker. No. 880,887; Mar. 3; Sp. p. 825; Dr. p. 175; Gaz. vol. 133; p. 138.
Holman, P. J. (See Turko and Holman.)
Holman, S. A., Guadalupe, Cal. Wrench. No. 902,079; Oct. 27; Sp. p. 4206; Dr. p. 852; Gaz. vol. 136; p. 1822.
Holman, S. A., Guadalupe, Cal. Wrench. No. 902,080; Oct. 27; Sp. p. 4208; Dr. p. 852; Gaz. vol. 136; p. 1822.
Holman, W. K., assignor to A. J. Holman & Company, Philadelphia, Pa. Filing-case. No. 884,659; Apr. 14; Sp. p. 2044; Dr. p. 436; Gaz. vol. 133; p. 1543.
Holmberg, P., Parkston, S. D. Grappling-tongs. No. 900,735; Oct. 13; Sp. p. 1421; Dr. p. 288; Gaz. vol. 136; p. 1318.
Holmes, A., Eureka, Cal. Window-shade fixture. No. 877,425; Jan. 21; Sp. p. 3565; Dr. p. 771; Gaz. vol. 132; p. 649.
Holmes, A., Eureka, Cal. Window-shade fixture. No. 904,536; Nov. 24; Sp. p. 4119; Gaz. vol. 137; p. 751.
Holmes, A., Dunedin, New Zealand. Landing-net. No. 878,529; Feb. 11; Sp. p. 1353; Dr. p. 275; Gaz. vol. 132; p. 1091.
Holmes, A. E., et al. (See Reardon, D. W., assignor.)
Holmes, A. J., Tacoma, Wash. Electric heater. No. 898,578; Sept. 15; Sp. p. 2698; Dr. p. 577; Gaz. vol. 136; p. 495.
Holmes, B. (See Holmes and Bengler.)
Holmes, C. E. (See Pratt and Holmes.)
Holmes, C. E., Lynn, Mass., assignor to General Electric Company. Meter. No. 894,651; July 28; Sp. p. 4731; Dr. p. 982; Gaz. vol. 135; p. 825.
Holmes, D. G. (See Frood and Holmes.)
Holmes, E. (See Trautman and Holmes.)
Holmes, E. and B., and E. F. Beugler, Buffalo, N. Y. Lock-cutting machine for barrel-hoops. No. 904,480; Nov. 17; Sp. p. 3980; Gaz. vol. 137; p. 706.
Holmes, E. B. (See Beugler, E. F., assignor.)
Holmes, E. E., Indianapolis, Ind. Dental appliance. No. 900,541; Oct. 6; Sp. p. 1009; Dr. p. 205; Gaz. vol. 136; p. 1227.
Holmes, E. E., assignor of three-fourths to G. E. Coburn, I. A. Holmes, and G. H. Clay, Indianapolis, Ind. Dental appliance. No. 905,535; Dec. 1; Sp. p. 863; Gaz. vol. 137; p. 1120.
Holmes, E. R., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Shuttle-box motion of looms. No. 892,727; July 7; Sp. p. 661; Dr. pp. 139-40; Gaz. vol. 135; p. 114.
Holmes, E. R., and A. S. Cowan, Worcester, Mass., assignors to Crompton & Knowles Loom Works. Loom shedding mechanism. No. 876,353; Jan. 14; Sp. p. 1322; Dr. pp. 286-7; Gaz. vol. 132; p. 251.
Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,913; Jan. 7; Sp. p. 453; Gaz. vol. 132; p. 81.
Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,914; Jan. 7; Sp. p. 454; Gaz. vol. 132; p. 81.
Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,915; Jan. 7; Sp. p. 454; Gaz. vol. 132; p. 82.

Alphabetical list of patentees—Continued.

- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,916; Jan. 7; Sp. p. 455; Gaz. vol. 132; p. 82.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,917; Jan. 7; Sp. p. 456; Gaz. vol. 132; p. 82.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,918; Jan. 7; Sp. p. 457; Gaz. vol. 132; p. 82.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,919; Jan. 7; Sp. p. 457; Gaz. vol. 132; p. 82.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,920; Jan. 7; Sp. p. 458; Gaz. vol. 132; p. 82.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,921; Jan. 7; Sp. p. 459; Gaz. vol. 132; p. 82.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,922; Jan. 7; Sp. p. 459; Gaz. vol. 132; p. 82.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,923; Jan. 7; Sp. p. 460; Gaz. vol. 132; p. 83.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,924; Jan. 7; Sp. p. 461; Gaz. vol. 132; p. 83.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,925; Jan. 7; Sp. p. 461; Gaz. vol. 132; p. 83.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,926; Jan. 7; Sp. p. 462; Gaz. vol. 132; p. 83.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,927; Jan. 7; Sp. p. 462; Gaz. vol. 132; p. 83.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stabilized nitrated starch. No. 875,928; Jan. 7; Sp. p. 463; Gaz. vol. 132; p. 83.
- Holmes, F. B., Woodbury, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stable explosive. No. 891,420; June 23; Sp. p. 4539; Gaz. vol. 134; p. 1875.
- Holmes, F. B., Woodbury, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Stable explosive. No. 895,639; Aug. 11; Sp. p. 1721; Gaz. vol. 135; p. 1203.
- Holmes, F. J., Revere, Mass. Securing absolute registration in printing for embossing, scoring, and die-cutting. No. 888,895; May 26; Sp. p. 5205; Dr. p. 1104; Gaz. vol. 134; p. 931.
- Holmes, F. S., New York, N. Y., and G. L. Damon, Pittsburg, Pa. Movable ventilator for vaults. No. 901,710; Oct. 20; Sp. p. 3473; Dr. p. 703; Gaz. vol. 136; p. 1673.
- Holmes, G., assignor to Robert Holmes & Brothers, Danville, Ill. Cager and automatic sump-guard. No. 889,307; June 2; Sp. p. 228; Dr. p. 56; Gaz. vol. 134; p. 1095.
- Holmes, G., assignor to Robert Holmes & Brothers, Danville, Ill. Mechanism for handling cars. No. 891,933; June 30; Sp. p. 5594; Dr. pp. 1205-6; Gaz. vol. 134; p. 2077.
- Holmes, G., assignor to Robert Holmes & Brothers, Danville, Ill. End-loading chute. No. 893,626; July 21; Sp. p. 2538; Dr. pp. 529-30; Gaz. vol. 135; p. 467.
- Holmes, G. A., Newton Center, Mass. Snap-fastener. No. 888,401; May 19; Sp. p. 4125; Dr. p. 870; Gaz. vol. 134; p. 734.
- Holmes, G. A., Newton Center, assignor to United States Fastener Company, Boston, Mass. Snap-fastener. No. 875,816; Jan. 7; Sp. p. 263; Dr. p. 57; Gaz. vol. 132; p. 49.
- Holmes, G. A., Newton Center, assignor to United States Fastener Company, Boston, Mass. Snap-fastener. No. 886,808; May 5; Sp. p. 974; Dr. p. 204; Gaz. vol. 134; p. 159.
- Holmes, G. A., Newton, assignor to United States Fastener Company, Boston, Mass. Snap-fastening buckle. No. 879,465; Feb. 18; Sp. p. 3238; Dr. p. 674; Gaz. vol. 132; p. 1436.
- Holmes, G. A., Newton, assignor to United States Fastener Company, Boston, Mass. Snap-fastener. No. 894,270; July 28; Sp. p. 3973; Dr. p. 819; Gaz. vol. 135; p. 701.
- Holmes, G. H., New York, N. Y. Water flushing device. No. 890,055; June 9; Sp. p. 1730; Dr. p. 383; Gaz. vol. 134; p. 1364.
- Holmes, I. A., *et al.* (See Holmes, E. E., assignor.)
- Holmes, J. G., and G. Puffer, Waupun, Wis. Valve-reseating device. No. 876,964; Jan. 21; Sp. p. 2627; Dr. p. 570; Gaz. vol. 132; p. 495.
- Holmes, J. L. (See Collins, W. H., assignor.)
- Holmes, J. R., Santa Monica, Cal. Classifier. No. 890,906; June 16; Sp. p. 3477; Dr. pp. 761-2; Gaz. vol. 134; p. 1673.
- Holmes, L. W., and C. V. Trautman, Medora, Ind. Controlling attachment for heating-lamps. No. 883,883; Apr. 7; Sp. p. 433; Dr. p. 85; Gaz. vol. 133; p. 1260.
- Holmes, S. S., *et al.* (See Bruas, H. P., assignor.)
- Holmes, T. E., assignor of one-half to Davy Brothers Limited, Sheffield, England. Hydraulic press. No. 898,365; Sept. 8; Sp. p. 2267; Dr. pp. 481-2; Gaz. vol. 136; p. 393.
- Holmes, W. E., Cicero, Ind. Method and apparatus for making glassware. No. 900,281; Oct. 6; Sp. p. 449; Dr. pp. 91-3; Gaz. vol. 136; p. 1142.
- Holmquist, A., Hoopeston, Ill. Pocket manicuring-tool. No. 881,125; Mar. 3; Sp. p. 1262; Dr. p. 272; Gaz. vol. 133; p. 244.
- Holmquist, A. J., Rockford, Ill. Rail-joint. No. 904,205; Nov. 17; Sp. p. 3411; Gaz. vol. 137; p. 614.
- Holmsten, G., Norrköping, Sweden. Multiple picture and producing the same. No. 886,606; May 5; Sp. p. 523; Dr. p. 112; Gaz. vol. 134; p. 93.
- Holmstrom, C., London, assignor of one-half to E. Middleton, Sheffield, England. Breech mechanism for ordnance. No. 880,994; Mar. 3; Sp. p. 1012; Dr. pp. 217-18; Gaz. vol. 133; p. 172.
- Holmwood, J., Duluth, assignor of one-half to H. W. Lanners, West Duluth, Minn. Saw-guard. No. 899,300; Sept. 22; Sp. p. 4075; Dr. p. 871; Gaz. vol. 136; p. 757.
- Holpuch, A., Chicago, Ill. Horse sanitary pan. No. 881,319; Mar. 10; Sp. p. 1652; Dr. p. 354; Gaz. vol. 133; p. 508.
- Holquist, W., Wilcox, Pa. Railway-switch. No. 892,053; June 30; Sp. p. 5833; Dr. p. 1255; Gaz. vol. 134; p. 2114.
- Holsclaw, W. H., assignor to Brinley-Hardy Company, Louisville, Ky. Corn-sheller. No. 901,968; Oct. 27; Sp. p. 3968; Dr. p. 810; Gaz. vol. 136; p. 1787.
- Holsman, H. K., Chicago Ill. Driving mechanism for automobiles, &c. No. 878,954; Feb. 11; Sp. p. 2199; Dr. pp. 460-1; Gaz. vol. 132; p. 1229.
- Holsman, H. K., Chicago, Ill. Driving mechanism for automobiles. No. 878,955; Feb. 11; Sp. p. 2204; Dr. p. 461; Gaz. vol. 132; p. 1230.
- Holsman, H. K., Chicago, Ill. Automobile. No. 886,506; May 5; Sp. p. 326; Dr. pp. 67-8; Gaz. vol. 134; p. 60.
- Holsman, H. K., Chicago, Ill. Automobile. No. 897,368; Sept. 1; Sp. p. 259; Dr. p. 53; Gaz. vol. 136; p. 39.
- Holste, A., Bielefeld, Germany. Garment. No. 902,081; Oct. 27; Sp. p. 4210; Dr. p. 853; Gaz. vol. 136; p. 1822.
- Holsteen, F. S. (See Criner, H. J., assignor.)
- Holstein, A. M., Syracuse, N. Y. Making plastic ornaments. No. 903,189; Nov. 10; Sp. p. 1308; Gaz. vol. 137; p. 244.
- Holstein, P. W., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Drier. No. 889,009; May 26; Sp. p. 5414; Dr. p. 1151; Gaz. vol. 134; p. 966.
- Holsters, P. F., Brussels, Belgium. Door-hanger. No. 878,395; Feb. 4; Sp. p. 1005; Dr. p. 203; Gaz. vol. 132; p. 1014.
- Holt, C. D., assignor to T. McElrath, Murray, Ky. Powder-distributor. No. 886,979; May 5; Sp. p. 1273; Dr. p. 269; Gaz. vol. 134; p. 211.
- Holt, C. D., assignor to B. F. Schroeder, Murray, Ky. Powder-distributor. No. 892,257; June 30; Sp. p. 6221; Dr. p. 1340; Gaz. vol. 134; p. 2182.
- Holt, F. E., Vancouver, British Columbia, Canada. Electric water-heater. No. 894,323; July 28; Sp. p. 4080; Dr. p. 843; Gaz. vol. 135; p. 719.
- Holt-Lyon Company. (See Holt, T., assignor.)
- Holt, T., assignor to Holt-Lyon Company, Tarrytown, N. Y. Carpet-beater. No. 880,531; Mar. 3; Sp. p. 71; Dr. p. 17; Gaz. vol. 133; p. 16.
- Holthy, W. H., Martha, Okla. Cracked-bolt-cotton cleaner. No. 907,802; Dec. 29; Sp. p. 5308; Gaz. vol. 137; p. 1979.
- Holter, T. B., Bloomburg, Pa. Miter-clamp. No. 879,547; Feb. 18; Sp. p. 3408; Dr. p. 714; Gaz. vol. 132; p. 1463.
- Holtmann, H. F., Indianapolis, Ind. Joiner's hand-clamp. No. 877,426; Jan. 21; Sp. p. 3567; Dr. p. 771; Gaz. vol. 132; p. 649.
- Holtmann, H. F., Indianapolis, Ind. Portable rubbing-machine. No. 879,466; Feb. 18; Sp. p. 3239; Dr. p. 674; Gaz. vol. 132; p. 1436.
- Holton, A., Millerton, Pa. Railway-tie. No. 887,395; May 12; Sp. p. 2188; Dr. p. 458; Gaz. vol. 134; p. 377.
- Holton, C. J. (See Bing, J., assignor.)
- Holton, C. J. (See Rouech, E. E., assignor.)
- Holton, H., New York, N. Y. Pyrographical device. No. 891,478; June 23; Sp. p. 4674; Dr. p. 1008; Gaz. vol. 134; p. 1894.
- Holton, H., New York, N. Y. Coupling for gas-tubes and the like. No. 906,137; Dec. 8; Sp. p. 2009; Gaz. vol. 137; p. 1343.
- Holts, M., Peoria, Ill. Bed-tightener. No. 877,774; Jan. 28; Sp. p. 4255; Dr. p. 923; Gaz. vol. 132; p. 782.

Alphabetical list of patentees—Continued.

- Holts, M., Dayton, Ohio. Back-band. No. 893,925; July 21; Sp. p. 3222; Dr. p. 664; Gaz. vol. 135; p. 566.
- Holtz, C. W., New York, N. Y. Picture-hook hanger. No. 907,599; Dec. 22; Sp. p. 4853; Gaz. vol. 137; p. 1881.
- Holtzer-Cabot Electric Company. (See Tormin, E. M., assignor.)
- Holtzman, C. E. (See Kessler, L., assignor.)
- Holtzman, F. P., assignor to Henry Holtzman & Sons Company, Columbus, Ohio. Stool. No. 892,054; June 30; Sp. p. 5836; Dr. p. 1255; Gaz. vol. 134; p. 214.
- Holub, S., New York, N. Y. Water-cooler. No. 899,048; Sept. 22; Sp. p. 3568; Dr. p. 764; Gaz. vol. 136; p. 674.
- Holzapfel, W. J., Scottdale, Pa. Smelting-furnace. No. 891,256; June 23; Sp. p. 4189; Dr. p. 917; Gaz. vol. 134; p. 1820.
- Holzerland, A. L., Buffalo, N. Y. Radiator for automobiles. No. 892,832; July 7; Sp. p. 876; Dr. pp. 187-8; Gaz. vol. 135; p. 148.
- Holzager, J., New York, N. Y. Shaving-cup. No. 903,089; Nov. 3; Sp. p. 1115; Gaz. vol. 137; p. 182.
- Holzwarth, H., Hamilton, Ohio, assignor to one-half to E. Junghans, Sr., Schramberg, Germany. Gas-turbine. No. 877,194; Jan. 21; Sp. p. 3115; Dr. pp. 674-5; Gaz. vol. 132; p. 573.
- Homan & Company. (See Leavenworth and Farrell.)
- Homan, F. W., Swampscott, Mass. Shoe. No. 883,199; Mar. 31; Sp. p. 5396; Dr. p. 1149; Gaz. vol. 133; p. 1012.
- Homans, T. S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 888,402; May 19; Sp. p. 4126; Dr. pp. 870-5; Gaz. vol. 134; p. 734.
- Homans, T. S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 890,425; June 9; Sp. p. 2479; Dr. p. 549; Gaz. vol. 134; p. 1484.
- Home Gas Machine Manufacturing Company. (See Campbell, F. M., assignor.)
- Home Security Vault and Pocket Bank Company. (See Woolums, W. H., assignor.)
- Homer, G. F., Akron, Ohio. Comb. No. 893,242; July 14; Sp. p. 1725; Dr. p. 364; Gaz. vol. 135; p. 312.
- Homet, J. G., Scranton, Pa. Signaling apparatus. No. 879,548; Feb. 18; Sp. p. 3409; Dr. p. 714; Gaz. vol. 132; p. 1463.
- Hommel, W., Lee, England. Rotary furnace applicable for use in roasting ores or the like. No. 888,502; May 26; Sp. p. 4354; Dr. pp. 921-2; Gaz. vol. 134; p. 798.
- Hommerin, J., Jr., Rutledge, Iowa. Pick. No. 890,426; June 9; Sp. p. 2481; Dr. p. 549; Gaz. vol. 134; p. 1484.
- Honolka, B., Frankfurt-on-the-Main, assignor to Farberwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Oxid of thioindigo dyes. No. 898,738; Sept. 15; Sp. p. 3006; Gaz. vol. 136; p. 546.
- Homolka, B., Frankfurt-on-the-Main, and R. Welde, assignors to Farberwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Making methylthiophenol-ortho-carboxylic acid. No. 889,010; May 26; Sp. p. 5415; Gaz. vol. 134; p. 967.
- Homolka, B., Frankfurt-on-the-Main, and R. Welde, assignors to Farberwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Making sulfur dyes and their leuco bodies. No. 893,499; July 14; Sp. p. 2262; Gaz. vol. 135; p. 397.
- Homolka, B., Frankfurt-on-the-Main, and R. Welde, assignors to Farberwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Making alpha-oxithionaphthenes. No. 894,004; July 21; Sp. p. 3394; Gaz. vol. 135; p. 593.
- Homolka, B., Frankfurt-on-the-Main, and R. Welde, assignors to Farberwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Making sulfurized dyes. No. 894,005; July 21; Sp. p. 3394; Gaz. vol. 135; p. 593.
- Homolka, B., Frankfurt-on-the-Main, and R. Welde, assignors to Farberwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Sulfurous leuco bodies and making same. No. 894,006; July 21; Sp. p. 3395; Gaz. vol. 135; p. 593.
- Hone, C. R., Magnetic Springs, Ohio. Spindle. No. 900,928; Oct. 13; Sp. p. 1836; Dr. p. 374; Gaz. vol. 136; p. 1381.
- Honisch, R. F., St. Clair, Minn. Jar and cover therefor. No. 893,571; Nov. 10; Sp. p. 2080; Gaz. vol. 137; p. 371.
- Honiss, W. H., et al. (See Lorenz, W. A., assignor.)
- Honiss, W. H., et al. (See Merritt, J., assignor.)
- Honiss, W. H., Hartford, Conn. Fare-register-operating mechanism. No. 882,063; Mar. 17; Sp. p. 3175; Dr. p. 675; Gaz. vol. 133; p. 578.
- Honold, G., Stuttgart, Germany. Electric generator. No. 900,542; Oct. 6; Sp. p. 1011; Dr. p. 205; Gaz. vol. 136; p. 1228.
- Honor, F. J., Detroit, Mich. Lock-case. No. 899,049; Sept. 22; Sp. p. 3569; Dr. p. 764; Gaz. vol. 136; p. 674.
- Honscheid, W., Elmira, N. Y. Lock for levers, &c. No. 889,610; June 2; Sp. p. 829; Dr. p. 189; Gaz. vol. 134; p. 1192.
- Honstein, L., Portland, Oreg. Clamp for fruit-jars. No. 901,618; Oct. 20; Sp. p. 3244; Dr. p. 665; Gaz. vol. 136; p. 1641.
- Hood, A. J., Muscoda, Wis. Printing-press attachment. No. 877,195; Jan. 21; Sp. p. 3118; Dr. pp. 675-6; Gaz. vol. 132; p. 574.
- Hood, C. H., Cambridge, assignor to Hood Manufacturing Company, Boston, Mass. Mechanical-doll carriage. No. 886,507; May 5; Sp. p. 329; Dr. p. 68; Gaz. vol. 134; p. 60.
- Hood, D. J., Philadelphia, Pa., assignor to Victor Talking Machine Company. Talking-machine. No. 907,362; Dec. 22; Sp. p. 4362; Gaz. vol. 137; p. 1802.
- Hood, D. J., Philadelphia, Pa., assignor to Victor Talking Machine Company. Talking-machine. No. 907,363; Dec. 22; Sp. p. 4364; Gaz. vol. 137; p. 1802.
- Hood, D. N., New York, N. Y., assignor to Hood Process Company. Apparatus for treating ores. No. 893,243; July 14; Sp. p. 1727; Dr. pp. 364-5; Gaz. vol. 135; p. 312.
- Hood, F. C., Boston, Mass. Low-cut or sole rubber overshoe. No. 887,941; May 19; Sp. p. 3267; Dr. p. 686; Gaz. vol. 134; p. 588.
- Hood, H. A., assignor to one-half to C. N. Prouty, Spencer, Mass. Crutch. No. 904,481; Nov. 17; Sp. p. 3983; Gaz. vol. 137; p. 706.
- Hood, J. E. and L. C., Sparta, Ill. Bidding-box. No. 908,263; Dec. 29; Sp. p. 6280; Gaz. vol. 137; p. 2131.
- Hood, L. C. (See Hood, J. E. and L. C.)
- Hood Manufacturing Company. (See Hood, C. H., assignor.)
- Hood Process Company. (See Hood, D. N., assignor.)
- Hood, R. W., Carterville, Mo. Guard for circular saws. No. 888,805; May 26; Sp. p. 4996; Dr. p. 1065; Gaz. vol. 134; p. 900.
- Hood, W. S., assignor to one-eighth to S. Seches, one-eighth to H. S. Wolff, and one-fourth to F. J. Warner, Memphis, Tenn. Window-screen bracket. No. 895,758; Aug. 11; Sp. p. 1963; Dr. p. 415; Gaz. vol. 135; p. 1242.
- Hook, C. S., Toronto, Ontario, Canada, assignor to one-half to T. C. Hook. Combined friction and jaw clutch. No. 907,051; Dec. 15; Sp. p. 3714; Gaz. vol. 137; p. 1662.
- Hook, T. C. (See Hook, C. S., assignor.)
- Hook, T. C., Philadelphia, Pa. Mechanism for turning the edges of sheet material. No. 878,631; Feb. 11; Sp. p. 1596; Dr. p. 325; Gaz. vol. 132; p. 1127.
- Hook, T. C., Philadelphia, Pa. Machine for turning the edges of sheet material. No. 878,632; Feb. 11; Sp. p. 1597; Dr. pp. 325-6; Gaz. vol. 132; p. 1127.
- Hook, T. C., and J. H. Mitchell, Philadelphia, Pa.; said Hook assignor to said Mitchell. Package-wrapping machine. No. 893,846; July 21; Sp. p. 3070; Dr. pp. 626-8; Gaz. vol. 135; p. 541.
- Hooker, F., Toronto, Ontario, Canada. Aerial railway. No. 898,739; Sept. 15; Sp. p. 3007; Dr. p. 644; Gaz. vol. 136; p. 547.
- Hooker, W., South Melbourne, Victoria, Australia. Automatic apparatus for supplying air for many purposes. No. 893,733; July 21; Sp. p. 2833; Dr. p. 582; Gaz. vol. 135; p. 504.
- Hooker, W. C., Abingdon, Ill. Animal-trap. No. 895,017; Aug. 4; Sp. p. 497; Dr. p. 100; Gaz. vol. 135; p. 975.
- Hooker, W. C., Abingdon, Ill. Mouse-trap. No. 895,018; Aug. 4; Sp. p. 500; Dr. pp. 100-1; Gaz. vol. 135; p. 975.
- Hooker, W. H., Manchester, N. H. Tobacco-pipe. No. 883,954; Apr. 7; Sp. p. 581; Dr. p. 116; Gaz. vol. 133; p. 1284.
- Hookham, G., and S. H. Holden, Birmingham, England. Electrolytic meter. No. 889,929; June 9; Sp. p. 1454; Dr. pp. 328-9; Gaz. vol. 134; p. 1320.
- Hookham, G., and S. H. Holden, Birmingham, England. Prepayment electricity-meter. No. 907,149; Dec. 22; Sp. p. 3928; Gaz. vol. 137; p. 1730.
- Hoopengartner, H. L., Shirley, W. Va. Well-drilling machine. No. 890,280; June 9; Sp. p. 2209; Dr. pp. 485-6; Gaz. vol. 134; p. 1437.
- Hooper, C. N., Dubuque, Iowa. Serving apparatus. No. 885,925; Apr. 28; Sp. p. 4652; Dr. pp. 979-80; Gaz. vol. 133; p. 2015.
- Hooper, C. S., Erie, Pa. Water-tube boiler. No. 892,522; July 7; Sp. p. 258; Dr. p. 55; Gaz. vol. 135; p. 48.
- Hooper, M. J., North Carlton, near Melbourne, Victoria, Australia. Oil-lamp burner. No. 905,183; Dec. 1; Sp. p. 118; Gaz. vol. 137; p. 1003.
- Hooper, R. T., Youngstown, Ohio. Curb, drain, and conduit. No. 889,524; June 2; Sp. p. 671; Dr. p. 155; Gaz. vol. 134; p. 1164.
- Hooper, W. H., Lynn, assignor, by mesne assignments, to T. G. Plant, Boston, Mass. Last. No. 883,804; Apr. 7; Sp. p. 258; Dr. p. 48; Gaz. vol. 133; p. 1234.
- Hooper, W. H., Swampscott, assignor, by mesne assignments, to T. G. Plant, Boston, Mass. Channel-moistening device for sole sewing or fastening machines. No. 889,375; June 2; Sp. p. 370; Dr. p. 86; Gaz. vol. 134; p. 1117.
- Hooper, W. H., and F. S. Hutchins, San Francisco, Cal. Explosive-engine. No. 876,878; Jan. 14; Sp. p. 2416; Dr. pp. 526-7; Gaz. vol. 132; p. 426.
- Hoopes, S. H., Jr., West Chester, Pa. System of electric traction. No. 891,619; June 23; Sp. p. 4938; Dr. p. 1064; Gaz. vol. 134; p. 1939.
- Hoover, A. J., Columbus, Ohio. Compound for removing paint. No. 902,404; Oct. 27; Sp. p. 4877; Gaz. vol. 136; p. 1927.
- Hoover, A. L., Avery, Ohio. Potato-digger. No. 903,978; Nov. 17; Sp. p. 2931; Gaz. vol. 137; p. 535.
- Hoover, A. L., Avery, Ohio. Endless elevator. No. 907,364; Dec. 22; Sp. p. 4367; Gaz. vol. 137; p. 1803.
- Hoover, C. E., Strasburg, Pa. Package-tie. No. 903,722; Nov. 10; Sp. p. 2373; Gaz. vol. 137; p. 417.
- Hoover, F. K., et al. (See McKee, A. G., assignor.)
- Hoover, H. M., Perrysburg, Ohio. Wood-fiber machine. No. 901,969; Oct. 27; Sp. p. 3969; Dr. pp. 810-11; Gaz. vol. 136; p. 1787.
- Hoover, J. H., Decatur, Ill. Machine for cleaning and grading grain and seed. No. 884,660; Apr. 14; Sp. p. 2046; Dr. pp. 436-8; Gaz. vol. 133; p. 1543.

Alphabetical list of patentees—Continued.

- Hoover, L., Narka, Kans. Apparatus for breaking or training animals. No. 877,504; Jan. 28; Sp. p. 3733; Dr. p. 808; Gaz. vol. 132; p. 695.
- Hoover, N. F., *et al.* (See Grove, M. L., assignor.)
- Hoover, O. C., Johnstown, Ohio. Soldering compound. No. 877,505; Jan. 28; Sp. p. 3735; Gaz. vol. 132; p. 696.
- Hoover, W. H., Jr., Elizabeth, N. J. Store-front. No. 878,140; Feb. 4; Sp. p. 486; Dr. p. 104; Gaz. vol. 132; p. 929.
- Hoovestol, H. G., Butler, Pa. Saw-truck. No. 906,714; Dec. 15; Sp. p. 3080; Gaz. vol. 137; p. 1555.
- Hope, J., Jr., Edgewood, assignor to Hope Lock Company, Providence, R. I. Lock and latch. No. 907,499; Dec. 22; Sp. p. 4646; Gaz. vol. 137; p. 1848.
- Hope, J. T., Kansas City, Mo. Cleaning and dust-collecting apparatus. No. 908,409; Dec. 29; Sp. p. 6585; Gaz. vol. 137; p. 2182.
- Hope Lock Company. (See Hope, J., Jr., assignor.)
- Hope, R. W., and S. F. Stambaugh, Shelby, Ohio. Wrench. No. 891,257; June 23; Sp. p. 4192; Dr. p. 918; Gaz. vol. 134; p. 1820.
- Hopewell, F. B. (See Kinder, A. H., assignor.)
- Hopey, A. M., Jr. (See Mahony and Hopey, assignors.)
- Höpfner, P. (See Sauer, F. G., assignor.)
- Hopkins, A., Denver, Colo. Rotary engine. No. 888,806; May 26; Sp. p. 4997; Dr. pp. 1065-6; Gaz. vol. 134; p. 900.
- Hopkins & Allen Arms Company. (See Wright, A. C., assignor.)
- Hopkins, C. A., New York, N. Y. Supporting device. No. 878,801; Feb. 11; Sp. p. 1922; Dr. p. 397; Gaz. vol. 132; p. 1182.
- Hopkins, C. E., executrix. (See Hopkins, E. E.)
- Hopkins, C. E., Worcester, Mass. Apparatus for finishing stereotype-plates. No. 877,775; Jan. 28; Sp. p. 4256; Dr. pp. 923-5; Gaz. vol. 132; p. 782.
- Hopkins, C. L., Chicago, Ill., assignor to Curtair Supply Company, Newark, N. J. Curtain-holding device. No. 875,997; Jan. 7; Sp. p. 603; Dr. p. 129; Gaz. vol. 132; p. 105.
- Hopkins, C. L., Chicago, Ill., assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture. No. 889,525; June 2; Sp. p. 672; Dr. p. 155; Gaz. vol. 134; p. 1164.
- Hopkins, E. E., Philadelphia, Pa. Portable partition for beds. No. 883,884; Apr. 7; Sp. p. 434; Dr. p. 86; Gaz. vol. 133; p. 1260.
- Hopkins, E. E., deceased, Philadelphia, Pa.; C. E. Hopkins, executrix. Combined pencil holder and sharpener. No. 895,019; Aug. 4; Sp. p. 502; Dr. p. 101; Gaz. vol. 135; p. 975.
- Hopkins, E. L. (See Palmros and Hopkins.)
- Hopkins, F. E., Sterling, N. Y. Extension car-step. No. 876,186; Jan. 7; Sp. p. 969; Dr. p. 209; Gaz. vol. 132; p. 165.
- Hopkins, F. H., Somerville, assignor to American Steam Gauge and Valve Manufacturing Company, Boston, Mass. Differential-pressure gage. No. 900,371; Oct. 6; Sp. p. 635; Dr. p. 130; Gaz. vol. 136; p. 1171.
- Hopkins, G. E., Alton, Ill. Nail-polisher. No. 878,881; Feb. 11; Sp. p. 2064; Dr. p. 428; Gaz. vol. 132; p. 1207.
- Hopkins, G. W., deceased, Brooklyn, N. Y.; M. Hopkins, administratrix. Rotary engine. No. 883,955; Apr. 7; Sp. p. 582; Dr. p. 117; Gaz. vol. 133; p. 1284.
- Hopkins, G. W., deceased, Brooklyn, N. Y.; M. Hopkins, administratrix. Propeller. No. 885,250; Apr. 21; Sp. p. 3264; Dr. p. 681; Gaz. vol. 133; p. 1768.
- Hopkins, H. J., Crystal Springs, Kans. Wagon-box. No. 890,056; June 9; Sp. p. 1732; Dr. p. 384; Gaz. vol. 134; p. 1364.
- Hopkins, J. M., assignor to Q. & H. Company, Chicago, Ill. Hanger for car-door rails. No. 889,011; May 26; Sp. p. 5417; Dr. p. 1151; Gaz. vol. 134; p. 967.
- Hopkins, J. M., assignor to Q. & H. Company, Chicago, Ill. Means for supporting door-hanger tracks. No. 889,012; May 26; Sp. p. 5419; Dr. p. 1152; Gaz. vol. 134; p. 967.
- Hopkins, M., administratrix. (See Hopkins, G. W.)
- Hopkins, M. K., assignor to H. D. Pulsifer, Chicago, Ill. Sprinkler-head for automatic fire-extinguishers. No. 875,929; Jan. 7; Sp. p. 464; Dr. p. 100; Gaz. vol. 132; p. 83.
- Hopkins, N. M., Washington, D. C. Dynamometer for explosion-engines. No. 903,090; Nov. 3; Sp. p. 1116; Gaz. vol. 137; p. 182.
- Hopkins, O. C., Mount Sterling, N. C. Truck. No. 887,195; May 12; Sp. p. 1681; Dr. pp. 357-8; Gaz. vol. 134; p. 308.
- Hopkins, R. C. (See Smith and Hopkins.)
- Hopkins, R. G., Des Moines, Iowa. Dental swaging device. No. 882,002; Mar. 17; Sp. p. 3053; Dr. p. 650; Gaz. vol. 133; p. 558.
- Hopkins, R. M., Yonkers, assignor to American District Telegraph Company, New York, N. Y. Transmitter. No. 907,600; Dec. 22; Sp. p. 4854; Gaz. vol. 137; p. 1881.
- Hopkins, R. R., Oskaloosa, Iowa. Drill. No. 901,005; Oct. 13; Sp. p. 1986; Dr. p. 404; Gaz. vol. 136; p. 1407.
- Hopkins, W. E. (See Fay and Hopkins.)
- Hopkins, W. K., Wolfe City, Tex. Glass-holding attachment for bottles. No. 882,636; Mar. 24; Sp. p. 4267; Dr. p. 904; Gaz. vol. 133; p. 798.
- Hopkins, W. W., assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Type-writing machine. No. 896,913; Aug. 25; Sp. p. 4307; Dr. pp. 921-3; Gaz. vol. 135; p. 1662.
- Hopkinson, B., and L. G. P. Thring, Cambridge, England. Transmission-dynamometer. No. 904,432; Nov. 17; Sp. p. 3880; Gaz. vol. 137; p. 690.
- Hopkinson, E., East Orange, N. J. Wheel. No. 893,075; July 14; Sp. p. 1393; Dr. p. 294; Gaz. vol. 135; p. 258.
- Hopkinson, E., and J. Frith, assignors to Mather & Platt Limited, Manchester, England. Electric motor. No. 881,585; Mar. 10; Sp. p. 2172; Dr. pp. 473-4; Gaz. vol. 133; p. 394.
- Hopkinson, E., East Orange, N. J., and T. Midgley; said Hopkinson assignor to Hartford Rubber Works Company, Hartford, Conn. Wheel-rim. No. 891,172; June 16; Sp. p. 3995; Dr. p. 877; Gaz. vol. 134; p. 1759.
- Hopkinson, E., East Orange, N. J., and T. Midgley; said Hopkinson assignor to Hartford Rubber Works Company, Hartford, Conn. Apparatus for curing or vulcanizing rubber goods. No. 901,006; Oct. 13; Sp. p. 1988; Dr. p. 404; Gaz. vol. 136; p. 1407.
- Hopkinson, E., East Orange, N. J., and T. Midgley; said Hopkinson assignor to Hartford Rubber Works Company, Hartford, Conn. Curing or vulcanizing the outer shoes or casings of pneumatic tires. No. 901,007; Oct. 13; Sp. p. 1990; Dr. p. 404; Gaz. vol. 136; p. 1407.
- Hopkinson, J., and R. Kilburn, assignors to J. Hopkinson & Co., Ltd., Huddersfield, England. Stop-valve. No. 887,638; May 12; Sp. p. 2654; Dr. p. 559; Gaz. vol. 134; p. 457.
- Hopkinson, R. O., and R. L. Edgcombe, Waterville, Quebec, Canada. Lifting-jack. No. 885,050; Apr. 21; Sp. p. 2828; Dr. p. 598; Gaz. vol. 133; p. 1702.
- Hopkinson, R. O., and R. L. Edgcombe, Waterville, Quebec, Canada. Lifting-jack. No. 907,500; Dec. 22; Sp. p. 4648; Gaz. vol. 137; p. 1849.
- Hopmann, C. H. and H. L. W., St. Louis, Mo. Fireproof-window fastener. No. 897,742; Sept. 1; Sp. p. 1011; Dr. p. 215; Gaz. vol. 136; p. 163.
- Hopmann, H. L. W. (See Hopmann, C. H. and H. L. W.)
- Hoppe, A., Leavenworth, Kans. Crate-cover for wagon-bodies. No. 876,551; Jan. 14; Sp. p. 1761; Dr. p. 383; Gaz. vol. 132; p. 319.
- Hoppenrath, C. E., Elwood, Ind. Calf-weaner. No. 881,405; Mar. 10; Sp. p. 1823; Dr. p. 394; Gaz. vol. 133; p. 334.
- Hopper, A., Orion, Ill. Portable stock-chute. No. 880,665; Mar. 3; Sp. p. 352; Dr. pp. 77-8; Gaz. vol. 133; p. 62.
- Hopper, D. E., Paterson, N. J. Gas-cock. No. 893,847; July 21; Sp. p. 3076; Dr. p. 629; Gaz. vol. 135; p. 542.
- Hopper, J. F., Sherman, Tex. Rotary engine. No. 882,884; Mar. 24; Sp. p. 4768; Dr. p. 1014; Gaz. vol. 133; p. 878.
- Hopper, J. L. (See Rushton, Hopper, and Hardacre.)
- Hopper, W., Jefferson, Iowa. Wire-fence stretcher. No. 895,862; Aug. 11; Sp. p. 2180; Dr. p. 464; Gaz. vol. 135; p. 1275.
- Hopping, G. L., Longbeach, Cal. Heat-regulator. No. 895,371; Aug. 4; Sp. p. 1187; Dr. p. 250; Gaz. vol. 135; p. 1092.
- Hopson, G., Dickson, Tenn. Bumping-post. No. 882,147; Mar. 17; Sp. p. 3319; Dr. p. 707; Gaz. vol. 133; p. 604.
- Hopson, J., Ogden, Utah. Overshoe-fastener. No. 889,374; June 2; Sp. p. 368; Dr. p. 85; Gaz. vol. 134; p. 1116.
- Horak, F. C., Stuart, Nebr. Mower. No. 899,490; Sept. 22; Sp. p. 4413; Dr. p. 947; Gaz. vol. 136; p. 817.
- Horan, M. A., Boston, Mass. Machine for baking altar-bread. No. 889,232; June 2; Sp. p. 83; Dr. p. 19; Gaz. vol. 134; p. 1071.
- Horan, M. J., Hughesville, Mo. Signal-flag for railway-trains. No. 881,690; Mar. 10; Sp. p. 2374; Dr. p. 514; Gaz. vol. 133; p. 426.
- Horat, J., La Fayette, Ind. Steering device for automobiles. No. 886,508; May 5; Sp. p. 331; Dr. p. 68; Gaz. vol. 134; p. 61.
- Hord, L. A., Adamston, W. Va. Rotary engine. No. 902,731; Nov. 3; Sp. p. 397; Gaz. vol. 137; p. 68.
- Horeischi, W., Zurich, Switzerland. Adjustable chart. No. 882,111; Mar. 17; Sp. p. 3261; Dr. p. 693; Gaz. vol. 133; p. 593.
- Horisko, L., New York, N. Y. Animal-trap. No. 903,091; Nov. 3; Sp. p. 1119; Gaz. vol. 137; p. 182.
- Horn, A. P., Hamburg, Germany. Ship's paint. No. 898,476; Sept. 15; Sp. p. 2496; Gaz. vol. 136; p. 462.
- Horn, B., assignor to H. C. Lows, Chicago, Ill. Molding apparatus. No. 882,885; Mar. 24; Sp. p. 4769; Dr. p. 1015; Gaz. vol. 133; p. 878.
- Horn & Brother, W. H. (See Sperzel, G., assignor.)
- Horn, H. M., Coshocton, Ohio. Grinding element for wood-fiber-making machines. No. 902,732; Nov. 3; Sp. p. 399; Gaz. vol. 137; p. 69.
- Horn, J. F., Hazleton, Pa. Lantern. No. 882,201; Mar. 17; Sp. p. 3433; Dr. p. 730; Gaz. vol. 133; p. 621.
- Hornbeck, H. S., assignor of one-third to C. C. McBride, Elizabeth, N. J. Means for controlling expression in automatic pianos. No. 898,477; Sept. 15; Sp. p. 2496; Dr. p. 535; Gaz. vol. 136; p. 462.
- Hornberger, C., *et al.* (See Bollenbach, F., assignor.)
- Horne, E. B., Indian Orchard, Mass. Core-box. No. 904,697; Nov. 24; Sp. p. 4446; Gaz. vol. 137; p. 806.
- Horne, J. (See Dawson and Horne.)

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- Horne, M. M., Detroit, Mich. Washing-machine. No. 889,233; June 2; Sp. p. 84; Dr. p. 19; Gaz. vol. 134; p. 1071.
- Horneffer, F. L., *et al.* (See Shadall, C. E., assignor.)
- Horner, A., Paaulo, Hawaii Ter. Wire-rope transportation system. No. 906,236; Dec. 8; Sp. p. 2197; Gaz. vol. 137; p. 1376.
- Horner, J., Bristol, Pa. Drying-oven. No. 894,145; July 21; Sp. p. 3682; Dr. p. 764; Gaz. vol. 135; p. 640.
- Horner, J. M. (See Hill, W. R. T., assignor.)
- Horner, J. M., Glenfield, Pa. Instantaneous water-heater. No. 894,438; July 28; Sp. p. 4318; Dr. p. 890; Gaz. vol. 135; p. 757.
- Hornor, W., Reed City, Mich. Nail. No. 886,980; May 5; Sp. p. 1274; Dr. p. 269; Gaz. vol. 134; p. 212.
- Horner, W. C., Indianapolis, Ind. Circuit-breaker for automobiles. No. 885,848; Apr. 28; Sp. p. 4489; Dr. p. 942; Gaz. vol. 133; p. 1990.
- Hornor, W. C., Nashville, Tenn. Water-level indicator. No. 892,425; July 7; Sp. p. 65; Dr. p. 15; Gaz. vol. 135; p. 15.
- Hornich, W., Jr., assignor to Whitehead & Hoag Company, Newark, N. J. Advertising bill-hook. No. 901,901; Oct. 20; Sp. p. 3826; Dr. p. 778; Gaz. vol. 136; p. 1734.
- Hornig, C. A., Milwaukee, Wis. Kitchen supply-cabinet. No. 899,399; Sept. 22; Sp. p. 4249; Dr. p. 912; Gaz. vol. 136; p. 788.
- Hornsby, B. F., Grangeville, La. Vehicle-wheel brake. No. 882,759; Mar. 24; Sp. p. 4509; Dr. p. 962; Gaz. vol. 133; p. 837.
- Hornsby, H. H., New York, N. Y. Junction-box. No. 876,187; Jan. 7; Sp. p. 971; Dr. p. 210; Gaz. vol. 132; p. 165.
- Hornsby, H. H., and E. W. Anger, Jr., Chicago, Ill. Protective appliance for electric circuits and apparatus. No. 882,498; Mar. 17; Sp. p. 3965; Dr. p. 848; Gaz. vol. 133; p. 718.
- Hornshaw, C., Port Huron, Mich. Cement post. No. 883,022; Mar. 24; Sp. p. 5031; Dr. p. 1070; Gaz. vol. 133; p. 923.
- Hornung, H. C., New Orleans, La. Washboard. No. 907,238; Dec. 22; Sp. p. 4127; Gaz. vol. 137; p. 1760.
- Hornung, L. R., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 887,639; May 12; Sp. p. 2655; Dr. p. 559; Gaz. vol. 134; p. 457.
- Horrell, C., Madison, Ill. Paper-bag holder. No. 879,772; Feb. 18; Sp. p. 3861; Dr. p. 809; Gaz. vol. 132; p. 1535.
- Horrell, C., Madison, Ill. Metal railway-tie. No. 898,108; Sept. 8; Sp. p. 1792; Dr. p. 380; Gaz. vol. 136; p. 313.
- Horreschow, L. P. (See Plemo, O. E., assignor.)
- Horrocks, W. E., Cleveland, Ohio. Drafting instrument. No. 880,796; Mar. 3; Sp. p. 619; Dr. p. 131; Gaz. vol. 133; p. 107.
- Horry, W. S. (See Price and Horry.)
- Horry, W. S., Niagara Falls, N. Y., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 899,983; Sept. 29; Sp. p. 5467; Dr. p. 1166; Gaz. vol. 136; p. 1014.
- Hörselwerke. (See Zweigler, E., assignor.)
- Horse, A. W., and H. H. Vaughan, Montreal, Quebec, Canada, assignors to American Locomotive Company. Superheater for steam-boilers. No. 904,129; Nov. 17; Sp. p. 3235; Gaz. vol. 137; p. 587.
- Horsfal, H., assignor to Salts Textile Manufacturing Company, Bridgeport, Conn. Warp stop-motion for looms. No. 879,873; Feb. 25; Sp. p. 4096; Dr. pp. 859-60; Gaz. vol. 132; p. 1601.
- Horsfield, J., assignor of one-half to F. M. Stresenreuter, Chicago, Ill. Mold for concrete walls. No. 884,733; Apr. 14; Sp. p. 2184; Dr. p. 463; Gaz. vol. 133; p. 1569.
- Horsfield, J., assignor of one-half to F. M. Stresenreuter, Chicago, Ill. Concrete-wall mold. No. 884,734; Apr. 14; Sp. p. 2185; Dr. p. 463; Gaz. vol. 133; p. 1569.
- Horsley, R. L. (See Alverson and Horsley.)
- Horsley, R. L., Fort Worth, Tex. Wire straightening and coiling machine. No. 890,907; June 16; Sp. p. 3479; Dr. p. 762; Gaz. vol. 134; p. 1674.
- Horsley, R. L., Fort Worth, Tex. Wire-fence stay. No. 902,659; Nov. 3; Sp. p. 248; Gaz. vol. 137; p. 42.
- Horsman, E. I., Jr., New York, N. Y., assignor to F. M. Clark, B. S. Cotes, F. G. Balcom, Tilton, N. H., and C. H. Southard, Baldwin, N. Y. Machine for making designs. No. 894,205; July 28; Sp. p. 3821; Dr. pp. 791-2; Gaz. vol. 135; p. 679.
- Horst, J., Hubbell, Mich. Pipe-wrench. No. 885,926; Apr. 28; Sp. p. 4656; Dr. p. 981; Gaz. vol. 133; p. 2015.
- Horst, M. F. (See Endsley, R., assignor.)
- Horstmann, A., *et al.* (See Horstmann, S. A., assignor.)
- Horstmann, E. H., *et al.* (See Horstmann, S. A., assignor.)
- Horstmann, G. O. H., *et al.* (See Horstmann, S. A., assignor.)
- Horstmann, H. J., Fort Wayne, Ind. Air-compressor. No. 901,344; Oct. 20; Sp. p. 2636; Dr. pp. 542-3; Gaz. vol. 136; p. 1549.
- Horstmann, S. A., assignor of five-sixths to A. G. O. H., and E. H. Horstmann, W. T. Edgar, Bath, and R. A. Lister & Company, Limited, Dursley, England. Carbureter for internal-combustion engines. No. 881,800; Mar. 10; Sp. p. 2593; Dr. pp. 556-7; Gaz. vol. 133; p. 462.
- Horto Electrical Company. (See Golden, M. K., assignor.)
- Horton, A. J., White Plains, N. Y., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-starter. No. 883,956; Apr. 7; Sp. p. 584; Dr. p. 117; Gaz. vol. 133; p. 1285.
- Horton, B. D., Detroit, Mich., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Extension-plug for electric lights. No. 879,773; Feb. 18; Sp. p. 3862; Dr. p. 809; Gaz. vol. 132; p. 1536.
- Horton, B. D., assignor to Horton-Morehouse Company, Detroit, Mich. Thermal cut-out. No. 893,586; July 14; Sp. p. 2455; Dr. p. 511; Gaz. vol. 135; p. 424.
- Horton, B. D., assignor to Horton-Massnick Co., Detroit, Mich. Fuse-holder. No. 901,448; Oct. 20; Sp. p. 2905; Dr. p. 592; Gaz. vol. 136; p. 1587.
- Horton Basket Machine Company of West Virginia. (See Horton, E., assignor.)
- Horton, E., Elmira, N. Y., assignor to Horton Basket Machine Company of West Virginia. Basket-machine. No. 877,891; Jan. 28; Sp. p. 4470; Dr. pp. 974-5; Gaz. vol. 132; p. 819.
- Horton, E., Elmira, N. Y. Basket-making machine. No. 881,320; Mar. 10; Sp. p. 1653; Dr. p. 354; Gaz. vol. 133; p. 308.
- Horton, E. H., assignor of one-half to B. W. Donaldson, Pontiac, Mich. Try and bevel square. No. 894,832; Aug. 4; Sp. p. 68; Dr. p. 14; Gaz. vol. 135; p. 911.
- Horton, E. L., Oroville, Cal. Fair-lead. No. 906,802; Dec. 15; Sp. p. 3257; Gaz. vol. 137; p. 1584.
- Horton, F. W., Ione, Cal. Stove oil-burner. No. 894,503; July 28; Sp. p. 4440; Dr. p. 919; Gaz. vol. 135; p. 778.
- Horton, J. M., Arcata, Cal. Take-down chair. No. 882,316; Mar. 17; Sp. p. 3660; Dr. pp. 776-7; Gaz. vol. 133; p. 660.
- Horton, J. S., deceased; O. E. Horton, administratrix, assignor of one-half to E. P. Company, Edgerton, Ohio. Safety-envelop. No. 906,630; Dec. 15; Sp. p. 2929; Gaz. vol. 137; p. 1529.
- Horton-Massnick Co. (See Horton, B. D., assignor.)
- Horton-Morehouse Company. (See Horton, B. D., assignor.)
- Horton, O. E., administratrix. (See Horton, J. S.)
- Horton, R. W., and J. E. Moiesworth, New Athens, Ohio. Clip. No. 882,886; Mar. 24; Sp. p. 4770; Dr. p. 1015; Gaz. vol. 133; p. 878.
- Hosack, L. L. (See Geltz and Hosack.)
- Hosack, N. V., Jackson Center, Pa. Wire-clamp. No. 892,258; June 30; Sp. p. 6222; Dr. p. 1340; Gaz. vol. 134; p. 2182.
- Hoschke, W. H., assignor to Sonora Chime Co., New York, N. Y. Bell-chime for clocks and other devices. No. 879,170; Feb. 18; Sp. p. 2640; Dr. pp. 550-1; Gaz. vol. 132; p. 1341.
- Hose, H. G., New York, N. Y. Game-counter and the like. No. 881,926; Mar. 17; Sp. p. 2884; Dr. p. 615; Gaz. vol. 133; p. 533.
- Hoseason, J. H., Manchester, England. Urethral syringe. No. 885,999; Apr. 28; Sp. p. 4813; Dr. p. 1011; Gaz. vol. 133; p. 2041.
- Hosford, F., Sterrett, Tex. Harrow. No. 877,647; Jan. 28; Sp. p. 4024; Dr. p. 868; Gaz. vol. 132; p. 742.
- Hoskin, E. F., Evanston, assignor to Hoskins Company, Chicago, Ill. Electric heater. No. 877,843; Jan. 28; Sp. p. 4379; Dr. pp. 952-3; Gaz. vol. 132; p. 803.
- Hosking, J., assignor of one-half to J. C. Dufresne, Claremont, N. H. Safety connection for taps and chucks. No. 881,075; Mar. 3; Sp. p. 1166; Dr. p. 251; Gaz. vol. 133; p. 198.
- Hoskins Company. (See Hoskin, E. F., assignor.)
- Hoskins Company. (See Marsh, A. L., assignor.)
- Hoskins, G., Taylor, Mo. Swinging gate. No. 895,462; Aug. 11; Sp. p. 1386; Dr. pp. 291-2; Gaz. vol. 135; p. 1146.
- Hoskins, Z. T., Brookhaven, Miss. Corset. No. 880,532; Mar. 3; Sp. p. 73; Dr. p. 18; Gaz. vol. 133; p. 16.
- Hoskins, Z. T., Brookhaven, Miss. Corset-closure. No. 880,736; Mar. 3; Sp. p. 499; Dr. p. 104; Gaz. vol. 133; p. 86.
- Hoskyns, W. J., assignor to Auto Accessories Manufacturing Company, Detroit, Mich. Carriage-top. No. 876,905; Jan. 14; Sp. p. 2472; Dr. p. 540; Gaz. vol. 132; p. 436.
- Hosmer, A., Fort Worth, Tex. Railway-crossing. No. 877,340; Jan. 21; Sp. p. 3400; Dr. pp. 737-8; Gaz. vol. 132; p. 621.
- Hosmer, J. E., Silverton, Oreg. Walking hand-cultivator. No. 893,627; July 21; Sp. p. 2540; Dr. p. 530; Gaz. vol. 133; p. 468.
- Hosmer, J. G., Grand Junction, Colo. Concrete form holder and adjuster. No. 904,433; Nov. 17; Sp. p. 3883; Gaz. vol. 137; p. 690.
- Hosmer, P. C. (See Hills, E. T., assignor.)
- Hossack, T. T., assignor of one-half to L. L. Lewis, Oil City, Pa. Heating apparatus. No. 906,423; Dec. 8; Sp. p. 2551; Gaz. vol. 137; p. 1439.
- Hostachy, A. G. (See Hall and Hostachy.)
- Hostetter, J. E., and G. N. Worst, Pequea, Pa. Fishing-rod. No. 895,372; Aug. 4; Sp. p. 1189; Dr. p. 250; Gaz. vol. 135; p. 1093.
- Hostettler, A., Columbus, Ohio. Bottle-sealing device. No. 878,287; Feb. 4; Sp. p. 809; Dr. p. 161; Gaz. vol. 132; p. 978.

Alphabetical list of patentees—Continued.

- Hotaling, I. L., Riverton, assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture. No. 876,965; Jan. 21; Sp. p. 2629; Dr. p. 571; Gaz. vol. 132; p. 496.
- Hotaling Manufacturing Company. (See Chapman, C. F., assignor.)
- Hotchkiss, C. A., assignor to Ives Manufacturing Corporation, Bridgeport, Conn. Toy-railway switch. No. 897,622; Sept. 1; Sp. p. 781; Dr. p. 164; Gaz. vol. 136; p. 124.
- Hotchkiss, F. H., assignor to H. Ames, Chicago, Ill. Soap-truck clamp. No. 893,926; July 21; Sp. p. 3223; Dr. p. 664; Gaz. vol. 135; p. 567.
- Hotchner, J., San Francisco, Cal. Illuminated sign. No. 883,682; Mar. 31; Sp. p. 6390; Dr. p. 1363; Gaz. vol. 133; p. 1166.
- Hothersall, J. M., Brooklyn, assignor to American Can Company, New York, N. Y. Sheet-metal sifter-top can or box. No. 886,509; May 5; Sp. p. 332; Dr. p. 68; Gaz. vol. 134; p. 61.
- Hothersall, J. M., assignor to American Can Company, New York, N. Y. Sifter-top powder can or box. No. 886,702; May 5; Sp. p. 736; Dr. p. 151; Gaz. vol. 134; p. 125.
- Hottman, C. W., assignor of one-half to C. Offenhauser, Philadelphia, Pa. Machine for cutting cabbage. No. 898,109; Sept. 8; Sp. p. 1794; Dr. p. 381; Gaz. vol. 136; p. 313.
- Hottmann, F., Heilbronn, Germany. Means for preventing the unauthorized abstraction of the contents of savings-boxes, collecting-boxes, and the like. No. 891,994; June 30; Sp. p. 5726; Dr. p. 1231; Gaz. vol. 134; p. 2096.
- Houben, C., assignor to Ehrhardt & Sehmer, Gesellschaft mit beschränkter Haftung, Schleifmühle, near Saarbrücken, Germany. Cylinder for gas-engines and the like. No. 896,543; Aug. 18; Sp. p. 3522; Dr. p. 756; Gaz. vol. 135; p. 1517.
- Houchin, E. A. (See Huber and Houchin.)
- Houchin, J. R., assignor to Houchin Manufacturing Company, Atlanta, Ga. Pasting-machine. No. 884,927; Apr. 14; Sp. p. 2577; Dr. p. 542; Gaz. vol. 133; p. 1629.
- Houchin Manufacturing Company. (See Houchin, J. R., assignor.)
- Houck, A. F., Easton, Pa. Seam-closer. No. 886,214; Apr. 28; Sp. p. 5218; Dr. p. 1099; Gaz. vol. 133; p. 2109.
- Houck, G. E., Roseburg, Ore. Target. No. 890,228; June 9; Sp. p. 2080; Dr. pp. 455-6; Gaz. vol. 134; p. 1420.
- Houck, J. H., Salisbury, N. C. Railway-tie. No. 889,687; June 2; Sp. p. 983; Dr. p. 227; Gaz. vol. 134; p. 1217.
- Houck, W., assignor of one-half to W. S. French and S. M. Keller, Monte Vista, Colo. Drill-boot. No. 883,023; Mar. 24; Sp. p. 5031; Dr. p. 1071; Gaz. vol. 133; p. 923.
- Hough, A. C., assignor to Hough Shade Corporation, Janesville, Wis. Mechanism for replacing weft units. No. 886,126; Apr. 28; Sp. p. 5071; Dr. pp. 1064-5; Gaz. vol. 133; p. 2081.
- Hough, A. C., assignor to Hough Shade Corporation, Janesville, Wis. Replacing weft units. No. 886,127; Apr. 28; Sp. p. 5075; Dr. p. 1065; Gaz. vol. 133; p. 2081.
- Hough, D. L., New York, N. Y. Apparatus for molding conduits in concrete, &c. No. 896,914; Aug. 25; Sp. p. 4312; Dr. pp. 923-4; Gaz. vol. 135; p. 1662.
- Hough, E. B., assignor to Irvine and Hough Company, Stockton, Cal. Endless-roll mechanism for pneumatic music-players. No. 893,927; July 21; Sp. p. 3224; Dr. pp. 664-5; Gaz. vol. 135; p. 567.
- Hough, E. B., assignor to Irvine and Hough Company, Stockton, Cal. Automatic self-adjusting pneumatic-music-player action-valve. No. 894,007; July 21; Sp. p. 3396; Dr. p. 694; Gaz. vol. 135; p. 593.
- Hough, E. C., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air-gun. No. 903,092; Nov. 3; Sp. p. 1120; Gaz. vol. 137; p. 153.
- Hough, H. J., A. J. Dietrich, and W. F. Brunswick, Akron, Ohio. Stove and furnace. No. 898,367; Sept. 8; Sp. p. 2272; Dr. p. 483; Gaz. vol. 136; p. 394.
- Hough, J., Guelph, Ontario, Canada. Belt-buckle. No. 898,366; Sept. 8; Sp. p. 2271; Dr. p. 483; Gaz. vol. 136; p. 394.
- Hough, J. E., London, England. Phonograph. No. 905,184; Dec. 1; Sp. p. 120; Gaz. vol. 137; p. 1003.
- Hough Shade Corporation. (See Hough, A. C., assignor.)
- Hough, W. J., Toledo, Ohio. Producing terpenes from wood. No. 903,471; Nov. 10; Sp. p. 1872; Gaz. vol. 137; p. 338.
- Hough, W. J., Toledo, Ohio. Treating wood to produce terpenes and wood-pulp. No. 903,859; Nov. 17; Sp. p. 2665; Gaz. vol. 137; p. 494.
- Houghland, G. T., Rochester, N. Y. Lace-hook. No. 887,942; May 19; Sp. p. 3268; Dr. p. 686; Gaz. vol. 134; p. 588.
- Houghtaling, P. A., Riverton, assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture. No. 883,957; Apr. 7; Sp. p. 590; Dr. p. 118; Gaz. vol. 133; p. 1285.
- Houghtaling, P. A., Riverton, assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture. No. 896,915; Aug. 25; Sp. p. 4315; Dr. p. 924; Gaz. vol. 135; p. 1663.
- Houghtaling, P. A., Riverton, assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture. No. 898,894; Sept. 15; Sp. p. 3289; Dr. p. 704; Gaz. vol. 136; p. 598.
- Houghton, D., Petersburg, Ill. Dump and elevator. No. 876,056; Jan. 7; Sp. p. 710; Dr. pp. 152-3; Gaz. vol. 132; p. 123.
- Houghton, L. T., Worcester, Mass. Top-roll saddle. No. 879,641; Feb. 18; Sp. p. 3606; Dr. pp. 754-5; Gaz. vol. 132; p. 1493.
- Houghton, L. T., Worcester, Mass. Spinning or twisting frame. No. 879,642; Feb. 18; Sp. p. 3611; Dr. p. 755; Gaz. vol. 132; p. 1493.
- Houghton, T. M., London, England. Ladder and trap-door mechanism. No. 876,354; Jan. 14; Sp. p. 1324; Dr. p. 287; Gaz. vol. 132; p. 251.
- Houghton, W., Seattle, Wash. Conduit. No. 903,572; Nov. 10; Sp. p. 2081; Gaz. vol. 137; p. 372.
- Houghton, W. S., Boston, Mass. Pavement and making the same. No. 888,886; May 26; Sp. p. 5184; Dr. p. 1100; Gaz. vol. 134; p. 928.
- Houghton, W. S., Boston, Mass. Pavement or roadway and making same. No. 888,887; May 26; Sp. p. 5186; Dr. p. 1101; Gaz. vol. 134; p. 928.
- Houghland, F. H., assignor to I. Seligstein, St. Louis, Mo. Folding box. No. 895,564; Aug. 11; Sp. p. 1583; Dr. pp. 334-5; Gaz. vol. 135; p. 1180.
- Houghland, F. H., assignor to I. Seligstein, St. Louis, Mo. Folding box. No. 906,138; Dec. 8; Sp. p. 2009; Gaz. vol. 137; p. 1344.
- Houk, F. J., Coffeyville, Kans. Glass-molding machine. No. 893,500; July 14; Sp. p. 2262; Dr. pp. 474-5; Gaz. vol. 135; p. 397.
- Houlehan, J., *et al.* (See Mayo, W. C., assignor.)
- Houlehan, J. (See Mayo and Houlehan.)
- House, C. W. (See Racklyeft, G. S., assignor.)
- House, F. H., and E. Dietz, Buffalo, N. Y.; said Dietz assignor to said House. Labeling-machine. No. 906,631; Dec. 15; Sp. p. 2930; Gaz. vol. 137; p. 1529.
- Houseman, H. A., assignor to Standard Machine Company, Philadelphia, Pa. Take-up device for circular-knitting machines. No. 883,958; Apr. 7; Sp. p. 592; Dr. p. 118; Gaz. vol. 133; p. 1286.
- Houseman, H. A., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine. No. 898,110; Sept. 8; Sp. p. 1795; Dr. p. 331; Gaz. vol. 136; p. 313.
- Houseman, H. A., assignor to Standard Machine Company, Philadelphia, Pa. Needle-cylinder and operative mechanism for needles of circular-knitting machines. No. 903,190; Nov. 3; Sp. p. 1310; Gaz. vol. 137; p. 245.
- Houseman, H. A., assignor to Standard Machine Company, Philadelphia, Pa. Mechanism for forming garter-tops on stockings in circular-knitting machines. No. 905,185; Dec. 1; Sp. p. 121; Gaz. vol. 137; p. 1003.
- Houser, H. B., Cincinnati, Ohio. Freight-car. No. 900,170; Oct. 6; Sp. p. 207; Dr. p. 42; Gaz. vol. 136; p. 1106.
- Houser, J., Medford, Okla. Auxiliary water-heater. No. 895,565; Aug. 11; Sp. p. 1585; Dr. p. 335; Gaz. vol. 135; p. 1180.
- Houser, J. W., Hammond, Ind., assignor to American Steel Foundries, New York, N. Y. Two-part reversible brake-beam fulcrum. No. 876,057; Jan. 7; Sp. p. 711; Dr. p. 153; Gaz. vol. 132; p. 123.
- Housinger, A. C., Sylvia, Kans. Wagon-raiser. No. 881,240; Mar. 10; Sp. p. 1495; Dr. p. 322; Gaz. vol. 133; p. 282.
- Houston, C. (See Greene, E. E., assignor.)
- Houston, C. G., *et al.* (See Barri, J. G., assignor.)
- Houston, R. E., administrator. (See Shaw, J. P.)
- Houston, R. S., Emerson, Manitoba, Canada. Grain-treating apparatus. No. 897,899; Sept. 8; Sp. p. 1352; Dr. p. 289; Gaz. vol. 136; p. 245.
- Houston, W. A., Tracy, Minn. Fountain-pen. No. 895,463; Aug. 11; Sp. p. 1388; Dr. p. 292; Gaz. vol. 135; p. 1146.
- Houze, U. (See Mambourg and Houze.)
- Hoveck, M. (See Weaver, J. W., assignor.)
- Hovendick, J. E., Desoto township, Washington county, Nebr. Hoist. No. 888,612; May 26; Sp. p. 4591; Dr. p. 973; Gaz. vol. 134; p. 839.
- Hoyer, A. C., Paterson, N. J. Doll-eyes mechanism. No. 903,573; Nov. 10; Sp. p. 2082; Gaz. vol. 137; p. 372.
- Hovey, A., Sun Prairie, Wis. Tobacco-spearer machine. No. 875,998; Jan. 7; Sp. p. 605; Dr. pp. 129-30; Gaz. vol. 132; p. 106.
- Hovey, M. H., assignor to General Railway Signal Company, Buffalo, N. Y. Signaling. No. 896,831; Aug. 25; Sp. p. 4113; Dr. p. 883; Gaz. vol. 135; p. 1634.
- Hovey, W. S., assignor to Sheffield Car Company, Three Rivers, Mich. Railway motor-velocipede. No. 876,058; Jan. 7; Sp. p. 713; Dr. pp. 153-4; Gaz. vol. 132; p. 124.
- Hovey, W. S., assignor to Sheffield Car Company, Three Rivers, Mich. Transmission-gear. No. 876,355; Jan. 14; Sp. p. 1325; Dr. p. 287; Gaz. vol. 132; p. 252.
- Hovis, H. D., Waterford, Pa. Attachment for horseshoes. No. 898,895; Sept. 15; Sp. p. 3291; Dr. p. 704; Gaz. vol. 136; p. 598.

Alphabetical list of patentees—Continued.

- Hevis, J. T., Clintonville, Pa. Clamp for motion-rods for oil-wells. No. 876,966; Jan. 21; Sp. p. 2630; Dr. p. 571; Gaz. vol. 132; p. 496.
 Hoviand, A., Waubay, S. D. Central-delivery reaper. No. 885,157; Apr. 21; Sp. p. 3063; Dr. p. 644; Gaz. vol. 133; p. 1736.
 Hovland, A., Waubay, S. D. Traveling thresher. No. 894,439; July 28; Dr. p. 4320; Dr. pp. 890-1; Gaz. vol. 135; p. 757.
 Hovland, A. M., *et al.* (See Edman, J., assignor.)
 Howard, A. G., Gowanda, N. Y. Brush-holder. No. 888,896; May 26; Sp. p. 5207; Dr. p. 1104; Gaz. vol. 134; p. 932.
 Howard Brothers Manufacturing Company. (See Kasparson, A. B., assignor.)
 Howard & Bullough American Machine Company. (See Jackson, J., assignor.)
 Howard & Bullough American Machine Company. (See Riley, C. E., assignor.)
 Howard, C., Brooklyn, N. Y. Fire-extinguishing compound. No. 879,171; Feb. 18; Sp. p. 2643; Gaz. vol. 132; p. 1341.
 Howard, C., Brooklyn, N. Y. Fire-extinguishing apparatus. No. 881,076; Mar. 3; Sp. p. 1167; Dr. p. 252; Gaz. vol. 133; p. 199.
 Howard, C., New York, N. Y. Preserving wood. No. 899,400; Sept. 22; Sp. p. 4250; Gaz. vol. 136; p. 788.
 Howard, C., assignor to National Wood-Vulcanizing Company, New York, N. Y. Vulcanizing wood. No. 900,017; Sept. 29; Sp. p. 5549; Gaz. vol. 136; p. 1026.
 Howard, C. A., and H. V. Coes, New York, N. Y. Safety appliance for steam-locomotives. No. 879,467; Feb. 18; Sp. p. 3240; Dr. p. 675; Gaz. vol. 132; p. 1436.
 Howard, C. H. (See Adams and Howard.)
 Howard, C. H. (See Westlake and Frede, assignors.)
 Howard, C. H., St. Louis, Mo. Car-underframe. No. 881,185; Mar. 10; Sp. p. 1377; Dr. p. 297; Gaz. vol. 133; p. 264.
 Howard, C. H., assignor to Railroad Weed Burner Company, St. Louis, Mo. Vegetation-destroyer. No. 875,817; Jan. 7; Sp. p. 265; Dr. p. 58; Gaz. vol. 132; p. 49.
 Howard, C. H., and H. M. Pfleger, assignors to Double Body Bolster Company, St. Louis, Mo. Car-bolster. No. 875,818; Jan. 7; Sp. p. 266; Dr. p. 58; Gaz. vol. 132; p. 50.
 Howard, C. H., and H. M. Pfleger, assignors to Double Body Bolster Company, St. Louis, Mo. Car-truck. No. 899,401; Sept. 22; Sp. p. 4251; Dr. p. 912; Gaz. vol. 136; p. 788.
 Howard, C. H., and H. M. Pfleger, assignors to Double Body Bolster Company, St. Louis, Mo. Car-truck. No. 903,191; Nov. 10; Sp. p. 1311; Gaz. vol. 137; p. 245.
 Howard, C. H., H. M. Pfleger, and C. T. Westlake, assignors to Transom Draft Gear Company, St. Louis, Mo. Draft-gear for railway-cars. No. 889,234; June 2; Sp. p. 85; Dr. p. 19; Gaz. vol. 134; p. 1072.
 Howard, C. P. and F. E., Hartford, Conn., assignors to James L. Howard & Company. Baggage-rack. No. 907,601; Dec. 22; Sp. p. 4857; Gaz. vol. 137; p. 1881.
 Howard, E. G., assignor to Chapman Valve Manufacturing Company, Springfield, Mass. Motor-valve mechanism. No. 892,833; July 7; Sp. p. 878; Dr. p. 188; Gaz. vol. 135; p. 148.
 Howard, E. H., Providence, R. I. Valve. No. 886,128; Apr. 28; Sp. p. 5077; Dr. p. 1065; Gaz. vol. 133; p. 2082.
 Howard, F. B., and A. Rector, assignors to Rector Gas Lamp Company, New York, N. Y. Adjustable mantle-support. No. 879,874; Feb. 25; Sp. p. 4100; Dr. p. 860; Gaz. vol. 132; p. 1602.
 Howard, F. E. (See Howard, C. P. and F. E.)
 Howard, G. K., Richmond Hill, N. Y. Rod-packing. No. 902,296; Oct. 27; Sp. p. 4651; Dr. p. 944; Gaz. vol. 136; p. 1891.
 Howard, H., North Woburn, Mass. Preparing solutions of gases. No. 889,132; May 26; Sp. p. 5663; Dr. p. 1199; Gaz. vol. 134; p. 1006.
 Howard, H., Boston, Mass. Fume-arrester. No. 896,111; Aug. 18; Sp. p. 2659; Dr. p. 574; Gaz. vol. 135; p. 1377.
 Howard, H. C., Conimicut, R. I. Valve recording and indicating device. No. 899,733; Sept. 29; Sp. p. 4929; Dr. p. 1057; Gaz. vol. 136; p. 932.
 Howard, H. H., Plainfield, N. J., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Quick-break electric switch. No. 900,736; Oct. 13; Sp. p. 1422; Dr. p. 289; Gaz. vol. 136; p. 1318.
 Howard, H. J. M., Washington, D. C. Hose-rack. No. 890,652; June 16; Sp. p. 2956; Dr. pp. 647-8; Gaz. vol. 134; p. 1591.
 Howard, H. J. M., Washington, D. C. Means for supporting flexible hose. No. 890,653; June 16; Sp. p. 2958; Dr. p. 648; Gaz. vol. 134; p. 1591.
 Howard, J. H., assignor of one-half to C. H. Kuebler, Baltimore, Md. Paper-gage for presses. No. 893,587; July 14; Sp. p. 2457; Dr. p. 511; Gaz. vol. 135; p. 424.
 Howard, L. (See Turner and Howard.)
 Howard, L. F., Edgewood Park, assignor to Union Switch and Signal Company, Swissvale, Pa. Circuit-controller. No. 877,427; Jan. 21; Sp. p. 3569; Dr. p. 771; Gaz. vol. 132; p. 650.
 Howard, L. F., Edgewood Park, assignor to Union Switch and Signal Company, Swissvale, Pa. Solenoid-motor. No. 899,598; Sept. 29; Sp. p. 4663; Dr. p. 1000; Gaz. vol. 136; p. 890.
 Howard, M. T., Clarendon, Tex. Ant-trap. No. 884,928; Apr. 14; Sp. p. 2578; Dr. p. 542; Gaz. vol. 133; p. 1630.
 Howard Miniature Lamp Company. (See Plass, H. E., assignor.)
 Howard, N. E., Statesboro, Ga. Gearing. No. 879,549; Feb. 18; Sp. p. 3411; Dr. p. 715; Gaz. vol. 132; p. 1464.
 Howard, O., assignor of one-half to C. Deacon, Colorado Springs, Colo. Shoe-lace fastener. No. 891,069; June 16; Sp. p. 3818; Dr. p. 833; Gaz. vol. 134; p. 1728.
 Howard, P., Wilberforce, Ohio. Fence. No. 899,112; Sept. 22; Sp. p. 3687; Dr. p. 790; Gaz. vol. 136; p. 696.
 Howard, R. H., Riverside, Cal. Irrigation-gate box. No. 876,879; Jan. 14; Sp. p. 2418; Dr. pp. 527-8; Gaz. vol. 132; p. 426.
 Howard, V. (See Canfield, F., assignor.)
 Howard, W. F. (See Todd and Harvison, assignors.)
 Howarth, D., Chester, Pa. Water-cooler. No. 907,052; Dec. 15; Sp. p. 3716; Gaz. vol. 137; p. 1662.
 Howarth, H. A. S., New Haven, Conn. Emery-wheel dresser. No. 902,660; Nov. 3; Sp. p. 248; Gaz. vol. 137; p. 42.
 Howarth, H. J. (See Neal, Shaw, and Howarth.)
 Howatson, G. M., Clatskanie, Oreg. Crosscut-saw. No. 886,296; Apr. 28; Sp. p. 5380; Dr. p. 1130; Gaz. vol. 133; p. 2138.
 Howd, C. B., Belvidere, Ill. Corset. No. 899,113; Sept. 22; Sp. p. 3688; Dr. p. 790; Gaz. vol. 136; p. 696.
 Howe, B. S., *et al.* (See Moore, J. E., assignor.)
 Howe, B. W., Beloit, Kans. Chisel. No. 903,093; Nov. 3; Sp. p. 1121; Gaz. vol. 137; p. 183.
 Howe, C. E., and J. J. Kingston, Wabash, assignors to Wabash Manufacturing Company, Indianapolis, Ind. Vehicle. No. 902,965; Nov. 3; Sp. p. 865; Gaz. vol. 137; p. 144.
 Howe, D., Upson, Wis. Measure. No. 894,953; Aug. 4; Sp. p. 351; Dr. p. 71; Gaz. vol. 135; p. 952.
 Howe and Davidson Company. (See Davidson, F. B., assignor.)
 Howe and Davidson Company. (See Davidson and Gorges, assignors.)
 Howe & Davidson Company. (See Kuhlmann, F. R., assignor.)
 Howe, E. F., Needham, Mass. Drum-stand. No. 891,479; June 23; Sp. p. 4656; Dr. p. 1009; Gaz. vol. 134; p. 1894.
 Howe, E. L., assignor to Standard Malleable Iron Company, Muskegon, Mich. Pipe bracket or support. No. 884,661; Apr. 14; Sp. p. 2051; Dr. p. 438; Gaz. vol. 133; p. 1543.
 Howe, E. P., Boston, Mass. Washstand. No. 892,523; July 7; Sp. p. 261; Dr. pp. 55-6; Gaz. vol. 135; p. 48.
 Howe, F. C., Globe, Ariz. Ter. Counter. No. 891,173; June 16; Sp. p. 3997; Dr. p. 877; Gaz. vol. 134; p. 1759.
 Howe, F. D., administratrix. (See Howe, J. E.)
 Howe, F. D., assignor to Waltham Mfg. Company, Waltham, Mass. Controlling mechanism for motor-vehicles. No. 896,298; Aug. 18; Sp. p. 3017; Dr. p. 650; Gaz. vol. 135; p. 1438.
 Howe, G. G., Indianapolis, Ind. Chain-link. No. 882,317; Mar. 17; Sp. p. 3663; Dr. p. 777; Gaz. vol. 133; p. 660.
 Howe-Gould, R., Springs, Transvaal. Fluid-meter. No. 881,586; Mar. 10; Sp. p. 2175; Dr. p. 474; Gaz. vol. 133; p. 395.
 Howe, I. H., Beloit, Kans. Saw attachment. No. 882,318; Mar. 17; Sp. p. 3664; Dr. p. 777; Gaz. vol. 133; p. 660.
 Howe, J. E., deceased, New York, N. Y.; F. D. Howe, administratrix. Insulating-block for building purposes. No. 906,025; Dec. 8; Sp. p. 1793; Gaz. vol. 137; p. 1308.
 Howe Manufacturing Company. (See Collier and Rigg, assignors.)
 Howe, S. P., Merchantville, assignor to Camden Forge Company, Camden, N. J. Furnace-door. No. 902,966; Nov. 3; Sp. p. 867; Gaz. vol. 137; p. 144.
 Howe, W., Seattle, Wash. Pile-protector. No. 900,929; Oct. 13; Sp. p. 1837; Dr. p. 374; Gaz. vol. 136; p. 1381.
 Howe, W. F., Schenectady, N. Y., assignor to General Electric Company. Indicating and recording instrument. No. 904,783; Nov. 24; Sp. p. 4640; Gaz. vol. 137; p. 834.
 Howe, W. K., Buffalo, N. Y., assignor to General Railway Signal Company. Electromagnet. No. 880,888; Mar. 3; Sp. p. 826; Dr. p. 175; Gaz. vol. 133; p. 139.
 Howe, W. K., Buffalo, N. Y., assignor to General Railway Signal Company. System of automatic block-signaling for electric railways. No. 884,158; Apr. 7; Sp. p. 1040; Dr. p. 216; Gaz. vol. 133; p. 1352.
 Howe, W. K., assignor to General Railway Signal Company, Buffalo, N. Y. Railway signaling apparatus. No. 902,297; Oct. 27; Sp. p. 4652; Dr. p. 944; Gaz. vol. 136; p. 1892.
 Howell, A. A., Powers Lake, N. D. Churn. No. 880,305; Feb. 25; Sp. p. 4984; Dr. pp. 1051-2; Gaz. vol. 132; p. 1745.
 Howell, A. C. (See McMunn and Howell.)

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- Howell, C. W., Newark, N. J., assignor to Sun Typewriter Company. Type-writing machine. No. 884,735; Apr. 14; Sp. p. 2186; p. 464; Gaz. vol. 133; p. 1569.
- Howell, E. B., Butte, Mont. Electric railway signaling system. No. 888,613; May 26; Sp. p. 4592; Dr. p. 974; Gaz. vol. 134; p. 839.
- Howell, E. I. G. (See Avery, Howell, and Eick.)
- Howell, F. B., Schenectady, N. Y., assignor to General Electric Company. Brush-holder. No. 882,565; Mar. 24; Sp. p. 4121; Dr. p. 874; Gaz. vol. 133; p. 773.
- Howell, F. B., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 905,817; Dec. 1; Sp. p. 1389; Gaz. vol. 137; p. 1211.
- Howell, G. R. (See Ullman and Howell.)
- Howell, J. E., Spearfish, S. D. Potato sorter and cleaner. No. 877,462; Jan. 21; Sp. p. 3631; Dr. p. 786; Gaz. vol. 132; p. 660.
- Howell, J. W., Newark, N. J., assignor to General Electric Company. Incandescent lamp. No. 903,860; Nov. 17; Sp. p. 2667; Gaz. vol. 137; p. 496.
- Howell, J. W., Newark, N. J., assignor to General Electric Company. Incandescent lamp. No. 904,482; Nov. 17; Sp. p. 3984; Gaz. vol. 137; p. 707.
- Howell, M. D., Charleston, Mo. Display apparatus for rugs and the like. No. 888,087; May 19; Sp. p. 3538; Dr. p. 740; Gaz. vol. 134; p. 634.
- Howell, R. D., Newark, N. J. Toy or puzzle. No. 899,402; Sept. 22; Sp. p. 4253; Dr. p. 912; Gaz. vol. 136; p. 788.
- Howell, T., Newark, N. J. Carburetor. No. 901,345; Oct. 20; Sp. p. 2647; Dr. p. 543; Gaz. vol. 136; p. 1550.
- Howell, T. W., Mabton, Wash. Breast-pumping machine. No. 897,289; Sept. 1; Sp. p. 44; Dr. p. 11; Gaz. vol. 136; p. 10.
- Howell, W. W., East Liverpool, Ohio. Knife-handle. No. 886,809; May 5; Sp. p. 975; Dr. p. 204; Gaz. vol. 134; p. 159.
- Howells, F. R., Port Washington, N. Y. Shafts for vehicles. No. 896,992; Aug. 25; Sp. p. 4475; Dr. p. 956; Gaz. vol. 135; p. 1687.
- Howey, A. M., and J. B. Clark, Eastbank, W. Va. Cattle-guard. No. 906,882; Dec. 15; Sp. p. 3417; Gaz. vol. 137; p. 1609.
- Howey, A. J., Harbor Beach, Mich. Hinge. No. 908,100; Dec. 29; Sp. p. 5925; Gaz. vol. 137; p. 2075.
- Howland, A. G., Christchurch, New Zealand. Window-fastener. No. 897,623; Sept. 1; Sp. p. 784; Dr. p. 165; Gaz. vol. 136; p. 124.
- Howland, D. W. (See Reynolds and Seaman, assignors.)
- Howland, D. W., Brookline, Mass., assignor to United States Fireless Cooker Company, Sanford, Me. Cooking apparatus. No. 885,051; Apr. 21; Sp. p. 2830; Dr. p. 599; Gaz. vol. 133; p. 1702.
- Howland, J. A., Sea Bright, and W. H. De Nyse, Long Branch, N. J. Sea-groin. No. 897,369; Sept. 1; Sp. p. 262; Dr. p. 54; Gaz. vol. 136; p. 39.
- Howland, J. A., Sea Bright, and W. H. De Nyse, Long Branch, N. J. Bulkhead and jetty construction. No. 897,370; Sept. 1; Sp. p. 263; Dr. p. 54; Gaz. vol. 136; p. 40.
- Howland Metallic Cap Company. (See Converse, M. D., assignor.)
- Howland, T. C., Long Branch, N. J. Adjustable shade-support. No. 892,259; June 30; Sp. p. 6223; Dr. p. 1341; Gaz. vol. 134; p. 2182.
- Howlett, A. E., Detroit, Mich. Folding table. No. 882,064; Mar. 17; Sp. p. 3178; Dr. p. 676; Gaz. vol. 133; p. 578.
- Howson, H., assignor to J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 901,902; Oct. 20; Sp. p. 3827; Dr. p. 779; Gaz. vol. 136; p. 1734.
- Howson, H., assignor to J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 901,903; Oct. 20; Sp. p. 3830; Dr. pp. 779-80; Gaz. vol. 136; p. 1735.
- Howson, H., assignor to J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 902,405; Oct. 27; Sp. p. 4877; Dr. p. 987; Gaz. vol. 136; p. 1927.
- Howze, W. L., *et al.* (See York, E. J., assignor.)
- Hoxie Company. (See Hoxie, G. H., assignor.)
- Hoxie, G. H., Chicago, Ill., assignor to Hoxie Company. Projectile. No. 896,021; Aug. 11; Sp. p. 2495; Dr. p. 537; Gaz. vol. 135; p. 1327.
- Hoxie, G. L., Florence, Ala., assignor to Gifford Automatic Safety Pin Co., Adrian, Mich. Machine for making safety-pins. No. 887,640; May 12; Sp. p. 2657; Dr. pp. 560-1; Gaz. vol. 134; p. 458.
- Hoxie, K. C., Duluth, Minn. Reversing device for engine-valves and other uses. No. 882,887; Mar. 24; Sp. p. 4771; Dr. p. 1015; Gaz. vol. 133; p. 878.
- Hoxie, K. C., Duluth, Minn. Furnace-wall. No. 886,370; May 5; Sp. p. 54; Dr. pp. 11-12; Gaz. vol. 134; p. 14.
- Hoxie, V., Adrian, Mich. Staple forming and discharging mechanism. No. 879,965; Feb. 25; Sp. p. 4300; Dr. pp. 899-900; Gaz. vol. 132; p. 1633.
- Hoyer, A. W., Minneapolis, Minn., assignor to one-half to P. J. Hoyer, Centerville, S. D. Stovepipe-locking device. No. 891,480; June 23; Sp. p. 4658; Dr. p. 1009; Gaz. vol. 134; p. 1894.
- Hoyer, P. J. (See Hoyer, A. W., assignor.)
- Hoyt, A. H., Penacook, N. H., assignor to Whitney Electrical Instrument Company. Electrical measuring instrument. No. 879,385; Feb. 18; Sp. p. 3050; Dr. p. 635; Gaz. vol. 132; p. 1409.
- Hoyt, E. R. (See Allen, G. F., assignor.)
- Hoyt, F. W., *et al.* (See Nielson, I., assignor.)
- Hoyt, G. A., Cleveland, Ohio, assignor to American Steel & Wire Company, Chicago, Ill. Wire-drawing apparatus. No. 891,070; June 16; Sp. p. 3819; Dr. pp. 833-4; Gaz. vol. 134; p. 1728.
- Hoyt, J. S., Banister, Mich. Potato-harvester. No. 880,533; Mar. 3; Sp. p. 74; Dr. p. 13; Gaz. vol. 133; p. 16.
- Hoyt, L. M., Hillsboro, Oreg. Repair-tip for umbrellas. No. 880,534; Mar. 3; Sp. p. 75; Dr. p. 18; Gaz. vol. 133; p. 17.
- Hoyt, L. M., Hillsboro, Oreg. Rimless-eyeglass mounting. No. 895,566; Aug. 11; Sp. p. 1586; Dr. p. 335; Gaz. vol. 135; p. 1180.
- Hoyt, W. H., Wyoming, N. J. Making sound-records. No. 897,254; Aug. 25; Sp. p. 5097; Dr. p. 1063; Gaz. vol. 135; p. 1777.
- Hrdliczka-Csiszar, F., Vienna, Austria-Hungary. Support for flash-light lamps or the like. No. 885,251; Apr. 21; Sp. p. 3265; Dr. p. 681; Gaz. vol. 133; p. 1768.
- Hruby, T. J. (See Kadiera, J., assignor.)
- Hruby, T. J., Chicago, Ill. Roller-skate. No. 882,782; Mar. 24; Sp. p. 4542; Dr. p. 969; Gaz. vol. 133; p. 843.
- Hubbard, A. O., Minneapolis, Minn. Wheelbarrow. No. 890,359; June 9; Sp. p. 264; Dr. p. 521; Gaz. vol. 134; p. 1463.
- Hubbard, A. O., Minneapolis, Minn. Box. No. 906,231; Dec. 8; Sp. p. 2199; Gaz. vol. 137; p. 1376.
- Hubbard, A. S., Greenwich, Conn., assignor to Gould Storage Battery Company. System of electrical distribution. No. 885,754; Apr. 28; Sp. p. 4233; Dr. p. 899; Gaz. vol. 133; p. 1957.
- Hubbard, A. S., Belleville, N. J., assignor to Gould Storage Battery Company. System of electrical distribution. No. 885,755; Apr. 23; Sp. p. 4296; Dr. pp. 899-900; Gaz. vol. 133; p. 1958.
- Hubbard, A. S., Belleville, N. J., assignor to Gould Storage Battery Company. System of electrical distribution. No. 886,371; May 5; Sp. p. 55; Dr. p. 12; Gaz. vol. 134; p. 14.
- Hubbard, A. S., Greenwich, Conn., assignor to Gould Storage Battery Company. Electrical system of distribution. No. 886,372; May 5; Sp. p. 58; Dr. p. 12; Gaz. vol. 134; p. 14.
- Hubbard, A. S., Belleville, N. J., assignor to Gould Storage Battery Company. Electrical system of distribution. No. 899,535; Sept. 29; Sp. p. 4521; Dr. p. 971; Gaz. vol. 136; p. 868.
- Hubbard F. W., assignor to Reed Manufacturing Company, Erie, Pa. Vise. No. 903,137; Nov. 3; Sp. p. 1200; Gaz. vol. 137; p. 196.
- Hubbard, H. W., Middletown, Conn. Oil-can. No. 881,241; Mar. 10; Sp. p. 1498; Dr. p. 322; Gaz. vol. 133; p. 283.
- Hubbard, M. G., Chatham, N. J., assignor to Mechanical Utilities Company, New York, N. Y. Centrifugal fan or pump. No. 902,533; Oct. 27; Sp. p. 5193; Dr. pp. 1049-50; Gaz. vol. 136; p. 1972.
- Hubbard, R. W., Ashtabula, Ohio. Window-stop. No. 902,967; Nov. 3; Sp. p. 869; Gaz. vol. 137; p. 145.
- Hubbard, S. P. (See White, W., assignor.)
- Hubbard, W. F., Bakersfield, Cal. Tire-remover. No. 903,820; Nov. 10; Sp. p. 2575; Gaz. vol. 137; p. 450.
- Hubbard, W. S., Leicester, England. Supply and control of air for boiler and other furnaces. No. 883,885; Apr. 7; Sp. p. 436; Dr. p. 86; Gaz. vol. 133; p. 1261.
- Hubbard, W. S., Leicester, England. Apparatus for automatic and continuous gas analysis. No. 896,544; Aug. 18; Sp. p. 3523; Dr. pp. 756-7; Gaz. vol. 135; p. 1518.
- Hubbard, W. S., Leicester, England. Apparatus for the analysis of gas mixtures. No. 897,900; Sept. 8; Sp. p. 1354; Dr. p. 290; Gaz. vol. 136; p. 245.
- Hubbard, W. W., Philadelphia, Pa. Shedding mechanism. No. 883,541; Mar. 31; Sp. p. 6121; Dr. p. 1302; Gaz. vol. 133; p. 1122.
- Hubbarts, L. W., *et al.* (See Morgan, Hubbard, and Wirts.)
- Hubbell, H., Bridgeport, Conn. Socket-shell. No. 876,552; Jan. 14; Sp. p. 1762; Dr. p. 383; Gaz. vol. 132; p. 319.
- Hubbell, H., Bridgeport, Conn. Key-socket. No. 878,633; Feb. 11; Sp. p. 1599; Dr. p. 326; Gaz. vol. 132; p. 1127.
- Hubbell, H., Bridgeport, Conn. Socket-shell-cap fastening. No. 878,634; Feb. 11; Sp. p. 1601; Dr. p. 327; Gaz. vol. 132; p. 1128.
- Hubbell, H., Bridgeport, Conn. Fixed-polarity separable attachment-plug. No. 890,770; June 16; Sp. p. 3218; Dr. p. 703; Gaz. vol. 134; p. 1631.
- Hubbell, H., Bridgeport, Conn. Means for locking electric sockets to fixtures. No. 900,854; Oct. 13; Sp. p. 1668; Dr. p. 337; Gaz. vol. 136; p. 1357.
- Hubbell, H., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Electric socket-switch. No. 892,375; June 30; Sp. p. 6441; Dr. p. 1390; Gaz. vol. 134; p. 2220.

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- Hubbell, H. C., Orange, assignor to Portable Electric Safety Light Company, Newark, N. J. Reversible galvanic battery. No. 897,833; Oct. 3; Sp. p. 1206; Dr. p. 257; Gaz. vol. 136; p. 192.
- Hubbell, H. S., Chicago, Ill. Cord-fastener for shades and the like. No. 902,082; Oct. 27; Sp. p. 4211; Dr. p. 853; Gaz. vol. 136; p. 1822.
- Hubbell, O., Petaluma, Cal. Attachment for hand-rakes. No. 882,467; Mar. 17; Sp. p. 3919; Dr. p. 838; Gaz. vol. 133; p. 708.
- Hubbell, W., and A. J. Annis, Siloam Springs, Ark. Railway-tie. No. 904,331; Nov. 17; Sp. p. 3696; Gaz. vol. 137; p. 657.
- Huber, A., Mannheim, Germany, assignor to J. Schneiderwind, Omaha, Nebr. Non-refillable bottle. No. 881,801; Mar. 10; Sp. p. 2594; Dr. p. 557; Gaz. vol. 133; p. 462.
- Huber, A., assignor of one-third to A. M. Jacobs, Hartford, Conn. Lock. No. 884,586; Apr. 14; Sp. p. 1852; Dr. p. 398; Gaz. vol. 133; p. 1519.
- Huber, A., and E. A. Houchin, Brooklyn, N. Y. Soap chiller and drier. No. 898,111; Sept. 8; Sp. p. 1796; Dr. pp. 381-2; Gaz. vol. 136; p. 314.
- Huber, B., Taunton, Mass. Mechanical movement. No. 892,376; June 30; Sp. p. 6444; Dr. pp. 1390-1; Gaz. vol. 134; p. 2220.
- Huber, C. L. (See Lauber, R., assignor.)
- Huber, E., Ingalls, Ind. Butter-mold. No. 893,501; July 14; Sp. p. 2265; Dr. p. 475; Gaz. vol. 135; p. 397.
- Huber, G. A., Waverly, Va. Combined hulling and cleaning device. No. 899,301; Sept. 22; Sp. p. 4077; Dr. p. 871; Gaz. vol. 136; p. 757.
- Huber, G. M. (See Hall, E. E., assignor.)
- Huber, H. A., Winnipeg, Manitoba, Canada. Combined street sweeper and cleaner. No. 892,260; June 30; Sp. p. 6224; Dr. p. 1341; Gaz. vol. 134; p. 2182.
- Huber-Hodgman Printing Press Company. (See Hodgman, W. K., assignor.)
- Huber, J. F., Elida, Ohio. Ventilator. No. 885,479; Apr. 21; Sp. p. 3709; Dr. p. 779; Gaz. vol. 133; p. 1842.
- Huber N., et al. (See Squires, A. C., assignor.)
- Huber, R., North Plainfield, N. J. Bicycle. No. 891,071; June 16; Sp. p. 3820; Dr. p. 834; Gaz. vol. 134; p. 1728.
- Huber, T. (See Peugeot, Huber, and Lostalot.)
- Huber, W. E., Carlos, Ind. Wire-splicer. No. 902,406; Oct. 27; Sp. p. 4879; Dr. p. 987; Gaz. vol. 136; p. 1928.
- Hubert, C. (See Coleman, C. J., assignor.)
- Hubert, C., New York, N. Y. Closure for vessels. No. 891,696; June 23; Sp. p. 5113; Dr. p. 1103; Gaz. vol. 134; p. 1966.
- Hubert, J., Reno, Nev. Dry ore-concentrator. No. 880,995; Mar. 3; Sp. p. 1014; Dr. p. 218; Gaz. vol. 133; p. 173.
- Hubert, P. G., Los Angeles, Cal. Extension-room. No. 877,196; Jan. 21; Sp. p. 3121; Dr. p. 676; Gaz. vol. 132; p. 574.
- Hubert, P. G., Los Angeles, Cal. Extensible chamber. No. 882,760; Mar. 24; Sp. p. 4510; Dr. p. 962; Gaz. vol. 133; p. 837.
- Hubert, T., assignor to C. F. Splittord, New York, N. Y. Distributing-arm for high-tension magnetos. No. 906,026; Dec. 8; Sp. p. 1796; Gaz. vol. 137; p. 1308.
- Hüberty, P., Le Sueur, Minn. Device for culling and discharging apples, potatoes, &c. No. 876,805; Jan. 14; Sp. p. 2261; Dr. p. 498; Gaz. vol. 132; p. 402.
- Hübner, R., New York, N. Y. Desulfurizing-furnace. No. 899,403; Sept. 22; Sp. p. 4255; Dr. p. 913; Gaz. vol. 136; p. 789.
- Hübner, R., New York, N. Y. Desulfurizing ores. No. 906,883; Dec. 15; Sp. p. 3418; Gaz. vol. 137; p. 1009.
- Huckins, J. M. (See Dungan and Huckins.)
- Huddle, J. H., East Radford, Va. Lever adjustment for wagon-brakes. No. 907,053; Dec. 15; Sp. p. 3718; Gaz. vol. 137; p. 1662.
- Huddleston, H. P., Bisbee, Ariz. Ter. Wagon-tongue support. No. 894,324; July 28; Sp. p. 4083; Dr. p. 845; Gaz. vol. 135; p. 719.
- Huddleston, R. H., Miami, Fla. Supporter and protector. No. 903,472; Nov. 10; Sp. p. 1874; Gaz. vol. 137; p. 338.
- Hudson, A. H., Salt Lake City, Utah. Revolver-holster. No. 902,083; Oct. 27; Sp. p. 4212; Dr. p. 853; Gaz. vol. 136; p. 1823.
- Hudson, B. F., Saugus, Mass. Steam coupling-head. No. 878,001; Feb. 4; Sp. p. 209; Dr. p. 46; Gaz. vol. 132; p. 854.
- Hudson, E., assignor of one-half to J. H. Pittman, Camp Point, Ill. Metallic tie. No. 898,652; Sept. 15; Sp. p. 2849; Dr. p. 609; Gaz. vol. 136; p. 519.
- Hudson, E. A., Oquawka, Ill. Kitchen device. No. 881,077; Mar. 3; Sp. p. 1169; Dr. p. 252; Gaz. vol. 133; p. 199.
- Hudson, E. A., Oquawka, Ill. Skillet. No. 905,318; Dec. 1; Sp. p. 364; Gaz. vol. 137; p. 1047.
- Hudson, J. A. (See Shedlock, A., assignor.)
- Hudson, L. E., Ellensburg, N. Y. Cabinet. No. 886,000; Apr. 28; Sp. p. 4814; Dr. p. 1011; Gaz. vol. 133; p. 2041.
- Hudson, P. A., New York, N. Y. Belt-fastener. No. 886,215; Apr. 28; Sp. p. 5219; Dr. p. 1099; Gaz. vol. 133; p. 2109.
- Hudson, S. G., assignor of one-half to E. F. Bender, Muncie, Ind. Farm-gate. No. 905,430; Dec. 1; Sp. p. 645; Gaz. vol. 137; p. 1087.
- Huebner, E., and H. Kloss, New York, N. Y. Camp-stool. No. 882,468; Mar. 17; Sp. p. 3919; Dr. p. 838; Gaz. vol. 133; p. 708.
- Huebner, J., Hammond, Ind., assignor to Hans Kraut Manufacturing Company, Chicago, Ill. Washing-machine. No. 889,930; June 9; Sp. p. 1456; Dr. p. 329; Gaz. vol. 134; p. 1320.
- Huebner, J. W., Brillion, Wis. Hall, convention, and camp-meeting settee. No. 897,371; Sept. 1; Sp. p. 265; Dr. p. 54; Gaz. vol. 136; p. 40.
- Huebner, W. C., assignor of one-half to G. Bleistein, Buffalo, N. Y. Apparatus for producing printing-surfaces. No. 902,584; Nov. 3; Sp. p. 111; Gaz. vol. 137; p. 18.
- Huebner, W. C., assignor of one-half to G. Bleistein, Buffalo, N. Y. Machine for coating plates or stones. No. 907,365; Dec. 22; Sp. p. 4368; Gaz. vol. 137; p. 1803.
- Huebschwerlen, F., and J. F. Romig, Estevan, Saskatchewan, Canada. Railway-tie and rail-joint means therefor. No. 882,319; Mar. 17; Sp. p. 3665; Dr. p. 778; Gaz. vol. 133; p. 660.
- Hueg, H., New York, N. Y. Dough-shaping machine. No. 875,930; Jan. 7; Sp. p. 465; Dr. p. 100; Gaz. vol. 132; p. 84.
- Huening, W. T., Chicago, Ill. Form for setting up and holding sectional blocks. No. 886,373; May 5; Sp. p. 60; Dr. p. 13; Gaz. vol. 134; p. 15.
- Hufeland, P., assignor to S. R. Halley, New York, N. Y. Book-holder. No. 907,239; Dec. 22; Sp. p. 4128; Gaz. vol. 137; p. 1760.
- Huff, C., E. B. White, and J. T. Carter, Baltimore, Md. Type-mold. No. 891,620; June 23; Sp. p. 4942; Dr. p. 1064; Gaz. vol. 134; p. 1939.
- Huff, E. B., et al. (See Guilfoyle, J. D., assignor.)
- Huff, E. S., assignor to H. Ford, Detroit, Mich. Electrical igniting apparatus. No. 882,003; Mar. 17; Sp. p. 3054; Dr. p. 650; Gaz. vol. 133; p. 558.
- Huff Electrostatic Separator Company. (See Wentworth, H. A., assignor.)
- Huff, J. A., Memphis, Tenn. Animal-weaner. No. 879,172; Feb. 18; Sp. p. 2644; Dr. p. 551; Gaz. vol. 132; p. 1341.
- Huff, N., Jackson township, Wells County, Ind. Grain-separator. No. 885,620; Apr. 21; Sp. p. 4002; Dr. p. 836; Gaz. vol. 133; p. 1884.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Electric ignition apparatus. No. 881,862; Mar. 10; Sp. p. 2730; Dr. p. 585; Gaz. vol. 133; p. 433.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 887,094; May 12; Sp. p. 1512; Dr. p. 320; Gaz. vol. 134; p. 278.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 890,654; June 16; Sp. p. 2960; Dr. p. 648; Gaz. vol. 134; p. 1592.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Valve-operating mechanism for hydrocarbon-engines. No. 891,340; June 23; Sp. p. 4371; Dr. p. 952; Gaz. vol. 134; p. 1848.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Radiator-fan for motor-vehicles. No. 891,697; June 23; Sp. p. 5117; Dr. p. 1103; Gaz. vol. 134; p. 1966.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Transmission-gear for motor-vehicles. No. 891,934; June 30; Sp. p. 5597; Dr. p. 1206; Gaz. vol. 134; p. 2077.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 893,502; July 14; Sp. p. 2266; Dr. p. 476; Gaz. vol. 135; p. 397.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Starting device for hydrocarbon-engines. No. 896,112; Aug. 18; Sp. p. 2660; Dr. p. 574; Gaz. vol. 135; p. 1378.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Drain-cock for motor-vehicle cases. No. 903,979; Nov. 17; Sp. p. 2933; Gaz. vol. 137; p. 535.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Oil-pump. No. 904,434; Nov. 17; Sp. p. 3885; Gaz. vol. 137; p. 690.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Speed-governing device for motor-vehicles. No. 906,884; Dec. 15; Sp. p. 3420; Gaz. vol. 137; p. 1009.
- Huff, W. A., Newark, N. J. Journal-box. No. 900,543; Oct. 6; Sp. p. 1014; Dr. pp. 205-6; Gaz. vol. 136; p. 1228.
- Huff, W. C. (See Thompson, A. O., assignor.)
- Hufaker, W. S., Kipton, Ohio. Corn-cutter. No. 897,901; Sept. 8; Sp. p. 1358; Dr. p. 291; Gaz. vol. 136; p. 246.
- Huffard, J. B., Ferris, W. Va., assignor to Electro Metallurgical Company, Chicago, Ill. No. 882,637; Mar. 24; Sp. p. 4268; Dr. p. 904; Gaz. vol. 133; p. 798.
- Huffman, A. O., Norman, Okla. Fence. No. 896,113; Aug. 18; Sp. p. 2662; Dr. pp. 574-5; Gaz. vol. 135; p. 1378.
- Huffman, J., Omaha, Nebr. Fastening device for wagon end-gates and the like. No. 889,688; June 2; Sp. p. 984; Dr. p. 227; Gaz. vol. 134; p. 1217.
- Huffman, J. F., Memphis, Tenn. Nut-lock. No. 892,834; July 7; Sp. p. 880; Dr. p. 188; Gaz. vol. 135; p. 149.
- Huffman, J. G., Decatur, Ill. Vending-machine. No. 883,886; Apr. 7; Sp. p. 437; Dr. pp. 86-7; Gaz. vol. 133; p. 1261.

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- Huffman, O. L., Erie, Kans. Windmill-gear. No. 900,544; Oct. 6; Sp. p. 1016; Dr. pp. 206-7; Gaz. vol. 136; p. 1228.
- Huffman, W. H., Beaver Falls, Pa. Rail-brace. No. 899,302; Sept. 22; Sp. p. 4079; Dr. p. 872; Gaz. vol. 136; p. 757.
- Huffman, W. P., and D. L. Fry, Hickory, N. C. Fire-escape. No. 899,984; Sept. 29; Sp. p. 5476; Dr. p. 1166; Gaz. vol. 136; p. 1014.
- Huffmaster, C. A., San Leandro, Cal. Pipe-coupling. No. 879,550; Feb. 18; Sp. p. 3414; Dr. p. 715; Gaz. vol. 132; p. 1464.
- Huford, J. H., Muncie, Ind. Fence-post. No. 894,794; July 28; Sp. p. 4996; Dr. p. 1043; Gaz. vol. 135; p. 872.
- Hufschmidt, M. S., San Francisco, Cal. Antiseptic mouthpiece for telephones, speaking-tubes, &c. No. 900,372; Oct. 6; Sp. p. 636; Dr. p. 131; Gaz. vol. 136; p. 1172.
- Hug, R. (See Bartels, A., assignor.)
- Hugendubel, A., assignor to Firm of C. Feuerlein, Stuttgart-Feuerbach, Germany. Decolorizing tannin extracts. No. 904,483; Nov. 17; Sp. p. 3986; Gaz. vol. 137; p. 707.
- Huggins, F. E., Zeandale, Kans. Window shade and curtain fixture. No. 891,421; June 23; Sp. p. 4540; Dr. p. 987; Gaz. vol. 134; p. 1875.
- Huggins, G. A. (See Buckley and Huggins.)
- Hugh Muir Company. (See Miller, G. D., assignor.)
- Hughes, A. D., Laketon, Ind. Miter-box. No. 875,819; Jan. 7; Sp. p. 268; Dr. p. 58; Gaz. vol. 132; p. 50.
- Hughes, A. T., London, England. Protector and non-skidding band for pneumatic tires of wheels. No. 904,435; Nov. 17; Sp. p. 3887; Gaz. vol. 137; p. 691.
- Hughes, B., Montreal, and H. N. Young, Rockfield, Quebec, Canada. Electric switch. No. 885,345; Apr. 21; Sp. p. 3464; Dr. p. 722; Gaz. vol. 133; p. 1800.
- Hughes, B. F., and F. A. Pfeifer, Springfield, Ohio; said Pfeifer assignor to said Hughes. Door-fastener. No. 888,614; May 26; Sp. p. 4596; Dr. p. 975; Gaz. vol. 134; p. 839.
- Hughes, C., St. Louis, Mo. Music-leaf turner. No. 888,897; May 26; Sp. p. 5209; Dr. p. 1105; Gaz. vol. 134; p. 932.
- Hughes, C. C., Philadelphia, Pa. Arc-lamp. No. 903,861; Nov. 17; Sp. p. 2669; Gaz. vol. 137; p. 496.
- Hughes, C. M. C., and T. H. Quinlan, London, and R. Middleton, Leeds, assignors to Cork Asphalt Limited, London, England. Machine for making blocks, plates, &c., from plastic materials. No. 901,296; Oct. 13; Sp. p. 2536; Dr. pp. 520-1; Gaz. vol. 136; p. 1498.
- Hughes, G. M., assignor to T. C. Prouty Company, Albion, Mich. Hasp-fastener. No. 888,012; May 19; Sp. p. 3402; Dr. p. 715; Gaz. vol. 134; p. 611.
- Hughes, G. W. (See Kirkland, C. M., assignor.)
- Hughes, H. E., Central Falls, R. I. Bobbin and spindle connector. No. 886,297; Apr. 28; Sp. p. 5381; Dr. p. 1130; Gaz. vol. 133; p. 2198.
- Hughes, H. S., Union City, Tenn. Mandrel for dental engines. No. 881,691; Mar. 10; Sp. p. 2376; Dr. pp. 514-15; Gaz. vol. 133; p. 427.
- Hughes, J., Hartford, Conn. Pipe-wrench. No. 876,716; Jan. 14; Sp. p. 2116; Dr. p. 464; Gaz. vol. 132; p. 375.
- Hughes, J. B., Tyndall, S. D. Attachment for binders and the like. No. 904,130; Nov. 17; Sp. p. 3241; Gaz. vol. 137; p. 587.
- Hughes, J. E., Minneapolis, Kans. Automatic class-call. No. 887,807; May 19; Sp. p. 2999; Dr. p. 630; Gaz. vol. 134; p. 544.
- Hughes, J. F., New York, N. Y. Game apparatus. No. 884,277; Apr. 7; Sp. p. 1238; Dr. p. 260; Gaz. vol. 133; p. 1389.
- Hughes, J. J., Rye, N. Y. Package-tie. No. 894,652; July 28; Sp. p. 4734; Dr. p. 983; Gaz. vol. 135; p. 826.
- Hughes, J. L., and T. F. Ely, West Findlay township, Washington county, Pa. Operating mechanism for geographical globes. No. 895,020; Aug. 4; Sp. p. 504; Dr. p. 101; Gaz. vol. 135; p. 976.
- Hughes, L. L., and R. G. Browning, Mercer, Mo.; said Browning assignor to said Hughes. Feeding-trough. No. 879,173; Feb. 18; Sp. p. 2645; Dr. p. 551; Gaz. vol. 132; p. 1341.
- Hughes Manufacturing Company. (See Hughes, N., assignor.)
- Hughes, N., Portland, Ore. Buckle. No. 903,723; Nov. 10; Sp. p. 2374; Gaz. vol. 137; p. 417.
- Hughes, N., assignor to Hughes Manufacturing Company, Portland, Ore. Shoe for rakes. No. 885,252; Apr. 21; Sp. p. 3267; Dr. p. 681; Gaz. vol. 133; p. 1769.
- Hughes, N., assignor to Hughes Manufacturing Company, Portland, Ore. Guarded knife. No. 893,588; July 14; Sp. p. 2460; Dr. p. 512; Gaz. vol. 135; p. 425.
- Hughes, N., assignor to Hughes Manufacturing Company, Portland, Ore. Draw-gage and cutter. No. 896,385; Aug. 18; Sp. p. 3198; Dr. p. 685; Gaz. vol. 135; p. 1465.
- Hughes, R. (See Earling, Parker, and Hughes.)
- Hughes, T. C., Kansas City, Mo. Mixing-machine. No. 876,356; Jan. 14; Sp. p. 1327; Dr. p. 288; Gaz. vol. 132; p. 252.
- Hughes, T. L. (See Draper and Hughes.)
- Hughes, W., Beaver Meadows, Pa. Air-sander. No. 892,426; July 7; Sp. p. 66; Dr. pp. 15-16; Gaz. vol. 135; p. 15.
- Hughes, W. B., Cleveland, Ohio. Gas-producer. No. 892,427; July 7; Sp. p. 67; Dr. p. 16; Gaz. vol. 135; p. 15.
- Hughes, W. B., Cleveland, Ohio. Gas-producer. No. 894,146; July 21; Sp. p. 3682; Dr. p. 764; Gaz. vol. 135; p. 640.
- Hughes, W. B., Cleveland, Ohio. Gas-producer. No. 899,050; Sept. 22; Sp. p. 3569; Dr. p. 764; Gaz. vol. 136; p. 674.
- Hughes, W. B., Cleveland, Ohio. Feeding mechanism for gas-producers. No. 904,873; Nov. 24; Sp. p. 4840; Gaz. vol. 137; p. 864.
- Hughes, W. B., assignor to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Gas-producer. No. 899,867; Sept. 29; Sp. p. 5234; Dr. p. 1119; Gaz. vol. 136; p. 978.
- Hughes, W. E. (See Kochenderfer, J. H., assignor.)
- Hugo, C. V., St. Louis, Mo. Cord-fastener. No. 877,428; Jan. 21; Sp. p. 3570; Dr. p. 772; Gaz. vol. 132; p. 650.
- Huguenin, G., Zurich, Switzerland. Condensing apparatus for steam-turbines. No. 906,232; Dec. 8; Sp. p. 2201; Gaz. vol. 137; p. 1376.
- Huguet, G. P., Ottawa, Ontario, Canada. Holder for corn and the like. No. 886,510; May 5; Sp. p. 334; Dr. p. 69; Gaz. vol. 134; p. 61.
- Huhn, G., Berlin, Germany. Hollow packing-ring for stuffing-boxes. No. 899,985; Sept. 29; Sp. p. 5477; Dr. p. 1166; Gaz. vol. 136; p. 1015.
- Huhn, J. H., Fairmont, assignor of one-half to J. R. Steel, Barrackville, W. Va. Rock-drill. No. 904,436; Nov. 17; Sp. p. 3888; Gaz. vol. 137; p. 691.
- Huhsman, A. W., Staunton, Ill. Trolley. No. 877,844; Jan. 28; Sp. p. 4381; Dr. p. 953; Gaz. vol. 132; p. 804.
- Huhta, J., and F. Laurell, De Kalb, Ill. Wire-working tool. No. 884,821; Apr. 14; Sp. p. 2369; Dr. p. 498; Gaz. vol. 133; p. 1599.
- Huillard, A. (See Mourgéon, L., assignor.)
- Huitt, R., St. Louis, Mo. Combined shade-adjuster and sash-operator. No. 886,216; Apr. 28; Sp. p. 5219; Dr. p. 1099; Gaz. vol. 133; p. 2109.
- Huizenga, J., Rock Valley, Iowa. Protectograph. No. 896,639; Aug. 18; Sp. p. 3686; Dr. pp. 701-2; Gaz. vol. 135; p. 1547.
- Hukill, W. S. (See Carner and Hukill.)
- Hukle, O. R., Lexington, Ky. Carburetor and mixer. No. 904,960; Nov. 24; Sp. p. 5002; Gaz. vol. 137; p. 893.
- Hulbert, E. F., South Norwalk, Conn. Hasp-fastener. No. 906,528; Dec. 15; Sp. p. 2746; Gaz. vol. 137; p. 1498.
- Hulbert, J., Ashtabula, Ohio. Bag-holder. No. 895,759; Aug. 11; Sp. p. 1964; Dr. p. 416; Gaz. vol. 135; p. 1242.
- Hulburd, P., London, England. Apparatus for removing sediment from steam-boilers. No. 895,182; Aug. 4; Sp. p. 810; Dr. p. 169; Gaz. vol. 135; p. 1029.
- Hulburt, A. D., Wheeling, Mo. Windlass. No. 907,803; Dec. 29; Sp. p. 5309; Gaz. vol. 137; p. 1979.
- Hulet, F. P., assignor of one-half to A. L. Kanagy, Chicago, Ill. Folding box. No. 886,810; May 5; Sp. p. 976; Dr. p. 205; Gaz. vol. 134; p. 159.
- Hulfish, D. S., assignor to Baird Manufacturing Company, Chicago, Ill. Toll telephone system. No. 907,804; Dec. 29; Sp. p. 5310; Gaz. vol. 137; p. 1979.
- Hulin, J., Pittsburg, Pa. Shoe-fastener. No. 878,956; Feb. 11; Sp. p. 2205; Dr. p. 461; Gaz. vol. 132; p. 1230.
- Hulings, J., and S. B. Craig, Hastings, Mich. Fruit-pulping apparatus. No. 881,186; Mar. 10; Sp. p. 1378; Dr. p. 297; Gaz. vol. 133; p. 264.
- Hulings, M. H., Allegheny, Pa., assignor of one-half to W. H. Osborne, Richmond borough, New York, N. Y. Process and compound for treating mantles. No. 889,308; June 2; Sp. p. 230; Gaz. vol. 134; p. 1095.
- Hull, J. A., Topeka, Kans. Selective call apparatus. No. 896,832; Aug. 25; Sp. p. 4116; Dr. p. 883; Gaz. vol. 135; p. 1635.
- Hull, C. A., et al. (See Giffin, J. E., assignor.)
- Hull, E. F., Surveyor, W. Va. Mail-bag catching and delivering apparatus. No. 884,662; Apr. 14; Sp. p. 2052; Dr. pp. 438-9; Gaz. vol. 133; p. 1544.
- Hull, G. H., Cranston, R. I., assignor to Chadeloid Chemical Company, New York, N. Y. Composition of matter for the removal of paint, varnish, and the like. No. 897,862; Sept. 1; Sp. p. 1270; Gaz. vol. 136; p. 200.
- Hull, J. W., Sr., Zion City, Ill., assignor to Zion City Manufacturing Co. Fire-escape. No. 882,499; Mar. 17; Sp. p. 3970; Dr. p. 848; Gaz. vol. 133; p. 719.
- Hull, L. L., Forest Hill, N. J. Safety-belt. No. 895,021; Aug. 4; Sp. p. 506; Dr. p. 101; Gaz. vol. 135; p. 976.
- Hull, M. R., assignor to Rex Buggy Company, Connersville, Ind. Vehicle-body. No. 875,999; Jan. 7; Sp. p. 607; Dr. p. 130; Gaz. vol. 132; p. 106.
- Hull, R. C., Philadelphia, Pa. System of electrical distribution. No. 895,760; Aug. 11; Sp. p. 1965; Dr. p. 416; Gaz. vol. 135; p. 1243.
- Hull, W. S., Jackson, Miss. Propeller. No. 896,833; Aug. 25; Sp. p. 4121; Dr. p. 884; Gaz. vol. 135; p. 1635.
- Hullhorst, W. G., assignor to Toledo Cabinet Company, Toledo, Ohio. Bracket-table. No. 895,640; Aug. 11; Sp. p. 1722; Dr. p. 365; Gaz. vol. 135; p. 1203.

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- Hüllinghorst, F. J. D., London, England. Radiator or cooler for motor road-vehicles. No. 884,929; Apr. 14; Sp. p. 2579; Dr. p. 543; Gaz. vol. 133; p. 1630.
- Hullings, G. F., Washington, D. C. Drying and stretching frame for lace curtains. (Reissue.) No. 12,896; Dec. 15; Sp. p. 3844; Gaz. vol. 137; p. 1684.
- Hulls, F. B. (See Rasmussen, F., assignor.)
- Hulse, E. M., Columbus, Ohio. Table for manufacturing upholstery-pads. No. 882,685; Mar. 24; Sp. p. 4362; Dr. p. 929; Gaz. vol. 133; p. 814.
- Hulse, G. E., Jersey City, N. J., assignor to Safety Car Heating & Lighting Company. Mantle-support and globe-holder for incandescent lamps. No. 880,143; Feb. 25; Sp. p. 4648; Dr. p. 981; Gaz. vol. 132; p. 1690.
- Hulse, G. E., Newark, N. J., assignor to Safety Car Heating & Lighting Company. Fluid-pressure-regulating apparatus. No. 905,186; Dec. 1; Sp. p. 126; Gaz. vol. 137; p. 1004.
- Hulse, G. E., Newark, N. J., assignor to Safety Car Heating & Lighting Company. Fluid-pressure regulator. No. 905,187; Dec. 1; Sp. p. 128; Gaz. vol. 137; p. 1004.
- Hulse, G. E., Newark, N. J., assignor to Safety Car Heating & Lighting Company. Pressure-regulator. No. 905,188; Dec. 1; Sp. p. 130; Gaz. vol. 137; p. 1005.
- Hulsmann, F., New York, N. Y. Punching-bag apparatus. No. 885,927; Apr. 28; Sp. p. 4657; Dr. p. 981; Gaz. vol. 133; p. 2016.
- Hultberg, C., *et al.* (See Foldvik, H., assignor.)
- Hultman, I. (See Johanson and Hultman.)
- Human, O. M., Sherman, Tex. Envelop-stamping machine. No. 878,396; Feb. 4; Sp. p. 1006; Dr. pp. 203-4; Gaz. vol. 132; p. 1014.
- Human, R. B., Chickasha, Okla. Stalk-cutting attachment for vehicles. No. 887,641; May 12; Sp. p. 2662; Dr. p. 562; Gaz. vol. 134; p. 458.
- Human, R. B., Chickasha, Okla. Stalk-cutter attachment for plows. No. 896,545; Aug. 18; Sp. p. 3527; Dr. p. 758; Gaz. vol. 135; p. 1519.
- Humane Horseshoe Co. (See Gardner and Grosjean, assignors.)
- Humbard, S. (See Miller and Humbard.)
- Hume, A. G., Hobart, N. Y. Advertising novelty. No. 884,822; Apr. 14; Sp. p. 2370; Dr. p. 498; Gaz. vol. 133; p. 1599.
- Hume, J. P. (See Seymour, W. M., assignor.)
- Hume, J. P. (See Seymour, W. M., assignor.) (Reissue.)
- Hume, J. T. (See Snyder and Hume.)
- Humes, J. A., Parnassus, Pa. Curtain-pole. No. 908,264; Dec. 29; Sp. p. 6281; Gaz. vol. 137; p. 2131.
- Humiston, J. M., Berwyn, assignor to Steel Gain Manufacturing Company, Chicago, Ill. Support for cross-arms. No. 900,545; Oct. 6; Sp. p. 1019; Dr. p. 207; Gaz. vol. 136; p. 1229.
- Hummel, E. A., assignor to A. L. Haman, St. Paul, Minn. Attachment for clocks. No. 900,855; Oct. 13; Sp. p. 1669; Dr. p. 338; Gaz. vol. 136; p. 1357.
- Hummel, F., Newton, Iowa. Road-grader. No. 879,386; Feb. 18; Sp. p. 3053; Dr. pp. 635-6; Gaz. vol. 132; p. 1409.
- Hummel, G. F. (See Ritter, J. S., assignor.)
- Hummel, O., South Omaha, Nebr. Padlock. No. 885,253; Apr. 21; Sp. p. 3268; Dr. p. 682; Gaz. vol. 133; p. 1769.
- Hummer, G. P. (See Calhoun, J. C., assignor.)
- Humphert, G. A., Pittsfield, Ill. Mechanical movement. No. 883,024; Mar. 24; Sp. p. 5032; Dr. pp. 1071-2; Gaz. vol. 133; p. 924.
- Humphrey, A., *et al.* (See Humphrey, E. H., assignor.)
- Humphrey, A. H., New York, N. Y. Gas-lamp. No. 878,397; Feb. 4; Sp. p. 1012; Dr. pp. 204-5; Gaz. vol. 132; p. 1014.
- Humphrey, A. H., New York, N. Y. Gas-lamp. No. 878,398; Feb. 4; Sp. p. 1010; Dr. pp. 205-6; Gaz. vol. 132; p. 1015.
- Humphrey, A. H., New York, N. Y. Gas-lamp. No. 880,797; Mar. 3; Sp. p. 620; Dr. p. 131; Gaz. vol. 133; p. 107.
- Humphrey, A. H., New York, N. Y. Gas-lamp. No. 892,261; June 30; Sp. p. 6228; Dr. p. 1342; Gaz. vol. 134; p. 2183.
- Humphrey, B., Coal Run, Ohio. Regulator for water-heating systems. No. 893,503; July 14; Sp. p. 2267; Dr. p. 476; Gaz. vol. 135; p. 398.
- Humphrey Company. (See Humphrey, H. S., assignor.)
- Humphrey, E. H., Battle Creek, Mich., assignor to Lakewood Caster Co., and T. Jennings, Rochester, N. Y. Caster. No. 877,081; Jan. 21; Sp. p. 2868; Dr. p. 619; Gaz. vol. 132; p. 535.
- Humphrey, E. H., assignor to himself, A. Humphrey, and A. B. Kauffman, Lancaster, Pa. Drawers-supporter. No. 902,407; Oct. 27; Sp. p. 4880; Dr. p. 988; Gaz. vol. 136; p. 1928.
- Humphrey, E. H., Battle Creek, assignor of five-sixths to C. C. Blakely and D. W. Connors, Albion, Mich., and S. H. and G. S. Bodenheimer, New York, N. Y. Caster. No. 898,740; Sept. 15; Sp. p. 3009; Dr. p. 644; Gaz. vol. 136; p. 547.
- Humphrey, E. N., assignor to Traut & Hine Manufacturing Company, New Britain, Conn. Buckle. No. 878,288; Feb. 4; Sp. p. 811; Dr. p. 161; Gaz. vol. 132; p. 978.
- Humphrey, E. N., assignor to Traut & Hine Manufacturing Company, New Britain, Conn. Buckle. No. 880,216; Feb. 25; Sp. p. 4808; Dr. p. 1018; Gaz. vol. 132; p. 1715.
- Humphrey, E. N., assignor to Traut & Hine Manufacturing Company, New Britain, Conn. Garter. No. 908,006; Dec. 29; Sp. p. 5742; Gaz. vol. 137; p. 2044.
- Humphrey, E. R., Pittsburg, Pa., and W. B. Martin, Point Pleasant, W. Va. Metallic piston-packing. No. 899,303; Sept. 22; Sp. p. 4080; Dr. p. 872; Gaz. vol. 136; p. 757.
- Humphrey, F. J., Kalamazoo, Mich. Water-motor. No. 880,737; Mar. 3; Sp. p. 500; Dr. p. 104; Gaz. vol. 133; p. 86.
- Humphrey, H. B., assignor to Humphrey & Sons, Joliet, Ill. Wire-baking oven. No. 878,289; Feb. 4; Sp. p. 812; Dr. p. 162; Gaz. vol. 132; p. 979.
- Humphrey, H. B., assignor to Humphrey & Sons, Joliet, Ill. Wire-annealing furnace. No. 878,290; Feb. 4; Sp. p. 815; Dr. p. 162; Gaz. vol. 132; p. 979.
- Humphrey, H. B., assignor to Humphrey & Sons, Joliet, Ill. Wire-drawing-block. No. 905,077; Nov. 24; Sp. p. 5216; Gaz. vol. 137; p. 931.
- Humphrey, H. S., Kalamazoo, Mich. Valve for gas-burners. No. 888,237; May 19; Sp. p. 3812; Dr. p. 801; Gaz. vol. 134; p. 682.
- Humphrey, H. S., Kalamazoo, Mich. Combination gas and water valve. No. 890,057; June 9; Sp. p. 1734; Dr. p. 384; Gaz. vol. 134; p. 1365.
- Humphrey, H. S., Kalamazoo, Mich. Water-heater. No. 903,862; Nov. 17; Sp. p. 2671; Gaz. vol. 137; p. 496.
- Humphrey, H. S., Kalamazoo, Mich. Water-heater. No. 903,863; Nov. 17; Sp. p. 2677; Gaz. vol. 137; p. 496.
- Humphrey, H. S., assignor to Humphrey Company, Kalamazoo, Mich. Gas-burner for water-heaters. No. 907,240; Dec. 22; Sp. p. 4130; Gaz. vol. 137; p. 1760.
- Humphrey, J. D., Norfolk, and G. H. Atkins, Torrington, Conn. Lawn-sprinkler. No. 904,259; Nov. 17; Sp. p. 3533; Gaz. vol. 137; p. 632.
- Humphrey, J. H., Boston, Mass. Cuff-holder. No. 877,429; Jan. 21; Sp. p. 3571; Dr. p. 772; Gaz. vol. 132; p. 650.
- Humphrey & Sons. (See Humphrey, H. B., assignor.)
- Humphrey & Sons. (See Reece, J. H., assignor.)
- Humphreys, C. H., Torquay, and V. J. Scantlebury, Reading, England. Controlling mechanism for motor-vehicles. No. 891,072; June 16; Sp. p. 3821; Dr. p. 834; Gaz. vol. 134; p. 1729.
- Humphreys, C. W., *et al.* (See Dostal, J. F., assignor.)
- Humphreys, J. N., Dallas, Tex. Automatic filling-machine. No. 888,615; May 26; Sp. p. 4597; Dr. p. 975; Gaz. vol. 134; p. 840.
- Humphreys, J. T., Washington, D. C. Automatic stop for railway-trains. No. 891,258; June 23; Sp. p. 4193; Dr. p. 918; Gaz. vol. 134; p. 1821.
- Humphries, G. E., Wellington, New Zealand. Scaffolding. No. 898,368; Sept. 8; Sp. p. 2274; Dr. p. 483; Gaz. vol. 136; p. 394.
- Hundeby, O. (See Edman, J., assignor.)
- Hungerford, C., Philadelphia, Pa. Filter-valve. No. 902,232; Oct. 27; Sp. p. 4523; Dr. p. 916; Gaz. vol. 136; p. 1870.
- Hungerford, H. H., assignor to F. M. Peters, Chicago, Ill. Wafer-cutting machine. No. 892,428; July 7; Sp. p. 68; Dr. pp. 16-17; Gaz. vol. 135; p. 16.
- Hunnel, J. M., Colorado Springs, Colo. Metal railway-tie. No. 877,567; Jan. 28; Sp. p. 3869; Dr. p. 837; Gaz. vol. 132; p. 716.
- Hunneymann, G. W., Concord, N. H. Regulator for air-compressors. No. 907,054; Dec. 15; Sp. p. 3720; Gaz. vol. 137; p. 1663.
- Hunnicutt, G. F. (See Chapplear and Hunnicutt.)
- Hunold, E., Providence, R. I. Scissors and shears. No. 880,535; Mar. 3; Sp. p. 76; Dr. p. 18; Gaz. vol. 133; p. 17.
- Hunsaker, A. W., Pomona, Cal. Vertical-shaft centrifugal pump. No. 891,422; June 23; Sp. p. 4542; Dr. p. 987; Gaz. vol. 134; p. 1875.
- Hunsaker, J., *et al.* (See English, A. L., assignor.)
- Hunsaker, J. W., V. Beisswingert, and R. L. Davis, Anna, Ill. Mining apparatus. No. 882,148; Mar. 17; Sp. p. 3320; Dr. p. 707; Gaz. vol. 133; p. 604.
- Hunsalz, P. (See Stephan and Hunsalz.)
- Hunt, A. T., New York, N. Y. Jewel-holder. No. 881,802; Mar. 10; Sp. p. 2596; Dr. p. 558; Gaz. vol. 133; p. 463.
- Hunt, B. (See Hutchinson and Hunt.)
- Hunt, B., San Francisco, Cal. Continuous filter for cyaniding and the like. No. 877,197; Jan. 21; Sp. p. 3122; Dr. pp. 676-7; Gaz. vol. 132; p. 574.

Alphabetical list of patentees—Continued.

- Hunt, B., San Francisco, Cal. Continuous filter for cyaniding and the like. No. 882,202; Mar. 17; Sp. p. 3434; Dr. p. 730; Gaz. vol. 133; p. 621.
- Hunt, C. A., Jr., Lexington, N. C. Bottle-stopper. No. 905,431; Dec. 1; Sp. p. 648; Gaz. vol. 137; p. 1087.
- Hunt, C. W. (See Barnes and Hunt.)
- Hunt, C. W., New York, N. Y. Filling apparatus for conveyers. No. 891,698; June 23; Sp. p. 5118; Dr. p. 1104; Gaz. vol. 134; p. 1966.
- Hunt, C. W., New York, N. Y. Clam-shell bucket. No. 891,699; June 23; Sp. p. 5120; Dr. pp. 1104-5; Gaz. vol. 134; p. 1967.
- Hunt, D. F., Sodus, N. Y. Apple-parer. No. 896,729; Aug. 25; Sp. p. 3874; Dr. p. 838; Gaz. vol. 135; p. 1598.
- Hunt, D. F., Antrim, N. H., assignor to Hunt Manufacturing Company. Fruit-parer. No. 900,018; Sept. 29; Sp. p. 5550; Dr. pp. 1182-3; Gaz. vol. 136; p. 1026.
- Hunt, D. L., Astoria, S. D. Horse-detacher. No. 892,157; June 30; Sp. p. 6033; Dr. p. 1297; Gaz. vol. 134; p. 2148.
- Hunt, E. N. (See Dawson, R., assignor.)
- Hunt, F., trustee. (See Bryant, W. H., assignor.)
- Hunt, F., New York, N. Y. Derrick. No. 890,655; June 16; Sp. p. 2961; Dr. p. 649; Gaz. vol. 134; p. 1592.
- Hunt, F. T., *et al.* (See Taylor, J. T., assignor.)
- Hunt, G. W., and J. Kinney, Pocatello, Idaho. Fire-extinguishing apparatus. No. 879,966; Feb. 25; Sp. p. 4303; Dr. p. 900; Gaz. vol. 132; p. 1633.
- Hunt, G. W., and J. Kinney, Pocatello, Idaho. Means for automatically stopping trains. No. 891,341; June 23; Sp. p. 4373; Dr. p. 952; Gaz. vol. 134; p. 1848.
- Hunt, Helm, Ferris & Company. (See Ferris, H. L., assignor.)
- Hunt, Helm, Ferris & Company. (See Ferris, H. L. and H. J., assignors.)
- Hunt, J. W. (See Zane, J. L., assignor.)
- Hunt, M. E., Waterville, Me. Rolling-door hanger. No. 899,051; Sept. 22; Sp. p. 3570; Dr. p. 765; Gaz. vol. 136; p. 675.
- Hunt Manufacturing Company. (See Hunt, D. F., assignor.)
- Hunt, N. P. (See Drees, M. A., assignor.)
- Hunt, O. R., Racine, assignor to Simmons Mfg. Co., Kenosha, Wis. Wire fabric. No. 907,602; Dec. 22; Sp. p. 4864; Gaz. vol. 137; p. 1882.
- Hunt, R. D., Laporte, Ind. Shoe for motion-transmission chains. No. 887,396; May 12; Sp. p. 2190; Dr. p. 458; Gaz. vol. 134; p. 378.
- Hunt, R. H., Chelsea, N. Y. Railway safety apparatus. No. 880,996; Mar. 3; Sp. p. 1015; Dr. p. 219; Gaz. vol. 133; p. 173.
- Hunt, S. A., assignor to F. H. Meyer, Chicago, Ill. Chromatrope. No. 885,928; Apr. 28; Sp. p. 4659; Dr. p. 981; Gaz. vol. 133; p. 2016.
- Hunt, S. D., Youngstown, Ohio. Trolley. No. 890,058; June 9; Sp. p. 1737; Dr. pp. 384-5; Gaz. vol. 134; p. 1265.
- Hunt, W. E., assignor to Ottumwa Box Car Loader Company, Ottumwa, Iowa. Car-loader. No. 895,089; Aug. 4; Sp. p. 625; Dr. p. 130; Gaz. vol. 135; p. 998.
- Hunt, W. F., Lincoln, Nebr. Perpetual calendar. No. 903,192; Nov. 10; Sp. p. 1312; Gaz. vol. 137; p. 245.
- Hunter, A., administratrix. (See Hunter, H. C.)
- Hunter, O. F., *et al.* (See Farnell, F. C., assignor.)
- Hunter, D. E., Cambridge, assignor to Library Bureau, Boston, Mass. Metal tip for guide-cards. No. 905,319; Dec. 1; Sp. p. 365; Gaz. vol. 137; p. 1047.
- Hunter, E., Gonzales, Tex. Couch-bed. No. 905,702; Dec. 1; Sp. p. 1168; Gaz. vol. 137; p. 1173.
- Hunter, E., Trinidad, Colo. Automatic air-pipe coupling. No. 896,546; Aug. 18; Sp. p. 3528; Dr. p. 758; Gaz. vol. 135; p. 1519.
- Hunter, H. (See Elkins and Hunter.) (Reissue.)
- Hunter, H., assignor of two-fifths to A. L. Little Prescott, Ariz. Screen-door catch and lock. No. 879,174; Feb. 18; Sp. p. 2646; Dr. p. 552; Gaz. vol. 132; p. 1341.
- Hunter, H. C., deceased, Jersey City, N. J.; A. Hunter, administratrix. Compounding-machine for manufacturing paper or paste-board. No. 899,986; Sept. 29; Sp. p. 5478; Dr. pp. 1166-7; Gaz. vol. 136; p. 1015.
- Hunter, H. C., deceased, Jersey City, N. J.; A. Hunter, administratrix. Collapsible crate. No. 902,408; Oct. 27; Sp. p. 4881; Dr. p. 988; Gaz. vol. 136; p. 1928.
- Hunter, H. C., deceased, Jersey City, N. J.; A. Hunter, administratrix. Tube-heading machine. No. 906,885; Dec. 15; Sp. p. 3422; Gaz. vol. 137; p. 1610.
- Hunter, J. (See Vandegriff, J., assignor.)
- Hunter, J. E., Lexington, Ky. Safety attachment for horse-blankets, lap-ropes, &c. No. 886,511; May 5; Sp. p. 335; Dr. p. 69; Gaz. vol. 134; p. 62.
- Hunter, J. O. and W. L., Red Sulphur Springs, and W. A. Wykel, Hinton, W. Va. Physician's medicine-case. No. 900,373; Oct. 1; Sp. p. 637; Dr. pp. 131-2; Gaz. vol. 136; p. 1172.
- Hunter, J. R., *et al.* (See Lord, G. J., assignor.)
- Hunter, L. C. (See Blake and Hunter.)
- Hunter, L. J. (See Taylor, R. C., assignor.)
- Hunter, R., Atlanta, Ga. Registering device. No. 877,430; Jan. 21; Sp. p. 3573; Dr. pp. 772-3; Gaz. vol. 132; p. 650.
- Hunter, W. L. (See Hunter and Wykel.)
- Hunter, W. R., Kankakee, Ill. Telephone-directory. No. 890,908; June 16; Sp. p. 3481; Dr. p. 762; Gaz. vol. 134; p. 1674.
- Huntington, A. S. (See Huntington, C. S. and A. S.)
- Huntington, C. S. and A. S., assignors to A. T. Austin, Omaha, Nebr. Buckle. No. 908,101; Dec. 29; Sp. p. 5925; Gaz. vol. 137; p. 2075.
- Huntington, F. A., San Francisco, Cal. Crushing-mill. No. 879,175; Feb. 18; Sp. p. 2647; Dr. p. 552; Gaz. vol. 132; p. 1342.
- Huntington, L. B., Wyoming, Ohio. Hook for garments. No. 887,808; May 19; Sp. p. 3001; Dr. p. 630; Gaz. vol. 134; p. 544.
- Huntley & Palmers Limited. (See Palmer and Blackmore, assignors.)
- Huntoon, C. F., Chicago, Ill. Brake-beam. No. 895,269; Aug. 4; Sp. p. 1008; Dr. p. 211; Gaz. vol. 135; p. 1060.
- Huntoon, F. M., Riverside, Cal. Solar water-heater. No. 895,761; Aug. 11; Sp. p. 1969; Dr. p. 417; Gaz. vol. 135; p. 1243.
- Huntsberry, H. E., Cleveland, Ohio. Clam-shell bucket. No. 888,088; May 19; Sp. p. 3541; Dr. p. 740; Gaz. vol. 134; p. 834.
- Hunze, J. W., Cape Girardeau, Mo. Seeder attachment. No. 895,022; Aug. 4; Sp. p. 507; Dr. p. 102; Gaz. vol. 135; p. 976.
- Hupfel, A. G., New York, N. Y. Combined hop press and filter. No. 903,574; Nov. 10; Sp. p. 2084; Gaz. vol. 137; p. 372.
- Hupfeld, Aktiengesellschaft, L. (See Frömsdorf, R., assignor.)
- Hupfeld, L., Leipzig, Germany. Regulation of tone in mechanical musical instruments. No. 877,082; Jan. 21; Sp. p. 2870; Dr. p. 619; Gaz. vol. 132; p. 535.
- Hupp, A., Kansas City, Mo. Mail-pouch delivering and receiving apparatus. No. 903,473; Nov. 10; Sp. p. 1875; Gaz. vol. 137; p. 339.
- Hurd, E. R., Chicago, Ill. Nut-lock. No. 892,055; June 30; Sp. p. 5837; Dr. p. 1255; Gaz. vol. 134; p. 2115.
- Hurd, H. J., Bridgeport, Conn. Cartridge-sizing machine. No. 887,809; May 19; Sp. p. 3001; Dr. pp. 631-2; Gaz. vol. 134; p. 544.
- Hurd, H. J., Bridgeport, Conn. Cartridge-trimming machine. No. 904,784; Nov. 24; Sp. p. 4642; Gaz. vol. 137; p. 834.
- Hurd & Haggin. (See Le Pontois, L., assignor.)
- Hurd, J. B., Brookland, D. C. Article-delivery show-case. No. 891,544; June 23; Sp. p. 4780; Dr. pp. 1034-5; Gaz. vol. 134; p. 1914.
- Hurd, W. W. (See Mather, G. C., assignor.)
- Hurd, Z., Chicago, Ill. Wire-fence-stay-fastening machine. No. 900,099; Oct. 6; Sp. p. 48; Dr. pp. 9-10; Gaz. vol. 136; p. 1083.
- Hurel, A. M., New York, N. Y. Steamship. No. 888,503; May 26; Sp. p. 4355; Dr. p. 922; Gaz. vol. 134; p. 799.
- Hurlbert, W. G., assignor to Bostwick Steel Lath Company, Niles, Ohio. Metal lathing. No. 900,019; Sept. 29; Sp. p. 5554; Dr. p. 1183; Gaz. vol. 136; p. 1026.
- Hurlburt, A. R., assignor to Wilcox, Crittenden and Company (Incorporated), Middletown, Conn. Deck-plate. No. 891,174; June 16; Sp. p. 4000; Dr. p. 878; Gaz. vol. 134; p. 1760.
- Hurst, A. A., Maquoketa, Iowa. Metal head for barrels, casks, and the like. No. 886,981; May 5; Sp. p. 1275; Dr. p. 269; Gaz. vol. 134; p. 212.
- Hurst, C. B., Chillicothe, Ohio. Corn or grain crib. No. 906,027; Dec. 8; Sp. p. 1797; Gaz. vol. 137; p. 1309.
- Hurst, C. M., Rawlins, Wyo. Railway switch and signal track trip. No. 890,360; June 9; Sp. p. 2364; Dr. pp. 521-2; Gaz. vol. 134; p. 1463.
- Hurst, C. M., Rawlins, Wyo. Railway trip-shoe. No. 892,728; July 7; Sp. p. 663; Dr. p. 140; Gaz. vol. 135; p. 114.
- Hurst, F. G. (See Foster, A. T., assignor.)
- Hurst, G. L., San Francisco, Cal. Endless-chain bucket excavator. No. 901,008; Oct. 13; Sp. p. 1992; Dr. p. 405; Gaz. vol. 136; p. 1408.
- Hurst, G. W., Hawthorne, Nev. Horse-releaser. No. 894,325; July 28; Sp. p. 4084; Dr. pp. 843-4; Gaz. vol. 135; p. 719.
- Hurst, N. W., Blakely, Ga. Planetarium. No. 892,835; July 7; Sp. p. 881; Dr. p. 189; Gaz. vol. 135; p. 149.
- Hurst, O. E., Staten Island, N. Y. Game apparatus. No. 882,945; Mar. 24; Sp. p. 4896; Dr. p. 1028; Gaz. vol. 133; p. 900.
- Hurst, O. M., Centerville, Ind. Farm-gate. No. 879,266; Feb. 18; Sp. p. 2811; Dr. p. 589; Gaz. vol. 132; p. 1371.
- Hurst, W. S., Los Angeles, Cal. Burglar-alarm for door-knobs. No. 896,386; Aug. 18; Sp. p. 3200; Dr. p. 686; Gaz. vol. 135; p. 1465.
- Hursthouse, F., Manchester, England. Extinguishing device. No. 900,282; Oct. 6; Sp. p. 454; Dr. p. 93; Gaz. vol. 136; p. 1143.
- Hurt, G. F., Atlanta, Ga. Coke bin and chute. No. 876,459; Jan. 14; Sp. p. 1562; Dr. p. 335; Gaz. vol. 132; p. 287.
- Hurt, W. N., Shawnee, Okla. Vehicle-top support. No. 899,669; Sept. 29; Sp. p. 4799; Dr. p. 1027; Gaz. vol. 136; p. 911.
- Hurtienne, H. A., Park Falls, Wis. Spark-arrester. No. 895,270; Aug. 4; Sp. p. 1010; Dr. p. 211; Gaz. vol. 135; p. 1060.
- Hurwood Manufacturing Company. (See Stendahl, K. L., assignor.)

Alphabetical list of patentees—Continued.

- Husby, H. P., assignor to Goss Printing Press Company, Chicago, Ill. Rotary folding mechanism for printing-presses. (Reissue.) No. 12,772; Mar. 31; Sp. p. 6399; Dr. p. 1364; Gaz. vol. 133; p. 1167.
- Husby, H. P., assignor to Goss Printing Press Company, Chicago, Ill. Folding apparatus for printing-presses. No. 884,587; Apr. 14; Sp. p. 1854; Dr. pp. 398-9; Gaz. vol. 133; p. 1519.
- Husby, H. P., assignor to Goss Printing Press Company, Chicago, Ill. Roll-holder for printing-presses. No. 894,206; July 28; Sp. p. 3828; Dr. p. 793; Gaz. vol. 135; p. 680.
- Husby, H. P., assignor to Goss Printing Press Company, Chicago, Ill. Rotary folding mechanism for printing-presses. No. 899,734; Sept. 29; Sp. p. 4932; Dr. p. 1058; Gaz. vol. 136; p. 932.
- Huse, C. A., and J. G. Douty, Williamsport, Pa., assignors to Simplex Surface Contact Company. Contact switch-box for electric-railway systems. No. 894,382; July 28; Sp. p. 4195; Dr. p. 866; Gaz. vol. 135; p. 738.
- Huse, L. C. (See Huse, W. D. and L. C.)
- Huse, W. D. and L. C., Laconia, N. H. Thread-feeding mechanism for knitting-machines. No. 879,821; Feb. 18; Sp. p. 3962; Dr. p. 830; Gaz. vol. 132; p. 1552.
- Huse, W. D. and L. C., Laconia, N. H., assignors, by mesne assignments, to Paramount Knitting Company. Knitting-machine. No. 904,484; Nov. 17; Sp. p. 3986; Gaz. vol. 137; p. 707.
- Huser, L., Jack Wade, Alaska. Hose-clamp. No. 893,170; July 14; Sp. p. 1590; Dr. p. 337; Gaz. vol. 135; p. 289.
- Huson, W. S., Taunton, Mass., assignor to Campbell Printing Press & M'g Co., New York, N. Y. Side guide for printing-presses. No. 878,957; Feb. 11; Sp. p. 2206; Dr. p. 461; Gaz. vol. 132; p. 1230.
- Huss, C., assignor of one-half to J. F. Courson, Pitcairn, Pa. Rail-joint. No. 907,805; Dec. 29; Sp. p. 5320; Gaz. vol. 137; p. 1980.
- Huss, J. C., Philadelphia, Pa. Eraser for ink. No. 900,374; Oct. 6; Sp. p. 642; Dr. p. 132; Gaz. vol. 136; p. 1172.
- Hussey, C. H., *et al.* (See Woods, F. C., assignor.)
- Hussey, J. A., Chicago, Ill. Planoforte-case. No. 884,089; Apr. 7; Sp. p. 853; Dr. p. 179; Gaz. vol. 133; p. 1328.
- Hussey, T., Hollywood, Cal. Gold-saving machine. No. 890,059; June 9; Sp. p. 1738; Dr. p. 385; Gaz. vol. 134; p. 1365.
- Husson, A., Oshkosh, Wis., assignor to J. A. Thompson, Chicago, Ill. Miner's lamp. No. 892,836; July 7; Sp. p. 884; Dr. p. 189; Gaz. vol. 135; p. 149.
- Hussong Dyeing Machine Company. (See Hussong, J., assignor.)
- Hussong Dyeing Machine Company. (See Hussong, J., assignor.) (Reissue.)
- Hussong, J., Camden, N. J. Dyeing-machine. No. 895,023; Aug. 4; Sp. p. 508; Dr. p. 102; Gaz. vol. 135; p. 977.
- Hussong, J., Camden, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Hoisting apparatus for dyeing and other machines. No. 878,399; Feb. 4; Sp. p. 1022; Dr. p. 206; Gaz. vol. 132; p. 1016.
- Hussong, J., Camden, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing-machine. (Reissue.) No. 12,781; Apr. 21; Sp. p. 4182; Dr. p. 876; Gaz. vol. 133; p. 1913.
- Hussong, J., Camden, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing-machine. (Reissue.) No. 12,788; Apr. 28; Sp. p. 5504; Dr. p. 1151; Gaz. vol. 133; p. 2154.
- Hussong, J., Camden, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Hoisting and agitating apparatus for dyeing-machines. No. 904,260; Nov. 17; Sp. p. 3534; Gaz. vol. 137; p. 632.
- Husted, F. L., Hicksville, Ohio. Axle-lubricator. No. 895,567; Aug. 11; Sp. p. 1586; Dr. p. 335; Gaz. vol. 135; p. 1180.
- Husted, H. G., Oberlin, Ohio. Trolley-wheel-placing device. No. 881,587; Mar. 10; Sp. p. 2176; Dr. p. 474; Gaz. vol. 133; p. 395.
- Husted, L. J., assignor to National Rural Route Advertising Company, Denver, Colo. Advertising device. No. 898,579; Sept. 15; Sp. p. 2700; Dr. p. 577; Gaz. vol. 136; p. 495.
- Husted, L. J., assignor to National Rural Route Advertising Company, Denver, Colo. Metal-reinforced concrete post. No. 901,449; Oct. 20; Sp. p. 2908; Dr. p. 592; Gaz. vol. 136; p. 1587.
- Huston, A. C. (See Ireland, J. B., assignor.)
- Huston, F. K., administrator. (See Huston, J. B.)
- Huston, J. B., deceased, Los Banos, Cal.; F. K. Huston, administrator. Combination camp table and chest. No. 894,653; July 28; Sp. p. 4735; Dr. p. 983; Gaz. vol. 135; p. 826.
- Hutchens, L. F., *et al.* (See Fredericks, E. J. and D. R., assignors.)
- Hutches, B. F., Jr., Ridgewood, N. J., assignor to Automultigraph Co., New York, N. Y. Paper-feed attachment for type-writers. No. 881,126; Mar. 10; Sp. p. 1263; Dr. p. 273; Gaz. vol. 133; p. 244.
- Hutches, B. F., Jr., Ridgewood, N. J., assignor to Automultigraph Co., New York, N. Y. Type-writer operator. No. 888,807; May 26; Sp. p. 5003; Dr. pp. 1067-8; Gaz. vol. 134; p. 901.
- Hutches, B. F., Jr., Ridgewood, N. J., assignor to Automultigraph Co., New York, N. Y. Type-writer operator. No. 888,808; May 26; Sp. p. 5010; Dr. p. 1068; Gaz. vol. 134; p. 901.
- Hutchings, J., London, England. Auxiliary engine. No. 877,776; Jan. 28; Sp. p. 4261; Dr. p. 925; Gaz. vol. 132; p. 782.
- Hutchings, J., London, England. Lubricating mechanism. No. 891,774; June 23; Sp. p. 5256; Dr. p. 1139; Gaz. vol. 134; p. 1993.
- Hutchings, J., London, England. Internal-combustion engine. No. 904,961; Nov. 24; Sp. p. 5005; Gaz. vol. 137; p. 893.
- Hutchings, J., London, England. Turbine. No. 906,429; Dec. 8; Sp. p. 2553; Gaz. vol. 137; p. 1439.
- Hutchings, M. C., Bozeman, Mont. Safety-clutch for elevators. No. 876,188; Jan. 7; Sp. p. 972; Dr. p. 210; Gaz. vol. 132; p. 165.
- Hutchings, W., Ishpeming, Mich. Deep-well drill. No. 894,147; July 21; Sp. p. 3683; Dr. pp. 764-5; Gaz. vol. 135; p. 640.
- Hutchins, A. W., Providence, R. I. Device for bending the necks of glass-blown dose-measuring bottles. No. 891,259; June 23; Sp. p. 4197; Dr. p. 918; Gaz. vol. 134; p. 1821.
- Hutchins, F. (See Phillips and Hutchins.)
- Hutchins, F. S. (See Hooper and Hutchins.)
- Hutchins, R. A., Jr., *et al.* (See Kelley, E. J., assignor.)
- Hutchins, S. (See Kirkegaard, G., assignor.)
- Hutchins, W. D., Bloomburg, Tex. Track-fastener. No. 893,504; July 14; Sp. p. 2260; Dr. p. 476; Gaz. vol. 135; p. 398.
- Hutchinson, C. H., Boston, Mass. Corkscrew. No. 891,260; June 23; Sp. p. 4199; Dr. p. 919; Gaz. vol. 134; p. 1821.
- Hutchinson, G. S., North Bennington, Vt. Folding stool. No. 901,904; Oct. 20; Sp. p. 3832; Dr. pp. 780-1; Gaz. vol. 136; p. 1735.
- Hutchinson, I. R., assignor to Hutchinson-Mailer Manufacturing Company, Fresno, Cal. Newspaper-wrapping machine. No. 892,837; July 7; Sp. p. 885; Dr. p. 190; Gaz. vol. 135; p. 150.
- Hutchinson, I. R., and B. Hunt, Fresno, Cal.; said Hunt assignor to United States Consolidated Seeded Raisin Company, New York, N. Y. Fruit-seeding machine. No. 887,724; May 12; Sp. p. 2805; Dr. p. 593; Gaz. vol. 134; p. 487.
- Hutchinson, I. R., and B. Hunt, Fresno, Cal.; said Hunt assignor to United States Consolidated Seeded Raisin Company, New York, N. Y. Fruit-seeding machine. No. 887,725; May 12; Sp. p. 2807; Dr. p. 593; Gaz. vol. 134; p. 487.
- Hutchinson, J., New York, N. Y. Railway electric signaling. No. 898,219; Sept. 8; Sp. p. 2009; Dr. p. 427; Gaz. vol. 136; p. 347.
- Hutchinson, J., New York, N. Y. Contact-rail for electric railways. No. 898,220; Sept. 8; Sp. p. 2014; Dr. pp. 427-8; Gaz. vol. 136; p. 347.
- Hutchinson, J., New York, N. Y. Railway electric signaling system. No. 898,221; Sept. 8; Sp. p. 2017; Dr. p. 428; Gaz. vol. 136; p. 347.
- Hutchinson, J., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 891,073; June 16; Sp. p. 3824; Dr. p. 835; Gaz. vol. 134; p. 1729.
- Hutchinson, M., Muskegon, Mich. Folding crate. No. 896,299; Aug. 18; Sp. p. 3024; Dr. p. 651; Gaz. vol. 135; p. 1438.
- Hutchinson, M., Muskegon, Mich. Folding shipping-case. No. 898,049; Sept. 8; Sp. p. 1674; Dr. p. 355; Gaz. vol. 136; p. 293.
- Hutchinson, M., Muskegon, Mich. Knockdown receptacle. No. 903,331; Nov. 10; Sp. p. 1690; Gaz. vol. 137; p. 308.
- Hutchinson-Mailer Manufacturing Company. (See Hutchinson, I. R., assignor.)
- Hutchinson, R. H., New York, N. Y. Lubricant and manufacturing same. No. 907,055; Dec. 15; Sp. p. 3723; Gaz. vol. 137; p. 1663.
- Hutchinson, T. T., Newark, N. J. Cigarette. No. 890,060; June 9; Sp. p. 1740; Dr. p. 385; Gaz. vol. 134; p. 1366.
- Hutchinson, W. B., trustee. (See Rector, A., assignor.)
- Hutchinson, W. F., Nyack, N. Y. Machine for cutting forms from sheet stock. No. 885,254; Apr. 21; Sp. p. 3269; Dr. p. 682; Gaz. vol. 133; p. 1769.
- Hutchinson, W. F., assignor to C. V. A. Blauvelt, trustee, Nyack, N. Y. Toothpick-machine. No. 896,209; Aug. 18; Sp. p. 2831; Dr. pp. 610-11; Gaz. vol. 135; p. 1408.
- Hutchison, J. W., New Matamoras, Ohio. Combined snap-hook and buckle. No. 889,013; May 26; Sp. p. 5420; Dr. p. 1152; Gaz. vol. 134; p. 968.
- Hutchison, M. R., Summit, N. J. Mechanically-actuated acoustic diaphragm. No. 883,643; Mar. 31; Sp. p. 6306; Dr. p. 1345; Gaz. vol. 133; p. 1153.
- Huth, O. W. (See Davis, M., assignor.)
- Huth, J., assignor of one-half to W. A. Huth, Canton, Ohio. Clothes-line holder. No. 899,166; Sept. 22; Sp. p. 3306; Dr. p. 814; Gaz. vol. 136; p. 714.
- Huth, W. A. (See Huth, J., assignor.)
- Huther, A. E., *et al.* (See Sears, G. H., assignor.)
- Huther, W. B., *et al.* (See Sears, G. H., assignor.)
- Hutsler, C. W., Williamsport, Md., assignor of five-eighths to H. C. Heffner, G. A. Kerschner, and C. P. C. Rinker, Martinsburg, W. Va. Mail-bag-delivery apparatus. No. 902,409; Oct. 27; Sp. p. 4834; Dr. pp. 988-9; Gaz. vol. 136; p. 1928.

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- Hutson, W. P. (See Dreesen and Hutson.)
- Huttenlocher, F., assignor to J. Ostertag, Stuttgart, Germany. Apparatus for indicating the level of petrol in the petrol-container of motor-cars and the like. No. 904,874; Nov. 24; Sp. p. 4841; Gaz. vol. 137; p. 865.
- Huttinger, W. F., Dunkirk, Ohio. Lifting device. No. 883,805; Apr. 7; Sp. p. 261; Dr. p. 48; Gaz. vol. 133; p. 1234.
- Hutton, C. F., assignor of one-half to G. W. Goff, East Hampton, Conn. Buckle. No. 901,103; Oct. 13; Sp. p. 2170; Dr. p. 441; Gaz. vol. 136; p. 1436.
- Hutton, E. F. (See Goodrich, O. H., assignor.)
- Hutton, J. A., Woodlands, and W. H. Himbury, Springfield, Cheadle, England. Baling-press. No. 876,553; Jan. 14; Sp. p. 163; Dr. pp. 384-5; Gaz. vol. 132; p. 320.
- Hutton, W. B., et al. (See Benson, S., assignor.)
- Huyette, W. S., Chicago, Ill., assignor to Wickes Brothers, Saginaw, Mich. Gas-producer. No. 876,967; Jan. 21; Sp. p. 72632; Dr. p. 571; Gaz. vol. 132; p. 496.
- Hyatt, E. B., Portland, Oreg. Automatic stop attachment for phonographs. No. 904,875; Nov. 24; Sp. p. 4842; Gaz. vol. 137; p. 865.
- Hyatt, J. W., Newark, N. J. Polishing-wheel. No. 895,641; Aug. 11; Sp. p. 1724; Dr. p. 365; Gaz. vol. 135; p. 1204.
- Hyatt Roller Bearing Company. (See Sloan, A. P., Jr., assignor.)
- Hyatt, W. F., Brooklyn, N. Y. Closure for cans. No. 876,000; Jan. 7; Sp. p. 608; Dr. p. 130; Gaz. vol. 132; p. 106.
- Hyde, A. E. (See Taylor, G. J., assignor.)
- Hyde, A. H. (See Webb, H. H., assignor.)
- Hyde, D. B., Santa Ana, Cal. Safety-collar for abrasive wheels. No. 875,931; Jan. 7; Sp. p. 468; Dr. p. 101; Gaz. vol. 132; p. 84.
- Hyde, H., Rochester, N. Y. Apparatus for burning hydrocarbon. No. 902,298; Oct. 27; Sp. p. 4654; Dr. p. 945; Gaz. vol. 136; p. 1892.
- Hyde, J. L., Portland, and O. P. Peterson, Falmouth, assignors to Conqueror Fire Extinguisher Company, Portland, Me. Fire-extinguisher. No. 878,487; Feb. 4; Sp. p. 1212; Dr. p. 250; Gaz. vol. 132; p. 1044.
- Hyde, L. S., Spanish, Mont. Attachment for wagons. No. 888,898; May 26; Sp. p. 5211; Dr. p. 1105; Gaz. vol. 134; p. 932.
- Hyde, S. W., Lincoln, Nebr. Vegetable peeling and washing machine. No. 906,529; Dec. 15; Sp. p. 2747; Gaz. vol. 137; p. 1498.
- Hyde, T. R., Jr., assignor to Scoville Manufacturing Company, Waterbury, Conn. Button-fastener. No. 889,133; May 26; Sp. p. 5665; Dr. p. 1199; Gaz. vol. 134; p. 1006.
- Hyde, T. R., Jr., assignor to Scovill Manufacturing Company, Waterbury, Conn. Snap-fastening slide-buckle. No. 899,670; Sept. 29; Sp. p. 4800; Dr. p. 1028; Gaz. vol. 136; p. 912.
- Hydrocarbon Chemical Company. (See Connor, G. T., assignor.)
- Hyer, M. W., New York, N. Y. Temporary binder. No. 898,580; Sept. 15; Sp. p. 2702; Dr. p. 577; Gaz. vol. 136; p. 495.
- Hygienic Chemical Company of New Jersey. (See Wadman, W. E., assignor.)
- Hygienic Floor Machine Company. (See Goodier, G. W., assignor.)
- Hygienic Refiner Company. (See Mears, F., assignor.)
- Hygienic Refiner Company. (See Mears and Craig, assignors.)
- Hyke, C. E., assignor of one-half to Western Rubber Company, Goshen, Ind. Tiling. No. 905,189; Dec. 1; Sp. p. 132; Gaz. vol. 137; p. 1005.
- Hyler, K. L., Chicago, Ill. Combined base-board and ground-strip. No. 904,261; Nov. 17; Sp. p. 3536; Gaz. vol. 137; p. 632.
- Hylen-Cavallius, C. F., Halmstad, Sweden. Garment-supporter. No. 902,084; Oct. 27; Sp. p. 4214; Dr. p. 853; Gaz. vol. 136; p. 1823.
- Hymen, H. F., and G. H. Hay, Houston, Tex. Switch-operating mechanism. No. 892,838; July 7; Sp. p. 891; Dr. p. 190; Gaz. vol. 135; p. 150.
- Hymers, C., St. Louis, Mo. Combined furniture-leg and caster. No. 880,997; Mar. 3; Sp. p. 1018; Dr. p. 219; Gaz. vol. 133; p. 174.
- Hyre, W. F., Ind. Harrow. No. 880,998; Mar. 3; Sp. p. 1019; Dr. pp. 219-20; Gaz. vol. 133; p. 174.
- Hysores, W. F., and C. G. Barnstead, Philadelphia, Pa. Leather-stretcher. No. 896,387; Aug. 18; Sp. p. 3201; Dr. p. 686; Gaz. vol. 135; p. 1456.
- I. E. Palmer Company. (See Palmer, I. E., assignor.)
- Ibbittson, W. P., Henry, S. D. Corn-planter. No. 880,999; Mar. 3; Sp. p. 1020; Dr. pp. 220-1; Gaz. vol. 133; p. 174.
- Ice, H. L. (See Gething, A., assignor.)
- Idaho National Harvester Company. (See Anderson and Quesnell, assignors.)
- Ide, H. L., assignor to A. L. Ide & Sons, Springfield, Ill. Engine. No. 900,100; Oct. 6; Sp. p. 51; Dr. p. 10; Gaz. vol. 136; p. 1083.
- Ide & Sons, A. L. (See Ide, H. L., assignor.)
- Ideal Concrete. (See Tye and Benjamin, assignors.)
- Ideal Manufacturing Company. (See Robinson, W. W., assignor.)
- Ielfield, F. C., assignor to Columbia Postal Supply Company, Silver Creek, N. Y. Mail-marking machine. No. 888,809; May 26; Sp. p. 5016; Dr. pp. 1069-70; Gaz. vol. 134; p. 901.
- Ielfield, F. C., assignor to Columbia Postal Supply Company, Silver Creek, N. Y. Mail marking or canceling machine. No. 896,834; Aug. 25; Sp. p. 4123; Dr. p. 884; Gaz. vol. 135; p. 1635.
- Igelmann, C. F., Indianapolis, Ind. Cracker and cake box rack. No. 887,329; May 12; Sp. p. 2031; Dr. p. 425; Gaz. vol. 134; p. 356.
- Ihde, A. W., Tyrone, Okla. Harvesting-knife. No. 891,481; June 23; Sp. p. 4659; Dr. p. 1009; Gaz. vol. 134; p. 1895.
- Ihlder, J. D., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Ammunition-hoist control. No. 879,387; Feb. 18; Sp. p. 3055; Dr. p. 636; Gaz. vol. 132; p. 1410.
- Ihlder, J. D., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electric controlling system. No. 897,537; Sept. 1; Sp. p. 610; Dr. p. 127; Gaz. vol. 136; p. 96.
- Ihle, J., Chippewa Falls, Wis. Sawmill. No. 884,020; Apr. 7; Sp. p. 712; Dr. pp. 144-5; Gaz. vol. 133; p. 1306.
- Ilhken, W., Hoboken, N. J. Barrel-filling machine. No. 891,074; June 16; Sp. p. 3825; Dr. p. 835; Gaz. vol. 134; p. 1729.
- Ikonograph Company of America. (See Lagergren, J. E., assignor.)
- Iler Rock Drill Manufacturing Company. (See Waugh, D. S., assignor.)
- Ilg, C. C., assignor of two-thirds to N. B. L. Cosel and R. Frankenbush, New York, N. Y. Explosive-engine starter. No. 883,461; Mar. 31; Sp. p. 5957; Dr. p. 1271; Gaz. vol. 133; p. 1098.
- Iliff, E. J. (See Iliff, J., assignor.)
- Iliff, J., Madison, Wis., assignor of one-half to E. J. Iliff, Minneapolis, Minn. Tie-tamping apparatus. No. 893,505; July 14; Sp. p. 2270; Dr. pp. 477-8; Gaz. vol. 135; p. 398.
- Illingworth, A. H., Ben Rhydding, England. Bait-casting reel used in angling. No. 879,468; Feb. 18; Sp. p. 3242; Dr. p. 675; Gaz. vol. 132; p. 1436.
- Illingworth, H. I., Swampscott, Mass. Machine for snipping and cementing shoe-uppers. No. 900,171; Oct. 6; Sp. p. 208; Dr. pp. 42-3; Gaz. vol. 136; p. 1106.
- Illingworth, H. I., Swampscott, assignor to Boston Machine Works Company, Lynn, Mass. Vamp cementing and snipping machine. No. 878,958; Feb. 11; Sp. p. 2208; Dr. p. 462; Gaz. vol. 132; p. 1231.
- Illingworth, H. I., Swampscott, assignor to Boston Machine Works Company, Lynn, Mass. Rotary cementing and snipping machine. No. 878,959; Feb. 11; Sp. p. 2211; Dr. pp. 462-3; Gaz. vol. 132; p. 1231.
- Illingworth, J., Newark, N. J. Ingot-compressing apparatus. No. 881,927; Mar. 17; Sp. p. 2887; Dr. pp. 615-16; Gaz. vol. 133; p. 534.
- Illingworth, J., Newark, N. J. Ingot-compressing apparatus. No. 881,928; Mar. 17; Sp. p. 2889; Dr. p. 616; Gaz. vol. 133; p. 534.
- Illingworth, R. H., Newark, N. J., assignor to Crucible Steel Company of America. Steel. No. 882,112; Mar. 17; Sp. p. 3262; Gaz. vol. 133; p. 593.
- Illinois Malleable Iron Company. (See Anderson, A. G., assignor.)
- Illinois Malleable Iron Company. (See Bullock, H. E., assignor.)
- Illinois Malleable Iron Company. (See Nelson, J., assignor.)
- Illinois Malleable Iron Company. (See Steneck, J. R., assignor.)
- Illinois-Pacific Glass Co. (See Mackin, F. J., assignor.)
- Illinois Pneumatic Transmission Co. (See Wolever, F. H., assignor.)
- Illinois Publishing and Printing Company. (See Casey, E. J., assignor.)
- Illinois Sewing Machine Company. (See Free and Angove, assignors.)
- Illoway, A., New York, N. Y. Collar-supporter. No. 877,928; Feb. 4; Sp. p. 70; Dr. p. 14; Gaz. vol. 132; p. 860.
- Illoway, N., New York, N. Y. Detachable button. No. 881,473; Mar. 10; Sp. p. 1963; Dr. p. 427; Gaz. vol. 133; p. 356.
- Illoway, N., New York, N. Y. Collar-supporter. No. 892,729; July 7; Sp. p. 665; Dr. p. 141; Gaz. vol. 135; p. 115.
- Illoway, N., New York, N. Y. Collar-supporter. No. 907,241; Dec. 22; Sp. p. 4136; Gaz. vol. 137; p. 1761.
- Imbert, A. H., Grand-Montrouge, France, assignor to Imbert Process Company, New York, N. Y. Treatment of ores by means of the precipitation process. No. 894,383; July 28; Sp. p. 4199; Dr. p. 866; Gaz. vol. 135; p. 738.
- Imbert, G., Nuremberg, Germany. Producing dichlor-ethoxy-ethylene. No. 894,148; July 21; Sp. p. 3685; Gaz. vol. 135; p. 641.
- Imbert, G., Nuremberg, Germany. Producing glycin derivatives. No. 894,149; July 21; Sp. p. 3685; Gaz. vol. 135; p. 641.
- Imbert, G., Nuremberg, Germany. Making chloracetic ether. No. 901,009; Oct. 13; Sp. p. 1994; Gaz. vol. 136; p. 1408.
- Imbert, G., Nuremberg, Germany. Producing hydroxy-fatty acids. No. 901,905; Oct. 20; Sp. p. 3834; Gaz. vol. 136; p. 1735.
- Imbert Process Company. (See Imbert, A. H., assignor.)
- Imboden, C. H., and J. J. Lawlor, Greensburg, Pa. Ladle-carrier. No. 878,002; Feb. 4; Sp. p. 211; Dr. p. 46; Gaz. vol. 132; p. 884.

Alphabetical list of patentees—Continued.

- Imlach, F., Liverpool, England. Racket. No. 880,306; Feb. 25; Sp. p. 4985; Dr. p. 1052; Gaz. vol. 132; p. 1745.
- Imlay, W. L., Conestoga, Pa., assignor to William L. Imlay Rapid Cyanide Process Company. Lixiviator. No. 898,050; Sept. 8; Sp. p. 1677; Dr. p. 356; Gaz. vol. 136; p. 294.
- Imlay, W. L., Conestoga, Pa., assignor to William L. Imlay Rapid Cyanide Process Company. Filter. No. 904,698; Nov. 24; Sp. p. 4447; Gaz. vol. 137; p. 806.
- Immell, O. F., Blair, Wis. Fish-hook releaser. No. 892,730; July 7; Sp. p. 666; Dr. p. 141; Gaz. vol. 135; p. 115.
- Imperial Art Press Co. (See Seaman, A. J., assignor.)
- Imperial Curtain Company. (See Hanlon, G. W., assignor.)
- Imperial Gas Engine Co. (See Moffitt, E. R., assignor.)
- Imperial Ore Separator Company. (See Moffatt, R. R., assignor.)
- Imperial Stopper Company. (See Kirkegaard, G., assignor.)
- Imperiali, R., Naples, Italy. Fuse for armor-piercing projectiles. No. 903,980; Nov. 17; Sp. p. 2934; Gaz. vol. 137; p. 535.
- Improved Equipment Company. (See Laird, W. G., assignor.)
- Improved Paper Machinery Company. (See Parker, H., assignor.)
- Imus, D. W., Los Angeles, Cal. Show-case for displaying pickles and the like. No. 899,052; Sept. 22; Sp. p. 3572; Dr. p. 765; Gaz. vol. 136; p. 675.
- Inbusch, F. C. (See Miller, L. A., assignor.)
- Incandescent Light & Stove Company. (See Stubbers, J., assignor.)
- Ince, E. C., Buffalo, N. Y. Hammock. No. 894,008; July 21; Sp. p. 3397; Dr. p. 695; Gaz. vol. 135; p. 593.
- Inch, R., and H. Cramer, Jr., Sonora, Cal. Perpetual daily calendar. No. 876,554; Jan. 14; Sp. p. 1766; Dr. p. 385; Gaz. vol. 132; p. 320.
- Indahl, M. C. (See Bancroft and Indahl.) (Reissue.)
- Indahl, M. C. (See Dove, Bancroft, and Indahl.)
- Independent Button & Machine Company. (See Breitenstein, J. G., assignor.)
- Independent Harvester Company. (See Boda, J., assignor.)
- Independent Harvester Company. (See Hibbs, W., assignor.)
- Independent Harvester Company. (See Kilmer, G. B., assignor.)
- Indestructible Phonographic Record Company. (See Philpot and Matthews, assignors.)
- Indiana Manufacturing Company. (See Anderson, L. M., assignor.)
- Indiana Manufacturing Company. (See Sharpe, J. K., Jr., assignor.)
- Indiana Road Machine Company. (See Brophy, L. V., assignor.)
- Industrial Oxygen Company. (See Beltzer, A., assignor.)
- Ingalls, J. A., assignor of two-thirds to G. H. Olmstead and J. A. Weed, Pocatello, Idaho. Tank valve and spout. No. 888,331; May 19; Sp. p. 3983; Dr. p. 840; Gaz. vol. 134; p. 712.
- Ingalsbe, H. L., Oakdale, Nebr. Grappling device. No. 907,056; Dec. 15; Sp. p. 3725; Gaz. vol. 137; p. 1664.
- Ingbebo, G. M., Veblen, S. D. Sliding-door fastener. No. 897,105; Aug. 25; Sp. p. 4700; Dr. p. 1002; Gaz. vol. 135; p. 1725.
- Ingells, J., Muskegon, Mich. Machine for forming concrete blocks. No. 891,423; June 23; Sp. p. 4543; Dr. p. 988; Gaz. vol. 134; p. 1875.
- Ingersoll, C. M., New York, N. Y. Machine for surfacing roads, pavements, &c. No. 905,190; Dec. 1; Sp. p. 133; Gaz. vol. 137; p. 1005.
- Ingersoll, F. A., New York, N. Y. Combined corn harvester and husker. No. 876,189; Jan. 7; Sp. p. 974; Dr. pp. 210-11; Gaz. vol. 132; p. 166.
- Ingersoll, F. A., New York, N. Y. Corn-husker. No. 882,500; Mar. 17; Sp. p. 3972; Dr. p. 849; Gaz. vol. 133; p. 719.
- Ingersoll, G. W., Stockton, Cal. Harvester. No. 886,703; May 5; Sp. p. 738; Dr. pp. 151-2; Gaz. vol. 134; p. 125.
- Ingersoll, H. G., trustee. (See Noyes, H. W., assignor.)
- Ingersoll-Rand Company. (See Ambrose, R. L., assignor.)
- Ingersoll-Rand Company. (See Davis, F. H., assignor.)
- Ingersoll-Rand Company. (See Ifaigh, H. V., assignor.)
- Ingersoll-Rand Company. (See Hansen, C. C., assignor.)
- Ingersoll-Rand Company. (See Parsons, F. W., assignor.)
- Ingersoll-Rand Company. (See Prellwitz, W., assignor.)
- Ingersoll-Rand Company. (See Sergeant, H. C., assignor.)
- Ingersoll-Rand Company. (See Taylor, A. H., assignor.)
- Ingersoll-Rand Company. (See Thomas and Blackwell, assignors.)
- Ingersoll-Sergeant Drill Company. (See Prellwitz, W., assignor.)
- Ingham, H., Brandon, Manitoba, Canada. Weather-strip. No. 903,474; Nov. 10; Sp. p. 1879; Gaz. vol. 137; p. 339.
- Ingleby, J. C. B., Leeds, England. Dust-shield for self-moving road-vehicles. No. 877,083; Jan. 21; Sp. p. 2871; Dr. p. 620; Gaz. vol. 132; p. 535.
- Inglis, A. J., Chicago, Ill. Pneumatic stacker. No. 878,530; Feb. 11; Sp. p. 1355; Dr. pp. 275-6; Gaz. vol. 132; p. 1092.
- Inglish, B., Terre Haute, Ind. Swing. No. 892,664; July 7; Sp. p. 529; Dr. p. 112; Gaz. vol. 135; p. 94.
- Ingoldsby Automatic Car Company. (See Ingoldsby, F. S., assignor.)
- Ingoldsby, F. S., assignor to Ingoldsby Automatic Car Company, St. Louis, Mo. Dump-car. No. 875,820; Jan. 7; Sp. p. 269; Dr. p. 59; Gaz. vol. 132; p. 50.
- Ingoldsby, F. S., St. Louis, Mo., and J. F. Townsend, Pittsburg, Pa.; said Ingoldsby assignor to said Townsend. Car-stake. No. 900,930; Oct. 13; Sp. p. 1838; Dr. p. 374; Gaz. vol. 136; p. 1381.
- Ingraham, C. B., and A. L. Moser, Laurel, Iowa. Cement-post fastener. No. 893,734; July 21; Sp. p. 2834; Dr. p. 582; Gaz. vol. 135; p. 504.
- Ingram, H., London, England. Automatic magic-lantern. No. 891,175; June 16; Sp. p. 4001; Dr. p. 873; Gaz. vol. 134; p. 1760.
- Ingram, R. B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic cell. No. 891,995; June 30; Sp. p. 5728; Dr. p. 1232; Gaz. vol. 134; p. 2096.
- Ingram, R. B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning-arrester for electrical circuits. No. 894,150; July 21; Sp. p. 3686; Dr. p. 765; Gaz. vol. 135; p. 641.
- Ingram, W. E., and C. W. Hinton, Los Angeles, Cal. Wardrobe-bedstead. No. 879,050; Feb. 11; Sp. p. 2368; Dr. pp. 495-6; Gaz. vol. 132; p. 1259.
- Ingram, W. E., and C. W. Hinton, Los Angeles, Cal. Recess-bed. No. 899,868; Sept. 29; Sp. p. 5235; Dr. p. 1119; Gaz. vol. 136; p. 978.
- Inman, J., Pullman, Wash. Work-holding attachment. No. 888,332; May 19; Sp. p. 3984; Dr. p. 840; Gaz. vol. 134; p. 712.
- Innes, A. J., Sutherland, Iowa. Table-leg fastener. No. 892,839; July 7; Sp. p. 892; Dr. p. 191; Gaz. vol. 135; p. 150.
- Innes, H. C., Hartwell, assignor of one-half to Franklin Cotton Mill Company, Cincinnati, Ohio. Mattress. No. 877,568; Jan. 28; Sp. p. 3870; Dr. p. 837; Gaz. vol. 132; p. 716.
- Inouye, J., Minamiku, and T. Dogura, Kawakami, Japan. Tanning hides and skins. No. 877,341; Jan. 21; Sp. p. 3402; Gaz. vol. 132; p. 621.
- Iurig, A. G., Tottenham, assignor of three-fourths to H. E. McKrell, Westminster, England. Treatment of waste leather, rawhides or skins, hoofs, horns, or bones of animals. No. 892,840; July 7; Sp. p. 894; Gaz. vol. 135; p. 151.
- Insell, R. J. (See Jacobs, Insell, and Bowden.)
- Insinger, A., Philadelphia, Pa. Device for supporting motors. No. 875,821; Jan. 7; Sp. p. 271; Dr. p. 59; Gaz. vol. 132; p. 50.
- Inskeep, C. C., Ottumwa, Iowa, and E. and C. S. Gowland, Croydon, England. Retinoscope, ophthalmoscope, and the like. No. 886,512; May 5; Sp. p. 337; Dr. p. 69; Gaz. vol. 134; p. 62.
- Insley Iron Works. (See Barrows, D. S., assignor.)
- Insull, S. (See Ball, H. P., assignor.)
- Inter-State Manufacturing Company. (See Bryce, A. V., assignor.)
- Inter-State Signal Company. (See Daves, W., assignor.)
- Inter-West Peat Fuel Company. (See Kellond, R. A., assignor.)
- Internal Speed Automobile Company. (See Lutz, H., assignor.)
- International Amet Company. (See Amet, E. H., assignor.)
- International Caloric Company. (See Best, W. N., assignor.)
- International Cash Register Company. (See Hallwood, H. S., assignor.)
- International Cigar Machinery Company. (See Luckett and Fogde, assignors.)
- International Conservatory of Music. (See Hobart, F. E., assignor.)
- International Conservatory of Music. (See Thrash, W. E., assignor.)
- International Flax Twine Company. (See Summers, B. S., assignor.)
- International Gas Development Company. (See Benner, H. W., assignor.)
- International Generator Company. (See Moore, F. M., assignor.)
- International Harvester Company. (See Andrew, W. K., assignor.)
- International Harvester Company. (See Dennis, S. K., assignor.)
- International Harvester Company. (See Johnston, E. A., assignor.)
- International Harvester Company. (See Johnson and Sturrock, assignors.)

Alphabetical list of patentees—Continued.

- International Harvester Company. (See Latimer, J. W., assignor.)
 International Harvester Company. (See Longenecker, C. I., assignor.)
 International Harvester Company. (See Pridmore, J. W., assignor.)
 International Harvester Company. (See Sharp, C. S., assignor.)
 International Harvester Company. (See Sperry, H. B., assignor.)
 International Harvester Company. (See Stone, J. A., assignor.)
 International Heater Company. (See Lyman, C. M., assignor.)
 International Incinerator Company. (See Esperandieu, E. F., assignor.)
 International Lead Companies. (See Chaplin, E. D., assignor.)
 International Machine Corporation. (See Greer, F. L., assignor.)
 International Nickel Company. (See Wadhams and Stanley, assignors.)
 International Nickel Company. (See Wood, E. F., assignor.)
 International Patent Corporation. (See Radcliffe, C. R., assignor.)
 International Patent Corporation. (See Veitch, T., assignor.)
 International Pavement Company. (See McCarter, L. N., assignor.)
 International Precipitation Company. (See Cottrell, F. G., assignor.)
 International Register Company. (See Kirchhoff, W. G., assignor.)
 International Safe Company. (See Fisher, C., assignor.)
 International Separator Company. (See Payne, C. Q., assignor.)
 International Silver Co. (See Kintz, R. R., assignor.)
 International Speed Register Co. (See De La Monte, C. H., assignor.)
 International Sprinkler Co. (See Evans, P., assignor.)
 International Steam Pump Company. (See Cunningham, R. P., assignor.)
 International Steam Pump Company. (See Fleming, W. M., assignor.)
 International Steam Pump Company. (See Scott, C. N., assignor.)
 International Stoker Company. (See Crosby, C. W., assignor.)
 International Subway & Tunnel Ventilating Company. (See Conroy, P. J., assignor.)
 International Switch & Signal Company. (See Shaw, F. G., assignor.)
 International Telegraph Construction Company. (See Ehret, C. D., assignor.)
 International Telegraph Construction Company. (See Shoemaker, H., assignor.)
 International Telemeter Company. (See Gilman, W. H., assignor.)
 International Vailograph Company. (See Vail, F. T., assignor.)
 International Wrapping Machine Company. (See Jacobsen, J. N., assignor.)
 Interstate Drainage and Investment Company. (See Rood, E. O., assignor.)
 Interstate Shirt and Collar Company. (See Wilson, J. V., assignor.)
 Interwoven Stocking Company. (See Mettler, J. W., assignor.)
 Invincible Grain Cleaner Company. (See Shumaker, C. F., assignor.)
 Ioset, F., Wadena, Minn. Pipe-wrench. No. 896,730; Aug. 25; Sp. p. 3875; Dr. p. 838; Gaz. vol. 135; p. 1598.
 Ipson, G., Huntington, Utah. Station-indicator. No. 907,806; Dec. 29; Sp. p. 5320; Gaz. vol. 137; p. 1980.
 Irelan, A. E., assignor to Philadelphia Metallic Bed Company, Philadelphia, Pa. Corner-fastener for bedsteads. No. 902,085; Oct. 27; Sp. p. 4215; Dr. p. 854; Gaz. vol. 136; p. 1823.
 Ireland, F. (See Pittman, C. J., assignor.)
 Ireland, G. F., Fort Totten, N. Y. Pencil-cushion. No. 902,233; Oct. 27; Sp. p. 4524; Dr. p. 916; Gaz. vol. 136; p. 1870.
 Ireland, J. B., Broderick, assignor of one-half to A. C. Huston, Woodland, Cal. Box-clamping machine. No. 902,491; Oct. 27; Sp. p. 5084; Dr. p. 1030; Gaz. vol. 136; p. 1957.
 Ireland, R., and H. W. Cole, Kalgoorlie, Western Australia, Australia. Cap for the protection of the human head. No. 882,686; Mar. 24; Sp. p. 4364; Dr. p. 929; Gaz. vol. 133; p. 814.
 Irish, G. H., et al. (See Jipperson, J. M., assignor.)
 Irish, R. W., Pine Island, Minn. Lace-cabinet. No. 904,699; Nov. 24; Sp. p. 4450; Gaz. vol. 137; p. 807.
 Irons, W. H., Beaver, Pa. Split knob. No. 876,059; Jan. 7; Sp. p. 721; Dr. p. 154; Gaz. vol. 132; p. 125.
 Irvine and Hough Company. (See Hough, E. B., assignor.)
 Irving-Pitt Mfg. Co. (See Pitt, W. P., assignor.)
 Irving, S. C. (See Beatty and Irving.)
 Irwin, F. L., assignor to Ralston Steel Car Company, Columbus, Ohio. Steel underframing for railway-cars. No. 882,638; Mar. 24; Sp. p. 4268; Dr. p. 905; Gaz. vol. 133; p. 798.
 Irwin, F. L., assignor to Ralston Steel Car Company, Columbus, Ohio. Car-underframe construction. No. 900,375; Oct. 6; Sp. p. 642; Dr. p. 132; Gaz. vol. 136; p. 1172.
 Irwin, F. L., assignor to Ralston Steel Car Company, Columbus, Ohio. Car-bolster. No. 900,376; Oct. 6; Sp. p. 645; Dr. p. 133; Gaz. vol. 136; p. 1173.
 Irwin, F. L., assignor to Ralston Steel Car Company, Columbus, Ohio. Car-underframe construction. No. 900,546; Oct. 6; Sp. p. 1022; Dr. pp. 207-8; Gaz. vol. 136; p. 1229.
 Irwin, F. L., assignor to Ralston Steel Car Company, Columbus, Ohio. Locking device for dump-cars. No. 907,807; Dec. 29; Sp. p. 5323; Gaz. vol. 137; p. 1980.
 Irwin, F. L., assignor to J. S. Ralston, Columbus, Ohio. Operating device for dump-car doors. No. 906,531; Dec. 15; Sp. p. 2750; Gaz. vol. 137; p. 1499.
 Irwin, F. L., and J. E. Tesseyman, assignors to Ralston Steel Car Company, Columbus, Ohio. Door for hopper-cars. No. 906,530; Dec. 15; Sp. p. 2749; Gaz. vol. 137; p. 1498.
 Irwin Foundry & Mine Car Foundry. (See Sensenich, C. D., assignor.)
 Irwin, H., Tikokino, New Zealand. Alarm. No. 883,025; Mar. 24; Sp. p. 5034; Dr. p. 1072; Gaz. vol. 133; p. 924.
 Irwin, J. H., Highmore, S. D. Poultry-house. No. 901,535; Oct. 20; Sp. p. 3086; Dr. p. 630; Gaz. vol. 136; p. 1616.
 Irwin, L. E., London, Ontario, Canada. Baby's diaper. No. 900,172; Oct. 6; Sp. p. 213; Dr. pp. 43-4; Gaz. vol. 136; p. 1107.
 Irwin, O. (See Duffy and Irwin.)
 Isaacs, C. N., Newark, N. J. Timer. No. 897,743; Sept. 1; Sp. p. 1012; Dr. p. 215; Gaz. vol. 136; p. 163.
 Isaacs, E. (See Williams and Isaacs.)
 Isaacs, H. S., Braddock, and L. Isaacs, Pittsburg, Pa., assignors to American Moving Picture Machine Company. Moving-picture apparatus. (Reissue.) No. 12,869; Oct. 27; Sp. p. 5213; Dr. p. 1053; Gaz. vol. 136; p. 1975.
 Isaacs, J. D., Chicago, Ill., assignor to Rifed Pipe Company, San Francisco, Cal. Helically-corrugated pipe-line. No. 898,741; Sept. 15; Sp. p. 3010; Dr. p. 645; Gaz. vol. 136; p. 547.
 Isaacs, L. (See Isaacs, H. S. and L.) (Reissue.)
 Isaacs, M. R., Philadelphia, Pa. Treating albuminoids and the composition of matter produced therefrom. No. 879,967; Feb. 25; Sp. p. 4305; Gaz. vol. 132; p. 1634.
 Isbell-Porter Company. (See Woodall and Duckham, assignors.)
 Ischer, F., Torrington, Conn. Illuminated alarm-clock. No. 893,506; July 14; Sp. p. 2277; Dr. p. 478; Gaz. vol. 135; p. 399.
 Iserloth, C. F. (See Waldinger and Iserloth.)
 Isham, A. C., Madisonville, Ohio. Feather duster. No. 894,833; Aug. 4; Sp. p. 69; Dr. p. 14; Gaz. vol. 135; p. 911.
 Isham, A. K., Seattle, Wash. Current-motor. No. 905,320; Dec. 1; Sp. p. 366; Gaz. vol. 137; p. 1047.
 Isham, A. M., administratrix. (See Isham, S. L.)
 Isham, S. L., deceased, St. Paul, Minn.; A. M. Isham, administratrix. Collar. No. 899,167; Sept. 22; Sp. p. 3807; Dr. p. 815; Gaz. vol. 136; p. 714.
 Isler, J. W., Goldsboro, N. C. Computing cheese-cutter. No. 886,982; May 5; Sp. p. 1276; Dr. pp. 268-70; Gaz. vol. 134; p. 212.
 Isler, M. H., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye and making same. No. 876,190; Jan. 7; Sp. p. 978; Gaz. vol. 132; p. 166.
 Isler, M. H., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Omega halogen methyl anthraquinone compound. No. 893,507; July 14; Sp. p. 2278; Gaz. vol. 135; p. 399.
 Isler, M. H., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye and making same. No. 893,508; July 14; Sp. p. 2280; Gaz. vol. 135; p. 399.
 Isnard, M. J. S. A., Grenoble, assignor to P. Drevet, L. A. Nove-Josserand, Lyon, and N. Dumond, Tassin la Demi-Lune, near Lyon, France. Starting device for motors. No. 882,946; Mar. 24; Sp. p. 4898; Dr. p. 1039; Gaz. vol. 133; p. 900.
 Itala Fabbrica di Automobili. (See Balloco, A., assignor.)
 Iten, A., Mountainview, Hawaii. Weed-burner. No. 899,404; Sept. 22; Sp. p. 4257; Dr. pp. 913-14; Gaz. vol. 136; p. 789.
 Iuppenplatz, W. L., and E. R. Martin, assignors of one-third to O. N. Moore, Indianapolis, Ind. Automatic calendar and advertiser. No. 883,716; Apr. 7; Sp. p. 77; Dr. p. 12; Gaz. vol. 133; p. 1205.

Alphabetical list of patentees—Continued.

- Ivery, J. W., Dillsburg, Pa. Artificial fuel. No. 906,431; Dec. 8; Sp. p. 2557; Gaz. vol. 137; p. 1440.
 Ivery, J. W., Dillsburg, Pa., assignor to one-half to C. M. Linthicum, Baltimore, Md. Apparatus for making briquets. No. 906,430; Dec. 8; Sp. p. 2555; Gaz. vol. 137; p. 1440.
 Ivery, J. W., Dillsburg, Pa., and C. M. Linthicum, Sudbrook Park, Md. Waterproofing material for artificial fuel. No. 889,611; June 2; Sp. p. 830; Gaz. vol. 134; p. 1192.
 Ivery, J. W., Dillsburg, Pa., and C. M. Linthicum, Sudbrook Park, Md. Artificial fuel. No. 889,612; June 2; Sp. p. 831; Gaz. vol. 134; p. 1193.
 Ives, E. F., Wallingford, Conn. Jar-wrench. No. 876,001; Jan. 7; Sp. p. 609; Dr. p. 130; Gaz. vol. 132; p. 106.
 Ives, E. R., assignor to Ives Manufacturing Corporation, Bridgeport, Conn. Toy trolley-railway. No. 892,665; July 7; Sp. p. 531; Dr. p. 112; Gaz. vol. 135; p. 94.
 Ives, F. E., Weehawken, N. J. Diffraction chromoscope. No. 898,369; Sept. 8; Sp. p. 2276; Dr. p. 484; Gaz. vol. 136; p. 395.
 Ives, F. E., Woodcliffe-on-Hudson, N. J. Color-meter. No. 894,654; July 28; Sp. p. 4737; Dr. p. 984; Gaz. vol. 135; p. 826.
 Ives, F. E., Woodcliffe-on-Hudson, N. J. Self-playing piano. No. 901,906; Oct. 20; Sp. p. 3835; Dr. p. 781; Gaz. vol. 136; p. 1736.
 Ives, H. A., and D. W. Jeffery, Colchester, England. Safety device for brooches and the like. No. 891,996; June 30; Sp. p. 5729; Dr. p. 1232; Gaz. vol. 134; p. 2096.
 Ives, H. C., Bridgeport, Conn. Toy-railway crossover. No. 892,666; July 7; Sp. p. 533; Dr. p. 113; Gaz. vol. 135; p. 94.
 Ives, J. (See Lyman and Ives.)
 Ives Manufacturing Corporation. (See Hotchkiss, C. A., assignor.)
 Ives Manufacturing Corporation. (See Ives, E. R., assignor.)
 Ivey, H. T. (See Jackson, W. H., assignor.)
 Ivey, J. W., Booneville, Ark. Safety-stirrup. No. 908,265; Dec. 29; Sp. p. 6282; Gaz. vol. 137; p. 2131.
 Ivins, Dietz & Metzger Company. (See Rochelle, F. W., assignor.)
 Ivory, E. E., Hadley, Mich. Stone-separator. No. 905,878; Dec. 8; Sp. p. 1517; Gaz. vol. 137; p. 1262.
 Ivory, J. W. (See Sausser, E. R., assignor.)
 Ivory, J. W., Philadelphia, Pa. Anterior matrix-clamp. No. 887,478; May 12; Sp. p. 2352; Dr. p. 494; Gaz. vol. 134; p. 404.
 Iwan, A., New York, N. Y. Game apparatus. No. 879,469; Feb. 18; Sp. p. 3244; Dr. p. 675; Gaz. vol. 132; p. 1437.
 Iwanami, T., Washington, D. C. Flexible receptacle. No. 890,771; June 16; Sp. p. 3220; Dr. p. 703; Gaz. vol. 134; p. 1631.
 Izer, E. E., Pomona, Cal. Water-gate. No. 881,692; Mar. 10; Sp. p. 2377; Dr. p. 515; Gaz. vol. 133; p. 427.
 J. Basler & Cie. (See Bischoer and Baselli, assignors.)
 J. Hopkinson & Co. (See Hopkinson and Kilburn, assignors.)
 J. A. Fay & Egan Company. (See Robinson and Hanhart, assignors.)
 J. A. Fay & Egan Company. (See Thomas, J. R., assignor.)
 J. A. Fay & Egan Company. (See Thomas and Meyers, assignors.)
 J. B. Colt Company. (See Goodyear, N., assignor.)
 J. B. Timberlake & Sons. (See Timberlake, J. B., assignor.)
 J. B. Timberlake & Sons. (See Timberlake, P. J., assignor.)
 J. B. Timberlake & Sons. (See Twitchell, J. E., assignor.)
 J. & C. Fischer. (See Mayer, J. T., assignor.)
 J. C. Prims Machinery Company. (See Prims, J. C., assignor.)
 J. E. Greilick Company. (See Greilick, C. L., assignor.)
 J. E. Mergott Company. (See Hering and Fuller, assignors.)
 J. E. Porter Company. (See Burkholder, J. H., assignor.)
 J. F. Blanchard Co. (See Goddard, A. C., assignor.)
 J. G. Brill Company. (See Adams, W. S., assignor.)
 J. G. Brill Company. (See Bole, S. T., assignor.)
 J. G. Brill Company. (See Bucknam, E. S., assignor.)
 J. G. Brill Company. (See Curwen, S. M., assignor.)
 J. G. Brill Company. (See Curwen and Smith, assignors.)
 J. G. Brill Company. (See Edwards, O. E., Jr., assignor.)
 J. G. Brill Company. (See Heulings, W. H., assignor.)
 J. G. Brill Company. (See Heulings and Smith, assignors.)
 J. G. Brill Company. (See Howson, H., assignor.)
 J. G. Brill Company. (See Pickles, C. K., assignor.)
 J. G. Brill Company. (See Pyott, L. T., assignor.)
 J. G. Brill Company. (See Senter, R. T., assignor.)
 J. G. Brill Company. (See Smith and Curwen, assignors.)
 J. H. Williams & Co. (See Amborn, G., assignor.)
 J. I. Case Plow Works. (See Michael, C. W., assignor.)
 J. I. Case Threshing Machine Company. (See Berry, I. G., assignor.)
 J. I. Case Threshing Machine Company. (See MacGregor, W. F., assignor.)
 J. I. Case Threshing Machine Company. (See Power, J. J., assignor.)
 J. J. Bamberger & Co. (See Harford, T. J., assignor.)
 J. L. Pilling Company. (See Pilling, J. L., assignor.)
 J. M. Robinson Manufacturing Company. (See Frey, C. N., assignor.)
 J. P. Karas Tunneling Machine Co. (See Karns, J. P., assignor.)
 J. R. Alsing Engineering Co. (See Abbe, R. F., assignor.)
 J. R. Wood & Sons. (See Henrich, H., assignor.)
 J. R. Wood & Sons. (See Wood, R. L., assignor.)
 J. S. McDonald Company. (See Wiedman, H., assignor.)
 J. W. Bishop Company. (See Bishop, J. W., Jr., assignor.)
 J. W. Paxson Company. (See Hall, F. W., assignor.)
 J. W. Ringrose Net Company. (See Coleman, R. F., assignor.)
 J. W. Sefton Manufacturing Company. (See Ferres, J. T., assignor.)
 J. W. Sefton Manufacturing Company. (See Ferres and Fairchild, assignors.)
 J. W. Sefton Manufacturing Company. (See Hollett, I. W., assignor.)
 J. W. Sefton Manufacturing Company. (See Reber, J. G., assignor.)
 Jaap, T., Belt, Mont. Heating and ventilating device. No. 894,655; July 28; Sp. p. 4741; Dr. p. 984; Gaz. vol. 135; p. 827.
 Jablonsky, E. A., New York, N. Y. Pipe or tube cleaner. No. 886,217; Apr. 28; Sp. p. 5221; Dr. p. 1100; Gaz. vol. 133; p. 2109.
 Jack, J. R., New York, N. Y., assignor to H. W. Johns-Manville Company. Angle-piece of laminated material. No. 906,233; Dec. 8; Sp. p. 2202; Gaz. vol. 137; p. 1377.
 Jackman, E. A., Hartington, Nebr. Dental plate. No. 884,159; Apr. 7; Sp. p. 1042; Dr. p. 217; Gaz. vol. 133; p. 1352.
 Jackman, S. E., New York, N. Y. Switch for pleasure-railways. No. 881,000; Mar. 3; Sp. p. 1022; Dr. p. 221; Gaz. vol. 133; p. 174.
 Jackson, A., Riverside, Ill. Garden-tool. No. 908,266; Dec. 29; Sp. p. 6283; Gaz. vol. 137; p. 2132.
 Jackson, A. C., New Market, Iowa. Cloth-measuring machine. No. 891,075; June 16; Sp. p. 3827; Dr. pp. 835-6; Gaz. vol. 134; p. 1730.
 Jackson, A. C., assignor to Miller Lock Co., Philadelphia, Pa. Brass-melting furnace. No. 907,603; Dec. 22; Sp. p. 4865; Gaz. vol. 137; p. 1882.
 Jackson, A. G., Philadelphia, Pa. Newspaper-selling machine. No. 897,744; Sept. 1; Sp. p. 1014; Dr. p. 215; Gaz. vol. 136; p. 164.
 Jackson, A. J., Ashton-on-Mersey, England. Weft-replenishing loom. No. 878,531; Feb. 11; Sp. p. 1357; Dr. pp. 276-7; Gaz. vol. 132; p. 1092.
 Jackson, A. M., Schenectady, N. Y., assignor to General Electric Company. Exhausting vapor conductors. No. 881,588; Mar. 10; Sp. p. 2177; Dr. p. 474; Gaz. vol. 133; p. 396.
 Jackson, A. M., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 887,642; May 12; Sp. p. 2664; Dr. p. 562; Gaz. vol. 134; p. 458.
 Jackson, B. A. (See Dunn, H. T., assignor.)
 Jackson, C. E., Bushnell, Ill. Reamer. No. 906,432; Dec. 8; Sp. p. 2558; Gaz. vol. 137; p. 1440.
 Jackson, C. L., assignor to H. C. Wagner, Sandusky, Ohio. Packet-tying device. No. 895,403; Aug. 4; Sp. p. 1248; Dr. p. 264; Gaz. vol. 135; p. 1103.
 Jackson, C. L., Sandusky, and E. N. Loy, Tippecanoe City, Ohio. Prison-bar. No. 886,129; Apr. 28; Sp. p. 5078; Dr. p. 1065; Gaz. vol. 133; p. 2082.
 Jackson, C. W., and W. A. McVicker, Reidsville, N. C. Traveler-ring for spinning-machines. No. 877,084; Jan. 21; Sp. p. 2874; Dr. pp. 620-1; Gaz. vol. 132; p. 536.
 Jackson, D. C. (See Jackson, W. B., assignor.)
 Jackson, E. H., *et al.*, trustees. (See Cahill, T., assignor.)

Alphabetical list of patentees—Continued.

- Jackson, F., New York, N. Y. Floor-joint for soil-pipes. No. 879,176; Feb. 18; Sp. p. 2649; Dr. p. 552; Gaz. vol. 132; p. 1342.
- Jackson, F., Denver, Colo. Folding shield for automobiles and other vehicles. No. 894,271; July 28; Sp. p. 3974; Dr. pp. 819-20; Gaz. vol. 135; p. 701.
- Jackson, F. H. (See Kerr, W. F., assignor.)
- Jackson, F. H., assignor to Byron Jackson Iron Works, West Berkeley, Cal. Apparatus for submarine operations. No. 901,104; Oct. 13; Sp. p. 2171; Dr. pp. 441-2; Gaz. vol. 136; p. 1437.
- Jackson, F. H., Berkeley, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Suction-dredge or the like. No. 906,234; Dec. 8; Sp. p. 2204; Gaz. vol. 137; p. 1377.
- Jackson, F. M., Kansas City, Mo. Window-front construction. No. 897,372; Sept. 1; Sp. p. 267; Dr. p. 55; Gaz. vol. 136; p. 40.
- Jackson, G. E., Newark, Ill. Folding coop. No. 883,405; Mar. 31; Sp. p. 5837; Dr. p. 1244; Gaz. vol. 133; p. 1079.
- Jackson, G. E., Newark, Ill. Folding egg crate or case. No. 883,406; Mar. 31; Sp. p. 5839; Dr. p. 1245; Gaz. vol. 133; p. 1079.
- Jackson, G. W., Chicago, Ill. Metallic sheet-piling, (driving-point.) No. 878,141; Feb. 4; Sp. p. 488; Dr. p. 105; Gaz. vol. 132; p. 929.
- Jackson, G. W., Chicago, Ill. Metal sheet-piling. No. 888,899; May 26; Sp. p. 5212; Dr. p. 1105; Gaz. vol. 134; p. 933.
- Jackson, G. W., Chicago, Ill. Apparatus for handling loose materials. No. 888,900; May 26; Sp. p. 5214; Dr. p. 1106; Gaz. vol. 134; p. 933.
- Jackson, G. W., Chicago, Ill. Machine for excavating tunnels. No. 889,464; June 2; Sp. p. 554; Dr. pp. 130-1; Gaz. vol. 134; p. 1146.
- Jackson, G. W., Chicago, Ill. Excavating-machine and the like. No. 892,056; June 30; Sp. p. 5838; Dr. p. 1256; Gaz. vol. 134; p. 2115.
- Jackson, G. W., Chicago, Ill. Tunnel and subway. No. 899,735; Sept. 29; Sp. p. 4934; Dr. pp. 1058-9; Gaz. vol. 136; p. 932.
- Jackson, G. W. and J. H., Cairo, Ill. Cotton-picker. No. 901,619; Oct. 20; Sp. p. 3245; Dr. pp. 665-6; Gaz. vol. 136; p. 1642.
- Jackson, H. A., Fremont, Iowa. Carriersystem. No. 903,382; Nov. 10; Sp. p. 1683; Gaz. vol. 137; p. 308.
- Jackson, H. A., Lynn, and F. W. Roberts, assignors to Robert L. Walker Furnace Company, Boston, Mass. Smoke-consuming furnace. No. 905,321; Dec. 1; Sp. p. 368; Gaz. vol. 137; p. 1047.
- Jackson, I. (See Bull and Jackson.)
- Jackson, J., Gregory, Mich. Vehicle-wheel tire. No. 876,191; Jan. 7; Sp. p. 979; Dr. p. 211; Gaz. vol. 132; p. 166.
- Jackson, J., assignor to Howard & Bullough American Machine Company, Limited, Pawtucket, R. I. Spinning-machine. No. 902,882; Nov. 3; Sp. p. 720; Gaz. vol. 137; p. 119.
- Jackson, J. A., Ithaca, N. Y. Automatic railway-switch. No. 880,536; Mar. 3; Sp. p. 77; Dr. p. 19; Gaz. vol. 133; p. 17.
- Jackson, J. A., Moweaqua, Ill. Wrench. No. 887,643; May 12; Sp. p. 2666; Dr. p. 562; Gaz. vol. 134; p. 459.
- Jackson, J. B., Meridian, Miss. Thill-coupling. No. 905,536; Dec. 1; Sp. p. 864; Gaz. vol. 137; p. 1121.
- Jackson, J. F., Houghton, Mich. Dam. No. 902,733; Nov. 3; Sp. p. 400; Gaz. vol. 137; p. 69.
- Jackson, J. H. (See Jackson, G. W. and J. H.)
- Jackson, J. H., Denison, Tex. Baling-press attachment. No. 882,469; Mar. 17; Sp. p. 3921; Dr. p. 839; Gaz. vol. 133; p. 709.
- Jackson, J. H., Hamilton, Ontario, Canada. Type-writing machine. No. 885,346; Apr. 21; Sp. p. 3468; Dr. p. 722; Gaz. vol. 133; p. 1800.
- Jackson, J. H., Hamilton, Ontario, Canada. Type-writing machine. No. 900,931; Oct. 13; Sp. p. 1839; Dr. pp. 374-5; Gaz. vol. 136; p. 1382.
- Jackson, J. H., Watonga, Okla. Electric switch-register. No. 894,326; July 28; Sp. p. 4086; Dr. p. 844; Gaz. vol. 135; p. 720.
- Jackson, J. H., Blaydon-on-Tyne, England. Machine for forming or molding and lidding pies and the like. No. 898,478; Sept. 5; Sp. p. 2499; Dr. p. 535; Gaz. vol. 136; p. 462.
- Jackson, J. H., assignor to forty-nine one-hundredths to K. H. Butler, Pittsburg, Pa. Wall-tie. No. 900,377; Oct. 6; Sp. p. 646; Dr. p. 133; Gaz. vol. 136; p. 1173.
- Jackson, J. T., Texarkana, Tex. Computing-machine. No. 893,628; July 21; Sp. p. 2541; Dr. p. 530; Gaz. vol. 135; p. 468.
- Jackson, L. D., Harrington, Del. Can-opener. No. 883,313; Mar. 31; Sp. p. 5634; Dr. p. 1201; Gaz. vol. 133; p. 1049.
- Jackson, L. L., Rockwall, Tex. Combined disk harrow and land-roller. No. 887,810; May 19; Sp. p. 3005; Dr. p. 632; Gaz. vol. 134; p. 545.
- Jackson, M. B., Hamiota, Manitoba, Canada. Trousers-stretcher. No. 889,014; May 26; Sp. p. 5421; Dr. p. 1152; Gaz. vol. 134; p. 968.
- Jackson, M. P. (See Beusse and Jackson.)
- Jackson, M. P., and A. D. Maxwell, Montezuma, Ga. Machine for loading cotton. No. 902,410; Oct. 27; Sp. p. 4888; Dr. pp. 989-90; Gaz. vol. 136; p. 1929.
- Jackson, P. C., Lometa, Tex. Hay-rack. No. 884,334; Apr. 7; Sp. p. 1335; Dr. p. 284; Gaz. vol. 133; p. 1407.
- Jackson, P. H., East Oakland, Cal. Building construction. No. 900,378; Oct. 6; Sp. p. 647; Dr. p. 133; Gaz. vol. 136; p. 1173.
- Jackson Printing Press Company. (See Cox, P. F., assignor.)
- Jackson, R. H. (See Tarn, T. R., assignor.)
- Jackson, R. P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controlling means for pneumatically operated devices. No. 879,267; Feb. 18; Sp. p. 2813; Dr. p. 589; Gaz. vol. 132; p. 1371.
- Jackson, R. P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical apparatus. No. 888,901; May 26; Sp. p. 5218; Dr. p. 1106; Gaz. vol. 134; p. 933.
- Jackson, R. P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. No. 903,193; Nov. 10; Sp. p. 1315; Gaz. vol. 137; p. 246.
- Jackson, S. A., Kittery, Me. Sail-hank. No. 900,737; Oct. 13; Sp. p. 1425; Dr. p. 289; Gaz. vol. 136; p. 1319.
- Jackson, S. W., Dillon, S. C. Cotton-chopper. No. 878,066; Feb. 4; Sp. p. 358; Dr. pp. 73-74; Gaz. vol. 132; p. 906.
- Jackson, T. J., Pine Ridge, S. D. Reservoir. No. 882,761; Mar. 24; Sp. p. 4512; Dr. p. 962; Gaz. vol. 133; p. 838.
- Jackson, W. (See Askell, Jackson, and Pietila.)
- Jackson, W. B., assignor to himself and D. C. Jackson, Madison, Wis. Controlling system. No. 887,252; May 12; Sp. p. 1816; Dr. pp. 384-5; Gaz. vol. 134; p. 326.
- Jackson, W. B., assignor to himself and D. C. Jackson, Madison, Wis. Valve-operating mechanism. No. 887,253; May 12; Sp. p. 1820; Dr. p. 385; Gaz. vol. 134; p. 326.
- Jackson, W. H. (See Ward, W. J., assignor.)
- Jackson, W. H., assignor of one-half to H. T. Ivey, Ante, Va. Plow. No. 891,261; June 23; Sp. p. 4200; Dr. p. 919; Gaz. vol. 134; p. 1822.
- Jackson, W. S., Detroit, Mich. Reversible magazine for stoves. No. 877,342; Jan. 21; Sp. p. 3403; Dr. p. 738; Gaz. vol. 132; p. 621.
- Jacob, B., New Rochelle, N. Y. Combined carpenter's tool. No. 883,112; Mar. 24; Sp. p. 5198; Dr. pp. 1110-11; Gaz. vol. 133; p. 953.
- Jacob, B., New Rochelle, N. Y. Buckle. No. 906,235; Dec. 8; Sp. p. 2205; Gaz. vol. 137; p. 1377.
- Jacob, F. M., Columbus, Miss. Extension service-box. No. 906,886; Dec. 15; Sp. p. 3427; Gaz. vol. 137; p. 1610.
- Jacob, G. H., and J. L. Hagadorn, Detroit, Mich. Electrical connection. No. 886,811; May 5; Sp. p. 977; Dr. p. 205; Gaz. vol. 134; p. 159.
- Jacob, H., Steglitz, near Berlin, Germany, assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Instrument for optically measuring distances. No. 881,127; Mar. 10; Sp. p. 1266; Dr. p. 273; Gaz. vol. 133; p. 245.
- Jacob, H., assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Mounting of sighting-telescopes. No. 881,590; Mar. 10; Sp. p. 2180; Dr. p. 475; Gaz. vol. 133; p. 396.
- Jacob, H., Steglitz, near Berlin, Germany, assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Panoramic telescope. No. 882,762; Mar. 24; Sp. p. 4513; Dr. p. 962; Gaz. vol. 133; p. 838.
- Jacob, H., Steglitz, near Berlin, assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Angle-measuring instrument with telescope. No. 892,731; July 7; Sp. p. 667; Dr. p. 141; Gaz. vol. 135; p. 115.
- Jacob, H., Steglitz, assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Prismatic double telescope. No. 898,653; Sept. 15; Sp. p. 2851; Dr. p. 609; Gaz. vol. 136; p. 519.
- Jacob, H., Steglitz, assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Prism-telescope and similar prism-carrying device and means for adjusting the prisms. No. 904,066; Nov. 17; Sp. p. 3106; Gaz. vol. 137; p. 564.
- Jacob, H., Steglitz, near Berlin, assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Sighting-telescope for arms and arm with sighting-telescope. No. 907,366; Dec. 22; Sp. p. 4371; Gaz. vol. 137; p. 1803.
- Jacob, H., assignor of one-half to Gulf Manufacturing Co., Ltd., New Orleans, La. Can-seaming machine. No. 908,102; Dec. 29; Sp. p. 5927; Gaz. vol. 137; p. 2076.
- Jacob Haish Company. (See Westerberg, A., assignor.)
- Jacob, T. N., East St. Louis, Ill. Rail-support. No. 904,438; Nov. 17; Sp. p. 3892; Gaz. vol. 137; p. 691.
- Jacobi, H. (See Wedeking, W. M., assignor.)
- Jacobowsky, M., et al. (See McKee, W., assignor.)
- Jacobs, A. E., Cleveland, Ohio. Toy bank. No. 881,589; Mar. 10; Sp. p. 2179; Dr. p. 475; Gaz. vol. 133; p. 396.
- Jacobs, A. E., Lancaster, Pa. Pneumatic eye-protector. No. 897,290; Sept. 1; Sp. p. 45; Dr. p. 11; Gaz. vol. 136; p. 11.
- Jacobs, A. M. (See Huber, A., assignor.)
- Jacobs, C. B., Port Chester, assignor of one-half to H. R. Bishop, New York, N. Y. Making barium oxid. No. 886,607; May 5; Sp. p. 524; Gaz. vol. 134; p. 93.
- Jacobs, C. C., assignor to F. C. Austin Drainage Excavator Company, Chicago, Ill. Excavator. No. 885,756; Apr. 28; Sp. p. 4300; Dr. pp. 900-1; Gaz. vol. 133; p. 1958.
- Jacobs, C. C., assignor to F. C. Austin Drainage Excavator Company, Chicago, Ill. Excavator. No. 885,757; Apr. 28; Sp. p. 4302; Dr. pp. 901-2; Gaz. vol. 133; p. 1959.

Alphabetical list of patentees—Continued.

- Jacobs, C. C., assignor to F. C. Austin Drainage Excavator Company, Chicago, Ill. Dredge. No. 890,909; June 16; Sp. p. 3482; Dr. pp. 763; Gaz. vol. 134; p. 1674.
- Jacobs, C. C., assignor to F. C. Austin Drainage Excavator Company, Chicago, Ill. Dumping mechanism for excavating-buckets. No. 906,139; Dec. 8; Sp. p. 2011; Gaz. vol. 137; p. 1344.
- Jacobs, C. F., assignor to Jacobs Welding Company, Chicago, Ill. Uniting metal pieces. (Reissue.) No. 12,784; Apr. 21; Sp. p. 4189; Dr. p. 877; Gaz. vol. 133; p. 1914.
- Jacobs, C. M., Reading, and W. J. Thorowgood, Wimbledon Park, England. Telephone-circuit. No. 879,643; Feb. 18; Sp. p. 3615; Dr. p. 756; Gaz. vol. 132; p. 1494.
- Jacobs, C. M., R. J. Insell, Reading, and E. A. B. Bowden, Hanwell, England. Signaling on railways. No. 883,026; Mar. 24; Sp. p. 5036; Dr. p. 1072; Gaz. vol. 133; p. 926.
- Jacobs, F. D., Paw Paw, Mich. Car-ventilating system. No. 901,010; Oct. 13; Sp. p. 1994; Dr. p. 405; Gaz. vol. 136; p. 1408.
- Jacobs, F. E., Washington, D. C. Smoke-preventing compound. No. 902,734; Nov. 3; Sp. p. 402; Gaz. vol. 137; p. 69.
- Jacobs, F. M., Waynesburg, assignor of one-half to W. G. Theurer, Washington, Pa. Tool for connecting up electric fuses. No. 887,644; May 12; Sp. p. 2667; Dr. p. 563; Gaz. vol. 134; p. 459.
- Jacobs, G. (See Trautman and Jacobs.)
- Jacobs, H. J., assignor to Buffalo Lounge Company, Buffalo, N. Y. Upholstered furniture. No. 880,738; Mar. 3; Sp. p. 504; Dr. p. 104; Gaz. vol. 133; p. 87.
- Jacobs, H. W., Topeka, Kans. Track-car and tool-driving machine. No. 891,700; June 23; Sp. p. 5121; Dr. pp. 1105-6; Gaz. vol. 134; p. 1967.
- Jacobs, H. W., Topeka, Kans. Machine for turning cranked axles. No. 899,536; Sept. 29; Sp. p. 4523; Dr. pp. 971-2; Gaz. vol. 136; p. 869.
- Jacobs, K. W., Milwaukee, Wis. Link connection for the ends of receptacle-hoops. No. 892,732; July 7; Sp. p. 669; Dr. p. 141; Gaz. vol. 135; p. 115.
- Jacobs, M., New York, N. Y. Bolt. No. 878,003; Feb. 4; Sp. p. 213; Dr. p. 47; Gaz. vol. 132; p. 885.
- Jacobs, M. B., *et al.*, trustees. (See Whitehorne, W. R., assignor.)
- Jacobs, V., *et al.* (See Chrusczyk, K., assignor.)
- Jacobs Welding Company. (See Jacobs, C. F., assignor.) (Reissue.)
- Jacobsen, J., Elsinore, Denmark. Apparatus for lighting and extinguishing gas-flames. No. 895,642; Aug. 11; Sp. p. 1725; Dr. pp. 365-6; Gaz. vol. 135; p. 1204.
- Jacobsen, J. N., assignor to International Wrapping Machine Company, Eureka, Cal. Butter-cutter. No. 903,981; Nov. 17; Sp. p. 2935; Gaz. vol. 137; p. 536.
- Jacobsen, J. N., assignor to International Wrapping Machine Company, Eureka, Cal. Butter-mold. No. 903,982; Nov. 17; Sp. p. 2938; Gaz. vol. 137; p. 536.
- Jacobsen, J. S., Harvey, Ill. Tank-heater. No. 903,983; Nov. 17; Sp. p. 2940; Gaz. vol. 137; p. 536.
- Jacobson, E. B., assignor to Pittsfield Spark Coil Company, Pittsfield, Mass. Magneto-electric machine. No. 885,255; Apr. 21; Sp. p. 3270; Dr. pp. 682-3; Gaz. vol. 133; p. 1769.
- Jacobson, E. B., assignor to Pittsfield Spark Coil Company, Pittsfield, Mass. High-tension magneto. No. 898,370; Sept. 8; Sp. p. 2279; Dr. pp. 484-5; Gaz. vol. 136; p. 395.
- Jacobson, F., Brooklyn, N. Y. Orthopedic apparatus. No. 896,114; Aug. 18; Sp. p. 2664; Dr. p. 575; Gaz. vol. 135; p. 1378.
- Jacobson, F., Chicago, Ill. Watchcase. No. 908,103; Dec. 29; Sp. p. 5929; Gaz. vol. 137; p. 2076.
- Jacobson, H. P., Brooklyn, N. Y. Pattern draft or chart. No. 894,207; July 28; Sp. p. 3831; Dr. p. 793; Gaz. vol. 135; p. 680.
- Jacobson, J., New York, N. Y., assignor, by mesne assignments, to Weave-Print Company. Transferring designs to cylindrical surfaces. No. 908,268; Dec. 29; Sp. p. 6287; Gaz. vol. 137; p. 2132.
- Jacobson, J., and J. Tooker, New York, N. Y., assignors, by mesne assignments, to Weave-Print Company. Machine for transferring designs. No. 908,267; Dec. 29; Sp. p. 6284; Gaz. vol. 137; p. 2132.
- Jacobson, O., assignor to Bankers Alarm-Protection Company, Chicago, Ill. Relay for burglar-alarm systems. No. 892,158; June 30; Sp. p. 6034; Dr. pp. 1297-8; Gaz. vol. 134; p. 2148.
- Jacobus, J. W., Great Neck, N. Y. Inkstand. No. 879,470; Feb. 18; Sp. p. 3245; Dr. p. 676; Gaz. vol. 132; p. 1437.
- Jacobus, J. W., Great Neck, N. Y. Inkstand. No. 895,464; Aug. 11; Sp. p. 1390; Dr. p. 292; Gaz. vol. 135; p. 1146.
- Jacoby, C. A., Chicago, Ill., assignor of two-thirds to M. Farrell and J. L. Fruin, New York, N. Y. Automatic sprinkling and fire-alarm system. No. 880,889; Mar. 3; Sp. p. 827; Dr. pp. 175-6; Gaz. vol. 133; p. 139.
- Jacoby, C. B., West Nanticoke, Pa. Cooking utensil. No. 905,879; Dec. 8; Sp. p. 1519; Gaz. vol. 137; p. 1263.
- Jacoby, E., assignor of one-half to M. C. Oster, New Britain, Conn. Support for shades, curtains, and the like. No. 903,475; Nov. 10; Sp. p. 1880; Gaz. vol. 137; p. 339.
- Jacoby, J. C., Ashland, Ohio. Bag-holder. No. 889,134; May 26; Sp. p. 5666; Dr. pp. 1199-1200; Gaz. vol. 134; p. 1006.
- Jadwin, C. C., Honesdale, Pa. Horn for reproducing natural tones. No. 903,575; Nov. 10; Sp. p. 2088; Gaz. vol. 137; p. 373.
- Jaekel, B. (See Herre and Jaekel.)
- Jaekel, B., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Yellowish-brown sulfur dye. No. 896,916; Aug. 25; Sp. p. 4318; Gaz. vol. 135; p. 1663.
- Jaeger, A., Philadelphia, Pa. Vending-machine. No. 898,371; Sept. 8; Sp. p. 2282; Dr. p. 485; Gaz. vol. 136; p. 396.
- Jaeger, C. H., New York, N. Y. Railway-car. No. 889,613; June 2; Sp. p. 832; Dr. p. 189; Gaz. vol. 134; p. 1193.
- Jaeger, C. H., Leipzig-Lindenu, Germany. Rotor for centrifugal pumps. No. 892,262; June 30; Sp. p. 6240; Dr. p. 1342; Gaz. vol. 134; p. 2184.
- Jaeger, G., Philadelphia, Pa. Clock. No. 898,742; Sept. 15; Sp. p. 3012; Dr. p. 645; Gaz. vol. 136; p. 547.
- Jaeger, H. J., New York, N. Y. Incandescent electric lamp. No. 905,703; Dec. 1; Sp. p. 1170; Gaz. vol. 137; p. 1173.
- Jaeger, J., Rutherford, N. J. Machine for molding blocks. No. 899,168; Sept. 22; Sp. p. 3809; Dr. pp. 815-16; Gaz. vol. 136; p. 715.
- Jaeger, O., Columbus, Ohio. Removable window construction. No. 907,367; Dec. 22; Sp. p. 4372; Gaz. vol. 137; p. 1803.
- Jaeger, O. F., Fond du Lac, Wis. Stamp-holder. No. 896,115; Aug. 18; Sp. p. 2667; Dr. pp. 575-6; Gaz. vol. 135; p. 1379.
- Jaegle, W. C., New York, assignor, by mesne assignments, to L. Opperman, Brooklyn, N. Y. Device for applying and removing cotter-pins. No. 895,404; Aug. 4; Sp. p. 1249; Dr. p. 264; Gaz. vol. 135; p. 1103.
- Jaenichen, L., assignor to Standard Computing Scale Co., Detroit, Mich. Weighing-scale. No. 901,297; Oct. 13; Sp. p. 2538; Dr. p. 522; Gaz. vol. 136; p. 1498.
- Jagelki, W., assignor to Dr. Degen & Kuth, Düren, Germany. Production of an organic soluble iron preparation. No. 902,234; Oct. 27; Sp. p. 4525; Gaz. vol. 136; p. 1870.
- Jagenberg, E., Dusseldorf, Germany. Machine for spinning paper strips. No. 891,545; June 23; Sp. p. 4786; Dr. p. 1035; Gaz. vol. 134; p. 1915.
- Jäger, B. M., Birkenhead, England. Filtering apparatus. No. 897,745; Sept. 1; Sp. p. 1015; Dr. p. 216; Gaz. vol. 136; p. 164.
- Jäger, C. (See Ris and Haager, assignors.)
- Jagers, R. B., Hot Springs, Ark., assignor of one-half to H. G. Fleming, Memphis, Tenn. Folding bed. No. 880,666; Mar. 3; Sp. p. 354; Dr. p. 78; Gaz. vol. 133; p. 62.
- Jahn, A., Berlin, Germany. Penholder. No. 878,004; Feb. 4; Sp. p. 216; Dr. p. 47; Gaz. vol. 132; p. 886.
- Jahnel, J., Dittersbach, and B. Grohmann, Ostritz, Germany. Carrying attachment for bicycles. No. 903,290; Nov. 10; Sp. p. 1511; Gaz. vol. 137; p. 279.
- Jahns, F., von der Heydt, near Saarbrücken, Germany. Making producer-gas. No. 885,480; Apr. 21; Sp. p. 3711; Dr. p. 780; Gaz. vol. 133; p. 1842.
- Jahr, G., Berlin, Germany. Receiver arrangement for wireless telegraphy. No. 905,537; Dec. 1; Sp. p. 866; Gaz. vol. 137; p. 1121.
- Jahraus, E. M., Dayton, Ohio. Ore-concentrator. No. 879,104; Feb. 11; Sp. p. 2488; Dr. p. 519; Gaz. vol. 134; p. 1276.
- Jaillet, J., Mâcon, and L. J. Tussau, Lyon, France. Ventilating-hatband. No. 888,902; May 26; Sp. p. 5219; Dr. p. 1107; Gaz. vol. 134; p. 934.
- Jakobsson, H. G. (See Meigs and Jakobsson.)
- Jakobsson, H. G., Bethlehem, Pa. Coin sorting and counting machine. No. 875,712; Jan. 7; Sp. p. 67; Dr. p. 14; Gaz. vol. 132; p. 15.
- James, A. (See Crush, H. P., assignor.)
- James, C. (See Roberts and James.)
- James, C. Y. (See Dougherty and James.)
- James Cunningham, Son & Co. (See Heckman, C. E., assignor.)
- James, E. B., Cordele, assignor of one-half to J. Gribben, Thomasville, Ga. Plow. No. 894,384; July 28; Sp. p. 4202; Dr. p. 867; Gaz. vol. 135; p. 739.
- James, F., Mitchell, S. D. Desk attachment for chairs. No. 889,526; June 2; Sp. p. 674; Dr. p. 155; Gaz. vol. 134; p. 1165.
- James, F., Mitchell, S. D. Shock-gatherer. No. 889,527; June 2; Sp. p. 676; Dr. p. 156; Gaz. vol. 134; p. 1165.
- James, F. R., London, England. Receptacle or container for semifluid or other like substances. No. 876,968; Jan. 21; Sp. p. 2634; Dr. pp. 571-2; Gaz. vol. 132; p. 497.
- James, H., Rush Springs, Okla. Churn. No. 883,027; Mar. 24; Sp. p. 5037; Dr. p. 1073; Gaz. vol. 133; p. 925.

Alphabetical list of patentees—Continued.

- James, H. D., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controlling system for electric motors. No. 882,639; Mar. 24; Sp. p. 4270; Dr. p. 905; Gaz. vol. 133; p. 798.
- James, H. D., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical control system. No. 882,687; Mar. 24; Sp. p. 4365; Dr. p. 929; Gaz. vol. 133; p. 815.
- James, H. D., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controller for electric motors. No. 883,200; Mar. 31; Sp. p. 5398; Dr. pp. 1149-50; Gaz. vol. 133; p. 1012.
- James, H. D., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for electric motors. No. 888,903; May 26; Sp. p. 5221; Dr. pp. 1107-8; Gaz. vol. 134; p. 934.
- James, H. D., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electric-motor control. No. 888,904; May 26; Sp. p. 5223; Dr. p. 1108; Gaz. vol. 134; p. 934.
- James, H. D., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electric-motor control. No. 892,429; July 7; Sp. p. 71; Dr. p. 17; Gaz. vol. 135; p. 16.
- James, H. D., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. No. 892,841; July 7; Sp. p. 896; Dr. p. 191; Gaz. vol. 135; p. 151.
- James, H. D., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Contact member. No. 896,210; Aug. 18; Sp. p. 2834; Dr. p. 611; Gaz. vol. 135; p. 1409.
- James, H. F., Franklin, Pa. Combination gin and transport. No. 892,733; July 7; Sp. p. 670; Dr. p. 142; Gaz. vol. 135; p. 116.
- James Iieekin Compnv. (See White, A. E., assignor.)
- James, J., assignor of one-third to G. H. Rash, Oklahoma, Okla. Grain-shock elevator. No. 892,960; July 7; Sp. p. 1144; Dr. pp. 240-1; Gaz. vol. 135; p. 192.
- James, J. S., Hiawatha, Kans. Agitator for washing-machines. No. 900,547; Oct. 6; Sp. p. 1024; Dr. p. 248; Gaz. vol. 136; p. 1230.
- James L. Howard & Company. (See Howard, C. P. and F. E., assignors.)
- James Ore Concentrator Company. (See James, U. S., assignor.)
- James, T., Morriston, assignor to G. Thomas, Court Herbert, and D. Matthews, Morriston, England. Automatic plate-carrier for use in the manufacture of tin andterne plates. No. 895,024; Aug. 4; Sp. p. 310; Dr. pp. 102-3; Gaz. vol. 135; p. 977.
- James, U. S., assignor to James Ore Concentrator Company, Newark, N. J. Mechanical movement. No. 896,547; Aug. 18; Sp. p. 3530; Dr. p. 758; Gaz. vol. 135; p. 1519.
- James, U. S., Newark, N. J., assignor to James Ore Concentrator Co. Ore-concentrator. No. 906,433; Dec. 8; Sp. p. 2560; Gaz. vol. 137; p. 1440.
- James, W. D., Wales, Wis. Combined cattle stall and manger. No. 899,829; Sept. 29; Sp. p. 5142; Dr. p. 1100; Gaz. vol. 136; p. 965.
- James, W. F., and W. T. Deacon, Velasco, Tex. Rowing appliance. No. 895,863; Aug. 11; Sp. p. 2182; Dr. p. 464; Gaz. vol. 135; p. 1276.
- James, W. P. (See Thompson, G. A., assignor.)
- Jameson, C. B., Mansfield, Ohio. Making waterproof wood-pulp or jute boards and the products thereof. No. 889,235; June 2; Sp. p. 87; Dr. p. 20; Gaz. vol. 134; p. 1072.
- Jameson, S. W., Oskaloosa, Iowa. Packing-joint for radiators. No. 880,217; Feb. 25; Sp. p. 4809; Dr. p. 1018; Gaz. vol. 132; p. 1715.
- Jameson, W. M., Cambridge, Mass. Device for forming wire hat-frames. No. 884,588; Apr. 14; Sp. p. 1856; Dr. p. 399; Gaz. vol. 133; p. 1519.
- Jamestown Lounge Company. (See Greenlund, A. H., assignor.)
- Jamieson, F. C., Montreal, Quebec, Canada. Tag and label printing press. No. 876,646; Jan. 14; Sp. p. 1989; Dr. pp. 432-3; Gaz. vol. 132; p. 353.
- Jamieson, J., Hamilton, Ontario, Canada. Shelf-grating for stoves, &c. No. 879,268; Feb. 18; Sp. p. 2815; Dr. p. 590; Gaz. vol. 132; p. 1372.
- Jamison, A. P. (See Lewis and Jamison.)
- Jamison, J. E., Cadiz, Ohio. Sack-tie. No. 905,880; Dec. 8; Sp. p. 1520; Gaz. vol. 137; p. 1263.
- Jamison, S. S., Saltsburg, Pa. Canal-lock. No. 882,501; Mar. 17; Sp. p. 3973; Dr. p. 849; Gaz. vol. 133; p. 719.
- Jamison, W. H. (See Reeves, C., assignor.)
- Jamnitzky, P., Conemaugh, Pa. Safety device for vessels. No. 893,324; July 14; Sp. p. 1884; Dr. p. 394; Gaz. vol. 135; p. 339.
- Jandus Electric Company. (See Stove, B. A., assignor.)
- Janeček, F., Karlin, near Prague, Austria-Hungary. Electrode for arc-lamps. No. 903,383; Nov. 10; Sp. p. 1685; Gaz. vol. 137; p. 308.
- Janes, G. J. L., and J. J. Lanzit, Chicago, Ill. Package for ice-cream and the like. No. 892,159; June 30; Sp. p. 6036; Dr. p. 1208; Gaz. vol. 134; p. 2149.
- Janes, H. E., assignor, by mesne assignments, to Janes & Kirtland, New York, N. Y. Oven for ranges. No. 889,236; June 2; Sp. p. 88; Dr. p. 20; Gaz. vol. 134; p. 1072.
- Janes & Kirtland. (See Janes, H. E., assignor.)
- Janes, S. E., et al. (See Stewart, S., assignor.)
- Janesville Machine Company. (See Macphail, J., assignor.)
- Janeway, J. L., Walnut Hill, Pa. Tool. No. 888,710; May 26; Sp. p. 4791; Dr. p. 1020; Gaz. vol. 134; p. 870.
- Janicke, H. W., Augusta, Kans. Egg-carton. No. 882,688; Mar. 24; Sp. p. 4367; Dr. p. 929; Gaz. vol. 133; p. 815.
- Janin, A. (See Janin, A. S., assignor.)
- Janin, A. S., assignor of one-third to A. Janin, New York, N. Y. Trolley. No. 889,015; May 26; Sp. p. 5422; Dr. p. 1152; Gaz. vol. 134; p. 968.
- Janin, A. S., New York, assignor of one-third to A. Janin, Brooklyn, N. Y. Trolley. No. 895,864; Aug. 11; Sp. p. 2183; Dr. pp. 464-5; Gaz. vol. 135; p. 1276.
- Janisch, L., Berlin, Germany, assignor to General Electric Company. Control system for motor-driven reciprocating devices. No. 896,993; Aug. 25; Sp. p. 4477; Dr. pp. 956-7; Gaz. vol. 135; p. 1638.
- Janisch, L., and W. Naumann, Berlin, Germany, assignors to General Electric Company. System of motor control. No. 897,538; Sept. 1; Sp. p. 615; Dr. p. 128; Gaz. vol. 136; p. 96.
- Janitzky, E., Pymble, near Sydney, New South Wales, Australia. Preserving. No. 876,806; Jan. 14; Sp. p. 2263; Gaz. vol. 132; p. 402.
- Jankelowitz, H., Gera, Germany. Antiseptic lining of talking and hearing tubes for telephones. No. 887,645; May 12; Sp. p. 2668; Dr. p. 563; Gaz. vol. 134; p. 459.
- Jannell, L. D., Rumford Falls, Me. Bob-sled. No. 888,888; May 26; Sp. p. 5188; Dr. p. 1101; Gaz. vol. 134; p. 929.
- Janney, F. G., Salt Lake City, Utah. Ore-concentrator. No. 892,057; June 30; Sp. p. 5440; Dr. p. 1256; Gaz. vol. 134; p. 2115.
- Janney, M. F., Wheatland, and J. Graham, Lincoln, Va. Grain-cleaning apparatus. No. 887,196; May 12; Sp. p. 1684; Dr. p. 358; Gaz. vol. 134; p. 309.
- Janney, R. E. L., Chicago, Ill., E. P. Kinney and W. E. Trump, Alliance, Ohio, assignors to American Steel Foundries. Car-coupling. No. 905,078; Nov. 24; Sp. p. 5222; Gaz. vol. 137; p. 932.
- Janni, A. C. R., St. Louis, Mo. Reinforcing-bar. No. 900,379; Oct. 6; Sp. p. 649; Dr. p. 133; Gaz. vol. 136; p. 1174.
- Janowitz, J., New York, N. Y. Makingstays. No. 896,022; Aug. 11; Sp. p. 2496; Dr. p. 537; Gaz. vol. 135; p. 1327.
- Jansen, A. Y., Chicago, Ill. Flash-light electrical alarm and bank and call clock. No. 882,320; Mar. 17; Sp. p. 3666; Dr. p. 778; Gaz. vol. 133; p. 661.
- Jansen, H., Chicago, Ill. Threading-tool. No. 881,406; Mar. 10; Sp. p. 1824; Dr. p. 395; Gaz. vol. 133; p. 335.
- Jansen, H., Schiedam, Netherlands. Means for locking the steering-heads of cycles. No. 903,476; Nov. 10; Sp. p. 1881; Gaz. vol. 137; p. 340.
- Janson, J., Lawrence, Mass. Paper-pulp-screen box. No. 899,169; Sept. 22; Sp. p. 3811; Dr. p. 816; Gaz. vol. 136; p. 715.
- Jansoone, L., New York, N. Y. Fire-escape. No. 896,548; Aug. 18; Sp. p. 3532; Dr. p. 759; Gaz. vol. 135; p. 1519.
- Janssen, T. A., and H. W. Moats, Sterling, Ill.; said Moats assignor to said Janssen. Machine for cutting and crimping pipes. No. 882,502; Mar. 17; Sp. p. 3975; Dr. p. 849; Gaz. vol. 133; p. 720.
- Japp, H., et al. (See Vandevort, F. F., assignor.)
- Jaques, C. A., et al. (See Grace, T., assignor.)
- Jaques, F. O., Jr., assignor to Winsor & Jerauld Manufacturing Company, Providence, R. I. Micrometer-calipers. No. 902,492; Oct. 27; Sp. p. 5085; Dr. p. 1030; Gaz. vol. 136; p. 1957.
- Jaques, F. O., Jr., assignor to Winsor & Jerauld Manufacturing Company, Providence, R. I. Micrometer-calipers. No. 902,493; Oct. 27; Sp. p. 5087; Dr. p. 1031; Gaz. vol. 136; p. 1958.
- Jaques, W. H. C. (See Thomas, M. E., assignor.)
- Jarboe, J. E., Red Cloud, Nebr. Loader. No. 890,061; June 9; Sp. p. 1741; Dr. pp. 385-6; Gaz. vol. 134; p. 1366.
- Jarboe, J. F., Chenault, Ky. Fertilizer. No. 897,624; Sept. 1; Sp. p. 785; Gaz. vol. 136; p. 124.
- Jarmolowsky, A., New York, N. Y. Gas-valve. No. 891,076; June 16; Sp. p. 3828; Dr. p. 836; Gaz. vol. 134; p. 1730.
- Jaros, L. A., Chicago, Ill. Device for illustrating the transposition of musical scales. No. 876,060; Jan. 7; Sp. p. 722; Dr. p. 154; Gaz. vol. 132; p. 125.
- Jaros, L. A., Chicago, Ill. Mechanical music-ladder for teaching notes. No. 887,811; May 19; Sp. p. 3006; Dr. p. 632; Gaz. vol. 134; p. 545.
- Jarrett, E. T., Chattanooga, Tenn. Sad-iron support. No. 907,501; Dec. 22; Sp. p. 4650; Gaz. vol. 137; p. 1849.
- Jarvies, T. B., Kansas City, Mo. Bath-tub-heating device. No. 882,689; Mar. 24; Sp. p. 4368; Dr. p. 930; Gaz. vol. 133; p. 815.

Alphabetical list of patentees—Continued.

- Jarvis, C. D., Winthrop, Mass., assignor to American Telephone and Telegraph Company. Electrical testing instrument. No. 896,300; Aug. 18; Sp. p. 3026; Dr. p. 651; Gaz. vol. 135; p. 1439.
- Jarvis, D. J. (See Wadkin and Jarvis.)
- Jarvis, D. J., Bissell, Wash. Hydraulic pump. No. 892,160; June 30; Sp. p. 6037; Dr. pp. 1298-9; Gaz. vol. 134; p. 2149.
- Jarvis, E. A., and I. N. Enyard, Fort Richmond, N. Y. Numbering device for writing-machines. No. 906,715; Dec. 15; Sp. p. 3082; Gaz. vol. 137; p. 1556.
- Jaubert, G. F., Paris, France. Propulsion of submarine boats. No. 881,803; Mar. 10; Sp. p. 2597; Dr. pp. 558-9; Gaz. vol. 133; p. 463.
- Jaubert, G. F., Paris, France. Manufacture of peroxid of potassium. No. 892,842; July 7; Sp. p. 897; Gaz. vol. 135; p. 152.
- Jaubert, G. F., Paris, France. Manufacture of peroxid of potassium. No. 897,980; Sept. 8; Sp. p. 1538; Dr. p. 327; Gaz. vol. 136; p. 272.
- Jauch, L., Springfield, Ohio. Knife-sharpener. No. 892,667; July 7; Sp. p. 535; Dr. p. 113; Gaz. vol. 135; p. 95.
- Javelet, A., New Orleans, La. Trace. No. 905,881; Dec. 8; Sp. p. 1520; Gaz. vol. 137; p. 1263.
- Javey, A., New York, N. Y. Cold-storage construction. No. 890,427; June 9; Sp. p. 2482; Dr. pp. 549-50; Gaz. vol. 134; p. 1485.
- Jay, A., Chicago, Ill. Furnace. No. 899,053; Sept. 22; Sp. p. 3573; Dr. pp. 765-6; Gaz. vol. 136; p. 675.
- Jay, W., Lowell, Mass. Shaving-brush. No. 894,834; Aug. 4; Sp. p. 70; Dr. p. 14; Gaz. vol. 135; p. 912.
- Jayne, F. A., Auburn, N. Y. Rotary engine. No. 902,883; Nov. 3; Sp. p. 722; Gaz. vol. 137; p. 119.
- Jeanmairat, P. E., Mount Carroll, Ill. Escapement-wheel. No. 898,479; Sept. 15; Sp. p. 2500; Dr. p. 535; Gaz. vol. 136; p. 463.
- Jeantet, M., St. Claude, France. Tobacco-pipe. No. 877,777; Jan. 28; Sp. p. 4262; Dr. p. 925; Gaz. vol. 132; p. 783.
- Jeavons, W. R., Cleveland, Ohio. Knockdown oven. No. 879,051; Feb. 11; Sp. p. 2369; Dr. p. 496; Gaz. vol. 132; p. 1259.
- Jeavons, W. R., Cleveland, Ohio. Burner. No. 906,887; Dec. 15; Sp. p. 3428; Gaz. vol. 137; p. 1610.
- Jeavons, W. R., Cleveland, Ohio. Burner. No. 906,888; Dec. 15; Sp. p. 3431; Gaz. vol. 137; p. 1611.
- Jebson, F. (See Kirkegaard and Jebson.)
- Jebson, F., Christiania, Norway. Capsule for bottles and the like. No. 907,808; Dec. 29; Sp. p. 5324; Gaz. vol. 137; p. 1980.
- Jecklin, J., and C. W. Schreiber, Dubuque, Iowa. Means for operating chucks. No. 900,856; Oct. 13; Sp. p. 1670; Dr. p. 338; Gaz. vol. 136; p. 1358.
- Jedel, A., New York, N. Y. Pyrotechnical toy. No. 888,810; May 26; Sp. p. 5020; Dr. p. 1070; Gaz. vol. 134; p. 902.
- Jedlicka, K., and A. Schedler, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Red tetrazo dye. No. 889,016; May 26; Sp. p. 5424; Gaz. vol. 134; p. 968.
- Jefferies, R. H., Kiowa, Kans. Automatic dump attachment for binders. No. 893,076; July 14; Sp. p. 1394; Dr. pp. 294-5; Gaz. vol. 135; p. 253.
- Jefferies, R. W., Merchantville, N. J. Locker-door. No. 894,504; July 28; Sp. p. 4441; Dr. p. 920; Gaz. vol. 135; p. 778.
- Jefferson, A. J., Lodi, Cal. Swingletree. No. 884,389; Apr. 14; Sp. p. 1462; Dr. p. 312; Gaz. vol. 133; p. 1455.
- Jefferson, E. M., Philadelphia, Pa. Device for applying counter-irritants. No. 884,160; Apr. 7; Sp. p. 1043; Dr. p. 217; Gaz. vol. 133; p. 1352.
- Jeffery, D. W. (See Ives and Jeffery.)
- Jeffery, J. A. (See Hibbard, M., assignor.)
- Jeffery, R. E., Piedmont, Cal. Wagon-wheel. No. 880,307; Feb. 25; Sp. p. 4986; Dr. p. 1072; Gaz. vol. 132; p. 1746.
- Jeffery, R. E., Piedmont, Cal. Detachable rim for automobile-tires. No. 895,762; Aug. 11; Sp. p. 1970; Dr. p. 417; Gaz. vol. 135; p. 1243.
- Jeffery, T. B. (See Symmonds, R., Jr., assignor.)
- Jeffery, T. B., Kenosha, Wis. Speed-controlling mechanism for automobiles. No. 889,528; June 2; Sp. p. 679; Dr. pp. 156-7; Gaz. vol. 134; p. 1165.
- Jeffery, T. B., Kenosha, Wis. Automobile. No. 899,537; Sept. 29; Sp. p. 4526; Dr. p. 972; Gaz. vol. 136; p. 869.
- Jeffery, T. B., Kenosha, Wis. Gearing. No. 900,857; Oct. 13; Sp. p. 1671; Dr. p. 338; Gaz. vol. 136; p. 1358.
- Jeffrey, H., Louisville, Ky. Nut-lock. No. 899,869; Sept. 29; Sp. p. 5237; Dr. p. 1119; Gaz. vol. 136; p. 978.
- Jeffrey, H., Louisville, Ky., assignor to Ohio Malleable Iron Company, Columbus, Ohio. (Reissue.) Wrench. No. 12,854; Sept. 15; Sp. p. 3514; Dr. p. 752; Gaz. vol. 136; p. 637.
- Jeffrey, J. A. (See Merrill, E. R., assignor.)
- Jeffrey, J. A. (See Osyor, D. N., assignor.)
- Jeffrey, J. R., Fairview, British Columbia, Canada. Current-motor. No. 899,987; Sept. 29; Sp. p. 5483; Dr. pp. 1167-8; Gaz. vol. 136; p. 1015.
- Jeffrey Manufacturing Company. (See Buftum, F. D., assignor.)
- Jeffrey Manufacturing Company. (See Evans and Tilley, assignors.)
- Jeffrey Manufacturing Company. (See Gustavsen, C. O., assignor.)
- Jeffrey Manufacturing Company. (See Holstein, P. W., assignor.)
- Jeffrey Manufacturing Company. (See Liggett, W. K., assignor.)
- Jeffrey Manufacturing Company. (See Lynch, G. E., assignor.)
- Jeffrey Manufacturing Company. (See Palmros, A., assignor.)
- Jeffrey Manufacturing Company. (See Palmros and Hopkins, assignors.)
- Jeffrey Manufacturing Company. (See Sessions, F. L., assignor.)
- Jeffrey Manufacturing Company. (See Slocum, J. C., assignor.)
- Jeffrey Manufacturing Company. (See Smith, W. L., assignor.)
- Jeffrey Manufacturing Company. (See Willson, F. R., Jr., assignor.)
- Jeffreys, C. A., East Rand, Transvaal. Hose-pipe coupling. No. 892,524; July 7; Sp. p. 263; Dr. p. 56; Gaz. vol. 135; p. 49.
- Jeffries, W. J., Oregon City, Oreg. Device for automatically opening and closing elevator-doors. No. 879,645; Feb. 18; Sp. p. 3617; Dr. p. 756; Gaz. vol. 132; p. 1494.
- Jeffries, W. J., and E. G. Skeels, Kalama, Wash. Swivel. No. 879,644; Feb. 18; Sp. p. 3616; Dr. p. 756; Gaz. vol. 132; p. 1494.
- Jelleff, C. C. (See Fecker and Jelleff.)
- Jelpo, N., Naples, Italy. Means for raising sunken vessels. No. 906,716; Dec. 15; Sp. p. 3089; Gaz. vol. 137; p. 1556.
- Jenckes, L. B., and E. H. Ryon, Worcester, Mass., assignors to Crompton & Knowles Loom Works. Take-up mechanism of a loom. No. 889,237; June 2; Sp. p. 89; Dr. pp. 20-1; Gaz. vol. 134; p. 1072.
- Jencks, W. P., Warwick, R. I. Feeder. No. 888,811; May 26; Sp. p. 5022; Dr. p. 1070; Gaz. vol. 134; p. 902.
- Jenkins, A., Carlisle, Iowa. Safety-catch for lifts. No. 900,858; Oct. 13; Sp. p. 1674; Dr. p. 339; Gaz. vol. 136; p. 1358.
- Jenkins, A. W., Chicago, Ill. Steel railway-tie. No. 907,502; Dec. 22; Sp. p. 4651; Gaz. vol. 137; p. 1849.
- Jenkins, C., Delevan, N. Y. Potato cutter and feeder for planters. No. 880,798; Mar. 3; Sp. p. 626; Dr. pp. 131-2; Gaz. vol. 133; p. 108.
- Jenkins, C. F., Washington, D. C. Receptacle for materials to be applied with a brush. No. 891,262; June 23; Sp. p. 4201; Dr. p. 919; Gaz. vol. 134; p. 1822.
- Jenkins, C. H., et al. (See Burdon, W. C., assignor.)
- Jenkins, D. S., Elizabethton, Tenn. Draft appliance. No. 892,843; July 7; Sp. p. 898; Dr. p. 191; Gaz. vol. 135; p. 152.
- Jenkins, E. (See O'Neel and Jenkins.)
- Jenkins, F. C., Villisca, Iowa. Cigar-vending machine. No. 898,654; Sept. 15; Sp. p. 2352; Dr. pp. 609-10; Gaz. vol. 136; p. 520.
- Jenkins, F. E., assignor to W. T. Lewis, Columbus, Ohio. Fluid-motor. No. 896,211; Aug. 18; Sp. p. 2835; Dr. p. 611; Gaz. vol. 135; p. 1409.
- Jenkins, H., Weir, Kans. Stock-feeding device. No. 901,620; Oct. 20; Sp. p. 3247; Dr. p. 666; Gaz. vol. 136; p. 1642.
- Jenkins, H. A., Indianapolis, Ind. Shift form and fastener. No. 905,322; Dec. 1; Sp. p. 370; Gaz. vol. 137; p. 1048.
- Jenkins, J. (See Mayberry, U. G., assignor.)
- Jenkins, J. V., Wichita, Kans. Reinforcing-bar for concrete construction. No. 904,785; Nov. 24; Sp. p. 4644; Gaz. vol. 137; p. 835.
- Jenkins, L. H., Philadelphia, Pa. Spring-yoke. No. 892,430; July 7; Sp. p. 73; Dr. p. 17; Gaz. vol. 135; p. 16.
- Jenkins, M. L. (See Place and Jenkins.)
- Jenkins, M. L., Harvey, assignor to Buda Foundry & Manufacturing Company, Chicago, Ill. Lifting-jack. No. 882,004; Mar. 17; Sp. p. 3058; Dr. p. 650; Gaz. vol. 133; p. 559.
- Jenkins, M. L., Harvey, assignor to Buda Foundry & Manufacturing Company, Chicago, Ill. Lifting-jack. No. 902,884; Nov. 3; Sp. p. 724; Gaz. vol. 137; p. 119.
- Jenkins, R. E. L. (See Tullock, J. T., assignor.)
- Jenkins, S., Lansdale, Pa. Vending-machine. No. 884,589; Apr. 14; Sp. p. 1858; Dr. pp. 399-400; Gaz. vol. 133; p. 1520.
- Jenkins, T. E., Amarillo, assignor, by mesne assignments, of one-half to B. O. Cator, Hansford, Tex. Veterinary tool. No. 893,589; July 14; Sp. p. 2462; Dr. p. 512; Gaz. vol. 135; p. 425.
- Jenkins, T. R., Jr., Baltimore, Md. Rotary scrubbing-machine. No. 889,309; June 2; Sp. p. 230; Dr. p. 56; Gaz. vol. 134; p. 1095.
- Jenkins, W. L., New Castle, Pa. Seesaw. No. 880,026; Feb. 25; Sp. p. 4415; Dr. p. 928; Gaz. vol. 132; p. 1652.
- Jenkinson, E. A. (See Havenhill and Jenkinson.)
- Jenks, T. W., Avalon, Pa. Rolling ribbed bars. No. 882,321; Mar. 17; Sp. p. 3668; Dr. p. 779; Gaz. vol. 133; p. 661.
- Jenney Safety Switch Company. (See Jenney, W. R., assignor.)
- Jenney, W. R., assignor to Jenney Safety Switch Company, Westfield, Mass. Automatic switch. No. 896,994; Aug. 25; Sp. p. 4483; Dr. p. 957; Gaz. vol. 135; p. 1688.

Alphabetical list of patentees—Continued.

- Jennings, A. E., Central City, Ky., assignor of one-third to G. Jennings, Lima, Ohio. Drill. No. 902,735; Nov. 3; Sp. p. 404; Gaz. vol. 137; p. 69.
- Jennings, A. E. and J. W., Central City, Ky., assignors of one-third to G. Jennings, Lima, Ohio. Drill. No. 877,892; Jan. 28; Sp. p. 4478; Dr. p. 976; Gaz. vol. 132; p. 819.
- Jennings, C. S., assignor to United Store Service and Tube Company, Boston, Mass. Sending mechanism for pneumatic-despatch systems. No. 899,599; Sept. 29; Sp. p. 4665; Dr. p. 1001; Gaz. vol. 136; p. 891.
- Jennings & Co., C. E. (See Madeira, C., assignor.)
- Jennings, D. J., Cleveland, Ohio. Paper receptacle. No. 890,985; June 16; Sp. p. 3670; Dr. p. 799; Gaz. vol. 134; p. 1701.
- Jennings, E. A., Haverhill, Mass. Folding slipper. No. 905,432; Dec. 1; Sp. p. 648; Gaz. vol. 137; p. 1087.
- Jennings, E. B., New York, N. Y. Shell-dam. No. 878,291; Feb. 4; Sp. p. 818; Dr. p. 163; Gaz. vol. 132; p. 980.
- Jennings, E. B., New York, N. Y. Shell-dam. No. 878,960; Feb. 11; Sp. p. 2214; Dr. p. 463; Gaz. vol. 132; p. 1231.
- Jennings, F. L., Philadelphia, Pa., assignor of one-half to C. T. Wright, Camden, N. J. Stamp-affixer. No. 891,701; June 23; Sp. p. 5123; Dr. p. 1106; Gaz. vol. 134; p. 1968.
- Jennings, F. L., Philadelphia, Pa., assignor of one-half to C. T. Wright, Camden, N. J. Stamp-affixer and envelop-sealer. No. 891,702; June 23; Sp. p. 5126; Dr. p. 1107; Gaz. vol. 134; p. 1968.
- Jennings, F. L., Philadelphia, Pa., assignor of one-half to C. T. Wright, Camden, N. J. Stamp-affixer. No. 903,576; Nov. 10; Sp. p. 2089; Gaz. vol. 137; p. 373.
- Jennings, F. S., Cincinnati, Ohio, assignor to Boston Machine Works Company, Boston, Mass. Cement-applying folding-machine. No. 888,403; May 19; Sp. p. 4141; Dr. p. 875-6; Gaz. vol. 134; p. 735.
- Jennings, F. S., Cincinnati, Ohio, assignor to Boston Machine Works Company, Boston, Mass. Cement-applying folding-machine. (Reissue.) No. 12,829; July 14; Sp. p. 2469; Dr. pp. 514-15; Gaz. vol. 135; p. 427.
- Jennings, G. (See Jennings, A. E., assignor.)
- Jennings, G. (See Jennings, A. E. and J. W., assignors.)
- Jennings, H. L., Cananea, Mexico. Vanner-roller. No. 902,736; Nov. 3; Sp. p. 406; Gaz. vol. 137; p. 70.
- Jennings, J. J., Chicago, Ill. Shock-absorber for vehicles. No. 892,161; June 30; Sp. p. 6040; Dr. p. 1299; Gaz. vol. 134; p. 2150.
- Jennings, J. W. (See Jennings, A. E. and J. W.)
- Jennings, S. J., Tremont, N. Y. Sleigh-runner for vehicles. No. 898,743; Sept. 15; Sp. p. 3013; Dr. p. 645; Gaz. vol. 136; p. 548.
- Jennings, T., et al. (See Humphrey, E. H., assignor.)
- Jennings, V. H., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Cartridge-carrier. No. 898,372; Sept. 8; Sp. p. 2234; Dr. p. 485; Gaz. vol. 136; p. 396.
- Jennings, V. H., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Cartridge-carrier. No. 898,373; Sept. 8; Sp. p. 2234; Dr. p. 486; Gaz. vol. 136; p. 396.
- Jennison, H. E., Fitchburg, Mass. Adjustable foot-block for radiators. No. 906,028; Dec. 8; Sp. p. 1798; Gaz. vol. 137; p. 1309.
- Jens, W., et al. (See Hammond, C. C., assignor.)
- Jensen, A., Eureka, Cal. Liquid-ripeners. No. 881,128; Mar. 10; Sp. p. 1267; Dr. pp. 273-4; Gaz. vol. 133; p. 245.
- Jensen, C., Chicago, Ill. Lock. No. 882,566; Mar. 24; Sp. p. 4122; Dr. pp. 874-5; Gaz. vol. 133; p. 773.
- Jensen, C., Palmyra, N. J. Cylinder for washing-machines. No. 899,988; Sept. 29; Sp. p. 5486; Dr. p. 1168; Gaz. vol. 136; p. 1016.
- Jensen, E. G., Medfield, assignor to Jensen Manufacturing Company, Boston, Mass. Puzzle. No. 908,410; Dec. 29; Sp. p. 6588; Gaz. vol. 137; p. 2182.
- Jensen, J., assignor of one-half to A. Mattsen, St. Paul, Minn. Shoe. No. 903,384; Nov. 10; Sp. p. 1686; Gaz. vol. 137; p. 309.
- Jensen, J. H., Brigham, Utah. Shaft-holder. No. 892,058; June 30; Sp. p. 5842; Dr. p. 1256; Gaz. vol. 134; p. 2116.
- Jensen, J. J., Portland, N. D. Split washer. No. 885,052; Apr. 21; Sp. p. 2831; Dr. p. 599; Gaz. vol. 133; p. 1703.
- Jensen, L., Chicago, Ill. Bottling-machine. No. 883,959; Apr. 7; Sp. p. 594; Dr. p. 118; Gaz. vol. 133; p. 1286.
- Jensen, L., Chicago, Ill. Folding bed. No. 903,291; Nov. 10; Sp. p. 1512; Gaz. vol. 137; p. 279.
- Jensen, L. C., Oklahoma, Okla. Door-fastener. No. 884,161; Apr. 7; Sp. p. 1044; Dr. p. 217; Gaz. vol. 133; p. 1353.
- Jensen Manufacturing Company. (See Jensen, E. G., assignor.)
- Jensen, N. P., Ephraim, Utah. Bottle and closure therefor. No. 888,170; May 19; Sp. p. 3696; Dr. p. 770; Gaz. vol. 134; p. 660.
- Jensen, O., Chicago, Ill. Scissors. No. 906,632; Dec. 15; Sp. p. 2934; Gaz. vol. 137; p. 1530.
- Jensen, T., Kittlesbugt, near Arendal, Norway. Device for binding lobster-claws. No. 889,238; June 2; Sp. p. 91; Dr. p. 21; Gaz. vol. 134; p. 1073.
- Jensen, W. F., Lincoln, Nebr. Renovating butter, oils, &c. No. 881,929; Mar. 17; Sp. p. 2891; Dr. p. 617; Gaz. vol. 133; p. 534.
- Jensen, W. F., Topeka, Kans. Purifying milk, cream, and other liquids. No. 906,532; Dec. 15; Sp. p. 2752; Gaz. vol. 137; p. 1499.
- Jenson, H. A., Salt Lake City, Utah. Cradle or rocker attachment. No. 900,548; Oct. 6; Sp. p. 1025; Dr. pp. 208-9; Gaz. vol. 136; p. 1230.
- Jepson, J. W. (See McGary and Jepson.)
- Jeranek, J., New York, N. Y. Gun-rest. No. 879,052; Feb. 11; Sp. p. 2372; Dr. p. 496; Gaz. vol. 132; p. 1260.
- Jerauld, W. E., assignor to American Steam Gauge & Valve Manufacturing Company, Boston, Mass. Automatic recording-gage. No. 877,198; Jan. 21; Sp. p. 3125; Dr. p. 677; Gaz. vol. 132; p. 575.
- Jerdone, F., Jr., Orange, Va. Draft-rigging. No. 887,330; May 12; Sp. p. 2033; Dr. pp. 425-6; Gaz. vol. 134; p. 356.
- Jerkins, W. L., Moultrie, Ga. Medicine-spoon. No. 884,390; Apr. 14; Sp. p. 1462; Dr. p. 312; Gaz. vol. 133; p. 1455.
- Jernigan, B. F., et al. (See Gannon, W. E., assignor.)
- Jernigan, G. H., Mingo, N. C. Guano-distributor. No. 888,812; May 26; Sp. p. 5024; Dr. p. 1071; Gaz. vol. 134; p. 903.
- Jernigan, L. H. (See Flowers and Jernigan.)
- Jerome, J. N. (See Patterson, W. W., assignor.)
- Jerrems, T. W., St. Paul, Minn. Grass twine. No. 891,934; June 30; Sp. p. 5598; Dr. p. 1206; Gaz. vol. 134; p. 2078.
- Jerrems, T. W., St. Paul, Minn. Grass-twine machine. No. 892,059; June 30; Sp. p. 5843; Dr. p. 1257; Gaz. vol. 134; p. 2116.
- Jersemann, M., New York, N. Y. Display-holder for jewelry and the like. No. 886,608; May 5; Sp. p. 526; Dr. p. 112; Gaz. vol. 134; p. 94.
- Jervay, A. L., Richmond, Va. Hasp-lock. No. 906,803; Dec. 15; Sp. p. 3258; Gaz. vol. 137; p. 1584.
- Jeseph, W. R. (See Bliecmister, L. P., assignor.)
- Jesse, C. R. and R. T. Ware, assignors to Owensboro Wagon Co. Inc., Owensboro, Ky. Vehicle. No. 899,989; Sept. 29; Sp. p. 5488; Dr. pp. 1168-9; Gaz. vol. 136; p. 1016.
- Jessee, E. G. (See Bobo, B. F., assignor.)
- Jessen, H. J. C., Nevada, Iowa. Tripod. No. 898,374; Sept. 8; Sp. p. 2286; Dr. p. 486; Gaz. vol. 136; p. 397.
- Jessup, G. W., Moorestown, N. J. Sulky-plow. No. 887,815; May 19; Sp. p. 3012; Dr. p. 633; Gaz. vol. 134; p. 546.
- Jessup, G. W., Jr., Waltham, Mass. Steam-generator. No. 883,407; Mar. 31; Sp. p. 5840; Dr. pp. 1245-6; Gaz. vol. 133; p. 1080.
- Jessup, R. W., assignor of one-half to F. H. Wheelan, Oakland, Cal. Separator. No. 891,424; June 23; Sp. p. 4545; Dr. p. 988; Gaz. vol. 134; p. 1876.
- Jeszmant, G. J., Pittston, Pa. Type-writer attachment. No. 887,646; May 12; Sp. p. 2669; Dr. pp. 563-4; Gaz. vol. 134; p. 459.
- Jet Manufacturing Company. (See Walker, G. A., assignor.)
- Jeter, E. W., Atlanta, assignor to W. M. Scott, Fulton county, Ga. Grate attachment. No. 888,013; May 19; Sp. p. 3402; Dr. pp. 715-16; Gaz. vol. 134; p. 611.
- Jett, J. F., et al. (See Seebree, W. T., assignor.)
- Jetter, J. M., and F. Drews, South Omaha, Nebr. Beer-case curtain. No. 882,470; Mar. 17; Sp. p. 3923; Dr. p. 839; Gaz. vol. 133; p. 709.
- Jewel Electric Sign Company. (See Nientimp, G. C., assignor.)
- Jewell, D. W., Kalamazoo, Mich. Valve. No. 893,325; July 14; Sp. p. 1885; Dr. p. 395; Gaz. vol. 135; p. 339.
- Jewell Engineering Company. (See Jewell, W. M., assignor.)
- Jewell, H. D., et al. (See Stoneman, A. A., assignor.)
- Jewell, H. S., Buffalo, N. Y. Method of and apparatus for purifying middlings and other materials. No. 894,009; July 21; Sp. p. 3399; Dr. p. 695; Gaz. vol. 135; p. 594.
- Jewell, I. H., Chicago, Ill. Filtration. No. 903,385; Nov. 10; Sp. p. 1687; Gaz. vol. 137; p. 309.
- Jewell, O. H. (See Jewell and Wagner, assignors.)
- Jewell, W. M., Park Ridge, assignor to Jewell Engineering Company, Chicago, Ill. Purifying water. No. 903,138; Nov. 3; Sp. p. 1201; Gaz. vol. 137; p. 197.
- Jewell, W. M., Winnetka, and W. Wagner, Berwyn, assignors of one-third to O. H. Jewell, Chicago, Ill. Water-purifying apparatus. No. 882,005; Mar. 17; Sp. p. 3059; Dr. p. 651; Gaz. vol. 133; p. 559.
- Jewett, E. F., assignor to J. B. Jewett, Newtown, Ohio. Controllable power-transmitting mechanism. No. 894,010; July 21; Sp. p. 3401; Dr. p. 696; Gaz. vol. 135; p. 594.
- Jewett, J. B. (See Jewett, E. F., assignor.)
- Jewett, M. E., Keokuk, Iowa. Sealing device for money-bags. No. 881,407; Mar. 10; Sp. p. 1826; Dr. p. 395; Gaz. vol. 133; p. 335.
- Jewett, M. E., Keokuk, Iowa. Bag-tie. No. 885,695; Apr. 21; Sp. p. 4157; Dr. p. 870; Gaz. vol. 133; p. 1909.
- Jewett, P. J., Butler, Mo. Road-grading machine. No. 895,271; Aug. 4; Sp. p. 1012; Dr. p. 212; Gaz. vol. 135; p. 1060.
- Jewett, V. W., Montpelier, Vt. Scroll-bending machine. No. 896,116; Aug. 18; Sp. p. 2668; Dr. p. 576; Gaz. vol. 135; p. 1379.
- Jex, A. C. (See Farris and Jex.)

Alphabetical list of patentees—Continued.

- Jeziak, J. (See Rippe, H., assignor.)
- Jimenez, A. L., assignor of forty-five one-hundredths to W. Freeman and five one-hundredths to J. L. Jimenez, New York, N. Y. Wheel. No. 888,504; May 26; Sp. p. 4356; Dr. pp. 922-3; Gaz. vol. 134; p. 799.
- Jimenez, A. L., assignor of forty-five one-hundredths to W. Freeman, five one-hundredths to J. L. Jimenez, and one-twentieth to J. M. R. Carrera, New York, N. Y. Wheel. No. 901,907; Oct. 20; Sp. p. 3837; Dr. p. 731; Gaz. vol. 136; p. 1736.
- Jimenez, J. L., et al. (See Jimenez, A. L., assignor.)
- Jincks, M., Cohocton, N. Y. Bridle-bit. No. 897,373; Sept. 1; Sp. p. 269; Dr. p. 55; Gaz. vol. 136; p. 41.
- Jipperson, J. M., assignor of one-half to C. P. Dawson, G. H. Irish, and W. H. Jones, Dallas, Tex. Lathe-chuck. No. 886,812; May 5; Sp. p. 980; Dr. p. 205; Gaz. vol. 134; p. 160.
- Joachim, M., Mazeppa, Minn. Animal-trap. No. 885,481; Apr. 21; Sp. p. 3713; Dr. p. 780; Gaz. vol. 133; p. 1842.
- Joachim, M., Sr., Versailles, Mo. Vehicle-wheel. No. 904,876; Nov. 24; Sp. p. 4844; Gaz. vol. 137; p. 865.
- Joachimson, M., New York, N. Y. Label-holder. No. 905,882; Dec. 8; Sp. p. 1521; Gaz. vol. 137; p. 1263.
- Joachim, J. H., St. Louis, Mo. Drive attachment for vehicle-wheels. No. 889,310; June 2; Sp. p. 232; Dr. p. 57; Gaz. vol. 134; p. 1096.
- Job, L. K., Notting Hill, London, England. Automatic switching device for use in flash advertising. No. 876,555; Jan. 14; Sp. p. 1767; Dr. pp. 385-6; Gaz. vol. 132; p. 320.
- Job, Z. T., Atlanta, Ga. Cotton-seed huller. No. 885,758; Apr. 28; Sp. p. 4305; Dr. p. 902; Gaz. vol. 133; p. 1959.
- Jocoy, J. A., Wakefield, R. I. Brooder. No. 878,635; Feb. 11; Sp. p. 1602; Dr. p. 327; Gaz. vol. 132; p. 1128.
- Joecken, P. J., assignor to Falls Machine Company, Sheboygan Falls, Wis. Woodworking-machine. No. 907,242; Dec. 22; Sp. p. 4137; Gaz. vol. 137; p. 1761.
- Joecken, P. J., assignor to Falls Machine Company, Sheboygan Falls, Wis. Woodworking-machine. No. 908,269; Dec. 29; Sp. p. 6288; Gaz. vol. 137; p. 2132.
- Joehnek, D. L., Rocky Ford, Colo. Apparatus for handling beets. No. 898,112; Sept. 8; Sp. p. 1801; Dr. p. 383; Gaz. vol. 136; p. 314.
- Joerden, L. T., St. Louis, Mo. Rail joint and brace. No. 891,546; June 23; Sp. p. 4787; Dr. pp. 1035-6; Gaz. vol. 134; p. 1915.
- Joerissen, C. A., Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y. Ribbon attachment for typewriter-writers. No. 886,609; May 5; Sp. p. 527; Dr. p. 113; Gaz. vol. 134; p. 94.
- Johan, A., New York, N. Y. Apparatus for coaling ships at sea. No. 903,094; Nov. 3; Sp. p. 1122; Gaz. vol. 137; p. 183.
- Johan, F. A., Seattle, Wash. Rolling automatic car-fender. No. 898,375; Sept. 8; Sp. p. 2287; Dr. p. 486; Gaz. vol. 136; p. 397.
- Johannesen, S. E., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical transformer. No. 889,931; June 9; Sp. p. 1457; Dr. p. 330; Gaz. vol. 134; p. 1320.
- Johansen, P. A., Omaha, Nebr. Gas-range lighter. No. 894,954; Aug. 4; Sp. p. 352; Dr. p. 71; Gaz. vol. 135; p. 952.
- Johannesmeyer, C. G., Cincinnati, Ohio. Device for stretching sheets uniformly. No. 902,494; Oct. 27; Sp. p. 5093; Dr. p. 1031; Gaz. vol. 136; p. 1959.
- Johanson, A. M., and I. Hultman, Stockholm, Sweden. Calculating-machine. No. 878,292; Feb. 4; Sp. p. 819; Dr. p. 163; Gaz. vol. 132; p. 980.
- Johanson, A. W., Chicago, Ill. Prospecting-drill. No. 903,194; Nov. 10; Sp. p. 1318; Gaz. vol. 137; p. 246.
- Johanson, P. E., Warren, Pa. Adjustable reamer. No. 895,090; Aug. 4; Sp. p. 629; Dr. p. 131; Gaz. vol. 135; p. 999.
- Johansson, K. A., Sandviken, Sweden. Desulfurizing ores. No. 899,219; Sept. 22; Sp. p. 3905; Gaz. vol. 136; p. 731.
- Johansson, K. E., Chicago, Ill. Spinning-holder for tops. No. 884,391; Apr. 14; Sp. p. 1464; Dr. p. 312; Gaz. vol. 133; p. 1455.
- John Boyle & Company. (See Sullivan, J. R., assignor.)
- John Cave and Sons. (See Denne, M. T., assignor.)
- John Douglas Company. (See McNeil, D. W., assignor.)
- John Douglas Company. (See McNeil, J., assignor.)
- John, H. J., Washington, assignor of one-half to L. Raphael, Pittsburg, Pa. Filling for rubber tires and the like. No. 906,633; Dec. 15; Sp. p. 2935; Gaz. vol. 137; p. 1530.
- John Holland Gold Pen Company. (See Holland, J. A., assignor.)
- John L. Gaumer Company. (See Gerlach, C., assignor.)
- John Lauson Manufacturing Company. (See Edens, H. N., assignor.)
- John Lauson Manufacturing Company. (See Lauson, H. D., assignor.)
- John, M., Milwaukee, Wis. Bearing. No. 887,397; May 12; Sp. p. 2192; Dr. p. 458; Gaz. vol. 134; p. 378.
- John Wyeth and Brother. (See Richards, E. L., assignor.)
- Johns, L. G., assignor of one-half to M. E. Sloppy, Denver, Ind. Trace-eye guard. No. 900,283; Oct. 6; Sp. p. 455; Dr. p. 93; Gaz. vol. 136; p. 1143.
- Johns, P. A., Philadelphia, Pa. Tube-cutter. No. 886,298; Apr. 28; Sp. p. 5382; Dr. p. 1131; Gaz. vol. 133; p. 2138.
- Johns-Pratt Company. (See Cole, R. C., assignor.)
- Johns, R. H. (See Heinritz and McCuen, assignors.)
- Johnsen, C. H., Harvey, Ill. Extension-table. No. 907,503; Dec. 22; Sp. p. 4651; Gaz. vol. 137; p. 1850.
- Johnsen, P., Sagala, Mich. Art needlework. No. 889,614; June 2; Sp. p. 833; Dr. p. 190; Gaz. vol. 134; p. 1193.
- Johnson, A. (See Anderson and Johnson.)
- Johnson, A., Quincy, Ill. Coupling. No. 882,390; Mar. 17; Sp. p. 3786; Dr. p. 808; Gaz. vol. 133; p. 683.
- Johnson, A., Duluth, Minn. Saw-set. No. 883,806; Apr. 7; Sp. p. 262; Dr. p. 48; Gaz. vol. 133; p. 1234.
- Johnson, A. B., Mount Gilead, Ohio. Ice-creper. No. 877,929; Feb. 4; Sp. p. 71; Dr. p. 14; Gaz. vol. 132; p. 861.
- Johnson, A. B., Chicago, Ill. Device for use in studying pictorial composition. No. 902,299; Oct. 27; Sp. p. 4658; Dr. p. 945; Gaz. vol. 136; p. 1893.
- Johnson, A. F., McKeesport, Pa. Computing-machine. No. 903,984; Nov. 17; Sp. p. 2941; Gaz. vol. 137; p. 637.
- Johnson, A. L., and J. Sturrock, Hamilton, Ontario, Canada, assignors to International Harvester Company. Harrow. No. 908,104; Dec. 29; Sp. p. 5930; Gaz. vol. 137; p. 2077.
- Johnson, A. O., Chicago, Ill. Sign-board. No. 894,505; July 28; Sp. p. 4443; Dr. p. 920; Gaz. vol. 135; p. 778.
- Johnson, A. R., Kuler, Mich. Bag-holder. No. 879,177; Feb. 18; Sp. p. 2650; Dr. p. 552; Gaz. vol. 132; p. 1342.
- Johnson, A. T., Mineola, N. Y. Compound for assisting in effecting a hand grasp. No. 892,844; July 7; Sp. p. 899; Gaz. vol. 135; p. 152.
- Johnson, C., Englewood, N. J. Dust-brush. No. 894,385; July 28; Sp. p. 4204; Dr. p. 867; Gaz. vol. 135; p. 739.
- Johnson, C., New London, Wis. Cutter-head. No. 894,888; Aug. 4; Sp. p. 184; Dr. p. 40; Gaz. vol. 135; p. 929.
- Johnson, C., New London, Wis. Cutter-head. No. 894,889; Aug. 4; Sp. p. 185; Dr. p. 40; Gaz. vol. 135; p. 930.
- Johnson, C. A., Noel, Mo. Gate-hinge. No. 883,960; Apr. 7; Sp. p. 597; Dr. p. 119; Gaz. vol. 133; p. 1286.
- Johnson, C. B., Columbus, Ohio. Bridle-bit. No. 881,242; Mar. 10; Sp. p. 1499; Dr. p. 323; Gaz. vol. 133; p. 283.
- Johnson, C. C. (See Buchanan and Johnson.)
- Johnson, C. C., Scranton, assignor of forty-five one-hundredths to J. A. Watson, Pittsburg, Pa. Insulator. No. 888,616; May 26; Sp. p. 4600; Dr. p. 976; Gaz. vol. 134; p. 840.
- Johnson, C. E., Indianapolis, Ind. Advertising-indicator. No. 882,640; Mar. 24; Sp. p. 4273; Dr. pp. 905-6; Gaz. vol. 133; p. 799.
- Johnson, C. E., Detroit, Mich. Bar for reinforcing concrete. No. 884,090; Apr. 7; Sp. p. 854; Dr. pp. 179-80; Gaz. vol. 133; p. 1328.
- Johnson, C. E., Randolph, Mass. Machine for making and driving tacks in window-sashes. No. 888,505; May 26; Sp. p. 4558; Dr. p. 923; Gaz. vol. 134; p. 799.
- Johnson, C. E., assignor to Corbin Cabinet Lock Company, New Britain, Conn. Bolt for desks and other structures. No. 878,206; Feb. 4; Sp. p. 650; Dr. p. 133; Gaz. vol. 132; p. 951.
- Johnson, C. E., assignor to Corbin Cabinet Lock Company, New Britain, Conn. Padlock. No. 881,591; Mar. 10; Sp. p. 2182; Dr. p. 476; Gaz. vol. 133; p. 397.
- Johnson, C. H., Chicago Heights, Ill., assignor, by mesne assignments, to Pittsburg Pneumatic Company, Canton, Ohio. Fluid-pressure-operated tool. No. 887,095; May 12; Sp. p. 1514; Dr. p. 321; Gaz. vol. 134; p. 278.
- Johnson, C. J., Sunrise, Wyo. Can-opener. No. 882,065; Mar. 17; Sp. p. 3180; Dr. p. 676; Gaz. vol. 133; p. 578.
- Johnson, C. J. F., assignor of one-half to C. Berg, Cleveland, Ohio. Billet-heating furnace. No. 897,746; Sept. 1; Sp. p. 1017; Dr. pp. 216-17; Gaz. vol. 136; p. 165.
- Johnson, C. J. F., assignor of one-half to C. Berg, Cleveland, Ohio. Heating billets. No. 897,834; Sept. 1; Sp. p. 1207; Dr. pp. 257-8; Gaz. vol. 136; p. 192.
- Johnson, C. P., Eureka, Kans. Wrench. No. 883,887; Apr. 7; Sp. p. 440; Dr. p. 87; Gaz. vol. 133; p. 1261.
- Johnson, C. P., Sacramento, Cal. Hydraulic motor. No. 894,795; July 28; Sp. p. 4997; Dr. p. 1043; Gaz. vol. 135; p. 872.
- Johnson, D., Pine Bluff, Ark. Paper-clip. No. 903,724; Nov. 10; Sp. p. 2374; Gaz. vol. 137; p. 418.
- Johnson, E. (See Christman and Johnson.)
- Johnson, E. (See Diehl, W. R., assignor.)
- Johnson, E. (See Weisbeck and Johnson.)
- Johnson, E., Louisville, Ky. Tobacco-press. No. 904,439; Nov. 17; Sp. p. 3894; Gaz. vol. 137; p. 692.
- Johnson, E., Sandpoint, Idaho, assignor of three-fifths to O. Halvorsen and A. Hanson. Currycomb. No. 878,731; Feb. 11; Sp. p. 1779; Dr. p. 368; Gaz. vol. 132; p. 1159.
- Johnson, E. C. A., Virginia, Minn. Ice-cream packer. No. 906,889; Dec. 15; Sp. p. 3434; Gaz. vol. 137; p. 1611.

Alphabetical list of patentees—Continued.

- Johnson, E. E., White Bear, Minn. Well-strainer. No. 899,054; Sept. 22; Sp. p. 3575; Dr. p. 766; Gaz. vol. 136; p. 676.
- Johnson, E. G., administratrix. (See Johnson, G. W.)
- Johnson, E. H., Los Angeles, Cal. Metallic window-sash. No. 876,556; Jan. 14; Sp. p. 1769; Dr. p. 386; Gaz. vol. 132; p. 320.
- Johnson, E. J., Madrid, Iowa. Wind-operated dynamo. No. 889,883; June 2; Sp. p. 1349; Dr. p. 308; Gaz. vol. 134; p. 1280.
- Johnson, E. R., Merion, Pa., assignor to Victor Talking Machine Company. Record for talking-machines. No. 888,089; May 19; Sp. p. 3543; Dr. p. 741; Gaz. vol. 134; p. 835.
- Johnson, E. R., Merion, Pa., assignor to Victor Talking Machine Company. Record for talking-machines. No. 896,059; Aug. 11; Sp. p. 2557; Dr. p. 553; Gaz. vol. 135; p. 1339.
- Johnson, E. W., Portville, N. Y., assignor of one-half to D. H. Langan, Gaines, Pa. Cattle-stanchion. No. 888,014; May 19; Sp. p. 3404; Dr. p. 716; Gaz. vol. 134; p. 611.
- Johnson Educator Food Company. (See Johnson, F. A., assignor.)
- Johnson, F., New York, N. Y. Amusement device. No. 887,812; May 19; Sp. p. 3008; Dr. p. 632; Gaz. vol. 134; p. 545.
- Johnson, F., assignor of one-half to F. von Nessen, Chicago, Ill. Milk-bottle-locking device. No. 898,222; Sept. 8; Sp. p. 2023; Dr. p. 428; Gaz. vol. 136; p. 348.
- Johnson, F., and H. Smith, Hatfield, Mo. Disconnecting device for telephone-lines. No. 891,060; June 30; Sp. p. 5847; Dr. p. 1258; Gaz. vol. 134; p. 2116.
- Johnson, F. A. (See Anderson and Johnson.)
- Johnson, F. A., Salisbury, assignor to Johnson Educator Food Company, Boston, Mass. Making crackers. No. 882,006; Mar. 17; Sp. p. 3062; Gaz. vol. 133; p. 559.
- Johnson, F. A., and T. A. Smith, Hot Springs, S. D.; said Johnson assignor to said Smith. Horseshoe-pad. No. 878,730; Feb. 11; Sp. p. 1778; Dr. p. 307; Gaz. vol. 132; p. 1158.
- Johnson, F. C., Portland, Me. Window-fastener. No. 890,062; June 9; Sp. p. 1743; Dr. p. 386; Gaz. vol. 134; p. 1366.
- Johnson, F. C., Rockton, Ill. Lubricator. No. 879,269; Feb. 18; Sp. p. 2816; Dr. p. 590; Gaz. vol. 132; p. 1372.
- Johnson, F. L., Barrington, R. I. Olive and pickle fork. No. 902,661; Nov. 3; Sp. p. 249; Gaz. vol. 137; p. 42.
- Johnson, F. M. (See Holcomb, A. E., assignor.)
- Johnson, F. M., Oregon, assignor of one-half to A. E. Holcomb, Chicago, Ill. Excavating-machine. No. 884,492; Apr. 14; Sp. p. 1666; Dr. pp. 359-60; Gaz. vol. 133; p. 1488.
- Johnson, G., Roxbury, Mass. Match-box. No. 907,243; Dec. 22; Sp. p. 4139; Gaz. vol. 137; p. 1762.
- Johnson, G., and F. J. McLaren, Fremantle, Western Australia, Australia. Removable safety-guard for razors. No. 879,875; Feb. 25; Sp. p. 4101; Dr. p. 861; Gaz. vol. 132; p. 1602.
- Johnson, G. C., assignor of one-half to H. Lange, Los Angeles, Cal. Door-operating mechanism for ore-cars. No. 884,091; Apr. 7; Sp. p. 856; Dr. p. 180; Gaz. vol. 133; p. 1329.
- Johnson, G. H., Paxton, Mass. Blacking for heated iron. No. 887,813; May 19; Sp. p. 3009; Gaz. vol. 134; p. 546.
- Johnson, G. H., Roseville, Ill. Animal-trap. No. 898,581; Sept. 15; Sp. p. 2703; Dr. pp. 577-8; Gaz. vol. 136; p. 496.
- Johnson, G. W., deceased; E. G. Johnson, Erie, Pa., administratrix, assignor to B. E. Reed, Ravenna, Ohio. Wrench. No. 904,485; Nov. 17; Sp. p. 4014; Gaz. vol. 137; p. 708.
- Johnson, H., Edgerton, Mo. Clip-hook. No. 901,173; Oct. 13; Sp. p. 2288; Dr. p. 467; Gaz. vol. 136; p. 1459.
- Johnson, H. A., Ansonia, Conn. Door-securer. No. 889,239; June 2; Sp. p. 91; Dr. p. 21; Gaz. vol. 134; p. 1073.
- Johnson, H. A., La Grange, Ill. Safety appliance for electric-railway trains. No. 892,734; July 7; Sp. p. 672; Dr. p. 142; Gaz. vol. 135; p. 116.
- Johnson, H. B., Atlanta, Ga. Tamper. No. 881,001; Mar. 3; Sp. p. 1025; Dr. p. 222; Gaz. vol. 133; p. 175.
- Johnson, H. D. (See Orr and Johnson.)
- Johnson, H. E., Clitherall, Minn. Stamping-machine. No. 888,333; May 19; Sp. p. 3985; Dr. pp. 840-1; Gaz. vol. 134; p. 712.
- Johnson, H. F., Bristow, Okla. Detachable-leaf check and pass book. No. 876,969; Jan. 21; Sp. p. 2637; Dr. p. 572; Gaz. vol. 132; p. 497.
- Johnson, H. F., Bristow, Okla. Detachable-leaf check and pass book. No. 906,890; Dec. 15; Sp. p. 3435; Gaz. vol. 137; p. 1611.
- Johnson, H. H., Forbes, and E. Moin, Sydney, New South Wales, Australia. Apparatus for lighting and extinguishing gas-lamps. No. 902,411; Oct. 27; Sp. p. 4891; Dr. p. 990; Gaz. vol. 136; p. 1929.
- Johnson, H. L., Topeka, Kans. Signal mechanism for block-signal systems. No. 880,218; Feb. 25; Sp. p. 4810; Dr. pp. 1018-19; Gaz. vol. 132; p. 1715.
- Johnson, H. O., Grove City, Minn. Liquid-delivering machine. No. 903,196; Nov. 10; Sp. p. 1322; Gaz. vol. 137; p. 247.
- Johnson, H. P., assignor of one-half to J. E. Thomas, Terre Haute, Ind. Mowing-machine. No. 883,136; Mar. 24; Sp. p. 5258; Dr. p. 1123; Gaz. vol. 133; p. 961.
- Johnson, H. T., New York, N. Y. Terminal connector. No. 883,201; Mar. 31; Sp. p. 5402; Dr. p. 1150; Gaz. vol. 133; p. 1012.
- Johnson, H. T., New York, N. Y., and C. E. Avery, Jersey City, N. J. Testing-galvanometer. No. 903,195; Nov. 10; Sp. p. 1320; Gaz. vol. 137; p. 247.
- Johnson, I., assignor of one-half to N. R. Martin, Perryopolis, Pa. Rail joint and fastener. No. 896,549; Aug. 18; Sp. p. 3533; Dr. p. 759; Gaz. vol. 135; p. 1520.
- Johnson, I. N., Tipton, Ind. Table attachment for chairs, &c. No. 890,656; June 16; Sp. p. 2963; Dr. p. 649; Gaz. vol. 134; p. 1592.
- Johnson, J., Floreffe, Pa. Lubrication of cross-heads. No. 876,717; Jan. 14; Sp. p. 2117; Dr. p. 464; Gaz. vol. 132; p. 375.
- Johnson, J., Hackett, Pa. Wire-stretcher. No. 902,968; Nov. 3; Sp. p. 870; Gaz. vol. 137; p. 145.
- Johnson, J., assignor of one-half to C. F. McQuaid, Chicago, Ill. Wrench. No. 894,208; July 28; Sp. p. 3832; Dr. p. 793; Gaz. vol. 135; p. 680.
- Johnson, J., Overland Park, assignor to Country Hydrant Company, St. Louis, Mo. Automatic water-supply system. No. 898,480; Sept. 15; Sp. p. 2501; Dr. p. 536; Gaz. vol. 136; p. 463.
- Johnson, J. B., Springfield, Mass. Trunk-lock. No. 898,744; Sept. 15; Sp. p. 3014; Dr. p. 645; Gaz. vol. 136; p. 548.
- Johnson, J. C. (See Tanck and Johnson.)
- Johnson, J. C. (See Watt, J. R., assignor.)
- Johnson, J. D., Jeannette, assignor of three-fourths to G. W. Blair, Pittsburg, Pa. Mold for forming tiles. No. 898,223; Sept. 8; Sp. p. 2024; Dr. p. 429; Gaz. vol. 136; p. 348.
- Johnson, J. D. A. (See Wagner and Johnson.)
- Johnson, J. E., Leaf Mountain township, Ottertail county, Minn. Automobile driving-gear. No. 878,005; Feb. 4; Sp. p. 217; Dr. pp. 47-48; Gaz. vol. 132; p. 886.
- Johnson, J. E., North Anderson, Ind. Sled-runner. No. 905,704; Dec. 1; Sp. p. 1172; Gaz. vol. 137; p. 1173.
- Johnson, J. E., Cliff, Miss. Cultivator cross-head. No. 906,140; Dec. 8; Sp. p. 2014; Gaz. vol. 137; p. 1344.
- Johnson, J. E., Jr., Long Dale, Va. Blast-furnace. No. 906,717; Dec. 15; Sp. p. 3090; Gaz. vol. 137; p. 1556.
- Johnson, J. F., Port Deposit, Md. Fence. No. 888,905; May 26; Sp. p. 5225; Dr. p. 1108; Gaz. vol. 134; p. 935.
- Johnson, J. H., Silverton, Oreg. Mop. No. 892,845; July 7; Sp. p. 900; Dr. p. 191; Gaz. vol. 135; p. 152.
- Johnson, J. M., Bloomer, Wis. Garment-supporter. No. 878,802; Feb. 11; Sp. p. 1923; Dr. p. 397; Gaz. vol. 132; p. 1182.
- Johnson, J. M., Chicago, Ill. Automatic registering and counting machine. No. 894,506; July 28; Sp. p. 4444; Dr. pp. 920-1; Gaz. vol. 135; p. 778.
- Johnson, J. M., Edgerton, Wis. Folding box. No. 900,173; Oct. 6; Sp. p. 214; Dr. p. 44; Gaz. vol. 136; p. 1107.
- Johnson, J. M., assignor to Standard Specialty & Tube Company, New Brighton, Pa. Apparatus for printing tubular articles. No. 900,073; Sept. 29; Sp. p. 5681; Dr. p. 1213; Gaz. vol. 136; p. 1044.
- Johnson, J. O., San Francisco, Cal. Combined carpet-beater and dust-pump. No. 890,514; June 9; Sp. p. 2645; Dr. pp. 584-5; Gaz. vol. 134; p. 1512.
- Johnson, J. P., Kensal, N. D. Wrench. No. 901,174; Oct. 13; Sp. p. 2289; Dr. p. 467; Gaz. vol. 136; p. 1459.
- Johnson, J. P., Abercrombie, N. D. Lubricator. No. 904,962; Nov. 24; Sp. p. 5011; Gaz. vol. 137; p. 894.
- Johnson, J. R., Homestead, N. D. Pawl-and-ratchet gearing. No. 891,077; June 16; Sp. p. 3829; Dr. p. 836; Gaz. vol. 134; p. 1730.
- Johnson, J. R., Richmond Hill, England. Puzzle. No. 896,917; Aug. 25; Sp. p. 4318; Dr. p. 924; Gaz. vol. 135; p. 1663.
- Johnson, J. S., San Francisco, Cal. Nail-holding attachment for hammers. No. 903,095; Nov. 3; Sp. p. 1124; Gaz. vol. 137; p. 184.
- Johnson, J. T., and W. M. Ray, Cleveland, Ohio. Load-trimmer. No. 899,538; Sept. 29; Sp. p. 4528; Dr. p. 973; Gaz. vol. 136; p. 869.
- Johnson and Johnson. (See Lee, J. E., assignor.)
- Johnson, L., Fessenden, N. D. Windmill. No. 905,538; Dec. 1; Sp. p. 868; Gaz. vol. 137; p. 1121.
- Johnson, L. G., Apple, Minn. Tongue-truck for harvesters. No. 882,113; Mar. 17; Sp. p. 3262; Dr. pp. 693-4; Gaz. vol. 133; p. 594.
- Johnson, L. J., Terre Haute, Ind. Valve mechanism. No. 876,880; Jan. 14; Sp. p. 2420; Dr. p. 528; Gaz. vol. 132; p. 427.
- Johnson, L. S., Sioux City, Iowa. Mold for hollow concrete blocks. No. 887,814; May 19; Sp. p. 3010; Dr. p. 633; Gaz. vol. 134; p. 546.
- Johnson, M. A., Waterford, Cal. Wire-stretcher. No. 882,149; Mar. 17; Sp. p. 3323; Dr. p. 707; Gaz. vol. 133; p. 605.
- Johnson, M. E., trustee. (See Bowker, T. F., assignor.)
- Johnson, M. E., trustee. (See Cobb, L. H., assignor.)
- Johnson, M. E., trustee. (See Ringqvist, O. W., assignor.)
- Johnson, M. E., trustee. (See Torkelson, R. T., assignor.)
- Johnson, M. M., Clay Center, Nebr. Automobile. No. 880,739; Mar. 3; Sp. p. 506; Dr. p. 105; Gaz. vol. 133; p. 88.
- Johnson, M. R., Axtell, Nebr. Jeweler's loop. No. 888,617; May 26; Sp. p. 4601; Dr. p. 976; Gaz. vol. 134; p. 840.

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- Johnson, N., Grove City, Minn. Supporter. No. 905,705; Dec. 1; Sp. p. 1173; Gaz. vol. 137; p. 1174.
- Johnson, N., Hunter, N. D. Returning mechanism for hay-carriers. No. 907,809; Dec. 29; Sp. p. 5325; Gaz. vol. 137; p. 1981.
- Johnson, O. (See Ryan and Johnson.)
- Johnson, O., *et al.* (See Taylor, A. J., assignor.)
- Johnson, O., Seattle, Wash. Electric water-heater. No. 887,331; May 12; Sp. p. 2039; Dr. p. 426; Gaz. vol. 134; p. 356.
- Johnson, O. J., Wheeling, W. Va. Can-testing machine. No. 876,557; Jan. 14; Sp. p. 1771; Dr. pp. 386-7; Gaz. vol. 132; p. 321.
- Johnson, O. J., Wheeling, W. Va. Can-testing machine. No. 876,558; Jan. 14; Sp. p. 1773; Dr. p. 387; Gaz. vol. 132; p. 321.
- Johnson, O. J., Wheeling, W. Va. Runway or chute for can-end-soldering machines. No. 880,144; Feb. 25; Sp. p. 4653; Dr. p. 981; Gaz. vol. 132; p. 1690.
- Johnson, O. K. (See Towle, A. F., assignor.)
- Johnson, O. W., assignor to Cleveland Folding Machine Company, Cleveland, Ohio. Paper-folding machine. No. 893,629; July 21; Sp. p. 2544; Dr. pp. 530-3; Gaz. vol. 135; p. 468.
- Johnson, O. W., assignor to Cleveland Folding Machine Company, Cleveland, Ohio. Paper-feeding mechanism. No. 895,465; Aug. 11; Sp. p. 1392; Dr. pp. 292-3; Gaz. vol. 135; p. 1147.
- Johnson, O. W., Allendale, N. J., and E. A. Scott, New York, N. Y. Ink-eraser. No. 899,539; Sept. 29; Sp. p. 4531; Dr. p. 973; Gaz. vol. 136; p. 870.
- Johnson, P., Downing, Wis. Stringed musical instrument. No. 878,006; Feb. 4; Sp. p. 219; Dr. p. 48; Gaz. vol. 132; p. 886.
- Johnson, P. A., Goldcreek, Mont. Rotary engine. No. 903,864; Nov. 17; Sp. p. 2679; Gaz. vol. 137; p. 496.
- Johnson, P. B., Berkeley, Cal. Ledger-file. No. 885,482; Apr. 21; Sp. p. 3713; Dr. pp. 780-1; Gaz. vol. 133; p. 1842.
- Johnson, P. B., Chicago, Ill., assignor of one-half to J. R. Craig, Thayer, Ind. Valve. No. 890,862; June 16; Sp. p. 3389; Dr. p. 743; Gaz. vol. 134; p. 1660.
- Johnson, P. L., Hereford, Tex. Wire-reel. No. 904,131; Nov. 17; Sp. p. 3242; Gaz. vol. 137; p. 588.
- Johnson, P. T., Magnolia, Ill. Amusement device. No. 881,002; Mar. 3; Sp. p. 1026; Dr. p. 222; Gaz. vol. 133; p. 175.
- Johnson, R., Houston, Tex. Lock. No. 889,615; June 2; Sp. p. 835; Dr. p. 190; Gaz. vol. 134; p. 1193.
- Johnson, R., Maxwell, Iowa. Incubator-alarm. No. 894,835; Aug. 4; Sp. p. 71; Dr. p. 15; Gaz. vol. 135; p. 912.
- Johnson, R., Worcester, Mass., assignor to Miller Speed Meter Company, New York, N. Y. Speed-meter. No. 877,506; Jan. 28; Sp. p. 3736; Dr. p. 808; Gaz. vol. 132; p. 696.
- Johnson, R. E., assignor to N. Y. Dash & Axle Mfg. Co., New York, N. Y. Carriage-axle. No. 900,859; Oct. 13; Sp. p. 1675; Dr. p. 339; Gaz. vol. 136; p. 1358.
- Johnson, R. E. H., Jersey City, N. J. Stirrup. No. 901,908; Oct. 20; Sp. p. 3838; Dr. p. 782; Gaz. vol. 136; p. 1736.
- Johnson, S. (See Carlson, Johnson, and Olson.)
- Johnson, S. J., Montclair, N. J. Operating mechanism for dumping-cars. No. 900,549; Oct. 6; Sp. p. 1027; Dr. p. 209; Gaz. vol. 136; p. 1230.
- Johnson, S. L., assignor to Yorkshire Wool & Leather Co., Limited, Bradford, England. Cutter for sheep-shearing. No. 889,017; May 26; Sp. p. 5426; Dr. p. 1153; Gaz. vol. 134; p. 969.
- Johnson, S. S., and H. A. Thompson, Seattle, Wash. Air-actuated railway-fender. No. 896,212; Aug. 18; Sp. p. 2838; Dr. p. 612; Gaz. vol. 135; p. 1410.
- Johnson, S. T., *et al.* (See Pattee, W. G., assignor.)
- Johnson, S. W. (See Morton, M. A., assignor.)
- Johnson, T., Trempealeau, assignor of one-half to T. Mason, Galesville, Wis. Rail tie and fastener. No. 891,547; June 23; Sp. p. 4790; Dr. p. 1036; Gaz. vol. 134; p. 1915.
- Johnson, T. J., Williams, Iowa. Plow. No. 885,759; Apr. 28; Sp. p. 4306; Dr. p. 903; Gaz. vol. 133; p. 1959.
- Johnson, T. S., Bluefield, W. Va. Cloth-layer. No. 879,551; Feb. 18; Sp. p. 3414; Dr. p. 715; Gaz. vol. 132; p. 1464.
- Johnson, V., St. Louis, Mo. Variable-speed mechanism. No. 898,745; Sept. 15; Sp. p. 3016; Dr. p. 646; Gaz. vol. 136; p. 548.
- Johnson, W. (See Alexander and Johnson.)
- Johnson, W. A. (See Calvin and Bell, assignors.)
- Johnson, W. A., London, England. Letter-file and the like. No. 881,078; Mar. 3; Sp. p. 1171; Dr. pp. 252-3; Gaz. vol. 133; p. 199.
- Johnson, W. B., Rockford, Ill. Chuck. No. 906,029; Dec. 8; Sp. p. 1799; Gaz. vol. 137; p. 1309.
- Johnson, W. C., Colemans Hatch, England. Motor-cycle. No. 898,481; Sept. 15; Sp. p. 2504; Dr. p. 536; Gaz. vol. 136; p. 463.
- Johnson, W. C., Colemans Hatch, England. Water-distributor. No. 902,662; Nov. 3; Sp. p. 251; Gaz. vol. 137; p. 43.
- Johnson, W. E., Rock Island, Ill. Riding attachment for harrows. No. 888,613; May 26; Sp. p. 5025; Dr. pp. 1071-2; Gaz. vol. 134; p. 903.
- Johnson, W. E., assignor to Rock Island Plow Company, Rock Island, Ill. Wheel-plow. No. 881,243; Mar. 10; Sp. p. 1500; Dr. pp. 323-4; Gaz. vol. 133; p. 283.
- Johnson, W. E., assignor to Rock Island Plow Company, Rock Island, Ill. Cultivator. No. 896,450; Aug. 18; Sp. p. 3321; Dr. p. 715; Gaz. vol. 135; p. 1486.
- Johnson, W. E., assignor to Rock Island Plow Company, Rock Island, Ill. Hand-lever for riding-cultivators. No. 903,139; Nov. 3; Sp. p. 1203; Gaz. vol. 137; p. 197.
- Johnson, W. E., assignor to Rock Island Plow Company, Rock Island, Ill. Wheeled plow. No. 905,079; Nov. 24; Sp. p. 5227; Gaz. vol. 137; p. 932.
- Johnson, W. E., assignor of one-half to S. A. Smith, Porter township, Midland county, Mich. Railway-rail joint. No. 888,441; May 19; Sp. p. 4322; Dr. p. 897; Gaz. vol. 134; p. 750.
- Johnson, W. H. (See Rowe, G. H., assignor.)
- Johnson, W. H., *et al.* (See Smoot, G., assignor.)
- Johnson, W. H., Brandon, Vt. Height-measuring apparatus. No. 892,735; July 7; Sp. p. 680; Dr. p. 143; Gaz. vol. 135; p. 117.
- Johnson, W. H., Old Forge, assignor to H. H. Tippitt, Jordan, N. Y. Combination step-ladder and washbench with ironing-board attachment. No. 889,850; June 2; Sp. p. 1281; Dr. p. 294; Gaz. vol. 134; p. 1268.
- Johnson, W. L., Killbuck, Ohio. Bee-feeder. No. 905,706; Dec. 1; Sp. p. 1174; Gaz. vol. 137; p. 1174.
- Johnson, W. M. (See Omond, A. W., assignor.)
- Johnson, W. M., Hartford, Conn. Metallurgical condenser. No. 902,534; Oct. 27; Sp. p. 5196; Dr. p. 1050; Gaz. vol. 136; p. 1973.
- Johnson, W. M., Hartford, Conn. Condensing volatile metals. No. 902,535; Oct. 27; Sp. p. 5199; Dr. p. 1050; Gaz. vol. 136; p. 1973.
- Johnson, W. O., Washington, D. C. Card record and file. No. 907,244; Dec. 22; Sp. p. 4142; Gaz. vol. 137; p. 1762.
- Johnson, W. W., Meadville, Pa. Stiffening device. No. 894,209; July 28; Sp. p. 3833; Dr. p. 794; Gaz. vol. 135; p. 681.
- Johnson, W. W., assignor to Spirella Company, Meadville, Pa. Garment-supporting clasp. No. 876,881; Jan. 14; Sp. p. 2421; Dr. p. 528; Gaz. vol. 132; p. 427.
- Johnsonbeck, L., Syracuse, N. Y. Fountain-brush. No. 893,326; July 14; Sp. p. 1887; Dr. p. 395; Gaz. vol. 135; p. 340.
- Johnstons, C. C., Redding, Cal. Furnace-tapping spout. No. 892,263; June 30; Sp. p. 6241; Dr. p. 1342; Gaz. vol. 134; p. 2184.
- Johnston, A., Ottumwa, Iowa. Grinding-machine. No. 901,909; Oct. 20; Sp. p. 3840; Dr. pp. 782-3; Gaz. vol. 136; p. 1737.
- Johnston, C. H., Rogers Park, Ill. Non-detachable sliding and folding upper deck for brick-drier cars. No. 901,105; Oct. 13; Sp. p. 2173; Dr. p. 442; Gaz. vol. 136; p. 1437.
- Johnston, C. L. (See Brown and Johnston.)
- Johnston, C. L., San Francisco, Cal., assignor to F. B. Redington, Chicago, Ill. Ink-roller trip for printing-presses. No. 897,902; Sept. 8; Sp. p. 1359; Dr. p. 291; Gaz. vol. 136; p. 246.
- Johnston, D. B., *et al.* (See Lightford, W. L., assignor.)
- Johnston, D. K., Oil City, assignor to Oil Well Supply Company, Pittsburg, Pa. Casing-head. No. 878,067; Feb. 4; Sp. p. 359; Dr. p. 74; Gaz. vol. 132; p. 906.
- Johnston, E. A., Sterling, Ill., assignor to International Harvester Company. Vehicle-brake. No. 883,202; Mar. 31; Sp. p. 5403; Dr. p. 1151; Gaz. vol. 133; p. 1013.
- Johnston, E. A., Sterling, Ill., assignor to International Harvester Company. Valve-cage for gas-engines. No. 892,994; July 14; Sp. p. 1246; Dr. p. 261; Gaz. vol. 135; p. 232.
- Johnston, E. A., Akron, Ohio, assignor to International Harvester Company. Starting mechanism for explosive-engines. No. 906,030; Dec. 8; Sp. p. 1800; Gaz. vol. 137; p. 1309.
- Johnston, F., *et al.* (See Cadwell, E. B., assignor.)
- Johnston, F., (See Walker, W. A., assignor.)
- Johnston, F. J., Sacramento, Cal. Rotary target. No. 884,663; Apr. 14; Sp. p. 2055; Dr. p. 439; Gaz. vol. 133; p. 1544.
- Johnston, F. J., Oakpark, assignor to F. J. Johnston Circle Wave Amusement Co., Sacramento, Cal. Amusement device. No. 878,400; Feb. 4; Sp. p. 1023; Dr. p. 207; Gaz. vol. 132; p. 1016.
- Johnston, G. C., Pittsburg, Pa. X-ray meter. No. 893,244; July 14; Sp. p. 1730; Dr. p. 366; Gaz. vol. 135; p. 312.
- Johnston, H. A., Toronto, Ontario, Canada. Starting mechanism for internal-combustion engines. No. 876,460; Jan. 14; Sp. p. 1563; Dr. p. 335; Gaz. vol. 132; p. 287.
- Johnston, H. A., Toronto, Ontario, Canada. Fuel-sprayer for internal-combustion motors. No. 886,513; May 5; Sp. p. 339; Dr. p. 69; Gaz. vol. 134; p. 62.

Alphabetical list of patentees—Continued.

- Johnston, H. A., Toronto, Ontario, Canada. Internal-combustion engine. No. 895,466; Aug. 11; Sp. p. 1395; Dr. p. 293; Gaz. vol. 135; p. 1147.
- Johnston, H. G. (See Carroll, M. W., assignor.)
- Johnston, J., Woonsocket, R. I. Loom-shuttle. No. 907,368; Dec. 22; Sp. p. 4373; Gaz. vol. 137; p. 1804.
- Johnston, J., Putney, London, and H. W. Buddicom, Nannerch, near Mold, England. Change-speed gear. No. 894,327; July 28; Sp. p. 4087; Dr. pp. 844-5; Gaz. vol. 135; p. 720.
- Jonsson, J., Fulham, London, assignor of one-half to H. W. Buddicom, Penbedw, England. Carbureter for internal-combustion engines. No. 894,656; July 28; Sp. p. 4742; Dr. pp. 984-5; Gaz. vol. 135; p. 827.
- Johnston, J. D., Jones, Mich. Shade-bracket and curtain-pole supporter. No. 887,647; May 12; Sp. p. 2672; Dr. p. 564; Gaz. vol. 134; p. 460.
- Johnston, J. E., *et al.* (See Babb, J. M., assignor.)
- Johnston, J. E., and J. M. Crahan, Indianapolis, Ind. Saw-set. No. 887,197; May 12; Sp. p. 1686; Dr. p. 358; Gaz. vol. 134; p. 309.
- Johnston, J. F. (See Rowe and Johnston.)
- Johnston, J. K., Tyrone, Pa. Railway-signal. No. 885,621; Apr. 21; Sp. p. 4004; Dr. p. 837; Gaz. vol. 133; p. 1884.
- Johnston, J. W., and C. E. Rullmann, Aurora, Ind. Bolting-machine. No. 890,657; June 16; Sp. p. 2965; Dr. p. 649; Gaz. vol. 134; p. 1593.
- Johnston, K. G., New York, N. Y. Air-pump. No. 895,043; Aug. 11; Sp. p. 1727; Dr. p. 366; Gaz. vol. 135; p. 1204.
- Johnston, K. G., New York, N. Y. Carbureter. No. 896,388; Aug. 18; Sp. p. 3203; Dr. p. 686; Gaz. vol. 135; p. 1456.
- Johnston, K. G., New York, N. Y. Friction-clutch. No. 896,389; Aug. 18; Sp. p. 3205; Dr. p. 686; Gaz. vol. 135; p. 1456.
- Johnston, K. G., New York, N. Y. Motor-oiling system. No. 904,132; Nov. 17; Sp. p. 3243; Gaz. vol. 137; p. 588.
- Johnston, P. D., Cold Spring, N. Y., assignor to American Oil Engine Company. Obtaining power from hydrocarbons. No. 905,433; Dec. 1; Sp. p. 650; Gaz. vol. 137; p. 1088.
- Johnston, P. D., Cold Spring, N. Y., assignor to American Oil Engine Company. Internal-combustion engine. No. 905,434; Dec. 1; Sp. p. 652; Gaz. vol. 137; p. 1088.
- Johnston, P. D., Cold Spring, N. Y., assignor to American Oil Engine Company. Valve-operating mechanism. No. 905,435; Dec. 1; Sp. p. 653; Gaz. vol. 137; p. 1088.
- Johnston, R. T., Plainfield, N. J., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Mechanical movement. No. 878,532; Feb. 11; Sp. p. 1360; Dr. pp. 277-9; Gaz. vol. 132; p. 1093.
- Johnston, R. T., Plainfield, N. J., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Mechanical movement. No. 893,245; July 14; Sp. p. 1732; Dr. pp. 366-7; Gaz. vol. 135; p. 313.
- Johnston, R. T., Plainfield, N. J., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Mechanical movement. No. 905,436; Dec. 1; Sp. p. 655; Gaz. vol. 137; p. 1089.
- Johnston, R. T., assignor to Campbell Printing Press & Manufacturing Company, Taunton, Mass. Mechanical movement. No. 893,246; July 14; Sp. p. 1736; Dr. p. 367; Gaz. vol. 135; p. 313.
- Johnston, T. A., Chadron, assignor of one-fourth to T. L. Finley, Long Pine, Nebr. Rod-packing. No. 894,739; July 28; Sp. p. 4896; Dr. p. 1019; Gaz. vol. 135; p. 854.
- Johnston, W. (See Vandegrift and Johnston.)
- Johnston, W. A., Shreveport, La. Screw-positioning implement. No. 896,731; Aug. 25; Sp. p. 3876; Dr. p. 838; Gaz. vol. 135; p. 1599.
- Johnston, W. C. (See De Witt, J. M., assignor.)
- Johnston, W. H., Montgomery, Ala. Shipping crate or coop. No. 906,891; Dec. 15; Sp. p. 3435; Gaz. vol. 137; p. 1612.
- Johnston, W. R. (See Barndt and Johnston.)
- Johnston, W. R., assignor to Walter R. Johnston Manufacturing Company, New York, N. Y. Fire-extinguishing engine. No. 881,129; Mar. 10; Sp. p. 1270; Dr. p. 274; Gaz. vol. 133; p. 245.
- Johnston, W. W., Hammond, Ind. Switch-operating rod. No. 880,667; Mar. 3; Sp. p. 356; Dr. p. 78; Gaz. vol. 133; p. 62.
- Johnstone, R. K., Salem, Mass., assignor to A. C. Lawrence Leather Company. Welt-stripper. No. 878,533; Feb. 11; Sp. p. 1363; Dr. p. 279; Gaz. vol. 132; p. 1093.
- Joice, J. K., Chicago, Ill. Automatic razor. No. 899,870; Sept. 29; Sp. p. 5238; Dr. p. 1120; Gaz. vol. 136; p. 979.
- Joines, J. J., Atlanta, Ga. Fare-recorder. No. 896,550; Aug. 18; Sp. p. 3535; Dr. p. 759; Gaz. vol. 135; p. 1520.
- Joliet Manufacturing Company. (See Steckel, W. J., assignor.)
- Jolitz, F. W., West Duluth, Minn. Instep-protector. No. 881,079; Mar. 3; Sp. p. 1172; Dr. p. 253; Gaz. vol. 133; p. 200.
- Jolitz, F. W., North Freedom, Wis. Means for coupling traction-engines and threshing-machines. No. 906,533; Dec. 15; Sp. p. 2754; Gaz. vol. 137; p. 1500.
- Jolly, F. S., McFall, Mo. Line-holder. No. 883,644; Mar. 31; Sp. p. 6312; Dr. p. 1346; Gaz. vol. 133; p. 1153.
- Jolly, H. E., Columbus Ohio. Jaw-closure. No. 886,218; Apr. 28; Sp. p. 5222; Dr. p. 1100; Gaz. vol. 133; p. 2110.
- Jolly, J., Bolton, and P. E. Willis, Atherton, England. Combing-machine for cotton. No. 875,932; Jan. 7; Sp. p. 469; Dr. p. 101; Gaz. vol. 132; p. 84.
- Jolly, M. B., Trenton, Mo. Fruit-slicer. No. 878,803; Feb. 11; Sp. p. 1924; Dr. p. 397; Gaz. vol. 132; p. 1182.
- Joly, H., assignor to Compagnie Generale de Phonographes, Cinematographes et Appareils de Precision, Paris, France. Compressed-air talking-machine for phonographs, gramophones, and other speaking-machines. No. 908,411; Dec. 29; Sp. p. 6591; Gaz. vol. 137; p. 2183.
- Jonas, O., Griesheim, assignor to Chemische Fabrik Griesheim Electron, Frankfort-on-the-Main, Germany. Removal of arsenic from liquids and gases. No. 891,703; June 23; Sp. p. 5129; Gaz. vol. 134; p. 1969.
- Jonas, O., Griesheim, assignor to Chemische Fabrik Griesheim Electron, Frankfort-on-the-Main, Germany. Removal of arsenic from liquids and gases. No. 891,775; June 23; Sp. p. 5258; Gaz. vol. 134; p. 1993.
- Jonas, R., Berlin-Charlottenburg, assignor to Firm of A. Koppel, A. G., Berlin, Germany. Vessel for conveying materials. No. 895,025; Aug. 4; Sp. p. 511; Dr. p. 103; Gaz. vol. 135; p. 978.
- Jonas, R., Charlottenburg, assignor to Freibahn Ges. m. b. H., Berlin, Germany. Steering of coupled vehicles. No. 902,821; Nov. 3; Sp. p. 570; Gaz. vol. 137; p. 97.
- Jonata, F., New York, N. Y. Diaper-holder. No. 879,774; Feb. 18; Sp. p. 3864; Dr. p. 809; Gaz. vol. 132; p. 1536.
- Jones, A., Chicago, Ill. Portable platform for filing-cases. No. 890,986; June 16; Sp. p. 3671; Dr. p. 800; Gaz. vol. 134; p. 1701.
- Jones, A., Baltimore, Md. Cap-feeding mechanism for bottle-capping machines. No. 898,113; Sept. 8; Sp. p. 1804; Dr. p. 383; Gaz. vol. 136; p. 314.
- Jones, A., Oolitic, Ind. Stone-sawing machine. No. 901,175; Oct. 13; Sp. p. 2290; Dr. p. 467; Gaz. vol. 136; p. 1459.
- Jones, A., assignor to L. Kalling, Baltimore, Md. Machine for securing sealing-caps to bottles. No. 900,550; Oct. 6; Sp. p. 1029; Dr. pp. 203-12; Gaz. vol. 136; p. 1230.
- Jones, A. A., *et al.* (See Robinson, F., assignor.)
- Jones, A. A., Cass City, Mich. Milking-stool. No. 893,803; July 21; Sp. p. 2975; Dr. p. 609; Gaz. vol. 135; p. 527.
- Jones, A. A., assignor of one-half to G. W. M. Fisher, Philadelphia, Pa. Dancing toy. No. 905,707; Dec. 1; Sp. p. 1175; Gaz. vol. 137; p. 1174.
- Jones, A. E., Fiume, Austria-Hungary. Immersion-regulator. No. 881,930; Mar. 17; Sp. p. 2893; Dr. p. 617; Gaz. vol. 133; p. 535.
- Jones, A. E., Fiume, Austria-Hungary. Means for actuating submersion-rudders for torpedoes. No. 883,028; Mar. 24; Sp. p. 5038; Dr. p. 1073; Gaz. vol. 133; p. 925.
- Jones, A. E., assignor to Whitehead & Company, Fiume, Austria-Hungary. Immersion-regulator particularly adapted for torpedoes. No. 899,304; Sept. 22; Sp. p. 4081; Dr. p. 872; Gaz. vol. 136; p. 758.
- Jones, A. E., assignor to Whitehead & Company, Fiume, Austria-Hungary. Torpedo-launching tube. No. 908,270; Dec. 29; Sp. p. 6292; Gaz. vol. 137; p. 2133.
- Jones, A. L., Lynchburg, Va. Combined screen and washstand. No. 876,807; Jan. 14; Sp. p. 2264; Dr. p. 498; Gaz. vol. 132; p. 402.
- Jones, A. M., assignor to A. J. Long, L. R. Yourtee, and J. K. Hoffman, Hagerstown, Md. Railway safety appliance. No. 905,080; Nov. 24; Sp. p. 5230; Gaz. vol. 137; p. 932.
- Jones, A. O., St. Louis, Mo. Device for handling bricks. No. 891,548; June 23; Sp. p. 4791; Dr. p. 1036; Gaz. vol. 134; p. 1916.
- Jones, A. W., Atlanta, Ga. Lining for casings of rotary pumps. No. 888,814; May 26; Sp. p. 5027; Dr. p. 1072; Gaz. vol. 134; p. 903.
- Jones Automatic Stoker Company. (See Jones, J. E., assignor.)
- Jones, B., trustee. (See Curtis, L. E., assignor.)
- Jones, B. H., St. Louis, Mo. Corner-fastening for beds. No. 877,716; Jan. 28; Sp. p. 4152; Dr. p. 899; Gaz. vol. 132; p. 763.
- Jones, B. W., Troy, assignor of three-fourths to G. M. Beattie, Cohoes, N. Y. Starching-machine. No. 880,455; Feb. 25; Sp. p. 5293; Dr. pp. 1113-14; Gaz. vol. 132; p. 1795.
- Jones, C. A. (See Graham and Jones.)
- Jones, C. A. (See Lohr, D. A., assignor.)
- Jones, C. E. (See Angevine, H. Z., assignor.)
- Jones, C. F., Newton Highlands, Mass. Mechanical movement. No. 884,590; Apr. 14; Sp. p. 1861; Dr. p. 400; Gaz. vol. 133; p. 1520.
- Jones, C. K., Rosedale, Kans. Keyboard telegraph system. No. 907,604; Dec. 22; Sp. p. 4866; Gaz. vol. 137; p. 1882.
- Jones, C. K., Quincy, Ill., assignor, by mesne assignments, of thirty one-hundredths to Railway Telegraph Automatic Signal Co. Telegraph system. No. 889,784; June 2; Sp. p. 1154; Dr. p. 268; Gaz. vol. 134; p. 1246.
- Jones, C. M., North Yakima, Wash. Engraver's clamp. No. 890,063; June 9; Sp. p. 1744; Dr. p. 386; Gaz. vol. 134; p. 1367.
- Jones C. R. (See Wry and Jones.)

Alphabetical list of patentees—Continued.

- Jones, C. W., assignor to American Roofing Tile Co., Charlotte, N. C. Brick and block mold. No. 887,398; May 12; Sp. p. 2193; Dr. p. 458; Gaz. vol. 134; p. 378.
- Jones, D. B., Battleboro, N. C. Collapsible barrel. No. 888,334; May 19; Sp. p. 3987; Dr. p. 841; Gaz. vol. 134; p. 713.
- Jones, D. G., assignor to Best Manufacturing Company, Pittsburg, Pa. Flexible pipe-union. No. 885,256; Apr. 21; Sp. p. 3274; Dr. p. 683; Gaz. vol. 133; p. 1770.
- Jones, D. L., Mayton, Miss. Detachable pocket. No. 887,479; May 12; Sp. p. 2354; Dr. p. 494; Gaz. vol. 134; p. 404.
- Jones, D. R., Atchison, Kans. Plastering material. No. 886,813; May 5; Sp. p. 981; Dr. p. 206; Gaz. vol. 134; p. 160.
- Jones, E. (See Dungan and Huckins, assignors.)
- Jones, E. A. (See Melvin, M. G., assignor.)
- Jones, E. S. (See Stoker and Jones.)
- Jones, E. W., Burts, Va. Pea-thresher. No. 878,882; Feb. 11; Sp. p. 2065; Dr. p. 429; Gaz. vol. 132; p. 1207.
- Jones F., Scranton, Pa. Fire-brick clamp and stove-top brace. No. 883,408; Mar. 31; Sp. p. 5843; Dr. p. 1246; Gaz. vol. 133; p. 1080.
- Jones, F. A., *et al.* (See Larsson, T., assignor.)
- Jones, F. H. (See Warner and Jones.)
- Jones, F. R. (See De Wind and Jones.)
- Jones, G. (See Sullivan, A., assignor.)
- Jones, G., Marion, Mich. Vehicle-wheel. No. 881,693; Mar. 10; Sp. p. 2379; Dr. pp. 515-16; Gaz. vol. 133; p. 427.
- Jones, G., Chicago, Ill. Curtain-fixture. No. 904,537; Nov. 24; Sp. p. 4122; Gaz. vol. 137; p. 751.
- Jones, G., assignor to F. P. and R. L. Smith, St. Catharines, Canada. Belt tool and punch. No. 903,985; Nov. 17; Sp. p. 2944; Gaz. vol. 137; p. 537.
- Jones, G. H., Wilmington, Del. Auxiliary stove-lid plate. No. 906,534; Dec. 15; Sp. p. 2756; Gaz. vol. 137; p. 1500.
- Jones, G. P., Emporium, Pa. Machine for mixing explosives. No. 882,114; Mar. 17; Sp. p. 3264; Dr. pp. 694-5; Gaz. vol. 133; p. 594.
- Jones, G. P., and W. A. Rindress, Moncton, New Brunswick, Canada. Spike-puller. No. 895,763; Aug. 11; Sp. p. 1971; Dr. p. 417; Gaz. vol. 135; p. 1243.
- Jones, G. R., *et al.* (See Jones, W. A., assignor.)
- Jones, G. W., *et al.* (See Benford, R. B., assignor.)
- Jones, H. (See Folsom and Jones.)
- Jones, H., Sufern, assignor to E. H. Fallows, New York, N. Y. Brake-shoe. No. 907,810; Dec. 29; Sp. p. 5326; Gaz. vol. 137; p. 1981.
- Jones, H. D., Hailey, Idaho. Fishing-creel attachment. No. 893,509; July 14; Sp. p. 2281; Dr. p. 479; Gaz. vol. 135; p. 400.
- Jones, H. E., Philadelphia, Pa. Milk pasteurizer and regenerator. No. 894,328; July 28; Sp. p. 4089; Dr. p. 845; Gaz. vol. 135; p. 720.
- Jones, H. P. (See Dowse, A. C., assignor.)
- Jones, H. S. (See Kelley, W. V. D., assignor.)
- Jones, H. W., assignor to American Can Company, New York, N. Y. Compartment friction-top can. No. 906,236; Dec. 8; Sp. p. 2206; Gaz. vol. 137; p. 1378.
- Jones & Hardy. (See Gillespie, L. F., assignor.)
- Jones Improved Loose Leaf Specialty Company. (See Hill, L., assignor.)
- Jones, J. (See Good, R., assignor.)
- Jones, J., Ottumwa, Iowa. Animal-shackle. No. 877,717; Jan. 28; Sp. p. 4153; Dr. p. 899; Gaz. vol. 132; p. 763.
- Jones, J., Salem, Ore. Invalid's cabinet-commode. No. 902,737; Nov. 3; Sp. p. 407; Gaz. vol. 137; p. 70.
- Jones, J. A., New York, N. Y. Composition cork. No. 903,865; Nov. 17; Sp. p. 2681; Gaz. vol. 137; p. 497.
- Jones, J. B., Maxie, Miss. Wagon-brake. No. 882,391; Mar. 17; Sp. p. 3788; Dr. p. 809; Gaz. vol. 133; p. 683.
- Jones, J. C. (See Strickland, B., assignor.)
- Jones, J. C., Wynnewood, Pa. Feed-water heater and purifier. No. 876,357; Jan. 14; Sp. p. 1331; Dr. p. 289; Gaz. vol. 132; p. 252.
- Jones, J. C., Wynnewood, Pa., assignor to Harrison Safety Boiler Works. Heating and purifying water. No. 880,456; Feb. 25; Sp. p. 5297; Dr. p. 1114; Gaz. vol. 132; p. 1796.
- Jones, J. D., Temple, Tex. Journal-box. No. 901,346; Oct. 20; Sp. p. 2652; Dr. p. 544; Gaz. vol. 136; p. 1551.
- Jones, J. E., Syracuse, N. Y. Foot-warmer attachment for radiators. No. 889,689; June 2; Sp. p. 985; Dr. p. 227; Gaz. vol. 134; p. 1217.
- Jones, J. E., assignor to Jones Automatic Stoker Company, Chicago, Ill. Automatic furnace. No. 895,764; Aug. 11; Sp. p. 1972; Dr. pp. 417-18; Gaz. vol. 135; p. 1244.
- Jones, J. E., assignor to Jones Automatic Stoker Company, Chicago, Ill. Underfeed furnace. No. 895,765; Aug. 11; Sp. p. 1978; Dr. pp. 418-19; Gaz. vol. 135; p. 1244.
- Jones, J. F., Wilmington, N. C., assignor of one-half to W. J. Murray and W. A. Coleman, Columbia, S. C. Bottle-stopper extractor. No. 894,657; July 28; Sp. p. 4745; Dr. p. 985; Gaz. vol. 135; p. 828.
- Jones, J. G. (See Charters and Jones.)
- Jones, J. G., *et al.* (See Shortt, H. G., assignor.)
- Jones, J. H. (See Brockman, H. E., assignor.)
- Jones, J. H., Morrilton, Ark. Washboard. No. 876,906; Jan. 14; Sp. p. 2473; Dr. p. 540; Gaz. vol. 132; p. 436.
- Jones, J. H., and P. Lynch, Atlantic, Iowa. Grain-car door. No. 881,244; Mar. 10; Sp. p. 1504; Dr. p. 324; Gaz. vol. 133; p. 283.
- Jones, J. J., New Castle, Pa. Furnace. No. 888,815; May 26; Sp. p. 5030; Dr. pp. 1072-3; Gaz. vol. 134; p. 904.
- Jones, J. L., Kizer, Tenn. Coherer and decoherer. No. 886,983; May 5; Sp. p. 1278; Dr. p. 270; Gaz. vol. 134; p. 212.
- Jones, J. M. C., Gibson City, Ill. Machine for cleaning cans. No. 885,849; Apr. 28; Sp. p. 4489; Dr. pp. 942-4; Gaz. vol. 133; p. 1990.
- Jones, J. R. (See Nicholes and Jones.)
- Jones, J. S. (See Holcombe, W. R., assignor.)
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Reducing ores. No. 880,799; Mar. 3; Sp. p. 629; Dr. p. 132; Gaz. vol. 133; p. 108.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Ore-reducing furnace. No. 890,229; June 9; Sp. p. 2082; Dr. p. 456; Gaz. vol. 134; p. 1421.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Dephosphorizing ores. No. 890,230; June 9; Sp. p. 2084; Dr. p. 457; Gaz. vol. 134; p. 1421.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Treating ore. No. 890,231; June 9; Sp. p. 2085; Dr. p. 457; Gaz. vol. 134; p. 1421.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Ore-smelting furnace. No. 890,232; June 9; Sp. p. 2086; Dr. pp. 457-8; Gaz. vol. 134; p. 1422.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Dephosphorizing and reducing iron ore. No. 890,233; June 9; Sp. p. 2088; Gaz. vol. 134; p. 1422.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Treating iron ores. No. 890,234; June 9; Sp. p. 2089; Dr. p. 458; Gaz. vol. 134; p. 1422.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Forming ingots. No. 890,235; June 9; Sp. p. 2091; Dr. p. 458; Gaz. vol. 134; p. 1423.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Treating copper ores. No. 890,563; June 9; Sp. p. 2739; Dr. p. 606; Gaz. vol. 134; p. 1529.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Ore-reducing furnace. No. 891,549; June 23; Sp. p. 4794; Dr. p. 1037; Gaz. vol. 134; p. 1916.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Treating ore. No. 891,704; June 23; Sp. p. 5130; Dr. pp. 1107-8; Gaz. vol. 134; p. 1969.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Treating ores. No. 891,705; June 23; Sp. p. 5131; Dr. p. 1103; Gaz. vol. 134; p. 1969.
- Jones, J. T., Iron Mountain, Mich., assignor of one-half to G. A. St. Clair, Duluth, Minn. Treating ore. No. 899,405; Sept. 22; Sp. p. 4259; Dr. p. 914; Gaz. vol. 136; p. 769.
- Jones, J. W., Auburn, Wash. Milk-cooler. No. 879,105; Feb. 11; Sp. p. 2492; Dr. p. 519; Gaz. vol. 132; p. 1276.
- Jones, J. W., Roosevelt, Okla. Insect-extermiator. No. 885,483; Apr. 24; Sp. p. 3715; Dr. p. 781; Gaz. vol. 133; p. 1843.
- Jones, J. W., Harrisburg, Pa. Check delivering, registering, and alarm device. No. 895,183; Aug. 4; Sp. p. 811; Dr. pp. 169-70; Gaz. vol. 135; p. 1029.
- Jones, J. W., Harrisburg, Pa. Coupon printing and delivering apparatus. No. 907,369; Dec. 22; Sp. p. 4375; Gaz. vol. 137; p. 1804.
- Jones, J. W., New York, N. Y. Speedometer. No. 899,055; Sept. 22; Sp. p. 3578; Dr. p. 767; Gaz. vol. 136; p. 676.
- Jones, J. W., Baton Rouge, La. Graphophone-stop. No. 901,910; Oct. 20; Sp. p. 3841; Dr. p. 783; Gaz. vol. 136; p. 1737.
- Jones, L., Broomfield, W. Va. Stop-cock. No. 901,621; Oct. 20; Sp. p. 3253; Dr. p. 666; Gaz. vol. 136; p. 1642.
- Jones, L., Jefferson, Ohio. Door bolt and latch releasing device. No. 902,412; Oct. 27; Sp. p. 4893; Dr. pp. 990-1; Gaz. vol. 136; p. 1930.
- Jones, L. A., Cambridge, Mass. Exhaust-condenser. No. 877,431; Jan. 21; Sp. p. 3577; Dr. p. 773; Gaz. vol. 132; p. 651.
- Jones, L. A., Cambridge, Mass. Foot-rest for vehicles. No. 879,646; Feb. 18; Sp. p. 3620; Dr. p. 757; Gaz. vol. 132; p. 1494.
- Jones, L. A., Clyde, Ohio. Machine for grinding and polishing. No. 884,162; Apr. 7; Sp. p. 1045; Dr. p. 218; Gaz. vol. 133; p. 1353.
- Jones, L. A., Cambridge, Mass., assignor to Shoe Finding Company. Machine for tacking shoe-shanks. No. 884,392; Apr. 14; Sp. p. 1465; Dr. pp. 312-13; Gaz. vol. 133; p. 1456.

Alphabetical list of patentees—Continued.

- Jones, L. A., Cambridge, assignor to American Circular Loom Company, Chelsea, Mass. Machine for braiding tubular fabric. No. 889,311; June 2; Sp. p. 233; Dr. pp. 57-8; Gaz. vol. 134; p. 1096.
- Jones, L. J., Richmond, Va. Centering device. No. 902,738; Nov. 3; Sp. p. 408; Gaz. vol. 137; p. 70.
- Jones, L. W., and F. B. Leopold, Sewickley, assignors to Pittsburgh Filter Manufacturing Company, Pittsburg, Pa. Water-softener. No. 900,551; Oct. 6; Sp. p. 1036; Dr. pp. 212-13; Gaz. vol. 136; p. 1231.
- Jones, L. W., Sewickley, and F. Hansen, assignors to Pittsburgh Filter Manufacturing Company, Pittsburg, Pa. Filter. No. 879,876; Feb. 25; Sp. p. 4102; Dr. p. 861; Gaz. vol. 132; p. 1802.
- Jones, M. D., assignor of one-fourth to L. H. Smith, Davenport, Iowa. Incandescent electric lamp. No. 887,943; May 19; Sp. p. 3270; Dr. p. 687; Gaz. vol. 134; p. 588.
- Jones, M. J., administratrix. (See Jones, S. B.)
- Jones, N. M., Bangor, and L. B. Bryant, Lincoln, Nebr. Log-carrier and stake therefor. No. 889,616; June 2; Sp. p. 837; Dr. p. 190; Gaz. vol. 134; p. 1194.
- Jones, O., Redfern, near Sydney, New South Wales, Australia. Beam-scale. No. 901,911; Oct. 20; Sp. p. 3843; Dr. pp. 783-4; Gaz. vol. 136; p. 1737.
- Jones, P. A. (See Goetz and Jones.)
- Jones, P. N., Pittsburg, Pa. Controller for electric motors. No. 878,961; Feb. 11; Sp. p. 2215; Dr. pp. 463-4; Gaz. vol. 132; p. 1232.
- Jones, P. T., Sr., Corinth, Miss. Strap turning and stretching machine. No. 878,804; Feb. 11; Sp. p. 1925; Dr. pp. 397-8; Gaz. vol. 132; p. 1182.
- Jones, R., Penmaenmawr, England. Hay, straw, or like cutting knife. No. 893,735; July 21; Sp. p. 2835; Dr. p. 582; Gaz. vol. 135; p. 504.
- Jones, R. C., New Cumberland, W. Va. Feed for well-drilling apparatus. No. 890,236; June 9; Sp. p. 2092; Dr. p. 459; Gaz. vol. 134; p. 1423.
- Jones, R. D., Jr., Cameo, Colo. Hinge-joint. No. 906,892; Dec. 15; Sp. p. 3437; Gaz. vol. 137; p. 1612.
- Jones, R. E., Hagerstown, Md. Track-door for refrigerators. No. 890,772; June 16; Sp. p. 3221; Dr. p. 703; Gaz. vol. 134; p. 1631.
- Jones, R. J., and F. H. Cunningham, Sebring, Ohio. Wrench. No. 898,896; Sept. 15; Sp. p. 3292; Dr. p. 705; Gaz. vol. 136; p. 598.
- Jones, R. J., Sprague, Wash. D. C. Ladder. No. 886,514; May 5; Sp. p. 340; Dr. p. 70; Gaz. vol. 134; p. 63.
- Jones, R. V., Kansas City, Mo., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Heater system for locomotive service. No. 906,031; Dec. 8; Sp. p. 1801; Gaz. vol. 137; p. 1310.
- Jone-S., East Liverpool, Ohio. Mechanical movement. No. 901,912; Oct. 20; Sp. p. 3845; Dr. p. 784; Gaz. vol. 136; p. 1738.
- Jones, S. A., Deshler, Ohio. Roofing-tile. No. 903,477; Nov. 10; Sp. p. 1882; Gaz. vol. 137; p. 340.
- Jones, S. A., Deshler, Ohio. Corn-popper. No. 907,370; Dec. 22; Sp. p. 4378; Gaz. vol. 137; p. 1804.
- Jones, S. B., deceased, Butler, Ind.; M. J. Jones, administratrix. Pencil-sharpener. No. 889,135; May 26; Sp. p. 5668; Dr. p. 1200; Gaz. vol. 134; p. 1007.
- Jones, T. A., Chicago, Ill. Pulley. No. 888,171; May 19; Sp. p. 3697; Dr. p. 771; Gaz. vol. 134; p. 660.
- Jones, T. F., Leavenworth, Kans. Burial-receptacle. No. 894,151; July 21; Sp. p. 3689; Dr. pp. 765-6; Gaz. vol. 135; p. 641.
- Jones, T. H., Juda, Wis. Trace-buckle. No. 879,775; Feb. 18; Sp. p. 3865; Dr. p. 809; Gaz. vol. 132; p. 1536.
- Jones, T. N., Boulder, Colo., assignor to J. T. Powers, Hastings, N. S. Shannon and W. H. Ferguson, Lincoln, Nebr. Hose-coupling. No. 882,690; Mar. 24; Sp. p. 4370; Dr. p. 930; Gaz. vol. 133; p. 816.
- Jones, W., Auburn, Me. Holder for brooms and the like. No. 878,068; Feb. 4; Sp. p. 361; Dr. p. 74; Gaz. vol. 132; p. 906.
- Jones, W., Auburn, Me. Door-plate. No. 885,760; Apr. 28; Sp. p. 4308; Dr. p. 903; Gaz. vol. 133; p. 1960.
- Jones, W., Auburn, Me. Combination-tool. No. 896,117; Aug. 18; Sp. p. 2669; Dr. p. 576; Gaz. vol. 135; p. 1379.
- Jones, W., Helena, Mont. Safety-stirrup. No. 889,018; May 26; Sp. p. 5427; Dr. p. 1153; Gaz. vol. 134; p. 969.
- Jones, W., assignor of one-half to L. C. Henninger, Bowling Green, Ky. Ladder. No. 884,163; Apr. 7; Sp. p. 1048; Dr. p. 218; Gaz. vol. 133; p. 1353.
- Jones, W. A., assignor of two-thirds to G. R. Jones and W. D. Webster, Muncie, Ind. Switch-throwing device for street-railway cars. No. 889,785; June 2; Sp. p. 1159; Dr. p. 263; Gaz. vol. 134; p. 1247.
- Jones, W. C., Curryville, Mo. Folding hay-rake. No. 892,736; July 7; Sp. p. 682; Dr. p. 143; Gaz. vol. 135; p. 117.
- Jones, W. C., Centralia, Mo. Device for pouring filling material in crevices. No. 902,885; Nov. 3; Sp. p. 725; Gaz. vol. 137; p. 120.
- Jones, W. C., Brooklyn, N. Y. Envelope. No. 904,262; Nov. 17; Sp. p. 3537; Gaz. vol. 137; p. 633.
- Jones, W. E., assignor to Electric Protection Company, Minneapolis, Minn. Burglar-alarm. No. 880,668; Mar. 3; Sp. p. 357; Dr. p. 79; Gaz. vol. 133; p. 63.
- Jones, W. F., Eccles, near Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Electric switch. No. 876,970; Jan. 21; Sp. p. 2637; Dr. p. 572-3; Gaz. vol. 132; p. 497.
- Jones, W. H., *et al.* (See Jiperson, J. M., assignor.)
- Jones, W. H. (See Wise and Jones.)
- Jones, W. H., Rupert, Idaho. Leveling-rod. No. 894,955; Aug. 4; Sp. p. 354; Dr. p. 71; Gaz. vol. 135; p. 952.
- Jones, W. H., Abbeville, S. C. Permutation-lock. No. 896,301; Aug. 18; Sp. p. 3028; Dr. p. 651; Gaz. vol. 135; p. 1439.
- Jones, W. H., assignor of one-third to W. Smith, Manhattan, Cal. Receiving and delivery mechanism for mail-pouches. No. 908,007; Dec. 29; Sp. p. 5743; Gaz. vol. 137; p. 2045.
- Jones, W. J., Martinsville, Va. Lever-power churn. No. 885,257; Apr. 21; Sp. p. 3275; Dr. p. 684; Gaz. vol. 133; p. 1770.
- Jones, W. J., Narberth, Pa., assignor, by mesne assignments, to Holdfast Manufacturing Company. Holder for match-boxes. No. 905,081; Nov. 24; Sp. p. 5232; Gaz. vol. 137; p. 933.
- Jones, W. L., Stockton, Cal. Apparatus for oxidizing flour. No. 895,405; Aug. 4; Sp. p. 1252; Dr. p. 264; Gaz. vol. 135; p. 1103.
- Jones, W. L., assignor of one-half to F. M. Snyder, San Francisco, Cal. Steam-generator. No. 877,343; Jan. 21; Sp. p. 3403; Dr. p. 738; Gaz. vol. 132; p. 621.
- Jones, W. M. (See McGee and Jones.)
- Jones, W. M., Cross Plains, Tex. Cotton-chopper. No. 879,647; Feb. 18; Sp. p. 3622; Dr. p. 757; Gaz. vol. 132; p. 1495.
- Jones, W. M., London, England. Hanger for garments. No. 894,658; July 28; Sp. p. 4746; Dr. p. 985; Gaz. vol. 135; p. 828.
- Jones, W. R., Shoal Bay, Va. Peanut picker and stemmer. No. 908,271; Dec. 29; Sp. p. 6293; Gaz. vol. 137; p. 2133.
- Jones, W. S., Plainville, Conn. Safety-clutch for starting gas-engines. No. 896,451; Aug. 18; Sp. p. 3324; Dr. p. 716; Gaz. vol. 135; p. 1487.
- Jones, W. T. (See West, C. W., assignor.)
- Jones, W. T., assignor to Edmunds & Jones Mfg. Co., Detroit, Mich. Lamp-fount-attaching device. No. 900,020; Sept. 29; Sp. p. 5555; Dr. p. 1183; Gaz. vol. 136; p. 1026.
- Jones, W. W., Downs, Kans. Axle-nut. No. 883,314; Mar. 31; Sp. p. 5635; Dr. p. 1201; Gaz. vol. 133; p. 1049.
- Joos, C., assignor to Actiengesellschaft vormals F. Martini & Cie., Frauenfeld, Switzerland. Book-sewing machine. No. 885,053; Apr. 21; Sp. p. 2832; Dr. pp. 599-603; Gaz. vol. 133; p. 1703.
- Jopling, K. C., Memphis, Tenn. Massaging device. No. 886,984; May 5; Sp. p. 1279; Dr. p. 270; Gaz. vol. 134; p. 213.
- Jordan, A. I., New York, N. Y. Catamenial device. No. 881,130; Mar. 10; Sp. p. 1274; Dr. p. 274; Gaz. vol. 133; p. 246.
- Jordan, B. F., Valparaiso, Ind. Shade-fixture. No. 892,264; June 30; Sp. p. 6241; Dr. p. 1343; Gaz. vol. 134; p. 2185.
- Jordan, C. D. (See Benton and Jordan.)
- Jordan, C. R., Berkeley, Cal. Apartment wall-furniture. No. 892,668; July 7; Sp. p. 537; Dr. p. 113; Gaz. vol. 135; p. 95.
- Jordan, F. B., Winchester, Mass. Loose-leaf binder. No. 901,347; Oct. 20; Sp. p. 2653; Dr. p. 544; Gaz. vol. 136; p. 1551.
- Jordan, J. B., Nashville, Tenn. Cushion-tire. No. 888,906; May 26; Sp. p. 5226; Dr. p. 1108; Gaz. vol. 134; p. 935.
- Jordan, J. T. (See Brameld and Jordan.)
- Jordan, M. C., Ellisville, Miss. Plow. No. 884,164; Apr. 7; Sp. p. 1050; Dr. p. 219; Gaz. vol. 133; p. 1354.
- Jordan Machine Company. (See Rothong E., assignor.)
- Jordan, R. M., Cooper, Tex. Folder for cotton-presses. No. 904,617; Nov. 24; Sp. p. 4273; Gaz. vol. 137; p. 778.
- Jordan, S. D., Dillon, S. C. Tape-measure. No. 886,814; May 5; Sp. p. 982; Dr. p. 206; Gaz. vol. 134; p. 16.
- Jordan, T. Allen, Nebr. Water-cooler for portable engines. No. 907,811; Dec. 29; Sp. p. 5328; Gaz. vol. 137; p. 1981.
- Jordan, W. C. (See Searle, L., assignor.)
- Jørgensen, C. and A. Haahr, assignors to E. Enna & Co., Copenhagen, Denmark. Edge-setting iron. No. 894,152; July 21; Sp. p. 3690; Dr. p. 766; Gaz. vol. 135; p. 641.
- Jørgensen, L., Cleveland, Ohio. Broom-support. No. 892,525; July 7; Sp. p. 264; Dr. p. 56; Gaz. vol. 135; p. 49.
- Jørgensen, M. C., Chicago, Ill. Hog-scraper. No. 877,432; Jan. 21; Sp. p. 3579; Dr. pp. 773-5; Gaz. vol. 132; p. 651.
- Jørgensen, N., Raig, Nebr. Loading apparatus. No. 881,408; Mar. 10; Sp. p. 1828; Dr. pp. 395-6; Gaz. vol. 133; p. 335.
- Jørgensen, R., Seattle, Wash. Coffee percolator and strainer. No. 892,846; July 7; Sp. p. 901; Dr. p. 192; Gaz. vol. 135; p. 152.
- Jørgensen, S. J. E., Melbourne, Victoria, Australia. Gear for lifting and transporting cargo and the like goods. No. 876,559; Jan. 14; Sp. p. 1776; Dr. p. 387; Gaz. vol. 132; p. 322.
- Jorn, A. J., Waukegan, Ill. Sand-blast apparatus. No. 894,272; July 28; Sp. p. 3976; Dr. p. 820; Gaz. vol. 135; p. 702.
- Jorres, R. W., assignor to Paris Lamp Manufacturing Company, St. Louis, Mo. Vapor-burning lamp. No. 900,738; Oct. 13; Sp. p. 1426; Dr. p. 289; Gaz. vol. 136; p. 1319.
- Jorstad, M., Walker, Minn. Tender for traction-engines. No. 886,059; Apr. 28; Sp. p. 4937; Dr. p. 1038; Gaz. vol. 133; p. 2060.
- Jose, O. A., and S. Anderson, Indianapolis, Ind. Wooden column. No. 901,176; Oct. 13; Sp. p. 2291; Dr. p. 468; Gaz. vol. 136; p. 1460.

Alphabetical list of patentees—Continued.

- Josenhans, T., Seattle, Wash. Surveyor's stake. No. 885,850; Apr. 28; Sp. p. 4494; Dr. p. 944; Gaz. vol. 133; p. 1990.
- Joseph, A. I., Sydney, New South Wales, Australia. Apparatus for treating sewage. No. 877,569; Jan. 28; Sp. p. 3872; Dr. p. 838; Gaz. vol. 132; p. 717.
- Joseph, C., Bayonne, assignor of one-half to F. J. Kloes, Jersey City, N. J. Fastener for shade-brackets. No. 890,281; June 9; Sp. p. 2211; Dr. p. 486; Gaz. vol. 134; p. 1438.
- Joseph, E. (See Lacomme, G., assignor.)
- Josephs, A. S., New York, N. Y. Guard device. No. 878,069; Feb. 4; Sp. p. 362; Dr. p. 74; Gaz. vol. 132; p. 906.
- Josephy, W., assignor of one-half to T. K. Wissinger, Columbus, Ohio. Pin-spotting device for bowling-alleys. No. 887,399; May 12; Sp. p. 2196; Dr. p. 459; Gaz. vol. 134; p. 379.
- Joslin, A. D., Chicago, Ill. Cash-check holder and cutter. No. 887,816; May 19; Sp. p. 3013; Dr. p. 634; Gaz. vol. 134; p. 546.
- Joslin, A. D., Chicago, Ill. Ticket holder and cutter for ticket agents. No. 896,918; Aug. 25; Sp. p. 4320; Dr. p. 925; Gaz. vol. 135; p. 1664.
- Joslin, C. T., Jerusalem, N. Y. Invalid-bed. No. 882,641; Mar. 24; Sp. p. 4275; Dr. pp. 906-7; Gaz. vol. 133; p. 799.
- Joslin, R. J. (See Chase, J. L., assignor.)
- Joslin, Schmidt & Co. (See Schmidt, H. B., assignor.)
- Josling, H. W. E., London, England. Non-refillable bottle. No. 888,907; May 26; Sp. p. 5229; Dr. p. 1109; Gaz. vol. 134; p. 935.
- Josse, E., Berlin, Germany. Double-acting wet-air pump. No. 898,746; Sept. 15; Sp. p. 3017; Dr. p. 646; Gaz. vol. 136; p. 549.
- Jost, W. F., Pocatello, Idaho. Cannon-pinion. No. 900,380; Oct. 6; Sp. p. 651; Dr. p. 134; Gaz. vol. 136; p. 1174.
- Jost, W. F., Chicago, Ill. Locking device for extension-tables. No. 881,245; Mar. 10; Sp. p. 1505; Dr. p. 324; Gaz. vol. 133; p. 284.
- Josz, E., Ganshoren, Brussels, assignor to Société Anonyme du Joxyl, Koekelberg, near Brussels, Belgium. Printing on wood. No. 902,886; Nov. 3; Sp. p. 728; Gaz. vol. 137; p. 120.
- Jottrand, A., *et al.*, associate guardians. (See Jottrand, F.)
- Jottrand, F., deceased, Uccle, near Brussels, Belgium; J. R. and A. Jottrand, associate guardians, assignors to Société Anonyme L'oxydrique Internationale. Machine for welding metal tubes, rings, and the like. No. 900,381; Oct. 6; Sp. p. 653; Dr. p. 134; Gaz. vol. 136; p. 1174.
- Jottrand, F., and P. Lulli, Uccle, near Brussels, assignors to Société Anonyme L'oxydrique Internationale, Brussels, Belgium. Blow-pipe for cutting metal plates, pipes, and the like. No. 895,026; Aug. 4; Sp. p. 512; Dr. pp. 103-4; Gaz. vol. 135; p. 978.
- Jottrand, J. R., *et al.*, associate guardians. (See Jottrand, F.)
- Jourdanet, A., P. Billet, and F. Baron, Lyon, France. Carbureter. No. 891,936; June 30; Sp. p. 5599; Dr. p. 1207; Gaz. vol. 134; p. 2078.
- Jowett, R., Pawtucket, R. I. Manufacturing cotton-combs. No. 876,358; Jan. 14; Sp. p. 1333; Dr. p. 289-90; Gaz. vol. 132; p. 253.
- Joy, A. H., Newton, Iowa. Dental soldering device. No. 880,740; Mar. 3; Sp. p. 509; Dr. p. 105; Gaz. vol. 133; p. 88.
- Joy, C. H. (See Eckert, F., assignor.)
- Joy, C. L., New Haven, Conn. Cutlery-grinding machine. No. 877,199; Jan. 21; Sp. p. 3127; Dr. p. 678; Gaz. vol. 132; p. 595.
- Joy, C. L., Lowell, assignor to Draper Company, Hopedale, Mass. Loom-temple. No. 882,827; Mar. 24; Sp. p. 4640; Dr. p. 989; Gaz. vol. 133; p. 859.
- Joy, H. B., assignor to Packard Motor Car Company, Detroit, Mich. Base and crank-case for hydrocarbon-engines. No. 891,803; June 23; Sp. p. 5324; Dr. p. 1152; Gaz. vol. 134; p. 2003.
- Joy, J. M., assignor to Page Machine Company, New York, N. Y. Circuit-controller for electric motors. No. 876,882; Jan. 14; Sp. p. 2422; Dr. p. 528; Gaz. vol. 132; p. 427.
- Joy, S. W., assignor of two-thirds to J. Sigrist and R. B. Martin, Battle Creek, Mich. Hot-air register. No. 892,431; July 7; Sp. p. 74; Dr. p. 18; Gaz. vol. 135; p. 17.
- Joy, W. H. (See Griswold, D. C., assignor.)
- Joyce, F. I., Dayton, Ohio. Lifting-jack. No. 892,441; July 28; Sp. p. 4327; Dr. p. 892; Gaz. vol. 135; p. 758.
- Joyce, J. (See Graf, A., assignor.)
- Joyce, J., Toronto, Ontario, Canada. Support for edgewise-movable doors. No. 897,747; Sept. 1; Sp. p. 1020; Dr. p. 217; Gaz. vol. 136; p. 165.
- Joyce, J. S., Philadelphia, Pa. Safety scarf-pin. No. 895,865; Aug. 11; Sp. p. 2187; Dr. p. 465; Gaz. vol. 135; p. 1277.
- Joyce, M., Jr., Burdette, S. D. Automatic releasing device for gang-plows. No. 883,315; Mar. 31; Sp. p. 5636; Dr. p. 1202; Gaz. vol. 133; p. 1050.
- Joyce, M., assignor of one-half to T. F. Long and E. Klee, Elizabeth, N. J. Match-receptacle. No. 896,390; Aug. 18; Sp. p. 3206; Dr. p. 687; Gaz. vol. 135; p. 1467.
- Joynes, A. L., Paducah, Ky., assignor of one-third to C. L. Meyers, St. Louis, Mo. Moisture-proof case for insulated wires. No. 900,382; Oct. 6; Sp. p. 655; Dr. p. 135; Gaz. vol. 136; p. 1175.
- Judd, W. (See Long, Knight, and Judd.)
- Judd, W. F., Litchfield, Ill. Rug-rack. No. 888,172; May 19; Sp. p. 3699; Dr. p. 771; Gaz. vol. 134; p. 660.
- Jude, A., assignor to Belliss & Morecom Limited, Birmingham, England. Guide blade and vane for turbines. No. 881,409; Mar. 10; Sp. p. 1830; Dr. pp. 396-7; Gaz. vol. 133; p. 335.
- Jude, A., assignor to Belliss & Morecom Limited, Birmingham, England. Turbine-motor. No. 881,474; Mar. 10; Sp. p. 1965; Dr. p. 427; Gaz. vol. 133; p. 357.
- Jude, A., assignor to Belliss & Morecom Limited, Birmingham, England. Turbine. No. 882,521; Mar. 17; Sp. p. 4035; Dr. pp. 859-60; Gaz. vol. 133; p. 727.
- Jude, A., assignor to Belliss & Morecom Limited, Birmingham, England. Turbine. No. 886,515; May 5; Sp. p. 341; Dr. p. 70; Gaz. vol. 134; p. 63.
- Jude, A., assignor to Belliss & Morecom Limited, Birmingham, England. Turbine. No. 895,644; Aug. 11; Sp. p. 1728; Dr. p. 366; Gaz. vol. 135; p. 1205.
- Jude, A., and R. K. Morecom, assignors to Belliss & Morecom Limited, Birmingham, England. Turbine. No. 900,739; Oct. 13; Sp. p. 1427; Dr. p. 290; Gaz. vol. 136; p. 1319.
- Judge, J., Pittston, Pa. Safety device for air-brakes. No. 897,748; Sept. 1; Sp. p. 1022; Dr. p. 217; Gaz. vol. 136; p. 165.
- Judge, J. R., Buffalo, N. Y. Filter. No. 879,270; Feb. 18; Sp. p. 2817; Dr. p. 590; Gaz. vol. 132; p. 1372.
- Judson, D. P., Verona, and H. C. Judson, Monterey, Pa. Car wheel and axle. No. 892,265; June 30; Sp. p. 6242; Dr. p. 1343; Gaz. vol. 134; p. 2185.
- Judson, F. I., Houston, Tex. Trick-pipe. No. 883,717; Apr. 7; Sp. p. 80; Dr. p. 12; Gaz. vol. 133; p. 1205.
- Judson, F. I., Houston, Tex. Aeroplane. No. 888,618; May 26; Sp. p. 4602; Dr. pp. 976-7; Gaz. vol. 134; p. 840.
- Judson, F. I., Houston, Tex. Trick amusement device. No. 892,432; July 7; Sp. p. 75; Dr. pp. 18-19; Gaz. vol. 135; p. 17.
- Judson, H. C. (See Judson, D. P. and H. C.)
- Judson L. Thomson M'fg. Co. (See Perrault, J. E., assignor.)
- Judson L. Thomson M'fg. Company. (See Leach, J. N., assignor.)
- Juengst, C. A., Croton Falls, N. Y. Signature-gathering machine. No. 893,510; July 14; Sp. p. 2282; Dr. p. 479; Gaz. vol. 135; p. 400.
- Juengst, C. A., Croton Falls, N. Y. Stapled signature for books. No. 893,511; July 14; Sp. p. 2285; Dr. p. 479; Gaz. vol. 135; p. 400.
- Juengst, C. A., Croton Falls, N. Y. Sewing signatures to form books. No. 893,512; July 14; Sp. p. 2287; Dr. p. 480; Gaz. vol. 135; p. 401.
- Juengst, C. A., Croton Falls, N. Y. Sewing signatures to form books. No. 893,513; July 14; Sp. p. 2288; Dr. p. 480; Gaz. vol. 135; p. 401.
- Julich, H., New Rochelle, N. Y. Adjustable band. No. 904,700; Nov. 24; Sp. p. 4451; Gaz. vol. 137; p. 807.
- Julien, R. H., Otisville, Minn. Gun-stock. No. 886,131; Apr. 28; Sp. p. 5082; Dr. p. 1066; Gaz. vol. 133; p. 2083.
- Julig, L., San Francisco, Cal. Clothes-hook. No. 884,165; Apr. 7; Sp. p. 1051; Dr. p. 219; Gaz. vol. 133; p. 1354.
- Julihn, L. G., Washington, D. C., assignor to Elliott-Fisher Company, New York, N. Y. Key-lock for key-operated machines. No. 888,645; Mar. 31; Sp. p. 6313; Dr. p. 1346; Gaz. vol. 133; p. 1154.
- Julihn, L. G., Washington, D. C., assignor to Elliott-Fisher Company, New York, N. Y. Combined recording and calculating machine. No. 903,866; Nov. 17; Sp. p. 2683; Gaz. vol. 137; p. 497.
- Julius, P., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Green dye and making same. No. 886,815; May 5; Sp. p. 984; Gaz. vol. 134; p. 161.
- Julius, P., and E. Fussenecker, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo dye and making same. No. 879,053; Feb. 11; Sp. p. 2374; Gaz. vol. 132; p. 1260.
- Jull, C. H., Ripley, N. Y. Meat-cutter. No. 906,032; Dec. 8; Sp. p. 1807; Gaz. vol. 137; p. 1310.
- Julien, M. A., and E. L. Dessolle, Levallois-Perret, France. Lithographic printing. No. 877,433; Jan. 21; Sp. p. 3583; Gaz. vol. 132; p. 652.
- Julien, M. A., and E. L. Dessolle, Levallois-Perret, France. Apparatus for making copper. No. 884,021; Apr. 7; Sp. p. 715; Dr. p. 145; Gaz. vol. 133; p. 1307.
- Julien, M. A., and E. L. Dessolle, Levallois-Perret, France. Rendering electrolytic copper homogeneous. No. 897,291; Sept. 1; Sp. p. 47; Dr. p. 11; Gaz. vol. 136; p. 11.
- Juliot, D., La Couture-Boussey, France, assignor to J. Mignolet, Denver, Colo. Flute. No. 901,913; Oct. 20; Sp. p. 3846; Dr. pp. 784-5; Gaz. vol. 136; p. 1738.
- Jumau, L., Paris, France. Electrometallurgical process for extracting copper from its ores. No. 883,961; Apr. 7; Sp. p. 598; Gaz. vol. 133; p. 1287.
- Jumau, L., Paris, France. Obtaining pure copper from a solution of copper. No. 883,962; Apr. 7; Sp. p. 599; Gaz. vol. 133; p. 1287.

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- Jumau, L., Paris, France. Obtaining pure copper. No. 885,622; Apr. 21; Sp. p. 4005; Gaz. vol. 133; p. 1885.
- Jungclauss, P. H., Glencoe, Minn. Soap-holder. No. 898,897; Sept. 15; Sp. p. 3293; Dr. p. 705; Gaz. vol. 136; p. 598.
- Junge, H., Baltimore, Md. Window-sash attachment. No. 899,406; Sept. 22; Sp. p. 4261; Dr. p. 914; Gaz. vol. 136; p. 790.
- Junge, O. J. (See Mestrand, A. C., assignor.)
- Jürgens, J. C. F., assignor to R. G. Witt, Hamburg, Germany. Device for producing intermitting light. No. 897,981; Sept. 8; Sp. p. 1540; Dr. p. 327; Gaz. vol. 136; p. 272.
- Jungermann, G. F., Kansas City, Mo. Bridle-bit. No. 876,461; Jan. 14; Sp. p. 1565; Dr. p. 335; Gaz. vol. 132; p. 287.
- Junggren, O. (See Emmet and Junggren.)
- Junggren, O., Schenectady, N. Y., assignor to General Electric Company. Bucket-securing means for turbines. No. 876,971; Jan. 21; Sp. p. 2640; Dr. p. 573; Gaz. vol. 132; p. 498.
- Junggren, O., Schenectady, N. Y., assignor to General Electric Company. Governing mechanism for turbines. No. 891,342; June 23; Sp. p. 4374; Dr. pp. 952-3; Gaz. vol. 134; p. 1848.
- Junghans, A., Schramberg, Germany. Segregation. No. 903,725; Nov. 10; Sp. p. 2375; Gaz. vol. 137; p. 418.
- Junghans, E., Sr. (See Holzwarth, H., assignor.)
- Jungner, E. W., Kneippbad, Norrköping, Sweden. Depolarizer for galvanic batteries. No. 884,664; Apr. 14; Sp. p. 2057; Dr. p. 439; Gaz. vol. 133; p. 1545.
- Jungner, E. W., Kneippbad, assignor to Nya Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Making electrodes. No. 880,027; Feb. 25; Sp. p. 4417; Gaz. vol. 132; p. 1653.
- Jungner, E. W., Kneippbad, Norrköping, assignor to Nya Ackumulator-Aktiebolaget Jungner, Stockholm, Sweden. Electrode for reversible galvanic batteries. No. 884,930; Apr. 14; Sp. p. 2581; Dr. p. 544; Gaz. vol. 133; p. 1630.
- Jungner, E. W., Kneippbad, Norrköping, Sweden. Gas element for converting the energy of combustible or other suitable reducing substances to electric current. No. 885,054; Apr. 21; Sp. p. 2838; Dr. p. 603; Gaz. vol. 133; p. 1703.
- Junius, G. E., Hagen, Germany, assignor to R. E. B. Sanderson, New York, N. Y. Black sulfur dye and making same. No. 901,970; Oct. 27; Sp. p. 3973; Gaz. vol. 136; p. 1747.
- Junkers, H., Aachen, Germany. Explosion-engine. No. 891,078; June 16; Sp. p. 3830; Dr. p. 837; Gaz. vol. 134; p. 1730.
- Junkin, P. S. (See Roseberry and Junkin.)
- Junkins, J. S., Seward, Pa. Punching, shearing, and pressing machine. No. 907,812; Dec. 29; Sp. p. 5329; Gaz. vol. 137; p. 1981.
- Junod, A., Fruitvale, Cal. Sound reproducer and recorder. No. 894,956; Aug. 4; Sp. p. 357; Dr. p. 72; Gaz. vol. 135; p. 953.
- Junod, A., Fruitvale, Cal. Talking-machine sound-box. No. 905,082; Nov. 24; Sp. p. 5234; Gaz. vol. 137; p. 933.
- Junor, K. F., et al. (See Paulson, C. J., assignor.)
- Junquera, B., Oviedo, Spain. Barometer. No. 888,015; May 19; Sp. p. 3405; Dr. p. 716; Gaz. vol. 134; p. 612.
- Jürgens, F., Sangerhausen, Germany. Soap-molding machine. No. 879,968; Feb. 25; Sp. p. 4306; Dr. p. 901; Gaz. vol. 132; p. 1634.
- Jürgens, F., Sangerhausen, Germany. Cooling soap. No. 896,551; Aug. 18; Sp. p. 3537; Dr. p. 760; Gaz. vol. 135; p. 1520.
- Jury, L. F., Vernaison, France. Extraction apparatus. No. 898,482; Sept. 15; Sp. p. 2505; Dr. p. 537; Gaz. vol. 136; p. 463.
- Just, A., and F. Hanaman, Budapest, Austria-Hungary. Manufacturing incandescent bodies for electric lamps. No. 878,463; Feb. 4; Sp. p. 1141; Gaz. vol. 132; p. 1035.
- Just, J. A., Syracuse, N. Y. Producing dried milk. No. 888,016; May 19; Sp. p. 3407; Dr. p. 716; Gaz. vol. 134; p. 612.
- Just, J. A., Syracuse, N. Y. Condensing milk. No. 888,017; May 19; Sp. p. 3411; Dr. p. 717; Gaz. vol. 134; p. 612.
- Just, J. A., Syracuse, N. Y. Evaporating apparatus. No. 888,018; May 19; Sp. p. 3414; Dr. p. 717; Gaz. vol. 134; p. 613.
- Just Mining and Extraction Company. (See Porter and Clark, assignors.)
- Just, T. D. (See MacIndoe, F., assignor.)
- Justice, C. M., Amo, Ind. Miter, try, and bevel square. No. 888,173; May 19; Sp. p. 3700; Dr. pp. 771-2; Gaz. vol. 134; p. 660.
- Justice, L. M., Louisville, Ohio. Lunch-case. No. 904,440; Nov. 17; Sp. p. 3895; Gaz. vol. 137; p. 692.
- Jutras, E., assignor to A. Beauchemin, Fall River, Mass. Harness-buckle guard. No. 883,807; Apr. 7; Sp. p. 263; Dr. p. 48; Gaz. vol. 133; p. 1235.
- Jven, W. (See Dietrich, F. W. H., assignor.)
- Jystad, J. O. (See Erickson and Jystad.)
- Kaar, I. J., Harelock, Nebr. Corn and potato planter. No. 877,344; Jan. 21; Sp. p. 3405; Dr. p. 739; Gaz. vol. 132; p. 622.
- Kabatchnick, F. (See Risting and Kabatchnick.)
- Kablitz, R., Riga, Russia. Feed-water heater for boilers. No. 886,516; May 5; Sp. p. 343; Dr. pp. 70-1; Gaz. vol. 134; p. 63.
- Kabureck, G., Jersey City, N. J. Umbrella-tip. No. 879,471; Feb. 18; Sp. p. 3246; Dr. p. 676; Gaz. vol. 132; p. 1437.
- Kabureck, G., Jersey City, N. J. Ventilator. No. 886,610; May 5; Sp. p. 530; Dr. p. 113; Gaz. vol. 134; p. 94.
- Kaczorowski, J. P. (See Grzeslowski, K., assignor.)
- Kadan, F. J., Baltimore, Md. Marking device. No. 878,293; Feb. 4; Sp. p. 822; Dr. p. 163; Gaz. vol. 132; p. 981.
- Kádár, R., and I. Róth, New York, N. Y. Lock. No. 903,726; Nov. 10; Sp. p. 2376; Gaz. vol. 137; p. 418.
- Kade, C. F., Sheboygan, Wis. Containing and dispensing vessel. No. 897,106; Aug. 25; Sp. p. 4702; Dr. p. 1002; Gaz. vol. 135; p. 1725.
- Kade, O. C., Chicago, Ill. Folding table. No. 900,552; Oct. 6; Sp. p. 1038; Dr. p. 213; Gaz. vol. 136; p. 1231.
- Kadiera, J., assignor of one-half to T. J. Hruby, Chicago, Ill. Turbine. No. 895,027; Aug. 4; Sp. p. 514; Dr. p. 104; Gaz. vol. 135; p. 978.
- Kadushin, H., New Rochelle, N. Y. Fountain-brush. No. 899,305; Sept. 22; Sp. p. 4083; Dr. p. 872; Gaz. vol. 136; p. 758.
- Kaemmerer, P., Steglitz, assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Folding photographic camera. No. 902,822; Nov. 3; Sp. p. 572; Gaz. vol. 137; p. 98.
- Kaeser, F., Highland, Ill. Can-polishing machine. No. 888,816; May 26; Sp. p. 5032; Dr. p. 1073; Gaz. vol. 134; p. 904.
- Kafer-Händels-Aktiengesellschaft. (See Meyer, Roselius, and Wimmer, assignors.)
- Kaga, B. V., Rockaway, Ohio. Railway-tie. No. 908,272; Dec. 29; Sp. p. 6295; Gaz. vol. 137; p. 2134.
- Kahan, S., New York, N. Y. Winding-indicator. No. 904,332; Nov. 17; Sp. p. 3699; Gaz. vol. 137; p. 657.
- Kahle, W. H., Pottsville, and M. Himmelreich, Philadelphia, Pa. Grinder for wood-planer knives. No. 900,284; Oct. 6; Sp. p. 456; Dr. p. 93-4; Gaz. vol. 136; p. 1143.
- Kahn, J., Detroit, Mich. Stair-tread. No. 884,493; Apr. 14; Sp. p. 1675; Dr. p. 360; Gaz. vol. 133; p. 1489.
- Kahn, J., assignor to Trussed Concrete Steel Company, Detroit, Mich. Expanded metal. No. 885,158; Apr. 21; Sp. p. 3067; Dr. p. 645; Gaz. vol. 133; p. 1737.
- Kahn, J., assignor to Trussed Concrete Steel Company, Detroit, Mich. Expanded metal. No. 889,312; June 2; Sp. p. 238; Dr. p. 58; Gaz. vol. 134; p. 1096.
- Kahn, M. M., Louisville, Ky. Telephone-receiver support. No. 898,898; Sept. 15; Sp. p. 3295; Dr. p. 705; Gaz. vol. 136; p. 599.
- Kahn, N. E., Woodbine, N. J., assignor to Stephenson & Co., Philadelphia, Pa. Flat knit cap. No. 898,376; Sept. 8; Sp. p. 2288; Dr. p. 487; Gaz. vol. 136; p. 397.
- Kail, C. E. (See Blodgett and Kail.)
- Kail, J. L., Chicago, Ill. Elevator-door. No. 895,467; Aug. 11; Sp. p. 1398; Dr. p. 293; Gaz. vol. 135; p. 1148.
- Kail, J. L., assignor to Winslow Brothers Company, Chicago, Ill. Hanging mechanism for laterally-movable doors. No. 898,224; Sept. 8; Sp. p. 2026; Dr. p. 429; Gaz. vol. 136; p. 348.
- Kailer, A. E., Naperville, assignor of one-half to M. C. Morlock, Chicago, Ill. Mail-bag-delivery apparatus. No. 898,655; Sept. 15; Sp. p. 2854; Dr. p. 610; Gaz. vol. 136; p. 520.
- Kain, A. H. (See Rittersbach, G. W., Jr., assignor.)
- Kain, W. P., assignor of one-half to W. W. Morgan, J. B. Sharp, and C. E. Woodruff, Bridgeton, N. J. Universal bottle and jar closure. No. 894,153; July 21; Sp. p. 3691; Dr. p. 766; Gaz. vol. 135; p. 641.
- Kaiser, A., Denver, Colo. Combined printing-machine and enlarging-camera. No. 894,154; July 21; Sp. p. 3692; Dr. pp. 766-7; Gaz. vol. 135; p. 642.
- Kaiser, F. A., Scranton, Pa. Mattress. No. 900,383; Oct. 6; Sp. p. 657; Dr. p. 135; Gaz. vol. 136; p. 1175.
- Kaiser, G. G., Harrison township, Clay county, Ind. Wood-burning stove. No. 900,384; Oct. 6; Sp. p. 658; Dr. p. 135; Gaz. vol. 136; p. 1175.
- Kaiser, K., Berlin, Germany. Obtaining metals from their ores. No. 904,263; Nov. 17; Sp. p. 3539; Gaz. vol. 137; p. 633.
- Kaiser, O. B., Norwood, Ohio, assignor of one-half to W. S. and W. S. Ludlow, Jr. Signal-alarm system. No. 876,192; Jan. 7; Sp. p. 980; Dr. p. 212; Gaz. vol. 132; p. 167.
- Kaiser, P. G., Chicago, Ill. Evaporator. No. 880,080; Feb. 25; Sp. p. 4531; Dr. pp. 953-4; Gaz. vol. 132; p. 1670.
- Kaisling, W., assignor to F. B. Cook, Chicago, Ill. Heat-coil and protector unit. No. 886,374; May 5; Sp. p. 63; Dr. p. 13; Gaz. vol. 134; p. 15.
- Kaisling, W., assignor to F. B. Cook, Chicago, Ill. Protective apparatus for switchboards and the like. No. 904,486; Nov. 17; Sp. p. 4015; Gaz. vol. 137; p. 708.
- Kaisling, W., assignor to M. G. Kellogg, Chicago, Ill. Telephone-transmitter. No. 903,197; Nov. 10; Sp. p. 1324; Gaz. vol. 137; p. 247.
- Kaiser, C. F., Lille, France. Torrefying apparatus for the textile industry. No. 882,691; Mar. 24; Sp. p. 4371; Dr. p. 930; Gaz. vol. 133; p. 816.
- Kalaba, M., New Rochelle, N. Y. Book tooling and lettering press. No. 892,847; July 7; Sp. p. 902; Dr. p. 192; Gaz. vol. 135; p. 152.
- Kalamazoo Loose Leaf Binder Company. (See Bushong, H. F., assignor.)
- Kalamazoo Tank and Silo Company. (See Youmans, G. P., assignor.)

Alphabetical list of patentees—Continued.

- Kales, J. W., Franklinville, N. Y. Gas or other explosive engine. No. 880,741; Mar. 3; Sp. p. 510; Dr. p. 105; Gaz. vol. 133; p. 89.
- Kalischer, G., Frankfurt-on-the-Main, Germany, assignor to Cassella Color Company, New York, N. Y. Brown azo dye and making same. No. 579,552; Feb. 18; Sp. p. 3417; Gaz. vol. 132; p. 1465.
- Kalischer, G., Frankfurt-on-the-Main, Germany, assignor to Cassella Color Company, New York, N. Y. Red trisazo dye and making same. No. 886,985; May 5; Sp. p. 1281; Gaz. vol. 134; p. 213.
- Kalkhurst, C. J., Beaver Dam, Wis. Seeder. No. 881,131; Mar. 10; Sp. p. 1275; Dr. p. 274; Gaz. vol. 133; p. 246.
- Kalkhurst, C. J., Beaver Dam, Wis. Trip mechanism for cultivators. No. 903,867; Nov. 17; Sp. p. 2699; Gaz. vol. 137; p. 497.
- Kallberg, E., Berlin, Germany, assignor to General Electric Company. Bucket-wheel for turbines. No. 894,659; July 28; Sp. p. 4747; Dr. p. 986; Gaz. vol. 135; p. 828.
- Kalling, L. (See Jones, A., assignor.)
- Kalling, L., Baltimore, Md. Sealing-cap for bottles. No. 882,888; Mar. 24; Sp. p. 4773; Dr. p. 1016; Gaz. vol. 133; p. 879.
- Kalling, L., Baltimore, Md. Bottle-sealing cap. No. 882,889; Mar. 24; Sp. p. 4774; Dr. p. 1016; Gaz. vol. 133; p. 879.
- Kalmbacher, J. L., Chicago, Ill. Lock-nut. No. 897,208; Aug. 25; Sp. p. 4887; Dr. p. 1041; Gaz. vol. 135; p. 1757.
- Kalsow, F. W., Manson, Iowa. Gate-hinge. No. 892,442; July 28; Sp. p. 4329; Dr. p. 892; Gaz. vol. 135; p. 758.
- Kalstrom, C. N., Manson, N. C. Combined sash and blind lock. No. 881,694; Mar. 10; Sp. p. 2380; Dr. p. 516; Gaz. vol. 133; p. 428.
- Kaltschmid, K., Oberriexingen, Germany. Heating-burner for liquid fuel. No. 906,237; Dec. 8; Sp. p. 2210; Gaz. vol. 137; p. 1378.
- Kaltwasser, L. F., Belleville, Ill. Sanitary display and cover attachment for barrels, jars, and other receptacles. No. 890,515; June 9; Sp. p. 2647; Dr. p. 585; Gaz. vol. 134; p. 1512.
- Kamerer, F. (See Hallett and Kamerer.)
- Kamerrer, W. C., Pullman, Wash. Egg-beater. No. 896,919; Aug. 25; Sp. p. 4322; Dr. pp. 925-6; Gaz. vol. 135; p. 1664.
- Kammer, B. von der. (See Kammer, J. von der, assignor.)
- Kammer, J. von der, assignor to B. von der Kammer, Washington, D. C. Metabolizer. No. 891,176; June 16; Sp. p. 4002; Dr. pp. 878-9; Gaz. vol. 134; p. 1760.
- Kammer, J. von der, assignor to B. von der Kammer, Washington, D. C. Metabolism of seed. No. 899,306; Sept. 22; Sp. p. 4085; Gaz. vol. 136; p. 759.
- Kammerer, V., Philadelphia, Pa. Mixing-machine. No. 887,254; May 12; Sp. p. 1829; Dr. p. 386; Gaz. vol. 134; p. 327.
- Kampe, J., Mercer, Wis. Combined square, gage, and bevel. No. 895,468; Aug. 11; Sp. p. 1401; Dr. p. 294; Gaz. vol. 135; p. 1148.
- Kampfe, O., New York, N. Y. Implement-handle. No. 876,718; Jan. 14; Sp. p. 2118; Dr. p. 465; Gaz. vol. 132; p. 375.
- Kampfe, O., New York, N. Y. Safety shaving device. No. 888,174; May 19; Sp. p. 3701; Dr. p. 772; Gaz. vol. 134; p. 661.
- Kampfe, O., New York, N. Y. Sweeper. No. 894,011; July 21; Sp. p. 3405; Dr. p. 696; Gaz. vol. 135; p. 594.
- Kampfe, O., New York, N. Y. Pocket implement. No. 899,407; Sept. 22; Sp. p. 4262; Dr. p. 914; Gaz. vol. 136; p. 790.
- Kampfe, O., New York, N. Y. Combination implement. No. 899,408; Sept. 22; Sp. p. 4263; Dr. p. 915; Gaz. vol. 136; p. 790.
- Kampfe, O., New York, N. Y. Eyeglasses. No. 899,409; Sept. 22; Sp. p. 4265; Dr. p. 915; Gaz. vol. 136; p. 791.
- Kampmeyer, C., Sr., et al. (See Kampmeyer and Fleisher, assignors.)
- Kampmeyer, F. E., Sr., and W. F. Fleisher, assignors of one-fourth to C. Kampmeyer, Sr., Pittsburg, Pa., and said F. E. Kampmeyer, Sr. Mail-delivering device. No. 895,272; Aug. 4; Sp. p. 1013; Dr. p. 212; Gaz. vol. 135; p. 1061.
- Kanagy, A. L. (See Hulett, F. P., assignor.)
- Kandall, A., Ferryville, Wis. Phonograph-stopping attachment. No. 902,739; Nov. 3; Sp. p. 410; Gaz. vol. 137; p. 70.
- Kandle, M. M., Longmeadow, assignor to Springfield Printing & Binding Company, Springfield, Mass. Device for detecting inaccurately folded sheets of paper. No. 908,412; Dec. 29; Sp. p. 6592; Gaz. vol. 137; p. 2183.
- Kandó, C. de, Budapest, Austria-Hungary, assignor, by mesne assignments, to Westinghouse Machine Company. Pressure device for electric-current collectors. No. 875,788; Jan. 7; Sp. p. 214; Dr. pp. 46-7; Gaz. vol. 132; p. 39.
- Kandó, C. de, Budapest, Austria-Hungary, assignor, by mesne assignments, to Westinghouse Machine Company. Pressure device for electric-current collectors. No. 875,822; Jan. 7; Sp. p. 272; Dr. pp. 59-60; Gaz. vol. 132; p. 51.
- Kane, H. J. (See Rogers and Kane.)
- Kane, J. W., New York, N. Y. Fire-tank. No. 907,504; Dec. 22; Sp. p. 4654; Gaz. vol. 137; p. 1850.
- Kane, M. M., Rome, Ga., assignor of one-half to W. J. Gardner, Montgomery, Ala. Sheet-metal can. No. 892,848; July 7; Sp. p. 906; Dr. p. 193; Gaz. vol. 135; p. 153.
- Kane, M. M., assignor of one-half to W. J. Gardner, Montgomery, Ala. Railway-signal. No. 906,238; Dec. 8; Sp. p. 2211; Gaz. vol. 137; p. 1379.
- Kane, P. H., Buffalo, N. Y. Blowing-engine. No. 883,316; Mar. 31; Sp. p. 5637; Dr. p. 1202; Gaz. vol. 133; p. 1050.
- Kane, T. H., and A. J. Uitubees, Milwaukee, Wis. Step-cover for railway-coach vestibules. No. 899,540; Sept. 29; Sp. p. 4532; Dr. p. 974; Gaz. vol. 136; p. 870.
- Kanke, G. H., St. Louis, Mo. Wagon-brake. No. 896,391; Aug. 18; Sp. p. 3209; Dr. pp. 687-8; Gaz. vol. 135; p. 1467.
- Kanmacher, S. H., Schenectady, N. Y., assignor to General Electric Company. Limit-switch device. No. 891,425; June 23; Sp. p. 4547; Dr. p. 989; Gaz. vol. 134; p. 1876.
- Kann, S., New York, N. Y. Crayon-sharpener. No. 901,622; Oct. 20; Sp. p. 3254; Dr. p. 667; Gaz. vol. 136; p. 1643.
- Kannenber, B. H., Chicago, Ill., assignor to American Can Company, New York, N. Y. Removable-cover sheet-metal can. No. 893,630; July 21; Sp. p. 2556; Dr. p. 533; Gaz. vol. 135; p. 469.
- Kanonenberg, H., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Recoil-gun with recuperator-spring. No. 886,611; May 5; Sp. p. 532; Dr. p. 113; Gaz. vol. 134; p. 94.
- Kanski, R. T., New York, N. Y. Protective setting for metallic bodies in concrete. No. 889,240; June 2; Sp. p. 93; Dr. p. 21; Gaz. vol. 134; p. 1073.
- Kantrowitz, L., New York, N. Y. Sparking plug. No. 888,711; May 26; Sp. p. 4762; Dr. p. 1020; Gaz. vol. 134; p. 870.
- Kapenos, C., Pittsburg, Pa. Valve. No. 888,817; May 26; Sp. p. 5034; Dr. p. 1074; Gaz. vol. 134; p. 905.
- Kapff, S., Aix-la-Chapelle, assignor, by mesne assignments, to Nitritfabrik Aktiengesellschaft, Cöpenick, near Berlin, Germany. Mor-danting wool. No. 879,553; Feb. 18; Sp. p. 3418; Gaz. vol. 132; p. 1465.
- Kapff, S. von, Boxgraben-Aachen, Germany, Producing diformin. No. 901,298; Oct. 13; Sp. p. 2539; Gaz. vol. 136; p. 1499.
- Kaplan, G. J., Owatonna, Minn., assignor to Perfection Churn Company. Combined churn and butter-worker. No. 880,081; Feb. 25; Sp. p. 4534; Dr. p. 954; Gaz. vol. 132; p. 1670.
- Kapp, E. W., Los Angeles, Cal. Wave-motor. No. 876,193; Jan. 7; Sp. p. 983; Dr. p. 212; Gaz. vol. 132; p. 167.
- Kapp, G. L. A., Hamburg, Germany. Roller for wringing-machines, mangles, and the like. No. 903,096; Nov. 3; Sp. p. 1125; Gaz. vol. 137; p. 184.
- Kappelmann, J. H., Washington, Kans. Windmill. No. 877,434; Jan. 21; Sp. p. 3584; Dr. p. 775; Gaz. vol. 132; p. 652.
- Kappler, G. E., et al. (See Rogers, J., assignor.)
- Kappler, P. and C., Düren, Germany. Manufacturing wire pile fabrics from printed warps. No. 902,413; Oct. 27; Sp. p. 4894; Dr. p. 991; Gaz. vol. 136; p. 1930.
- Kapun, E., Szigetvár-Szentihalyfa, Austria-Hungary. Clasp with pencil-chain for note-books, documents, or the like. No. 883,718; Apr. 7; Sp. p. 82; Dr. p. 13; Gaz. vol. 133; p. 1206.
- Karasek, K., and J. Aumund, Zurich, Switzerland. Adding-machine. No. 883,719; Apr. 7; Sp. p. 83; Dr. p. 13; Gaz. vol. 133; p. 1206.
- Karch, J. P. (See Guthrie, B., assignor.)
- Kardos, H., Homestead, Pa. Table. No. 901,914; Oct. 20; Sp. p. 3848; Dr. p. 785; Gaz. vol. 136; p. 1738.
- Karfunkel, A. (See Alexander-Katz and Karfunkel.)
- Karger, L., Ehrenfeld, Germany. Pressure-regulator for compressed-gas plants. No. 876,359; Jan. 14; Sp. p. 1335; Dr. p. 290; Gaz. vol. 132; p. 253.
- Karges, J. J., Kansas City, Mo. Display-rack. No. 903,821; Nov. 10; Sp. p. 2576; Gaz. vol. 137; p. 450.
- Karle, J. D., Bridgeport, Conn., assignor, by mesne assignments, to Singer Manufacturing Company. Blind riveting. No. 894,210; July 28; Sp. p. 3835; Dr. p. 794; Gaz. vol. 135; p. 681.
- Karle, T., Boston, Mass. King-bolt spring. No. 904,067; Nov. 17; Sp. p. 3107; Gaz. vol. 137; p. 565.
- Karlin, H. B., Stockholm, Sweden. Elastic-fluid turbine. No. 905,437; Dec. 1; Sp. p. 658; Gaz. vol. 137; p. 1089.
- Karn, W. H., Milo, Ohio. Railway-gate. No. 886,816; May 5; Sp. p. 985; Dr. pp. 206-7; Gaz. vol. 134; p. 161.
- Karns, J. H., Warren, Ind. Combined stop and check. No. 898,377; Sept. 8; Sp. p. 2290; Dr. p. 487; Gaz. vol. 136; p. 398.
- Karns, J. P., assignor to J. P. Karns Tunneling Machine Co., Boulder, Colo. Sink-shaft drill. No. 879,822; Feb. 18; Sp. p. 3968; Dr. pp. 830-1; Gaz. vol. 132; p. 1552.
- Karns, J. P., assignor to J. P. Karns Tunneling Machine Co., Boulder, Colo. Drill-head and cutter-blade therefor. No. 883,137; Mar. 24; Sp. p. 5262; Dr. pp. 1123-4; Gaz. vol. 133; p. 961.
- Karns, J. P., assignor to J. P. Karns Tunneling Machine Co., Boulder, Colo. Rotating means for reciprocating shafts. No. 889,136; May 26; Sp. p. 5609; Dr. p. 1200; Gaz. vol. 134; p. 1007.
- Karns, J. P., assignor to J. P. Karns Tunneling Machine Co., Boulder, Colo. Drilling-machine. No. 892,849; July 7; Sp. p. 907; Dr. pp. 193-4; Gaz. vol. 135; p. 153.
- Karns, J. P., assignor to J. P. Karns Tunneling Machine Co., Boulder, Colo. Antifriction-bearing. No. 906,496; Dec. 8; Sp. p. 2677; Gaz. vol. 137; p. 1462.

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- Karpen, I., assignor to S. Karpen & Bros., Chicago, Ill. Upholstery-machine. No. 890,564; June 9; Sp. p. 2741; Dr. p. 606; Gaz. vol. 134; p. 1529.
- Karpen, I., assignor to S. Karpen & Bros., Chicago, Ill. Upholstering-machine. No. 903,097; Nov. 3; Sp. p. 1126; Gaz. vol. 137; p. 184.
- Karper, I. H., *et al.* (See Kilpatrick, R. W., assignor.)
- Karr, F., Holland, Mich. Mattress. No. 908,273; Dec. 29; Sp. p. 6296; Gaz. vol. 137; p. 2134.
- Karr, M. S., Newark, N. J. Fastening-pin. No. 893,171; July 14; Sp. p. 1591; Dr. p. 337; Gaz. vol. 135; p. 289.
- Karrer, J., assignor to Maschinenfabrik Oerlikon, Oerlikon, near Zurich, Switzerland. Multiple-stage turbine. No. 889,019; May 26; Sp. p. 5429; Dr. pp. 1153-4; Gaz. vol. 134; p. 969.
- Karrer, J., Zurich, assignor to Firm of Maschinenfabrik Oerlikon, Oerlikon, near Zurich, Switzerland. Turbine-wheel. No. 893,077; July 14; Sp. p. 1395; Dr. p. 295; Gaz. vol. 135; p. 258.
- Karrmann, J., Indianapolis, Ind. Closure for jars, bottles, and the like. No. 888,818; May 26; Sp. p. 5035; Dr. p. 1074; Gaz. vol. 134; p. 905.
- Karron, L. (See Meltzer and Karron.)
- Kasch, F. C., Akron, Ohio. Ventilator. No. 907,813; Dec. 29; Sp. p. 5332; Gaz. vol. 137; p. 1982.
- Kashian, M. H., Amesbury, Mass. Apparatus for making seat-bodies for automobiles. No. 878,636; Feb. 11; Sp. p. 1604; Dr. p. 327; Gaz. vol. 132; p. 1128.
- Kasjens, J. G., Peoria, Ill. Faucet. No. 900,385; Oct. 6; Sp. p. 660; Dr. p. 136; Gaz. vol. 136; p. 1176.
- Kaspar, A., Shiner, Texas. Wire basket. No. 906,634; Dec. 15; Sp. p. 2936; Gaz. vol. 137; p. 1530.
- Kaspar, H., and J. Krejci, assignors to Double Pointed Safety Pin Mfg. Co., Tyndall, S. D. Safety-pin. No. 877,085; Jan. 21; Sp. p. 2875; Dr. p. 621; Gaz. vol. 132; p. 536.
- Kasparson, A. B., assignor to Howard Brothers Manufacturing Company, Worcester, Mass. Device for attachment to card-clothing. No. 896,023; Aug. 11; Sp. p. 2497; Dr. p. 537; Gaz. vol. 135; p. 1328.
- Kaspis, A. von, Pittsfield, Mass., assignor of one-half to A. K. Botsford, Saranac Lake, N. Y. Cigar cutter and lighter. No. 876,883; Jan. 14; Sp. p. 2425; Dr. p. 529; Gaz. vol. 132; p. 428.
- Kassander, L., New York, and F. A. Kelsey, Mount Vernon, assignors to Nathan Manufacturing Company, New York, N. Y. Oil-pump lubricator. No. 908,274; Dec. 29; Sp. p. 6298; Gaz. vol. 137; p. 2134.
- Kasse, A., assignor of two-thirds to S. Manheimer and F. C. Ficker, New York, N. Y. Skirt. No. 898,747; Sept. 15; Sp. p. 3019; Dr. p. 646; Gaz. vol. 136; p. 549.
- Kassler, F. W., assignor of one-half to I. Wagner, St. Louis, Mo. Coin-controlled lock. No. 902,086; Oct. 27; Sp. p. 4216; Dr. p. 854; Gaz. vol. 136; p. 1824.
- Kast, J., Boston, assignor of one-fourth to G. H. Lindeboon, Malden, Mass. Clamp for rope belting. No. 903,727; Nov. 10; Sp. p. 2378; Gaz. vol. 137; p. 418.
- Kaste, F. O., *et al.* (See Francis, Kaste, and Gross.)
- Kastor, A., New York, N. Y. Razor. No. 888,019; May 19; Sp. p. 3417; Dr. p. 717; Gaz. vol. 134; p. 613.
- Kates, I., Washington, D. C. Attachment for gas-fixtures. No. 896,995; Aug. 25; Sp. p. 4486; Dr. p. 957; Gaz. vol. 135; p. 1688.
- Katterjohn, W. W., Henderson, Ky. Circuit-closer for fire-alarm circuits. No. 904,786; Nov. 24; Sp. p. 4645; Gaz. vol. 137; p. 835.
- Katz, M., Dorna Watra, Austria-Hungary. Interest-calculator. No. 892,526; July 7; Sp. p. 205; Dr. p. 56; Gaz. vol. 135; p. 49.
- Katzenbach, A. M., Greenup, Ill. Jar-support. No. 877,507; Jan. 28; Sp. p. 3737; Dr. p. 808; Gaz. vol. 132; p. 696.
- Katzenberger, O., San Antonio, Tex. Key. No. 877,930; Feb. 4; Sp. p. 72; Dr. p. 15; Gaz. vol. 132; p. 861.
- Katzenberger, O., San Antonio, Tex. Padlock. No. 877,931; Feb. 4; Sp. p. 73; Dr. p. 15; Gaz. vol. 132; p. 861.
- Katzenberger, O., San Antonio, Tex. Vaginal syringe. No. 903,098; Nov. 3; Sp. p. 1128; Gaz. vol. 137; p. 184.
- Katzenmeyer, W. S., Lakewood, Ohio. Horse-blanket. No. 876,560; Jan. 14; Sp. p. 1777; Dr. p. 388; Gaz. vol. 132; p. 322.
- Katzstein, G. B., Sacramento, Cal. Fruit-crate. No. 876,061; Jan. 7; Sp. p. 724; Dr. p. 155; Gaz. vol. 132; p. 125.
- Katzmann, W., Chicago, Ill. Fireless stove. No. 878,534; Feb. 11; Sp. p. 1366; Dr. p. 280; Gaz. vol. 132; p. 1093.
- Kauermann, H. A., assignor to Firm of Duisburger Maschinenbau Aktiengesellschaft vorm. Bechem & Keetman, Duisburg, Germany. Coal-bunker for men-of-war. No. 897,374; Sept. 1; Sp. p. 270; Dr. pp. 55-6; Gaz. vol. 136; p. 41.
- Kauffman, A. B., *et al.* (See Humphrey, E. H., assignor.)
- Kauffman, E. F., York, Pa. Insect-destroyer. No. 901,348; Oct. 20; Sp. p. 2655; Dr. p. 544; Gaz. vol. 136; p. 1551.
- Kauffman, E. W. O., Keyser, W. Va. Gun-cleaner. No. 877,778; Jan. 28; Sp. p. 4263; Dr. p. 926; Gaz. vol. 132; p. 783.
- Kauffman, J. H., Hope, Kans. Band-cutter and feeder. No. 881,931; Mar. 17; Sp. p. 2896; Dr. pp. 617-18; Gaz. vol. 133; p. 535.
- Kauffman, A. G., New York, N. Y. Safety-pin. No. 891,426; June 23; Sp. p. 4549; Dr. p. 989; Gaz. vol. 134; p. 1876.
- Kauffman, A. G., and L. J. Lippmann, assignors to American Callaphone Company, New York, N. Y. Telephone-transmitter. No. 900,386; Oct. 6; Sp. p. 662; Dr. p. 136; Gaz. vol. 136; p. 1176.
- Kauffman, A. G., and L. J. Lippmann, assignors to American Callaphone Company, New York, N. Y. Telephone-receiver. No. 900,387; Oct. 6; Sp. p. 665; Dr. pp. 136-7; Gaz. vol. 136; p. 1176.
- Kauffman, H. E. (See Britton, E., assignor.)
- Kaufman, I., Baltimore, Md. Marking-tag. No. 895,469; Aug. 11; Sp. p. 1402; Dr. p. 294; Gaz. vol. 135; p. 1148.
- Kaufman, I., Baltimore, Md. Marking-tag. No. 906,718; Dec. 15; Sp. p. 3093; Gaz. vol. 137; p. 1557.
- Kaufman, J., Hazleton, Pa. Headlight-operating device. No. 906,141; Dec. 8; Sp. p. 2016; Gaz. vol. 137; p. 1345.
- Kaufman, J., Hazleton, assignor of one-third to H. H. Shellenberger, Easton, Pa. Trolley for cars. No. 904,877; Nov. 24; Sp. p. 4846; Gaz. vol. 137; p. 866.
- Kaufman, W. R., Sulphur, Okla. Smoking-pipe. No. 901,915; Oct. 20; Sp. p. 3849; Dr. p. 785; Gaz. vol. 136; p. 1738.
- Kaufmann, F. J., Fultonville, N. Y., assignor, by mesne assignments, to Singer Manufacturing Company. Sewing-machine attachment. No. 881,187; Mar. 10; Sp. p. 1380; Dr. pp. 297-8; Gaz. vol. 133; p. 264.
- Kaufmann, J. W., and E. M. Kramer, Paxton, Ill. Soil-pulverizing attachment for plows. No. 907,505; Dec. 22; Sp. p. 4656; Gaz. vol. 137; p. 1850.
- Kaufmann, J. W. (See Kramer and Kaufmann.)
- Kaufmann, W. (See Neutra, S., assignor.)
- Kaump, L. A., Sioux City, Iowa. Seed tester and propagator. No. 894,211; July 28; Sp. p. 3835; Dr. pp. 794-5; Gaz. vol. 135; p. 681.
- Kausen, C., New York, N. Y. Automatic electric safety device for boilers, &c. No. 899,220; Sept. 22; Sp. p. 3906; Dr. p. 834; Gaz. vol. 136; p. 731.
- Kavanagh, M. J. (See Wolfe and Kavanagh.)
- Kavanaugh, L., Waterford, N. Y. Cooling castings. No. 899,736; Sept. 29; Sp. p. 4937; Dr. p. 1059; Gaz. vol. 136; p. 933.
- Kavanaugh, J. T. (See Morrison, L. E., assignor.)
- Kay, A. E., Chicago, Ill. Valve-stem and tire-deflation alarm. No. 881,410; Mar. 10; Sp. p. 1532; Dr. pp. 397-8; Gaz. vol. 133; p. 336.
- Kay Brothers. (See Kay, T., assignor.)
- Kay, T., Moorfield, Stockport, assignor to Kay Brothers, Limited, Stockport, England. Fly-catcher. No. 883,203; Mar. 31; Sp. p. 5404; Dr. p. 1151; Gaz. vol. 133; p. 1013.
- Kay, T. W., Scranton, Pa. Pigeon-trap. No. 880,219; Feb. 25; Sp. p. 4814; Dr. pp. 1019-20; Gaz. vol. 132; p. 1716.
- Kay, W. E. (See Kehnert, E. E., assignor.)
- Kazanjan, T. B., Jersey City, N. J. Cloth-finishing machine. No. 889,851; June 2; Sp. p. 1282; Dr. p. 294; Gaz. vol. 134; p. 1268.
- Kazimer, A. S., Fishkill-on-the-Hudson, N. Y. Metallic rail-tie. No. 899,990; Sept. 29; Sp. p. 5489; Dr. p. 1169; Gaz. vol. 136; p. 1016.
- Keagle, R. E., Lodi, Cal. Building-block. No. 898,656; Sept. 15; Sp. p. 2857; Dr. p. 610; Gaz. vol. 136; p. 521.
- Kean, T. M., New York, N. Y. Non-refillable bottle. No. 893,514; July 14; Sp. p. 2290; Dr. p. 480; Gaz. vol. 135; p. 401.
- Keane, J. P., Wallace, Idaho. Tunneling in rock. No. 877,779; Jan. 28; Sp. p. 4264; Dr. p. 926; Gaz. vol. 132; p. 783.
- Kear, W. M. (See Foster and Kear.)
- Kearney, R. S., New York, N. Y. Spark-plug guard. No. 897,466; Sept. 1; Sp. p. 466; Dr. p. 99; Gaz. vol. 136; p. 74.
- Kearns, J. (See Wolf, F. O., assignor.)
- Kearsey, F. W., Montreal, Quebec, Canada. Lamp. No. 883,720; Apr. 7; Sp. p. 86; Dr. p. 13; Gaz. vol. 133; p. 1206.
- Keasbey & Mattison Company. (See Mattison, R. V., assignor.)
- Keasbey & Mattison Company. (See Wade, C. E., assignor.)
- Keasey, E. A., Ligonier, Ind. Invalid-bed. No. 884,393; Apr. 14; Sp. p. 1470; Dr. p. 314; Gaz. vol. 133; p. 1456.
- Keating, B. F., Hawthorn, Victoria, Australia. Talking-machine attachment. No. 885,484; Apr. 21; Sp. p. 3716; Dr. p. 781; Gaz. vol. 133; p. 1843.
- Keating, H., *et al.* (See Norstrom, N. E., assignor.)
- Keating, J. W., Portland, Oreg. Switch-operating mechanism. No. 891,427; June 23; Sp. p. 4550; Dr. p. 989; Gaz. vol. 134; p. 1877.
- Keck, A., Schenectady, N. Y. Line-tightener. No. 898,899; Sept. 15; Sp. p. 3296; Dr. p. 705; Gaz. vol. 136; p. 599.
- Keck, C., Crescent Springs, Ky. Cloth-refinishing device. No. 877,086; Jan. 21; Sp. p. 2877; Dr. p. 621; Gaz. vol. 132; p. 536.
- Keck, G. S., Baltimore, Md. Trolley-guard. No. 894,212; July 28; Sp. p. 3838; Dr. p. 795; Gaz. vol. 135; p. 682.
- Keck, H. A., Wapello, Iowa. Automatic fan attachment for rocking-chairs. No. 894,012; July 21; Sp. p. 3406; Dr. p. 697; Gaz. vol. 135; p. 595.
- Kee, A. H., Coy, Okla. Kafir-corn header. No. 895,470; Aug. 11; Sp. p. 1403; Dr. p. 294; Gaz. vol. 135; p. 1149.
- Keedler, F. M., Norwalk, Ohio. Coat-hanger. No. 897,292; Sept. 1; Sp. p. 48; Dr. p. 11; Gaz. vol. 136; p. 11.

Alphabetical list of patentees—Continued.

- Keefe Consolidated Railway Time Saving Co. (See Keefe, M. C., assignor.)
 Keefe, M. C., assignor to Keefe Consolidated Railway Time Saving Co., Salt Lake City, Utah. Catcher and delivery system for railways. No. 896,024; Aug. 11; Sp. p. 2498; Dr. p. 538; Gaz. vol. 135; p. 1328.
 Keefe, P. T., New York, N. Y. Drying-reel for fishing-lines. No. 877,200; Jan. 21; Sp. p. 3129; Dr. p. 679; Gaz. vol. 132; p. 576.
 Keefe, P. T., New York, N. Y. Burglar-alarm. No. 901,349; Oct. 20; Sp. p. 2657; Dr. p. 544; Gaz. vol. 136; p. 1552.
 Keeler, E. J., North Manchester, Ind. Perfume-vaporizer. No. 896,552; Aug. 18; Sp. p. 3539; Dr. p. 760; Gaz. vol. 135; p. 1521.
 Keeler-Heart Iron and Steel Company. (See Welch, J. R., assignor.)
 Keegan, J. P., Somers Center, N. Y. Combination envelop and inclosure. No. 884,394; Apr. 14; Sp. p. 1471; Dr. p. 314; Gaz. vol. 133; p. 1456.
 Keegan, W. J., Winthrop, N. Y. Drilling-machine. No. 901,106; Oct. 13; Sp. p. 2175; Dr. p. 442; Gaz. vol. 136; p. 1437.
 Keehl, A. R. (See Keehl, W. F. and A. R.)
 Keehl, W. F. and A. R., Cleveland, Ohio. Railway-rail. No. 903,292; Nov. 10; Sp. p. 1514; Gaz. vol. 137; p. 279.
 Keel, C. E., Indianapolis, Ind. Lathe tool-holder. No. 897,625; Sept. 1; Sp. p. 786; Dr. p. 165; Gaz. vol. 136; p. 124.
 Keel, J., Leary, Ga. Lace-cabinet. No. 907,605; Dec. 22; Sp. p. 4874; Gaz. vol. 137; p. 1883.
 Keeler, F. W., assignor of one-half to W. Morants, Temple, Tex. Means for automatically closing electric circuits. No. 879,648; Feb. 18; Sp. p. 3623; Dr. p. 753; Gaz. vol. 132; p. 1495.
 Keeler, H. E., New York, N. Y., assignor to Curtain Supply Company, Chicago, Ill. Curtain-fixture. No. 877,893; Jan. 28; Sp. p. 4479; Dr. p. 976; Gaz. vol. 132; p. 819.
 Keeler, H. E., New York, N. Y., assignor to Curtain Supply Company, Chicago, Ill. Curtain-fixture. No. 894,740; July 28; Sp. p. 4898; Dr. p. 1019; Gaz. vol. 135; p. 854.
 Keeler, H. L., Lundys Lane, Pa. Actuating mechanism for station-indicators. No. 903,728; Nov. 10; Sp. p. 2379; Gaz. vol. 137; p. 418.
 Keeler, I. J., Cameron, Mo. Lifting-jack. No. 882,066; Mar. 17; Sp. p. 3181; Dr. p. 676; Gaz. vol. 133; p. 579.
 Keeley, J. W., Philadelphia, Pa. Power-hammer. No. 904,701; Nov. 24; Sp. p. 4452; Gaz. vol. 137; p. 807.
 Keely, N. K., assignor to J. E. Rice, Owensboro, Ky. Depressor for fruit-jars. No. 900,740; Oct. 13; Sp. p. 1430; Dr. p. 290; Gaz. vol. 136; p. 1319.
 Keely, W. J., assignor to Autopiano Company, New York, N. Y. Means for opening and closing panels of musical instruments. No. 875,823; Jan. 7; Sp. p. 275; Dr. p. 60; Gaz. vol. 132; p. 51.
 Keely, W. J., assignor to Autopiano Co., New York, N. Y. Tracker-bar and music-sheet mechanism. No. 902,495; Oct. 27; Sp. p. 5095; Dr. p. 1031; Gaz. vol. 136; p. 1959.
 Keely, W. J., assignor to Autopiano Company, New York, N. Y. Sectional modulating attachment for musical instruments. No. 902,556; Oct. 27; Sp. p. 5201; Dr. p. 1050; Gaz. vol. 136; p. 1973.
 Keelor, H. C. (See Watt and Keelor.)
 Keen, C. W., Lodi, Cal. Rotary implement. No. 881,932; Mar. 17; Sp. p. 2899; Dr. p. 618; Gaz. vol. 133; p. 535.
 Keen, E., New York, N. Y., assignor to J. H. Eggers, Summit, N. J. Device for producing moving-picture effects. No. 885,674; Apr. 21; Sp. p. 4113; Dr. p. 861; Gaz. vol. 133; p. 1902.
 Keen, J. J., Philadelphia, Pa. Adjustable support for culinary vessels. No. 894,660; July 28; Sp. p. 4749; Dr. p. 986; Gaz. vol. 135; p. 828.
 Keen, M., Philadelphia, Pa. Phonograph. No. 907,814; Dec. 29; Sp. p. 5334; Gaz. vol. 137; p. 1982.
 Keen, S. S., Cottondale, Ala. Railway-spike. No. 899,991; Sept. 29; Sp. p. 5491; Dr. p. 1169; Gaz. vol. 136; p. 1017.
 Keenan, J. J., et al. (See Reinhardt, J. H., assignor.)
 Keenan, J. P., Waterbury, Conn. Score-board. No. 907,506; Dec. 22; Sp. p. 4657; Gaz. vol. 137; p. 1851.
 Keenan, T., Brooklyn, N. Y. Cleaning feed-water regulators. No. 907,606; Dec. 22; Sp. p. 4875; Gaz. vol. 137; p. 1883.
 Keeney, A. M. (See Crockett, H. P., assignor.)
 Keepfer, T., Philadelphia, Pa. Mail receiving and delivery apparatus. No. 893,515; July 14; Sp. p. 2291; Dr. p. 480; Gaz. vol. 135; p. 401.
 Keeran, C. E., Harrington, Wash. Sack-filling apparatus. No. 893,516; July 14; Sp. p. 2292; Dr. p. 481; Gaz. vol. 135; p. 402.
 Keeran, C. R., Champaign, Ill. Detachable spout. No. 877,435; Jan. 21; Sp. p. 3586; Dr. p. 776; Gaz. vol. 132; p. 652.
 Keever, F. B. (See Woodworth, T. C., assignor.)
 Kefenstein, H. O., New Orleans, La. Boiler. No. 902,740; Nov. 3; Sp. p. 411; Gaz. vol. 137; p. 71.
 Kegg, M. B., Toledo, Ohio. Combination-undergarment. No. 880,220; Feb. 25; Sp. p. 4820; Dr. p. 1020; Gaz. vol. 132; p. 1717.
 Kehl, F. A., and A. F. Wright, Tacoma, Wash. Automatic fire-alarm trip. No. 901,243; Oct. 13; Sp. p. 2409; Dr. p. 494; Gaz. vol. 135; p. 1480.
 Kehnert, E. E., Lorain, assignor to W. E. Kay, Amherst, Ohio. Gas-burner. No. 879,823; Feb. 18; Sp. p. 3970; Dr. p. 831; Gaz. vol. 132; p. 1553.
 Kehoe, J., et al. (See Metz, E. C., assignor.)
 Kehoe, P. A., Tompkinsville, N. Y. Manufacture of scrap and other books. No. 906,719; Dec. 15; Sp. p. 3095; Gaz. vol. 137; p. 1557.
 Kehoe, T. J., Dayton, Ohio. Lubricating-oil feeder. No. 895,766; Aug. 11; Sp. p. 1981; Dr. p. 419; Gaz. vol. 135; p. 1244.
 Kehoe, T. J., Dayton, Ohio. Radiator. No. 895,767; Aug. 11; Sp. p. 1983; Dr. p. 419; Gaz. vol. 135; p. 1245.
 Keibel, C., Kottbus, Germany. Potato-harvesting machine. No. 904,264; Nov. 17; Sp. p. 3540; Gaz. vol. 137; p. 633.
 Keiderling, J. H., Boundbrook, N. J. Bogie-truck. No. 890,064; June 9; Sp. p. 1745; Dr. p. 386-7; Gaz. vol. 134; p. 1367.
 Keighley, F. C., Uniontown, Pa. Metallic beam. No. 897,539; Sept. 1; Sp. p. 617; Dr. p. 128; Gaz. vol. 136; p. 97.
 Keighley, F. C., Uniontown, Pa. Composite beam. No. 897,982; Sept. 8; Sp. p. 1543; Dr. p. 327; Gaz. vol. 136; p. 273.
 Keighley, F. C., Uniontown, Pa. Mine-roof support. No. 904,878; Nov. 24; Sp. p. 4847; Gaz. vol. 137; p. 866.
 Keighley & Sons, C. (See Keighley, W. B., assignor.)
 Keighley, W. B., assignor to C. Keighley & Sons, Vineland, N. J. Welt-beating machine. No. 897,626; Sept. 1; Sp. p. 787; Dr. p. 165; Gaz. vol. 136; p. 125.
 Keighley, W. G. M., and H. Netherwood, Huddersfield, England. Machine for cutting the pile of weft pile fabrics. No. 876,462; Jan. 14; Sp. p. 1566; Dr. pp. 335-7; Gaz. vol. 132; p. 288.
 Keil, C. F., Baltimore, Md. Holder for swinging scaffolds. No. 903,478; Nov. 10; Sp. p. 1884; Gaz. vol. 137; p. 340.
 Keil, H. F., Bronxville, N. Y. Lock. No. 882,067; Mar. 17; Sp. p. 3183; Dr. p. 677; Gaz. vol. 133; p. 579.
 Keil, H. F., Bronxville, N. Y. Reinforcing means for metal plates. No. 885,623; Apr. 21; Sp. p. 4008; Dr. p. 837; Gaz. vol. 133; p. 1885.
 Keil, H. F., Bronxville, N. Y. Lock. No. 886,219; Apr. 28; Sp. p. 5223; Dr. p. 1100; Gaz. vol. 133; p. 2110.
 Keil, H. F., Bronxville, N. Y. Lock. No. 887,817; May 19; Sp. p. 3015; Dr. p. 634; Gaz. vol. 134; p. 547.
 Keil, H. F., Bronxville, N. Y. Lock. No. 892,266; June 30; Sp. p. 6243; Dr. p. 1343; Gaz. vol. 134; p. 2185.
 Keil, H. F., Bronxville, N. Y. Lock. No. 898,748; Sept. 15; Sp. p. 3020; Dr. p. 647; Gaz. vol. 136; p. 549.
 Keil, H. F., Bronxville, N. Y. Electric floor push-button. No. 903,577; Nov. 10; Sp. p. 2092; Gaz. vol. 137; p. 373.
 Keil, R., Eisleben, Germany. Radio-active composition. No. 901,177; Oct. 13; Sp. p. 2293; Gaz. vol. 136; p. 1460.
 Keim, S. R., Johnstown, Pa. Metallic railway-tie. No. 902,414; Oct. 27; Sp. p. 4895; Dr. p. 991; Gaz. vol. 136; p. 1930.
 Keiner, C. J. G., Baltimore, Md., assignor to Universal Railway Supply Company. Connector for electric wires. No. 889,786; June 2; Sp. p. 1161; Dr. p. 269; Gaz. vol. 134; p. 1247.
 Keiper, F., Rochester, N. Y. Voting-machine interlock. No. 898,114; Sept. 8; Sp. p. 1805; Dr. p. 383; Gaz. vol. 136; p. 315.
 Keiper, F., Rochester, N. Y. Voting-machine. No. 906,434; Dec. 8; Sp. p. 2565; Gaz. vol. 137; p. 1441.
 Keiper, H. B., Lancaster, Pa. Knife polishing or sharpening machine. No. 890,658; June 16; Sp. p. 2967; Dr. p. 650; Gaz. vol. 134; p. 1593.
 Keiser, A., Greensburg, Pa. Railway-conductor's folder and car-record. No. 876,062; Jan. 7; Sp. p. 726; Dr. p. 155; Gaz. vol. 132; p. 126.
 Keitel, G., New York, N. Y. Collar-support. No. 900,932; Oct. 13; Sp. p. 1843; Dr. p. 375; Gaz. vol. 136; p. 1382.
 Keitel, H., Düsseldorf, Germany. Carbureting apparatus. No. 895,273; Aug. 4; Sp. p. 1014; Dr. p. 212; Gaz. vol. 135; p. 1061.
 Keith, C. R., assignor of one-half to J. W. Mason, Tarrytown, N. Y. Power-transmission apparatus. No. 880,382; Feb. 25; Sp. p. 5125; Dr. p. 1083; Gaz. vol. 132; p. 1769.
 Keith, J., London, England. Centrifugal fan. No. 877,648; Jan. 28; Sp. p. 4026; Dr. p. 869; Gaz. vol. 132; p. 742.
 Keith, J. D., and W. E. Faulkner, Santa Anna, Tex. Clinometer. No. 888,238; May 19; Sp. p. 3814; Dr. p. 801; Gaz. vol. 134; p. 682.
 Keith, J. G., Chicago, Ill. Sash-lock. No. 878,883; Feb. 11; Sp. p. 2067; Dr. p. 429; Gaz. vol. 132; p. 1207.
 Keith, J. G., Spokane, Wash. Sieve-adjuster. No. 885,929; Apr. 28; Sp. p. 4660; Dr. p. 982; Gaz. vol. 133; p. 2016.
 Keith, J. G., Spokane, Wash., assignor of one-half to American Securities Company. Sieve-adjuster. No. 887,480; May 12; Sp. p. 2355; Dr. p. 494; Gaz. vol. 134; p. 405.
 Keith, O. M., and E. L. Early, Newton, Iowa. Lawn-mower. No. 907,371; Dec. 22; Sp. p. 4379; Gaz. vol. 137; p. 1805.
 Keith, R., and G. Hills, Dowagiac, Mich. Potato picker and loader. No. 890,282; June 9; Sp. p. 2212; Dr. p. 486; Gaz. vol. 134; p. 1438.
 Kelk, A. E., Louisville, Ky. Converting hides or skins into leather. No. 881,246; Mar. 10; Sp. p. 1506; Gaz. vol. 133; p. 284.
 Kell, L. L., St. Louis, Mo. Valve-timing device for explosive-engines. No. 895,645; Aug. 11; Sp. p. 1731; Dr. p. 367; Gaz. vol. 135; p. 1205.
 Kelleher, J. F., St. Louis, Mo., assignor, by mesne assignments, to Seagrave Company, Columbus, Ohio. Bottle-holding cage for fire-extinguishers. No. 893,078; July 14; Sp. p. 1396; Dr. p. 295; Gaz. vol. 135; p. 259.
 Kellermen, H. F., assignor to Utica Drop Forge & Tool Company, Utica, N. Y. Cutting-pliers. No. 896,118; Aug. 18; Sp. p. 2671; Dr. p. 576; Gaz. vol. 135; p. 1380.
 Keller, A., Metallwerke und Munitionsfabrik, Firm of. (See Ruszitzka, F., assignor.)
 Keller, A. C., Springfield, Ohio. Bedclothes-clamp. No. 893,517; July 14; Sp. p. 2294; Dr. p. 481; Gaz. vol. 135; p. 402.

Alphabetical list of patentees—Continued.

- Keller, A. P., Bergedorf, near Hamburg, assignor to Firm of Anglo-Continentale (vormals Ohlendorff'sche) Guano-Werke, Hamburg, Germany. Device for emptying superphosphate-chambers. No. 892,593; July 7; Sp. p. 383; Dr. p. 84; Gaz. vol. 135; p. 71.
- Keller, A. R., Chicago, Ill. Mashing-machine. No. 896,920; Aug. 25; Sp. p. 4323; Dr. pp. 926-7; Gaz. vol. 135; p. 1664.
- Keller, A. T., assignor of one-half to Mesta Machine Company, Pittsburg, Pa. Rolling-mill. No. 884,278; Apr. 7; Sp. p. 1240; Dr. pp. 260-1; Gaz. vol. 133; p. 1389.
- Keller, C. (See Yeakel, G. P., assignor.)
- Keller, C. A., Paris, France. Flexible electrical connection device and the like. No. 891,343; June 23; Sp. p. 4380; Dr. p. 953; Gaz. vol. 134; p. 1849.
- Keller, E. W., assignor to Armac Motor Company, Chicago, Ill. Apparatus for muffling the exhaust of motor-cycles. No. 882,068; Mar. 17; Sp. p. 3185; Dr. p. 677; Gaz. vol. 133; p. 579.
- Keller, G. O., Buena Vista, Va. Window-lock. No. 901,178; Oct. 13; Sp. p. 2294; Dr. p. 468; Gaz. vol. 136; p. 1460.
- Keller, H., Berlin, Germany, assignor to General Electric Company. Air or gas compressor system. No. 883,888; Apr. 7; Sp. p. 441; Dr. p. 87; Gaz. vol. 133; p. 1262.
- Keller, H., Berlin, Germany, assignor to General Electric Company. Multistage centrifugal pump. No. 901,450; Oct. 20; Sp. p. 2909; Dr. p. 592; Gaz. vol. 136; p. 1537.
- Keller, H. B. (See Keller, Haas, and Keller.)
- Keller, H. E., Decatur, Ill. Incubator-heater. No. 904,702; Nov. 24; Sp. p. 4453; Gaz. vol. 137; p. 807.
- Keller, J., Long Island City, N. Y. Window-sash lift and fastener. No. 905,883; Dec. 8; Sp. p. 1523; Gaz. vol. 137; p. 1263.
- Keller, J., Philadelphia, Pa., assignor, by mesne assignments, to Chicago Pneumatic Tool Company. Pneumatic riveter. No. 878,805; Feb. 11; Sp. p. 1926; Dr. pp. 398-9; Gaz. vol. 132; p. 1183.
- Keller, J., Philadelphia, Pa., assignor, by mesne assignments, to Chicago Pneumatic Tool Company. Pneumatic hammer. No. 879,106; Feb. 11; Sp. p. 2494; Dr. p. 519; Gaz. vol. 132; p. 1276.
- Keller, J. F., New York, N. Y. Machine for engraving and sinking dies. No. 877,436; Jan. 21; Sp. p. 3587; Dr. pp. 776-7; Gaz. vol. 132; p. 652.
- Keller, J. H. (See Keller, Haas, and Keller.)
- Keller, J. R., Pittsburg, Pa. Railway-tie plate. No. 906,033; Dec. 8; Sp. p. 1809; Gaz. vol. 137; p. 1311.
- Keller, L. E., Oil City, Pa. Brake-shoe. No. 879,969; Feb. 25; Sp. p. 4308; Dr. p. 901; Gaz. vol. 132; p. 1634.
- Keller, M. E., assignor, by mesne assignments, of one-half to P. Christensen, New York, N. Y. Animal feed-bag. No. 888,442; May 19; Sp. p. 4233; Dr. p. 897; Gaz. vol. 134; p. 750.
- Keller, M. E., assignor of one-half to C. F. Spotswood, New York, N. Y. Engine. No. 900,101; Oct. 6; Sp. p. 53; Dr. p. 10; Gaz. vol. 136; p. 1084.
- Keller, P., Chicago, Ill. Gas-pressure regulator. No. 879,472; Feb. 18; Sp. p. 3246; Dr. p. 676; Gaz. vol. 132; p. 1437.
- Keller, R., Detroit, Mich. Bottle-stopper. No. 880,669; Mar. 3; Sp. p. 359; Dr. p. 79; Gaz. vol. 133; p. 63.
- Keller, S. M., *et al.* (See Houck, W., assignor.)
- Keller, T. H. (See Keller, Haas, and Keller.)
- Keller, T. H., and J. A. Haas, Lancaster, H. B. Keller, Philadelphia, and J. H. Keller, Lititz, Pa., assignors of eight-twentieths to T. H. Keller, eight-twentieths to J. A. Haas, two-twentieths to H. B. Keller, and two-twentieths to J. H. Keller. Molding-machine. No. 889,465; June 2; Sp. p. 558; Dr. pp. 131-2; Gaz. vol. 134; p. 1146.
- Keller, W. F., Cincinnati, Ohio. Cloth-marker. No. 893,518; July 14; Sp. p. 2294; Dr. p. 481; Gaz. vol. 135; p. 402.
- Keller, W. H., Philadelphia, Pa., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Pneumatic tool. No. 897,107; Aug. 25; Sp. p. 4704; Dr. pp. 1002-3; Gaz. vol. 135; p. 1726.
- Kellett, R. J., San Francisco, Cal. Means for operating car-fenders. No. 898,582; Sept. 15; Sp. p. 2704; Dr. p. 578; Gaz. vol. 136; p. 496.
- Kelley, C., Toronto, Ontario, Canada. Closet. No. 898,225; Sept. 8; Sp. p. 2027; Dr. pp. 429-30; Gaz. vol. 136; p. 349.
- Kelley, C. A., Spring Lake, Mich. Micrometer-gage. No. 886,817; May 5; Sp. p. 986; Dr. p. 207; Gaz. vol. 134; p. 161.
- Kelley, C. E., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 883,462; Mar. 31; Sp. p. 5959; Dr. p. 1271; Gaz. vol. 133; p. 1098.
- Kelley, C. E., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 884,591; Apr. 14; Sp. p. 1862; Dr. p. 401; Gaz. vol. 133; p. 1520.
- Kelley, C. E., Clarksburg, W. Va., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 890,361; June 9; Sp. p. 2366; Dr. p. 522; Gaz. vol. 134; p. 1463.
- Kelley, C. H., Winthrop, Mass. Vending apparatus. No. 888,404; May 19; Sp. p. 4146; Dr. pp. 876-7; Gaz. vol. 134; p. 735.
- Kelley, C. N., *et al.* (See Murray, C. F., assignor.)
- Kelley, C. W., *et al.* (See Murray, C. F., assignor.)
- Kelley, E. G. (See Libbey, H. N., assignor.)
- Kelley, E. J., Washington, D. C., assignor of three-sixteenths to R. L. Nutt and R. A. Hutchins, Jr., Portsmouth, Va. Torpedo-boat. No. 896,921; Aug. 25; Sp. p. 4326; Dr. p. 927; Gaz. vol. 135; p. 1665.
- Kelley, F. L., Adrian, Mich. Warp-wire feed and measuring wheel. No. 904,068; Nov. 17; Sp. p. 3109; Gaz. vol. 137; p. 565.
- Kelley, G. J., Attleboro, Mass. Belt clasp or buckle. No. 896,392; Aug. 18; Sp. p. 3210; Dr. p. 688; Gaz. vol. 135; p. 1467.
- Kelley, G. L., assignor, by mesne assignments, to Stevenson Machine Company, Buffalo, N. Y. Routing-machine. No. 877,894; Jan. 28; Sp. p. 4483; Dr. pp. 976-7; Gaz. vol. 132; p. 820.
- Kelley, J. (See Powers, C. R., assignor.)
- Kelley, J. B., Chicago, Ill. Sash-fastener. No. 879,271; Feb. 18; Sp. p. 2820; Dr. p. 591; Gaz. vol. 132; p. 1373.
- Kelley, J. E., Bangor, Me. Track-sweeper. No. 880,308; Feb. 25; Sp. p. 4987; Dr. p. 1052; Gaz. vol. 132; p. 1746.
- Kelley, J. P., Geneva, Ohio. Dental-engine plugger or mallet. No. 907,815; Dec. 29; Sp. p. 5336; Gaz. vol. 137; p. 1983.
- Kelley, J. R., Cincinnati, Ohio. Electric interrupter and intermitter. No. 887,096; May 12; Sp. p. 1519; Dr. p. 321; Gaz. vol. 134; p. 279.
- Kelley, J. T., West Rush, N. Y. Ellipsograph. No. 889,313; June 2; Sp. p. 238; Dr. p. 58; Gaz. vol. 134; p. 1097.
- Kelley, S. J., Passaic, N. J. Plaster-board. No. 905,191; Dec. 1; Sp. p. 139; Gaz. vol. 137; p. 1006.
- Kelley, S. R., Toone, Tenn. Vegetable-grating device. No. 904,206; Nov. 17; Sp. p. 3412; Gaz. vol. 137; p. 614.
- Kelley, W. F. (See Parsons and Kelley.)
- Kelley, W. J., Central Falls, R. I. Humidifying apparatus. No. 887,726; May 12; Sp. p. 2810; Dr. p. 593; Gaz. vol. 134; p. 487.
- Kelley, W. V. D., Newark, N. J., assignor of one-half to H. S. Jones, Brooklyn, N. Y. Exhibiting device. No. 876,907; Jan. 14; Sp. p. 2473; Dr. p. 541; Gaz. vol. 132; p. 436.
- Kellhofer, H. J., Chillicothe, Ohio. Ventilator. No. 876,972; Jan. 21; Sp. p. 2642; Dr. p. 574; Gaz. vol. 132; p. 498.
- Kellner, A. F., Omaha, Nebr. Current-deflector. No. 877,201; Jan. 21; Sp. p. 3132; Dr. p. 679; Gaz. vol. 132; p. 576.
- Kellner, A. F., Omaha, Nebr. Tamping-machine. No. 890,659; June 16; Sp. p. 2970; Dr. p. 651; Gaz. vol. 134; p. 1593.
- Kellner, L., New York, N. Y., assignor to Metropolitan Switchboard Co. Cable-tip. No. 902,235; Oct. 27; Sp. p. 4526; Dr. p. 916; Gaz. vol. 136; p. 1871.
- Kellner, O., Jr., Chicago, Ill. Loose-leaf binder. No. 904,618; Nov. 24; Sp. p. 4275; Gaz. vol. 137; p. 778.
- Kellogg, J. D. (See Pittman, R. H., assignor.)
- Kellogg, G. W., assignor to Wray Pump & Register Company, Rochester, N. Y. Air-pump. No. 885,485; Apr. 21; Sp. p. 3718; Dr. p. 782; Gaz. vol. 133; p. 1843.
- Kellogg, H. T., Dayton, Ohio. Kettle-protector. No. 889,020; May 26; Sp. p. 5431; Dr. p. 1154; Gaz. vol. 134; p. 970.
- Kellogg, J. H., Battle Creek, Mich. Massage apparatus. No. 881,321; Mar. 10; Sp. p. 1656; Dr. p. 355; Gaz. vol. 133; p. 309.
- Kellogg, M. G. (See Dyson, A. H., assignor.)
- Kellogg, M. G. (See Kaisling, W., assignor.)
- Kellogg, M. G. (See Webster, H. G., assignor.)
- Kellogg Switchboard and Supply Company. (See Bradbury, C. C., assignor.)
- Kellogg Switchboard and Supply Company. (See Brinkman, L. A., assignor.)
- Kellogg Switchboard and Supply Company. (See Brown, W. R., assignor.)
- Kellogg Switchboard and Supply Company. (See Dean, W. W., assignor.)
- Kellogg Switchboard and Supply Company. (See Dunbar, F. W., assignor.)
- Kellogg Switchboard & Supply Company. (See Knudsen, A. M., assignor.)
- Kellogg Switchboard & Supply Company. (See Koch, F. S., assignor.)
- Kellogg Switchboard & Supply Company. (See Post, H. M., assignor.)
- Kellogg Switchboard & Supply Company. (See Rupe, E. H., assignor.)
- Kellogg Switchboard & Supply Company. (See Simpson, C. A., assignor.)
- Kellogg Switchboard and Supply Company. (See Webster, H. G., assignor.)
- Kellogg Switchboard & Supply Company. (See Weiss, A. H., assignor.)
- Kellogg Switchboard & Supply Company. (See Winston, C. S., assignor.)
- Kellom, C. F., Philadelphia, Pa. Indicator attachment for umbrellas, parasols, canes, and the like. No. 893,519; July 14; Sp. p. 2295; Dr. p. 481; Gaz. vol. 135; p. 402.

Alphabetical list of patentees—Continued.

- Kellom, C. F., Philadelphia, Pa. Spout for cans. No. 898,483; Sept. 15; Sp. p. 2509; Dr. p. 537; Gaz. vol. 136; p. 464.
- Kellond, R. A., Winnipeg, Manitoba, Canada, assignor to Inter-West Peat Fuel Company. Machine for manufacturing peat fuel. No. 878,732; Feb. 11; Sp. p. 1780; Dr. p. 368; Gaz. vol. 132; p. 1159.
- Kellow, M., Penrhynyndendraeth, England. Turbine-driven rock-drill. No. 888,506; May 26; Sp. p. 4360; Dr. pp. 923-5; Gaz. vol. 134; p. 800.
- Kellow, M., Penrhynyndendraeth, England. Rock-drill. No. 890,065; June 9; Sp. p. 1746; Dr. p. 387; Gaz. vol. 134; p. 1367.
- Kells, W. (See Covey, J. H., assignor.)
- Kelly-Arnold Manufacturing Company. (See Kelly and Royer, assignors.)
- Kelly Axe Mfg. Co. (See Ball, C., assignor.)
- Kelly, B. F., Salt Lake City, Utah. Heater for dynamite or other explosives. No. 895,028; Aug. 4; Sp. p. 516; Dr. pp. 104-5; Gaz. vol. 135; p. 978.
- Kelly, C., Green Bay, Wis. Hopple. No. 895,471; Aug. 11; Sp. p. 1405; Dr. p. 295; Gaz. vol. 135; p. 1149.
- Kelly, C. E., Providence, R. I. Twine-take-up motion. No. 877,718; Jan. 28; Sp. p. 4154; Dr. p. 900; Gaz. vol. 132; p. 764.
- Kelly, C. R., Louisville, Ky. Proportional calculating-machine. No. 879,178; Feb. 18; Sp. p. 2651; Dr. p. 553; Gaz. vol. 132; p. 1343.
- Kelly, D. J., assignor to Kelly Filter Press Co., Salt Lake City, Utah. Removing caked material from pressure-filters. No. 880,742; Mar. 3; Sp. p. 512; Dr. p. 106; Gaz. vol. 133; p. 89.
- Kelly, E., Brimley, Mich. Shoe. No. 888,908; May 26; Sp. p. 5231; Dr. p. 1109; Gaz. vol. 134; p. 936.
- Kelly Filter Press Co. (See Kelly, D. J., assignor.)
- Kelly, G., Hinsdale, Ill. Fire and water proof composition. No. 882,890; Mar. 24; Sp. p. 4775; Gaz. vol. 133; p. 879.
- Kelly, G., Hinsdale, Ill. Fire and water proof composition. No. 882,891; Mar. 24; Sp. p. 4776; Gaz. vol. 133; p. 879.
- Kelly, G. B., Jamaica Plain, Mass. Pedal mechanism. No. 897,375; Sept. 1; Sp. p. 274; Dr. p. 56; Gaz. vol. 136; p. 41.
- Kelly, G. B., Jamaica Plain, Mass. Pedal mechanism. No. 897,376; Sept. 1; Sp. p. 275; Dr. p. 56; Gaz. vol. 136; p. 42.
- Kelly, G. B., Boston, Mass., assignor to Aeolian Company, New York, N. Y. Mechanical musical instrument. No. 891,550; June 23; Sp. p. 4795; Dr. p. 1037; Gaz. vol. 134; p. 1917.
- Kelly, G. B., Boston, Mass., assignor to Aeolian Company, New York, N. Y. Reed mechanism for self-playing instruments. No. 891,551; June 23; Sp. p. 4801; Dr. p. 1038; Gaz. vol. 134; p. 1917.
- Kelly, G. B., Jamaica Plain, and F. L. Wood, Worcester, Mass., assignors to Aeolian Company. Playing attachment for musical instruments. No. 902,663; Nov. 3; Sp. p. 253; Gaz. vol. 137; p. 43.
- Kelly, G. E., and G. F. Royer, assignors to Kelly-Arnold Manufacturing Company, Wilkes-Barre, Pa. Connector for railway-car-brake systems. No. 895,274; Aug. 4; Sp. p. 1016; Dr. p. 213; Gaz. vol. 135; p. 1061.
- Kelly, G. W. (See Blau and Kelly.)
- Kelly, H. (See Petersen, P. C., assignor.)
- Kelly, H., Houston, Tex. Pneumatic flue-expander. No. 888,239; May 19; Sp. p. 3815; Dr. p. 801; Gaz. vol. 134; p. 683.
- Kelly, H. D., Kansas City, Mo. Coffee-urn. No. 907,607; Dec. 22; Sp. p. 4876; Gaz. vol. 137; p. 1883.
- Kelly, J., Providence, R. I. Air cooling and humidifying apparatus. No. 890,516; June 9; Sp. p. 2649; Dr. p. 585; Gaz. vol. 134; p. 1513.
- Kelly, J., Jamaica Plain, Mass. Apparatus for cleaning sewers. No. 896,835; Aug. 25; Sp. p. 4128; Dr. p. 885; Gaz. vol. 135; p. 1636.
- Kelly, J., Jamaica Plain, Mass. Sewer-cleaning apparatus. No. 906,034; Dec. 8; Sp. p. 1811; Gaz. vol. 137; p. 1311.
- Kelly, J. F. (See Meskill, J. J., assignor.)
- Kelly, J. G., Duryea, Pa. Gearing. No. 888,619; May 26; Sp. p. 4606; Dr. p. 977; Gaz. vol. 134; p. 841.
- Kelly, J. J., St. Louis, Mo. Telephone system. No. 896,836; Aug. 25; Sp. p. 4129; Dr. p. 885; Gaz. vol. 135; p. 1636.
- Kelly, J. W. (See Trebilcock, B., assignor.)
- Kelly, J. W., Chicago, Ill. Water-closet. No. 905,539; Dec. 1; Sp. p. 871; Gaz. vol. 137; p. 1122.
- Kelly, J. W., Jr., Camden, N. J., assignor to General Acoustic Company. Telephone dictating system or apparatus. No. 880,537; Mar. 3; Sp. p. 80; Dr. p. 19; Gaz. vol. 133; p. 18.
- Kelly, N., *et al.* (See Bryan, J. H. B., assignor.)
- Kelly, N. J., *et al.* (See Bryan, J. H. B., assignor.)
- Kelly, O., Wellston, Ohio. Internal-combustion engine. No. 895,184; Aug. 4; Sp. p. 814; Dr. p. 170; Gaz. vol. 135; p. 1030.
- Kelly, T. A., Moundsville, W. Va., assignor to United States Stamping Co. Expander for sheet-metal utensils. No. 887,727; May 12; Sp. p. 2812; Dr. p. 594; Gaz. vol. 134; p. 488.
- Kelly, T. F., Galion, Ohio. Burial-vault. No. 878,962; Feb. 11; Sp. p. 2217; Dr. p. 464; Gaz. vol. 132; p. 1232.
- Kelly, W., Toledo, Ohio. Closet-flushing valve. No. 878,535; Feb. 11; Sp. p. 1367; Dr. p. 280; Gaz. vol. 132; p. 1094.
- Kelly, W. H. (See Luckenbach, H., assignor.)
- Kelly, W. J., Clinton, Iowa. Method of veneering. No. 882,203; Mar. 17; Sp. p. 3435; Dr. pp. 730-1; Gaz. vol. 133; p. 621.
- Kelly, W. J., Denver, Colo. Horseshoe-nail-driving hammer. No. 908,008; Dec. 29; Sp. p. 5745; Gaz. vol. 137; p. 2045.
- Kelsey, C. W., Philadelphia, Pa. Spring-retarding device. No. 905,540; Dec. 1; Sp. p. 873; Gaz. vol. 137; p. 1122.
- Kelsey, E. A. (See Kassander and Kelsey.)
- Kelsey, E. W., Collierville, Tenn. Hay-press. No. 886,986; May 5; Sp. p. 1282; Dr. pp. 270-1; Gaz. vol. 134; p. 213.
- Kelsey, L. A. (See Miller, G. O., assignor.)
- Kelsey, W. A. (See Bailey and Kelsey.)
- Keltner, I. M., Carrollton, Mo. Railway-switch. No. 901,711; Oct. 20; Sp. p. 3475; Dr. pp. 703-4; Gaz. vol. 136; p. 1674.
- Kemery, P., Pittsburg, Pa. Alloying tungsten, molybdenum, &c., with iron and steel. No. 887,648; May 12; Sp. p. 2673; Dr. p. 564; Gaz. vol. 134; p. 460.
- Kemiweld Can Company. (See Harbeck, J. R., assignor.)
- Kemmler, C. (See Reiber, F. W., assignor.)
- Kemp, A. M., M. W. Loomis, and J. E. Fitzwater, Denver, Colo. Concentrating-table. No. 900,285; Oct. 6; Sp. p. 459; Dr. p. 94; Gaz. vol. 136; p. 1144.
- Kemp & Burpee Manufacturing Company. (See Love, R., assignor.)
- Kemp & Burpee Manufacturing Company. (See Warner, W. E., assignor.)
- Kemp, C. M., Baltimore, Md. Safety carbureting plant. No. 903,479; Nov. 10; Sp. p. 1886; Gaz. vol. 137; p. 340.
- Kemper, A. (See Kemper, R. E. and A.)
- Kemper, A. H., Dayton, Ohio. Picture-hook. No. 888,819; May 26; Sp. p. 5036; Dr. p. 1074; Gaz. vol. 134; p. 905.
- Kemper, C. S., Cameron, Mo. Furrow-opener. No. 893,520; July 14; Sp. p. 2297; Dr. p. 482; Gaz. vol. 135; p. 403.
- Kemper, E. G., Dallas, Tex. Mold-plate for concrete construction. No. 884,166; Apr. 7; Sp. p. 1052; Dr. p. 219; Gaz. vol. 133; p. 1354.
- Kemper, R. E. and A., Rensselaer, N. Y. Sheet-feeding machine. No. 903,386; Nov. 10; Sp. p. 1688; Gaz. vol. 137; p. 309.
- Kemper-Thomas Company. (See Henderson, E. L., assignor.)
- Kempshall, E., London, England. Tire. No. 908,275; Dec. 29; Sp. p. 6300; Gaz. vol. 137; p. 2135.
- Kempshall, E., assignor to Kempshall Tyre Company, of Europe, Limited, London, England. Tire for vehicle-wheels. No. 901,244; Oct. 13; Sp. p. 2411; Dr. p. 494; Gaz. vol. 136; p. 1481.
- Kempshall, E., assignor to Kempshall Tyre Company, of Europe, Limited, London, England. Tire for vehicle-wheels. No. 906,804; Dec. 15; Sp. p. 3261; Gaz. vol. 137; p. 1584.
- Kempshall Manufacturing Company. (See Lee, H. C., assignor.)
- Kempshall Tyre Company, of Europe. (See Kempshall, E., assignor.)
- Kempton, F., Stuttgart, Germany. Baking-oven. No. 878,806; Feb. 11; Sp. p. 1930; Dr. p. 399; Gaz. vol. 132; p. 1183.
- Kempton, W. H., Trimble, Ohio. Insulator. No. 904,069; Nov. 17; Sp. p. 3111; Gaz. vol. 137; p. 565.
- Kendall, D., assignor to Alliance Machine Company, Alliance, Ohio. Crane mechanism. No. 888,175; May 19; Sp. p. 3703; Dr. pp. 772-3; Gaz. vol. 134; p. 661.
- Kendall, E. A., Philadelphia, Pa. Waterproof hat-protector. No. 902,969; Nov. 3; Sp. p. 871; Gaz. vol. 137; p. 145.
- Kendall, E. D., Sewaren, N. J., assignor of three-fifths to E. N. Dickerson, Stovall, N. C., and A. R. Ledoux, New York, N. Y. Smelting ores of iron. No. 894,796; July 28; Sp. p. 4999; Gaz. vol. 135; p. 872.
- Kendall, F. D., and T. O. Robinson, Hanford, Cal. Fruit and vegetable drier. No. 883,721; Apr. 7; Sp. p. 87; Dr. p. 14; Gaz. vol. 133; p. 1206.
- Kendall, T. W., Hopewell, Ky. Folding egg-crate. No. 897,108; Aug. 25; Sp. p. 4706; Dr. p. 1003; Gaz. vol. 135; p. 1726.
- Kendall, W. S., *et al.* (See Porter, T. J., assignor.)
- Kendrick, C. E., *et al.* (See De Groot and Kendrick, assignors.)
- Kendrick & Davis. (See Cunningham, F. R., assignor.)
- Kendrick, F. J., Schenectady, N. Y. Tramway-switch. No. 897,627; Sept. 1; Sp. p. 790; Dr. p. 166; Gaz. vol. 136; p. 125.
- Kendrick, G. H. (See Byrnes and Kendrick.)
- Kendrick, J. K., Germantown, Cal. Vehicle-brake. No. 901,451; Oct. 20; Sp. p. 2911; Dr. p. 593; Gaz. vol. 136; p. 1588.
- Kendrick, J. K., Germantown, Cal. Vehicle. No. 904,703; Nov. 24; Sp. p. 4455; Gaz. vol. 137; p. 808.
- Kendrick, J. L., Boston, Mass. Bottle. No. 880,082; Feb. 25; Sp. p. 4535; Dr. p. 954; Gaz. vol. 132; p. 1670.
- Kendrick, S., Rochester, N. Y. Shuttle. No. 904,538; Nov. 24; Sp. p. 4125; Gaz. vol. 137; p. 752.
- Kendrick, W. A. (See De Groot and Kendrick.)
- Keneipp, A. M., Owensville, Ind. Crate. No. 882,392; Mar. 17; Sp. p. 3789; Dr. p. 809; Gaz. vol. 133; p. 683.

Alphabetical list of patentees—Continued.

- Kenevel, J. W., Philadelphia, Pa. Valve-controlling means. No. 901,712; Oct. 20; Sp. p. 3478; Dr. p. 704; Gaz. vol. 136; p. 1674.
- Kenley, S. (See Lane and Kenley.)
- Kenlon, J., New York, N. Y. Fire-truck signal. No. 889,690; June 2; Sp. p. 986; Dr. p. 228; Gaz. vol. 134; p. 1217.
- Kenly, G. T., Baltimore, Md., assignor to Plumbing Specialty Company. Faucet. No. 885,347; Apr. 21; Sp. p. 3472; Dr. p. 723; Gaz. vol. 133; p. 1800.
- Kenne, T. (See Meyer and Kenne.)
- Kennebrew, J. H., Columbus, Miss. Planter. No. 878,536; Feb. 11; Sp. p. 1368; Dr. p. 280; Gaz. vol. 132; p. 1094.
- Kennebrew, J. H., Columbus, Miss. Cotton-chopper. No. 878,537; Feb. 11; Sp. p. 1370; Dr. p. 281; Gaz. vol. 132; p. 1094.
- Kennedy, A. L., New York, N. Y. Fertilizer. No. 879,877; Feb. 25; Sp. p. 4103; Gaz. vol. 132; p. 1602.
- Kennedy, B. B. (See Kennedy, S. F. and B. B.)
- Kennedy, C. E., Holbrook, assignor to J. F. Donnelly, Brockton, Mass. Knife-handle. No. 887,332; May 12; Sp. p. 2041; Dr. p. 426; Gaz. vol. 134; p. 357.
- Kennedy, C. L., Braintree, Mass. Electric generator or motor. No. 894,329; July 28; Sp. p. 4091; Dr. pp. 845-6; Gaz. vol. 135; p. 721.
- Kennedy, C. S. L., North Easton, Mass. Puzzle. No. 889,314; June 2; Sp. p. 239; Dr. p. 58; Gaz. vol. 134; p. 1097.
- Kennedy, D. S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Galley for line-casting machines. No. 884,022; Apr. 7; Sp. p. 716; Dr. p. 145; Gaz. vol. 133; p. 1307.
- Kennedy, D. S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 888,176; May 19; Sp. p. 3705; Dr. p. 773; Gaz. vol. 134; p. 661.
- Kennedy, D. S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 888,177; May 19; Sp. p. 3706; Dr. p. 774; Gaz. vol. 134; p. 661.
- Kennedy, D. S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 889,617; June 2; Sp. p. 838; Dr. p. 191; Gaz. vol. 134; p. 1194.
- Kennedy, D. S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 890,283; June 9; Sp. p. 2214; Dr. p. 487; Gaz. vol. 134; p. 1438.
- Kennedy, D. S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 905,541; Dec. 1; Sp. p. 875; Gaz. vol. 137; p. 1123.
- Kennedy, G. R., assignor of one-half to G. McCargo, Pittsburg, Pa. Lubricator. No. 906,720; Dec. 15; Sp. p. 3096; Gaz. vol. 137; p. 1558.
- Kennedy, G. W., Delaware City, Del. Window-ventilator. No. 880,538; Mar. 3; Sp. p. 84; Dr. p. 20; Gaz. vol. 133; p. 18.
- Kennedy, H. P., Peterboro, Ontario, Canada. Horseshoe. No. 882,007; Mar. 17; Sp. p. 3063; Dr. p. 651; Gaz. vol. 133; p. 560.
- Kennedy, H. S. (See Maitland and Beattie, assignors.)
- Kennedy, J., Pittsburg, Pa. Wheel. No. 887,649; May 12; Sp. p. 2674; Dr. p. 565; Gaz. vol. 134; p. 460.
- Kennedy, J., assignor to Ogden Iron & Steel Manufacturing Company, New York, N. Y. Clamp. No. 897,903; Sept. 8; Sp. p. 1362; Dr. p. 291; Gaz. vol. 136; p. 247.
- Kennedy, J. A., *et al.* (See Betts, L. F., assignor.)
- Kennedy, J. J., West Hoboken, N. J. Glove. No. 903,578; Nov. 10; Sp. p. 2093; Gaz. vol. 137; p. 373.
- Kennedy, J. S., New York, N. Y. Pressure-gauge. No. 884,592; Apr. 14; Sp. p. 1864; Dr. pp. 401-2; Gaz. vol. 133; p. 1521.
- Kennedy, J. S., Stanhope, N. J., and J. B. Nau, New York, N. Y. Mixing-furnace for iron-foundries. No. 895,029; Aug. 4; Sp. p. 518; Dr. p. 105; Gaz. vol. 135; p. 979.
- Kennedy, J. W., Burke, N. Y. Spring washing-machine. No. 877,087; Jan. 21; Sp. p. 2880; Dr. p. 622; Gaz. vol. 132; p. 537.
- Kennedy, J. W., Burke, N. Y. Throttle. No. 887,944; May 19; Sp. p. 3271; Dr. p. 687; Gaz. vol. 134; p. 589.
- Kennedy, J. W., Chicago, Ill. Ribbon mechanism for type-writing machines. No. 894,661; July 28; Sp. p. 4750; Dr. pp. 986-7; Gaz. vol. 135; p. 829.
- Kennedy, J. W., Missoula, Mont. Flush-valve. No. 894,662; July 28; Sp. p. 4756; Dr. pp. 987-8; Gaz. vol. 135; p. 829.
- Kennedy, L. E., Russell, Manitoba, Canada. Scissors or shears. No. 892,995; July 14; Sp. p. 1247; Dr. p. 261; Gaz. vol. 135; p. 232.
- Kennedy, L. H., Sycamore, Ill. Adjustable supporting device. No. 906,893; Dec. 15; Sp. p. 3438; Gaz. vol. 137; p. 1612.
- Kennedy, M., assignor of one-half to W. Renshaw, Chicago, Ill. Railway-car truck. No. 882,042; Mar. 24; Sp. p. 4279; Dr. pp. 907-8; Gaz. vol. 133; p. 800.
- Kennedy, M. R., Dansville, assignor to National Straw Pulp Company, New York, N. Y. Use of hot air in extracting fiber from vegetable tissues. No. 885,851; Apr. 28; Sp. p. 4494; Dr. p. 944; Gaz. vol. 133; p. 1990.
- Kennedy, M. R., Dansville, assignor to National Straw Pulp Company, New York, N. Y. Digesting-disintegrator. No. 889,241; June 2; Sp. p. 95; Dr. p. 22; Gaz. vol. 134; p. 1074.
- Kennedy, P., assignor to Consolidated Railway Electric Lighting and Equipment Company, New York, N. Y. Storage-battery cell. No. 907,372; Dec. 22; Sp. p. 4381; Gaz. vol. 137; p. 1805.
- Kennedy, R. G., Edinburgh, Scotland. Device for controlling a supply of water for irrigating and other purposes. No. 881,804; Mar. 10; Sp. p. 2599; Dr. p. 559; Gaz. vol. 133; p. 463.
- Kennedy, S. F. and B. B., Lakeview, Mich. Tax-assessor's percentage-table. No. 888,020; May 19; Sp. p. 3418; Dr. p. 717; Gaz. vol. 134; p. 613.
- Kennedy, T. C., assignor to Fairbanks, Morse & Company, Chicago, Ill. Storage apparatus. No. 902,300; Oct. 27; Sp. p. 4659; Dr. p. 945; Gaz. vol. 136; p. 1893.
- Kennedy, T. C., Chicago, and E. A. Elder, La Grange, assignors to Fairbanks, Morse & Company, Chicago, Ill. Storage apparatus. No. 879,473; Feb. 18; Sp. p. 3248; Dr. p. 676; Gaz. vol. 132; p. 1438.
- Kennedy, T. J., *et al.* (See Elkins and Hunter, assignors.) (Reissue.)
- Kennedy, W. (See Kline, W. H., assignor.) (Reissue.)
- Kennedy, W., Bellevue, Pa. Blast-furnace apparatus. No. 884,665; Apr. 14; Sp. p. 2058; Dr. pp. 439-40; Gaz. vol. 133; p. 1545.
- Kennedy, W. A., Kansas City, Mo. Lister-cultivator. No. 885,258; Apr. 21; Sp. p. 3276; Dr. p. 684; Gaz. vol. 133; p. 1770.
- Kennedy, W. E., Bellevue, Pa. Bath-tub attachment. No. 904,133; Nov. 17; Sp. p. 3246; Gaz. vol. 137; p. 588.
- Kennedy, W. G., Chicago, Ill. Can-lifter. No. 892,162; June 30; Sp. p. 6042; Dr. p. 1299; Gaz. vol. 134; p. 2150.
- Kennedy, W. J., Grand Rapids, Mich. Valve. No. 887,945; May 19; Sp. p. 3273; Dr. pp. 687-8; Gaz. vol. 134; p. 589.
- Kennedy, W. J., Grand Rapids, Mich. Valve. No. 894,957; Aug. 4; Sp. p. 359; Dr. p. 73; Gaz. vol. 135; p. 953.
- Kennedy, W. J., assignor to Derby Desk Company, Somerville, Mass. Desk-lock. No. 897,467; Sept. 1; Sp. p. 467; Dr. pp. 99-100; Gaz. vol. 136; p. 74.
- Kennedy, W. Q., New York, N. Y. Vehicle-wheel. No. 905,884; Dec. 8; Sp. p. 1524; Gaz. vol. 137; p. 1264.
- Kennel, A. (See Kennel, G. W., R., and A.)
- Kennel, G. W., R., and A., Washington, Ill. Attachment for wind-stackers. No. 893,804; July 21; Sp. p. 2976; Dr. pp. 609-10; Gaz. vol. 135; p. 527.
- Kennel, R. (See Kennel, G. W., R., and A.)
- Kennell, T., Los Angeles, Cal. Combination waist and skirt supporter. No. 894,330; July 28; Sp. p. 4094; Dr. p. 846; Gaz. vol. 135; p. 721.
- Kennelly, E. F., Boston, Mass. Artificial-stone sewer-cap. No. 881,003; Mar. 3; Sp. p. 1027; Dr. p. 222; Gaz. vol. 133; p. 175.
- Kennelly, E. F., Boston, Mass. Artificial-stone sewer-cap. No. 901,536; Oct. 20; Sp. p. 3087; Dr. p. 631; Gaz. vol. 136; p. 1616.
- Kennepohl, B. A., Richmond, Ind. Water-heater. No. 890,237; June 9; Sp. p. 2096; Dr. p. 459; Gaz. vol. 134; p. 1424.
- Kenney, B. D., assignor to R. Thomas and Sons Company, East Liverpool, Ohio. Mantle-ring mold. No. 899,871; Sept. 29; Sp. p. 5241; Dr. p. 1120; Gaz. vol. 136; p. 979.
- Kenney, C. A., Trenton, N. J. Water-gage. No. 888,178; May 19; Sp. p. 3708; Dr. p. 774; Gaz. vol. 134; p. 662.
- Kenney, D., Huntington, W. Va. Sharpening device for lawn-mowers. No. 907,245; Dec. 22; Sp. p. 4148; Gaz. vol. 137; p. 1763.
- Kenney, D. T., Plainfield, assignor to Vacuum Cleaner Company, North Plainfield, N. J. Means for observing dust-laden currents of air. No. 907,694; Dec. 22; Sp. p. 5097; Gaz. vol. 137; p. 1913.
- Kenney, J. B., Sacramento, Cal. Railway cross-tie. No. 893,327; July 14; Sp. p. 1889; Dr. p. 395; Gaz. vol. 135; p. 340.
- Kenney, O. E., assignor to Yost Electric Manufacturing Company, Toledo, Ohio. Separable attachment-plug. No. 884,981; Apr. 14; Sp. p. 2678; Dr. p. 569; Gaz. vol. 133; p. 1646.
- Kenney, W. F., Providence, R. I. Nut-lock. No. 886,299; Apr. 28; Sp. p. 5387; Dr. p. 1131; Gaz. vol. 133; p. 2139.
- Kennicott, C. L., Chicago Heights, assignor to Kennicott Water Softener Co., Chicago, Ill. Water-purifying apparatus. No. 900,286; Oct. 6; Sp. p. 462; Dr. pp. 94-5; Gaz. vol. 136; p. 1144.
- Kennicott Water Softener Co. (See Kennicott, C. L., assignor.)
- Kennicott Water Softener Company. (See Green, W. H., assignor.)
- Kennicott Water-Softener Company. (See Van Gundy, C. P., assignor.)
- Kennington, R. B., Fitzpatrick, Ga. Spark-arrester. No. 880,309; Feb. 25; Sp. p. 4988; Dr. p. 1953; Gaz. vol. 132; p. 1746.
- Kennington, R. B., Fitzpatrick, Ga. Rail-joint. No. 883,542; Mar. 31; Sp. p. 6128; Dr. p. 1303; Gaz. vol. 133; p. 1122.
- Kennon, C. W., assignor of one-half to E. K. H. D'Aeth, New York, N. Y. Protecting-covering for piles. No. 879,649; Feb. 18; Sp. p. 3626; Dr. p. 758; Gaz. vol. 132; p. 1495.
- Kennon, R. L., Jr., Atlanta, Ga. Music-sheet turner. No. 884,167; Apr. 7; Sp. p. 1053; Dr. pp. 219-20; Gaz. vol. 133; p. 1354.
- Kenny, H. E., *et al.* (See Henrich, C. W., assignor.)

Alphabetical list of patentees—Continued.

- Kenny, J., Amherst, Nova Scotia, Canada. Broom-protector. No. 876,884; Jan. 14; Sp. p. 2427; Dr. p. 529; Gaz. vol. 132; p. 428.
- Kenny, J. A., Chicago, Ill. Electrical protective apparatus. No. 882,892; Mar. 24; Sp. p. 4777; Dr. p. 1016; Gaz. vol. 133; p. 879.
- Kenny, J. B., Geneva, N. Y. Lead-pencil. No. 889,932; June 9; Sp. p. 1459; Dr. p. 330; Gaz. vol. 134; p. 1321.
- Kenny, J. S., assignor to Eagle Pencil Company, New York, N. Y. Assortment-box or display-rack for lead-pencils, penholders, or the like. No. 877,649; Jan. 28; Sp. p. 4027; Dr. pp. 869-70; Gaz. vol. 132; p. 742.
- Kenny, J. V., Omaha, Nebr. Steam-boiler furnace. No. 880,539; Mar. 3; Sp. p. 86; Dr. p. 20; Gaz. vol. 133; p. 18.
- Kenshole, H. H., Ilford, England. Non-skidding device for wheels of vehicles. No. 899,056; Sept. 22; Sp. p. 3580; Dr. p. 767; Gaz. vol. 136; p. 676.
- Kent, A. E., assignor to A. B. Felgimaker Erie Organ Company, Erie, Pa. Combination organ stop-action. No. 879,776; Feb. 18; Sp. p. 3866; Dr. p. 810; Gaz. vol. 132; p. 1537.
- Kent, A. E., assignor to A. B. Felgimaker Erie Organ Company, Erie, Pa. Wind-chest for pipe-organs. No. 896,452; Aug. 18; Sp. p. 3325; Dr. p. 716; Gaz. vol. 135; p. 1487.
- Kent, A. S., Kansas City, Kans. Gate-latch. No. 890,660; June 16; Sp. p. 2975; Dr. p. 652; Gaz. vol. 134; p. 1594.
- Kent, E. A. (See Tuttle and Kent.)
- Kent, L. U., assignor of one-half to J. D. Putnam, Elmwood, Ill. Automatic vending-machine. No. 888,443; May 19; Sp. p. 4234; Dr. p. 898; Gaz. vol. 134; p. 750.
- Kent Machine Company. (See Post, A. L., assignor.)
- Kent, S. B., East Orange, N. J. Bracelet. (Reissue.) No. 12,824; July 7; Sp. p. 1171; Dr. p. 247; Gaz. vol. 135; p. 197.
- Kent, S. B., East Orange, N. J. Bracelet. No. 895,866; Aug. 11; Sp. p. 2188; Dr. p. 465; Gaz. vol. 135; p. 1277.
- Kent, W. G., London, England. Liquid-meter. No. 897,904; Sept. 8; Sp. p. 1363; Dr. p. 292; Gaz. vol. 136; p. 247.
- Kent, W. J., New York, N. Y. Machine for cutting sugar-cane trash, &c. No. 885,486; Apr. 21; Sp. p. 3719; Dr. pp. 782-3; Gaz. vol. 133; p. 1844.
- Kenton, C. P., assignor to Kenton Regulator Company, Anderson, Ind. Gas-regulator. No. 890,238; June 9; Sp. p. 2097; Dr. p. 460; Gaz. vol. 134; p. 1424.
- Kenton, C. P., assignor to Kenton Regulator Company, Anderson, Ind. Mercury seal for gas-regulators. No. 893,521; July 14; Sp. p. 2298; Dr. p. 482; Gaz. vol. 135; p. 403.
- Kenton Regulator Company. (See Kenton, C. P., assignor.)
- Kentucky Gear and Machine Company. (See Binder, G., assignor.)
- Kentucky Tobacco Product Company. (See Lindenberger and Arnold, assignors.)
- Kenyon, C. L., Tama, Iowa. Pump handle and top. No. 908,009; Dec. 29; Sp. p. 5746; Gaz. vol. 137; p. 2045.
- Kenyon, D. M., assignor of one-half to J. B. Etherington, Bradford, Pa. Apparatus for coupling pipes. No. 889,315; June 2; Sp. p. 241; Dr. p. 59; Gaz. vol. 134; p. 1097.
- Kenyon, G. C., Mount Carroll, Ill. Shackle. No. 886,132; Apr. 28; Sp. p. 5083; Dr. p. 1066; Gaz. vol. 133; p. 2083.
- Kenyon, J. J., *et al.* (See Craig, J. C., assignor.)
- Keogan, D. A., White Haven, Pa. Mold for making cementitious articles. No. 884,931; Apr. 14; Sp. p. 2583; Dr. p. 544; Gaz. vol. 133; p. 1631.
- Keogh, T. B., assignor of one-half to M. Gartenlaub, New York, N. Y. Gas-pressure-regulating device. No. 877,932; Feb. 4; Sp. p. 75; Dr. p. 15; Gaz. vol. 132; p. 861.
- Keough, D. I., Lewis Run, Pa. Sawmill. No. 881,004; Mar. 3; Sp. p. 1028; Dr. p. 223; Gaz. vol. 133; p. 176.
- Kepler, I. F., assignor to B. F. Goodrich Company, Akron, Ohio. Hollow rubber article having seams. No. 889,376; June 2; Sp. p. 374; Dr. p. 86; Gaz. vol. 134; p. 1117.
- Keplinger, W. L., Newton, N. J. Card-support. No. 892,850; July 7; Sp. p. 916; Dr. p. 194; Gaz. vol. 135; p. 153.
- Kepple, W. H., assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Handle. No. 904,619; Nov. 24; Sp. p. 4276; Gaz. vol. 137; p. 779.
- Kepplinger, G. J., Dwight, Ill. Floor planer and scraper. No. 903,868; Nov. 17; Sp. p. 2701; Gaz. vol. 137; p. 498.
- Ker, C. A., Glasgow, Scotland. Engraving-mill. No. 905,708; Dec. 1; Sp. p. 1177; Gaz. vol. 137; p. 1174.
- Kerber, A. W., Sharon, Pa. Globe-holder. No. 887,650; May 12; Sp. p. 2676; Dr. p. 565; Gaz. vol. 134; p. 460.
- Kercher, M. (See Flecksing, Kercher, and Henke.)
- Kerfoot, A. E., Black Point, Fla. Music-holder and leaf-turner. No. 889,021; May 26; Sp. p. 5432; Dr. p. 1154; Gaz. vol. 134; p. 970.
- Kerfoot, H. W. (See Setzer, L., assignor.)
- Kerfoot, J. S., Oklahoma, Okla. Safety-net for elevator-shafts. No. 896,213; Aug. 18; Sp. p. 2842; Dr. p. 612; Gaz. vol. 135; p. 1410.
- Kerger, D. J., St. Anne, Ill. Corn-planer. No. 902,415; Oct. 27; Sp. p. 4898; Dr. pp. 991-2; Gaz. vol. 136; p. 1931.
- Kerkowicz, J. (See Pernat and Kerkowicz.)
- Kermode, G. (See Fawns and Kermode.)
- Kern, E. F., Knoxville, Tenn. Recovering metals from their sulfid ores. No. 885,761; Apr. 23; Sp. p. 4310; Dr. p. 903; Gaz. vol. 133; p. 1960.
- Kern, G., Peru, assignor to Western Clock Manufacturing Company, La Salle, Ill. Alarm-clock. No. 890,066; June 9; Sp. p. 1748; Dr. p. 388; Gaz. vol. 134; p. 1367.
- Kern, G., Peru, assignor to Western Clock Manufacturing Company, La Salle, Ill. Alarm-clock. No. 904,333; Nov. 17; Sp. p. 3701; Gaz. vol. 137; p. 657.
- Kern, L. P. (See McCoy, W. C., assignor.)
- Kern, W. J., West Hoboken, N. J. Safety device for elevators. No. 887,651; May 12; Sp. p. 2677; Dr. p. 565; Gaz. vol. 134; p. 461.
- Kernan, F., Syracuse, N. Y. Radiator for hot-air furnaces. No. 892,737; July 7; Sp. p. 683; Dr. p. 144; Gaz. vol. 135; p. 117.
- Kerns, H. F. (See Kerns, L. M. and H. F.)
- Kerns, L. M. and H. F., Hemple, Mo. Spring-motor. No. 887,946; May 19; Sp. p. 3275; Dr. p. 688; Gaz. vol. 134; p. 589.
- Keron, R. C., Philadelphia, Pa. Sad-iron cover. No. 904,265; Nov. 17; Sp. p. 3541; Gaz. vol. 137; p. 633.
- Kerr, C. V. (See Bascome and Kerr.)
- Kerr, E., and J. Smith, Pittsburg, Pa. Mold for hollow articles. No. 876,719; Jan. 14; Sp. p. 2120; Dr. pp. 465-6; Gaz. vol. 132; p. 376.
- Kerr, H. B., Baltimore, Md. Window-shade tool. No. 900,741; Oct. 13; Sp. p. 1431; Dr. p. 291; Gaz. vol. 136; p. 1320.
- Kerr, J. F., New York, N. Y. Sectional metallic cabinet. No. 907,507; Dec. 22; Sp. p. 4658; Gaz. vol. 137; p. 1851.
- Kerr, J. G., Ionia, Kans. Car-brake. No. 906,635; Dec. 15; Sp. p. 2935; Gaz. vol. 137; p. 1530.
- Kerr, J. S., Valparaiso, Chile. Sound-box. No. 901,713; Oct. 20; Sp. p. 3479; Dr. p. 704; Gaz. vol. 136; p. 1675.
- Kerr, R. M., Louisville, Ky. Means for closing and sealing mailable papers. No. 889,529; June 2; Sp. p. 683; Dr. p. 157; Gaz. vol. 134; p. 1166.
- Kerr Turbine Company. (See Bascome and Kerr, assignors.)
- Kerr, W. F., assignor to F. H. Jackson, Cleveland, Ohio. Clamp for carrying bricks by hand. No. 884,494; Apr. 14; Sp. p. 1675; Dr. p. 361; Gaz. vol. 133; p. 1489.
- Kerrigan, R. J., Montreal, Quebec, Canada. Cuff. No. 906,721; Dec. 15; Sp. p. 3101; Gaz. vol. 137; p. 1558.
- Kerschner, G. A., *et al.* (See Hutsler, C. W., assignor.)
- Kersey, E., Chicago, Ill. Gas-burner tip. No. 903,579; Nov. 10; Sp. p. 2095; Gaz. vol. 137; p. 374.
- Kersey, F. E., Cincinnati, Ohio. Power-excavator. No. 881,695; Mar. 10; Sp. p. 2382; Dr. pp. 516-17; Gaz. vol. 133; p. 428.
- Kersey, R., Lexington, Ky., assignor of one-half to W. T. Robards, Decatur, Tex. Track and carriage for swing-scaffolds. No. 876,194; Jan. 7; Sp. p. 984; Dr. p. 213; Gaz. vol. 132; p. 167.
- Kersey, R., Lexington, assignor of one-half to J. T. Bailey, McBrayer, Ky. Mail-sack-exchange mechanism for railways. No. 899,170; Sept. 22; Sp. p. 3813; Dr. p. 817; Gaz. vol. 136; p. 715.
- Kersey, W. H., assignor to Clark & Roberts Company, Indianapolis, Ind. Specialist's chair. No. 879,179; Feb. 18; Sp. p. 2653; Dr. p. 553; Gaz. vol. 132; p. 1343.
- Kershaw, F. N., assignor to Peerless Novelty Company, Racine, Wis. Apparel-hanger. No. 892,443; July 28; Sp. p. 4330; Dr. p. 893; Gaz. vol. 135; p. 759.
- Kerwin, J., Detroit, Mich. Excavator. No. 884,932; Apr. 14; Sp. p. 2584; Dr. pp. 544-5; Gaz. vol. 133; p. 1631.
- Kerwin, L. A. (See Allatt and Kerwin.)
- Kesler, C., Marion, Ohio. Nut-lock. No. 884,933; Apr. 14; Sp. p. 2586; Dr. p. 545; Gaz. vol. 133; p. 1631.
- Kesler, N. T., Zion City, Ill. Pencil-sharpener. No. 884,495; Apr. 14; Sp. p. 1677; Dr. p. 361; Gaz. vol. 133; p. 1489.
- Kesler, R., Philadelphia, Pa. Making artificial slate. No. 907,608; Dec. 22; Sp. p. 4878; Gaz. vol. 137; p. 1884.
- Kessels, N. J., *et al.* (See Skerman, W., assignor.)
- Kessler, B., Cabinet, Idaho. Fan-holder and stove-lid lifter. No. 899,992; Sept. 29; Sp. p. 5492; Dr. p. 1170; Gaz. vol. 136; p. 1017.
- Kessler, C. H., Odessa, Mo. Game-choker. No. 889,691; June 2; Sp. p. 988; Dr. p. 228; Gaz. vol. 134; p. 1218.
- Kessler, H. A., Los Angeles, Cal. Fly-catcher. No. 878,207; Feb. 4; Sp. p. 652; Dr. p. 133; Gaz. vol. 132; p. 951.
- Kessler, L., Des Moines, Iowa, assignor of one-half to C. E. Holtzman, Chicago, Ill. Receptacle for combustible liquids. No. 900,102; Oct. 6; Sp. p. 56; Dr. p. 11; Gaz. vol. 136; p. 1084.
- Kessler, L., Des Moines, Iowa, assignor of one-half to C. E. Holtzman, Chicago, Ill. Portable receptacle for liquids. No. 900,103; Oct. 6; Sp. p. 59; Dr. p. 11; Gaz. vol. 136; p. 1084.

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- Kessler, L., Des Moines, Iowa, assignor of one-half to C. E. Holtzman, Chicago, Ill. Portable receptacle for fluids. No. 900,104; Oct. 6; Sp. p. 62; Dr. p. 12; Gaz. vol. 136; p. 1085.
- Kessler, N., St. Michaels, Minn. Tongue-support. No. 895,185; Aug. 4; Sp. p. 815; Dr. pp. 170-1; Gaz. vol. 135; p. 1030.
- Kessler, W. H., *et al.* (See Hallahan, E. J., assignor.)
- Kessler, W. H., assignor of one-eighth to J. T. Hilton, Merwin, Mo. Fence and hitching post. No. 904,487; Nov. 17; Sp. p. 4020; Gaz. vol. 137; p. 708.
- Kessling, E., Brooklyn, N. Y. Thermometer. No. 879,474; Feb. 18; Sp. p. 3249; Dr. p. 677; Gaz. vol. 132; p. 1438.
- Kester, R. E. (See Sprout and Kester.)
- Kestner Evaporator Company. (See Kestner, P., assignor.)
- Kestner, P., Lille, France. Centrifugal fan or machine for atomizing liquids. No. 888,090; May 19; Sp. p. 3545; Dr. p. 741; Gaz. vol. 134; p. 635.
- Kestner, P., Lille, France. Apparatus for atomizing liquids. No. 888,091; May 19; Sp. p. 3547; Dr. p. 741; Gaz. vol. 134; p. 635.
- Kestner, P., Lille, France. Distribution of liquids in centrifugal fans or drums. No. 888,092; May 19; Sp. p. 3548; Dr. pp. 741-2; Gaz. vol. 134; p. 635.
- Kestner, P., Lille, France. Apparatus for intimately mixing liquid and gaseous fluids. No. 888,444; May 19; Sp. p. 4237; Dr. p. 898; Gaz. vol. 134; p. 751.
- Kestner, P., Lille, France, assignor to Kestner Evaporator Company, Philadelphia, Pa. Apparatus for concentrating liquids. No. 882,322; Mar. 17; Sp. p. 3669; Dr. p. 779; Gaz. vol. 133; p. 661.
- Keston Manufacturing Company of Baltimore City. (See Whitehurst, W. I., assignor.)
- Ketcham, C. H. (See Spang, H. W., assignor.)
- Ketchum, E. C., Boston, Mass. Locomotive. No. 885,055; Apr. 21; Sp. p. 2840; Dr. p. 603; Gaz. vol. 133; p. 1703.
- Ketchum, E. C., Boston, Mass. Antifriction-bearing. No. 900,860; Oct. 13; Sp. p. 1677; Dr. p. 339; Gaz. vol. 136; p. 1359.
- Kettman, C. W. (See Ohmer and Kettman.)
- Ketterer, E. (See Lamme and Ketterer.)
- Ketterer, H. (See De Long, J. W., assignor.)
- Keuffel & Esser Company. (See Bernegau, C. M., assignor.)
- Keuffel & Esser Company. (See Ferber, P., assignor.)
- Keuffel & Esser Company. (See Haff, O., assignor.)
- Keuffel & Esser Company. (See Hausstein, W. F., assignor.)
- Keuffel & Esser Company. (See Keuffel, W. L. E., assignor.)
- Keuffel, W. L. E., assignor to Keuffel & Esser Company, Hoboken, N. J. Calculating-machine. No. 882,567; Mar. 24; Sp. p. 4125; Dr. p. 875; Gaz. vol. 133; p. 774.
- Keuffel, W. L. E., assignor to Keuffel & Esser Company, Hoboken, N. J. Slide-rule. No. 907,373; Dec. 22; Sp. p. 4382; Gaz. vol. 137; p. 1805.
- Kevorkian, J. H., Philadelphia, Pa. Display-holder for cards or analogous articles. No. 906,894; Dec. 15; Sp. p. 3441; Gaz. vol. 137; p. 1613.
- Key, C. J., Macon, assignor of one-half to J. B. Key, Augusta, Ga. Combined shoe lacing and tongue holder. No. 879,272; Feb. 18; Sp. p. 2821; Dr. p. 591; Gaz. vol. 132; p. 1373.
- Key, J. A., and F. J. Tessmer, St. Louis, Mo. Balance-chuck. No. 906,895; Dec. 15; Sp. p. 3442; Gaz. vol. 137; p. 1613.
- Key, J. B. (See Key, C. J., assignor.)
- Keyes, E. L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Locking device for lasts. No. 901,350; Oct. 20; Sp. p. 2660; Dr. p. 545; Gaz. vol. 136; p. 1552.
- Keyes Fibre Company. (See Keyes, M. L., assignor.)
- Keyes, M. L., Fairfield, assignor to Keyes Fibre Company, Shawmut, Me. Apparatus for making pulp articles. No. 903,869; Nov. 17; Sp. p. 2703; Gaz. vol. 137; p. 498.
- Keyes, M. L., Fairfield, assignor to Keyes Fibre Company, Shawmut, Me. Joint for machines for molding articles from pulp. No. 903,870; Nov. 17; Sp. p. 2707; Gaz. vol. 137; p. 499.
- Keymer, H. J. C., Gorleston, Great Yarmouth, England. Rock-drill. No. 894,213; July 28; Sp. p. 3840; Dr. pp. 795-6; Gaz. vol. 135; p. 682.
- Keys, B., Chicago, Ill. Carton. No. 885,159; Apr. 21; Sp. p. 3068; Dr. p. 645; Gaz. vol. 133; p. 1737.
- Keys, M., Fort Worth, Tex. Windmill-gearing. No. 899,872; Sept. 29; Sp. p. 5242; Dr. p. 1120; Gaz. vol. 135; p. 979.
- Keys, S. W., Parkville, Mo. Dust-collector. No. 894,890; Aug. 4; Sp. p. 187; Dr. p. 41; Gaz. vol. 135; p. 930.
- Keyser, C. C., Washington, D. C. Automobile running-gear. No. 881,696; Mar. 10; Sp. p. 2383; Dr. pp. 517-18; Gaz. vol. 133; p. 428.
- Keyser, C. C., Washington, D. C. Friction drive mechanism for motor-cars. No. 894,958; Aug. 4; Sp. p. 361; Dr. p. 73; Gaz. vol. 135; p. 954.
- Keystone Developing Company. (See Gamber, J. B., assignor.)
- Keystone Driller Co. (See Downie, J. L., assignor.)
- Keystone Driller Co. (See Downie, R. M., assignor.)
- Keystone Forging Company. (See Weekes, J. D., assignor.)
- Keystone Supply & Manufacturing Company. (See Griffith, N. B., assignor.)
- Keystone Telephone Company. (See Sharer, C. W., assignor.)
- Keystone Telephone Company. (See Wilson, C. E., assignor.)
- Keystone Wire Matting Co. (See McPherson, T. C., assignor.)
- Kharas, T., Omaha, Nebr. Advertising device. No. 889,618; June 2; Sp. p. 840; Dr. p. 191; Gaz. vol. 134; p. 1194.
- Kiam, B., New Orleans, La. Stamp. No. 894,013; July 21; Sp. p. 3408; Dr. p. 697; Gaz. vol. 135; p. 595.
- Kibat, C., Belvidere, Ill. Sled-propeller. No. 903,387; Nov. 10; Sp. p. 1694; Gaz. vol. 137; p. 310.
- Kibbe, I. P., Cuero, Tex. Duplex door-check holder and buffer. No. 886,001; Apr. 28; Sp. p. 4816; Dr. p. 1011; Gaz. vol. 133; p. 2041.
- Kiblinger, L., Jackson, La. Telegraph-sounder. No. 899,307; Sept. 22; Sp. p. 4086; Dr. p. 873; Gaz. vol. 136; p. 759.
- Kidd, E. C., Heartwell, Nebr. End-gate. No. 892,163; June 30; Sp. p. 6043; Dr. p. 1300; Gaz. vol. 134; p. 2150.
- Kidd, W. C. (See Snow and Kidd.)
- Kidd, W. C., Suffern, N. Y., assignor to Standard Equipment Company, Mahwah, N. J. Switch-stand. No. 882,069; Mar. 17; Sp. p. 3186; Dr. p. 677; Gaz. vol. 133; p. 580.
- Kidd, W. C., Suffern, N. Y., assignor to Standard Equipment Company, Mahwah, N. J. Switch-stand. No. 885,160; Apr. 21; Sp. p. 3070; Dr. p. 645; Gaz. vol. 133; p. 1737.
- Kidder, G. O., Marcus, Iowa. Gate. No. 882,692; Mar. 24; Sp. p. 4372; Dr. p. 930; Gaz. vol. 133; p. 816.
- Kidder Press Company. (See Mason, R., assignor.)
- Kidder, W. P. (See Coffin, J. G., assignor.)
- Kidder, W. P., Boston, Mass. Controlling device. No. 894,444; July 28; Sp. p. 4331; Dr. p. 893; Gaz. vol. 135; p. 759.
- Kidder, W. P., Boston, Mass. Shock-absorbing mechanism for vehicle-springs. No. 900,888; Oct. 6; Sp. p. 667; Dr. p. 137; Gaz. vol. 136; p. 1177.
- Kidder, W. P., Jamaica Plain, Mass. Shock-absorber. No. 905,438; Dec. 1; Sp. p. 659; Gaz. vol. 137; p. 1089.
- Kidder, W. P., Boston, Mass., assignor to Parker Machine Company, Buffalo, N. Y. Carriage-shifting mechanism for type-writers. No. 882,828; Mar. 24; Sp. p. 4642; Dr. pp. 989-90; Gaz. vol. 133; p. 860.
- Kidder, W. P., Boston, Mass., assignor to Parker Machine Company, Buffalo, N. Y. Ribbon-reversing mechanism for type-writing machines. No. 882,829; Mar. 24; Sp. p. 4649; Dr. p. 990; Gaz. vol. 133; p. 860.
- Kidder, W. P., Boston, Mass., and C. W. Sponsel, Hartford, Conn., assignors to Parker Machine Company, Buffalo, N. Y. Type-writing machine. No. 879,107; Feb. 11; Sp. p. 2498; Dr. p. 520; Gaz. vol. 132; p. 1277.
- Kidney, A. H., New York, N. Y. Furnace. No. 902,970; Nov. 3; Sp. p. 872; Gaz. vol. 137; p. 145.
- Kidney, A. H., New York, N. Y. Means for exhausting and condensing furnace-fumes. No. 903,099; Nov. 3; Sp. p. 1129; Gaz. vol. 137; p. 185.
- Kidney, M., Dover, N. H. Grapple-fork. No. 899,308; Sept. 22; Sp. p. 4087; Dr. p. 873; Gaz. vol. 136; p. 759.
- Kidwell, J. H., Staunton, Va. Feed-water heater. No. 901,245; Oct. 13; Sp. p. 2412; Dr. pp. 494-5; Gaz. vol. 136; p. 1481.
- Kiefer, H. J., assignor to Laffargue Co., Inc., New York, N. Y. Case for player-pianos. No. 886,133; Apr. 28; Sp. p. 5083; Dr. pp. 136-7; Gaz. vol. 133; p. 2083.
- Kiefer, P. F., assignor to E. F. Greene, Silver Creek, N. Y. Automatic railway-switch. No. 903,480; Nov. 10; Sp. p. 1887; Gaz. vol. 137; p. 341.
- Kieffer, C. A., Swampscott, Mass. Collar-button. No. 884,092; Apr. 7; Sp. p. 857; Dr. p. 180; Gaz. vol. 133; p. 1329.
- Kiehle, J. M., Coudersport, Pa. Combination-tool. No. 886,987; May 5; Sp. p. 1285; Dr. p. 271; Gaz. vol. 134; p. 214.
- Kiel, W., Butler, N. J., assignor to American Hard Rubber Company, New York, N. Y. Article of rubber compound. No. 879,388; Feb. 18; Sp. p. 3061; Dr. p. 637; Gaz. vol. 132; p. 1410.
- Kienast, T. W., New York, N. Y., assignor to Samuel Cupples Envelope Company, St. Louis, Mo. Envelop-machine. No. 884,335; Apr. 7; Sp. p. 1336; Dr. pp. 285-6; Gaz. vol. 133; p. 1407.
- Kienast, T. W., New York, N. Y., assignor to Samuel Cupples Envelope Company, St. Louis, Mo. Feeding mechanism. No. 884,336; Apr. 7; Sp. p. 1342; Dr. pp. 286-7; Gaz. vol. 133; p. 1408.

Alphabetical list of patentees—Continued.

- Kienast, T. W., New York, N. Y., assignor to Samuel Cupples Envelope Company, St. Louis, Mo. Feeding mechanism. No. 884,337; Apr. 7; Sp. p. 1343; Dr. p. 287; Gaz. vol. 133; p. 1408.
- Kieren, C. (See Monahan and Kieren.)
- Kiernan, P., Minneapolis, assignor of one-half to J. Henderson, Duluth, Minn. Toe-pad for horseshoe-tips. No. 905,709; Dec. 1; Sp. p. 1178; Gaz. vol. 137; p. 1175.
- Kierstead, C. S., Cambridge, Mass. Apparatus for treating vegetables. No. 901,011; Oct. 13; Sp. p. 1996; Dr. pp. 405-6; Gaz. vol. 136; p. 1409.
- Kies, D. (See Schram and Kies.)
- Kies, G. A. (See Starrett, H. B., assignor.)
- Kiesel, W. F., Jr., Altoona, Pa. Railway-car frame. No. 878,538; Feb. 11; Sp. p. 1372; Dr. pp. 281-2; Gaz. vol. 132; p. 1095.
- Kiesel, W. F., Jr., Altoona, Pa. Interior finish for steel railway-cars. No. 878,539; Feb. 11; Sp. p. 1376; Dr. pp. 282-3; Gaz. vol. 132; p. 1095.
- Kiesel, W. F., Jr., Altoona, Pa. Window-sash. No. 878,540; Feb. 11; Sp. p. 1380; Dr. p. 283; Gaz. vol. 132; p. 1096.
- Kiesel, W. F., Jr., Altoona, Pa. Window-sash. No. 878,541; Feb. 11; Sp. p. 1381; Dr. pp. 283-4; Gaz. vol. 132; p. 1096.
- Kieser, W., Berlin, Germany, assignor to General Electric Company. Turbine-bucket. No. 883,889; Apr. 7; Sp. p. 442; Dr. p. 88; Gaz. vol. 133; p. 1262.
- Kieser, W., Berlin, Germany, assignor to General Electric Company. Turbine-wheel and bucket. No. 883,890; Apr. 7; Sp. p. 444; Dr. p. 88; Gaz. vol. 133; p. 1262.
- Kieser, W., Berlin, Germany, assignor to General Electric Company. Turbine-wheel and bucket. No. 883,891; Apr. 7; Sp. p. 446; Dr. p. 88; Gaz. vol. 133; p. 1262.
- Kieser, W., Berlin, Germany, assignor to General Electric Company. Nozzle for turbines. No. 883,892; Apr. 7; Sp. p. 448; Dr. p. 88; Gaz. vol. 133; p. 1263.
- Kieser, W., Berlin, Germany, assignor to General Electric Company. Means for collecting lubricating-oil from ship-turbine shaft-bearings. No. 885,056; Apr. 21; Sp. p. 2842; Dr. p. 604; Gaz. vol. 133; p. 1704.
- Kieser, W., Berlin, Germany, assignor to General Electric Company. Elastic-fluid turbine. No. 887,728; May 12; Sp. p. 2814; Dr. pp. 594-5; Gaz. vol. 134; p. 488.
- Kieser, W., Berlin, Germany, assignor to General Electric Company. Elastic-fluid turbine. No. 897,540; Sept. 1; Sp. p. 618; Dr. p. 128; Gaz. vol. 136; p. 97.
- Kieserling, R., Altona, Germany. Cement paving. No. 892,377; June 30; Sp. p. 6448; Dr. p. 1391; Gaz. vol. 134; p. 2220.
- Kiesler, L., New York, N. Y. Drop-head table and cabinet. No. 806,896; Dec. 15; Sp. p. 3444; Gaz. vol. 137; p. 1614.
- Kiewicz, J., Hyde Park, Mass. Collapsible couch-bed. No. 887,198; May 12; Sp. p. 1686; Dr. pp. 358-9; Gaz. vol. 134; p. 309.
- Kiger, H. J., and W. A. Hohman, Bellingham, Wash. Saw-guide. No. 895,091; Aug. 4; Sp. p. 630; Dr. p. 131; Gaz. vol. 135; p. 999.
- Right, W. K., Dexter, Mo., assignor to Universal Lens Company, Waverly, Kans. Lens. No. 896,393; Aug. 18; Sp. p. 3211; Dr. p. 688; Gaz. vol. 135; p. 1468.
- Kilborn, W. R. (See Teachout, R. B., assignor.)
- Kilbourn, W. H., assignor of one-half to C. J. Day, Greenfield, Mass. Faucet. No. 904,134; Nov. 17; Sp. p. 3247; Gaz. vol. 137; p. 589.
- Kilbourne and Jacobs Manufacturing Company. (See Bieber and Burner, assignors.)
- Kilbourne and Jacobs Manufacturing Company. (See Lied, E. M., assignor.)
- Kilbourne and Jacobs Manufacturing Company. (See Stagg, T. H., assignor.)
- Kilbride, E. M., Jersey City, N. J. Tiling for covering floors and walls. No. 879,554; Feb. 18; Sp. p. 3420; Dr. p. 716; Gaz. vol. 132; p. 1465.
- Kilbride, E. M., Jersey City, N. J. Tiling. No. 899,410; Sept. 22; Sp. p. 4266; Dr. p. 915; Gaz. vol. 136; p. 791.
- Kilburn, J. B. (See Hale and Kilburn.)
- Kilburn, J. B., and E. G. Budd, assignors to Hale-Kilburn Metal Company, Philadelphia, Pa. Seating. No. 884,736; Apr. 14; Sp. p. 2188; Dr. p. 464; Gaz. vol. 133; p. 1570.
- Kilburn, J. B., and E. G. Budd, assignors to Hale-Kilburn Metal Company, Philadelphia, Pa. Cushion. No. 897,541; Sept. 1; Sp. p. 621; Dr. p. 129; Gaz. vol. 136; p. 97.
- Kilburn, J. E., New Bedford, Mass. Pin-setting apparatus for bowling-alleys. No. 882,008; Mar. 17; Sp. p. 3065; Dr. p. 651; Gaz. vol. 133; p. 560.
- Kilburn, R. (See Hopkinson and Kilburn.)
- Kilbury, A., Elkhart, Ind. Floor-scraper. No. 876,885; Jan. 14; Sp. p. 2429; Dr. pp. 529-30; Gaz. vol. 132; p. 428.
- Kilgore, F. O., Minneapolis, Minn., assignor to Kilgore Manufacturing Company, Oldtown, Me. Cushioning device. No. 889,619; June 2; Sp. p. 841; Dr. p. 192; Gaz. vol. 134; p. 1195.
- Kilgore Manufacturing Company. (See Kilgore, F. O., assignor.)
- Kilhacky, J. (See Goehle, P. E., Sr., assignor.)
- Killam, G. T., and M. O'Neill, Everett, Mass. Rotary engine. No. 891,839; June 30; Sp. p. 5416; Dr. p. 1171; Gaz. vol. 134; p. 2045.
- Killeen, M., *et al.* (See Aiken, A. F., assignor.)
- Killen, E. B., London, England. Rubber tread or tire for wheels. No. 894,014; July 21; Sp. p. 3409; Dr. pp. 697-8; Gaz. vol. 135; p. 596.
- Killen, E. L., *et al.* (See Lightford, W. L., assignor.)
- Killerbrue, E. G., assignor to J. A. Pitts, Kenosha, Wis. Christmas-tree holder. No. 893,247; July 14; Sp. p. 1737; Dr. p. 368; Gaz. vol. 135; p. 313.
- Killian, C. A., Morse Bluff, Nebr. Pump-piston. No. 892,594; July 7; Sp. p. 385; Dr. p. 85; Gaz. vol. 135; p. 71.
- Killion, J. H., Chicago, Ill. Barrel or receptacle. No. 898,484; Sept. 15; Sp. p. 2511; Dr. p. 538; Gaz. vol. 136; p. 464.
- Killius, A. C., and W. McCormick, Hillyard, Wash. Indicator for traffic-cars. No. 908,105; Dec. 29; Sp. p. 5931; Gaz. vol. 137; p. 2077.
- Kilman, T. A., assignor to National Toy and Manufacturing Company, Nashville, Tenn. Mechanical toy. No. 895,186; Aug. 4; Sp. p. 816; Dr. p. 171; Gaz. vol. 135; p. 1030.
- Kilmer, G. B., Verona, assignor to Independent Harvester Company, Plano, Ill. Dumping-wagon. No. 907,150; Dec. 22; Sp. p. 3931; Gaz. vol. 137; p. 1730.
- Kilmer, M. D., *et al.* (See Donnelly and Frederick, assignors.)
- Kilmer, W. A., Cleveland, Ohio, assignor to Carroll Barb-Wire Manufacturing and Fence Co., Peoria, Ill. Barb-wire machine. No. 902,152; Oct. 27; Sp. p. 4348; Dr. pp. 880-2; Gaz. vol. 136; p. 1845.
- Kilmore, J. W. (See Hicks, C. G., assignor.)
- Kilpatrick, R. W., assignor to L. von Greave and I. H. Karper, Philadelphia, Pa. Smoke-siphon. No. 892,527; July 7; Sp. p. 267; Dr. p. 57; Gaz. vol. 135; p. 50.
- Kilpatrick, V., Yonkers, N. Y. Desk. No. 892,851; July 7; Sp. p. 919; Dr. p. 195; Gaz. vol. 135; p. 154.
- Kilpatrick, W. W., assignor to Air-Brake and Steam-Heat Connection Company, Atlanta, Ga. Air-hose coupling. No. 882,503; Mar. 17; Sp. p. 3977; Dr. pp. 849-50; Gaz. vol. 133; p. 720.
- Kilpatrick, W. W., Atlanta, Ga., assignor, by mesne assignments, to Westinghouse Air Brake Company. Air-hose coupling. (Reissue.) No. 12,902; Dec. 29; Sp. p. 6656; Gaz. vol. 137; p. 2192.
- Kilroy, W. D., Hatch End, assignor to himself, and Evershed & Vignoles Limited, Chiswick, England. Means for automatically indicating certain relative positions of guns or the like to each other. No. 889,852; June 2; Sp. p. 1283; Dr. pp. 294-5; Gaz. vol. 134; p. 1269.
- Kilstrom, A., Providence, R. I., assignor to D. M. Watkins & Company. Pin and pin-joint. No. 884,496; Apr. 14; Sp. p. 1677; Dr. p. 361; Gaz. vol. 133; p. 1489.
- Kimball, C. G., West Derry, N. H. Ice-cutter. No. 900,933; Oct. 13; Sp. p. 1844; Dr. p. 375; Gaz. vol. 136; p. 1382.
- Kimball, P. L., assignor to Vermont Farm Machine Company, Bellows Falls, Vt. Wrench. No. 898,657; Sept. 15; Sp. p. 2858; Dr. p. 611; Gaz. vol. 136; p. 521.
- Kimball, R. E., Fruitvale, Cal. Incandescent-lamp control. No. 879,555; Feb. 18; Sp. p. 3420; Dr. p. 716; Gaz. vol. 132; p. 1465.
- Kimball, S. E., Powderville, Mont. Vehicle-axle. No. 880,145; Feb. 25; Sp. p. 4655; Dr. p. 981; Gaz. vol. 132; p. 1690.
- Kimball, S. R., Sisseton, S. D. Attachment for stables. No. 883,204; Mar. 31; Sp. p. 5405; Dr. pp. 1151-2; Gaz. vol. 133; p. 1013.
- Kimber, E., Dorchester, Mass. Commercial instrument. No. 894,663; July 28; Sp. p. 4759; Dr. p. 988; Gaz. vol. 135; p. 829.
- Kimber, E., Dorchester, Mass. Check. No. 894,664; July 28; Sp. p. 4761; Dr. p. 988; Gaz. vol. 135; p. 830.
- Kimber, G. W., La Crosse, Wis. Display-crate. No. 887,097; May 12; Sp. p. 1523; Dr. p. 322; Gaz. vol. 134; p. 279.
- Kimber, W. E., Johannesburg, Transvaal. Apparatus for sharpening drills or drill-bits. No. 897,835; Sept. 1; Sp. p. 1209; Dr. p. 258; Gaz. vol. 136; p. 192.
- Kimber, W. E., Johannesburg, Transvaal. Apparatus for sharpening drills or drill-bits. No. 902,416; Oct. 27; Sp. p. 4900; Dr. pp. 992-3; Gaz. vol. 136; p. 1931.
- Kimble, J. E., Vicksburg, Mich. Oil feed or charge delivering device. No. 892,267; June 30; Sp. p. 6244; Dr. pp. 1343-4; Gaz. vol. 134; p. 2185.
- Kimble, L. B., Chillicothe, Ill. Alarm attachment for baling-presses. No. 898,583; Sept. 15; Sp. p. 2705; Dr. p. 578; Gaz. vol. 136; p. 496.
- Kimble, S. M., assignor of two-thirds to Simplex Manufacturing Co., Jackson, Mich. Cement block and brick machine. No. 878,542; Feb. 11; Sp. p. 1382; Dr. p. 284; Gaz. vol. 132; p. 1096.
- Kimble, W. F. (See Darnell and Kimble.)

Alphabetical list of patentees—Continued.

- Kimble, H. R., Boerne, Tex. Pin-box and fastener. No. 899,411; Sept. 22; Sp. p. 4267; Dr. p. 915; Gaz. vol. 136; p. 791.
- Kimche, F., Detroit, Mich. Pipe-fitting. No. 899,221; Sept. 22; Sp. p. 3908; Dr. p. 835; Gaz. vol. 136; p. 731.
- Kime, F. A., Baker City, Oreg. Hay-truck. No. 908,106; Dec. 29; Sp. p. 5933; Gaz. vol. 137; p. 2077.
- Kimes, H. W., assignor of two-thirds to J. H. Vaile, Dayton, Ohio. Trolley-harp. No. 886,517; May 5; Sp. p. 344; Dr. p. 71; Gaz. vol. 134; p. 64.
- Kimes, H. W., assignor of two-thirds to J. H. Vaile, Dayton, Ohio. Trolley-harp washer. No. 907,246; Dec. 22; Sp. p. 4150; Gaz. vol. 137; p. 1763.
- Kimes, W. E., Alliance, Ohio. Follower and holder for files. No. 875,933; Jan. 7; Sp. p. 470; Dr. p. 101; Gaz. vol. 132; p. 85.
- Kimman, H. J. (See Duntley and Kimman.)
- Kimmel, H. J., assignor of one-half to S. W. Kimmel, Wenatchee, Wash. Ruler. No. 895,373; Aug. 4; Sp. p. 1190; Dr. p. 250; Gaz. vol. 135; p. 1093.
- Kimmel, S. W. (See Kimmel, H. J., assignor.)
- Kimmel, W., Zanesville, Ohio. Combined desk and seat. No. 896,640; Aug. 18; Sp. p. 3689; Dr. p. 792; Gaz. vol. 135; p. 1548.
- Kimmerle Concrete Machinery Company. (See McMurtrie, T. A., assignor.)
- Kimsey, J. C., Philadelphia, Pa. Wardrobe bath-cabinet. No. 904,488; Nov. 17; Sp. p. 4021; Gaz. vol. 137; p. 708.
- Kimsey, J. C., assignor to American Paper Bottle Company, Philadelphia, Pa. Paper box or container. No. 882,522; Mar. 17; Sp. p. 4038; Dr. p. 860; Gaz. vol. 133; p. 728.
- Kincaid, C. W., Ronceverte, W. Va. Station-indicator. No. 885,487; Apr. 21; Sp. p. 3725; Dr. pp. 783-4; Gaz. vol. 133; p. 1844.
- Kincaid, F. L., and H. T. Preble, Stockton, Cal. Self-propelling combined harvester, agricultural engine, and truck. No. 900,389; Oct. 6; Sp. p. 668; Dr. pp. 137-8; Gaz. vol. 136; p. 1177.
- Kind, M., et al. (See Loewenstein, M., assignor.)
- Kindel, A. W., Denver, Colo. Nozzle for pneumatic cleaning apparatus. No. 890,987; June 16; Sp. p. 3673; Dr. p. 800; Gaz. vol. 134; p. 1701.
- Kindel, C. J. (See Coopersmith and Kindel.)
- Kindel, C. J., St. Louis, Mo. Davenport-bed. No. 880,221; Feb. 25; Sp. p. 4822; Dr. p. 1020; Gaz. vol. 132; p. 1717.
- Kindel, C. J., and J. B. Andres, New York, N. Y., assignors to Kindel Somersaultic Davenport Company of Delaware. Davenport-bed. No. 893,522; July 14; Sp. p. 2299; Dr. p. 482; Gaz. vol. 135; p. 403.
- Kindel Somersaultic Davenport Company of Delaware. (See Kindel and Andres, assignors.)
- Kinder, A. H., Boston, assignor to F. B. Hopewell, Newton, Mass. Tire-case. No. 881,411; Mar. 10; Sp. p. 1835; Dr. p. 398; Gaz. vol. 133; p. 336.
- Kinder, T. G., Mount Olive, Ind. Ratchet-wrench. No. 880,670; Mar. 3; Sp. p. 360; Dr. p. 79; Gaz. vol. 133; p. 63.
- Kindermann, G., Stettin, Germany. Combined water-filter and regulating-tap. No. 888,712; May 26; Sp. p. 4793; Dr. p. 1021; Gaz. vol. 134; p. 870.
- Kindig, I. L., Secor, Ill. Self-setting trap. No. 888,820; May 26; Sp. p. 5037; Dr. p. 1074; Gaz. vol. 134; p. 905.
- Kindred, M. M., Milwaukee, Wis. Scraper for kitchen use. No. 896,304; Aug. 18; Sp. p. 3212; Dr. p. 688; Gaz. vol. 135; p. 1468.
- Kindwall, A. T., Albert City, Iowa. Device for holding bills and the like. No. 883,317; Mar. 31; Sp. p. 5639; Dr. p. 1203; Gaz. vol. 133; p. 1050.
- Kinealy, J. H. (See Brooks and Kinealy.)
- Kinealy, J. H., Ferguson, Mo. Air-purifying apparatus. No. 879,273; Feb. 18; Sp. p. 2822; Dr. p. 591; Gaz. vol. 132; p. 1373.
- Kinealy, J. H., Ferguson, Mo. Apparatus for sewage disposal. No. 880,540; Mar. 3; Sp. p. 87; Dr. p. 20; Gaz. vol. 133; p. 19.
- Kinealy, J. H., assignor by mesne assignments, to A. G. Paul, Boston, Mass. Valve device for heating systems. No. 890,239; June 9; Sp. p. 2099; Dr. pp. 460-1; Gaz. vol. 134; p. 1424.
- Kiner, A. G., Chicago, Ill. Hat-protector. No. 881,132; Mar. 10; Sp. p. 1278; Dr. p. 275; Gaz. vol. 133; p. 247.
- Kinert, L. T., Boise, Idaho. Cereal-dish. No. 876,808; Jan. 14; Sp. p. 2265; Dr. p. 498; Gaz. vol. 132; p. 403.
- Kinetoplane Display Company. (See Farrand, H. A., assignor.)
- King, A., San Antonio, Tex. Advertising street-car sign. No. 878,637; Feb. 11; Sp. p. 1607; Dr. p. 328; Gaz. vol. 132; p. 1129.
- King, A., Chicago, Ill. Asphalt-ripper. No. 878,638; Feb. 11; Sp. p. 1608; Dr. p. 328; Gaz. vol. 132; p. 1129.
- King, A. J., Pittsburg, Pa. Envelop. No. 905,542; Dec. 1; Sp. p. 877; Gaz. vol. 137; p. 1123.
- King, E. A., assignor to W. E. Davis, Birmingham, Ala. Gearing. No. 879,108; Feb. 11; Sp. p. 2508; Dr. p. 521; Gaz. vol. 132; p. 1277.
- King, B. W. (See Harper, J. D., assignor.)
- King, C. (See Rice and King.)
- King, C., Isleworth, England. Elastic wheel-tire. No. 906,805; Dec. 15; Sp. p. 3262; Gaz. vol. 137; p. 1585.
- King, C. B., assignor to Northern Motor Car Company, Detroit, Mich. Clutch. No. 877,437; Jan. 21; Sp. p. 3590; Dr. p. 778; Gaz. vol. 132; p. 653.
- King, C. B., assignor to Northern Motor Car Company, Detroit, Mich. Change-speed and reversing gear. No. 890,565; June 9; Sp. p. 2744; Dr. p. 607; Gaz. vol. 134; p. 1529.
- King, C. B., assignor to Northern Manufacturing Company, Detroit, Mich. Igniter. No. 891,552; June 23; Sp. p. 4803; Dr. p. 1038; Gaz. vol. 134; p. 1917.
- King, C. C., assignor to C. W. Hunt Company, New York, N. Y. Clam-shell bucket. No. 891,706; June 23; Sp. p. 5133; Dr. pp. 1108-9; Gaz. vol. 134; p. 1969.
- King, C. E., Randolph, Kans. Paper-file. No. 883,543; Mar. 31; Sp. p. 6129; Dr. p. 1303; Gaz. vol. 133; p. 1123.
- King, C. G., Chicago, Ill. Furnace-door. No. 890,067; June 9; Sp. p. 1749; Dr. p. 388; Gaz. vol. 134; p. 1368.
- King, C. S., Pawtucket, R. I. Packet for braid and other narrow fabrics. No. 897,628; Sept. 1; Sp. p. 792; Dr. p. 166; Gaz. vol. 136; p. 126.
- King, C. W. G., assignor to United States Metallic Packing Company, Philadelphia, Pa. Rod-packing. No. 875,934; Jan. 7; Sp. p. 471; Dr. p. 102; Gaz. vol. 132; p. 85.
- King Cotton Picker Co. (See Hervey, J. and W. L., assignors.)
- King, D. (See St. Peter, N., assignor.)
- King, D. W., Maitland, Mo. Road-grader. No. 884,497; Apr. 14; Sp. p. 1679; Dr. p. 362; Gaz. vol. 133; p. 1489.
- King, E. A., Philadelphia, Pa. Caloric kiln. No. 900,742; Oct. 13; Sp. p. 1432; Dr. p. 291; Gaz. vol. 136; p. 1320.
- King, E. A., assignor to Henry Disston & Sons Incorporated, Philadelphia, Pa. Level. No. 876,720; Jan. 14; Sp. p. 2121; Dr. p. 466; Gaz. vol. 132; p. 376.
- King, E. H., Pittsburg, Pa., and S. H. King, Providence, R. I. Overshoe-fastener. No. 905,323; Dec. 1; Sp. p. 371; Gaz. vol. 137; p. 1048.
- King, E. H., Pittsburg, Pa., and S. H. King, Providence, R. I. Overshoe-fastener. No. 905,324; Dec. 1; Sp. p. 374; Gaz. vol. 137; p. 1047.
- King, E. R., Memphis, Tenn. Wood-boring-machine guard. No. 899,412; Sept. 22; Sp. p. 4269; Dr. p. 916; Gaz. vol. 136; p. 791.
- King, F. H., and D. F. Arburn, Evansville, Ind. Barrel-raiser. No. 900,391; Oct. 6; Sp. p. 676; Dr. p. 138; Gaz. vol. 136; p. 1178.
- King, F. O., Aitken, Minn. Record-book. No. 879,109; Feb. 11; Sp. p. 2509; Dr. p. 521; Gaz. vol. 132; p. 1277.
- King, G. I., Detroit, Mich., assignor to American Car & Foundry Company, St. Louis, Mo. Gondola car. No. 895,275; Aug. 4; Sp. p. 1018; Dr. p. 213; Gaz. vol. 135; p. 1062.
- King, G. W., assignor to Marion Steam Shovel Company, Marion, Ohio. Dredge. No. 890,773; June 16; Sp. p. 3222; Dr. pp. 704-5; Gaz. vol. 134; p. 1632.
- King, H. B., assignor to F. J. Knox, Hartford, Conn. Well-drill. No. 886,704; May 5; Sp. p. 744; Dr. pp. 152-3; Gaz. vol. 134; p. 126.
- King, H. G., Denver, Colo. Rotary screen for ores and materials. No. 892,070; Mar. 17; Sp. p. 3188; Dr. p. 678; Gaz. vol. 133; p. 580.
- King, H. G., Denver, Colo. Rotary screen for ores and other materials. No. 905,325; Dec. 1; Sp. p. 376; Gaz. vol. 137; p. 1047.
- King & Hamilton Company. (See Gilman, J. H., assignor.)
- King & Hamilton Company. (See Hall, F., assignor.)
- King, J., Troy, N. Y. Skate. No. 892,164; June 30; Sp. p. 6044; Dr. p. 1300; Gaz. vol. 134; p. 2151.
- King, J. H., et al. (See Reed, F. B., assignor.)
- King, J. J. (See Scott, King, and Brown.)
- King, J. N., Rochester, N. Y., assignor of one-half to F. L. Boppe, Newark, N. J. Newspaper-holder. No. 892,738; July 7; Sp. p. 685; Dr. p. 144; Gaz. vol. 135; p. 118.
- King, J. Q. (See La Brake, M. J., assignor.)
- King, J. R., assignor of one-fourth to J. F. Gladish and one-fourth to W. Foust, Petersburg, Ind. Concrete block. No. 884,498; Apr. 14; Sp. p. 1680; Dr. p. 362; Gaz. vol. 133; p. 1490.
- King, L. M. (See Seymour, C. E., assignor.)
- King, L. M. (See Bayless, W. C., assignor.)
- King, L. O., Good Hope, Ohio. Collar-pad. No. 903,293; Nov. 10; Sp. p. 1515; Gaz. vol. 137; p. 279.
- King, L. W., Kansas City, Mo. Safety-pin. No. 896,214; Aug. 18; Sp. p. 2843; Dr. p. 612; Gaz. vol. 135; p. 1411.
- King, M. A., et al. (See Barri, J. G., assignor.)
- King, M. J. (See Southward, D. H., assignor.)
- King Machine Tool Company. (See Muller, E. A., assignor.)
- King, P. (See Taylor, H. G., assignor.)
- King, P., Springfield, Ohio. Hammock-stand and awning. No. 902,087; Oct. 27; Sp. p. 4219; Dr. pp. 854-5; Gaz. vol. 136; p. 1824.

Alphabetical list of patentees—Continued.

- King, R. B. (See McVoy, V. P., assignor.)
- King, R. W., assignor to S. A. King, Syracuse, N. Y. Trunk-lock. No. 897,377; Sept. 1; Sp. p. 276; Dr. p. 57; Gaz. vol. 136; p. 42.
- King, Rice and Ganey. (See Rice and King, assignors.)
- King, S. A. (See King, R. W., assignor.)
- King, S. H. (See King, E. H. and S. H.)
- King, S. P., Norton, Kans. Gate opening and closing device. No. 904,963; Nov. 24; Sp. p. 5012; Gaz. vol. 137; p. 894.
- King, T., *et al.* (See Schuman, J. B., assignor.)
- King, T. A., *et al.* (See Reed, F. B., assignor.)
- King, T. C. (See Ricketts and King.)
- King, T. C., New York, N. Y., assignor to National Metallurgic Company, Jersey City, N. J. Method and apparatus for utilizing the heat from cement clinkers. No. 894,507; July 28; Sp. p. 4452; Dr. pp. 921-2; Gaz. vol. 135; p. 779.
- King, V. J., Lorain, Ohio. Engine-stop. No. 883,029; Mar. 24; Sp. p. 5040; Dr. p. 1073; Gaz. vol. 133; p. 925.
- King, W. R., Newark, N. J., assignor to Hanson & Van Winkle Company. Basket raising and lowering device for electroplating apparatus. No. 882,783; Mar. 24; Sp. p. 4543; Dr. p. 970; Gaz. vol. 133; p. 844.
- King, W. R., Newark, N. J., assignor to Hanson & Van Winkle Company. Electroplating apparatus. No. 888,093; May 19; Sp. p. 3551; Dr. p. 742; Gaz. vol. 134; p. 636.
- King, W. S., San Francisco, Cal. Centering for concrete and tile construction. No. 893,328; July 14; Sp. p. 1890; Dr. p. 395; Gaz. vol. 135; p. 340.
- Kingsman, H. R., Mount Vernon, Ill. Fluid-gear. No. 905,885; Dec. 8; Sp. p. 1525; Gaz. vol. 137; p. 1264.
- Kingsbury, A., South Coventry, Conn. Machine for making tissues or files and attaching them to boxes. No. 894,959; Aug. 4; Sp. p. 364; Dr. pp. 73-5; Gaz. vol. 135; p. 954.
- Kingsbury, A., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Friction-clutch. No. 882,693; Mar. 24; Sp. p. 4373; Dr. p. 931; Gaz. vol. 133; p. 816.
- Kingsbury, C. H., assignor, by mesne assignments, to H. L. Kingsbury, Danielson, Conn. Garment-hanger. No. 885,161; Apr. 21; Sp. p. 3072; Dr. p. 645; Gaz. vol. 133; p. 1738.
- Kingsbury, H. L. (See Kingsbury, C. H., assignor.)
- Kingsbury, H. T., Keene, N. H. Printing-press. No. 881,133; Mar. 10; Sp. p. 1279; Dr. pp. 275-6; Gaz. vol. 133; p. 247.
- Kingsbury, H. T., Keene, N. H. Printing-press. No. 881,134; Mar. 10; Sp. p. 1282; Dr. p. 276; Gaz. vol. 133; p. 247.
- Kingsbury, H. T., Keene, N. H. Toy dump-cart. No. 891,997; June 30; Sp. p. 5731; Dr. pp. 1232-3; Gaz. vol. 134; p. 2097.
- Kingsbury, H. T., Keene, N. H. Dumping-cart. No. 892,268; June 30; Sp. p. 6249; Dr. p. 1544; Gaz. vol. 134; p. 2186.
- Kingsley, F., New York, N. Y. Mechanism for feeding furnaces. No. 900,390; Oct. 6; Sp. p. 673; Dr. p. 138; Gaz. vol. 136; p. 1177.
- Kingsley, H. L., Racine, Wis. Neck-yoke. No. 896,732; Aug. 25; Sp. p. 3877; Dr. p. 839; Gaz. vol. 135; p. 1599.
- Kingston, C. H., Columbus, Miss. Type-writer table. No. 901,916; Oct. 20; Sp. p. 3350; Dr. p. 786; Gaz. vol. 136; p. 1739.
- Kingston, J. C., Buffalo, N. Y. Car-door lock. No. 893,248; July 14; Sp. p. 1738; Dr. p. 363; Gaz. vol. 135; p. 313.
- Kingston, J. J. (See Howe and Kingston.)
- Kingston, J. L., Boston, Mass., assignor of one-half to C. W. Ellis, Brooklyn, N. Y. Stair-carpet fastener. No. 888,713; May 26; Sp. p. 4794; Dr. p. 1021; Gaz. vol. 134; p. 870.
- Kingston, W. H., Newark, N. J., assignor of one-half to G. A. Weld, Winchester, Mass. Machine for setting lacing-hooks. No. 876,063; Jan. 7; Sp. p. 728; Dr. p. 156; Gaz. vol. 132; p. 126.
- Kingzett, C. T., Kensington, and E. P. Kingzett, Caterham, England. Playing-ball. No. 878,070; Feb. 4; Sp. p. 362; Dr. p. 75; Gaz. vol. 132; p. 907.
- Kingzett, E. P. (See Kingzett, C. T. and E. P.)
- Kinkade, E. S., Geneva, Nebr. Harrow. No. 897,905; Sept. 8; Sp. p. 1364; Dr. p. 293; Gaz. vol. 136; p. 247.
- Kinkennon, G. F., Des Moines, Iowa. Clothes-line reel. No. 896,641; Aug. 18; Sp. p. 3690; Dr. p. 793; Gaz. vol. 135; p. 1548.
- Kinley, C. H., *et al.* (See De Martino, J., assignor.)
- Kinnard, L. H., assignor of one-half to R. S. Chamberlin, Harrisburg, Pa. Tire-protecting device. No. 890,362; June 9; Sp. p. 2368; Dr. p. 522; Gaz. vol. 134; p. 1464.
- Kinnard, W. M., Dayton, assignor to C. B. Oglesby, Middletown, Ohio. Paper pail. No. 903,481; Nov. 10; Sp. p. 1891; Gaz. vol. 137; p. 341.
- Kinne, E. P., Alliance, Ohio, assignor to American Steel Foundries, New York, N. Y. Coupling. No. 899,413; Sept. 22; Sp. p. 4270; Dr. p. 916; Gaz. vol. 136; p. 792.
- Kinnear and Gager Manufacturing Company. (See Gager, E. B., assignor.)
- Kinnear Manufacturing Company. (See McCloud, E. H., assignor.)
- Kinnear, W. R., New York, N. Y. Portable steam-radiator heater. No. 894,445; July 28; Sp. p. 4335; Dr. pp. 893-4; Gaz. vol. 135; p. 759.
- Kinnear, W. R., New York, N. Y. Portable hot-water radiator. No. 896,837; Aug. 25; Sp. p. 4131; Dr. p. 885; Gaz. vol. 135; p. 1636.
- Kinney, E. B., *et al.* (See Bruzas, H. P., assignor.)
- Kinney, E. P. (See Janney, Kinney, and Trump.)
- Kinney, J. (See Hunt and Kinney.)
- Kinney, J. H., Rockaway, N. J. Tooth-brush. No. 905,886; Dec. 8; Sp. p. 1527; Gaz. vol. 137; p. 1264.
- Kinnicutt, A., West Albany, N. Y. Picture-card. No. 882,150; Mar. 17; Sp. p. 3324; Dr. p. 708; Gaz. vol. 133; p. 605.
- Kinon, V., Aix-la-Chapelle, Germany. Machine for grinding and polishing the edges of plates of glass, marble, and the like. No. 882,115; Mar. 17; Sp. p. 3266; Dr. p. 695; Gaz. vol. 133; p. 594.
- Kinraide, T. B., Jamaica Plain, Mass. Electric spark-gap for interrupters. No. 884,499; Apr. 14; Sp. p. 1682; Dr. p. 362; Gaz. vol. 133; p. 1490.
- Kinsel, J., Philadelphia, Pa. Syringe. No. 889,022; May 26; Sp. p. 5433; Dr. pp. 1154-5; Gaz. vol. 134; p. 970.
- Kinsel, J., Philadelphia, Pa. Antiraud-bottle. No. 901,107; Oct. 13; Sp. p. 2178; Dr. p. 442; Gaz. vol. 136; p. 1438.
- Kinsey, B., Wyoming, Ohio. Concrete vault. No. 878,639; Feb. 11; Sp. p. 1610; Dr. p. 328; Gaz. vol. 132; p. 1129.
- Kinsey, C. M., King, Tex. Window-lock. No. 877,088; Jan. 21; Sp. p. 2881; Dr. p. 622; Gaz. vol. 132; p. 537.
- Kinsman, F. E., Plainfield, N. J. Single-track signaling and train-controlling system for railways. No. 876,064; Jan. 7; Sp. p. 731; Dr. pp. 156-7; Gaz. vol. 132; p. 126.
- Kinsman, F. E., Plainfield, N. J. Block-signal system. No. 882,523; Mar. 17; Sp. p. 4039; Dr. p. 861; Gaz. vol. 133; p. 728.
- Kintner, C. J., New York, N. Y. Electrically-controlled releasing device. No. 876,274; Jan. 7; Sp. p. 1150; Dr. p. 250; Gaz. vol. 132; p. 193.
- Kintner, C. J., New York, N. Y. Dough-cutting machine. No. 902,088; Oct. 27; Sp. p. 4221; Dr. p. 855; Gaz. vol. 136; p. 1824.
- Kinton, W. G. (See Wray, Gardner, and Kinton.)
- Kintz, R. F., Meriden, Conn. Detachable handle for glasses. No. 902,236; Oct. 27; Sp. p. 4527; Dr. p. 917; Gaz. vol. 136; p. 1871.
- Kintz, R. R., assignor to International Silver Co., Meriden, Conn. Bottle-holder. No. 890,284; June 9; Sp. p. 2216; Dr. p. 467; Gaz. vol. 134; p. 1439.
- Kip, F. E., Montclair, N. J. Warp stop-motion for looms. No. 902,741; Nov. 3; Sp. p. 413; Gaz. vol. 137; p. 71.
- Kip, F. E., Montclair, N. J., and E. C. Smith, Seekonk, Mass., assignors to Batten-Hayes Company, Lewiston, Me. Traveling-flat carding-engine. No. 878,884; Feb. 11; Sp. p. 2068; Dr. p. 430; Gaz. vol. 132; p. 1208.
- Kiple, V., West Union, Iowa. Door-hinge. No. 904,620; Nov. 24; Sp. p. 4279; Gaz. vol. 137; p. 779.
- Kipping, L. (See Black and Kipping.)
- Kippes, H. R. (See Harris, M., assignor.)
- Kiralfy, I., South Kensington, London, England. Device for conveying or transporting and affording amusement. No. 887,652; May 12; Sp. p. 2679; Dr. pp. 566-7; Gaz. vol. 134; p. 461.
- Kirby, A. G., Goldfield, Nev. Pulp-classifier. No. 895,092; Aug. 4; Sp. p. 632; Dr. p. 131; Gaz. vol. 135; p. 999.
- Kirby, C. F., Jr., San Francisco, Cal. Pipe-bending machine. No. 902,742; Nov. 3; Sp. p. 416; Gaz. vol. 137; p. 72.
- Kirby, E. B., Flat River, Mo. Stopping or sealing off underground flows of water into mine-workings, &c. No. 900,683; Oct. 6; Sp. p. 1320; Dr. p. 270; Gaz. vol. 136; p. 1275.
- Kirby, E. P., *et al.* (See Wolke, G., assignor.)
- Kirby, G. J., Willimantic, Conn. Receptacle-closure. No. 897,983; Sept. 8; Sp. p. 1543; Dr. p. 328; Gaz. vol. 136; p. 273.
- Kirby, H. A., Cleveland, Ohio, assignor to N. O. Gray, Indianapolis, Ind. Attachment for type-writers. No. 877,719; Jan. 28; Sp. p. 4156; Dr. p. 900; Gaz. vol. 132; p. 764.
- Kirby, J. B., assignor to L. Sands, Cleveland Ohio. Vibrator for movement-cure purposes. No. 891,776; June 23; Sp. p. 5259; Dr. p. 1139; Gaz. vol. 134; p. 1993.
- Kirch, C. J., Keokuk, Iowa. Slop jar or pail. No. 890,517; June 9; Sp. p. 2651; Dr. p. 586; Gaz. vol. 134; p. 1513.
- Kirchoff, F. R., Detroit, Mich. Pipe-coupling and valve. No. 877,720; Jan. 28; Sp. p. 4157; Dr. p. 900; Gaz. vol. 132; p. 764.
- Kirchoff, W. C., Russell, assignor of two-thirds to C. B. Amyx and J. W. Powell, Chanute, Kans. Oil-burner. No. 893,172; July 14; Sp. p. 1592; Dr. p. 338; Gaz. vol. 135; p. 289.
- Kirchoff, W. G., Chicago, Ill. Adjustable bracket. No. 883,138; Mar. 24; Sp. p. 5265; Dr. p. 1124; Gaz. vol. 133; p. 962.

Alphabetical list of patentees—Continued.

- Kirchhoff, W. G., assignor to International Register Company, Chicago, Ill. Wheel. No. 884,093; Apr. 7; Sp. p. 858; Dr. p. 180; Gaz. vol. 133; p. 1330.
- Kirchner, E. A., Minneapolis, Minn. Self-arighting stamp. No. 878,007; Feb. 4; Sp. p. 221; Dr. p. 48; Gaz. vol. 132; p. 887.
- Kirchner, H. W., St. Louis, Mo., assignor to River & Rail Transportation Company, Guthrie, Okla. Freight-car. No. 885,162; Apr. 21; Sp. p. 3074; Dr. p. 646; Gaz. vol. 133; p. 1738.
- Kirk, A. H., Minneapolis, Minn. Grain-dampener. No. 881,135; Mar. 10; Sp. p. 1283; Dr. p. 277; Gaz. vol. 133; p. 248.
- Kirk, A. S., Monett, Mo. Bottle. No. 884,168; Apr. 7; Sp. p. 1055; Dr. p. 220; Gaz. vol. 133; p. 1354.
- Kirk, E. J., Bracebridge, Ontario, Canada. Display-stand. No. 895,867; Aug. 11; Sp. p. 2190; Dr. p. 465; Gaz. vol. 135; p. 1277.
- Kirk, F. L., assignor to Gorham Company, New York, N. Y. Bag. No. 885,488; Apr. 21; Sp. p. 3726; Dr. p. 784; Gaz. vol. 133; p. 1844.
- Kirk, G. E., assignor to W. A. Baker, Toledo, Ohio. Electrical temperature reader and recorder. No. 905,326; Dec. 1; Sp. p. 384; Gaz. vol. 137; p. 1047.
- Kirk, L. F. (See Hemenway and Kirk.)
- Kirk, R. S., assignor to Alliance Machine Company, Alliance, Ohio. Ingot-stripper. No. 888,094; May 19; Sp. p. 3553; Dr. pp. 742-4; Gaz. vol. 134; p. 636.
- Kirk, R. S., assignor to Alliance Machine Company, Alliance, Ohio. Ingot-stripper. No. 888,095; May 19; Sp. p. 3555; Dr. pp. 744-5; Gaz. vol. 134; p. 637.
- Kirk, S., Abilene, Tex. Rubber-extracting machine. No. 888,714; May 26; Sp. p. 4795; Dr. p. 1021; Gaz. vol. 134; p. 871.
- Kirk, T. F., Jr., et al. (See Ruple, F., assignor.)
- Kirk, W. R., assignor of one-half to J. C. Sanders, Kansas City, Mo. Fly and dust proof show-case. No. 907,609; Dec. 22; Sp. p. 4879; Gaz. vol. 137; p. 1884.
- Kirkegaard, G., New York, N. Y. Bottle-capping machine. No. 880,671; Mar. 3; Sp. p. 361; Dr. pp. 79-80; Gaz. vol. 133; p. 64.
- Kirkegaard, G., New York, N. Y., assignor to Imperial Stopper Company. Bottle-stopper. No. 889,137; May 26; Sp. p. 5672; Dr. p. 1200; Gaz. vol. 134; p. 1007.
- Kirkegaard, G., New York, N. Y., assignor to Imperial Stopper Company. Bottle-stopper. No. 890,141; June 9; Sp. p. 1894; Dr. p. 420; Gaz. vol. 134; p. 1392.
- Kirkegaard, G., New York, N. Y., assignor to Imperial Stopper Company. Bottle-stopper. No. 890,910; June 16; Sp. p. 3484; Dr. p. 704; Gaz. vol. 134; p. 1675.
- Kirkegaard, G., New York, N. Y., assignor to Imperial Stopper Company. Bottle-stopper. No. 897,542; Sept. 1; Sp. p. 624; Dr. p. 129; Gaz. vol. 136; p. 93.
- Kirkegaard, G., New York, N. Y., assignor to Imperial Stopper Company. Bottle-stopper. No. 899,737; Sept. 29; Sp. p. 4938; Dr. p. 1059; Gaz. vol. 136; p. 933.
- Kirkegaard, G., New York, N. Y., assignor to Imperial Stopper Company. Automatic-feed capping-machine. No. 904,879; Nov. 24; Sp. p. 4848; Gaz. vol. 137; p. 866.
- Kirkegaard, G., New York, N. Y., assignor to S. Hutchins, Washington, D. C. Sound recording and reproducing instrument. No. 900,392; Oct. 6; Sp. p. 677; Dr. p. 139; Gaz. vol. 136; p. 1178.
- Kirkegaard, G., and F. Jebens, New York, N. Y. Bottle-stopper. No. 883,544; Mar. 31; Sp. p. 6130; Dr. p. 1303; Gaz. vol. 133; p. 1123.
- Kirkham, J., West Terre Haute, Ind. Hen's nest. No. 903,822; Nov. 10; Sp. p. 2580; Gaz. vol. 137; p. 451.
- Kirkland, A. T. (See Reed, G. B., assignor.)
- Kirkland, C. M., assignor to G. W. Hughes, St. Paul, Minn. Manifold sales-book. No. 882,568; Mar. 24; Sp. p. 4128; Dr. p. 876; Gaz. vol. 133; p. 774.
- Kirkland, C. M., assignor to G. W. Hughes, St. Paul, Minn. Autographic register. No. 905,710; Dec. 1; Sp. p. 1179; Gaz. vol. 137; p. 1175.
- Kirkland, F. S., Milwaukee, Wis. Stamp-mill shafting. No. 885,259; Apr. 21; Sp. p. 3278; Dr. p. 684; Gaz. vol. 133; p. 1771.
- Kirkner & Co., J. (See Catlin, W. P., assignor.)
- Kirkpatrick, A. L. and J. C. Cornish, Okla. Cotton-cultivating implement. No. 907,508; Dec. 22; Sp. p. 4660; Gaz. vol. 137; p. 1851.
- Kirkpatrick, E. E., trustee. (See Platt, O. S. and L. A., assignors.)
- Kirkpatrick, J. C. (See Kirkpatrick, A. L. and J. C.)
- Kirkpatrick-Picard, H. F. (See Sulman, Kirkpatrick-Picard, and Ballot.)
- Kirkpatrick, W. M. (See Sicka and Collins, assignors.)
- Kirkpatrick, W. P., Arrowsmith, Ill. Carpet cutting and raveling machine. No. 904,964; Nov. 24; Sp. p. 5014; Gaz. vol. 137; p. 894.
- Kirksey, J. G., Carthage, Mo. Ore-separator. No. 906,535; Dec. 15; Sp. p. 2757; Gaz. vol. 137; p. 1500.
- Kirkwood, W., Chicago, Ill. Double-acting power-pump. No. 899,541; Sept. 29; Sp. p. 4533; Dr. p. 974; Gaz. vol. 136; p. 870.
- Kirkwood, W., Chicago, Ill. Evaporator. No. 899,738; Sept. 29; Sp. p. 4940; Dr. p. 1059; Gaz. vol. 136; p. 933.
- Kirmse, O. E., assignor to Friedenwald Company, Baltimore, Md. Folding box. No. 887,729; May 12; Sp. p. 2816; Dr. p. 555; Gaz. vol. 134; p. 488.
- Kirschbaum, H., New York, N. Y. Hinge. No. 893,631; July 21; Sp. p. 2558; Dr. p. 533; Gaz. vol. 135; p. 469.
- Kirschniok, J., Zabrze, Germany. Mining. No. 878,208; Feb. 4; Sp. p. 653; Dr. p. 134; Gaz. vol. 132; p. 952.
- Kirschweg, J., Spokane, Wash. Current-motor. No. 882,694; Mar. 24; Sp. p. 4375; Dr. p. 931; Gaz. vol. 133; p. 817.
- Kirtland, W., Safford, Ariz. Ter. Derrick. No. 884,666; Apr. 14; Sp. p. 2059; Dr. p. 440; Gaz. vol. 133; p. 1545.
- Kiser, F. C., and J. B. Haslinger, Fremont, Ohio. Scissors or shears. No. 887,400; May 12; Sp. p. 2197; Dr. p. 459; Gaz. vol. 134; p. 379.
- Kiser, I. L., St. Charles, Mo. Hinge-joint. No. 883,893; Apr. 7; Sp. p. 450; Dr. p. 89; Gaz. vol. 133; p. 1263.
- Kishi, K., and M. Nakamura, Tokyo, Japan. Generator. No. 894,015; July 21; Sp. p. 3412; Dr. p. 698; Gaz. vol. 135; p. 596.
- Kislinger-Ison Company. (See Oskamp, A., assignor.)
- Kissack, L. D., Cloverdale, Cal. Marine governor. No. 881,697; Mar. 10; Sp. p. 2385; Dr. p. 518; Gaz. vol. 133; p. 429.
- Kissel, A., Council Bluffs, Iowa. Colander. No. 888,620; May 26; Sp. p. 4608; Dr. p. 978; Gaz. vol. 134; p. 841.
- Kissell, C. C. (See Carpenter and Kissell.)
- Kissner, J. B., Baltimore, Md. Folding field-glasses. No. 894,665; July 28; Sp. p. 4762; Dr. p. 989; Gaz. vol. 135; p. 830.
- Kistler, S. L. (See Pettingill, F. B., assignor.)
- Kitchell, J. F., Newark, N. J., assignor to R. Neumann Hardware Co. Bag-frame. No. 884,593; Apr. 14; Sp. p. 1879; Dr. pp. 402-3; Gaz. vol. 133; p. 1521.
- Kitchen, J. M. W., East Orange, N. J. Heating system. No. 880,542; Mar. 3; Sp. p. 90; Dr. p. 21; Gaz. vol. 133; p. 20.
- Kitchen, J. M. W., East Orange, N. J. Sectional radiator. No. 883,808; Apr. 7; Sp. p. 264; Dr. p. 49; Gaz. vol. 133; p. 1235.
- Kitchen, J. M. W., East Orange, N. J. Power-generating system. No. 883,809; Apr. 7; Sp. p. 267; Dr. p. 49; Gaz. vol. 133; p. 1236.
- Kitchen, W. M., Havana, Fla. Car-replacer. No. 898,226; Sept. 8; Sp. p. 2029; Dr. p. 430; Gaz. vol. 136; p. 350.
- Kitchin, J., New Glasgow, Nova Scotia, Canada. Heat-retaining cover. No. 908,107; Dec. 29; Sp. p. 5934; Gaz. vol. 137; p. 2078.
- Kitsee, I. (See Nacke, A., assignor.)
- Kitsee, I., Philadelphia, Pa. Electric switch or cut-out. No. 876,809; Jan. 14; Sp. p. 2266; Dr. p. 499; Gaz. vol. 132; p. 403.
- Kitsee, I., Philadelphia, Pa. Phonography. No. 877,845; Jan. 28; Sp. p. 4382; Dr. p. 953; Gaz. vol. 132; p. 804.
- Kitsee, I., Philadelphia, Pa. Electric transmission of intelligence. No. 879,651; Feb. 18; Sp. p. 3629; Dr. p. 758; Gaz. vol. 132; p. 1496.
- Kitsee, I., Philadelphia, Pa. Manufacture of glue. No. 883,722; Apr. 7; Sp. p. 89; Dr. p. 14; Gaz. vol. 133; p. 1207.
- Kitsee, I., Philadelphia, Pa. Electric transmission of intelligence. No. 883,723; Apr. 7; Sp. p. 90; Dr. p. 15; Gaz. vol. 133; p. 1207.
- Kitsee, I., Philadelphia, Pa. Electric transmission of intelligence. No. 883,724; Apr. 7; Sp. p. 91; Dr. p. 15; Gaz. vol. 133; p. 1207.
- Kitsee, I., Philadelphia, Pa. Registering telephone-calls. No. 886,220; Apr. 28; Sp. p. 5225; Dr. p. 1100; Gaz. vol. 133; p. 2110.
- Kitsee, I., Philadelphia, Pa. Cable telegraphy. No. 888,096; May 19; Sp. p. 3557; Dr. p. 745; Gaz. vol. 134; p. 637.
- Kitsee, I., Philadelphia, Pa. Cigar. No. 888,508; May 26; Sp. p. 4363; Dr. p. 925; Gaz. vol. 134; p. 800.
- Kitsee, I., Philadelphia, Pa. Cable telegraphic system. No. 888,509; May 26; Sp. p. 4364; Dr. p. 925; Gaz. vol. 134; p. 800.
- Kitsee, I., Philadelphia, Pa. Telegraphy. No. 889,789; June 2; Sp. p. 1165; Dr. p. 270; Gaz. vol. 134; p. 1248.
- Kitsee, I., Philadelphia, Pa. Telegraphy. No. 889,790; June 2; Sp. p. 1167; Dr. p. 270; Gaz. vol. 134; p. 1248.
- Kitsee, I., Philadelphia, Pa. Wireless telegraphy. No. 889,791; June 2; Sp. p. 1169; Dr. p. 270; Gaz. vol. 134; p. 1248.
- Kitsee, I., Philadelphia, Pa. Telegraphy. No. 889,792; June 2; Sp. p. 1170; Dr. p. 271; Gaz. vol. 134; p. 1249.
- Kitsee, I., Philadelphia, Pa. Printing telegraphy. No. 890,911; June 16; Sp. p. 3485; Dr. p. 764; Gaz. vol. 134; p. 1675.
- Kitsee, I., Philadelphia, Pa. Electric coil and producing same. No. 890,988; June 16; Sp. p. 3674; Dr. pp. 800-1; Gaz. vol. 134; p. 1702.
- Kitsee, I., Philadelphia, Pa. Telephony. No. 893,249; July 14; Sp. p. 1741; Dr. p. 368; Gaz. vol. 135; p. 314.
- Kitsee, I., Philadelphia, Pa. Telephony. No. 893,250; July 14; Sp. p. 1743; Dr. p. 369; Gaz. vol. 135; p. 314.
- Kitsee, I., Philadelphia, Pa. Telegraphy. No. 894,214; July 28; Sp. p. 3842; Dr. p. 796; Gaz. vol. 135; p. 682.
- Kitsee, I., Philadelphia, Pa. Extracting precious metals from ores. No. 894,215; July 28; Sp. p. 3844; Gaz. vol. 135; p. 683.
- Kitsee, I., Philadelphia, Pa. Phonography. No. 896,302; Aug. 18; Sp. p. 3030; Dr. p. 652; Gaz. vol. 135; p. 1439.
- Kitsee, I., Philadelphia, Pa. Telegraphic relay. No. 900,553; Oct. 6; Sp. p. 1039; Dr. p. 213; Gaz. vol. 136; p. 1232.
- Kitsee, I., Philadelphia, Pa. Relay. No. 900,743; Oct. 13; Sp. p. 1435; Dr. p. 292; Gaz. vol. 136; p. 1320.
- Kitsee, I., Philadelphia, Pa. Producing cellulose compounds. No. 900,744; Oct. 13; Sp. p. 1436; Gaz. vol. 136; p. 1320.
- Kitsee, I., Philadelphia, Pa. Phonography. No. 900,934; Oct. 13; Sp. p. 1845; Dr. p. 375; Gaz. vol. 136; p. 1382.
- Kitsee, I., Philadelphia, Pa. Electric battery. No. 901,012; Oct. 13; Sp. p. 1998; Dr. p. 406; Gaz. vol. 136; p. 1409.
- Kitsee, I., Philadelphia, Pa. Producing electric coils and conductors therefor. No. 901,299; Oct. 13; Sp. p. 2539; Dr. p. 522; Gaz. vol. 136; p. 1499.

Alphabetical list of patentees—Continued.

- Kitsee, I., Philadelphia, Pa. Producing phonographic records. No. 903,198; Nov. 10; Sp. p. 1330; Gaz. vol. 137; p. 248.
 Kitsee, I., Philadelphia, Pa. Phonography. No. 903,199; Nov. 10; Sp. p. 1332; Gaz. vol. 137; p. 248.
 Kitsee, I., Philadelphia, Pa. Phonography. No. 903,200; Nov. 10; Sp. p. 1333; Gaz. vol. 137; p. 248.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Cable telegraphy. No. 876,886; Jan. 14; Sp. p. 2430; Dr. p. 530; Gaz. vol. 132; p. 429.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Telegraphy. No. 878,963; Feb. 11; Sp. p. 2218; Dr. p. 464; Gaz. vol. 132; p. 1232.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Electric transmission of intelligence. No. 879,650; Feb. 18; Sp. p. 3628; Dr. p. 758; Gaz. vol. 132; p. 1496.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Telephony. No. 888,507; May 26; Sp. p. 4362; Dr. p. 925; Gaz. vol. 134; p. 800.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Telegraphy. No. 888,510; May 26; Sp. p. 4366; Dr. p. 926; Gaz. vol. 134; p. 801.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Duplexing telegraph-lines. No. 888,511; May 26; Sp. p. 4367; Dr. p. 926; Gaz. vol. 134; p. 801.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Means for producing telegraphic transmitting-tapes. No. 889,787; June 2; Sp. p. 1162; Dr. p. 269; Gaz. vol. 134; p. 1247.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Electric transmission of intelligence. No. 889,788; June 2; Sp. p. 1164; Dr. p. 269; Gaz. vol. 134; p. 1248.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Telegraphy. No. 890,661; June 16; Sp. p. 2976; Dr. p. 652; Gaz. vol. 134; p. 1594.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Receiving telegraphic and telephonic impulses simultaneously. No. 894,836; Aug. 4; Sp. p. 73; Dr. p. 15; Gaz. vol. 135; p. 912.
 Kitsee, I., assignor of one-half to W. J. Latta, Philadelphia, Pa. Electric telegraphy. No. 903,871; Nov. 17; Sp. p. 2709; Gaz. vol. 137; p. 500.
 Kitzelman, A. L., Muncie, Ind. Barb-wire-making machine. No. 899,542; Sept. 29; Sp. p. 4539; Dr. pp. 975-7; Gaz. vol. 136; p. 871.
 Kitt, G. A. (See Despain, Kitt, and Gordon.)
 Kitterman, W. B., Lynchburg, Va. Gaze for scissors. No. 876,065; Jan. 7; Sp. p. 745; Dr. p. 157; Gaz. vol. 132; p. 127.
 Kittinger, R. C. (See Richards and Kittinger.)
 Kittle, C. R. (See Hoag and Kittle.)
 Kittleson, O. O., Lee, Ill. Metal hanger-blank. No. 876,195; Jan. 7; Sp. p. 986; Dr. p. 213; Gaz. vol. 132; p. 168.
 Kitts Manufacturing Company. (See Kitts, W. A., assignor.)
 Kitts, W. A., assignor to Kitts Manufacturing Company, Oswego, N. Y. Draft-regulator for steam-boilers. No. 903,729; Nov. 10; Sp. p. 2380; Gaz. vol. 137; p. 419.
 Kitzmiller, D. G., Harrisburg, Pa. Leak-stopper for hose. No. 894,216; July 28; Sp. p. 3845; Dr. p. 796; Gaz. vol. 135; p. 683.
 Kitzsteiner, F., Grand Rapids, Mich., assignor to Quick Work Stove Company, Cleveland, Ohio. Vapor-burner. No. 878,142; Feb. 4; Sp. p. 490; Dr. p. 105; Gaz. vol. 132; p. 929.
 Kjellin, R., and E. Anderson, Buffalo, N. Y. Sash-center. No. 907,151; Dec. 22; Sp. p. 3932; Gaz. vol. 137; p. 1730.
 Kjellström, O., Stockholm, Sweden. Manufacture of concrete and like pipes. No. 887,255; May 12; Sp. p. 1830; Dr. pp. 386-7; Gaz. vol. 134; p. 327.
 Klaber, A. D. (See Klaber, E. H., assignor.)
 Klaber, A. D., London, England. Copying-machine. No. 876,561; Jan. 14; Sp. p. 1778; Dr. p. 388; Gaz. vol. 132; p. 322.
 Klaber, E. H., assignor to A. D. Klaber, London, England. Mechanically-operated musical instrument. No. 877,721; Jan. 28; Sp. p. 4158; Dr. pp. 900-1; Gaz. vol. 132; p. 764.
 Klahn, E. G. and H., Durango, Colo. Carnation-holder. No. 903,986; Nov. 17; Sp. p. 2945; Gaz. vol. 137; p. 537.
 Klahn, H. (See Klahn, E. G. and H.)
 Klapproth, H. G. A., Hanover, Germany. Speed-indicator or log for ships. No. 904,135; Nov. 17; Sp. p. 3249; Gaz. vol. 137; p. 589.
 Klassen, J. H. (See Smith and Klassen.)
 Klattenhoff, M. F., *et al.* (See Aeschlimann, A. E., assignor.)
 Klaus, C., Eureka, Ill. Bridle-bit. No. 907,816; Dec. 29; Sp. p. 5337; Gaz. vol. 137; p. 1983.
 Klausner, O., London, England, assignor to L. Schweiger and R. Meixner, Vienna, Austria-Hungary. Fastening device for hair-combs. No. 876,463; Jan. 14; Sp. p. 1573; Dr. p. 337; Gaz. vol. 132; p. 288.
 Klausmann, H. W. (See Hawekotte and Klausmann.)
 Kleber, G., *et al.* (See Wensauer, M., assignor.)
 Klee, E., *et al.* (See Joyce, M., assignor.)
 Klee, J. (See Bürker and Klee.)
 Kleese, W. W., assignor of one-half to D. B. Loy, Aurora, Mo. Reversing-lever and quadrant-bar. No. 877,202; Jan. 21; Sp. p. 3133; Dr. p. 679; Gaz. vol. 132; p. 576.
 Kleidmann, J., assignor to Chafee Manufacturing Company, New York, N. Y. Door-chain. No. 878,294; Feb. 4; Sp. p. 823; Dr. p. 164; Gaz. vol. 132; p. 981.
 Kleidmann, J., assignor to Chafee Manufacturing Company, New York, N. Y. Chain door-check. No. 890,518; June 9; Sp. p. 2652; Dr. p. 586; Gaz. vol. 134; p. 1513.
 Kleidmann, J., assignor to Auto Paper Feeder Company, New York, N. Y. Attachment for feeding-machines. No. 904,266; Nov. 17; Sp. p. 3542; Gaz. vol. 137; p. 634.
 Kleidmann, J., assignor to Auto Paper Feeder Company, New York, N. Y. Paper-feeding-machine attachment. No. 907,610; Dec. 22; Sp. p. 4881; Gaz. vol. 137; p. 1884.
 Kleidon, L. C. (See Nichols and Kleidon.)
 Klein, G., Leipzig-Lindenau, Germany. Folding-machine. No. 906,722; Dec. 15; Sp. p. 3102; Gaz. vol. 137; p. 1558.
 Klein, A. (See Gorsline and Klein.)
 Klein, A., Pittsburg, Pa. Hook-and-eye fastener. No. 890,363; June 9; Sp. p. 2370; Dr. p. 523; Gaz. vol. 134; p. 1464.
 Klein, A., Pittsburg, Pa. Fastener for furs. No. 892,852; July 7; Sp. p. 921; Dr. p. 195; Gaz. vol. 135; p. 154.
 Klein, A. B., Covington, Ky. Box. No. 896,642; Aug. 18; Sp. p. 3692; Dr. p. 793; Gaz. vol. 135; p. 1548.
 Klein, C. J., assignor to R. A. Schoenberg, New York, N. Y. Electrical apparatus. No. 891,263; June 23; Sp. p. 4202; Dr. p. 920; Gaz. vol. 134; p. 1822.
 Klein, C. J., assignor to R. A. Schoenberg, New York, N. Y. Electrical apparatus. No. 896,838; Aug. 25; Sp. p. 4132; Dr. p. 886; Gaz. vol. 135; p. 1637.
 Klein, G., Medina, N. D. Threshing-machine. No. 882,763; Mar. 24; Sp. p. 4514; Dr. p. 963; Gaz. vol. 133; p. 838.
 Klein, G. and H. D., Butternut, Wis. Combination cover and strainer. No. 887,098; May 12; Sp. p. 1524; Dr. p. 322; Gaz. vol. 134; p. 279.
 Klein, H. D. (See Klein, G. and H. D.)
 Klein, H. D., Butternut, Wis. Fish-bait. No. 881,805; Mar. 10; Sp. p. 2602; Dr. p. 559; Gaz. vol. 133; p. 464.
 Klein, I., New York, N. Y. Safety-envelop. No. 902,301; Oct. 27; Sp. p. 4661; Dr. p. 945; Gaz. vol. 136; p. 1893.
 Klein, J. (See Bennett and Klein.)
 Klein, R., Pittsburg, Pa. Garment-support. No. 889,620; June 2; Sp. p. 844; Dr. p. 192; Gaz. vol. 134; p. 1195.
 Klein, S. (See Gorsline and Klein, assignors.)
 Klein, W. B., Chicago, Ill. Filter. No. 902,971; Nov. 3; Sp. p. 874; Gaz. vol. 137; p. 146.
 Klein, W. B., Chicago, Ill. Filter-plate. No. 902,972; Nov. 3; Sp. p. 877; Gaz. vol. 137; p. 146.
 Kleinbauer, M., Chicago, Ill. Spirit-level. No. 885,762; Apr. 28; Sp. p. 4312; Dr. p. 904; Gaz. vol. 133; p. 1961.
 Kleine, J. A., Chicago, Ill. Sanitary toilet-seat. No. 888,821; May 26; Sp. p. 5038; Dr. p. 1075; Gaz. vol. 134; p. 905.
 Kleineschay, W., Elmore, Wis. Neck-yoke. No. 901,971; Oct. 27; Sp. p. 3973; Dr. p. 811; Gaz. vol. 136; p. 1788.
 Kleinhans, J. W., Alexander, N. D. Governor for steam-engines. No. 876,647; Jan. 14; Sp. p. 1993; Dr. p. 434; Gaz. vol. 132; p. 353.
 Kleinman, S., Brooklyn, N. Y. Vending-machine. No. 908,276; Dec. 29; Sp. p. 6300; Gaz. vol. 137; p. 2135.
 Kleingel, T. (See Louy, P. F., assignor.)
 Kleinschmidt, E. E., New York, N. Y. Electric signaling system. No. 905,327; Dec. 1; Sp. p. 386; Gaz. vol. 137; p. 1050.
 Kleinschmidt, E. E., assignor to G. M. Seeley, New York, N. Y. Signaling system. No. 881,005; Mar. 3; Sp. p. 1031; Dr. pp. 223-4; Gaz. vol. 133; p. 176.
 Kleinschmidt, E. E., assignor to G. M. Seeley, New York, N. Y. System for automatically stopping cars or trains. No. 882,695; Mar. 24; Sp. p. 4376; Dr. p. 931; Gaz. vol. 133; p. 817.
 Kleinschmidt, E. E., assignor to G. M. Seeley, New York, N. Y. Signaling system. No. 884,737; Apr. 14; Sp. p. 2191; Dr. pp. 464-5; Gaz. vol. 133; p. 1570.
 Kleinschmidt, E. E., assignor to G. M. Seeley, New York, N. Y. Signaling system. No. 884,738; Apr. 14; Sp. p. 2197; Dr. p. 465; Gaz. vol. 133; p. 1570.

Alphabetical list of patentees—Continued.

- Kleinschmidt, F., Bucharest, Roumania. Preserving live fish during long periods of transport or in store. No. 899,057; Sept. 22; Sp. p. 3581; Dr. p. 767; Gaz. vol. 136; p. 677.
- Klementis, M., and J. Sebastian, Chicago, Ill. Grain-heater. No. 886,518; May 5; Sp. p. 345; Dr. pp. 71-2; Gaz. vol. 134; p. 64.
- Klemm, H. A., New York, N. Y., assignor to Singer Manufacturing Company. Sewing-machine. No. 877,508; Jan. 28; Sp. p. 3709; Dr. pp. 809-10; Gaz. vol. 132; p. 696.
- Klemp, P., Düsseldorf, Germany. Turn-table. No. 898,115; Sept. 8; Sp. p. 1808; Dr. p. 384; Gaz. vol. 136; p. 315.
- Klenk, G., assignor to Clipper Plow Company, Defiance, Ohio. Metal box. (Reissue.) No. 12,775; Apr. 7; Sp. p. 1379; Dr. pp. 294-5; Gaz. vol. 133; p. 1413.
- Klenk, H., assignor of one-half to H. Krebs, Hanau, Germany. Talking-machine. No. 899,491; Sept. 22; Sp. p. 4414; Dr. pp. 947-8; Gaz. vol. 136; p. 818.
- Klepko, F. (See Suliot, M. R., assignor.)
- Klepper, S., Indianapolis, Ind. Account-register. No. 891,344; June 23; Sp. p. 1381; Dr. p. 953; Gaz. vol. 134; p. 1849.
- Klepper, H., Hofheim, in the Taunus, Germany. Cutter for metallic capsules on bottles. No. 896,303; Aug. 18; Sp. p. 3031; Dr. p. 652; Gaz. vol. 135; p. 1439.
- Kleppinger, E. P., Northampton, Pa. Cement-packer. No. 904,334; Nov. 17; Sp. p. 3703; Gaz. vol. 137; p. 658.
- Kleutgen, F., Benel, Germany. Machinery for embroidering a fabric with pile-thread sin patterns. No. 876,562; Jan. 14; Sp. p. 1783; Dr. pp. 388-90; Gaz. vol. 132; p. 323.
- Klever, A., Hannibal, Mo. Automatic fluid-pressure regulator. No. 876,066; Jan. 7; Sp. p. 745; Dr. p. 157; Gaz. vol. 132; p. 127.
- Klewe & Co. (See Kuzzer, E., assignor.)
- Klewitz, W. F., Mosinee, Wis. Loading device. No. 886,221; Apr. 28; Sp. p. 5227; Dr. p. 1101; Gaz. vol. 133; p. 2111.
- Kleymer, C., Covington, Ky. Car-fender. No. 904,965; Nov. 24; Sp. p. 5016; Gaz. vol. 137; p. 895.
- Klima, W. W., Hutchinson, Minn. Sash-fastener. No. 877,722; Jan. 28; Sp. p. 4162; Dr. p. 901; Gaz. vol. 132; p. 765.
- Klinchaw, J. P. (See Williamson and Klinchaw.)
- Kline, A. S., and P. S. Heller, Allentown, Pa. Flushing apparatus. No. 908,277; Dec. 29; Sp. p. 6302; Gaz. vol. 137; p. 2135.
- Kline, C. R., Beechwood, Pa. Radiator. No. 884,739; Apr. 14; Sp. p. 2203; Dr. p. 465; Gaz. vol. 133; p. 1571.
- Kline, F. W., North Germantown, N. Y. Toy flagstaff. No. 881,006; Mar. 3; Sp. p. 1036; Dr. p. 224; Gaz. vol. 133; p. 177.
- Kline, F. W., North Germantown, N. Y. Valve. No. 903,201; Nov. 10; Sp. p. 1334; Gaz. vol. 137; p. 249.
- Kline, G. L., Warren, Pa. Plant-support. No. 887,653; May 12; Sp. p. 2682; Dr. p. 567; Gaz. vol. 134; p. 462.
- Kline, H. L., Washington, D. C. Ticket. No. 908,010; Dec. 29; Sp. p. 5750; Gaz. vol. 137; p. 2046.
- Kline, J., Milwaukee, Wis. False bottom. No. 893,805; July 21; Sp. p. 2979; Dr. p. 610; Gaz. vol. 135; p. 527.
- Kline, J. R., Los Angeles, Cal. Pneumatic tire for vehicle-wheels. No. 892,853; July 7; Sp. p. 922; Dr. p. 195; Gaz. vol. 135; p. 154.
- Kline, J. W., Bedford, Ind. Collapsible stand. No. 902,099; Oct. 27; Sp. p. 4224; Dr. p. 856; Gaz. vol. 136; p. 1825.
- Kline, W. H., Dunbar, assignor to W. Kennedy, Bellevue, Pa. Valve. (Reissue.) No. 12,857; Sept. 22; Sp. p. 4428; Dr. pp. 950-1; Gaz. vol. 136; p. 820.
- Kling, H., Larned, Kans. Stovepipe hanger and support. No. 879,054; Feb. 11; Sp. p. 2375; Dr. p. 497; Gaz. vol. 132; p. 1260.
- Kling, P. M., Allegheny, Pa. Semiconvertible car. No. 880,541; Mar. 3; Sp. p. 89; Dr. p. 21; Gaz. vol. 133; p. 19.
- Klinge, W., assignor of one-half to J. McManus, Washington, D. C. Oyster-shucking apparatus. No. 880,222; Feb. 25; Sp. p. 4823; Dr. p. 1021; Gaz. vol. 132; p. 1717.
- Klingenberg, C., assignor to Libbey Glass Company, Toledo, Ohio. Cutting apparatus. No. 900,174; Oct. 6; Sp. p. 219; Dr. p. 45; Gaz. vol. 136; p. 1108.
- Klingensmith, C. R. (See Stark and Klingensmith.)
- Klinger, M., assignor to Waffenfabrik Mauser Aktiengesellschaft, Oberndorf-on-the-Neckar, Germany. Sighting apparatus for firearms. No. 904,880; Nov. 24; Sp. p. 4852; Gaz. vol. 137; p. 867.
- Klingensmith, A., Noble, Okla. Car-coupling. No. 882,696; Mar. 24; Sp. p. 4379; Dr. p. 932; Gaz. vol. 133; p. 818.
- Klingloff, A. R., Boston, Mass. Valve for hydraulic elevators. No. 904,136; Nov. 17; Sp. p. 3251; Gaz. vol. 137; p. 590.
- Klingman, D. L., et al. (See Siemens, J., assignor.)
- Klink, W., Hamburg, assignor to H. Hegeler, Oldenburg, Germany. Piano-violin. No. 900,021; Sept. 29; Sp. p. 5557; Dr. p. 1183; Gaz. vol. 136; p. 1027.
- Klinkhammer, J., Hopkins, Minn. Spacing device for railway-tracks. No. 886,134; Apr. 28; Sp. p. 5085; Dr. p. 1067; Gaz. vol. 133; p. 2083.
- Klinsman, H. J., Rochester, Minn. Journal-box for railway-cars. No. 877,780; Jan. 28; Sp. p. 4266; Dr. p. 926; Gaz. vol. 132; p. 783.
- Klitsche, A. (See Baumbach and Klitsche.)
- Klitzing, P. von. (See Mehlhorn and Klitzing.)
- Kloes, F. J. (See Joseph, C., assignor.)
- Klopf, F. B., New York, N. Y., assignor to Universal Safety Car Controller Co. Contact device. No. 903,987; Nov. 17; Sp. p. 2945; Gaz. vol. 137; p. 538.
- Klos, M., Dyer, Ind. Device for delivering mail-bags from moving trains. No. 898,227; Sept. 8; Sp. p. 2030; Dr. p. 430; Gaz. vol. 136; p. 350.
- Klosinski, F., St. Louis, Mo. Can lock and cover. No. 893,329; July 14; Sp. p. 1891; Dr. p. 396; Gaz. vol. 135; p. 340.
- Kloss, H. (See Huebner and Kloss.)
- Klotz & Co., H. and G. (See Utard and Gimonet, assignors.)
- Klotz, E. W., Toronto, Ontario, Canada. Display-stand. No. 887,401; May 12; Sp. p. 2198; Dr. p. 459; Gaz. vol. 134; p. 379.
- Klotzbach, A., Cleveland, Ohio. Ball-caster. No. 899,013; Sept. 15; Sp. p. 3504; Dr. p. 750; Gaz. vol. 136; p. 636.
- Klousnitzer, F., Herman, Pa. Agricultural implement. No. 881,080; Mar. 3; Sp. p. 1173; Dr. p. 253; Gaz. vol. 133; p. 200.
- Klousnitzer, F., Herman, Pa. Metallic tie and rail-fastener. No. 889,621; June 2; Sp. p. 845; Dr. p. 192; Gaz. vol. 134; p. 1195.
- Klousnitzer, F., Herman, assignor of one-eighth to V. Krainbucher, Butler, Pa. Attachment for firearms. No. 880,310; Feb. 25; Sp. p. 4989; Dr. p. 1053; Gaz. vol. 132; p. 1746.
- Kluge, V. M., Syracuse, N. Y. Burglar-alarm. No. 881,007; Mar. 3; Sp. p. 1037; Dr. p. 224; Gaz. vol. 133; p. 177.
- Klugh, P. B., assignor to Cable Company, Chicago, Ill. Controlling device for musical-instrument mechanisms. No. 893,736; July 21; Sp. p. 2836; Dr. p. 583; Gaz. vol. 135; p. 504.
- Klugh, P. B., assignor to Cable Company, Chicago, Ill. Cover for controlling devices of mechanical musical instruments. No. 903,294; Nov. 10; Sp. p. 1516; Gaz. vol. 137; p. 279.
- Klumak, G., Vienna, Austria-Hungary. Stop-watch. No. 894,666; July 28; Sp. p. 4765; Dr. p. 989; Gaz. vol. 135; p. 831.
- Klumb, A. J., and A. W. Krahn, Milwaukee, Wis. Adding-machine. No. 876,196; Jan. 7; Sp. p. 988; Dr. p. 214; Gaz. vol. 132; p. 168.
- Knaak, G. A., Oshkosh, Wis. Kinetoscope. No. 899,543; Sept. 29; Sp. p. 4548; Dr. pp. 977-8; Gaz. vol. 136; p. 871.
- Knab, E. L., Rochester, N. Y. Hanger. No. 876,197; Jan. 7; Sp. p. 990; Dr. p. 215; Gaz. vol. 132; p. 168.
- Knabe, E. J., Jr. (See Darley, J. W., Jr., assignor.)
- Knadler, G., Cleveland, Ohio. Automobile or vehicle tire. No. 897,200; Aug. 25; Sp. p. 4888; Dr. p. 1041; Gaz. vol. 135; p. 1757.
- Knapp, A. B. (See Knapp, E. B., assignor.)
- Knapp, C. A., Sheridan, Mich. Lantern-holder. No. 896,922; Aug. 25; Sp. p. 4329; Dr. p. 927; Gaz. vol. 135; p. 1665.
- Knapp, C. H., Paterson, N. J. Bar for stretching-machines. No. 895,868; Aug. 11; Sp. p. 2190; Dr. p. 466; Gaz. vol. 135; p. 1277.
- Knapp, C. H., Paterson, N. J. Stretching-machine. No. 907,247; Dec. 22; Sp. p. 4150; Gaz. vol. 137; p. 1763.
- Knapp, C. H., Chicago, Ill. Combined hay rake and elevator. No. 900,287; Oct. 6; Sp. p. 464; Dr. pp. 95-6; Gaz. vol. 136; p. 1145.
- Knapp, C. H., Chicago, Ill. Conveyor. No. 900,554; Oct. 6; Sp. p. 1042; Dr. p. 213; Gaz. vol. 136; p. 1232.
- Knapp, C. W., Brooklyn, assignor to N. H. Casperfeld, New York, N. Y. Fountain-pen. No. 894,567; July 28; Sp. p. 4768; Dr. p. 990; Gaz. vol. 135; p. 831.
- Knapp, D. R. (See Cade and Knapp.)
- Knapp, D. R., Philadelphia, and H. E. Cade, Pencoyd, Pa. Electric-current regulator. No. 903,580; Nov. 10; Sp. p. 2096; Gaz. vol. 137; p. 374.
- Knapp, E. B., assignor to A. B. Knapp, Yuma, Ariz. Ter. Fastener for winker-fork stays. No. 896,215; Aug. 18; Sp. p. 2845; Dr. p. 613; Gaz. vol. 135; p. 1411.
- Knapp, E. H., Goddard, Ky. Steam-engine. No. 889,622; June 2; Sp. p. 846; Dr. pp. 192-3; Gaz. vol. 134; p. 1196.
- Knapp, F. H., and C. W. Blackstone, assignors to Fred H. Knapp Company, Chicago, Ill. Labeling-machine. No. 894,891; Aug. 4; Sp. p. 190; Dr. pp. 41-3; Gaz. vol. 135; p. 930.
- Knapp, G. W., Baltimore, Md., assignor to National Enameling and Stamping Company. Drainer for kitchen-sinks. No. 900,684; Oct. 6; Sp. p. 1323; Dr. p. 270; Gaz. vol. 136; p. 1276.
- Knapp, H. H., Franklin, Ky. File and index. No. 884,823; Apr. 14; Sp. p. 2371; Dr. p. 499; Gaz. vol. 133; p. 1599.
- Knapp, J. J., Washington, D. C. Safety-lock for breech-blocks. No. 879,652; Feb. 18; Sp. p. 3630; Dr. p. 759; Gaz. vol. 132; p. 1496.
- Knapp, J. P., New York, N. Y., assignor to American Lithographic Company. Multicolor-printing. No. 896,733; Aug. 25; Sp. p. 3878; Gaz. vol. 135; p. 1599.
- Knapp, M., Dayton, N. Y. Thread and sewing-silk regulator for sewing-machines. No. 899,451; Sept. 22; Sp. p. 4338; Dr. p. 932; Gaz. vol. 136; p. 804.
- Knapp, T. L., Woodstock, Ill. Vehicle brake-shoe. No. 890,774; June 16; Sp. p. 3227; Dr. p. 705; Gaz. vol. 134; p. 1632.

Alphabetical list of patentees—Continued.

- Knapp, T. L., Woodstock, assignor to Oliver Typewriter Company, Chicago, Ill. Paper-guide for carriages of type-writing machines. No. 903,482; Nov. 10; Sp. p. 1893; Gaz. vol. 137; p. 342.
- Knapp, T. L., Woodstock, assignor to Oliver Typewriter Company, Chicago, Ill. Ribbon mechanism for type-writing machines. No. 903,823; Nov. 10; Sp. p. 2581; Gaz. vol. 137; p. 451.
- Knapp, T. L., Woodstock, assignor to Oliver Typewriter Company, Chicago, Ill. Auxiliary support for type-writer shift-frames. No. 904,207; Nov. 17; Sp. p. 3413; Gaz. vol. 137; p. 614.
- Knapp, T. L., Woodstock, assignor to Oliver Typewriter Company, Chicago, Ill. Type-writing machine. No. 904,208; Nov. 17; Sp. p. 3417; Gaz. vol. 137; p. 615.
- Knapp, T. L., Woodstock, assignor to Oliver Typewriter Company, Chicago, Ill. Shift mechanism for type-writers. No. 906,497; Dec. 8; Sp. p. 2679; Gaz. vol. 137; p. 1462.
- Knapp, W. E., Norton, Kans. Chin-tug. No. 883,963; Apr. 7; Sp. p. 600; Dr. p. 119; Gaz. vol. 133; p. 1287.
- Knapp, W. L. (See North, Knapp, and Bierbaum.)
- Knapp, W. L., *et al.* (See Putney, A. N., assignor.)
- Knapp, W. L., Marietta, Ohio. Inhaler. No. 906,435; Dec. 8; Sp. p. 2570; Gaz. vol. 137; p. 1441.
- Knappenberger, A., Siegfried, Pa. Dust separating and collecting apparatus. No. 878,640; Feb. 11; Sp. p. 1611; Dr. p. 328; Gaz. vol. 132; p. 1129.
- Knauber, A. M., Chicago, Ill. Portable display case and binder. No. 903,988; Nov. 17; Sp. p. 2947; Gaz. vol. 137; p. 538.
- Knauss, S. (See Schlösser and Knauss.)
- Knaust, H. E., St. Louis, Mo. Box-lid. No. 903,581; Nov. 10; Sp. p. 2109; Gaz. vol. 137; p. 374.
- Knaustson, K. E., *et al.* (See Faust and Brolin, assignors.) (Reissue.)
- Kneale, W. C., Indianapolis, Ind. Molding-machine. No. 905,328; Dec. 1; Sp. p. 389; Gaz. vol. 137; p. 1050.
- Kneass, S. L., assignor to William Sellers and Company, Incorporated, Philadelphia, Pa. Injector. No. 906,723; Dec. 15; Sp. p. 3105; Gaz. vol. 137; p. 1559.
- Knecht Planer Company. (See De Leeuw, A. L., assignor.)
- Knecht, S., Petoskey, Mich. Attachment for ice-plows. No. 889,623; June 2; Sp. p. 850; Dr. p. 194; Gaz. vol. 134; p. 1196.
- Knell, G. (See Eggers, F., assignor.)
- Knepper, J. F. (See Taylor, F. E., assignor.)
- Knickerbocker, B. D., Chicago, Ill. Fountain bath-sponge. No. 895,472; Aug. 11; Sp. p. 1406; Dr. p. 295; Gaz. vol. 135; p. 1149.
- Knickerbocker, J. B., assignor of one-half to T. A. Conlee, Indianapolis, Ind. Internal-combustion engine. No. 886,519; May 5; Sp. p. 348; Dr. p. 72; Gaz. vol. 134; p. 64.
- Knickerbocker, J. H., Logansport, Ind. Wire-fence fastener. No. 900,175; Oct. 6; Sp. p. 221; Dr. p. 45; Gaz. vol. 136; p. 1108.
- Kniffen, L., Chicago, Ill. Loading apparatus for wagons and the like. No. 886,705; May 5; Sp. p. 746; Dr. pp. 153-4; Gaz. vol. 134; p. 126.
- Kniffen, L., Chicago, Ill. Manure fork or carrier. No. 893,251; July 14; Sp. p. 1745; Dr. p. 369; Gaz. vol. 135; p. 315.
- Kniffen, L., Chicago, Ill. Loading or ditching apparatus. No. 894,016; July 21; Sp. p. 3414; Dr. p. 699; Gaz. vol. 135; p. 596.
- Kniffen, L., Chicago, Ill. Loading apparatus for wagons and the like. No. 894,331; July 28; Sp. p. 4096; Dr. p. 846; Gaz. vol. 135; p. 721.
- Knight, A. F., Schenectady, N. Y., assignor to General Electric Company. Motor-cooling device. No. 876,973; Jan. 21; Sp. p. 2643; Dr. p. 574; Gaz. vol. 132; p. 498.
- Knight, C. D., Schenectady, N. Y., assignor to General Electric Company. Rheostat. No. 882,569; Mar. 24; Sp. p. 4130; Dr. p. 876; Gaz. vol. 133; p. 774.
- Knight, C. E., Shelbyville, Ill. Sectional hog and poultry crate. No. 882,893; Mar. 24; Sp. p. 4780; Dr. p. 1017; Gaz. vol. 133; p. 879.
- Knight, E. M., San Francisco, Cal. Filter. No. 890,989; June 16; Sp. p. 3676; Dr. pp. 801-2; Gaz. vol. 134; p. 1702.
- Knight, E. W. (See Knight, O. E. and E. W.)
- Knight, F. P. H., Keokuk, Iowa, assignor to Electric Service Supplies Company, Camden, N. J. Lightning-arrester. No. 897,906; Sept. 8; Sp. p. 1366; Dr. p. 293; Gaz. vol. 136; p. 248.
- Knight, G. H., Evanston, Ill. Ventilating window-screen. No. 906,142; Dec. 8; Sp. p. 2017; Gaz. vol. 137; p. 1345.
- Knight, G. W., assignor to Pittsburgh Filter Manufacturing Co., Pittsburg, Pa. Mechanism for operating indicators for hydraulic valves. No. 881,412; Mar. 10; Sp. p. 1836; Dr. p. 398; Gaz. vol. 133; p. 336.
- Knight, G. W., assignor to Pittsburgh Filter Manufacturing Co., Pittsburg, Pa. Concrete manifold system. No. 891,998; June 30; Sp. p. 5732; Dr. p. 1233; Gaz. vol. 134; p. 2097.
- Knight, H. L., Cleveland, Ohio, assignor, by mesne assignments, to Century Telephone Construction Company, Buffalo, N. Y. Telephone hook-switch. No. 885,348; Apr. 21; Sp. p. 3473; Dr. p. 723; Gaz. vol. 133; p. 1801.
- Knight, J. H., Westtown, Pa. Coin-card. No. 889,377; June 2; Sp. p. 375; Dr. p. 87; Gaz. vol. 134; p. 1117.
- Knight, J. L., assignor to A. U. Morse, Kansas City, Mo. Hand-operating eyeletting-machine. No. 900,935; Oct. 13; Sp. p. 1846; Dr. p. 376; Gaz. vol. 136; p. 1383.
- Knight, J. M., Baltimore, Md. Faucet. No. 877,650; Jan. 28; Sp. p. 4028; Dr. p. 870; Gaz. vol. 132; p. 743.
- Knight & Jillion Company. (See Holden, C. L., assignor.)
- Knight, O. E. and E. W., Burnsville, W. Va. Window-sash. No. 889,378; June 2; Sp. p. 377; Dr. p. 87; Gaz. vol. 134; p. 1118.
- Knight, T., Atlanta, Ga. Rat-trap. No. 895,473; Aug. 11; Sp. p. 1408; Dr. p. 295; Gaz. vol. 135; p. 1156.
- Knight, T. E. (See Long, Knight and Judd.)
- Knight, W. B., assignor to W. B. Knight Machinery Company, St. Louis, Mo. Work-support for milling and drilling machines. No. 895,093; Aug. 4; Sp. p. 633; Dr. pp. 131-2; Gaz. vol. 135; p. 1000.
- Knight, W. W. (See Poles and Knight.)
- Knights, W. R., Minneapolis, Minn. Hot-air register. No. 884,023; Apr. 7; Sp. p. 718; Dr. p. 146; Gaz. vol. 133; p. 1307.
- Knipe, W. A., Ward Hill, Mass. Cementing-machine. No. 882,251; Mar. 17; Sp. p. 3529; Dr. p. 748; Gaz. vol. 133; p. 637.
- Knipp, C. T., Urbana, Ill. Device for the purification of metals. No. 891,264; June 23; Sp. p. 4206; Dr. p. 920; Gaz. vol. 134; p. 1822.
- Knipp, C. T., Urbana, Ill. Purification of metals. No. 891,265; June 23; Sp. p. 4208; Dr. p. 920; Gaz. vol. 134; p. 1823.
- Knips, E., assignor of one-half to J. Pye, Minneapolis, Minn. Cleaner for sieves. No. 888,445; May 19; Sp. p. 4240; Dr. p. 898; Gaz. vol. 134; p. 751.
- Knisely, C. T. (See Shean, T. P., assignor.)
- Knisely, D. O., Topeka, Kans. Veterinary float. No. 875,824; Jan. 7; Sp. p. 276; Dr. p. 60; Gaz. vol. 132; p. 51.
- Knisely, S. W., Bartlesville, Okla. Crayon-trough. No. 902,743; Nov. 3; Sp. p. 417; Gaz. vol. 137; p. 72.
- Knisley, S., Phillipsburg, Kans. Concrete-mixer. No. 891,345; June 23; Sp. p. 4383; Dr. p. 954; Gaz. vol. 134; p. 1849.
- Knittel, B., Dresden, Germany. Hair-fabric loom. No. 883,810; Apr. 7; Sp. p. 274; Dr. p. 50; Gaz. vol. 133; p. 1236.
- Knittel, G., Chicago, Ill. Candle-holder. No. 887,099; May 12; Sp. p. 1525; Dr. p. 322; Gaz. vol. 134; p. 279.
- Knobloch, J., assignor, by mesne assignments, to F. Sigel, New York, N. Y. Secondary battery. No. 893,330; July 14; Sp. p. 1893; Dr. p. 396; Gaz. vol. 135; p. 341.
- Knobloch, W. H., and J. M. Burget, Pittsburg, Pa.; said Burget assignor to said Knobloch. Hook and eye. No. 878,464; Feb. 4; Sp. p. 1142; Dr. p. 234; Gaz. vol. 132; p. 1036.
- Knoch, O., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Chain rammer for guns. No. 904,966; Nov. 24; Sp. p. 5018; Gaz. vol. 137; p. 895.
- Knock, G., Cleveland, Ohio. Filter. No. 892,739; July 7; Sp. p. 686; Dr. pp. 144-5; Gaz. vol. 135; p. 118.
- Knoder, W. E., Ely, Nev. Card-holder. No. 891,840; June 30; Sp. p. 5419; Dr. p. 1171; Gaz. vol. 134; p. 2045.
- Knoepfel, J. C., Belmont, N. Y. Furnace. No. 875,825; Jan. 7; Sp. p. 277; Dr. pp. 60-1; Gaz. vol. 132; p. 52.
- Knoerzer, O., Hammond, Ind. Service-pole. No. 907,817; Dec. 29; Sp. p. 5339; Gaz. vol. 137; p. 1983.
- Knoevenagel, E., Heidelberg, and H. Lebach, assignors to Firm of Knoll and Company, Ludwigshafen-on-the-Rhine, Germany. Cellulose derivative. No. 891,218; June 16; Sp. p. 4100; Gaz. vol. 134; p. 1775.
- Knoll, A. V., Davenport, Iowa. Drainage-valve. No. 882,784; Mar. 24; Sp. p. 4546; Dr. p. 970; Gaz. vol. 133; p. 844.
- Knoll and Company, Firm of. (See Knoevenagel and Lebach, assignors.)
- Knoll, J. H., Reading, Pa. Bearing for washing-machines. No. 905,711; Dec. 1; Sp. p. 1181; Gaz. vol. 137; p. 1175.
- Knoll, W. J., assignor to H. B. Rouse & Company, Chicago, Ill. Printing-plate holder. No. 894,446; July 28; Sp. p. 4337; Dr. p. 894; Gaz. vol. 135; p. 760.
- Knoll, W. J., assignor to H. B. Rouse & Company, Chicago, Ill. Printing-plate holder. No. 894,447; July 28; Sp. p. 4340; Dr. p. 894; Gaz. vol. 135; p. 760.
- Knoop, E. G., Columbus, Ohio. Scarf-pin. No. 878,885; Feb. 11; Sp. p. 2071; Dr. p. 430; Gaz. vol. 132; p. 12C8.
- Knoop, O. A., Oakland, Cal. Wattmeter-testing apparatus. No. 886,135; Apr. 28; Sp. p. 5085; Dr. p. 1067; Gaz. vol. 133; p. 2084.
- Knott, F., *et al.* (See Clarke, E. J., assignor.)
- Knott, J. T., Fort Wayne, Ind., assignor to Knott Van Arnam Manufacturing Company. Water-closet seat. No. 908,011; Dec. 29; Sp. p. 5752; Gaz. vol. 137; p. 2046.
- Knott, L. E., assignor to L. E. Knott Apparatus Company, Boston, Mass. Physical laboratory apparatus. No. 885,763; Apr. 28; Sp. p. 4313; Dr. p. 904; Gaz. vol. 133; p. 1961.
- Knott, L. E., assignor to L. E. Knott Apparatus Company, Boston, Mass. Galvanometer. No. 901,013; Oct. 13; Sp. p. 1999; Dr. p. 406; Gaz. vol. 136; p. 1409.

Alphabetical list of patentees—Continued.

- Knott, L. E., assignor to L. E. Knott Apparatus Company, Boston, Mass. Jet-photometer. No. 907,057; Dec. 15; Sp. p. 3726; Gaz. vol. 137; p. 1664.
- Knott Van Arnam Manufacturing Company. (See Knott, J. T., assignor.)
- Knouse, A. J., Benton, Pa. Rail-brace. No. 893,928; July 21; Sp. p. 3225; Dr. p. 665; Gaz. vol. 135; p. 567.
- Knowles, C. A., Friend, Oreg. Saw-sawage. No. 876,198; Jan. 7; Sp. p. 992; Dr. p. 215; Gaz. vol. 132; p. 169.
- Knowles, C. H., Fairfield, Me. Window-screen. No. 875,826; Jan. 7; Sp. p. 280; Dr. p. 61; Gaz. vol. 132; p. 52.
- Knowles, C. S. (See Pierce, E. L., assignor.)
- Knowles, G. S., assignor of forty-nine one-hundredths to D. M. Rush, Buffalo, Mo. Telephone cut-off or muffler. No. 888,822; May 26; Sp. p. 5039; Dr. p. 1075; Gaz. vol. 134; p. 905.
- Knowles, J., Denver, Colo. Rotary engine. No. 883,894; Apr. 7; Sp. p. 451; Dr. p. 89; Gaz. vol. 133; p. 1263.
- Knowles, L. T., Minneapolis, Minn. Jointed wheel-tread. No. 887,100; May 12; Sp. p. 1526; Dr. p. 322; Gaz. vol. 134; p. 280.
- Knowles, W. H. (See Chapman and Knowles.)
- Knowlton, A. D., *et al.*, administrators. (See Knowlton, M. D.)
- Knowlton, D., Washington, D. C. Jar-closure. No. 890,068; June 9; Sp. p. 1752; Dr. p. 388; Gaz. vol. 134; p. 1368.
- Knowlton, F. K., *et al.*, administrators. (See Knowlton, M. D.)
- Knowlton, M. D., deceased; A. D. and F. K. Knowlton, administrators, Rochester, N. Y. Box-covering machine. No. 885,260; Apr. 21; Sp. p. 3278; Dr. p. 685; Gaz. vol. 133; p. 1771.
- Knox, A., Alpena, S. D. Apparatus for cooling cylinders of gas-engines. No. 888,909; May 26; Sp. p. 5232; Dr. p. 1109; Gaz. vol. 134; p. 936.
- Knox, A. H., Alpena, S. D. Pitchfork. No. 883,545; Mar. 31; Sp. p. 6133; Dr. p. 1303; Gaz. vol. 133; p. 1123.
- Knox, D. S., Denver, Colo. Signal attachment for linotype-machines. No. 884,934; Apr. 14; Sp. p. 2587; Dr. pp. 545-6; Gaz. vol. 133; p. 1632.
- Knox, F. J. (See King, H. B., assignor.)
- Knox, H., Washington, Pa. Wagon-body. No. 879,653; Feb. 18; Sp. p. 3632; Dr. p. 759; Gaz. vol. 132; p. 1497.
- Knox, H. A., Springfield, Mass. Piston. No. 876,974; Jan. 21; Sp. p. 2644; Dr. p. 574; Gaz. vol. 132; p. 499.
- Knox, H. A., Springfield, Mass. Suspension device for motor-frames. No. 883,113; Mar. 24; Sp. p. 5200; Dr. pp. 1111-12; Gaz. vol. 133; p. 953.
- Knox, H. A., Springfield, Mass. Vehicle-tire. No. 888,823; May 26; Sp. p. 5040; Dr. pp. 1075-6; Gaz. vol. 134; p. 906.
- Knox, J. A., Rensselaer, N. Y. Tool for cleaning oil-cups. No. 903,582; Nov. 10; Sp. p. 2110; Gaz. vol. 137; p. 374.
- Knox, O. M., Oneida, N. Y. Hop-pole. No. 881,592; Mar. 10; Sp. p. 2183; Dr. p. 476; Gaz. vol. 133; p. 397.
- Knox, O. M., Oneida, N. Y. Training-string connector. No. 881,593; Mar. 10; Sp. p. 2185; Dr. p. 476; Gaz. vol. 133; p. 398.
- Knox, S. L. G., Milwaukee, assignor to Bucyrus Company, South Milwaukee, Wis. Dredge-bucket. No. 877,345; Jan. 21; Sp. p. 3407; Dr. p. 739; Gaz. vol. 132; p. 622.
- Knover, W. A., Masontown, assignor to Pittsburg Coal Washer Company, Pittsburg, Pa. Coal-washing apparatus. No. 906,239; Dec. 8; Sp. p. 2214; Gaz. vol. 137; p. 1379.
- Knudsen, A. M., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone desk-stand. No. 884,500; Apr. 14; Sp. p. 1684; Dr. pp. 362-3; Gaz. vol. 133; p. 1490.
- Knudsen, C. A. (See Mitchell and Knudsen.)
- Knudsen, H., Minneapolis, Minn. Fireman's mask. No. 908,108; Dec. 29; Sp. p. 5935; Gaz. vol. 137; p. 2078.
- Knudsen, I. P. B., Copenhagen, Denmark. Guiding device for suspended separator-drums. No. 880,383; Feb. 25; Sp. p. 5127; Dr. p. 1083; Gaz. vol. 132; p. 1769.
- Knudsen, I. P. B., Copenhagen, Denmark. Means for lubricating rapidly-revolving vertical shafts. No. 888,824; May 26; Sp. p. 5042; Dr. p. 1076; Gaz. vol. 134; p. 906.
- Knudsen, J., Berlin, Germany. Tunneling under streets, roads, squares, tracks, and the like. No. 902,973; Nov. 3; Sp. p. 878; Gaz. vol. 137; p. 147.
- Knudson, J., Des Moines, Iowa. Miter-box. No. 877,651; Jan. 28; Sp. p. 4029; Dr. p. 870; Gaz. vol. 132; p. 743.
- Knuppel, J., assignor of one-third to J. H. Reiter, New York, N. Y. Stevedore-rig. No. 900,685; Oct. 6; Sp. p. 1324; Dr. p. 270; Gaz. vol. 136; p. 1276.
- Knut, S. P., Washington, D. C. Truck. No. 881,008; Mar. 3; Sp. p. 1039; Dr. p. 225; Gaz. vol. 133; p. 177.
- Knuth, P., St. Joseph, Mich. Guard for the knives of machines. No. 882,252; Mar. 17; Sp. p. 3531; Dr. p. 748; Gaz. vol. 133; p. 638.
- Knutzen, W. J., Burlington, Wash. Swinging car. No. 881,413; Mar. 10; Sp. p. 1939; Dr. p. 399; Gaz. vol. 133; p. 337.
- Koban, R., Edgewood Park, assignor to Norvell-Shapleigh Hardware Company, St. Louis, Mo. Wedge. No. 903,583; Nov. 10; Sp. p. 2110; Gaz. vol. 137; p. 375.
- Kobler, V., Rorschach, assignor to Firm of A. Saurer, Arbon, Switzerland. Shuttle embroidering-machine. No. 876,975; Jan. 21; Sp. p. 2645; Dr. pp. 574-5; Gaz. vol. 132; p. 499.
- Koch, A., Hanover-List, Germany. Smelting-furnace with oil fire. No. 876,275; Jan. 7; Sp. p. 1153; Dr. pp. 250-1; Gaz. vol. 132; p. 194.
- Koch, E., Jersey City Heights, N. J. Mouth-harmonica. No. 887,402; May 12; Sp. p. 2199; Dr. p. 459; Gaz. vol. 134; p. 379.
- Koch, E. J., Chicago, Ill. Harness-pad. No. 897,629; Sept. 1; Sp. p. 793; Dr. p. 167; Gaz. vol. 136; p. 126.
- Koch, F., St. Paul, Minn. Vehicle provided with movable rails. No. 878,807; Feb. 11; Sp. p. 1931; Dr. p. 399; Gaz. vol. 132; p. 1183.
- Koch, F., St. Paul, Minn. Load-moving apparatus. No. 882,894; Mar. 24; Sp. p. 4782; Dr. p. 1017; Gaz. vol. 133; p. 880.
- Koch, F. S., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Making electric condensers. No. 877,089; Jan. 21; Sp. p. 2882; Dr. p. 623; Gaz. vol. 132; p. 537.
- Koch, G., Lausigk, Germany. Fire-tube boiler. No. 880,672; Mar. 3; Sp. p. 365; Dr. p. 80; Gaz. vol. 133; p. 64.
- Koch, G., St. Cloud, Minn. Vehicle-spring. No. 892,595; July 7; Sp. p. 387; Dr. p. 85; Gaz. vol. 135; p. 71.
- Koch, G., New York, N. Y., assignor to Export Cork and Seal Company. Cap-closure for bottles. No. 888,621; May 26; Sp. p. 4610; Dr. p. 978; Gaz. vol. 134; p. 842.
- Koch, H. E., Hartington, Nebr. Obstetrical forceps. No. 899,222; Sept. 22; Sp. p. 3908; Dr. p. 835; Gaz. vol. 136; p. 732.
- Koch, J. S., *et al.* (See Gravelle, J., assignor.)
- Koch, J. W., Tamaqua, Pa. Combined nut-lock and antirattler. No. 878,143; Feb. 4; Sp. p. 491; Dr. p. 105; Gaz. vol. 132; p. 930.
- Koch, L. D., assignor one-half to F. R. Smith, Dewey, S. D. Cross-line buckle. No. 897,255; Aug. 25; Sp. p. 5098; Dr. p. 1063; Gaz. vol. 135; p. 1778.
- Koch, N. (See Lauber and Koch.)
- Koch, N., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Pneumatic recuperator for recoil-guns. No. 904,967; Nov. 24; Sp. p. 5019; Gaz. vol. 137; p. 895.
- Koch, O. G. J., Belvidere, Ill. String musical instrument. No. 893,632; July 21; Sp. p. 2559; Dr. p. 534; Gaz. vol. 135; p. 470.
- Koch, R., Temple, Tex. Valve. No. 908,278; Dec. 29; Sp. p. 6303; Gaz. vol. 137; p. 2136.
- Koch, W. F., Newbern, N. C. Appliance for sawmill set-works. No. 877,090; Jan. 21; Sp. p. 2884; Dr. p. 623; Gaz. vol. 132; p. 537.
- Kochenderfer, J. H., Gallion, assignor of one-half to W. E. Hughes, Clyde, Ohio. Railway-joint. No. 879,475; Feb. 18; Sp. p. 3251; Dr. p. 677; Gaz. vol. 132; p. 1438.
- Kocher, H. L., Cementon, Pa. Shears-holder. No. 904,968; Nov. 24; Sp. p. 5020; Gaz. vol. 137; p. 896.
- Koehring, P. A., Milwaukee, Wis. Concrete-mixer. No. 884,667; Apr. 14; Sp. p. 2060; Dr. p. 440; Gaz. vol. 133; p. 1545.
- Koehrs, B., St. Louis, Mo. Bottle-packing. No. 886,819; May 5; Sp. p. 988; Dr. p. 207; Gaz. vol. 134; p. 161.
- Kock, H. E., Cincinnati, Ohio. Building construction with reference to covering material. No. 888,825; May 26; Sp. p. 5043; Dr. p. 1076; Gaz. vol. 134; p. 906.
- Kodjbanoff, B. G., New York, N. Y. Phosphorescent sign. No. 899,873; Sept. 29; Sp. p. 5243; Dr. p. 1121; Gaz. vol. 136; p. 980.
- Koeb, E., Leipsic, Ohio. Automobile. No. 886,520; May 5; Sp. p. 349; Dr. pp. 72-3; Gaz. vol. 134; p. 65.
- Koehler, A. R. (See Learman, F. J., assignor.)
- Koehler, J., New York, N. Y. Filtering-laucet. No. 886,819; May 5; Sp. p. 989; Dr. p. 207; Gaz. vol. 134; p. 161.
- Koehler, M., Hohenlohehütte, Germany. Fracture apparatus for stretching parts of the human body. No. 890,069; June 9; Sp. p. 1754; Dr. p. 389; Gaz. vol. 134; p. 1368.
- Koehler, V. J., Punksutawney, Pa. Cock-controller for air-brake systems, &c. No. 907,248; Dec. 22; Sp. p. 4153; Gaz. vol. 137; p. 1764.
- Koehring, P. A., Milwaukee, Wis. Concrete-mixer. No. 899,414; Sept. 22; Sp. p. 4272; Dr. pp. 916-17; Gaz. vol. 136; p. 792.
- Koehring, P. A., Milwaukee, Wis. Concrete-mixing drum. No. 899,415; Sept. 22; Sp. p. 4273; Dr. p. 917; Gaz. vol. 136; p. 792.
- Koella, E., Rockford, Tenn., assignor to Myer Bridges Company, Louisville, Ky. Mop and brush making machine. No. 878,295; Feb. 4; Sp. p. 824; Dr. pp. 164-5; Gaz. vol. 132; p. 981.
- Koeller, R. A., Colvinpark, Ill. Harrow. No. 875,827; Jan. 7; Sp. p. 282; Dr. p. 61; Gaz. vol. 132; p. 52.
- Koen, J. R., Buffalo, N. Y. Knockdown chair. No. 891,266; June 23; Sp. p. 4210; Dr. p. 920; Gaz. vol. 134; p. 1823.
- Koenke, F. E., assignor to S. Koenke, Milwaukee, Wis. Inking-machine for type-writer ribbons. No. 900,936; Oct. 13; Sp. p. 1848; Dr. p. 376; Gaz. vol. 136; p. 1873.
- Koenke, S. (See Koenke, F. E., assignor.)
- Koenig, A. G. (See Mott and Koenig.)
- Koenig, C. (See Dippel and Koenig.)
- Koenig, C. J., Alton, Ill. Mechanism for producing hollow glassware. No. 877,091; Jan. 21; Sp. p. 2886; Dr. pp. 623-6; Gaz. vol. 132; p. 538.

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- Koenig, E. H., assignor of one-half to F. Duhue, Jr., Milwaukee, Wis. Stencil apparatus. No. 903,989; Nov. 17; Sp. p. 2950; Gaz. vol. 137 p. 538.
- Koenig, G. (See Gützlaff and Koenig.)
- Koenig, H. A., Philadelphia, Pa. Gas and air pressing-iron. No. 884,169; Apr. 7; Sp. p. 1056; Dr. p. 220; Gaz. vol. 133; p. 1355.
- Koenig, R. H., Camden, N. J., assignor to N. A. Petry, Philadelphia, Pa. Make-and-break igniter for explosive-engines. No. 881,009; Mar. 3; Sp. p. 1044; Dr. p. 226; Gaz. vol. 133; p. 178.
- Koenig, W. L., Columbus, Ohio. Trap for rinse-tubs. No. 904,539; Nov. 24; Sp. p. 4126; Gaz. vol. 137; p. 752.
- Koenigkramer, F. (See Koenigkramer, F. and F.)
- Koenigkramer, F. and F., Cincinnati, Ohio. Spraying apparatus. No. 895,768; Aug. 11; Sp. p. 1984; Dr. p. 420; Gaz. vol. 135; p. 1245.
- Koeppen, A., Buffalo, N. Y. Kitchen utensil. No. 882,151; Mar. 17; Sp. p. 3325; Dr. p. 708; Gaz. vol. 133; p. 605.
- Koerner, G. W., et al. (See Sassaman, A. H., assignor.)
- Koerner, K., Philadelphia, Pa. Abdominal supporter. No. 889,624; June 2; Sp. p. 852; Dr. p. 194; Gaz. vol. 134; p. 1197.
- Koerner, W. F., et al. (See Sassaman, A. H., assignor.)
- Koernig, A., et al. (See Roadhouse, N. F., assignor.)
- Koesche, A., Chicago, Ill. Electric pump-regulator. No. 881,247; Mar. 10; Sp. p. 1508; Dr. p. 323; Gaz. vol. 133; p. 284.
- Koester, C. F., Hoboken, N. J. Pedal-mounting. No. 899,739; Sept. 29; Sp. p. 4942; Dr. p. 1060; Gaz. vol. 136; p. 934.
- Koester, H., Hoboken, N. J., assignor of one-half to G. C. A. Mertelmeyer, Waterbury, Conn. Portable grooving, slotting, and cutting tool. No. 906,724; Dec. 15; Sp. p. 3107; Gaz. vol. 137; p. 1559.
- Koetz, F. A., San Francisco, Cal. Concrete pile-covering. No. 884,668; Apr. 14; Sp. p. 2061; Dr. p. 441; Gaz. vol. 133; p. 1546.
- Koffsky, G., New Orleans, La. Micrometer attachment for measuring-tools. No. 877,846; Jan. 28; Sp. p. 4383; Dr. p. 953; Gaz. vol. 132; p. 804.
- Koger, J. H. (See Parcels, L. H., assignor.)
- Kohagen, F. W., Marcy, Minn., assignor to Northern Spike Company. Railway-spike. No. 904,489; Nov. 17; Sp. p. 4022; Gaz. vol. 137; p. 709.
- Kohke, J., Atlanta, Ga., assignor to American Can Company, New York, N. Y. Machine for manufacturing one-piece folded sheet-metal turpentine-cups. No. 900,393; Oct. 6; Sp. p. 680; Dr. p. 139; Gaz. vol. 136; p. 1178.
- Kohke, J., Atlanta, Ga., assignor to American Can Company, New York, N. Y. Machine for manufacturing one-piece folded sheet-metal turpentine-cups. No. 900,394; Oct. 6; Sp. p. 682; Dr. p. 140; Gaz. vol. 136; p. 1179.
- Kohlberger, C. F., New York, N. Y. Fastening device for hand-bags. No. 903,202; Nov. 10; Sp. p. 1336; Gaz. vol. 137; p. 249.
- Köhler, A., and J. Lehmann, assignors to Firm of C. Zeiss, Jena, Germany. Utilizing Lippmann photographs. No. 890,863; June 16; Sp. p. 3389; Dr. p. 743; Gaz. vol. 134; p. 1660.
- Kohler, E., Alameda, Cal. Envelop. No. 900,395; Oct. 6; Sp. p. 683; Dr. p. 140; Gaz. vol. 136; p. 1179.
- Kohler, F., Canton, Ohio. Embroidery-hoop. No. 887,403; May 12; Sp. p. 2200; Dr. p. 460; Gaz. vol. 134; p. 380.
- Kohler, F. E., Canton, Ohio. Embroidery-hoop. No. 879,654; Feb. 18; Sp. p. 3634; Dr. p. 760; Gaz. vol. 132; p. 1497.
- Kohler, F. E., Canton, Ohio. Embroidery-hoop. No. 884,279; Apr. 7; Sp. p. 1241; Dr. p. 261; Gaz. vol. 133; p. 1390.
- Kohler, F. E., Canton, Ohio. Embroidery-hoop. No. 892,961; July 7; Sp. p. 1147; Dr. p. 241; Gaz. vol. 135; p. 192.
- Kohler, F. E., assignor to Reinhart Varieties Company, Canton, Ohio. Embroidery-hoop. No. 907,152; Dec. 22; Sp. p. 3933; Gaz. vol. 137; p. 1731.
- Kohler, F. W., et al. (See Dresser, C. A., assignor.)
- Kohler, G. A. E., et al. (See Dresser, C. A., assignor.)
- Kohler, G. A. E. (See Graham, G. M., assignor.)
- Köhler, H., assignor to Firm of Rütgerswerke Actiengesellschaft, Berlin, Germany. Manufacture of sulfur, &c. No. 898,378; Sept. 8; Sp. p. 2291; Gaz. vol. 136; p. 398.
- Kohler, J. F., New York, N. Y. Slicing and coring attachment for paring-machines. No. 897,109; Aug. 25; Sp. p. 4708; Dr. pp. 1003-4; Gaz. vol. 135; p. 1727.
- Kohler, J. F., New York, N. Y. Machine for making rims for soft pies. No. 903,584; Nov. 10; Sp. p. 2112; Gaz. vol. 137; p. 375.
- Kohlmann, J. D., Milwaukee, Wis. Concentrating-table. No. 885,349; Apr. 21; Sp. p. 3475; Dr. pp. 723-4; Gaz. vol. 133; p. 1801.
- Kohlmann, K., and G. Andree, Dane, Wis. Automobile-wheel. No. 891,841; June 30; Sp. p. 5420; Dr. p. 1172; Gaz. vol. 134; p. 2046.
- Kohlweyer, H. R., Pittsburg, Pa. Button. No. 890,364; June 9; Sp. p. 2372; Dr. p. 523; Gaz. vol. 134; p. 1464.
- Kohn, K., New York, N. Y., assignor to Rail Joint Company. Insulated joint for railway-rails. No. 879,878; Feb. 25; Sp. p. 4104; Dr. p. 862; Gaz. vol. 132; p. 1602.
- Kohn, M., and S. S. Sugar, New York, N. Y.; said Kohn assignor to said Sugar. Staircase. No. 903,730; Nov. 10; Sp. p. 2353; Gaz. vol. 137; p. 419.
- Kohnstamm & Company, H. (See Moore, D. P., assignor.)
- Kohnstamm, O., New York, N. Y. Bolt-anchor. No. 895,769; Aug. 11; Sp. p. 1986; Dr. p. 420; Gaz. vol. 135; p. 1246.
- Koimer, H. S., and S. Botteese, Washington, D. C. Removable support for vehicle-curtains. No. 886,222; Apr. 28; Sp. p. 5230; Dr. pp. 1101-2; Gaz. vol. 133; p. 2111.
- Koistinen, A. J., Bryant, S. D. Separator. No. 908,012; Dec. 29; Sp. p. 5753; Gaz. vol. 137; p. 2046.
- Kolb, F. S., Columbus, Ohio. Fly-iron for garments. No. 876,067; Jan. 7; Sp. p. 746; Dr. p. 158; Gaz. vol. 132; p. 127.
- Kolb, G. F., Mount Vernon, assignor to Mauser Manufacturing Co., New York, N. Y. Match-box. No. 894,837; Aug. 4; Sp. p. 74; Dr. p. 15; Gaz. vol. 135; p. 912.
- Kölbe, Robert, St. Louis, Mo. Folding buggy-top. No. 902,887; Nov. 3; Sp. p. 729; Gaz. vol. 137; p. 120.
- Kolischer, T. (See Knehl, H., assignor.)
- Kollander, J., Chicago, Ill. Curtain-stretcher. No. 877,723; Jan. 28; Sp. p. 4164; Dr. p. 902; Gaz. vol. 132; p. 765.
- Kolosiek, E. F., Washington, and J. A. Kolosiek, Ainsworth, Iowa. Animal-dipping device. No. 901,623; Oct. 20; Sp. p. 3255; Dr. p. 667; Gaz. vol. 136; p. 1643.
- Kolosick, J. A. (See Kolosiek, E. F. and J. A.)
- Kolp, G., Richmond, Ind. Dancing-chart and method of self-instruction. No. 900,105; Oct. 6; Sp. p. 64; Dr. p. 12; Gaz. vol. 136; p. 1085.
- Kolsky, A., Kansas City, Mo. Carousel. No. 894,386; July 28; Sp. p. 4205; Dr. pp. 867-8; Gaz. vol. 135; p. 739.
- Kolvoord, A., Battle Creek, Mich. Sand-hook for molding-flasks. No. 904,787; Nov. 24; Sp. p. 4646; Gaz. vol. 137; p. 835.
- Komun, G., Buckeye, Wash. Fly-trap. No. 883,318; Mar. 31; Sp. p. 5640; Dr. p. 1203; Gaz. vol. 133; p. 1050.
- Komuro, T. (See Hino and Komuro.)
- Könckow, C., and A. Krüger, Köslin, Germany. Joint for detachably connecting to one another the parts of wooden furniture and the like. No. 892,165; June 30; Sp. p. 6046; Dr. p. 1300; Gaz. vol. 134; p. 2151.
- Kone, G. W., Kansas City, Mo. Keyless padlock. No. 901,972; Oct. 27; Sp. p. 3974; Dr. p. 811; Gaz. vol. 136; p. 1788.
- Köneman, W. A., Milwaukee, Wis. Washing apparatus for reclaimed rubber. No. 895,770; Aug. 11; Sp. p. 1987; Dr. pp. 420-1; Gaz. vol. 135; p. 1246.
- Köneman, W. A., Cudahy, Wis. Drier. No. 896,025; Aug. 11; Sp. p. 2501; Dr. p. 539; Gaz. vol. 135; p. 1328.
- König, A., assignor to Firm of C. Zeiss, Jena, Germany. Telescope. No. 880,028; Feb. 25; Sp. p. 4419; Dr. p. 928; Gaz. vol. 132; p. 1653.
- König, A., assignor to Firm of C. Zeiss, Jena, Germany. Scale and level hand-telescope. No. 887,256; May 12; Sp. p. 1832; Dr. p. 387; Gaz. vol. 134; p. 328.
- König, A., assignor to Firm of C. Zeiss, Jena, Germany. Sighting instrument. No. 891,621; June 23; Sp. p. 4944; Dr. p. 1065; Gaz. vol. 134; p. 1939.
- König, A., assignor to Firm of Carl Zeiss, Jena, Germany. Double telescope. No. 908,279; Dec. 29; Sp. p. 6305; Gaz. vol. 137; p. 2136.
- König, A., and E. Dönitz, assignors to Firm of C. Zeiss, Jena, Germany. Telemeter. No. 889,625; June 2; Sp. p. 853; Dr. p. 195; Gaz. vol. 134; p. 1197.
- König, K., assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Red color-lake. No. 878,964; Feb. 11; Sp. p. 2219; Gaz. vol. 132; p. 1232.
- König, W., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dye. No. 899,171; Sept. 22; Sp. p. 3819; Gaz. vol. 136; p. 716.
- Königstein, G., San Francisco, Cal. Talking-machine needle. No. 881,594; Mar. 10; Sp. p. 2186; Dr. p. 476; Gaz. vol. 133; p. 398.
- Königstein, G., assignor to D. H. Gulick, San Francisco, Cal. Automatic needle-clamp for talking-machines. No. 893,929; July 21; Sp. p. 3226; Dr. p. 665; Gaz. vol. 135; p. 567.
- Könitzer, O., Munich, Germany. Arc-lamp. No. 879,180; Feb. 18; Sp. p. 2654; Dr. p. 553; Gaz. vol. 132; p. 1343.
- Koob, A. J., Cedar Rapids, Iowa. Conveyor for ditching-machines. No. 892,740; July 7; Sp. p. 688; Dr. p. 145; Gaz. vol. 135; p. 118.
- Kookan, A. O., Iola, Kans. Valve-gate. No. 888,826; May 26; Sp. p. 5043; Dr. p. 1076; Gaz. vol. 134; p. 906.
- Koon, A. P., Sheridan, Ark. Needle-threader. No. 886,375; May 5; Sp. p. 65; Dr. p. 13; Gaz. vol. 134; p. 16.
- Koons, J. H., Anderson, Ind. Air-shield. No. 888,097; May 19; Sp. p. 3559; Dr. pp. 745-6; Gaz. vol. 134; p. 637.
- Koons, V. C., assignor to Continental Manufacturing Company, Colorado Springs, Colo. Chicken-culture apparatus. No. 893,737; July 21; Sp. p. 2839; Dr. pp. 583-4; Gaz. vol. 135; p. 505.
- Koontz, B., Stewardson, Ill. Rail-joint. No. 896,553; Aug. 18; Sp. p. 3540; Dr. p. 760; Gaz. vol. 135; p. 1521.
- Koontz, J. M. (See Fleshman and Koontz.)
- Kopekin, A., Vienna, Austria-Hungary. Recording-clock. No. 896,119; Aug. 18; Sp. p. 2672; Dr. p. 577; Gaz. vol. 135; p. 1380.

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 Koppers, H., Essen-on-the-Ruhr, Germany. Apparatus for producing interaction between gases and liquids. No. 903,483; Nov. 10; Sp. p. 1895; Gaz. vol. 137; p. 342.
 Koppers, H., Essen-on-the-Ruhr, Germany. Horizontally-moving leveling-rod for horizontal furnaces. No. 907,818; Dec. 29; Sp. p. 5341; Gaz. vol. 137; p. 1984.
 Kopriwa, F., New York, N. Y. Valve-seat grinder. No. 886,002; Apr. 28; Sp. p. 4818; Dr. p. 1012; Gaz. vol. 133; p. 2041.
 Kops, D., New York, N. Y. Apparel-corset. No. 887,656; May 12; Sp. p. 2688; Dr. p. 568; Gaz. vol. 134; p. 462.
 Kops, D., New York, N. Y. Apparel-corset. No. 898,749; Sept. 15; Sp. p. 3021; Dr. p. 647; Gaz. vol. 136; p. 549.
 Kops, D., New York, N. Y. Apparel-corset. No. 898,750; Sept. 15; Sp. p. 3024; Dr. p. 648; Gaz. vol. 136; p. 550.
 Kops, S., New York, N. Y. Elastic webbing. No. 887,654; May 12; Sp. p. 2683; Dr. p. 567; Gaz. vol. 134; p. 462.
 Kops, S., New York, N. Y. Clasp for garment-supporters. No. 887,655; May 12; Sp. p. 2685; Dr. p. 568; Gaz. vol. 134; p. 462.
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 Kops, S., New York, N. Y. Abdominal strap for apparel-corsets. No. 892,742; July 7; Sp. p. 691; Dr. p. 145; Gaz. vol. 135; p. 119.
 Korb, F. W., and W. F. Hieber, assignors to United States Dental Manufacturing Company, Cleveland, Ohio. Dental vulcanizer. No. 886,300; Apr. 28; Sp. p. 5388; Dr. p. 1132; Gaz. vol. 133; p. 2139.
 Koretz, A., Memphis, Tenn. Curtain and shade holder. No. 902,744; Nov. 3; Sp. p. 418; Gaz. vol. 137; p. 72.
 Korff, F., Lansing, Mich. Sleigh-runner attachment for vehicles. No. 900,937; Oct. 13; Sp. p. 1852; Dr. p. 377; Gaz. vol. 136; p. 1383.
 Korhonen, K. H., Detroit, Mich. Rotary engine. No. 891,346; June 23; Sp. p. 4385; Dr. p. 954; Gaz. vol. 134; p. 1850.
 Korinek, G., Detroit, Mich. Holder for emery, oilstone, and other abrading materials. No. 900,938; Oct. 13; Sp. p. 1853; Dr. p. 377; Gaz. vol. 136; p. 1384.
 Kornil, A., and F. Radloff, Goldendale, Wash. Wheel-fork. No. 880,543; Mar. 3; Sp. p. 95; Dr. pp. 21-2; Gaz. vol. 133; p. 20.
 Korn, A., Munich, Germany. Means for measuring the degree of exposure of a selenium-cell. No. 884,501; Apr. 14; Sp. p. 1688; Dr. p. 363; Gaz. vol. 133; p. 1491.
 Korn, A., Munich, Germany. Automatic phototelegraph. No. 888,098; May 19; Sp. p. 3560; Dr. pp. 746-7; Gaz. vol. 134; p. 637.
 Korndorfer, F., Brooklyn, N. Y. Fly-catcher. No. 906,897; Dec. 15; Sp. p. 3447; Gaz. vol. 137; p. 1614.
 Kornhauser, R. D. (See Bruzand, C. N., assignor.)
 Kornicker, F. (See Bültzingslöwen, B. von, assignor.)
 Kornik, I. J., Memphis, Tenn. Sample-holder. No. 886,521; May 5; Sp. p. 356; Dr. p. 74; Gaz. vol. 134; p. 65.
 Korpi, J. O., Soudan, Minn. Combination-tool. No. 897,293; Sept. 1; Sp. p. 49; Dr. p. 12; Gaz. vol. 136; p. 11.
 Korsmeier, W. (See Cotton, J. W., assignor.)
 Kortas, B., assignor to J. Sundby, Chicago, Ill. Road-sprinkling apparatus. No. 896,643; Aug. 18; Sp. p. 3693; Dr. pp. 793-4; Gaz. vol. 135; p. 1543.
 Korten, H., assignor to F. Y. Nichols, Chicago, Ill. Water-purifier. No. 901,352; Oct. 20; Sp. p. 2663; Dr. p. 546; Gaz. vol. 136; p. 1553.
 Kortick, J. C., and G. H. Eberhard, San Francisco, Cal. Pipe-hanger. No. 906,806; Dec. 15; Sp. p. 3263; Gaz. vol. 137; p. 1585.
 Körting, R., Linden, near Hanover, and J. Kritzier, Kiel, Germany. Explosion petroleum-engine. No. 904,267; Nov. 17; Sp. p. 3545; Gaz. vol. 137; p. 634.
 Körting, W., Barmen, Germany. Braiding-machine. No. 881,475; Mar. 10; Sp. p. 1966; Dr. pp. 427-8; Gaz. vol. 133; p. 357.
 Koscherak, A., New York, N. Y. Razor. No. 901,537; Oct. 20; Sp. p. 3089; Dr. p. 631; Gaz. vol. 136; p. 1616.
 Kosicky, E., administratrix. (See Kosicky, W.)
 Kosicky, W., deceased; E. Kosicky, administratrix, assignor to J. A. Richard, Detroit, Mich. Rotary oven. No. 896,395; Aug. 18; Sp. p. 3212; Dr. p. 689; Gaz. vol. 135; p. 1468.
 Kossmann, B. (See Müller, F. E., assignor.)
 Koster, C. C., New York, N. Y. Damper-regulator. No. 886,988; May 5; Sp. p. 1286; Dr. p. 271; Gaz. vol. 134; p. 214.
 Koters, C. B., Buffalo, N. Y. Non-detachable hinged last. No. 879,181; Feb. 18; Sp. p. 2655; Dr. p. 553; Gaz. vol. 132; p. 1343.
 Kőszegi, K., Baja, assignor of two-thirds to J. Böhm and S. Gelb, Budapest, Austria-Hungary. Motor-driven cultivating-machine. No. 880,457; Feb. 25; Sp. p. 5299; Dr. p. 1115; Gaz. vol. 132; p. 1736.
 Kothe, G. G., Lorain, Ohio. Means for controlling the flow of gas. No. 892,996; July 14; Sp. p. 1248; Dr. p. 262; Gaz. vol. 135; p. 233.
 Kottmair, L., Munich, and R. Zwack, Nordendorf, near Augsburg, Germany. Safety device for electric point shifting, signaling, locking, and switching apparatus. No. 883,646; Mar. 31; Sp. p. 6316; Dr. pp. 1346-8; Gaz. vol. 133; p. 1154.
 Kottusch, E. W., New York, N. Y. Stopper. No. 897,294; Sept. 1; Sp. p. 49; Dr. p. 12; Gaz. vol. 136; p. 11.
 Kotyra, M., Paris, France. Means for perforating slips for telegraphic signaling and other purposes. No. 895,374; Aug. 4; Sp. p. 1191; Dr. pp. 250-1; Gaz. vol. 135; p. 1093.
 Kouba, J., Pisek, N. D. Mail-box. No. 902,974; Nov. 3; Sp. p. 881; Gaz. vol. 137; p. 147.
 Kouteas, J., New York, N. Y. Automatic gas-supply cut-off. No. 890,070; June 9; Sp. p. 1755; Dr. p. 389; Gaz. vol. 134; p. 1369.
 Kouns, M. W., Columbus, assignor to Ohio Manufacturing Company, Upper Sandusky, Ohio. Reversing mechanism. No. 879,182; Feb. 18; Sp. p. 2657; Dr. p. 554; Gaz. vol. 132; p. 1344.
 Kouns, M. W., Columbus, assignor to Ohio Manufacturing Company, Upper Sandusky, Ohio. Tongue-truck for disk harrows. No. 889,933; June 9; Sp. p. 1460; Dr. p. 330; Gaz. vol. 134; p. 1321.
 Kountz, A. G., Pittsburg, Pa. Winding-indicator for timepieces. No. 876,721; Jan. 14; Sp. p. 2122; Dr. p. 466; Gaz. vol. 132; p. 376.
 Kováčević, J., Youngstown, Ohio. Railway safety system. No. 906,636; Dec. 15; Sp. p. 2939; Gaz. vol. 137; p. 1531.
 Kovach, F. J., assignor to J. C. Bassett, Cambridge, T. E. Parker, New Bedford, Mass., and H. F. Strout, Mount Vernon, N. Y., trustees. Flux and making the same. No. 881,081; Mar. 3; Sp. p. 1175; Gaz. vol. 133; p. 200.
 Kovacic, B., East Pittsburg, Pa. Lamp-extinguisher. No. 905,543; Dec. 1; Sp. p. 878; Gaz. vol. 137; p. 1123.
 Kovasic, G., Cambria, Wyo. Work-box. No. 894,960; Aug. 4; Sp. p. 370; Dr. p. 75; Gaz. vol. 135; p. 955.
 Kowastch, A. (See Bade and Kowastch.)
 Kozensnik, C., New York, N. Y. Third-rail electric-railway system. No. 884,170; Apr. 7; Sp. p. 1057; Dr. p. 220; Gaz. vol. 133; p. 135.
 Kozensnik, C., New York, N. Y. Third-rail electric-railway system. No. 888,099; May 19; Sp. p. 3572; Dr. p. 747; Gaz. vol. 134; p. 658.
 Kozlowski, B. R., Chicago, Ill. Train-pipe coupling. No. 908,013; Dec. 29; Sp. p. 5754; Gaz. vol. 137; p. 2047.
 Kozlowski, B. R., Chicago, Ill. Train-pipe coupling member. No. 908,014; Dec. 29; Sp. p. 5756; Gaz. vol. 137; p. 2047.
 Krabach, F. X., Fort Wayne, Ind. Card-rack. No. 907,611; Dec. 22; Sp. p. 4887; Gaz. vol. 137; p. 1885.
 Krabal, F., Chicago, Ill. Gas-burner. No. 899,600; Sept. 29; Sp. p. 4667; Dr. p. 1001; Gaz. vol. 136; p. 891.
 Krabbe, F., Chicago, Ill. Making steel-faced articles. No. 907,374; Dec. 22; Sp. p. 4385; Gaz. vol. 137; p. 1806.
 Krabill, C., Edgerton, Ohio. Post-brace. No. 883,205; Mar. 31; Sp. p. 5407; Dr. p. 1152; Gaz. vol. 133; p. 1013.
 Krabill, C. A., Fostoria, Ohio. Fat-cutting machine. No. 901,624; Oct. 20; Sp. p. 3256; Dr. pp. 667-8; Gaz. vol. 136; p. 1643.
 Kracker, G., Philadelphia, Pa. Muffler for telephone-transmitters. No. 901,108; Oct. 13; Sp. p. 2180; Dr. p. 443; Gaz. vol. 136; p. 1438.
 Kraedemann, W., Sheboygan, Wis. Cutter for chair-arm braces. No. 903,990; Nov. 17; Sp. p. 2951; Gaz. vol. 137; p. 539.
 Kraemer, A., and A. Child, Denver, Colo.; said Kraemer assignor to said Child. Floor-dressing machine. No. 906,035; Dec. 8; Sp. p. 1813; Gaz. vol. 137; p. 1311.
 Kraemer, A., and A. Child, Denver, Colo.; said Kraemer assignor to said Child. Floor-dressing machine. No. 907,058; Dec. 15; Sp. p. 3728; Gaz. vol. 137; p. 1664.
 Kraemer, G., et al., executors. (See Rütgers, J.)
 Kraemer, T., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Talking-machine. No. 881,322; Mar. 10; Sp. p. 1658; Dr. p. 355; Gaz. vol. 133; p. 309.
 Kraemer, T., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Talking-machine. No. 882,785; Mar. 24; Sp. p. 4547; Dr. p. 971; Gaz. vol. 133; p. 845.
 Kraemer, T., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Talking-machine. No. 885,489; Apr. 21; Sp. p. 3727; Dr. p. 784; Gaz. vol. 133; p. 1845.
 Kraemer, T., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Sound-box for talking-machines. No. 885,490; Apr. 21; Sp. p. 3730; Dr. p. 785; Gaz. vol. 133; p. 1845.
 Kraemer, T., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Sound-box for talking-machines. No. 887,657; May 12; Sp. p. 2690; Dr. p. 569; Gaz. vol. 134; p. 463.
 Kraemer, T., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Sound-box for talking-machines. No. 890,142; June 9; Sp. p. 1895; Dr. p. 420; Gaz. vol. 134; p. 1393.
 Kraemer, T., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Sound-box for talking-machines. No. 891,079; June 16; Sp. p. 3833; Dr. p. 837; Gaz. vol. 134; p. 1731.
 Kraemer, T., assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Talking-machine. No. 899,874; Sept. 29; Sp. p. 5244; Dr. p. 1121; Gaz. vol. 136; p. 980.
 Kraft, E., New York, N. Y. Latch. No. 897,749; Sept. 1; Sp. p. 1025; Dr. p. 218; Gaz. vol. 136; p. 166.
 Kraft, C. H. F., assignor of one-half to V. H. Wattles, Battle Creek, Mich. Gaff-hook. No. 886,003; Apr. 28; Sp. p. 4818; Dr. p. 1012; Gaz. vol. 133; p. 2041.

Alphabetical list of patentees—Continued.

- Kraft, H. (See Engi and Kraft.)
 Kraft, H., and G. Engi, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Violet vat dye and making same. No. 899,994; Sept. 29; Sp. p. 5494; Gaz. vol. 136; p. 1017.
 Kraft, H. P. (See Schweinert and Kraft.)
 Kraft, H. P., New York, N. Y. Feeding mechanism for lathes or other devices. No. 876,360; Jan. 14; Sp. p. 1338; Dr. pp. 290-1; Gaz. vol. 132; p. 253.
 Kraft, H. P., New York, N. Y., and M. C. Schweinert, West Hoboken, N. J. Water-bottle stopper. No. 876,002; Jan. 7; Sp. p. 610; Dr. p. 131; Gaz. vol. 132; p. 107.
 Kraft, H. P., New York, N. Y., and M. C. Schweinert, West Hoboken, N. J. Making socket members for hot-water bottles or the like. No. 876,361; Jan. 14; Sp. p. 1341; Dr. p. 291; Gaz. vol. 132; p. 254.
 Kraft, H. P., New York, N. Y., and M. C. Schweinert, West Hoboken, N. J. Water-bottle stopper. No. 877,933; Feb. 4; Sp. p. 76; Dr. p. 15; Gaz. vol. 132; p. 861.
 Kraft, O. D., and L. W. Fetzner, Findlay, Ohio. Well-pulling machine. No. 886,989; May 5; Sp. p. 1288; Dr. pp. 271-2; Gaz. vol. 134; p. 214.
 Kraft, W., Baltimore, Md. Type-writing machine. No. 885,057; Apr. 21; Sp. p. 2843; Dr. p. 604; Gaz. vol. 133; p. 1704.
 Kraft, W. B., Milan, Kans. Electromagnetic piano-player. No. 879,879; Feb. 25; Sp. p. 4110; Dr. p. 862; Gaz. vol. 132; p. 1603.
 Kragh, C. W. (See Adams and Kragh.)
 Krahenmann, O. Jr., St. Louis, Mo. Elastic-fluid turbine. No. 908,280; Dec. 29; Sp. p. 6305; Gaz. vol. 137; p. 2136.
 Krahn, A. W. (See Klumb and Krahn.)
 Krahn, F. J. C., *et al.* (See Hilger, B., assignor.)
 Krahnstöver, E., Milwaukee, Wis. Fabric-stretcher. No. 890,240; June 9; Sp. p. 2104; Dr. p. 461; Gaz. vol. 134; p. 1425.
 Kraibucher, V. (See Klousnitzer, F., assignor.)
 Krakau, H. T., assignor to National Malleable Castings Company, Cleveland, Ohio. Radial draft-gear. No. 900,022; Sept. 29, Sp. p. 5558; Dr. p. 1184; Gaz. vol. 136; p. 1027.
 Krakau, H. T., assignor to National Malleable Castings Company, Cleveland, Ohio. Draft-gear and buffing mechanism. No. 900,023; Sept. 29; Sp. p. 5559; Dr. pp. 1184-5; Gaz. vol. 136; p. 1027.
 Krakau, H. T., assignor to National Malleable Castings Company, Cleveland, Ohio. Draft-gear. No. 900,024; Sept. 29; Sp. p. 5562; Dr. pp. 1185-6; Gaz. vol. 136; p. 1028.
 Krakau, H. T., assignor to National Malleable Castings Company, Cleveland, Ohio. Radial draft-gear. No. 900,025; Sept. 29; Sp. p. 5563; Dr. pp. 1186-7; Gaz. vol. 136; p. 1028.
 Krakau, H. T., assignor to National Malleable Castings Company, Cleveland, Ohio. Radial draft-gear. No. 900,026; Sept. 29; Sp. p. 5565; Dr. pp. 1187-8; Gaz. vol. 136; p. 1028.
 Krakau, H. T., assignor to National Malleable Castings Company, Cleveland, Ohio. Draft-gear. No. 900,027; Sept. 29; Sp. p. 5568; Dr. pp. 1188-90; Gaz. vol. 136; p. 1029.
 Krakau, H. T., assignor to National Malleable Castings Company, Cleveland, Ohio. Draft-gear. No. 907,375; Dec. 22; Sp. p. 4386; Gaz. vol. 137; p. 1806.
 Kramer, A. A., Kansas City, Mo. Tank. No. 889,793; June 2; Sp. p. 1172; Dr. p. 271; Gaz. vol. 134; p. 1249.
 Kramer, C. (See Müller and Kramer.)
 Krämer, C., assignor to Felten & Guilleaume Lahmeyerwerke Actien-Gesellschaft, Frankfurt-on-the-Main, Germany. Magnet for alternating currents. No. 878,402; Feb. 4; Sp. p. 1028; Dr. p. 207; Gaz. vol. 132; p. 1017.
 Krämer, C., assignor to Felten & Guilleaume Lahmeyerwerke Actien-Gesellschaft, Frankfurt-on-the-Main, Germany. Friction coupling or clutch. No. 879,274; Feb. 18; Sp. p. 2824; Dr. p. 591; Gaz. vol. 132; p. 1374.
 Krämer, C., assignor to Felten & Guilleaume Lahmeyerwerke Actien-Gesellschaft, Frankfurt-on-the-Main, Germany. Electrically-operated valve. No. 896,120; Aug. 18; Sp. p. 2673; Dr. p. 577; Gaz. vol. 135; p. 1380.
 Krämer, C., assignor to Firm of Felten & Guilleaume Lahmeyerwerke Aktien-Gesellschaft, Frankfurt-on-the-Main, Germany. Transporting apparatus. No. 907,819; Dec. 29; Sp. p. 5342; Gaz. vol. 137; p. 1984.
 Kramer, C. G., assignor to Union Special Sewing Machine Company, Chicago, Ill. Sewing-machine. No. 885,624; Apr. 21; Sp. p. 4009; Dr. p. 837; Gaz. vol. 133; p. 1885.
 Kramer, C. H., Pittsburg, Pa. Vehicle. No. 881,933; Mar. 17; Sp. p. 2900; Dr. p. 618; Gaz. vol. 133; p. 536.
 Kramer, E. M. (See Kaufmann and Kramer.)
 Kramer, E. M., Paxton, Ill. Harrow attachment for plows. No. 881,414; Mar. 10; Sp. p. 1840; Dr. p. 399; Gaz. vol. 133; p. 337.
 Kramer, E. M., Paxton, Ill. Skeleton harrow-disk. No. 907,509; Dec. 22; Sp. p. 4661; Gaz. vol. 137; p. 1851.
 Kramer, E. M., Cissna Park, Ill. Band-cutter and feeder. No. 902,237; Oct. 27; Sp. p. 4528; Dr. p. 917; Gaz. vol. 136; p. 1871.
 Kramer, E. M., and J. W. Kaufmann, Paxton, Ill. Post-hole digger. No. 893,079; July 14; Sp. p. 1398; Dr. p. 296; Gaz. vol. 135; p. 259.
 Kramer, G. H., Dayton, Ohio. Molder's flask. No. 893,252; July 14; Sp. p. 1749; Dr. p. 369; Gaz. vol. 135; p. 315.
 Kramer, L., Philadelphia, Pa. Paint and varnish remover and preparing the same. No. 882,947; Mar. 24; Sp. p. 4900; Gaz. vol. 133; p. 901.
 Kramer, L. K., Monte Vista, Colo. Blasting-tool. No. 888,240; May 19; Sp. p. 3318; Dr. p. 801; Gaz. vol. 134; p. 683.
 Kramer, W. J., New York, N. Y. Gasolene-trap. No. 882,393; Mar. 17; Sp. p. 3790; Dr. p. 809; Gaz. vol. 133; p. 684.
 Krannichfeldt, J., Cologne, Germany. Producing electric resistance bodies. No. 881,010; Mar. 3; Sp. p. 1046; Gaz. vol. 133; p. 178.
 Krannichfeldt, J., Cologne, Germany. Contact apparatus for electric igniters. No. 882,394; Mar. 17; Sp. p. 3792; Dr. p. 810; Gaz. vol. 133; p. 684.
 Krantz, H. (See Muller, E. W., assignor.)
 Krantz, H., New York, N. Y. Conduit-cover. No. 890,285; June 9; Sp. p. 2217; Dr. p. 488; Gaz. vol. 134; p. 1439.
 Krantz, H., New York, N. Y. Conduit-coupling. No. 898,751; Sept. 15; Sp. p. 3026; Dr. pp. 648-9; Gaz. vol. 136; p. 550.
 Kranz, F. W., Minneapolis, Minn. Washing-machine. No. 887,481; May 12; Sp. p. 2356; Dr. p. 495; Gaz. vol. 134; p. 405.
 Krapp, F., Dusseldorf, Germany. Ironing-machine. No. 902,823; Nov. 3; Sp. p. 573; Gaz. vol. 137; p. 98.
 Krase, H. C., and R. Grimm, Two Rivers, Wis. Straw or feed cutter. No. 886,223; Apr. 28; Sp. p. 5232; Dr. p. 1102; Gaz. vol. 133; p. 2112.
 Kratzer, H. A., Clearfield, Pa. Paving-block. No. 889,692; June 2; Sp. p. 988; Dr. p. 228; Gaz. vol. 134; p. 1218.
 Kraus, O., New York, N. Y. Telephone-support. No. 883,811; Apr. 7; Sp. p. 276; Dr. p. 50; Gaz. vol. 133; p. 1236.
 Krause, A. E., Jersey City, N. J. Apparatus for purifying water and steam and for extracting oil and grease. No. 881,082; Mar. 3; Sp. p. 1175; Dr. pp. 253-5; Gaz. vol. 133; p. 200.
 Krause, A. F., assignor to C. C. Ladd, Buffalo, N. Y. Boiler-tube cleaner. No. 906,898; Dec. 15; Sp. p. 3448; Gaz. vol. 137; p. 1614.
 Krause, H., *et al.* (See Wensauer, M., assignor.)
 Krause, H. A. and N., Racine, Wis. Line-winding mechanism. No. 905,329; Dec. 1; Sp. p. 390; Gaz. vol. 137; p. 1051.
 Krause, H. C., assignor of one-third to C. T. Brown, Chicago, Ill. Garment-holder. No. 898,978; Sept. 15; Sp. p. 3432; Dr. p. 737; Gaz. vol. 136; p. 625.
 Krause, N. (See Krause, H. A. and N.)
 Krause, P., Babylon, N. Y. Internal-combustion turbine. No. 880,458; Feb. 25; Sp. p. 5302; Dr. p. 1116; Gaz. vol. 132; p. 1796.
 Krauss, G. A., Chemnitz, Germany. Wood-milling machine. No. 892,596; July 7; Sp. p. 388; Dr. p. 85; Gaz. vol. 135; p. 72.
 Krautschneider, H., Berlin, Germany. Process and apparatus for annealing and tempering metals. No. 899,452; Sept. 22; Sp. p. 4339; Gaz. vol. 136; p. 804.
 Krawczyk, F., Lodz, Russia. Pocket attachment for watches. No. 881,415; Mar. 10; Sp. p. 1841; Dr. p. 399; Gaz. vol. 133; p. 337.
 Kraybill, R. S. (See Waugh, A. L., assignor.)
 Kready, S. (See Ammon, C. T., assignor.)
 Krebs, O. E., Santa Ana, Cal. Lantern. No. 906,536; Dec. 15; Sp. p. 2760; Gaz. vol. 137; p. 1500.
 Krebs, A. C., assignor to La Société Anonyme des Anciens Etablissements Panhard et Levassor, Paris, France. Sliding table or carriage for metal-cutting machines. No. 892,854; July 7; Sp. p. 923; Dr. p. 196; Gaz. vol. 135; p. 155.
 Krebs, C., Newark, N. J. Carbureter. No. 881,416; Mar. 10; Sp. p. 1842; Dr. pp. 400-1; Gaz. vol. 133; p. 338.
 Krebs, C. M., New Albany, Ind. Machine for making wood-carpet squares. No. 894,017; July 21; Sp. p. 3419; Dr. pp. 699-702; Gaz. vol. 135; p. 597.
 Krebs, H. (See Klenk, H., assignor.)
 Krebs, J. C. L. (See Bachle and Krebs.)
 Krech, T., Meiningen, Germany. Foldable beach-chair. No. 882,948; Mar. 24; Sp. p. 4901; Dr. p. 1039; Gaz. vol. 133; p. 901.
 Kreeger, C. A. (See Virgils, W. A., assignor.)
 Kregelius, L. M., Cleveland, Ohio. Can for polishing compositions. No. 887,101; May 12; Sp. p. 1527; Dr. p. 323; Gaz. vol. 134; p. 280.
 Kreger, F., Cleveland, Ohio. Molding apparatus. No. 906,240; Dec. 8; Sp. p. 2216; Gaz. vol. 137; p. 1380.
 Krehbiel, J., Detroit, Mich. Safety-door for elevators. No. 890,071; June 9; Sp. p. 1758; Dr. p. 389; Gaz. vol. 134; p. 1369.
 Krehlik, A., Newburgh City, Ohio. Carpenter's gage and scriber. No. 907,612; Dec. 22; Sp. p. 4889; Gaz. vol. 137; p. 1885.
 Kreidler, C. W., Chicago, Ill. Poultry-roost. No. 895,375; Aug. 4; Sp. p. 1193; Dr. p. 251; Gaz. vol. 135; p. 1093.
 Kreimer, P. F., Norwood, Ohio. Hame-holder. No. 877,781; Jan. 28; Sp. p. 4267; Dr. p. 926; Gaz. vol. 132; p. 784.
 Kreis, R. W., Jennings, Mo. Water-velocipede. No. 879,389; Feb. 18; Sp. p. 3063; Dr. p. 637; Gaz. vol. 132; p. 1410.

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- Kreisel, F. W. T., Warrenton, Va. Crib. No. 901,917; Oct. 20; Sp. p. 3851; Dr. p. 786; Gaz. vol. 136; p. 1739.
- Krejci, J. (See Kaspar and Krejci.)
- Krell, A. (See Welin, P., assignor.)
- Krell-French Piano Co. (See French, H. E., assignor.)
- Krell, O., Charlottenburg, assignor to Siemens-Schuckertwerke G. M. B. H., Berlin, Germany. Centrifugal pump with funnel-shaped guide-pipes in the suction-space between the suction-pipe and ring of blades. No. 879,476; Feb. 18; Sp. p. 3252; Dr. p. 677; Gaz. vol. 132; p. 1439.
- Krell, O., Charlottenburg, assignor to Siemens-Schuckert Werke G. M. B. H., Berlin, Germany. Centrifugal pump or fan. No. 905,712; Dec. 1; Sp. p. 1182; Gaz. vol. 137; p. 1175.
- Krellwitz, D. W., St. Catharines, Ontario, Canada. Pole. No. 834,171; Apr. 7; Sp. p. 1059; Dr. p. 221; Gaz. vol. 133; p. 1355.
- Krentler-Arnold Hinge Last Company. (See Brown, J. T., assignor.)
- Krentler-Arnold Hinge Last Company. (See Dion, J., assignor.)
- Krentler-Arnold Hinge Last Company. (See Harding, J. T., assignor.)
- Krentler-Arnold Hinge Last Company. (See Krentler, E. O., assignor.)
- Krentler-Arnold Hinge Last Company. (See Porter, W. C., assignor.)
- Krentler-Arnold Hinge Last Company. (See Pym, C. F., assignor.)
- Krentler-Arnold Hinge Last Company. (See Shainsey, F. J., assignor.)
- Krentler Brothers Company. (See Pym, C. F., assignor.)
- Krentler, E. O., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Divided last. No. 901,918; Oct. 20; Sp. p. 3852; Dr. p. 786; Gaz. vol. 136; p. 1739.
- Krentler, E. O., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Link-last. No. 902,302; Oct. 27; Sp. p. 4663; Dr. p. 946; Gaz. vol. 136; p. 1894.
- Krentler, E. O., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Hinged last. No. 902,303; Oct. 27; Sp. p. 4665; Dr. p. 946; Gaz. vol. 136; p. 1894.
- Kresge, J., Lookout, Cal. Folding ironing-board. No. 893,848; July 21; Sp. p. 3077; Dr. p. 629; Gaz. vol. 135; p. 542.
- Kress, G. R., Pittsburg, Pa. Lightning-rod. No. 904,909; Nov. 24; Sp. p. 5022; Gaz. vol. 137; p. 896.
- Kret, J. (See Wolynee, R. F., assignor.)
- Kretschmer, K. O., Elizabeth, N. J., assignor of two-thirds to C. J. and F. E. Canda, New York, N. Y. Refining metals. No. 898,116; Sept. 8; Sp. p. 1809; Gaz. vol. 136; p. 315.
- Kretzer, J. A., Mound City, Mo. Rail-splice. No. 891,707; June 23; Sp. p. 5135; Dr. p. 1109; Gaz. vol. 134; p. 1970.
- Kretzer, P. (See Blake and Kretzer.)
- Kreuter, A. W., Grand Rapids, Mich. Harness-loop. No. 895,376; Aug. 4; Sp. p. 1195; Dr. p. 251; Gaz. vol. 135; p. 1094.
- Kreutz, T., Sweetbriar, N. D. Evener. No. 878,209; Feb. 4; Sp. p. 654; Dr. p. 134; Gaz. vol. 132; p. 952.
- Kreuzberger, B., Meriden, Conn. Keyless combination-padlock. No. 888,910; May 26; Sp. p. 5233; Dr. p. 1109; Gaz. vol. 134; p. 936.
- Krowson, S. A., Pensauken, assignor by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Fudging-machine. No. 894,332; July 28; Sp. p. 4099; Dr. p. 846; Gaz. vol. 135; p. 722.
- Kric, A., Chicago, Ill. Chimney-ventilator. No. 877,092; Jan. 21; Sp. p. 2896; Dr. p. 626; Gaz. vol. 132; p. 538.
- Krichbaum, W. F., assignor to Foster Engineering Co., Newark, N. J. Relief-valve. (Reissue.) No. 12,813; June 16; Sp. p. 4123; Dr. p. 903; Gaz. vol. 134; p. 1778.
- Krichbaum, W. F., assignor to Foster Engineering Co., Newark, N. J. Automatic pressure-controlling device. No. 894,018; July 21; Sp. p. 3433; Dr. p. 702; Gaz. vol. 135; p. 597.
- Kricke, H. A., assignor of one-half to J. H. Elfers, Crows Landing, Cal. Decoy-support. No. 892,528; July 7; Sp. p. 269; Dr. p. 58; Gaz. vol. 135; p. 50.
- Kridler, H., *et al.* (See Kridler, J., assignor.)
- Kridler, J., assignor to F. W. Buse, Grand Rapids, and H. Kridler, Caledonia, Mich. Attachment for sticker-heads. No. 897,210; Aug. 25; Sp. p. 4890; Dr. p. 1042; Gaz. vol. 135; p. 1758.
- Krieg, H., Neustadt-on-the-Hardt, Germany. Stirrup. No. 902,745; Nov. 3; Sp. p. 420; Gaz. vol. 137; p. 73.
- Krieger, L., Paris, France. Motor driven and steered fore carriage for automobiles. No. 886,990; May 5; Sp. p. 1291; Dr. p. 272; Gaz. vol. 134; p. 215.
- Krieger, L., Paris, France. Electrically-propelled vehicle. No. 896,216; Aug. 18; Sp. p. 2846; Dr. p. 613; Gaz. vol. 135; p. 1411.
- Krieger, L., Paris, France. Self-regulating electrically-propelled vehicle with limited variations in intensity. No. 905,713; Dec. 1; Sp. p. 1183; Gaz. vol. 137; p. 1176.
- Krieger, W., New York, N. Y. Penholder. No. 886,060; Apr. 28; Sp. p. 4938; Dr. p. 1038; Gaz. vol. 133; p. 2060.
- Krieghoff, W., Concord, N. H. Piano sounding-board. No. 885,261; Apr. 21; Sp. p. 3280; Dr. pp. 685-6; Gaz. vol. 133; p. 1771.
- Kriete, A. J., Asherville, Kans. Letter-clasp. No. 877,782; Jan. 28; Sp. p. 4268; Dr. p. 927; Gaz. vol. 132; p. 784.
- Kristofek, F. J., Coshocton, Ohio. Pin. No. 886,612; May 5; Sp. p. 533; Dr. p. 114; Gaz. vol. 134; p. 95.
- Kritzler, J. (See Kötting and Kritzler.)
- Kriwanek, J., San Francisco, Cal. Pousse-café machine. No. 903,203; Nov. 10; Sp. p. 1337; Gaz. vol. 137; p. 249.
- Kroder, J., New York, N. Y. Curtain-pole ring. No. 876,199; Jan. 7; Sp. p. 993; Dr. p. 215; Gaz. vol. 132; p. 169.
- Kroder, J., New York, N. Y. Curtain-pole. No. 886,991; May 5; Sp. p. 1292; Dr. p. 272; Gaz. vol. 134; p. 215.
- Kroder, J., New York, N. Y. Curtain-fixture. No. 891,622; June 23; Sp. p. 4945; Dr. p. 1065; Gaz. vol. 134; p. 1940.
- Kroedel, R., assignor to Eastman Kodak Company, Rochester, N. Y. Enlarging-camera. No. 891,347; June 23; Sp. p. 4387; Dr. pp. 954-5; Gaz. vol. 134; p. 1850.
- Kroeger, G. F., Evanston, assignor to Globe-Wernicke Company, Cincinnati, Ohio. Knockdown sectional bookcase. No. 892,997; July 14; Sp. p. 1250; Dr. p. 262; Gaz. vol. 135; p. 233.
- Kroen, J. H., Monaca, Pa. Trolley. No. 876,722; Jan. 14; Sp. p. 2124; Dr. p. 466; Gaz. vol. 132; p. 376.
- Kroenert, C. F. M., Altona, Germany. Machine for printing tapestry. No. 877,570; Jan. 28; Sp. p. 3873; Dr. pp. 838-9; Gaz. vol. 132; p. 717.
- Kroeschell Brothers Company. (See Schwartz, E. H., assignor.)
- Kröger, C., assignor to Norddeutsche Wollkammerei und Kammgarnspinnerei, Delmenhorst, Germany. Draw-off device for combing-machines. No. 905,714; Dec. 1; Sp. p. 1184; Gaz. vol. 137; p. 1176.
- Krogh, C., Stavanger, Norway. Means for clamping joinery-work. No. 886,613; May 5; Sp. p. 534; Dr. p. 114; Gaz. vol. 134; p. 95.
- Krogh, C. H., Lincoln, Nebr. Bench-dog. No. 891,080; June 16; Sp. p. 3835; Dr. p. 838; Gaz. vol. 134; p. 1731.
- Krogh, F., San Francisco, Cal. Construction of centrifugal pumps. No. 887,658; May 12; Sp. p. 2692; Dr. p. 569; Gaz. vol. 134; p. 463.
- Kroll, F., Sebawaing, Mich. Automatic railway gate and signal. No. 883,546; Mar. 31; Sp. p. 6134; Dr. p. 1304; Gaz. vol. 133; p. 1123.
- Krompigel, M. (See Muff and Krompigel.)
- Kron, C., Malmö, Sweden, assignor to United Shoe Machinery Company, Paterson, N. J. Mechanical hammering device for use in the manufacture of boots and shoes or the like. (Reissue.) No. 12,825; July 7; Sp. p. 1172; Dr. p. 247; Gaz. vol. 135; p. 197.
- Kron, R., Gölzern, near Grimma, Germany. Manufacture of card-paper or the like from two simultaneously-produced single paper webs. No. 897,543; Sept. 1; Sp. p. 625; Dr. p. 129; Gaz. vol. 136; p. 98.
- Kronenberg, C. W., and H. Stranzenbach, New York, N. Y. Insect-catcher. No. 884,095; Apr. 7; Sp. p. 863; Dr. p. 181; Gaz. vol. 133; p. 1330.
- Kronenberg, R., Ohligs, Germany. Detachable rim. No. 897,630; Sept. 1; Sp. p. 794; Dr. p. 167; Gaz. vol. 136; p. 126.
- Kronk, J. B., and A. P. Gold, Anderson, Ind. Cigar-box. No. 906,899; Dec. 15; Sp. p. 3449; Gaz. vol. 137; p. 1615.
- Kronman, E., New York, N. Y. Sterilizing apparatus. No. 883,463; Mar. 31; Sp. p. 5961; Dr. pp. 1271-2; Gaz. vol. 133; p. 1099.
- Kropp, L. L. (See Boughton, W. H., assignor.)
- Krotoschin, S., Leipzig, Germany. Advertising-sign or the like. No. 882,949; Mar. 24; Sp. p. 4902; Dr. p. 1039; Gaz. vol. 133; p. 961.
- Krough, E. C. C. (See Bentley and Krough.)
- Krueger, C. R., and H. C. Evelyn, New York, N. Y. Lettering apparatus. No. 889,626; June 2; Sp. p. 855; Dr. p. 195; Gaz. vol. 134; p. 1197.
- Krueger, G., Cincinnati, assignor to W. B. White, Cleveland, Ohio. Magazine cap-exploder. No. 897,631; Sept. 1; Sp. p. 795; Dr. p. 167; Gaz. vol. 136; p. 126.
- Krueger, H. L. E., assignor to Tufting Machine Supply Company, Chicago, Ill. Upholsterer's button. No. 899,601; Sept. 29; Sp. p. 4668; Dr. p. 1004; Gaz. vol. 136; p. 891.
- Krueger, M. (See Carmouche, E. A., assignor.)
- Krueger, W., Lake Park, Iowa. Ditching-machine. No. 907,059; Dec. 15; Sp. p. 3732; Gaz. vol. 137; p. 1664.
- Krüger, A. (See Köncow and Krüger.)
- Krüger, C. H., Bradford, England. Tennis-racket. No. 879,477; Feb. 18; Sp. p. 3254; Dr. p. 678; Gaz. vol. 132; p. 1439.
- Krüger, C. H., Bradford, England. Life-saving appliance. No. 881,417; Mar. 10; Sp. p. 1846; Dr. p. 401; Gaz. vol. 133; p. 338.
- Krüger, F. C., Hanover, Germany. Rotary engine. No. 898,658; Sept. 15; Sp. p. 2859; Dr. p. 611; Gaz. vol. 136; p. 521.
- Krüger, F. C., Hanover, Germany. Rotary engine. No. 902,585; Nov. 3; Sp. p. 114; Gaz. vol. 137; p. 18.
- Krüger, J., Berlin, Germany. Device for cutting figured iron. No. 897,964; Sept. 8; Sp. p. 1545; Dr. p. 328; Gaz. vol. 136; p. 173.
- Kruger, J. L., New York, N. Y. Sectional outlet-conduit. No. 883,409; Mar. 31; Sp. p. 5844; Dr. p. 1246; Gaz. vol. 133; p. 1080.

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- Krüger, O., Alenstein, Germany. Bottle-cooler. No. 905,439; Dec. 1; Sp. p. 663; Gaz. vol. 137; p. 1090.
- Kruh, O. O., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 883,030; Mar. 24; Sp. p. 5041; Dr. p. 1073; Gaz. vol. 133; p. 926.
- Kruh, O. O., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 883,114; Mar. 24; Sp. p. 5203; Dr. p. 1112; Gaz. vol. 133; p. 953.
- Kruh, O. O., Schenectady, N. Y., assignor to General Electric Company. Rectifier system. No. 887,659; May 12; Sp. p. 2693; Dr. p. 569; Gaz. vol. 131; p. 464.
- Kruh, O. O., Schenectady, N. Y., assignor to General Electric Company. Starting device for mercury-vapor apparatus. No. 887,660; May 12; Sp. p. 2695; Dr. p. 570; Gaz. vol. 134; p. 464.
- Kruh, O. O., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. No. 894,668; July 28; Sp. p. 4769; Dr. p. 990; Gaz. vol. 135; p. 832.
- Kruh, O. O., Schenectady, N. Y., assignor to General Electric Company. Rectifier system. No. 895,869; Aug. 11; Sp. p. 2191; Dr. p. 466; Gaz. vol. 135; p. 1277.
- Kruh, O. O., Schenectady, N. Y., assignor to General Electric Company. Rectifier system. No. 897,544; Sept. 1; Sp. p. 626; Dr. p. 129; Gaz. vol. 136; p. 98.
- Kruh, O. O., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. No. 900,745; Oct. 13; Sp. p. 1439; Dr. p. 292; Gaz. vol. 136; p. 1321.
- Krum, C. L., Chicago, Ill. Printing-telegraph. No. 888,335; May 19; Sp. p. 3988; Dr. pp. 841-5; Gaz. vol. 134; p. 713.
- Krummel, L. C., Clinton, Conn. Semi-automatic feeding attachment for presses. No. 894,669; July 28; Sp. p. 4771; Dr. p. 990; Gaz. vol. 135; p. 832.
- Krummel, L. C., Clinton, Conn., and J. C. Taliaferro, Baltimore, Md., assignors to Continental Machine Company, Syracuse, N. Y. Can-cap-hemming machine. No. 892,743; July 7; Sp. p. 693; Dr. pp. 146-7; Gaz. vol. 135; p. 119.
- Krummel, P. (See Bartosik and Krummel.)
- Krumming, R., Milwaukee, Wis. Album. No. 880,311; Feb. 25; Sp. p. 4991; Dr. p. 1053; Gaz. vol. 132; p. 1746.
- Krumscheid, C. D., *et al.* (See Sandler, J., assignor.)
- Kruschke, R. C., Duluth, Minn. Pocket pencil and pen holder. No. 894,448; July 28; Sp. p. 4343; Dr. p. 895; Gaz. vol. 135; p. 761.
- Kruse, A. T., assignor to American Steel Package Company, Defiance, Ohio. Sheet-metal packing-case. No. 881,418; Mar. 10; Sp. p. 1848; Dr. p. 401; Gaz. vol. 133; p. 338.
- Kruse, A. T., assignor to American Steel Package Company, Defiance, Ohio. Sheet-metal packing-case. No. 881,419; Mar. 10; Sp. p. 1849; Dr. p. 402; Gaz. vol. 133; p. 339.
- Kruse, A. T., assignor to American Steel Package Company, Defiance, Ohio. Sheet-metal packing-case. No. 884,669; Apr. 14; Sp. p. 2063; Dr. p. 441; Gaz. vol. 133; p. 1546.
- Kruse, A. T., assignor to American Steel Package Company, Defiance, Ohio. Sheet-metal packing-case. No. 884,670; Apr. 14; Sp. p. 2065; Dr. p. 441; Gaz. vol. 133; p. 1547.
- Kruse, A. T., assignor to American Steel Package Company, Defiance, Ohio. Box-fastener. No. 891,061; June 30; Sp. p. 5848; Dr. p. 1258; Gaz. vol. 134; p. 2117.
- Kruse, A. T., assignor to American Steel Package Company, Defiance, Ohio. Sheet-metal packing-case. No. 891,062; June 30; Sp. p. 5849; Dr. p. 1258; Gaz. vol. 134; p. 2117.
- Kruse, A. T., assignor to American Steel Package Company, Defiance, Ohio. Metallic barrel. No. 905,192; Dec. 1; Sp. p. 141; Gaz. vol. 137; p. 1006.
- Kruse, A. T., assignor to American Steel Package Company, Defiance, Ohio. Packing-case. No. 905,193; Dec. 1; Sp. p. 142; Gaz. vol. 137; p. 1006.
- Kruse, C. and E. J., Seattle, Wash. Attachment for bread kneading and molding machines. No. 896,396; Aug. 18; Sp. p. 3214; Dr. pp. 689-90; Gaz. vol. 135; p. 1468.
- Kruse, E. J. (See Kruse, C. and E. J.)
- Kruse, J., St. Louis, Mo. Keyless lock for traveling-bags, &c. No. 886,136; Apr. 28; Sp. p. 5087; Dr. p. 1068; Gaz. vol. 133; p. 2084.
- Kruse, J. V., Virginia, Ill. Road-grader. No. 879,970; Feb. 25; Sp. p. 4310; Dr. p. 901; Gaz. vol. 132; p. 1635.
- Krusi, J., *et al.* (See Brown, J. H., assignor.)
- Krutil, J. C. (See Gerbrecht and Krutil.)
- Krutz, E. E., *et al.* (See Gray, H. M., assignor.)
- Krygowski, W., Chicopee Falls, Mass. Steam-engine. No. 878,543; Feb. 11; Sp. p. 1384; Dr. p. 284; Gaz. vol. 132; p. 1097.
- Kryptok Company. (See Borsch, J. L., Jr., assignor.)
- Kryzanowsky, C. J. (See Engler and Kryzanowsky.)
- Kuba, F., New York, N. Y. Piano-keyboard. No. 888,100; May 19; Sp. p. 3575; Dr. p. 748; Gaz. vol. 134; p. 638.
- Kubach, C., Abilene, Kans. Concrete fence-post. No. 897,632; Sept. 1; Sp. p. 797; Dr. p. 168; Gaz. vol. 136; p. 127.
- Kubach, C., Abilene, Kans. Multiple mold for fence-posts. No. 899,416; Sept. 22; Sp. p. 4275; Dr. p. 917; Gaz. vol. 136; p. 793.
- Kubierschky, K., Brunswick, Germany. Removing chlorine from raw bromin. No. 881,806; Mar. 10; Sp. p. 2604; Gaz. vol. 133; p. 464.
- Küch, R., assignor to Firm of W. C. Heraeus, Hanau, Germany. Working of electric vapor-lamps. No. 883,725; Apr. 7; Sp. p. 91; Gaz. vol. 133; p. 1208.
- Küch, R., assignor to Firm of W. C. Heraeus, Hanau, Germany. Vapor electric lamp. No. 886,706; May 5; Sp. p. 752; Gaz. vol. 134; p. 126.
- Kück, H. G. (See Stuber, J., assignor.)
- Kück, H. G., assignor to Stuber & Kück, Peoria Ill. Display-box. No. 896,923; Aug. 25; Sp. p. 4330; Dr. p. 928; Gaz. vol. 135; p. 1665.
- Kudlich, A. H., Lynn, Mass., assignor to General Electric Company. Core-box. No. 902,304; Oct. 27; Sp. p. 4667; Dr. p. 946; Gaz. vol. 136; p. 1895.
- Kuebler, C. H. (See Howard, J. H., assignor.)
- Kuebler, G., Saginaw, Mich. Mixing-machine. No. 906,036; Dec. 8; Sp. p. 1816; Gaz. vol. 137; p. 1312.
- Kueffer, H. R., Wellmanville, Kans. Belt-guide. No. 881,698; Mar. 10; Sp. p. 2387; Dr. p. 518; Gaz. vol. 133; p. 429.
- Kuehl, H., assignor of one-half to T. Kolischer, Philadelphia, Pa. Compressor. No. 898,659; Sept. 15; Sp. p. 2862; Dr. p. 611; Gaz. vol. 136; p. 521.
- Kuehn, F. (See Paquette, F., assignor.)
- Kuesting, C., Woodburn, Oreg. Combined basket and support therefor. No. 897,750; Sept. 1; Sp. p. 1027; Dr. p. 218; Gaz. vol. 136; p. 166.
- Kuert, A., *et al.* (See McCombe, R. H., assignor.)
- Kuert, I. J., San Diego, Cal. Package-box. No. 884,338; Apr. 7; Sp. p. 1345; Dr. p. 287; Gaz. vol. 133; p. 1408.
- Kuettner, M. (See Stoerr and Kuettner.)
- Kuettner, M., Comfort, Tex. Poultry feeder and waterer. No. 887,818; May 19; Sp. p. 3018; Dr. p. 634; Gaz. vol. 134; p. 547.
- Kuettner, M., Comfort, Tex. Cleaning implement. No. 893,080; July 14; Sp. p. 1400; Dr. p. 296; Gaz. vol. 135; p. 259.
- Kugel, P. (See Gelpke and Kugel.)
- Kugel, P., Dusseldorf, Germany. Stuffing-box. No. 877,093; Jan. 21; Sp. p. 2897; Dr. pp. 626-7; Gaz. vol. 132; p. 538.
- Kügelgen, F. von. (See Seward and Kügelgen.)
- Kügelgen, F. von, Holcombs Rock, Va., and G. O. Seward, New York, N. Y. Cyclic process of recovering metallic tin. No. 883,139; Mar. 24; Sp. p. 5267; Gaz. vol. 133; p. 962.
- Kügelgen, F. von, Holcombs Rock, Va., and G. O. Seward, New York, N. Y. Electrolyzing aqueous solutions of stannic chlorid. No. 883,140; Mar. 24; Sp. p. 5269; Gaz. vol. 133; p. 963.
- Kügelgen, F. von, Holcombs Rock, Va., and G. O. Seward, New York, N. Y. Electrolyzing aqueous stannic-chlorid solutions. No. 883,141; Mar. 24; Sp. p. 5270; Gaz. vol. 133; p. 963.
- Kügelgen, F. von, and G. O. Seward, Holcombs Rock, Va., assignors, by mesne assignments, to Electro Metallurgical Company. Metallurgical process. No. 878,966; Feb. 11; Sp. p. 2221; Gaz. vol. 132; p. 1233.
- Kügelgen, F. von, and G. O. Seward, Holcombs Rock, Va., assignors to Virginia Laboratory Company, New York, N. Y. Producing magnesium. No. 880,489; Feb. 25; Sp. p. 5369; Gaz. vol. 132; p. 1807.
- Kügelgen, F. von, and G. O. Seward, Holcombs Rock, Va., assignors to Virginia Laboratory Company, New York, N. Y. Electric-furnace process. No. 880,743; Mar. 3; Sp. p. 514; Dr. p. 106; Gaz. vol. 133; p. 89.
- Kügelgen, F. von, and G. O. Seward, Holcombs Rock, Va., assignors to Virginia Laboratory Company, New York, N. Y. Producing aluminum-magnesium alloys. No. 881,934; Mar. 17; Sp. p. 2301; Dr. p. 619; Gaz. vol. 133; p. 536.
- Kugler, F., assignor to Firm of Actienengesellschaft, vormals F. Martini & Co., Frauenfeld, Switzerland. Thread-laying device for book-stitching machines. No. 886,820; May 5; Sp. p. 989; Dr. p. 208; Gaz. vol. 134; p. 161.
- Kühl, C. B., Sioux City, Iowa. Reel-clamp. No. 876,648; Jan. 14; Sp. p. 1994; Dr. p. 434; Gaz. vol. 132; p. 354.
- Kühl, H., Blankenese, near Hamburg, Germany, assignor, by mesne assignments, to Atlas Portland Cement Company, New York, N. Y. Slag cement and making the same. No. 900,939; Oct. 13; Sp. p. 1854; Gaz. vol. 136; p. 1384.
- Kuhle, A. (See Hattermer and Kuhle.)
- Kuhle, A., West New York, N. J., assignor to Hardman, Peck & Company, New York, N. Y. Shiftable tracker-bar. No. 883,206; Mar. 31; Sp. p. 5408; Dr. p. 1152; Gaz. vol. 133; p. 1014.

Alphabetical list of patents—Continued.

- Kuhlewind, C., assignor of five-eighths to P. Wuesthoff, Pittsburg, Pa. Apparatus for manufacturing glass articles. No. 900,940; Oct. 13; Sp. p. 1855; Dr. pp. 377-9; Gaz. vol. 136; p. 1384.
- Kuhlmann, F. R., Marseilles, Ill., assignor to Howe & Davidson Company, East Orange, N. J. Embossing-die. No. 901,109; Oct. 13; Sp. p. 2181; Dr. p. 443; Gaz. vol. 136; p. 1438.
- Kuhlmann, H. F., Indianapolis, Ind. Creeper for horseshoes. No. 893,523; July 14; Sp. p. 2301; Dr. p. 483; Gaz. vol. 135; p. 404.
- Kuhlmann, K., Berlin, Pankow, Germany, assignor to General Electric Company. Protective device. No. 888,241; May 19; Sp. p. 3819; Dr. p. 802; Gaz. vol. 134; p. 683.
- Kuhlmann, K., Berlin, Germany, assignor to General Electric Company. Protective device for electrical systems. No. 897,211; Aug. 25; Sp. p. 4891; Dr. p. 1042; Gaz. vol. 135; p. 1758.
- Kuhlmann, K., Berlin, Germany, assignor to General Electric Company. Lightning-arrester. No. 897,212; Aug. 25; Sp. p. 4893; Dr. p. 1042; Gaz. vol. 135; p. 1758.
- Kuhn, F., Detroit, Mich. Electrically-heated sad-iron. No. 887,947; May 19; Sp. p. 3276; Dr. p. 688; Gaz. vol. 134; p. 590.
- Kuhn, F., assignor to American Electrical Heater Company, Detroit, Mich. Electrical heating element. No. 887,333; May 12; Sp. p. 2042; Dr. p. 427; Gaz. vol. 134; p. 357.
- Kuhn, F. L., Fitchburg, Mass. Lamp attachment. No. 908,015; Dec. 29; Sp. p. 5758; Gaz. vol. 137; p. 2047.
- Kuhn, G., Meadville, Pa. Swing. No. 878,965; Feb. 11; Sp. p. 2219; Dr. p. 465; Gaz. vol. 132; p. 1233.
- Kuhn, J., assignor of one-fourth to J. N. Lippert, Pittsburg, Pa. Envelop. No. 880,223; Feb. 25; Sp. p. 4826; Dr. p. 1021; Gaz. vol. 132; p. 1718.
- Kühne, F. C., Charlottenburg, Germany. Train-arrester. No. 899,602; Sept. 29; Sp. p. 4669; Dr. p. 1001; Gaz. vol. 136; p. 891.
- Kühne, K. A., assignor to Titan-Gesellschaft mit beschränkter Haftung, Dresden, Germany. Reduction of refractory oxids. No. 878,210; Feb. 4; Sp. p. 655; Gaz. vol. 132; p. 952.
- Kuhnert, C., Chicago, Ill. Vermin-eradicator. No. 879,055; Feb. 11; Sp. p. 2377; Dr. p. 497; Gaz. vol. 132; p. 1260.
- Kühnle, S., Braddock, Pa. Rail-joint. No. 891,081; June 16; Sp. p. 3836; Dr. p. 838; Gaz. vol. 134; p. 1732.
- Kuhnsiek, A. J. H., Jersey City, N. J., assignor to R. Neuman Hardware Co. Fastener for bag-frames. No. 883,647; Mar. 31; Sp. p. 6326; Dr. p. 1348; Gaz. vol. 133; p. 1155.
- Kujawa, F. L. (See Domsen and Kujawa.)
- Kull, F., Pittsburg, Pa. Training device. No. 903,731; Nov. 10; Sp. p. 2385; Gaz. vol. 137; p. 419.
- Kumler, H. R., Etiwanda, Cal. Shock-absorbing vehicle-wheel. No. 882,697; Mar. 24; Sp. p. 4380; Dr. p. 932; Gaz. vol. 133; p. 818.
- Kummer, C., Hampshire, Ill. Watch-movement fastener. No. 887,819; May 19; Sp. p. 3020; Dr. p. 635; Gaz. vol. 134; p. 547.
- Kummer, J. L., Cold Spring, Minn. Rake. No. 902,238; Oct. 27; Sp. p. 4531; Dr. p. 918; Gaz. vol. 136; p. 1871.
- Kunan, A., Roxbury, Mass. Nut-lock. No. 893,081; July 14; Sp. p. 1401; Dr. p. 296; Gaz. vol. 135; p. 260.
- Kunath, E. F., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 886,992; May 5; Sp. p. 1293; Dr. p. 272; Gaz. vol. 134; p. 215.
- Kunde, W., Dresden, Germany. Holder for writing and similar instruments or tools. No. 901,452; Oct. 20; Sp. p. 2912; Dr. p. 593; Gaz. vol. 136; p. 1588.
- Kundtz, T., Lakewood, Ohio. Sewing-machine table or cabinet. No. 880,224; Feb. 25; Sp. p. 4828; Dr. pp. 1021-2; Gaz. vol. 132; p. 1718.
- Kundtz, T., Lakewood, Ohio. Wall-cabinet. No. 902,664; Nov. 3; Sp. p. 255; Gaz. vol. 137; p. 44.
- Kundtz, T., Lakewood, Ohio. Wall-cabinet. No. 902,665; Nov. 3; Sp. p. 257; Gaz. vol. 137; p. 44.
- Kunkel, A., Johnstown, Pa. Broom-holder. No. 901,179; Oct. 13; Sp. p. 2295; Dr. p. 468; Gaz. vol. 136; p. 1460.
- Kunkel, F. R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil-winding machine. No. 882,253; Mar. 17; Sp. p. 3532; Dr. p. 749; Gaz. vol. 133; p. 638.
- Kunkel, F. R., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Winding for single-phase induction-motors. No. 896,217; Aug. 18; Sp. p. 2848; Dr. p. 613; Gaz. vol. 135; p. 1412.
- Kunkle, H. E., Vandergrift Heights, Pa. Sleeve-board. No. 898,228; Sept. 8; Sp. p. 2031; Dr. p. 431; Gaz. vol. 136; p. 350.
- Kuntze, H., Gleiwitz, Germany. Device for calking boiler-tubes. No. 889,242; June 2; Sp. p. 97; Dr. p. 22; Gaz. vol. 134; p. 1074.
- Kunz, J., Vienna, Austria-Hungary. Delivery apparatus for dry goods. No. 895,377; Aug. 4; Sp. p. 1196; Dr. p. 252; Gaz. vol. 135; p. 1094.
- Kunz, M. A., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye and making same. No. 876,810; Jan. 14; Sp. p. 2268; Gaz. vol. 132; p. 403.
- Kunze, H. A., Rochester, N. Y. Device for cutting lines. No. 893,173; July 14; Sp. p. 1592; Dr. p. 338; Gaz. vol. 135; p. 290.
- Künzler, A., Constance, Germany. Buckle. No. 896,644; Aug. 18; Sp. p. 3695; Dr. p. 794; Gaz. vol. 135; p. 1549.
- Kunzmann, J. (See Zahnter and Kunzmann.)
- Küper, F., Santiago, Chile. Journal-bearing. No. 888,101; May 19; Sp. p. 3576; Dr. p. 748; Gaz. vol. 134; p. 639.
- Kupferschmid, H., Burgdorf, Switzerland. Change-speed gearing. No. 902,090; Oct. 27; Sp. p. 4226; Dr. p. 856; Gaz. vol. 136; p. 1825.
- Kuroda, Y., Azabu, Tokyo, Japan. Snow-plow for locomotives. No. 908,281; Dec. 29; Sp. p. 6306; Gaz. vol. 137; p. 2137.
- Kurgewelt, L. F., Greenmont, S. D. Mail-bag receiver and deliverer. No. 883,547; Mar. 31; Sp. p. 6136; Dr. pp. 1304-5; Gaz. vol. 133; p. 1124.
- Kursheedt Manufacturing Company. (See Groebli, J. A., assignor.)
- Kurten, J. St. Louis, Mo. Device for cooling stereotype printing-plates. No. 907,820; Dec. 29; Sp. p. 5343; Gaz. vol. 137; p. 1984.
- Kurth, O. W., Fullerton, N. D. Device for releasing pool-table triangles. No. 895,474; Aug. 11; Sp. p. 1409; Dr. p. 296; Gaz. vol. 135; p. 1156.
- Kurtz, C. B., assignor of one-half to F. C. Bosworth, Cleveland, Ohio. Air-cooled gas-engine. No. 883,207; Mar. 31; Sp. p. 5409; Dr. p. 1152; Gaz. vol. 133; p. 1014.
- Kurtz, O., Vienna, Austria-Hungary. Piano-violin. No. 899,740; Sept. 29; Sp. p. 4943; Dr. pp. 1060-1; Gaz. vol. 136; p. 954.
- Kurz, A. W., Cleveland, Ohio. Log-loading apparatus. No. 889,934; June 9; Sp. p. 1461; Dr. pp. 331-2; Gaz. vol. 134; p. 1321.
- Kurz, C. F., Cleveland, Ohio. Drawer-cabinet. No. 888,512; May 26; Sp. p. 4369; Dr. p. 926; Gaz. vol. 134; p. 801.
- Kurz, C. F., Cleveland, Ohio. Bin-cabinet. No. 888,513; May 26; Sp. p. 4372; Dr. p. 926; Gaz. vol. 134; p. 802.
- Kurz, C. F., Cleveland, Ohio. Soda-fountain. No. 890,912; June 16; Sp. p. 3489; Dr. p. 765; Gaz. vol. 134; p. 1675.
- Kurz, C. F., Cleveland, Ohio. Display-case. No. 904,621; Nov. 24; Sp. p. 4280; Gaz. vol. 137; p. 779.
- Kurz, C. F., Cleveland, Ohio. Bin-cabinet. No. 904,622; Nov. 24; Sp. p. 4282; Gaz. vol. 137; p. 780.
- Kurz, O., assignor, by mesne assignments, to Sturgis Steel Go-Cart Company, Sturgis, Mich. Go-cart. No. 882,895; Mar. 24; Sp. p. 4784; Dr. p. 1018; Gaz. vol. 133; p. 880.
- Kuss, J. (See Bengston, C. A., assignor.)
- Kuss, W., Three Rivers, Mass. Hand-vice. No. 887,661; May 12; Sp. p. 2696; Dr. p. 570; Gaz. vol. 134; p. 464.
- Kuster, F. E. (See Weisbrod, J., assignor.)
- Kuster, F. E., Cedar town, Ga. Paper-box machine. No. 887,820; May 19; Sp. p. 3020; Dr. pp. 635-6; Gaz. vol. 134; p. 548.
- Kutz, G., assignor of one-half to E. O. Hartzell, Easton, Pa. Incubator. No. 898,229; Sept. 8; Sp. p. 2032; Dr. p. 431; Gaz. vol. 136; p. 350.
- Kuze, M., New York, N. Y. Sleeve-holder. No. 894,670; July 28; Sp. p. 4774; Dr. p. 991; Gaz. vol. 135; p. 833.
- Kuzel, A., Cleveland, Ohio. Electric signal for railways. No. 886,993; May 5; Sp. p. 1295; Dr. p. 273; Gaz. vol. 134; p. 216.
- Kuzel, H., Baden, near Vienna, Austria-Hungary. Electric incandescent lamp. No. 886,821; May 5; Sp. p. 991; Dr. p. 208; Gaz. vol. 134; p. 162.
- Kuzel, H., Baden, near Vienna, Austria-Hungary. Filament for electric incandescent lamps and making the same. No. 896,060; Aug. 11; Sp. p. 2560; Gaz. vol. 135; p. 1340.
- Kuzel, H., Baden, near Vienna, Austria-Hungary. Metal filament for electric incandescent lamps. No. 898,752; Sept. 15; Sp. p. 3028; Dr. p. 649; Gaz. vol. 136; p. 551.
- Kuzel, H., Baden, near Vienna, Austria-Hungary. Electrically connecting filaments to supply-wires in electric glow-lamps. No. 898,979; Sept. 15; Sp. p. 3433; Gaz. vol. 136; p. 625.
- Kuzel, H., Baden, near Vienna, Austria-Hungary. Peptisating colloidal elements. No. 899,875; Sept. 29; Sp. p. 5246; Gaz. vol. 136; p. 980.
- Kuzel, H., Baden, near Vienna, and R. Hoke, Vienna, Austria-Hungary; said Hoke assignor to said Kuzel. Electric incandescent lamp. No. 897,119; Aug. 25; Sp. p. 4714; Dr. p. 1004; Gaz. vol. 135; p. 1727.
- Kuzzer, E., Dresden, Germany, assignor to Klewe & Co., Incorporated, New Haven, Conn. Brush for cleaning artificial sets of teeth. No. 890,143; June 9; Sp. p. 1896; Dr. p. 420; Gaz. vol. 134; p. 1393.
- Kyle, A., assignor to J. Kyle, Philadelphia, Pa. Register-hook. No. 901,110; Oct. 13; Sp. p. 2183; Dr. p. 443; Gaz. vol. 136; p. 1439.
- Kyle, A. I. D., Aberdeen, S. D. Heater. No. 896,554; Aug. 18; Sp. p. 3541; Dr. p. 760; Gaz. vol. 135; p. 1521.
- Kyle, D. M., Chicago, Ill. Power-transmitting mechanism. No. 907,510; Dec. 22; Sp. p. 4662; Gaz. vol. 137; p. 1852.
- Kyle, J. (See Kyle, A., assignor.)
- Kyle, J. P., et al. (See Payne and Wallace, assignors.)
- Kyle, J. W., Chicago, Ill. Oil-cup. No. 878,808; Feb. 11; Sp. p. 1933; Dr. p. 400; Gaz. vol. 132; p. 1184.
- Kyle, N. W., Colfax, Ill. Mouth-speculum. No. 886,522; May 5; Sp. p. 357; Dr. p. 74; Gaz. vol. 134; p. 65.
- Kyle, W. O., Midvale, Ohio. Metallic tie and rail-fastener. No. 906,900; Dec. 15; Sp. p. 3450; Gaz. vol. 137; p. 1615.
- Kyser, C. F., Saranac, Mich. Fence-post mold. No. 884,502; Apr. 14; Sp. p. 1691; Dr. p. 363; Gaz. vol. 133; p. 1491.

Alphabetical list of patentees—Continued.

- L. Wolff Manufacturing Company. (See Gavin, J. H., assignor.)
 L. C. Smitt & Bros. Typewriter Company. (See Gabrielson and Stearns, assignors.)
 L. E. Knott Apparatus Company. (See Blatter, U., assignor.)
 L. E. Knott Apparatus Company. (See Knott, L. E., assignor.)
 L. S. Starrett Co. (See Starrett and Adell, assignors.)
 La Batt, H. C., assignor to W. J. Herrick, Chicago, Ill. Sheet-feeding machine. No. 899,995; Sept. 29, Sp. p. 5495; Dr. pp. 1170-2; Gaz. vol. 136; p. 1018.
 La Bau, C. T., Indianapolis, Ind. Can-stacker. No. 898,534; Sept. 15; Sp. p. 2707; Dr. p. 578; Gaz. vol. 136; p. 497.
 La Baue, O. J., Edna, Tex. Crate or coop. No. 908,283; Dec. 29; Sp. p. 6308; Gaz. vol. 137; p. 2137.
 La Belle, F. B., Salt Lake City, Utah. Transom-lift. No. 905,887; Dec. 8; Sp. p. 1528; Gaz. vol. 137; p. 1265.
 La Berge, M. E., assignor to Murray's Patent Fixture Company, Los Angeles, Cal. Bracket-support. No. 884,503; Apr. 14; Sp. p. 1692; Dr. p. 363; Gaz. vol. 133; p. 1491.
 La Brake, M. J., Bloomington, Ind. Assignor of one-half to J. Q. King, Gabriels, N. Y. Horse-detacher. No. 899,223; Sept. 22; Sp. p. 3909; Dr. p. 835; Gaz. vol. 136; p. 732.
 La Clare, C. C., Pittsburg, Pa. Eaves-trough hanger. No. 894,019; July 21; Sp. p. 3437; Dr. p. 702; Gaz. vol. 135; p. 598.
 La Crosse Steel Roofing & Corrugating Company. (See Heggy, J. J., assignor.)
 La Dow, C., deceased, Albany, N. Y.; R. A. La Dow, executrix. Clamp applicable to fastening the teeth of harrows and other agricultural implements. No. 895,475; Aug. 11; Sp. p. 1412; Dr. p. 296; Gaz. vol. 135; p. 1156.
 La Dow, R. A., executrix. (See La Dow, C.)
 La Fave, J. H., Defiance, Ohio. Metallic barrel. No. 876,563; Jan. 14; Sp. p. 1789; Dr. p. 390; Gaz. vol. 132; p. 323.
 La Follette, C. F., assignor of one-half to W. D. Brookings, Highland, Cal. Rotating woodworking-cutter. No. 901,626; Oct. 20; Sp. p. 3262; Dr. p. 669; Gaz. vol. 136; p. 1644.
 La Har, E. A., Forestville, assignor to J. B. Smith, New Britain, Conn. Spark-plug for explosion-engines. No. 886,523; May 5; Sp. p. 359; Dr. p. 74; Gaz. vol. 134; p. 66.
 La Jord, T. M., assignor to S. S. Hampton, New York, N. Y. Shield for mouthpieces of telephones. No. 905,330; Dec. 1; Sp. p. 392; Gaz. vol. 137; p. 1051.
 La Madeleine, J. O., Montreal, Quebec, Canada. Refrigerator. No. 898,231; Sept. 8; Sp. p. 2038; Dr. p. 432; Gaz. vol. 136; p. 351.
 La Marche, A., Toledo, Ohio. Barrel-head. No. 883,812; Apr. 7; Sp. p. 278; Dr. p. 50; Gaz. vol. 133; p. 1237.
 La May, F. B., assignor to American Chemical Manufacturing & Mining Company, Rochester, N. Y. Powder-blower. No. 876,362; Jan. 14; Sp. p. 1342; Dr. p. 291; Gaz. vol. 132; p. 254.
 La May, F. B., assignor to American Chemical Manufacturing & Mining Company, Rochester, N. Y. Powder-blower. No. 907,376; Dec. 22; Sp. p. 4387; Gaz. vol. 137; p. 1806.
 "La Piombiera," Società Anonima Italiana per l'Industria del Piombo e Generi Affini. (See Mereta, G., assignor.)
 La Plant, C. (See Atterbury and La Plant.)
 La Plant, H. E., Kennett, Cal. Sewing-machine. No. 880,890; Mar. 3; Sp. p. 830; Dr. p. 176; Gaz. vol. 133; p. 139.
 La Rocque, J. E., Nominique, Quebec, Canada. Air-brake hose-coupling. No. 883,814; Apr. 7; Sp. p. 282; Dr. p. 52; Gaz. vol. 133; p. 1238.
 La Rocque, P. R. (See Parent, L. P., assignor.)
 La Rue, C., New York, N. Y. Device for filing papers and cards. No. 875,829; Jan. 7; Sp. p. 285; Dr. p. 62; Gaz. vol. 132; p. 53.
 La Rue, M. E., Richmond, Ky. Curtain-ring. No. 885,932; Apr. 28; Sp. p. 4668; Dr. p. 984; Gaz. vol. 133; p. 2018.
 La Rue, W. L., Pittsfield, Mass. Molding-machine. No. 897,114; Aug. 25; Sp. p. 4721; Dr. p. 1006; Gaz. vol. 135; p. 1729.
 La Salle Machine & Tool Company. (See Matthews, R. C., assignor.)
 La Société Anonyme des Anciens Etablissements Panhard et Levassor. (See Krebs, A. C., assignor.)
 La Société d'Exploitation de Procédés Evaporatoires (Système Prache et Bonillon), Paris, France. (See Prache, C., assignor.)
 La Société L'Acétylène dissous du Sud-Est. (See Le Chatelier, A. G., assignor.)
 La Société "La Sténophile Bivort." (See Duchesne, R., assignor.)
 La Société pour l'Utilisation de l'Air et de ses Dérivés. (See Méker, A. G., assignor.)
 La Tremouille, G. (See La Tremouille, D. and G.)
 La Tremouille, D. and G., Oswego, N. Y. Envelop. No. 892,858; July 7; Sp. p. 933; Dr. p. 197; Gaz. vol. 135; p. 156.
 La Valette, H. de, Paris, France. Current-distributing device for igniting explosive-engines. No. 886,225; Apr. 28; Sp. p. 5238; Dr. p. 1103; Gaz. vol. 133; p. 2112.
 La Vine, H., Rochester, N. Y. Lamp. No. 907,613; Dec. 22; Sp. p. 4890; Gaz. vol. 137; p. 1885.
 Labadie, H. H. (See Schweitzer and Labadie.)
 Labadie, V., Dallas, Tex. Chafing-iron. No. 908,282; Dec. 29; Sp. p. 6307; Gaz. vol. 137; p. 2137.
 Labarre, A., Woonsocket, R. I. Tobacco-pipe. No. 905,715; Dec. 1; Sp. p. 1185; Gaz. vol. 137; p. 1176.
 Labarthe, M. B. de. (See Basset, L. P., assignor.)
 Labhardt, H., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing indoxyllic compounds. No. 891,708; June 23; Sp. p. 5136; Gaz. vol. 134; p. 1970.
 Laboish, C. S., Washington, D. C., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 885,764; Apr. 28; Sp. p. 4315; Dr. p. 905; Gaz. vol. 133; p. 1961.
 Laboish, C. S., Washington, D. C., assignor to Union Typewriter Company, Jersey City, N. J. Tabulating device for type-writers. No. 901,973; Oct. 27; Sp. p. 3978; Dr. pp. 811-12; Gaz. vol. 136; p. 1788.
 Lacey, E. M., assignor of one-half to W. Harmon, Tonawanda, N. Y. Washing-machine. No. 877,094; Jan. 21; Sp. p. 2899; Dr. p. 627; Gaz. vol. 132; p. 539.
 Lacey, J. D. (See Danner, W., assignor.)
 Lachance, M., St. Johnsbury, Vt. Rail-joint chair and fastening. No. 897,751; Sept. 1; Sp. p. 1028; Dr. p. 218; Gaz. vol. 136; p. 166.
 Lachapelle, S., assignor of one-half to G. W. Parent and G. de Werthermer, Montreal, Quebec, Canada. Thermometer. No. 878,481; Feb. 4; Sp. p. 1202; Dr. p. 248; Gaz. vol. 132; p. 1043.
 Lachat, L. E., Lyon, France. Truck or trolley with sliding steering-wheels. No. 878,733; Feb. 11; Sp. p. 1783; Dr. p. 369; Gaz. vol. 132; p. 1159.
 Lachèze, E., Dijon, France. Wrench. No. 888,336; May 19; Sp. p. 4003; Dr. p. 845; Gaz. vol. 134; p. 713.
 Lachman, J. F., Wichita, Kans. Nut-lock. No. 903,388; Nov. 10; Sp. p. 1696; Gaz. vol. 137; p. 310.
 Lachman, L. S., New York, N. Y. Electric welding-machine. No. 896,218; Aug. 18; Sp. p. 2849; Dr. p. 613; Gaz. vol. 135; p. 1412.
 Lachman, L. S., New York, N. Y. Electric welding. No. 904,891; Nov. 24; Sp. p. 4853; Gaz. vol. 137; p. 867.
 Lachman, L. S., New York, N. Y. Electric welding. No. 904,892; Nov. 24; Sp. p. 4855; Gaz. vol. 137; p. 867.
 Lachman, L. S., New York, N. Y., assignor to Standard Pulley Manufacturing Company. Electric welding. No. 904,540; Nov. 24; Sp. p. 4127; Gaz. vol. 137; p. 752.
 Lachman, M. (See Salomon and Lachman.)
 Lackawanna Steel Company. (See Vanderkloot, M. R., assignor.)
 Lackey, J. A. (See McNeese and Lackey.)
 Lackey, W. S., Haddonfield, N. J. Heddle. No. 887,102; May 12; Sp. p. 1529; Dr. p. 323; Gaz. vol. 134; p. 280.
 Lackland, S. H., St. Louis, Mo. Electromedical appliance. No. 879,777; Feb. 18; Sp. p. 3870; Dr. p. 810; Gaz. vol. 132; p. 1537.
 Lackner, F., assignor to Neely Nut & Bolt Company, Pittsburg, Pa. Nut-machine. No. 889,379; June 2; Sp. p. 378; Dr. pp. 87-90; Gaz. vol. 134; p. 1118.
 Lackner, J., Long Island City, N. Y. Souvenir-card. No. 895,771; Aug. 11; Sp. p. 1989; Dr. p. 421; Gaz. vol. 135; p. 1246.
 Laclede Manufacturing Company. (See Allison, J. E., assignor.)
 Lacomme, G., assignor of one-half to E. C. Eustace, New York, N. Y. Mount for amusement race-tracks. No. 876,976; Jan. 21; Sp. p. 2647; Dr. p. 575; Gaz. vol. 132; p. 499.
 Lacomme, G., assignor of one-half to E. C. Eustace, New York, N. Y. Amusement-walk. No. 879,275; Feb. 18; Sp. p. 2824; Dr. p. 592; Gaz. vol. 132; p. 1374.
 Lacomme, G., assignor of one-half to E. C. Eustace, New York, N. Y. Amusement apparatus. No. 880,673; Mar. 3; Sp. p. 366; Dr. p. 80; Gaz. vol. 133; p. 64.
 Lacomme, G., assignor of one-half to E. Joseph, New York, N. Y. Scenic railway. No. 884,594; Apr. 14; Sp. p. 1883; Dr. p. 403; Gaz. vol. 133; p. 1522.
 Laconia Car Company Works. (See Gero, D. W., assignor.)
 Lacroix, J. D., New Orleans, La., assignor to E. H. Davis, New York, N. Y. Bunch shaping, compressing, and conveying mechanism for cigar-machines. No. 901,625; Oct. 20; Sp. p. 3258; Dr. pp. 668-9; Gaz. vol. 136; p. 1644.
 Lacroix, J. W., assignor of one-half to B. D. Armour, Providence, R. I. Machine for covering board-winders. No. 892,597; July 7; Sp. p. 389; Dr. p. 86; Gaz. vol. 135; p. 72.
 Lacy, B. F., Pekin, Ill. Abdominal-supporter and truss. No. 887,200; May 12; Sp. p. 1692; Dr. p. 360; Gaz. vol. 134; p. 310.
 Lacy, H., Carshalton, England. Propelled torpedo. No. 895,870; Aug. 11; Sp. p. 2192; Dr. pp. 466-7; Gaz. vol. 135; p. 1278.
 Lacy Manufacturing Company. (See French, J. R., assignor.)
 Lacy, W. S., Des Moines, Iowa. Vending device. No. 893,174; July 14; Sp. p. 1595; Dr. p. 338; Gaz. vol. 135; p. 290.

Alphabetical list of patentees—Continued.

- Ladd, B. B., assignor of one-half to J. G. Thompson, Tualatin, Oreg. Bonding-clamp. No. 895,646; Aug. 11; Sp. p. 1733; Dr. p. 367; Gaz. vol. 135; p. 1206.
- Ladd, C. C. (See Krause, A. F., assignor.)
- Ladd, E. W., Washington, D. C. Garment-hook. No. 892,855; July 7; Sp. p. 925; Dr. p. 196; Gaz. vol. 135; p. 155.
- Ladd, E. W., Washington, D. C. Egg-beater. No. 892,856; July 7; Sp. p. 927; Dr. p. 196; Gaz. vol. 135; p. 155.
- Ladd, F. B. (See Bowman and Harmeyer, assignors.)
- Ladd, J. B. (See Prosser and Ladd.)
- Ladd, J. B., and D. Baker, Haverford, Pa. Casting-machine. No. 905,194; Dec. 1; Sp. p. 145; Gaz. vol. 137; p. 1007.
- Ladd, J. P., Detroit, Mich. Gate-valve. No. 880,674; Mar. 3; Sp. p. 367; Dr. p. 81; Gaz. vol. 133; p. 65.
- Ladd, S. W., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 893,331; July 14; Sp. p. 1895; Dr. p. 396; Gaz. vol. 135; p. 341.
- Ladd, S. W., assignor to S. W. Winslow, trustee, Beverly, Mass. Buffing-machine. No. 901,933; Oct. 20; Sp. p. 3889; Dr. p. 794; Gaz. vol. 136; p. 1745.
- Ladner, T. C., *et al.* (See Skerman, W., assignor.)
- Ladoff, I., Cleveland, Ohio, assignor of six-twentieths to P. C. Peck, New York, N. Y. Pencil and apparatus for producing the arc-light. No. 896,397; Aug. 18; Sp. p. 3215; Dr. p. 690; Gaz. vol. 135; p. 1469.
- Laechle, W. C., Chicago, Ill. Burial-vault. No. 877,095; Jan. 21; Sp. p. 2900; Dr. p. 627; Gaz. vol. 132; p. 539.
- Laelle, W. H., Boston, Mass. Power-shipping mechanism. No. 891,267; June 23; Sp. p. 4212; Dr. p. 921; Gaz. vol. 134; p. 1823.
- Laffargue Co. (See Kiefer, H. J., assignor.)
- Lafferty, H. C., New Castle, Pa. Dust-guard. No. 886,822; May 5; Sp. p. 992; Dr. p. 208; Gaz. vol. 134; p. 162.
- Lafin, F. S., Sears, Ill. Attachment for mowing-machines. No. 877,652; Jan. 28; Sp. p. 4032; Dr. p. 871; Gaz. vol. 132; p. 743.
- Lafin, S. C., assignor to American Optical Company, Southbridge, Mass. Bridge for eyeglasses. No. 897,463; Sept. 1; Sp. p. 469; Dr. p. 100; Gaz. vol. 136; p. 74.
- Lafon, N., Red Jacket, W. Va. Street or roadway structure. No. 880,312; Feb. 25; Sp. p. 4993; Dr. p. 1054; Gaz. vol. 132; p. 1747.
- Lafond, E. J., Bristol, N. H. Shoe. No. 901,353; Oct. 20; Sp. p. 2666; Dr. p. 546; Gaz. vol. 136; p. 1553.
- Lafond, H. S., New York, N. Y. Sign-displaying device. No. 902,496; Oct. 27; Sp. p. 5096; Dr. p. 1032; Gaz. vol. 136; p. 1959.
- Lafont, R. S., Richmond, Va. Manuscript-holder. No. 875,828; Jan. 7; Sp. p. 284; Dr. p. 62; Gaz. vol. 132; p. 53.
- Lager, C., Baldwinville, N. Y. Multistage centrifugal pump. No. 890,662; June 16; Sp. p. 2977; Dr. pp. 652-3; Gaz. vol. 134; p. 1594.
- Lager, C., Baldwinville, N. Y. High-lift centrifugal pump. No. 897,469; Sept. 1; Sp. p. 470; Dr. p. 100; Gaz. vol. 136; p. 75.
- Lagergren, J. E., assignor, by mesne assignments, to Ikongraph Company of America, New York, N. Y. Moving-picture machine. No. 877,346; Jan. 21; Sp. p. 3409; Dr. pp. 739-40; Gaz. vol. 132; p. 622.
- Lagergren, J. T., New York, N. Y. Shaft-bearing. No. 903,872; Nov. 17; Sp. p. 2712; Gaz. vol. 137; p. 500.
- Lageson, A. H., Mabel, Minn. Package-tie. No. 900,746; Oct. 13; Sp. p. 1440; Dr. p. 292; Gaz. vol. 136; p. 1321.
- Lagna-Rietta, L., Turin, Italy. Automatic ejector and ventilator. No. 894,671; July 28; Sp. p. 4775; Dr. pp. 991-2; Gaz. vol. 135; p. 833.
- Lagonda Manufacturing Company. (See Weinland, H. F., assignor.)
- Lahl, E., San Francisco, Cal. Nail-pick-up device. No. 882,698; Mar. 24; Sp. p. 4381; Dr. p. 932; Gaz. vol. 133; p. 818.
- Lahr, E. G., *et al.* (See Squires, A. C., assignor.)
- Lahue, M. M., Lowell, Mass. Milk-pail. No. 905,716; Dec. 1; Sp. p. 1187; Gaz. vol. 137; p. 1177.
- Laidlaw, A. J., Red Wing, Minn. Baling-press. No. 880,800; Mar. 3; Sp. p. 631; Dr. p. 132; Gaz. vol. 133; p. 109.
- Laing, R., Radcliffe, England. Machine for pressing lines or designs into rollers. No. 878,071; Feb. 4; Sp. p. 364; Dr. p. 75; Gaz. vol. 132; p. 907.
- Laird, C. W., Memphis, N. Y. Horseshoe. No. 899,417; Sept. 22; Sp. p. 4276; Dr. p. 917; Gaz. vol. 136; p. 793.
- Laird, E. C., Richmond, Va., assignor of one-half to S. B. Bedinger, Terrell, Tex. Holder for paper bags and other articles. No. 893,524; July 14; Sp. p. 2302; Dr. p. 483; Gaz. vol. 135; p. 404.
- Laird, J. F. (See Porter, Laird, and Geilfuss.)
- Laird, W. G., assignor to Improved Equipment Company, New York, N. Y. Gas-retort collar. No. 888,622; May 26; Sp. p. 4611; Dr. pp. 978-9; Gaz. vol. 134; p. 842.
- Laird, W. H. (See Clark, C. H., assignor.)
- Laist, F., Butte, Mont. Copper-leaching process. No. 903,732; Nov. 10; Sp. p. 2386; Gaz. vol. 137; p. 420.
- Laitner, B. G. A., Detroit, Mich. Flexible brush. No. 883,548; Mar. 31; Sp. p. 6140; Dr. p. 1305; Gaz. vol. 133; p. 1124.
- Lake, A. (See Filtz and Lake.)
- Lake, C. O., Shreve, Ohio. Gas-engine. No. 898,230; Sept. 8; Sp. p. 2034; Dr. p. 432; Gaz. vol. 136; p. 351.
- Lake, E. J., Kansas City, Mo. Cigar-forming machine. No. 896,219; Aug. 18; Sp. p. 2852; Dr. p. 614; Gaz. vol. 135; p. 1412.
- Lake, R. H., Washington, D. C. Mechanical ball-thrower. No. 884,024; Apr. 7; Sp. p. 720; Dr. p. 146; Gaz. vol. 133; p. 1308.
- Lake, S., Berlin, Germany. Torpedo-boat. No. 876,564; Jan. 14; Sp. p. 1790; Dr. pp. 390-1; Gaz. vol. 132; p. 323.
- Lake, S., Berlin, Germany. Heat-engine. No. 880,744; Mar. 3; Sp. p. 516; Dr. pp. 106-9; Gaz. vol. 133; p. 89.
- Lake, S., Bridgeport, Conn. Dredging apparatus. No. 885,930; Apr. 28; Sp. p. 4661; Dr. pp. 982-3; Gaz. vol. 133; p. 2017.
- Lake, S., Bridgeport, Conn. Air-ship. No. 889,093; June 2; Sp. p. 989; Dr. pp. 228-30; Gaz. vol. 134; p. 1218.
- Lake, S., Bridgeport, Conn. Storage battery. No. 902,975; Nov. 3; Sp. p. 882; Gaz. vol. 137; p. 147.
- Lake, S., Bridgeport, Conn. Raising sunken vessels. No. 908,016; Dec. 29; Sp. p. 5759; Gaz. vol. 137; p. 2047.
- Lakewood Caster Co. *et al.* (See Humphrey, E. H., assignor.)
- Lakin, A. R., New York, N. Y. Fitting for electric conduits. No. 883,549; Mar. 31; Sp. p. 6141; Dr. p. 1305; Gaz. vol. 133; p. 1124.
- Laking, J. T., *et al.* (See Craig, J. C., assignor.)
- Lalau, F., assignor to Compagnie des Bouchages Hermétiques Simplex, Paris, France. Closure for receptacles. No. 886,994; May 5; Sp. p. 1297; Dr. p. 273; Gaz. vol. 134; p. 216.
- Lally, J., Boston, Mass. Column. No. 901,453; Oct. 20; Sp. p. 2912; Dr. p. 593; Gaz. vol. 136; p. 1588.
- Lally, J., Boston, Mass. Column. No. 905,888; Dec. 8; Sp. p. 1529; Gaz. vol. 137; p. 1265.
- Lally, J. T., Wilmington, Del. Bottle and holder for chemical-engines. No. 890,286; June 9; Sp. p. 2218; Dr. p. 488; Gaz. vol. 134; p. 1439.
- Lamar, G. F. C. (See Meyer and Lamar.)
- Lamb, A. G., assignor to Excelsior Needle Company, Torrington, Conn. Ruffler attachment for sewing-machines. No. 882,323; Mar. 17; Sp. p. 3672; Dr. p. 780; Gaz. vol. 133; p. 662.
- Lamb, A. H., Elbon, Pa. Music-leaf turner. No. 887,334; May 12; Sp. p. 2043; Dr. p. 427; Gaz. vol. 134; p. 357.
- Lamb, E. E., East St. Louis, Ill. Cattle-lander. No. 880,146; Feb. 25; Sp. p. 4656; Dr. p. 982; Gaz. vol. 132; p. 1690.
- Lamb, J. F., assignor to Landers, Frary and Clark, New Britain, Conn. Knife-holder for grinding and glazing machines. No. 891,177; June 16; Sp. p. 4005; Dr. p. 879; Gaz. vol. 134; p. 1761.
- Lamb Knitting Machine Co. (See Parker, C. W., assignor.)
- Lamb, M. M., Eagleville, Tenn. Farm-gate. No. 891,348; June 23; Sp. p. 4339; Dr. p. 955; Gaz. vol. 134; p. 1851.
- Lamb, R. (See Selvey, W., assignor.)
- Lamb, R. L., and E. M. Tilden, Washington, D. C. Hand-stamp. No. 880,225; Feb. 25; Sp. p. 4831; Dr. p. 1022; Gaz. vol. 132; p. 1719.
- Lamb, T. F., Newark, Ohio. Bottle receiving and handling device. No. 892,433; July 7; Sp. p. 79; Dr. p. 19; Gaz. vol. 135; p. 18.
- Lamb, W. R., Bowie, Tex. Bur-cotton thresher, cleaner, and storage unloader. No. 884,671; Apr. 14; Sp. p. 2067; Dr. p. 442; Gaz. vol. 133; p. 1547.
- Lamberger, H., Leipzig, Germany. Method of and apparatus for removing superfluous bronze. No. 885,491; Apr. 21; Sp. p. 3732; Dr. p. 785; Gaz. vol. 133; p. 1845.
- Lamberson, O. E., Hazleton, Pa. Sash-lock. No. 888,911; May 26; Sp. p. 5234; Dr. p. 1110; Gaz. vol. 134; p. 937.
- Lambert, A., Newark, N. J. Fall-rope carrier. No. 890,072; June 9; Sp. p. 1760; Dr. p. 389; Gaz. vol. 134; p. 1369.
- Lambert, A., Newark, N. J. Fall-rope carrier. No. 890,073; June 9; Sp. p. 1762; Dr. p. 390; Gaz. vol. 134; p. 1370.
- Lambert, A., Newark, N. J. Fall-rope carrier. No. 890,663; June 16; Sp. p. 2980; Dr. p. 653; Gaz. vol. 134; p. 1595.
- Lambert, G. A., Anderson, Ind. Vehicle shaft or thill. No. 900,288; Oct. 6; Sp. p. 466; Dr. p. 96; Gaz. vol. 136; p. 1145.
- Lambert, H. B., North Pelham, assignor of one-half to M. Harris, New York, N. Y. Aluminum solder. No. 906,637; Dec. 15; Sp. p. 2940; Gaz. vol. 137; p. 1531.
- Lambert, H. M., Portland, Oreg. Water-elevator. No. 885,931; Apr. 28; Sp. p. 4666; Dr. p. 983; Gaz. vol. 133; p. 2017.
- Lambert, J. J., *et al.* (See Loomis, H. T., assignor.)
- Lambert, J. W., Anderson, Ind. Friction driving mechanism for automobiles. No. 877,438; Jan. 21; Sp. p. 3592; Dr. p. 778; Gaz. vol. 132; p. 653.
- Lambert, J. W., St. Louis, Mo. Wrapping-sheet. No. 881,011; Mar. 3; Sp. p. 1047; Dr. p. 226; Gaz. vol. 133; p. 178.
- Lambert, J. W., assignor to Buckeye Manufacturing Company, Anderson, Ind. Transmission-gear for automobiles. No. 878,072; Feb. 4; Sp. p. 365; Dr. pp. 75-6; Gaz. vol. 132; p. 903.
- Lambert, T. E., Butte, Mont. Smoke-purifier and fume-arrester. No. 889,694; June 2; Sp. p. 998; Dr. p. 230; Gaz. vol. 134; p. 1218.
- Lambert, W., North Yakima, and E. P. Dopps, Sunnyside, Wash. Spring-drawer. No. 905,544; Dec. 1; Sp. p. 880; Gaz. vol. 137; p. 1124.

Alphabetical list of patentees—Continued.

- Lamberton, A., Coatbridge, Scotland. Rolling plates. No. 898,900; Sept. 15; Sp. p. 3297; Dr. p. 706; Gaz. vol. 136; p. 599.
- Lamberton, A., Coatbridge, Scotland. Rolling plates. No. 898,901; Sept. 15; Sp. p. 3298; Dr. pp. 706-7; Gaz. vol. 136; p. 600.
- Lambertson, C. E., assignor to St. Louis Malleable Casting Company, St. Louis, Mo. Molding-machine. No. 877,783; Jan. 28; Sp. p. 4269; Dr. pp. 927-8; Gaz. vol. 132; p. 784.
- Lambie, R. C., *et al.* (See Messer, J. C., assignor.)
- Lambie, R. C., Austin, Tex. Churn and freezer. No. 888,623; May 26; Sp. p. 4614; Dr. p. 979; Gaz. vol. 134; p. 842.
- Lambright, G., Rutherford, N. Y., assignor of one-half to F. A. Magowan, New York, N. Y. Vehicle-tire. No. 902,824; Nov. 3; Sp. p. 574; Gaz. vol. 137; p. 98.
- Lamme, B. G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Armature-winding for high-speed dynamo-electric machines. No. 885,163; Apr. 21; Sp. p. 3076; Dr. p. 646; Gaz. vol. 133; p. 1738.
- Lamme, B. G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Armature-winding for electrical machines. No. 888,514; May 26; Sp. p. 4374; Dr. p. 927; Gaz. vol. 134; p. 803.
- Lamme, B. G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of operating and system of control for electrical generators. No. 888,912; May 26; Sp. p. 5235; Dr. p. 1110; Gaz. vol. 134; p. 937.
- Lamme, B. G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control for electric motors. No. 900,289; Oct. 6; Sp. p. 468; Dr. pp. 96-7; Gaz. vol. 135; p. 1146.
- Lamme, B. G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controlling system for electric motors. No. 900,555; Oct. 6; Sp. p. 1043; Dr. p. 214; Gaz. vol. 136; p. 1232.
- Lamme, B. G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil-support for dynamo-electric machinery. No. 905,889; Dec. 8; Sp. p. 1532; Gaz. vol. 137; p. 1265.
- Lamme, B. G., and N. W. Storer, Pittsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electric locomotive. No. 896,220; Aug. 18; Sp. p. 2856; Dr. p. 615; Gaz. vol. 135; p. 1413.
- Lamme, E. B., and E. Ketterer, Bozeman, Mont. Stone-gathering machine. No. 891,709; June 23; Sp. p. 5137; Dr. pp. 1109-10; Gaz. vol. 134; p. 1970.
- Lammer, L., New York, N. Y. Dispensing-cabinet. No. 886,823; May 5; Sp. p. 993; Dr. p. 209; Gaz. vol. 134; p. 162.
- Lammers, G. C., Oakland, and S. Bennett, Alameda, Cal. Electrocosmetic face-mask. No. 887,482; May 12; Sp. p. 2358; Dr. p. 495; Gaz. vol. 134; p. 406.
- Lamoitié, E. M., Milan, Italy. Apparatus for removing the contents from cans. No. 906,037; Dec. 8; Sp. p. 1817; Gaz. vol. 137; p. 1312.
- Lamon, D., Denver, Colo. Improving the physical properties of metals and their alloys. No. 892,269; June 30; Sp. p. 6250; Gaz. vol. 134; p. 2186.
- Lamont, J. A., Montreal, Quebec, Canada, assignor to Simplex Railway Appliance Company, Chicago, Ill. Locking device. No. 889,138; May 26; Sp. p. 5673; Dr. p. 1201; Gaz. vol. 134; p. 1008.
- Lamort, M., Paris, France. Filter or screening-machine. No. 890,864; June 16; Sp. p. 3391; Dr. pp. 743-4; Gaz. vol. 134; p. 1661.
- Lamp, H. W., Madison, Wis. Clothes-drier. No. 904,970; Nov. 24; Sp. p. 5023; Gaz. vol. 137; p. 896.
- Lamp, J. A., McKeesport, Pa. Folding box or crate. No. 891,082; June 16; Sp. p. 3837; Dr. p. 838; Gaz. vol. 134; p. 1732.
- Lampert, B. M., Cedar Bluffs, Nebr. Telephone-bracket. No. 903,733; Nov. 10; Sp. p. 2387; Gaz. vol. 137; p. 420.
- Lamping, C., St. Joseph, Mich. Garment-holder. No. 891,083; June 16; Sp. p. 3838; Dr. p. 839; Gaz. vol. 134; p. 1732.
- Lamprecht, W. G. (See Reid, W. H., assignor.)
- Lampson, R. E. L., Jamestown, Cal. Battery screen-frame for quartz-mills. No. 889,380; June 2; Sp. p. 381; Dr. p. 90; Gaz. vol. 134; p. 1118.
- Lamson Consolidated Store Service Company. (See Litchfield, I. W., assignor.)
- Lamson Consolidated Store Service Company. (See McCormick, C. W., assignor.)
- Lamson Consolidated Store Service Company. (See Pearsall, A. W., assignor.)
- Lamson, J. D. R., Toledo, Ohio. Pencil. No. 903,873; Nov. 17; Sp. p. 2713; Gaz. vol. 137; p. 500.
- Lamuth, J., Algona, Iowa. Belt for stackers, self-feeders, and the like. No. 887,948; May 19; Sp. p. 3277; Dr. p. 689; Gaz. vol. 134; p. 590.
- Lancaster Automatic Railway Crossing Company. (See Lancaster, G. W., assignor.)
- Lancaster, C. M., Traverse City, Mich. Package-tie. No. 902,091; Oct. 27; Sp. p. 4227; Dr. p. 856; Gaz. vol. 136; p. 1825.
- Lancaster, G. W., Richmond, Va. Device for automatically stopping trains. No. 892,270; June 30; Sp. p. 6251; Dr. pp. 1345-6; Gaz. vol. 134; p. 2186.
- Lancaster, G. W., Richmond, Va. Electrical device for automatically stopping trains. No. 892,271; June 30; Sp. p. 6255; Dr. p. 1346; Gaz. vol. 134; p. 2187.
- Lancaster, G. W., assignor to Lancaster Automatic Railway Crossing Company, Richmond, Va. Electrically-operated signal for railway-crossings. No. 892,857; July 7; Sp. p. 929; Dr. pp. 196-7; Gaz. vol. 135; p. 155.
- Lancaster, J. D., Lorena, Tex. Cultivator. No. 895,871; Aug. 11; Sp. p. 2195; Dr. p. 467; Gaz. vol. 135; p. 1278.
- Lancaster, W. E., and T. C. Nichols, Quincy, Ill. Device for marking tennis-courts, &c. No. 892,962; July 7; Sp. p. 1149; Dr. p. 241; Gaz. vol. 135; p. 193.
- Lancia & Co. (See Lancia, V., assignor.)
- Lancia, V., assignor to Lancia & Co., Turin, Italy. Lubricant-distributor for engines. No. 878,073; Feb. 4; Sp. p. 369; Dr. p. 76; Gaz. vol. 132; p. 908.
- Land, C. H., Detroit, Mich. Moldable mass or compound articles of manufacture formed therefrom and forming said articles of manufacture. No. 894,449; July 28; Sp. p. 4344; Dr. p. 895; Gaz. vol. 135; p. 761.
- Land, C. H., Detroit, Mich. Cement medium compound. No. 895,094; Aug. 4; Sp. p. 636; Gaz. vol. 135; p. 1000.
- Land, G., Grants Pass, Oreg. Automatic flush-tank siphon. No. 897,378; Sept. 1; Sp. p. 281; Dr. p. 57; Gaz. vol. 136; p. 42.
- Landan, K., Waterloo, Iowa. Gate. No. 876,555; Jan. 14; Sp. p. 1794; Dr. p. 391; Gaz. vol. 132; p. 324.
- Landau, D., San Francisco, Cal. Pipe-coupling. No. 879,880; Feb. 25; Sp. p. 4112; Dr. p. 863; Gaz. vol. 132; p. 1603.
- Landau, D., San Francisco, Cal. Siphon. No. 891,179; June 16; Sp. p. 4010; Dr. p. 880; Gaz. vol. 134; p. 1761.
- Landau, D., San Francisco, Cal. Street-printing machine. No. 894,961; Aug. 4; Sp. p. 371; Dr. p. 75; Gaz. vol. 135; p. 955.
- Landau, D., assignor to Landau Economic Syphon Company, San Francisco, Cal. Siphon-bottle. No. 881,420; Mar. 10; Sp. p. 1851; Dr. p. 402; Gaz. vol. 133; p. 339.
- Landau, D., assignor to Landau Economic Syphon Company, San Francisco, Cal. Siphon. No. 893,850; July 21; Sp. p. 3079; Dr. pp. 629-30; Gaz. vol. 135; p. 542.
- Landau Economic Syphon Company. (See Landau, D., assignor.)
- Landau Economic Syphon Company. (See Martin, J., assignor.)
- Landberg, F. E., McCook, Nebr. Transmission-gear. No. 892,744; July 7; Sp. p. 698; Dr. p. 147; Gaz. vol. 135; p. 120.
- Landers, Frary and Clark. (See Garrigus and Spellman, assignors.)
- Landers, Frary and Clark. (See Lamb, J. F., assignor.)
- Landers, Frary and Clark. (See Warner, A. A., assignor.)
- Landers, G. H., Boise, Idaho. Miner's knife. No. 883,648; Mar. 31; Sp. p. 6330; Dr. p. 1348; Gaz. vol. 133; p. 1155.
- Landers, H. (See Schirmacher and Landers.)
- Landes, D. W., assignor to F. E. Landes, Boise, and E. E. Sims, Meridian, Idaho. Gun-cleaner. No. 876,276; Jan. 7; Sp. p. 1155; Dr. p. 251; Gaz. vol. 132; p. 194.
- Landes, F. E., *et al.* (See Landes, D. W., assignor.)
- Landfield, H. M., New York, N. Y. Knee-rest. No. 878,008; Feb. 4; Sp. p. 222; Dr. p. 48; Gaz. vol. 132; p. 887.
- Landgraf, F. K., Bridgeville, and W. L. Turner, Pittsburg, Pa. Testing-machine. No. 902,497; Oct. 27; Sp. p. 5099; Dr. pp. 1032-3; Gaz. vol. 136; p. 1960.
- Landholm, V., Westpoint, Nebr. Loader. No. 878,641; Feb. 11; Sp. p. 1613; Dr. p. 329; Gaz. vol. 132; p. 1130.
- Landholm, V., Westpoint, Nebr. Attachment for traction-engines. No. 878,642; Feb. 11; Sp. p. 1615; Dr. p. 329; Gaz. vol. 132; p. 1130.
- Landholm, V., Westpoint, Nebr. Fence-making device. No. 886,376; May 5; Sp. p. 67; Dr. pp. 13-14; Gaz. vol. 134; p. 16.
- Landis, A. B., Waynesboro, Pa. Grinding-machine. No. 879,276; Feb. 18; Sp. p. 2825; Dr. p. 592; Gaz. vol. 132; p. 1374.
- Landis, A. B., Waynesboro, Pa. Grinding-machine. No. 879,277; Feb. 18; Sp. p. 2828; Dr. pp. 592-3; Gaz. vol. 132; p. 1875.
- Landis, A. B., Waynesboro, Pa. Grinding-machine. No. 883,649; Mar. 31; Sp. p. 6331; Dr. pp. 1349-50; Gaz. vol. 133; p. 1155.
- Landis, A. B., Waynesboro, Pa. Grinding-wheel truer for grinding-machines. No. 883,650; Mar. 31; Sp. p. 6335; Dr. p. 1350; Gaz. vol. 133; p. 1156.
- Landis, A. K., Schenckville, Pa. Mail-delivery apparatus. No. 886,995; May 5; Sp. p. 1300; Dr. p. 274; Gaz. vol. 134; p. 216.
- Landis, E. F., La Salle, N. Y. Abrading-wheel. No. 875,935; Jan. 7; Sp. p. 474; Dr. p. 102; Gaz. vol. 132; p. 85.
- Landis, E. F., La Salle, N. Y. Abrading material. No. 875,936; Jan. 7; Sp. p. 475; Dr. p. 102; Gaz. vol. 132; p. 85.
- Landis, F. F., Waynesboro, Pa. Threshing-machine. No. 882,896; Mar. 24; Sp. p. 4787; Dr. p. 1018; Gaz. vol. 133; p. 881.
- Landis, F. F., Waynesboro, Pa. Threshing-machine. No. 886,707; May 5; Sp. p. 753; Dr. p. 154; Gaz. vol. 134; p. 127.
- Landis, F. F., Waynesboro, Pa. Concave for threshing-machines. No. 892,529; July 7; Sp. p. 270; Dr. p. 58; Gaz. vol. 135; p. 50.
- Landis, F. F., Waynesboro, Pa. Winnowing-machine. No. 892,598; July 7; Sp. p. 392; Dr. p. 87; Gaz. vol. 135; p. 72.
- Landis, F. F., Waynesboro, Pa. Secondary electric clock. No. 895,772; Aug. 11; Sp. p. 1990; Dr. p. 421; Gaz. vol. 135; p. 1246.
- Landis, G. C., York, Pa. Electrolytic cell. No. 896,555; Aug. 18; Sp. p. 3541; Dr. p. 761; Gaz. vol. 135; p. 1522.
- Landis, G. C., York, Pa. Electrolytic cell. No. 897,633; Sept. 1; Sp. p. 798; Dr. p. 168; Gaz. vol. 136; p. 127.
- Landis Machine Company. (See Pedersen, C., assignor.)

Alphabetical list of patentees—Continued.

- Landon, J. M., London, England. Talking-machine. No. 893,525; July 14; Sp. p. 2304; Dr. p. 483; Gaz. vol. 135; p. 404.
- Landry, M., San Francisco, Cal. Electric heater. (Reissue.) No. 12,782; Apr. 21; Sp. p. 4185; Dr. p. 876; Gaz. vol. 133; p. 1913.
- Landry, O., New Bedford, Mass. Loom-shuttle. No. 889,381; June 2; Sp. p. 382; Dr. p. 90; Gaz. vol. 134; p. 1119.
- Lane, A. S., Chiswick, and S. Kenley, Acton, England. Measuring instrument. No. 903,484; Nov. 10; Sp. p. 1897; Gaz. vol. 137; p. 342.
- Lane, E. A., *et al.* (See Zimmerman, Stoops, and Lane, assignors.)
- Lane, F. A., Manchester, N. H. Truss. No. 905,890; Dec. 8; Sp. p. 1533; Gaz. vol. 137; p. 1266.
- Lane, F. A., assignor to D. H. Burrell & Company, Little Falls, N. Y. Prepayment vending apparatus. No. 892,434; July 7; Sp. p. 82; Dr. pp. 19-20; Gaz. vol. 135; p. 18.
- Lane, F. L., assignor to Berlin Machine Works, Beloit, Wis. Sanding-machine. No. 889,468; June 2; Sp. p. 571; Dr. pp. 133-4; Gaz. vol. 134; p. 1148.
- Lane, F. L., and B. D. Stevens, assignors to Berlin Machine Works, Beloit, Wis. Belt-tightener. No. 899,741; Sept. 29; Sp. p. 4949; Dr. p. 1061; Gaz. vol. 136; p. 934.
- Lane, H., Humboldt, Iowa. Bag-holder. No. 896,996; Aug. 25; Sp. p. 4487; Dr. p. 958; Gaz. vol. 135; p. 1689.
- Lane, H., Toledo, Ohio. Oil-can. No. 907,821; Dec. 29; Sp. p. 5344; Gaz. vol. 137; p. 1985.
- Lane, J. B., Glenwood Landing, N. Y. Automatic starting-valve. No. 902,417; Oct. 27; Sp. p. 4904; Dr. p. 993; Gaz. vol. 136; p. 1932.
- Lane, J. B., Boston, Mass. Package-carrier. No. 891,710; June 23; Sp. p. 5139; Dr. p. 1110; Gaz. vol. 134; p. 1970.
- Lane, J. H., Jackson, Mich. Woodworking-clamp. No. 887,103; May 12; Sp. p. 1530; Dr. p. 323; Gaz. vol. 134; p. 281.
- Lane, J. R., Ludington, Mich. Rack for towels. No. 891,842; June 30; Sp. p. 5421; Dr. p. 1172; Gaz. vol. 134; p. 2046.
- Lane, J. S., Brooklyn, N. Y., and J. L. Mathews, Billerica, Mass. Catamaran power-boat. No. 906,901; Dec. 15; Sp. p. 3451; Gaz. vol. 137; p. 1615.
- Lane, J. W., *et al.* (See Plummer, W. W., assignor.)
- Lane, M. L. (See Butler and Lane.)
- Lane, R. M. (See Zimmerman, Stoops, and Lane.)
- Lane, R. R., Detroit, Mich. Computing-machine. No. 895,773; Aug. 11; Sp. p. 1993; Dr. p. 421; Gaz. vol. 135; p. 1247.
- Lane, W. O., Cleveland, Ohio. Device to prevent trolley-wheels from jumping. No. 898,485; Sept. 15; Sp. p. 2513; Dr. p. 538; Gaz. vol. 136; p. 465.
- Lane, W. O., Cleveland, Ohio. Device to prevent trolley-wheels from jumping. No. 904,541; Nov. 24; Sp. p. 4130; Gaz. vol. 137; p. 733.
- Lang, A., Eden Center, N. Y. Non-slipping horseshoe. No. 884,504; Apr. 14; Sp. p. 1694; Dr. p. 364; Gaz. vol. 133; p. 1492.
- Lang, A., West Hoboken, N. J., assignor to Crompton & Knowles Loom Works. Swivel-loom. No. 888,715; May 26; Sp. p. 4797; Dr. p. 1022; Gaz. vol. 134; p. 871.
- Lang, C., Cannstatt, Germany. Lubricating-pump. No. 905,717; Dec. 1; Sp. p. 1188; Gaz. vol. 137; p. 1177.
- Lang, C. E., Erskine, Minn. Stacker. No. 884,505; Apr. 14; Sp. p. 1695; Dr. pp. 364-5; Gaz. vol. 133; p. 1492.
- Lang, E. C. (See Reed and Lang.)
- Lang, E. M., Jr., Portland, Me. Making solder-hemmed caps. No. 905,891; Dec. 8; Sp. p. 1536; Gaz. vol. 137; p. 1266.
- Lang, F., Chicago, Ill. Mandolin. No. 886,137; Apr. 23; Sp. p. 5090; Dr. p. 1068; Gaz. vol. 133; p. 2084.
- Lang, F., assignor to R. Henke, Brooklyn, and A. Vermilyea, New York, N. Y. Hand-truck. No. 887,821; May 19; Sp. p. 3027; Dr. p. 636; Gaz. vol. 134; p. 548.
- Lang, G. H., Boston, Mass. Numbering or marking machine. No. 877,653; Jan. 28; Sp. p. 4033; Dr. p. 871; Gaz. vol. 132; p. 744.
- Lang, G. R., Meadville, Pa. Tool-holder. No. 885,058; Apr. 21; Sp. p. 2844; Dr. p. 605; Gaz. vol. 133; p. 1704.
- Lang, H., assignor to Goss Printing Press Company, Chicago, Ill. Rotary folding mechanism for printing-presses. No. 899,742; Sept. 29; Sp. p. 4951; Dr. p. 1062; Gaz. vol. 136; p. 935.
- Lang, H., assignor to Goss Printing Press Company, Chicago, Ill. Rotary folding mechanism. No. 899,743; Sept. 29; Sp. p. 4954; Dr. pp. 1062-3; Gaz. vol. 136; p. 935.
- Lang, H., assignor to Goss Printing Press Company, Chicago, Ill. Rotary folding mechanism. No. 899,744; Sept. 29; Sp. p. 4957; Dr. p. 1063; Gaz. vol. 136; p. 936.
- Lang, J., Mannheim, Germany. Window-frame. No. 882,152; Mar. 17; Sp. p. 3327; Dr. pp. 708-9; Gaz. vol. 133; p. 605.
- Lang, J., Mannheim, Germany. Adjustable support for ratchet-wrenches and the like. No. 895,647; Aug. 11; Sp. p. 1735; Dr. p. 367; Gaz. vol. 135; p. 1206.
- Lang, J., Cavalier, N. D. Spark-plug. No. 895,030; Aug. 4; Sp. p. 520; Dr. p. 105; Gaz. vol. 135; p. 979.
- Lang, J. F. (See Ranz, J., assignor.)
- Lang, J. S., Boston, Mass. Burner for explosive-engines. No. 880,313; Feb. 25; Sp. p. 4995; Dr. p. 1054; Gaz. vol. 132; p. 1747.
- Lang, J. S., Boston, Mass. Incandescent igniter for gas-engines. No. 896,398; Aug. 18; Sp. p. 3216; Dr. p. 690; Gaz. vol. 135; p. 1469.
- Lang, L. A., Cleveland, Ohio. Telemotor. No. 897,907; Sept. 8; Sp. p. 1369; Dr. p. 294; Gaz. vol. 136; p. 248.
- Lang, M. J., Peoria, Ill. Corset. No. 903,204; Nov. 10; Sp. p. 1341; Gaz. vol. 137; p. 250.
- Lang, N., Vancouver, British Columbia, Canada. Automatic railway-alarm. No. 904,971; Nov. 24; Sp. p. 5024; Gaz. vol. 137; p. 896.
- Lang, P. B., Pittsburg, Pa. Cutter. No. 876,200; Jan. 7; Sp. p. 994; Dr. p. 216; Gaz. vol. 132; p. 169.
- Lang, P. G., *et al.* (See Foss, W. O., assignor.)
- Lang, W. H. (See Fillipp, G. A., assignor.)
- Langdon, D. H. (See Johnson, E. W., assignor.)
- Langdon, B. F., Utica, assignor to Savage Arms Company, Frankfort, N. Y. Firearm. No. 889,243; June 2; Sp. p. 98; Dr. pp. 22-3; Gaz. vol. 134; p. 1074.
- Langdon, L. C., *et al.* (See Dunn, J. S., assignor.)
- Langdon, S. T., Jr., *et al.* (See Dunn, J. S., assignor.)
- Lange, F. (See Goldschmidt and Lange.)
- Lange, F. A., Chicago, Ill. Washer. No. 903,991; Nov. 17; Sp. p. 2955; Gaz. vol. 137; p. 539.
- Lange, G., Chicago, Ill. Ash-sifter. No. 900,396; Oct. 6; Sp. p. 384; Dr. p. 140; Gaz. vol. 136; p. 1179.
- Lange, H. (See Johnson, G. C., assignor.)
- Lange, L., Chicago, Ill. Recovering spirits from internally-charred liquor-casks which have been once used. No. 893,253; July 14; Sp. p. 1751; Gaz. vol. 135; p. 315.
- Lange, O., Camden, N. J. Trimming attachment for looping-machines. No. 875,713; Jan. 7; Sp. p. 69; Dr. p. 15; Gaz. vol. 132; p. 15.
- Lange, P. M. H., Toledo, Ohio. Drawing-press. No. 883,813; Apr. 7; Sp. p. 279; Dr. pp. 50-1; Gaz. vol. 133; p. 1237.
- Lange, P. M. H., assignor to Toledo Machine and Tool Company, Toledo, Ohio. Friction-clutch. No. 900,397; Oct. 6; Sp. p. 686; Dr. p. 141; Gaz. vol. 136; p. 1180.
- Langen, T., Brooklyn, N. Y. Trolley-wheel. No. 890,664; June 16; Sp. p. 2981; Dr. p. 653; Gaz. vol. 134; p. 1595.
- Langenbach, A. A. (See Schlady, J. H., assignor.)
- Langenbeck, K., Washington, D. C. Decolorizing kaolin, clay, &c. No. 893,590; July 14; Sp. p. 2463; Gaz. vol. 135; p. 426.
- Langenheim, W., Duisburg, Germany. Lubricator for main bearings of centrifugal breakers. No. 891,482; June 23; Sp. p. 4660; Dr. p. 1009; Gaz. vol. 134; p. 1895.
- Langer, A., Friedrichsberg, near Berlin, Germany. Blood compound of glycerophosphate of lime and calcium. No. 884,026; Apr. 7; Sp. p. 725; Gaz. vol. 133; p. 1308.
- Langer, A., Friedrichsberg, near Berlin, assignor to K. A. Lingner, Dresden, Germany. Manufacturing blood-albumin preparations. No. 884,025; Apr. 7; Sp. p. 725; Gaz. vol. 133; p. 1308.
- Langer, F. J., *et al.* (See Brown, E. J., assignor.)
- Langer, G. L., assignor to J. Geiger, Stockton, Cal. Two-cycle motor. No. 893,738; July 21; Sp. p. 2844; Dr. pp. 584-5; Gaz. vol. 135; p. 505.
- Langer, J. F. (See Wild, L. E., assignor.)
- Langfeld Bros. & Co. (See Langfeld, J., assignor.)
- Langfeld, J., New York, N. Y., assignor to Langfeld Bros. & Co., Philadelphia, Pa. Cigar-case. No. 894,892; Aug. 4; Sp. p. 196; Dr. p. 43; Gaz. vol. 135; p. 931.
- Langfield, F. P., Pittsburg, Pa. Can for milk, &c. No. 893,254; July 14; Sp. p. 1752; Dr. p. 370; Gaz. vol. 135; p. 316.
- Langford, E., Lakewood, Ohio. Device for filling and emptying vessels. No. 905,818; Dec. 1; Sp. p. 1390; Gaz. vol. 137; p. 1211.
- Langford, W. S., Baltimore, Md. Belt-fastener. No. 896,556; Aug. 18; Sp. p. 3543; Dr. p. 761; Gaz. vol. 135; p. 1522.
- Langlan, R. T., Boston, Mass. Insulator. No. 901,627; Oct. 20; Sp. p. 3263; Dr. p. 669; Gaz. vol. 136; p. 1644.
- Langlands, D. G., Boston, Mass. Bushing. No. 907,695; Dec. 22; Sp. p. 5098; Gaz. vol. 137; p. 1913.
- Langley, F., Rouses Point, N. Y. Car-door fastener. No. 882,071; Mar. 17; Sp. p. 3194; Dr. p. 679; Gaz. vol. 133; p. 581.
- Langley, G. W., assignor of one-half to N. T. S. Dempsey, Greenbrier, Ark. Compound for tanning hides. No. 907,060; Dec. 15; Sp. p. 3733; Gaz. vol. 137; p. 1665.
- Langley, J., Stockport, England. Machine for carroting or otherwise preparing fur for felting. No. 903,992; Nov. 17; Sp. p. 2955; Gaz. vol. 137; p. 539.
- Langreder, H. F., Chicago, Ill. Dump-wagon. No. 887,404; May 12; Sp. p. 2201; Dr. p. 460; Gaz. vol. 134; p. 380.
- Langsdorf, C., New York, N. Y. Amusement apparatus. No. 886,614; May 5; Sp. p. 535; Dr. p. 114; Gaz. vol. 134; p. 95.
- Langstaff, L. G., New York, N. Y. Liquid-dispensing vessel. No. 877,509; Jan. 28; Sp. p. 3743; Dr. p. 810; Gaz. vol. 132; p. 697.
- Langstaff, L. G., New York, N. Y. Vessel for dispensing liquids. No. 901,714; Oct. 20; Sp. p. 3482; Dr. p. 704; Gaz. vol. 136; p. 1675.

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- Langstaff, R., Donora, Pa. Music-leaf turner. No. 881,807; Mar. 10; Sp. p. 2606; Dr. pp. 559-60; Gaz. vol. 133; p. 464.
- Langston, S. M., Camden, N. J. Manufacture of cellular boards. No. 878,403; Feb. 4; Sp. p. 1029; Dr. p. 208; Gaz. vol. 132; p. 1017.
- Langston, S. M., Camden, N. J. Cutter and scorer. No. 908,284; Dec. 29; Sp. p. 6310; Gaz. vol. 137; p. 2137.
- Langstroth, W., Baltimore, Md. Drafting instrument. No. 891,777; June 23; Sp. p. 5261; Dr. p. 1139; Gaz. vol. 134; p. 1994.
- Langton, E. G., Masterton, New Zealand. Toilet-comb. No. 893,332; July 14; Sp. p. 1898; Dr. p. 397; Gaz. vol. 135; p. 341.
- Langworthy, J. S., East Orange, N. J., assignor to Victor Mangle Company, Lowell, Mass. Ironing-machine. No. 885,765; Apr. 28; Sp. p. 4318; Dr. pp. 905-6; Gaz. vol. 133; p. 1961.
- Langworthy, L. O., Bradford, Pa. Choke-coil. No. 886,824; May 5; Sp. p. 995; Dr. p. 209; Gaz. vol. 134; p. 163.
- Langworthy, S. M., Cedar Rapids, Iowa. Surgical table. No. 901,628; Oct. 20; Sp. p. 3265; Dr. pp. 669-70; Gaz. vol. 136; p. 1644.
- Lanham, H., assignor to J. L. Black, Rome, Ga. Self-registering lock. No. 876,201; Jan. 7; Sp. p. 995; Dr. p. 216; Gaz. vol. 132; p. 169.
- Lanham, P. (See Smith and Lanham.)
- Lanier, J. S., West Point, Ga. Mail receiving and delivering apparatus. No. 898,486; Sept. 15; Sp. p. 2514; Dr. p. 538; Gaz. vol. 136; p. 465.
- Lanier, J. S., West Point, Ga. Mail receiving and delivering mechanism. No. 898,487; Sept. 15; Sp. p. 2517; Dr. p. 538; Gaz. vol. 136; p. 466.
- Lanier, J. S., West Point, assignor to Rural Automatic Mail Box Company, Columbus, Ga. Mail receiving and delivering apparatus. No. 905,718; Dec. 1; Sp. p. 1191; Gaz. vol. 137; p. 1177.
- Lankes, E., and K. Schwärzler, Munich, Germany. Preparing printers' overlays and underlays. No. 892,166; June 30; Sp. p. 6048; Gaz. vol. 134; p. 2151.
- Lanners, H. W. (See Holmwood, J., assignor.)
- Lannert, J. A. (See Dun Lany, W. P., assignor.)
- Lanning, J. K. (See Forster, B., assignor.)
- Lanning, J. W. (See Dingman, W., assignor.)
- Lanotte, F. L. (See Lanotte, N. J. and F. L.)
- Lanotte, N. J. and F. L., Grand Prairie, Tex. Peanut-planter. No. 892,745; July 7; Sp. p. 700; Dr. p. 148; Gaz. vol. 135; p. 120.
- Lanpher, J. N. (See Van Dessen, G. W., assignor.)
- Lansberry, W. R., Des Moines, Iowa. Joining-plane. No. 890,519; June 9; Sp. p. 2654; Dr. p. 586; Gaz. vol. 134; p. 1514.
- Lansden, T. M., Bethany, Ill. Lock. No. 877,654; Jan. 28; Sp. p. 4035; Dr. pp. 871-2; Gaz. vol. 132; p. 744.
- Lansing, J. F., Fall River Mills, Cal. Wrench. No. 890,775; June 16; Sp. p. 3229; Dr. p. 706; Gaz. vol. 134; p. 1632.
- Lansing Wheelbarrow Company. (See Gier and Verplanck, assignors.)
- Lansing Wheelbarrow Company. (See Verplanck, H. M., assignor.)
- Lansinger, J. N., Kent, Ohio. Electric igniter. No. 886,138; Apr. 28; Sp. p. 5090; Dr. p. 1068; Gaz. vol. 133; p. 2085.
- Lanston Monotype Machine Company. (See Bancroft and Indahl, assignors.) (Reissue.)
- Lanston Monotype Machine Company. (See Benton, A. J., assignor.)
- Lanston Monotype Machine Company. (See Chalfant, W. E., assignor.)
- Lanston Monotype Machine Company. (See Dove, Bancroft, and Indahl, assignors.)
- Lanston Monotype Machine Company. (See Elliott, R. C., assignor.)
- Lanston Monotype Machine Company. (See Pierpont, F. H., assignor.)
- Lanterey, F. B., Fort Worth, Tex. Nut-cracking machine. No. 885,262; Apr. 21; Sp. p. 3282; Dr. pp. 686-7; Gaz. vol. 133; p. 1772.
- Lantz, C. H., Manhattan, Kans. Measuring-machine. No. 895,276; Aug. 4; Sp. p. 1022; Dr. pp. 213-14; Gaz. vol. 135; p. 1062.
- Lantz, E. E., Paris, France. Shock-absorber for vehicles. No. 906,241; Dec. 8; Sp. p. 2218; Gaz. vol. 137; p. 1380.
- Lantz, M. J., *et al.* (See Stewart, S., assignor.)
- Lanza, G., Boston, Mass. Engine-indicator. No. 902,586; Nov. 3; Sp. p. 1116; Gaz. vol. 137; p. 19.
- Lanzendorfer, G., Bridgeport, Conn., assignor to Mona Manufacturing Co. Abdominal supporting attachment for corsets. No. 891,483; June 23; Sp. p. 4661; Dr. p. 1010; Gaz. vol. 134; p. 1895.
- Lanzit, J. J. (See Janes and Lanzit.)
- Lanzit, J. J. (See Marsh and Lanzit.)
- Lapage, R. H., *et al.* (See Borries, F. W. A. von, assignor.) (Reissue.)
- Lape, J. K., Fort Worth, Tex. Locomotive number-plate and holder therefor. No. 893,526; July 14; Sp. p. 2305; Dr. p. 484; Gaz. vol. 135; p. 404.
- Lapham, E. B., and J. Walker, New York, N. Y., assignors to Seth Thomas Clock Company, Thomaston, Conn. Alarm-clock. No. 896,734; Aug. 25; Sp. p. 3881; Dr. p. 839; Gaz. vol. 135; p. 1599.
- Lapham, V., Chicago, Ill. Sprinkler-head. No. 887,201; May 12; Sp. p. 1694; Dr. p. 360; Gaz. vol. 134; p. 310.
- Lapham, V., Chicago, Ill. Sprinkler-head for automatic fire-extinguishers. No. 897,908; Sept. 8; Sp. p. 1375; Dr. p. 294; Gaz. vol. 136; p. 248.
- Lapointe, E., New Haven, Conn. Folding lunch-box. No. 884,824; Apr. 14; Sp. p. 2372; Dr. p. 499; Gaz. vol. 133; p. 1599.
- Lapointe, J. N., Boston, Mass. Key-scat-broaching machine. No. 876,277; Jan. 7; Sp. p. 1156; Dr. pp. 252-3; Gaz. vol. 132; p. 195.
- Laporte, E., Fribourg, Switzerland. Production of artistic designs or pictures. No. 908,017; Dec. 29; Sp. p. 5762; Gaz. vol. 137; p. 2048.
- Lapp, J. S. (See Goddard and Lapp.)
- Lapp, V., Berlin, Germany. Manufacture of worts. No. 891,553; June 23; Sp. p. 4804; Gaz. vol. 134; p. 1918.
- Lappin, J. W., assignor of one-half to C. A. Styer, Kokomo, Ind. Combined mop head and wringer. No. 877,895; Jan. 28; Sp. p. 4488; Dr. p. 977; Gaz. vol. 132; p. 820.
- Laprès, J. N., Montreal, Quebec, Canada. Awning reflector-screen. No. 901,715; Oct. 20; Sp. p. 3483; Dr. p. 705; Gaz. vol. 136; p. 1675.
- Laprese, W. E. (See Gokey, Chambers, and Laprese.)
- Larava, H. F., Worcester, Mass. Indicator. No. 882,897; Mar. 24; Sp. p. 4789; Dr. p. 1019; Gaz. vol. 133; p. 881.
- Larava, H. F., Worcester, Mass. Wrench. No. 902,305; Oct. 27; Sp. p. 4670; Dr. p. 946; Gaz. vol. 136; p. 1895.
- Lard, A. E., St. Joseph, Mo. Firearm. No. 896,997; Aug. 25; Sp. p. 4488; Dr. p. 958; Gaz. vol. 135; p. 1689.
- Lardinois-Pigeon, J., Daverdisse, near Wellin, Belgium. Brooder. No. 884,935; Apr. 14; Sp. p. 2589; Dr. p. 546; Gaz. vol. 133; p. 1632.
- Lare, B. F. (See Barnes, J. C., assignor.)
- Largey, M. S. (See Riggs, E. W., assignor.)
- Larivee, J., Mount Vernon, N. Y. Device for preventing spreading of railroad-rails. No. 903,485; Nov. 10; Sp. p. 1898; Gaz. vol. 137; p. 342.
- Larkin, B. H., Chicago, Ill. Can head and ear. No. 896,026; Aug. 11; Sp. p. 2503; Dr. p. 539; Gaz. vol. 135; p. 1329.
- Larkin, C. J., Everett, assignor of one-half to J. R. Learned, Newton, Mass. Lighting attachment for gas and acetylene burners. No. 879,824; Feb. 18; Sp. p. 3971; Dr. p. 831; Gaz. vol. 132; p. 1553.
- Larkin, C. M., Baker City, Oreg. Saw-handle. No. 881,188; Mar. 10; Sp. p. 1283; Dr. p. 298; Gaz. vol. 133; p. 265.
- Larkin, J. B., Pittsburg, Pa. Closure for bottles, jars, and similar receptacles. No. 896,304; Aug. 18; Sp. p. 3033; Dr. p. 652; Gaz. vol. 135; p. 1440.
- Larkin, W., Barton, Ark. Ditcher and road-grader. No. 879,478; Feb. 18; Sp. p. 3255; Dr. p. 678; Gaz. vol. 132; p. 1439.
- Larkin, W. H., Jr. (See Buzzell and Larkin.)
- Larkin, W. J., assignor to Waterbury Clock Co., Waterbury, Conn. Alarm-clock. No. 891,084; June 16; Sp. p. 3839; Dr. p. 839; Gaz. vol. 134; p. 1732.
- Lärn, T., Björneborg, Russia. Making bodies for wax matches. No. 884,506; Apr. 14; Sp. p. 1697; Dr. p. 365; Gaz. vol. 133; p. 1492.
- Larned, W. J., Syracuse, N. Y. Valve. No. 878,809; Feb. 11; Sp. p. 1935; Dr. p. 900; Gaz. vol. 132; p. 1184.
- Larocque, P. R. (See Parent, L. P., assignor.)
- Larrabee, C. L., Schenectady, N. Y. Wire or rope tightening clamp. No. 889,530; June 2; Sp. p. 684; Dr. p. 157; Gaz. vol. 134; p. 1166.
- Larrabee, E. E., Williamston, Mich. Boiler. No. 879,056; Feb. 11; Sp. p. 2379; Dr. p. 498; Gaz. vol. 132; p. 1261.
- Larrabee, W., Jr. (See Appelman, E. W., assignor.)
- Larsen, H., Springfield, Ohio. Vibrator. No. 880,801; Mar. 3; Sp. p. 634; Dr. p. 133; Gaz. vol. 133; p. 109.
- Larsen, H., Springfield, Ohio. Vibrator. No. 907,377; Dec. 22; Sp. p. 4390; Gaz. vol. 137; p. 1807.
- Larsen, J., Copenhagen, Denmark. Machine for soling footwear. No. 882,395; Mar. 17; Sp. p. 3793; Dr. p. 810; Gaz. vol. 133; p. 684.
- Larsen, L. (See Smith and Larson.)
- Larsen, L. B., Portland, Oreg. Butter-cutter. No. 893,591; July 14; Sp. p. 2464; Dr. p. 512; Gaz. vol. 135; p. 426.
- Larsen, L. B., assignor of one-half to W. C. Duniway, Portland, Oreg. Divided bond for two-membered concrete building-blocks. No. 903,734; Nov. 10; Sp. p. 2389; Gaz. vol. 137; p. 420.
- Larsen, L. M., Chicago, and F. E. Nelson, Elgin, Ill. Scissors-sharpener. No. 905,331; Dec. 1; Sp. p. 395; Gaz. vol. 137; p. 1051.
- Larson, A., La Fayette, Ind. Mechanical motor. No. 885,494; Apr. 21; Sp. p. 3736; Dr. p. 786; Gaz. vol. 133; p. 1846.
- Larson, A., Wasco, Ill. Hand twine knoter and cutter. No. 895,277; Aug. 4; Sp. p. 1024; Dr. p. 214; Gaz. vol. 135; p. 1062.
- Larson, A. E., Provo, Utah. Garment-hanger. No. 889,935; June 9; Sp. p. 1466; Dr. p. 332; Gaz. vol. 134; p. 1322.
- Larson, A. F., Chicago, Ill., assignor to Marquette Piano Company, Crystal Falls, Mich. Pedal mechanism for musical instruments. No. 886,377; May 5; Sp. p. 70; Dr. p. 14; Gaz. vol. 134; p. 16.
- Larson, A. F., and K. O. Ostergren, Chicago, Ill., assignors to Marquette Piano Company, Crystal Falls, Mich. Automatic playing-piano. No. 891,938; June 30; Sp. p. 5600; Dr. pp. 1207-9; Gaz. vol. 134; p. 2078.

Alphabetical list of patentees—Continued.

- Larson, A. T., Wheeler, Wis. Developing-machine. No. 885,492; Apr. 21; Sp. p. 3733; Dr. pp. 785-6; Gaz. vol. 133; p. 1846.
- Larson, C. M., Lincoln, Nebr. Wrench. No. 903,205; Nov. 10; Sp. p. 1344; Gaz. vol. 137; p. 250.
- Larson, C. W., Schenectady, N. Y., assignor to General Electric Company. Automatic carrier system. No. 905,819; Dec. 1; Sp. p. 1392; Gaz. vol. 137; p. 1212.
- Larson, C. W., Schenectady, N. Y., assignor to General Electric Company. System of vehicle suspension. No. 907,822; Dec. 29; Sp. p. 5346; Gaz. vol. 137; p. 1985.
- Larson, H. A., Pioche, Nev. Controlling device for governors. No. 907,823; Dec. 29; Sp. p. 5348; Gaz. vol. 137; p. 1985.
- Larson, J., Sandy, Utah. Bit-stock. No. 878,404; Feb. 4; Sp. p. 1033; Dr. pp. 208-9; Gaz. vol. 132; p. 1017.
- Larson, J., Lewistown, Mont. Measuring implement. No. 907,511; Dec. 22; Sp. p. 4663; Gaz. vol. 137; p. 1852.
- Larson, J. E. and J. P., Silver Creek, Nebr. Corn-gatherer and picker. No. 876,464; Jan. 14; Sp. p. 1574; Dr. p. 338; Gaz. vol. 132; p. 288.
- Larson, J. P. (See Larson, J. E. and J. P.)
- Larson, M. L., Hawick, Minn. Animal-trap. No. 882,471; Mar. 17; Sp. p. 3924; Dr. p. 839; Gaz. vol. 133; p. 709.
- Larson, N., Agra, Kans. Tricycle. No. 881,808; Mar. 10; Sp. p. 2608; Dr. p. 560; Gaz. vol. 133; p. 465.
- Larson, N. A. (See Malmrose, C. F., assignor.)
- Larson, O. A., Grove City, Minn. Automatic mail-box. No. 876,811; Jan. 14; Sp. p. 2269; Dr. p. 499; Gaz. vol. 132; p. 403.
- Larson, O. L., Minneapolis, Minn. Smut-machine. No. 883,815; Apr. 7; Sp. p. 283; Dr. p. 52; Gaz. vol. 133; p. 1238.
- Larson, T., Briceyn, Minn. Wrench. No. 877,571; Jan. 28; Sp. p. 3874; Dr. p. 839; Gaz. vol. 132; p. 717.
- Larsson, D., Smedjebacken, assignor to Aktiebolaget B. A. Hjorth & Co., Stockholm, Sweden. Apparatus for removing the percussion-caps from discharged shells. No. 880,147; Feb. 25; Sp. p. 4660; Dr. p. 983; Gaz. vol. 132; p. 1691.
- Larsson, S. A., Denver, Colo. Dumping-car. No. 903,295; Nov. 10; Sp. p. 1518; Gaz. vol. 137; p. 280.
- Larsson, T., assignor to himself, F. A. Jones, Worcester, Mass., and W. E. D. Stokes, New York, N. Y. Plunger-packing. No. 876,977; Jan. 21; Sp. p. 2648; Dr. p. 576; Gaz. vol. 132; p. 499.
- Larsson, T., Worcester, Mass., assignor to himself, W. E. D. Stokes, New York, N. Y., and F. A. Jones, Worcester, Mass. Drilling machine. No. 877,572; Jan. 28; Sp. p. 3875; Dr. pp. 839-40; Gaz. vol. 132; p. 717.
- Larsson, T., Worcester, Mass., assignor to himself, W. E. D. Stokes, New York, N. Y., and F. A. Jones, Worcester, Mass. Stopping mechanism for plunger-elevators. No. 888,515; May 26; Sp. p. 4375; Dr. p. 927; Gaz. vol. 134; p. 803.
- Larsson, T., Worcester, Mass., assignor to himself, W. E. D. Stokes, New York, N. Y., and F. A. Jones, Worcester, Mass. Hydraulic elevator. No. 899,224; Sept. 22; Sp. p. 3911; Dr. pp. 835-6; Gaz. vol. 136; p. 732.
- Lasance, A., Cincinnati, Ohio. Dovetailing-machine. No. 901,454; Oct. 20; Sp. p. 2914; Dr. p. 594; Gaz. vol. 136; p. 1589.
- Lash, D. L., and C. P. Mock, Alva, Okla. Clothes-line. No. 879,390; Feb. 18; Sp. p. 3064; Dr. p. 637; Gaz. vol. 132; p. 1410.
- Lasley, J., Whiteville, Tenn. Shingling-bracket. No. 884,507; Apr. 14; Sp. p. 1698; Dr. p. 365; Gaz. vol. 133; p. 1493.
- Lassen, A. T. (See Lassen, M. E. and A. T.)
- Lassen, M. E., Brooklyn, N. Y., and A. T. Lassen, Chicago, Ill. Needle-threader. No. 882,204; Mar. 17; Sp. p. 3437; Dr. p. 731; Gaz. vol. 133; p. 622.
- Lassiter, D. C., Shermidine, N. C. Combined vehicle jack and wrench. No. 900,556; Oct. 6; Sp. p. 1045; Dr. p. 214; Gaz. vol. 136; p. 1233.
- Latchford, W. J., Chicago, Ill. Process alarm-clock. No. 880,675; Mar. 3; Sp. p. 368; Dr. p. 81; Gaz. vol. 133; p. 65.
- Latchford, W. J., Chicago, Ill. Green-corn-husking machine. No. 882,472; Mar. 17; Sp. p. 3927; Dr. p. 839; Gaz. vol. 133; p. 710.
- Latey, H. N., New York, N. Y. Signaling system for electric railways. No. 883,964; Apr. 7; Sp. p. 601; Dr. p. 119; Gaz. vol. 133; p. 1287.
- Latham, A., Waltham, Mass., assignor to Boston Fast Color Eyelet Company, Portland, Me. Forming blanks for covering eyelets. No. 893,739; July 21; Sp. p. 2846; Dr. p. 585; Gaz. vol. 135; p. 506.
- Latham, A., Waltham, assignor of one-half to J. W. Nourbourn, Somerville, Mass. Variable-speed transmission mechanism. No. 900,675; Oct. 6; Sp. p. 1294; Dr. pp. 264-5; Gaz. vol. 136; p. 1272.
- Lathrop, E. G., *et al.* (See Revoir, B., assignor.)
- Lathrop, E. K., Springfield, Mass. Paper box. No. 900,557; Oct. 6; Sp. p. 1047; Dr. p. 214; Gaz. vol. 136; p. 1233.
- Lathrop, F. K., assignor to Ohio Rake Company, Dayton, Ohio. Clutch mechanism. No. 886,004; Apr. 28; Sp. p. 4821; Dr. p. 1012; Gaz. vol. 133; p. 2042.
- Lathrop, F. K., assignor to Ohio Rake Company, Dayton, Ohio. Corn-planter. No. 886,005; Apr. 28; Sp. p. 4822; Dr. p. 1013; Gaz. vol. 133; p. 2042.
- Lathrop, F. K., assignor to Ohio Rake Company, Dayton, Ohio. Wheel-truck for disk harrows. No. 903,585; Nov. 10; Sp. p. 2116; Gaz. vol. 137; p. 375.
- Lathrop, K. J., Cathay, N. D. Spring-motor. No. 880,148; Feb. 25; Sp. p. 4661; Dr. p. 983; Gaz. vol. 132; p. 1691.
- Latimer, E. L., Rochester, N. Y. Tool-handle. No. 896,121; Aug. 18; Sp. p. 2674; Dr. p. 577; Gaz. vol. 135; p. 1380.
- Latimer, E. R. (See Latimer, W. E., assignor.)
- Latimer, J. B., assignor to A. D. Cloud, F. M. Patterson, and F. W. Rizer, Chicago, Ill. Switch-point lock. No. 877,096; Jan. 21; Sp. p. 2902; Dr. pp. 627-8; Gaz. vol. 132; p. 539.
- Latimer, J. M., Flushing, assignor to Consolidated Fire Alarm Company, New York, N. Y. Alarm system and apparatus. No. 896,839; Aug. 25; Sp. p. 4135; Dr. pp. 886-7; Gaz. vol. 135; p. 1637.
- Latimer, J. M., Flushing, assignor to Consolidated Fire Alarm Company, New York, N. Y. Alarm transmission. No. 896,840; Aug. 25; Sp. p. 4138; Dr. p. 887; Gaz. vol. 135; p. 1638.
- Latimer, J. M., Flushing, assignor to Consolidated Fire Alarm Company, New York, N. Y. Pressure-tank alarm. No. 896,841; Aug. 25; Sp. p. 4140; Dr. pp. 887-8; Gaz. vol. 135; p. 1638.
- Latimer, J. M., Philadelphia, Pa., assignor, by mesne assignments, to Consolidated Fire Alarm Company. Combined telephone-exchange and alarm system. No. 904,441; Nov. 17; Sp. p. 3896; Gaz. vol. 137; p. 692.
- Latimer, J. W., Chicago, Ill., assignor to International Harvester Company. Hay-rake. No. 907,249; Dec. 22; Sp. p. 4156; Gaz. vol. 137; p. 1764.
- Latimer, W. E., assignor to E. R. Latimer, Utica, N. Y. Extension foot-rest. No. 902,092; Oct. 27; Sp. p. 4228; Dr. p. 857; Gaz. vol. 136; p. 1825.
- Latour, M. C. A., Paris, France, assignor to General Electric Company. Single-phase commutator-motor. No. 897,545; Sept. 1; Sp. p. 627; Dr. p. 130; Gaz. vol. 136; p. 98.
- Latsch, C., assignor of twelve twenty-fifths to C. A. Mueller and J. H. Wenneman, Cleveland, Ohio. Trolley guard and guide. No. 892,272; June 30; Sp. p. 6257; Dr. p. 1346; Gaz. vol. 134; p. 2187.
- Latshaw, H. S., Jersey Shore, Pa. Electrical receptacle for plants. No. 882,699; Mar. 24; Sp. p. 4382; Dr. p. 933; Gaz. vol. 133; p. 818.
- Latta, J. L., assignor to Latta & Martin Pump Co., Hickory, N. C. Valve mechanism for water-elevators. No. 889,794; June 2; Sp. p. 1173; Dr. pp. 271-2; Gaz. vol. 134; p. 1249.
- Latta, M., Valentine, Nebr. Pump. No. 882,524; Mar. 17; Sp. p. 4044; Dr. p. 861; Gaz. vol. 133; p. 729.
- Latta & Martin Pump Co. (See Latta, J. L., assignor.)
- Latta, P., Chicago, Ill. Photographic-printing apparatus. No. 884,740; Apr. 14; Sp. p. 2204; Dr. p. 466; Gaz. vol. 133; p. 1571.
- Latta, W. J. (See Kitsee, I., assignor.)
- Latulip, F., Syracuse, N. Y. Shingle. No. 907,824; Dec. 29; Sp. p. 5350; Gaz. vol. 137; p. 1986.
- Latus, W. H., New York, N. Y. Applying surface paper to corrugated packing-boards. No. 891,428; June 23; Sp. p. 4552; Dr. p. 970; Gaz. vol. 134; p. 1877.
- Latzel, J., London, England. Motor-vehicle. No. 878,074; Feb. 4; Sp. p. 370; Dr. p. 77; Gaz. vol. 132; p. 908.
- Lau, C. H., Renova, assignor of one-fourth to H. A. Carlton, Harrisburg, Pa. Rivet-cutter and punch. No. 876,068; Jan. 7; Sp. p. 748; Dr. pp. 158-9; Gaz. vol. 132; p. 128.
- Lau, F. J., and A. Melzer, Newark, N. J.; said Lau assignor to R. Neumann Hardware Co. Bag-frame lock or fastener. No. 886,708; May 5; Sp. p. 757; Dr. p. 155; Gaz. vol. 134; p. 127.
- Laub, G. M., assignor of one-half to G. H. Bladworth, New York, N. Y. Pattern. No. 886,378; May 5; Sp. p. 72; Dr. p. 15; Gaz. vol. 134; p. 16.
- Laub, G. M., New York, N. Y., assignor to May Manton Pattern Company. Garment-pattern. No. 891,939; June 30; Sp. p. 5610; Dr. p. 1210; Gaz. vol. 134; p. 2079.
- Laubenheimer, G. E., Chicago, Ill. Hop-jack. No. 887,202; May 12; Sp. p. 1696; Dr. p. 360; Gaz. vol. 134; p. 311.
- Lauber, O., and N. Koch, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Pneumatic recuperator for recoil-guns. No. 886,615; May 5; Sp. p. 536; Dr. p. 114; Gaz. vol. 134; p. 95.
- Lauber, O., and N. Koch, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Fluid-brake for recoil-guns. No. 887,045; May 5; Sp. p. 1399; Dr. p. 297; Gaz. vol. 134; p. 233.
- Laubeuf, M., Paris, France. Anchor of submarine or submersible boats. No. 895,648; Aug. 11; Sp. p. 1736; Dr. p. 363; Gaz. vol. 135; p. 1206.
- Laubscher, A., Bridgeport, Conn., assignor, by mesne assignments, to Singer Manufacturing Company. Ruffling mechanism for sewing-machines. No. 882,254; Mar. 17; Sp. p. 3524; Dr. pp. 749-50; Gaz. vol. 133; p. 638.
- Laubscher, A., Bridgeport, Conn., assignor, by mesne assignments, to Singer Manufacturing Company. Tuck-marker for sewing-machines. No. 882,255; Mar. 17; Sp. p. 3538; Dr. pp. 750-1; Gaz. vol. 133; p. 639.
- Laubscher, A., Bridgeport, Conn., assignor to Singer Manufacturing Company. Strip-guide for sewing-machines. No. 882,473; Mar. 17; Sp. p. 3929; Dr. p. 840; Gaz. vol. 133; p. 710.

Alphabetical list of patentees—Continued.

- Laubscher, A., Bridgeport, Conn., assignor to Singer Manufacturing Company. Hemmer for sewing-machines. No. 899,544; Sept. 29; Sp. p. 4551; Dr. pp. 978-9; Gaz. vol. 136; p. 871.
- Laudahn, W., Los Angeles, Cal. Appliance for adding to the record speed of vessels. No. 884,936; Apr. 14; Sp. p. 2590; Dr. p. 546; Gaz. vol. 133; p. 1632.
- Lauder, A. R. K., Schenectady, N. Y., assignor to General Electric Company. Trolley-contact. No. 906,038; Dec. 8; Sp. p. 1819; Gaz. vol. 137; p. 1312.
- Laudermilch, H. C., Halifax, Pa. Whip-lock. No. 892,273; June 30; Sp. p. 6258; Dr. p. 1347; Gaz. vol. 134; p. 2188.
- Laudien, E. (See Schraube and Laudien.)
- Lauer, B., Paris, France. Machine for turning corks. No. 895,774; Aug. 11; Sp. p. 1994; Dr. pp. 422-4; Gaz. vol. 135; p. 1247.
- Lauerman, V. J., Mineral Wells, Tex. Apparatus for extracting oil. No. 876,363; Jan. 14; Sp. p. 1343; Dr. p. 291; Gaz. vol. 132; p. 254.
- Lauter, R., assignor of one-half to C. L. Huber, East Greenville, Pa. Measuring device. No. 886,224; Apr. 28; Sp. p. 5235; Dr. pp. 1102-3; Gaz. vol. 133; p. 2112.
- Lauffs, W., Zurich, Switzerland. Catamenial bandage. No. 879,778; Feb. 18; Sp. p. 3871; Dr. p. 811; Gaz. vol. 132; p. 1537.
- Laughlin, G. H., Kewanee, Ill. Candy-machine. No. 904,704; Nov. 24; Sp. p. 4456; Gaz. vol. 137; p. 808.
- Laughlin, J. T. (See Cox, G. D., assignor.)
- Laughlin, S. J., Rochester, N. Y., assignor to Autopiano Company, Automatic piano. No. 877,573; Jan. 28; Sp. p. 3877; Dr. p. 840; Gaz. vol. 132; p. 718.
- Lauhoff, F., Detroit, Mich. Coated flakes. No. 901,455; Oct. 20; Sp. p. 2917; Dr. pp. 594-5; Gaz. vol. 136; p. 1589.
- Lauhoff, H. A., Detroit, Mich. Cereal cake or body. No. 903,586; Nov. 10; Sp. p. 2118; Gaz. vol. 137; p. 376.
- Laupon, E. S., Catlettsburg, Ky. Gas-burner. No. 879,556; Feb. 18; Sp. p. 3422; Dr. p. 716; Gaz. vol. 132; p. 1465.
- Launbranch, M. E., assignor to Western Electric Company, Chicago, Ill. Mounting for electrical apparatus. No. 892,167; June 30; Sp. p. 6050; Dr. p. 1301; Gaz. vol. 134; p. 2152.
- Laurell, F. (See Huhta and Laurell.)
- Laurence, E. A. (See McKiernan and Patrick, assignors.)
- Laurent, L. C., Denver, Colo. Fume-condensing apparatus. No. 907,379; Dec. 22; Sp. p. 4393; Gaz. vol. 137; p. 1808.
- Laursen, J. B., Sorkness, N. D. Indicator for tanks. No. 885,059; Apr. 21; Sp. p. 2845; Dr. p. 605; Gaz. vol. 133; p. 1705.
- Laursen, L. A., Cornell, Wis. Automatic hydraulic pump. No. 886,379; May 5; Sp. p. 73; Dr. p. 15; Gaz. vol. 134; p. 17.
- Laus, J., Jr., Oshkosh, Wis. Automobile-wheel. No. 899,876; Sept. 29; Sp. p. 5247; Dr. pp. 1121-2; Gaz. vol. 136; p. 980.
- Lauson, H. D., assignor to John Lauson Manufacturing Company, New Holstein, Wis. Mixing-valve. No. 903,206; Nov. 10; Sp. p. 1345; Gaz. vol. 137; p. 251.
- Lauster, F. G., Sr., Ionia, Mich. Cover. No. 904,972; Nov. 24; Sp. p. 5027; Gaz. vol. 137; p. 897.
- Lausterer, W. J., Jamestown, assignor to U. S. Standard Voting Machine Company, Rochester, N. Y. Label-holder for voting-machines. No. 886,061; Apr. 28; Sp. p. 4939; Dr. pp. 1038-9; Gaz. vol. 133; p. 2060.
- Lauterbach, M., Sedalia, Mo. Shuttle. No. 896,027; Aug. 11; Sp. p. 2504; Dr. p. 540; Gaz. vol. 135; p. 1329.
- Lauterback, G., Baltimore, Md. Can-cap. No. 893,175; July 14; Sp. p. 1596; Dr. p. 338; Gaz. vol. 135; p. 290.
- Laux, J. A. (See Rowan and Laux.)
- Lavagnino, J., Irvine, Cal. Mortar for pulverizing-mills. No. 876,812; Jan. 14; Sp. p. 2271; Dr. p. 499; Gaz. vol. 132; p. 404.
- Laval, C. G. P., de Stockholm, Sweden, assignor to Société Anonyme Métallurgique Procédés de Laval, Frankfort-on-the-Main, Germany. Obtaining a violent chemical reaction between materials. No. 885,766; Apr. 28; Sp. p. 4320; Dr. p. 906; Gaz. vol. 133; p. 1962.
- Laval, J., Allegheny, Pa. Amalgam for use in coating glass to form mirrors. No. 892,435; July 7; Sp. p. 88; Gaz. vol. 135; p. 19.
- Lavallee, C., New Market, N. H. Let-back mechanism for looms. No. 907,378; Dec. 22; Sp. p. 4391; Gaz. vol. 137; p. 1807.
- Lavelle, T. M., Ambridge, Pa. Metallic rail-tie and rail-fastening. No. 906,242; Dec. 8; Sp. p. 2221; Gaz. vol. 137; p. 1380.
- Laverty, J. L., Cambridge, Mass. Ash-sifting apparatus. No. 888,827; May 26; Sp. p. 5044; Dr. p. 1077; Gaz. vol. 134; p. 907.
- Lavigne, J. P., assignor to Blomstrom Manufacturing Co., Detroit, Mich. Motor-vehicle-driving mechanism. No. 888,405; May 19; Sp. p. 4149; Dr. p. 877; Gaz. vol. 134; p. 736.
- Lawie, A. O., St. Henri, near Montreal, Quebec, Canada. Hydraulic motor. No. 907,250; Dec. 22; Sp. p. 4159; Gaz. vol. 137; p. 1765.
- Law, H. R., New York, N. Y. Illusion apparatus. No. 888,021; May 19; Sp. p. 3419; Dr. p. 718; Gaz. vol. 134; p. 614.
- Law, L. L., assignor of one-half to G. G. G. Peckham, Dayton, Ohio. Heater. No. 884,395; Apr. 14; Sp. p. 1472; Dr. pp. 314-15; Gaz. vol. 133; p. 1457.
- Lawin, P. A., Long Prairie, Minn. Cement-block machine. No. 908,018; Dec. 29; Sp. p. 5764; Gaz. vol. 137; p. 2048.
- Lawler, J. C., Colorado Springs, Colo. Ground-detector. No. 880,544; Mar. 3; Sp. p. 98; Dr. p. 22; Gaz. vol. 133; p. 21.
- Lawler, J. F. (See Skiles and Lawler.)
- Lawler, J. J., Mount Vernon, N. Y. Heating system. No. 889,382; June 2; Sp. p. 383; Dr. pp. 90-1; Gaz. vol. 134; p. 1119.
- Lawler, J. J., Mount Vernon, N. Y. Steam-valve. No. 893,527; July 14; Sp. p. 2306; Dr. p. 484; Gaz. vol. 135; p. 405.
- Lawler, M. (See Lawler, M., assignor.)
- Lawler, M., assignor of one-half to M. Lawler, Parnell, Iowa. Trap. No. 903,296; Nov. 10; Sp. p. 1520; Gaz. vol. 137; p. 280.
- Lawless, P. C., Hampstead, England. Internal-combustion engine. No. 876,003; Jan. 7; Sp. p. 613; Dr. p. 131; Gaz. vol. 132; p. 107.
- Lawlor, J. J. (See Imboden and Lawlor.)
- Lawlor, S. C., Duluth, Minn. Wringer. No. 901,919; Oct. 20; Sp. p. 3857; Dr. p. 787; Gaz. vol. 136; p. 1740.
- Lawrin, L. D., Edwardsville, Ill., assignor of one-half to N. O. Nelson Manufacturing Company, St. Louis, Mo. Flushing device for water-closets. No. 900,176; Oct. 6; Sp. p. 223; Dr. p. 45; Gaz. vol. 136; p. 1108.
- Lawrence, A., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Lock. No. 886,139; Apr. 28; Sp. p. 5092; Dr. pp. 1068-9; Gaz. vol. 133; p. 2085.
- Lawrence, A. N., Los Angeles, Cal. Show-case. No. 879,655; Feb. 18; Sp. p. 3635; Dr. p. 760; Gaz. vol. 132; p. 1497.
- Lawrence, A. W. (See Brown and Lawrence.)
- Lawrence, A. W., Duquesne, Pa. Hat and coat rack. No. 897,112; Aug. 25; Sp. p. 4718; Dr. p. 1005; Gaz. vol. 135; p. 1728.
- Lawrence, F. O., Ansonia, Conn. Frictionally-controlled feeding device. No. 888,179; May 19; Sp. p. 3709; Dr. pp. 774-5; Gaz. vol. 134; p. 662.
- Lawrence, F. M. (See Sherman and Lawrence.)
- Lawrence, F. M., Portland, Me. Making molds. No. 890,665; June 16; Sp. p. 2982; Dr. p. 653; Gaz. vol. 134; p. 1595.
- Lawrence, F. W., assignor of one-half to G. H. Clynick, Bonner, Mont. Car-stake. No. 878,405; Feb. 4; Sp. p. 1034; Dr. p. 209; Gaz. vol. 132; p. 1017.
- Lawrence, G. H., Middletown, N. Y. Transom-operator. No. 904,973; Nov. 24; Sp. p. 5028; Gaz. vol. 137; p. 897.
- Lawrence, G. R., Chicago, Ill. Apparatus for flash-light photography. No. 881,595; Mar. 10; Sp. p. 2187; Dr. p. 477; Gaz. vol. 133; p. 398.
- Lawrence, H. (See Lee, H. N., assignor.)
- Lawrence, H. J., Longbeach, Cal. Tree-trimmer. No. 888,022; May 19; Sp. p. 3421; Dr. p. 718; Gaz. vol. 134; p. 614.
- Lawrence, H. J., Longbeach, Cal. Wheel-hub. No. 888,023; May 19; Sp. p. 3421; Dr. p. 718; Gaz. vol. 134; p. 614.
- Lawrence, H. J., Elmore, Minn. Adjustable wagon-tongue. No. 892,746; July 7; Sp. p. 701; Dr. p. 148; Gaz. vol. 135; p. 121.
- Lawrence, H. W., Denver, Colo. Electrical-wiring knob. No. 907,251; Dec. 22; Sp. p. 4160; Gaz. vol. 137; p. 1765.
- Lawrence, R. B., New York, N. Y. Fire-door fastener. No. 884,937; Apr. 14; Sp. p. 2591; Dr. p. 547; Gaz. vol. 133; p. 1632.
- Lawrence, R. E., Carrollton, Ohio. Device for detaching horses from vehicles. No. 906,436; Dec. 8; Sp. p. 2571; Gaz. vol. 137; p. 1442.
- Lawrence, S. E. (See Dumas, F. T., assignor.)
- Lawrence, W. E., Brooklyn, N. Y. Jig or scroll saw. No. 879,656; Feb. 18; Sp. p. 3637; Dr. p. 760; Gaz. vol. 132; p. 1498.
- Lawry, J. F., Wallace, Idaho. Turn-table. No. 904,335; Nov. 17; Sp. p. 3705; Gaz. vol. 137; p. 658.
- Lawson, A., Rockford, Ill. Equalizing device. No. 892,747; July 7; Sp. p. 702; Dr. p. 148; Gaz. vol. 135; p. 121.
- Lawson, J. and M., Swatwell, England. Burner for oil-lamps. No. 891,268; June 23; Sp. p. 4213; Dr. p. 921; Gaz. vol. 134; p. 1824.
- Lawson, J. and M., Swatwell, England. Burner for oil-lamps. No. 896,645; Aug. 18; Sp. p. 3696; Dr. p. 794; Gaz. vol. 135; p. 1549.
- Lawson, J. L., Leith, Edinburgh, Scotland. Electrical purification of flour, grain, &c. No. 880,891; Mar. 3; Sp. p. 833; Dr. p. 177; Gaz. vol. 133; p. 140.
- Lawson, M. (See Lawson, J. and M.)
- Lawson, R. F., Effingham, Ill. Steak-shredder. No. 887,662; May 12; Sp. p. 2697; Dr. p. 570; Gaz. vol. 134; p. 465.
- Lawson, S., New York, N. Y. Engine. No. 896,399; Aug. 18; Sp. p. 3218; Dr. pp. 690-1; Gaz. vol. 135; p. 1469.
- Lawson, S. M., Cincinnati, Ohio. Hat-hook. No. 906,537; Dec. 15; Sp. p. 2760; Gaz. vol. 137; p. 1501.
- Lawson, W. C., Roanoke, Va. Switch mechanism. No. 904,336; Nov. 17; Sp. p. 3706; Gaz. vol. 137; p. 658.
- Lawton, C. H., Torrington, Conn. Safety check-bit. No. 892,748; July 7; Sp. p. 703; Dr. pp. 148-9; Gaz. vol. 135; p. 121.
- Lawton, C. H., Torrington, assignor to American Brass Company, Waterbury, Conn. Mold. No. 897,113; Aug. 25; Sp. p. 4720; Dr. p. 1005; Gaz. vol. 135; p. 1728.
- Lawton, E. H., Brighton, England. Advertising device. No. 887,104; May 12; Sp. p. 1532; Dr. p. 324; Gaz. vol. 134; p. 281.
- Lay, C. H., Jersey City, N. J., assignor to Union Switch & Signal Company, Swissvale, Pa. Signaling system for railways. No. 889,469; June 2; Sp. p. 574; Dr. p. 134; Gaz. vol. 134; p. 1148.
- Laycock, W. (See Smith, F. L., assignor.)

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- Layfield, J., Vancouver, British Columbia, Canada. Roofing-bracket. No. 889,795; June 2; Sp. p. 1176; Dr. p. 272; Gaz. vol. 134; p. 1250.
- Layher, F. G., Jackson, Mich. Automatic electric crossing-gate. No. 884,825; Apr. 14; Sp. p. 2373; Dr. pp. 499-500; Gaz. vol. 133; p. 1599.
- Layman, P. J., assignor to F. X. Adams, Akron, Ohio. Jar-closure. No. 884,826; Apr. 14; Sp. p. 2376; Dr. p. 500; Gaz. vol. 133; p. 1600.
- Layne, M. E., Houston, Tex. Pipe-lifter. No. 889,139; May 26; Sp. p. 5675; Dr. p. 1201; Gaz. vol. 134; p. 1008.
- Layne, M. E., Houston, Tex. Well mechanism. No. 905,440; Dec. 1; Sp. p. 664; Gaz. vol. 137; p. 1090.
- Layne, M. E., and S. N. Hall, Houston, Tex. Wrench. No. 889,244; June 2; Sp. p. 101; Dr. p. 23; Gaz. vol. 134; p. 1075.
- Layne, M. E., and S. N. Hall, Houston, Tex. Wrench. No. 889,245; June 2; Sp. p. 102; Dr. pp. 23-4; Gaz. vol. 134; p. 1075.
- Layne, M. E., and S. N. Hall, Houston, Tex. Wrench. No. 889,246; June 2; Sp. p. 104; Dr. p. 24; Gaz. vol. 134; p. 1075.
- Layne, M. E., and S. N. Hall, Houston, Tex. Wrench. No. 900,861; Oct. 13; Sp. p. 1680; Dr. p. 340; Gaz. vol. 136; p. 1359.
- Layng, H. G., New York, N. Y., assignor to J. Treadwell, San Francisco, Cal. Alcohol-gaslamp. No. 885,263; Apr. 21; Sp. p. 3285; Dr. p. 687; Gaz. vol. 133; p. 1772.
- Laytham, J. F., Blaine, Wash. Portable skating-rink. No. 903,486; Nov. 10; Sp. p. 1900; Gaz. vol. 137; p. 343.
- Layton, B. C. (See McKay and Layton.)
- Layton, C. W., Merna, Nebr. Tool-handle. No. 894,155; July 21; Sp. p. 3694; Dr. p. 767; Gaz. vol. 135; p. 642.
- Layton, J. A., Elmore, Okla. Cotton-picking glove. No. 885,767; Apr. 28; Sp. p. 4322; Dr. p. 906; Gaz. vol. 133; p. 1962.
- Lazar, S., *et al.* (See Lazar, W., assignor.)
- Lazar, W., San Francisco, assignor to H. I. Nager, Oakland, and S. Lazar, San Francisco, Cal. Toilet-paper holder. No. 877,347; Jan. 21; Sp. p. 3410; Dr. p. 740; Gaz. vol. 132; p. 623.
- Lazareff, M. A., New York, N. Y. Electric railway. No. 894,217; July 28; Sp. p. 3846; Dr. p. 797; Gaz. vol. 135; p. 683.
- Lazarus, J., *et al.* (See Brown, J. H., assignor.)
- Lazell, E. W. (See Spackman and Lazell.)
- Lazenby, C. B., Chicago, Ill. Engine-starter. No. 891,623; June 23; Sp. p. 4947; Dr. p. 1065; Gaz. vol. 134; p. 1940.
- Le Blanc, M., Karlsruhe, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Electrolytic production of chromic acid. No. 883,651; Mar. 31; Sp. p. 6338; Dr. p. 1351; Gaz. vol. 133; p. 1156.
- Le Blon, H., Paris, France. Change-speed gearing. No. 881,248; Mar. 10; Sp. p. 1510; Dr. p. 325; Gaz. vol. 133; p. 285.
- Le Blond, R. K., and W. F. Groene, assignors to R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Milling-machine. No. 894,508; July 28; Sp. p. 4454; Dr. p. 922; Gaz. vol. 135; p. 779.
- Le Bossé, E., New York, N. Y. Legging. No. 884,741; Apr. 14; Sp. p. 2205; Dr. p. 466; Gaz. vol. 133; p. 1541.
- Le Brocq, R. F., Etna, N. J., assignor of one-half to J. P. Niemann, Lynbrook, N. Y. Electrical contact. No. 887,822; May 19; Sp. p. 3028; Dr. p. 636; Gaz. vol. 134; p. 548.
- Le Brocq, R. F., Etna, N. J., assignor of one-half to E. J. Selley, New York, N. Y. Electric-sign apparatus. No. 892,749; July 7; Sp. p. 704; Dr. p. 149; Gaz. vol. 135; p. 121.
- Le Chatelier, A. G., assignor to La Société L'Acétylène dissous du Sud-Est, Marseille, France. Blowpipe. No. 899,453; Sept. 22; Sp. p. 4341; Dr. p. 932; Gaz. vol. 136; p. 804.
- Le Compte, J., assignor of one-half to A. D. Marble and S. C. Taylor, Oklahoma, Okla. Daylight film-developing apparatus. No. 899,545; Sept. 29; Sp. p. 4552; Dr. p. 979; Gaz. vol. 136; p. 872.
- Le Fevre, N. B., London, England. Door-bell. No. 889,316; June 2; Sp. p. 243; Dr. p. 59; Gaz. vol. 134; p. 1097.
- Le Gallais, W. C., Pensacola, Fla. End gate for press-boxes. No. 884,827; Apr. 14; Sp. p. 2377; Dr. p. 500; Gaz. vol. 133; p. 1600.
- Le Gore, J. W., Le Gore, Md. Kiln. No. 898,902; Sept. 15; Sp. p. 3299; Dr. p. 707; Gaz. vol. 136; p. 600.
- Le Moon, A. R., Chicago, Ill. Friction driving-clutch. No. 880,084; Feb. 25; Sp. p. 4538; Dr. p. 955; Gaz. vol. 132; p. 1671.
- Le Penske, J. (See McCollom, W. R., assignor.)
- Le Plain, J., Andoversford, England. Automatic double air-inlet for carbureters. No. 906,039; Dec. 8; Sp. p. 1820; Gaz. vol. 137; p. 1313.
- Le Pontois, L., New Rochelle, N. Y. Device for reversing the direction of rotation of internal-combustion engines. No. 904,624; Nov. 24; Sp. p. 4289; Gaz. vol. 137; p. 781.
- Le Pontois, L., New Rochelle, N. Y. Device for reversing the direction of rotation of internal-combustion engines. No. 904,625; Nov. 24; Sp. p. 4291; Gaz. vol. 137; p. 781.
- Le Pontois, L., New Rochelle, N. Y., assignor to Hurd & Haggin. Inductor magneto alternator. No. 902,499; Oct. 27; Sp. p. 5108; Dr. p. 1034; Gaz. vol. 136; p. 1960.
- Le Roy Plow Company. (See Phillips, A. M., assignor.)
- Le Sage, G., Los Angeles, Cal. Necktie-fastener. No. 878,734; Feb. 11; Sp. p. 1784; Dr. p. 369; Gaz. vol. 132; p. 1160.
- Le Vasseur-Belisle, J. N., Manchester, N. H. Shuttle-threader. No. 876,465; Jan. 14; Sp. p. 1575; Dr. p. 338; Gaz. vol. 132; p. 289.
- Le Vesconte, G. L., St. Cloud, Minn. Ram. No. 885,264; Apr. 21; Sp. p. 3288; Dr. pp. 687-8; Gaz. vol. 133; p. 1773.
- Lea, H. I., Pittsburg, Pa., assignor to Westinghouse Machine Company. Gas-producer. No. 881,100; Mar. 3; Sp. p. 1211; Dr. p. 261; Gaz. vol. 133; p. 206.
- Lea, H. I., Pittsburg, Pa., assignor to Westinghouse Machine Company. Gas-producer. No. 900,862; Oct. 13; Sp. p. 1681; Dr. p. 340; Gaz. vol. 136; p. 1360.
- Lea, R. R., Newport, Me. Gage for carpenters' rules, &c. No. 877,934; Feb. 4; Sp. p. 78; Dr. p. 16; Gaz. vol. 132; p. 862.
- Leach, J. J. (See Bogk, Leach, and Wiegander.)
- Leach, J. N., Melrose, Mass., assignor to Judson L. Thomson M'fg Company. Water relief-valve for engine-cylinders. No. 884,096; Apr. 7; Sp. p. 864; Dr. pp. 181-2; Gaz. vol. 133; p. 1331.
- Leach, J. N., Melrose, Mass., assignor to Judson L. Thomson M'fg Company. Steam-engine. No. 884,097; Apr. 7; Sp. p. 867; Dr. pp. 182-3; Gaz. vol. 133; p. 1331.
- Leach, J. N., Melrose, Mass., assignor of one-half to Judson L. Thomson M'fg Company. Steam-boiler. No. 901,301; Oct. 13; Sp. p. 2542; Dr. p. 523; Gaz. vol. 136; p. 1499.
- Leachey, M. J., Omaha, Nebr. Horseshoe. No. 898,488; Sept. 15; Sp. p. 2519; Dr. p. 539; Gaz. vol. 136; p. 466.
- Leadbetter, I. S. (See Long, A., assignor.)
- Leader Manufacturing Company. (See Noble, E. J., assignor.)
- Leader Safety Razor & Strop Co. (See Hauser and Shepherd, assignors.)
- Leahy, E. F., New York, N. Y. Measure. No. 902,306; Oct. 27; Sp. p. 4671; Dr. p. 947; Gaz. vol. 136; p. 1895.
- Leahy, M. L., Norman, Okla. Baking-pan. No. 891,085; June 16; Sp. p. 3840; Dr. p. 839; Gaz. vol. 134; p. 1733.
- Leake, T. S. (See Daly and Leake.)
- Leander, J. P., Chicago, Ill. Rod-packing. No. 890,520; June 9; Sp. p. 2655; Dr. p. 586; Gaz. vol. 134; p. 1514.
- Leaning, C. W., Yankton, S. D. Lantern-holder. No. 882,396; Mar. 17; Sp. p. 3794; Dr. p. 810; Gaz. vol. 133; p. 685.
- Lear, O. J., Newport, N. H. Heel-blackening machine. No. 892,530; July 7; Sp. p. 272; Dr. p. 59; Gaz. vol. 135; p. 51.
- Lear, R. H. (See Daubaignan, R., assignor.)
- Learman, F. J., assignor to A. R. Koehler, Buffalo, N. Y. Blackleading-machine. No. 896,400; Aug. 18; Sp. p. 3220; Dr. p. 691; Gaz. vol. 135; p. 1470.
- Learned, J. R. (See Larkin, C. J., assignor.)
- Leary, H. B. (See Hart, W. H., assignor.)
- Leas, D. H., Delaware, Ohio. Scenic effect. No. 901,354; Oct. 20; Sp. p. 2666; Dr. p. 547; Gaz. vol. 136; p. 1553.
- Leask, H. N., Egremont, England. Means for charging refuse-destructors and other furnaces. No. 903,993; Nov. 17; Sp. p. 2957; Gaz. vol. 137; p. 540.
- Leask, J. A., Cranbrook, British Columbia, Canada. Rotary engine. No. 883,319; Mar. 31; Sp. p. 5641; Dr. pp. 1203-4; Gaz. vol. 133; p. 1050.
- Leatherman, A., Butte, Nebr. Ratchet-cylinder pulley. No. 885,060; Apr. 21; Sp. p. 2847; Dr. p. 605; Gaz. vol. 133; p. 1705.
- Leavenworth, S. H., and J. W. Farrell, assignors to Homan & Company, Cincinnati, Ohio. Device for regulating the rotary motion of a shaft. No. 896,072; Aug. 11; Sp. p. 2585; Dr. p. 559; Gaz. vol. 135; p. 1343.
- Leaver, W. H., and C. H. Smith, Chicago, Ill. Coin-controlled vending-machine. No. 887,203; May 12; Sp. p. 1698; Dr. p. 361; Gaz. vol. 134; p. 311.
- Leavitt, F. M., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Ignition device for automobile torpedoes. No. 880,029; Feb. 25; Sp. p. 4421; Dr. p. 929; Gaz. vol. 132; p. 1653.
- Leavitt, F. M., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Starting-valve for automobile torpedoes. No. 880,030; Feb. 25; Sp. p. 4424; Dr. p. 929; Gaz. vol. 132; p. 1654.
- Leavitt, F. M., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Controlling mechanism. No. 886,545; Mar. 3; Sp. p. 101; Dr. p. 23; Gaz. vol. 133; p. 21.
- Leavitt, F. M., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Gyroscopic steering-gear for torpedoes. No. 894,838; Aug. 4; Sp. p. 74; Dr. pp. 15-16; Gaz. vol. 135; p. 913.
- Leavitt, F. M., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Control mechanism for steering apparatus. No. 901,355; Oct. 20; Sp. p. 2668; Dr. p. 547; Gaz. vol. 136; p. 1554.
- Lebach, H. (See Knoevenagel and Lebach.)
- Lebart, F. (See Merz and Lebart.)

Alphabetical list of patentees—Continued.

- Lebeis, M., assignor to Regina Maschinenfabrik, G. M. B. H., Kalk, near Cologne, Germany. Ticket printing and registering apparatus. No. 891,624; June 23; Sp. p. 4950; Dr. pp. 1066-7; Gaz. vol. 134; p. 1940.
- Lebeis, M., assignor to Regina Maschinenfabrik, G. M. B. H., Kalk, near Cologne, Germany. Ticket printing and registering apparatus. No. 899,671; Sept. 29; Sp. p. 4891; Dr. pp. 1028-9; Gaz. vol. 136; p. 912.
- Lebert, C., E. Roskoth, and K. Wirth, Ludwigshafen-on-the-Rhine, Germany. Galvanizing sheet metal. No. 894,741; July 28; Sp. p. 4900; Dr. p. 1019; Gaz. vol. 135; p. 855.
- Lebkuecher, F. A., Newark, N. J. Hinge. No. 880,892; Mar. 3; Sp. p. 835; Dr. p. 178; Gaz. vol. 133; p. 140.
- Leblanc, M., Paris, France, assignor to Westinghouse Electric and Manufacturing Company. Damper for the upper harmonics of alternating electric currents. No. 890,776; June 16; Sp. p. 3230; Dr. p. 706; Gaz. vol. 134; p. 1633.
- Lebowitz, W., Waterbury, Conn. Buckle. No. 892,963; July 7; Sp. p. 1150; Dr. p. 242; Gaz. vol. 135; p. 193.
- Lebram, P. G., Berlin, Germany. Preparing carbonic-acid baths. No. 897,546; Sept. 1; Sp. p. 630; Gaz. vol. 136; p. 98.
- Lebri, G., Salem, Mass. Fire-escape. No. 897,634; Sept. 1; Sp. p. 799; Dr. pp. 168-9; Gaz. vol. 136; p. 127.
- Lebwohl, E. N., San Francisco, Cal. Lamp. No. 885,495; Apr. 21; Sp. p. 3727; Dr. p. 787; Gaz. vol. 133; p. 1846.
- Lechner, F. M., assignor to Concentric Engine and Manufacturing Company, Columbus, Ohio. Rotary engine. No. 889,247; June 2; Sp. p. 105; Dr. pp. 24-5; Gaz. vol. 134; p. 1076.
- Lechner, F. W., Wenona, Ill. Brake-handle. No. 877,097; Jan. 21; Sp. p. 2904; Dr. p. 628; Gaz. vol. 132; p. 540.
- Lechner, F. W., Wenona, Ill. Wheel-retainer and attachment-support. No. 889,695; June 2; Sp. p. 1000; Dr. p. 231; Gaz. vol. 134; p. 1219.
- Leclerc, L., New York, N. Y. Automatic egg-boiler. No. 879,057; Feb. 11; Sp. p. 2381; Dr. p. 499; Gaz. vol. 132; p. 1261.
- Lecoutre, A. J., Worcester, Mass., assignor to Royal Worcester Corset Company. Corset. No. 880,802; Mar. 3; Sp. p. 636; Dr. p. 133; Gaz. vol. 133; p. 110.
- Lecoutre, A. J., Worcester, Mass., assignor to Royal Worcester Corset Company. Corset. (Reissue.) No. 12,838; Aug. 4; Sp. p. 1266; Dr. p. 267; Gaz. vol. 135; p. 1105.
- Lecroy, T. T., Lonsdale, Ark. Cotton chopper and cultivator. No. 900,106; Oct. 6; Sp. p. 69; Dr. pp. 12-13; Gaz. vol. 137; p. 1086.
- Leddell, W. J., Summit, N. J. Alloy. No. 901,014; Oct. 13; Sp. p. 2004; Gaz. vol. 136; p. 1409.
- Leder, E., Berlin, Germany. Calculating-machine. No. 902,498; Oct. 27; Sp. p. 5100; Dr. p. 1033; Gaz. vol. 136; p. 1960.
- Lederer, L., Sulzbach, Germany. Separating cellulose esters from solutions. No. 902,093; Oct. 27; Sp. p. 4229; Gaz. vol. 136; p. 1826.
- Lederer, S. L., Providence, R. I. Bracelet. No. 879,881; Feb. 25; Sp. p. 4114; Dr. p. 863; Gaz. vol. 132; p. 1603.
- Lederman, C., Columbus, Ohio. Removable seat. No. 893,930; July 21; Sp. p. 3227; Dr. p. 665; Gaz. vol. 135; p. 568.
- Ledig, R. G., Philadelphia, Pa. Folding go-cart. No. 904,542; Nov. 24; Sp. p. 4132; Gaz. vol. 137; p. 733.
- Ledoux, A. R., *et al.* (See Kendall, E. D., assignor.)
- Ledoux, E., Sheffield, assignor to Simon-Carves Bye-Product Coke-Oven Construction and Working Company Limited, Manchester, England. Coking-oven. No. 904,268; Nov. 17; Sp. p. 3547; Gaz. vol. 137; p. 635.
- Ledoux, J. W., Swarthmore, Pa., assignor to Simplex Valve & Meter Company, Camden, N. J. Automatic flow-controller. No. 879,557; Feb. 18; Sp. p. 3423; Dr. p. 717; Gaz. vol. 132; p. 1466.
- Ledoux, J. W., Swarthmore, Pa., assignor to Simplex Valve & Meter Company, Camden, N. J. Automatic flow-controller. No. 879,558; Feb. 18; Sp. p. 3424; Dr. p. 717; Gaz. vol. 132; p. 1466.
- Ledoux, J. W., Swarthmore, Pa., assignor to Simplex Valve & Meter Company, Camden, N. J. Fluid-meter. No. 902,888; Nov. 3; Sp. p. 730; Gaz. vol. 137; p. 120.
- Ledwinka, J., Philadelphia, Pa. Electrically-propelled vehicle. No. 887,483; May 12; Sp. p. 2359; Dr. pp. 495-6; Gaz. vol. 134; p. 406.
- Ledwinka, J., assignor to R. Thayer, Philadelphia, Pa. Electrically-propelled vehicle. No. 894,333; July 28; Sp. p. 4101; Dr. p. 847; Gaz. vol. 135; p. 722.
- Lee, A. D., Brookline, Mass. Furnace for roasting ores. No. 876,567; Jan. 14; Sp. p. 1797; Dr. pp. 392-3; Gaz. vol. 132; p. 324.
- Lee, A. D., Brookline, Mass. Reverberatory smelting-furnace. No. 888,624; May 26; Sp. p. 4615; Dr. p. 979; Gaz. vol. 134; p. 843.
- Lee, A. D., Brookline, Mass. Oil-burner. No. 903,736; Nov. 10; Sp. p. 2393; Gaz. vol. 137; p. 421.
- Lee, A. D., Brookline, Mass. Oil-burner. No. 903,735; Nov. 10; Sp. p. 2390; Gaz. vol. 137; p. 420.
- Lee, A. H. (See Coltrin, L., assignor.)
- Lee, A. K., Chaparral, Ariz. Ter. Carrier. No. 904,337; Nov. 17; Sp. p. 3708; Gaz. vol. 137; p. 659.
- Lee, A. M., trustee. (See Pease, R. S., assignor.)
- Lee, A. Y., Enterprise, Ala. Window-frame. No. 887,105; May 12; Sp. p. 1534; Dr. p. 324; Gaz. vol. 134; p. 281.
- Lee, C., Butte, Mont. Chair-leg attachment. No. 887,663; May 12; Sp. p. 2698; Dr. p. 570; Gaz. vol. 134; p. 465.
- Lee, C. A. (See Wetmore, W. H., assignor.)
- Lee, C. E., Chicago, Ill., and L. K. Miller, Brooklyn, N. Y. Telegraph-transmitter. No. 876,069; Jan. 7; Sp. p. 752; Dr. p. 159; Gaz. vol. 132; p. 123.
- Lee, C. F. (See Lee, O. S. and C. F.)
- Lee, C. H., New York, N. Y. Speed-changing gear. No. 892,859; July 7; Sp. p. 934; Dr. p. 197; Gaz. vol. 135; p. 156.
- Lee, C. M., Gibbon, Nebr. Hay-loader. No. 900,747; Oct. 13; Sp. p. 1441; Dr. pp. 292-3; Gaz. vol. 136; p. 1321.
- Lee, C. S., assignor to F. G. Turner, Baltimore, Md. Centrifugal sand-drier. No. 882,256; Mar. 17; Sp. p. 3541; Dr. p. 751; Gaz. vol. 133; p. 639.
- Lee, D. C., Detroit, Mich. Automatic printer for paper-rolls. No. 887,730; May 12; Sp. p. 2818; Dr. p. 555; Gaz. vol. 134; p. 489.
- Lee, E., Springfield, Ill. Road-grader. No. 878,643; Feb. 11; Sp. p. 1616; Dr. p. 330; Gaz. vol. 132; p. 1131.
- Lee, E., Springfield, Ill. Road-grader. No. 894,893; Aug. 4; Sp. p. 198; Dr. p. 43; Gaz. vol. 135; p. 931.
- Lee, E. A., Vinita, Okla. Feed-trough. No. 879,559; Feb. 18; Sp. p. 3425; Dr. p. 717; Gaz. vol. 132; p. 1466.
- Lee, F. H., Danbury, Conn. Mold for hats. No. 882,324; Mar. 17; Sp. p. 3674; Dr. p. 780; Gaz. vol. 134; p. 662.
- Lee, G. H., Omaha, Nebr. Brooder-house. No. 889,696; June 2; Sp. p. 1002; Dr. p. 231; Gaz. vol. 133; p. 1219.
- Lee, G. H., Omaha, Nebr. Incubator. No. 889,697; June 2; Sp. p. 1003; Dr. p. 231; Gaz. vol. 133; p. 1219.
- Lee, G. H., Omaha, Nebr. Ventilator for hen-houses or brooders. No. 906,243; Dec. 8; Sp. p. 2233; Gaz. vol. 137; p. 1381.
- Lee, H., Kensington, New South Wales, Australia. Rotary engine. No. 902,239; Oct. 27; Sp. p. 4532; Dr. p. 918; Gaz. vol. 136; p. 1872.
- Lee, H., Kensington, near Sydney, New South Wales, Australia. Internal-combustion rotary engine. No. 904,974; Nov. 24; Sp. p. 5030; Gaz. vol. 137; p. 897.
- Lee, H. C., Ridgewood, N. J., assignor, by mesne assignments, to Kempshall Manufacturing Company, New York, N. Y. Golf-ball. No. 895,476; Aug. 11; Sp. p. 1413; Dr. p. 297; Gaz. vol. 135; p. 1151.
- Lee, H. N., Edgbaston, Birmingham, assignor of one-half to H. Lawrence, Birmingham, England. Sewing-machine. No. 891,843; June 30; Sp. p. 5422; Dr. p. 1172; Gaz. vol. 134; p. 2046.
- Lee, I. T., assignor of one-half to O. E. Dodgen, Gurdon, Ark. Store-goods lifter. No. 895,406; Aug. 4; Sp. p. 1253; Dr. pp. 264-5; Gaz. vol. 135; p. 1103.
- Lee, J. B., Knoxville, Tenn. Cord-clamping device. No. 891,484; June 23; Sp. p. 4662; Dr. p. 1010; Gaz. vol. 134; p. 1895.
- Lee, J. E., Conshohocken, Pa., assignor to Johnson and Johnson, New Brunswick, N. J. Disinfecting device. No. 902,587; Nov. 3; Sp. p. 120; Gaz. vol. 137; p. 19.
- Lee, J. E., Conshohocken, Pa., assignor to Johnson and Johnson, New Brunswick, N. J. Putting up antiseptic bandages. No. 905,083; Nov. 24; Sp. p. 5236; Gaz. vol. 137; p. 933.
- Lee, J. H. (See Barrett, H. G., assignor.)
- Lee, J. H., Chicago, Ill. Game apparatus. No. 888,337; May 19; Sp. p. 4004; Dr. p. 846; Gaz. vol. 134; p. 714.
- Lee, J. L., Pasadena, Cal. Producing stereotype-bases. No. 901,111; Oct. 13; Sp. p. 2184; Dr. pp. 443-4; Gaz. vol. 136; p. 1439.
- Lee, N. A. (See Nelson and Lee.)
- Lee, O. S., Terre Haute, Ind. Vehicle-brake. No. 891,063; June 30; Sp. p. 5851; Dr. p. 1259; Gaz. vol. 134; p. 2117.
- Lee, O. S. and C. F., Youngstown, Ind. Baling-machine. No. 899,309; Sept. 22; Sp. p. 4089; Dr. pp. 873-6; Gaz. vol. 136; p. 759.
- Lee, R. V., Calistoga, Cal. Axle. No. 892,436; July 7; Sp. p. 89; Dr. p. 20; Gaz. vol. 135; p. 19.
- Lee, T. B., Charlotte, N. C. Cotton-compress. No. 902,976; Nov. 3; Sp. p. 884; Gaz. vol. 137; p. 148.
- Lee, T. L., Westfield, N. J., assignor to Hall Signal Company. Interlocking relay. No. 885,061; Apr. 21; Sp. p. 2849; Dr. p. 606; Gaz. vol. 133; p. 1705.
- Lee, W., Chicago, Ill. Match-box. No. 902,418; Oct. 27; Sp. p. 4906; Dr. pp. 993-4; Gaz. vol. 136; p. 1932.
- Leech, C. M., Lima, Ohio. Transmission mechanism for motor-vehicles. No. 901,180; Oct. 13; Sp. p. 2296; Dr. p. 469; Gaz. vol. 136; p. 1460.
- Leech, E. (See Ames, J., assignor.)
- Leech, W., Marysville, Cal. Device for the prevention of onanism in animals. No. 900,863; Oct. 13; Sp. p. 1683; Dr. p. 340; Gaz. vol. 136; p. 1360.
- Leed, R. (See Montgomery and Leed.)
- Leeds, E. F., Mount Carmel, Ill. Air-ship. No. 879,779; Feb. 18; Sp. p. 3872; Dr. pp. 811-12; Gaz. vol. 132; p. 1538.
- Leeds, E. F., and G. Rumpf, New York, N. Y.; said Rumpf assignor to said Leeds. Phonograph. No. 897,836; Sept. 1; Sp. p. 1211; Dr. pp. 258-9; Gaz. vol. 136; p. 192.
- Leeds and Northrup Company. (See Northrup, E. F., assignor.)

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- Leef, G. H., Minneapolis, Minn. Rubber heel-plate. No. 908,109; Dec. 29; Sp. p. 5936; Gaz. vol. 137; p. 278.
- Leen, J. D., assignor of one-third to S. and E. L. Sterns, Bangor, Me. Nail-cabinet. No. 895,095; Aug. 4; Sp. p. 637; Dr. p. 132; Gaz. vol. 135; p. 1000.
- Leen, M., Tralee, Ireland. Machine for slicing butter. No. 900,107; Oct. 6; Sp. p. 70; Dr. p. 13; Gaz. vol. 136; p. 1086.
- Leeper, J. F., Lewistown, Pa. Tobacco-moistener. No. 893,740; July 21; Sp. p. 2848; Dr. p. 585; Gaz. vol. 135; p. 506.
- Leer, C. E., Paris, Ky. Bookkeeping-file. No. 895,031; Aug. 4; Sp. p. 521; Dr. p. 106; Gaz. vol. 135; p. 980.
- Lees, E. J., assignor to Grant-Lees Machine Company, Cleveland, Ohio. Cutter-head for gear-cutting machines. No. 905,084; Nov. 24; Sp. p. 5237; Gaz. vol. 137; p. 934.
- Lees, H. A. (See Lees and Grise.)
- Lees, J., Montreal, Quebec, Canada. Grate. No. 889,698; June 2; Sp. p. 1005; Dr. p. 232; Gaz. vol. 134; p. 1220.
- Lees, W. F. and H. A., and C. W. Grise, San Diego, Cal. Elastic-fluid turbine. No. 898,753; Sept. 15; Sp. p. 3029; Dr. pp. 649-50; Gaz. vol. 136; p. 551.
- Leesberg, F. W., St. Louis, Mo. Shank-stiffener. No. 892,064; June 30; Sp. p. 5852; Dr. p. 1259; Gaz. vol. 134; p. 2118.
- Leese, H. M., Washington, D. C. Desk. No. 896,028; Aug. 11; Sp. p. 2506; Dr. p. 540; Gaz. vol. 135; p. 1329.
- Leese, H. M., Washington, D. C. Tire-protector. No. 906,437; Dec. 8; Sp. p. 2572; Gaz. vol. 137; p. 1442.
- Lefebvre, E. A., Jr., Brooklyn, N. Y. Plural lamp-socket. No. 896,122; Aug. 18; Sp. p. 2675; Dr. p. 577; Gaz. vol. 135; p. 1381.
- Lefebvre, P. F., Hartford, Conn. Ice-creper. No. 883,816; Apr. 7; Sp. p. 285; Dr. p. 53; Gaz. vol. 133; p. 1238.
- Leffer, L. G., Cologne-Lindenthal, Germany. Flushing-tank. No. 892,274; June 30; Sp. p. 6260; Dr. p. 1347; Gaz. vol. 134; p. 2188.
- Leferts, H. D. B., Orange, assignor of one-half to E. De Camp, Newark, N. J. Reinforced pneumatic tire. No. 885,062; Apr. 21; Sp. p. 2850; Dr. p. 606; Gaz. vol. 133; p. 1706.
- Leferts, H. D. B., and E. De Camp, Orange, N. J. Pneumatic tire. No. 878,075; Feb. 4; Sp. p. 371; Dr. p. 77; Gaz. vol. 132; p. 908.
- Leferts, J. A., and T. W. Simcox, Elizabeth, N. J. Molding-machine. No. 888,242; May 19; Sp. p. 3821; Dr. pp. 802-3; Gaz. vol. 134; p. 684.
- Leffler, C., New York, N. Y. Die. No. 905,719; Dec. 1; Sp. p. 1193; Gaz. vol. 137; p. 1178.
- Leffler, C., New York, N. Y., assignor to H. J. White, Westfield, N. J. Machine for coating can-covers. No. 885,625; Apr. 21; Sp. p. 4010; Dr. p. 838; Gaz. vol. 133; p. 1886.
- Leftwich, W. D., Pittsburg, Pa. Coupling mechanism. No. 900,558; Oct. 6; Sp. p. 1047; Dr. p. 215; Gaz. vol. 136; p. 1233.
- Legan, H. N., Denver, Colo. Hook and eye. No. 902,746; Nov. 3; Sp. p. 421; Gaz. vol. 137; p. 73.
- Légé, A. J. B., Barnsbury, London, England. Motion-transmitting device for motive-power engines. No. 876,202; Jan. 7; Sp. p. 999; Dr. p. 216-17; Gaz. vol. 132; p. 170.
- Leger, A. O., assignor of one-half to J. M. Collins, Springfield, Mass. Antirattler for windows. No. 891,625; June 23; Sp. p. 4956; Dr. p. 1067; Gaz. vol. 134; p. 1941.
- Legere, P. M., Berlin, N. H. Protector for set-screws. No. 904,338; Nov. 17; Sp. p. 3709; Gaz. vol. 137; p. 659.
- Legge, L. B., assignor of one-half to D. W. Toomey, Stoughton, Mass. Caster. No. 888,426; May 19; Sp. p. 4197; Dr. p. 890; Gaz. vol. 134; p. 744.
- Legge, W. D., assignor to Universal Bottle Wrapper Company, Chicago, Ill. Bottle-wrapper machine. No. 876,364; Jan. 14; Sp. p. 1344; Dr. pp. 292-3; Gaz. vol. 132; p. 254.
- Legge, W. D., and L. N. Weil, assignors to Universal Bottle Wrapper Company, Chicago, Ill. Bottle-wrapper. No. 876,365; Jan. 14; Sp. p. 1349; Dr. p. 293; Gaz. vol. 132; p. 255.
- Leggett, J. P., Carthage, Mo. Frame for supporting and confining coiled springs. No. 887,664; May 12; Sp. p. 2700; Dr. p. 571; Gaz. vol. 134; p. 465.
- Lehikoinen, M. (See Manning, C., assignor.)
- Lehman, A. J., Columbus, Ohio. Automobile-axle. No. 876,978; Jan. 21; Sp. p. 2649; Dr. p. 576; Gaz. vol. 132; p. 500.
- Lehman, R. N., Salt Lake City, Utah. Wrench. No. 890,521; June 9; Sp. p. 2656; Dr. p. 587; Gaz. vol. 134; p. 1514.
- Lehman, F. J., Toledo, Ohio. Car-fender. No. 877,098; Jan. 21; Sp. p. 2906; Dr. p. 628; Gaz. vol. 132; p. 540.
- Lehman, J., Toronto, Ontario, Canada. Oar. No. 882,072; Mar. 17; Sp. p. 3195; Dr. p. 679; Gaz. vol. 133; p. 581.
- Lehman, M. A. (See Fairchild, E. N., assignor.)
- Lehman, O. A., Hoboken, N. J. Combined collar and button box. No. 906,638; Dec. 15; Sp. p. 2941; Gaz. vol. 137; p. 1531.
- Lehman, S. A., Fort Wayne, Ind. Lubricating-oil feeder. No. 889,248; June 2; Sp. p. 107; Dr. p. 25; Gaz. vol. 134; p. 1076.
- Lehmann, E., Marchienne-au-Pont, Belgium. Friction-clutch. No. 880,083; Feb. 25; Sp. p. 4536; Dr. p. 955; Gaz. vol. 132; p. 1671.
- Lehmann, E., assignor of one-half to G. P. Daily, Hammond, Ind. Crate. No. 884,508; Apr. 14; Sp. p. 1699; Dr. p. 365; Gaz. vol. 133; p. 1493.
- Lehmann, E. P., Brandenburg-on-the-Havel, Germany. Packing-box. No. 891,554; June 23; Sp. p. 4807; Dr. p. 1038; Gaz. vol. 134; p. 1918.
- Lehmann, E. P., Bradenburg, Germany. Candle-holder. No. 898,660; Sept. 15; Sp. p. 2865; Dr. p. 612; Gaz. vol. 136; p. 522.
- Lehmann, J. (See Köhler and Lehmann.)
- Lehmann, J. C., assignor of three-fifths to H. W. and J. J. Aylward and J. Schlagel, New York, N. Y. Hook for lacings. No. 881,421; Mar. 10; Sp. p. 1853; Dr. p. 403; Gaz. vol. 133; p. 339.
- Lehmann, L. A., Corona, N. Y. Dumping-bucket. No. 891,940; June 30; Sp. p. 5612; Dr. p. 1210; Gaz. vol. 134; p. 2079.
- Lehnbeuter, J., and C. R. Brunnacker, assignors to Claes & Lehnbeuter Manufacturing Co., St. Louis, Mo. Bar-counter box. No. 889,140; May 26; Sp. p. 5677; Dr. p. 1202; Gaz. vol. 134; p. 1008.
- Lehnert, F. H., Dresden-Plauen, Germany. Tube and flue cleaner. No. 876,566; Jan. 14; Sp. p. 1795; Dr. p. 392; Gaz. vol. 132; p. 324.
- Lehr, E., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Potential-regulator. No. 876,979; Jan. 21; Sp. p. 2650; Dr. p. 576; Gaz. vol. 132; p. 500.
- Lehy, G. B., Boston, Mass. Advertising device. No. 885,350; Apr. 21; Sp. p. 3477; Dr. pp. 724-5; Gaz. vol. 133; p. 1802.
- Leichnam, G., Denain, France. Coal-cutting machine. No. 904,623; Nov. 24; Sp. p. 4287; Gaz. vol. 137; p. 781.
- Laidy, D. F., Carrington, N. D. Bread-slicer. No. 907,153; Dec. 22; Sp. p. 3934; Gaz. vol. 137; p. 1731.
- Leifer, J. A., Bucyrus, Ohio. Cord-holder. No. 905,892; Dec. 8; Sp. p. 1537; Gaz. vol. 137; p. 1266.
- Leigh, S., Winfred, S. D. Reel for wire fence. No. 906,725; Dec. 15; Sp. p. 3108; Gaz. vol. 137; p. 1559.
- Leighton, A. M., Avon, assignor to W. B. Arnold, North Abington, Mass. Rubber heel. No. 906,807; Dec. 15; Sp. p. 3264; Gaz. vol. 137; p. 1585.
- Leighton, G., Paris, France. Spring-hook. No. 875,714; Jan. 7; Sp. p. 71; Dr. p. 15; Gaz. vol. 132; p. 15.
- Leighton, H., Seattle, Wash. Apparatus for magnetically concentrating ores. No. 877,439; Jan. 21; Sp. p. 3595; Dr. p. 779; Gaz. vol. 132; p. 654.
- Leighton, H. J., Syracuse, N. Y. Internal-combustion engine. No. 898,117; Sept. 8; Sp. p. 1811; Dr. p. 384; Gaz. vol. 136; p. 315.
- Leilich, H. L., assignor to Delphos Manufacturing Company, Delphos, Ohio. Corn-popper. No. 901,302; Oct. 13; Sp. p. 2545; Dr. p. 523; Gaz. vol. 136; p. 1500.
- Leilich, J. A. W. (See Hayn and Leilich.)
- Leiman, G. W. and W. H., New York, N. Y. Blower. No. 883,464; Mar. 31; Sp. p. 5964; Dr. p. 1272; Gaz. vol. 133; p. 1099.
- Leiman, W. H. (See Leiman, G. W. and W. H.)
- Leipziger Pöhlenwerke Gesellschaft mit beschränkter Haftung. (See Müller, A., assignor.)
- Leisel, A., Peekskill, N. Y., assignor to Leisel Manufacturing Company, Newark, N. J. Machine for making embossed wall-paper. No. 885,351; Apr. 21; Sp. p. 3479; Dr. p. 725; Gaz. vol. 133; p. 1802.
- Leisel Manufacturing Company. (See Leisel, A., assignor.)
- Leiser, B. F., South Bend, Ind. Moistening device. No. 900,748; Oct. 13; Sp. p. 1443; Dr. p. 293; Gaz. vol. 136; p. 1322.
- Leisner, G. L., Stephen, Minn. Check-puncher. No. 887,665; May 12; Sp. p. 2702; Dr. pp. 571-2; Gaz. vol. 134; p. 465.
- Leisner, G. L., Stephen, Minn. Bundle-shocker. No. 903,207; Nov. 10; Sp. p. 1346; Gaz. vol. 137; p. 251.
- Leitch, A. J., assignor to Virginia Blower & Manufacturing Company, Incorporated, Richmond, Va. Stationary ejector-ventilator. No. 891,485; June 23; Sp. p. 4663; Dr. p. 1010; Gaz. vol. 134; p. 1886.
- Leitch, E. H. (See Schmidt, F. G., assignor.)
- Leitch, M., Brooklyn, N. Y., assignor, by mesne assignments, to Metal Process Company. Separating incombustible materials having different melting temperatures. No. 883,208; Mar. 31; Sp. p. 5411; Dr. p. 1153; Gaz. vol. 133; p. 1015.
- Leitch, M., Elizabeth, N. J., assignor, by mesne assignments, to Metal Process Company. Washing apparatus. No. 878,544; Feb. 11; Sp. p. 1386; Dr. p. 285; Gaz. vol. 132; p. 1097.
- Leitch, M., Elizabeth, N. J., assignor to Metal Process Company. Tin-scrap rending and shredding apparatus. No. 883,209; Mar. 31; Sp. p. 5413; Dr. p. 1153; Gaz. vol. 133; p. 1015.
- Leitch, M., Elizabeth, N. J., assignor to Metal Process Company. Treating tin-scrap. No. 883,210; Mar. 31; Sp. p. 5416; Dr. p. 1154; Gaz. vol. 133; p. 1016.
- Leitch, M., Elizabeth, N. J., assignor to Metal Process Company. Apparatus for detinning tin-scrap. No. 883,410; Mar. 31; Sp. p. 5846; Dr. pp. 1246-7; Gaz. vol. 133; p. 1081.

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- Leitch, M., Elizabeth, N. J., assignor to Metal Process Company. Detinning tin-scrap. No. 883,411; Mar. 31; Sp. p. 5850; Dr. p. 1247; Gaz. vol. 133; p. 1081.
- Leitch, M., Springfield, Mass., assignor, by mesne assignments, to Metal Process Company. Apparatus for treating tin-scrap. No. 883,211; Mar. 31; Sp. p. 5418; Dr. pp. 1154-5; Gaz. vol. 133; p. 1016.
- Leitch, M., Springfield, Mass., assignor to Metal Process Company. Detinning tin-scrap. (Reissue.) No. 12,803; June 2; Sp. p. 1358; Dr. pp. 309-10; Gaz. vol. 134; p. 1281.
- Leitch, M., Springfield, Mass., assignor to Metal Process Company, New York, N. Y. Apparatus for treating tin-scrap. No. 891,496; June 23; Sp. p. 4664; Dr. p. 1011; Gaz. vol. 134; p. 1896.
- Leitch, M., Springfield, Mass., assignor to Metal Process Company, New York, N. Y. Detinning tin-scrap. No. 907,061; Dec. 15; Sp. p. 3734; Gaz. vol. 137; p. 1665.
- Leitch, T. S., Seattle, Wash. Roller-skate. No. 900,177; Oct. 6; Sp. p. 225; Dr. p. 46; Gaz. vol. 136; p. 1109.
- Leitch, W. A., assignor of one-half to F. J. Hodgins, Sarles, N. D. Grain-shocking machine. No. 900,559; Oct. 6; Sp. p. 1049; Dr. pp. 215-16; Gaz. vol. 136; p. 1233.
- Leitenberger, F. W., assignor to Reading Standard Company, Reading, Pa. Sparking cut-out for internal-combustion engines. No. 893,333; July 14; Sp. p. 1899; Dr. p. 397; Gaz. vol. 135; p. 342.
- Leith, E. G., Titusville, Pa. Chimney and chimney-flue. No. 893,528; July 14; Sp. p. 2308; Dr. p. 484; Gaz. vol. 135; p. 405.
- Leitner, G. H., Augusta, Ga., assignor to Draper Company, Hopedale, Mass. Loom. No. 887,484; May 12; Sp. p. 2361; Dr. p. 497; Gaz. vol. 134; p. 406.
- Leitner, G. H., Augusta, Ga., assignor to Draper Company, Hopedale, Mass. Take-up mechanism for looms. No. 887,485; May 12; Sp. p. 2368; Dr. pp. 497-8; Gaz. vol. 134; p. 407.
- Leitner, H., Woking, England. Means for regulating electric circuits. No. 907,380; Dec. 22; Sp. p. 4395; Gaz. vol. 137; p. 1808.
- Leland, S. D., Winchester, assignor to United Shoe Machinery Company, Boston, Mass. Protective slug. No. 889,383; June 2; Sp. p. 336; Dr. p. 91; Gaz. vol. 134; p. 1119.
- Lellau, O. (See Heidecke and Lellau.)
- Lemay, H. S. (See Wheeler, C. B., assignor.)
- Lemay, J., New York, N. Y. Garment-clasp. No. 886,709; May 5; Sp. p. 761; Dr. p. 155; Gaz. vol. 134; p. 127.
- Lemay, L. L., Pepperell, Mass. Headlight-support. No. 882,898; Mar. 24; Sp. p. 4792; Dr. p. 1019; Gaz. vol. 133; p. 881.
- Lembcke, C. E., New York, N. Y. Eyeglass-case. No. 903,737; Nov. 10; Sp. p. 2396; Gaz. vol. 137; p. 421.
- Lemblé, J., Sennheim, Germany. Electric type-writer. No. 884,742; Apr. 14; Sp. p. 2206; Dr. pp. 466-7; Gaz. vol. 133; p. 1571.
- Lemerand, E. C., Monroe, Mich. Portable hitching-post. No. 906,438; Dec. 8; Sp. p. 2573; Gaz. vol. 137; p. 1442.
- Leming, C. A. (See Sturgis and Leming.)
- Lemire, J., Drummondville, Quebec, Canada. Combination and management of electric circuits and their application to railway signaling systems. No. 907,614; Dec. 22; Sp. p. 4891; Gaz. vol. 137; p. 1885.
- Lemly, S., Texarkana, Tex. Collapsible barrel. No. 900,864; Oct. 13; Sp. p. 1684; Dr. p. 341; Gaz. vol. 136; p. 1360.
- Lemmon, W. W., Junior, La. Cane-loader. No. 884,938; Apr. 14; Sp. p. 2592; Dr. p. 547; Gaz. vol. 133; p. 1632.
- Lemon, G. J. (See Lemon, J. M., assignor.)
- Lemon, J. M., assignor of one-half to G. J. Lemon, Mono Mills, Ontario, Canada. Apparatus for drying clothes. No. 898,051; Sept. 8; Sp. p. 1679; Dr. p. 356; Gaz. vol. 136; p. 294.
- Lemon, J. T., assignor of one-half to H. M. Freck, Columbus, Ohio. Water supply system. No. 904,883; Nov. 24; Sp. p. 4857; Gaz. vol. 137; p. 868.
- Lemp, H., Lynn, Mass., assignor to General Electric Company. Flue construction for self-propelled vehicles. No. 876,960; Jan. 21; Sp. p. 2653; Dr. pp. 576-7; Gaz. vol. 132; p. 500.
- Lemp, H., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Means for regulating the supply of fuel to burners. No. 888,243; May 19; Sp. p. 3824; Dr. p. 803; Gaz. vol. 134; p. 684.
- Lemp, H., Lynn, Mass., assignor to General Electric Company. Device for simultaneously controlling the spark and throttle of an internal-combustion engine. No. 896,305; Aug. 18; Sp. p. 3036; Dr. p. 652; Gaz. vol. 135; p. 1440.
- Lemp, H., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Power-generating system. No. 903,487; Nov. 10; Sp. p. 1902; Gaz. vol. 137; p. 343.
- Lemp, H., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. System of fuel-supply for hydrocarbon-burners. No. 903,738; Nov. 10; Sp. p. 2396; Gaz. vol. 137; p. 422.
- Lemp, H., and H. S. Baldwin, Lynn, Mass., assignors to General Electric Company. Brake mechanism for self-propelled vehicles. No. 890,666; June 16; Sp. p. 2984; Dr. p. 654; Gaz. vol. 134; p. 1596.
- Lemyre, J. E., Manchester, N. H. Bobbin for cotton-ooms. No. 879,278; Feb. 18; Sp. p. 2831; Dr. p. 593; Gaz. vol. 132; p. 1375.
- Lenderyou, J., Rogerstone, Monmouth, England. Device for locating and determining punctures in pneumatic tires. No. 894,156; July 21; Sp. p. 3695; Dr. p. 767; Gaz. vol. 135; p. 642.
- Lendi, J. H., and A. H. Simmons, assignors to Belden Manufacturing Company, Chicago, Ill. Winding-machine. No. 894,273; July 28; Sp. p. 3979; Dr. pp. 820-1; Gaz. vol. 135; p. 702.
- Lendrich, K., Hamburg, Germany, assignor to H. Lieber, New York, N. Y. Liquid soap and producing the same. No. 895,477; Aug. 11; Sp. p. 1414; Gaz. vol. 135; p. 1151.
- Lenhart, C. H., Plymouth, Wis. Chair-seat. No. 899,745; Sept. 29; Sp. p. 4960; Dr. p. 1063; Gaz. vol. 136; p. 937.
- Lenker, W. G., Sunbury, Pa. Leveling-rod. No. 905,441; Dec. 1; Sp. p. 666; Gaz. vol. 137; p. 1090.
- Lenker, W. G., Sunbury, Pa. Leveling-rod. No. 905,442; Dec. 1; Sp. p. 669; Gaz. vol. 137; p. 1091.
- Lenker, W. H. (See Groff, W. L., assignor.)
- Lenkey, F., and J. Szalay, New York, N. Y. Box-fastener. No. 897,837; Sept. 1; Sp. p. 1216; Dr. p. 259; Gaz. vol. 136; p. 193.
- Lenkey, F., and J. Szalay, New York, N. Y. Sash-holder. No. 907,381; Dec. 22; Sp. p. 4398; Gaz. vol. 137; p. 1809.
- Lennig, G. G., assignor to H. O. Wilbur & Sons, Philadelphia, Pa. Machine for molding chocolate. No. 907,382; Dec. 22; Sp. p. 4398; Gaz. vol. 137; p. 1809.
- Lennox, A. B. (See Black and Lennox.)
- Lennox, A. H. (See Black and Lennox.)
- Lennox, C. D., et al. (See Fish, J., assignor.)
- Lennox, D., Marshalltown, Iowa. Platform-scale. No. 901,356; Oct. 20; Sp. p. 2671; Dr. p. 548; Gaz. vol. 136; p. 1554.
- Lennox, H. (See Black and Lennox.)
- Lennox, J., Brackenridge, Pa. Trolley-head. No. 882,153; Mar. 17; Sp. p. 3328; Dr. p. 709; Gaz. vol. 133; p. 606.
- Lennox, L. J., Detroit, Mich. Folding bed. No. 892,998; July 14; Sp. p. 1252; Dr. p. 263; Gaz. vol. 135; p. 233.
- Lenox, L. J. (See Enell, O. E., assignor.)
- Lenox, R. K., New York, N. Y. Hand-loom. No. 876,813; Jan. 14; Sp. p. 2271; Dr. p. 499; Gaz. vol. 132; p. 404.
- Lenschow, O., and C. Mathieson, Butte, Mont. Cooking vessel. No. 883,652; Mar. 31; Sp. p. 6339; Dr. p. 1351; Gaz. vol. 133; p. 1156.
- Lentz, H., Halensee, Germany, and C. Bellens, Neuilly-sur-Seine, France. Fluid-pressure engine. No. 877,847; Jan. 28; Sp. p. 4384; Dr. p. 954; Gaz. vol. 132; p. 805.
- Lentz, H., Halensee, near Berlin, Germany, and C. Bellens, Neuilly-sur-Seine, France. Shifting eccentric. No. 883,031; Mar. 24; Sp. p. 5043; Dr. p. 1074; Gaz. vol. 133; p. 926.
- Lentz, H., Halensee, near Berlin, and W. Voit, Berlin-Steglitz, Germany. Distributing-valve. No. 881,863; Mar. 10; Sp. p. 2731; Dr. p. 585; Gaz. vol. 133; p. 483.
- Lentz, J. A., Phoenix, Ariz. Ter. Apparatus for forming dental structures. No. 886,140; Apr. 28; Sp. p. 5093; Dr. p. 1069; Gaz. vol. 133; p. 2085.
- Leon, K. O., Stockholm, Sweden. Apparatus for regulating the depth of moored floating bodies. No. 881,136; Mar. 10; Sp. p. 1288; Dr. pp. 277-8; Gaz. vol. 133; p. 248.
- León, L. Y., San Juan, Porto Rico. Spring. No. 903,587; Nov. 10; Sp. p. 2120; Gaz. vol. 137; p. 376.
- Leonard, A. G., Chicago, Ill. Watering device. No. 887,204; May 12; Sp. p. 1700; Dr. p. 361; Gaz. vol. 134; p. 311.
- Leonard, A. L., Columbus, Ga. Heater. No. 899,546; Sept. 29; Sp. p. 4555; Dr. p. 979; Gaz. vol. 136; p. 872.
- Leonard, B. (See Harrington and Leonard.)
- Leonard, C. B. (See Fivesash and Leonard.)
- Leonard, C. N., Indianapolis, Ind., assignor to Seneca Camera Manufacturing Company, Rochester, N. Y. Tripod. No. 894,672; July 28; Sp. p. 4780; Dr. p. 992; Gaz. vol. 135; p. 833.
- Leonard, G. W. (See Ehrhart and Leonard.)
- Leonard, H. R. (See Mershon and Leonard.)
- Leonard, H. W., Bronxville, N. Y. Controlling means for electric motors. No. 888,447; May 19; Sp. p. 4241; Dr. p. 899; Gaz. vol. 134; p. 751.
- Leonard, H. W., Bronxville, N. Y. Automatically controlling electric motors. No. 890,144; June 9; Sp. p. 1897; Dr. p. 421; Gaz. vol. 134; p. 1393.

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- Leonard, L. P., St. Cloud, Minn. Fresh-air-treatment apparatus. No. 879,391; Feb. 18; Sp. p. 3065; Dr. p. 638; Gaz. vol. 132; p. 1411.
- Leonard, M. (See Williams and Leonard.)
- Leonard, M., Salina, Kans. Grain-separator. No. 881,422; Mar. 10; Sp. p. 1854; Dr. p. 403; Gaz. vol. 133; p. 339.
- Leonard, S. A., Cleveland, Ohio. Rheostat. No. 888,517; May 26; Sp. p. 4379; Dr. pp. 927-8; Gaz. vol. 134; p. 803.
- Leonard, S. E., Cleveland, Ohio. Steering apparatus for boats and the like. No. 907,252; Dec. 22; Sp. p. 4162; Gaz. vol. 137; p. 1766.
- Leonard, T. H., Piqua, Ohio. Draft attachment for vehicle-thills. No. 900,178; Oct. 6; Sp. p. 227; Dr. p. 46; Gaz. vol. 136; p. 1109.
- Leonard, W. A., assignor to Geometric Tool Company, New Haven, Conn. Tap-holder. No. 876,723; Jan. 14; Sp. p. 2125; Dr. p. 467; Gaz. vol. 132; p. 377.
- Leonard, W. A., assignor to Geometric Tool Company, New Haven, Conn. Roller feed mechanism. No. 899,492; Sept. 22; Sp. p. 4416; Dr. p. 948; Gaz. vol. 136; p. 818.
- Leonard, W. B., Chicago, Ill. Amusement device. No. 900,749; Oct. 13; Sp. p. 1445; Dr. p. 293; Gaz. vol. 136; p. 1322.
- Leonard, W. B., Chicago, Ill. Amusement device. No. 903,208; Nov. 10; Sp. p. 1351; Gaz. vol. 137; p. 251.
- Leonard, A. H., Roxbury, Mass. Automatic alarm for refrigerator drip-pans. No. 884,828; Apr. 14; Sp. p. 2379; Dr. p. 501; Gaz. vol. 133; p. 1600.
- Leopold, F. B. (See Jones and Leopold.)
- Leopold, G. O., assignor to North Bros. M'fg Co., Philadelphia, Pa. Ratchet mechanism. No. 894,673; July 28; Sp. p. 4783; Dr. p. 993; Gaz. vol. 135; p. 834.
- Leopold, G. O., assignor to North Bros. M'fg Co., Philadelphia, Pa. Speed-change gear. No. 906,902; Dec. 15; Sp. p. 3454; Gaz. vol. 137; p. 1615.
- Leopold, L. C., Hancock, Iowa. Latch with pivoted case. No. 885,496; Apr. 21; Sp. p. 3738; Dr. p. 787; Gaz. vol. 133; p. 1847.
- Leopold, R. (See Schirmacher and Leopold.)
- Lepage, J. E., Two Harbors, Minn. Non-refillable bottle. No. 876,931; Jan. 21; Sp. p. 2656; Dr. p. 577; Gaz. vol. 132; p. 501.
- Lepard, W. W., Otsego, Mich. Convertible chair. No. 877,204; Jan. 21; Sp. p. 3139; Dr. pp. 680-1; Gaz. vol. 132; p. 577.
- Lepard, W. W., Otsego, Mich. Convertible chair. No. 907,253; Dec. 22; Sp. p. 4165; Gaz. vol. 137; p. 1766.
- Lepley, D. F., Connellsville, Pa. Triplex pump. No. 879,560; Feb. 18; Sp. p. 3426; Dr. p. 718; Gaz. vol. 132; p. 1467.
- Lepley, D. F., Connellsville, Pa. Friction-clutch. No. 897,909; Sept. 8; Sp. p. 1378; Dr. p. 294; Gaz. vol. 136; p. 249.
- Lepley, D. F., Connellsville, Pa. Blast-fan. No. 905,195; Dec. 1; Sp. p. 148; Gaz. vol. 137; p. 1007.
- Lepley, T. B., Blue Springs, Nebr. Form for making cisterns. No. 902,666; Nov. 3; Sp. p. 261; Gaz. vol. 137; p. 44.
- Lepperhoff, B., Barmen, Germany, assignor to Sutro Bros. Braid Company, New York, N. Y. Switch for plaiting and braiding machines. No. 886,825; May 5; Sp. p. 997; Dr. p. 210; Gaz. vol. 134; p. 163.
- Lepperhoff, B., Barmen, Germany, assignor to Sutro Bros. Braid Company, New York, N. Y. Braiding-machine. No. 894,022; July 21; Sp. p. 3441; Dr. pp. 703-4; Gaz. vol. 135; p. 599.
- Leppia, J., Pittsburg, Pa. Bar for skylights and similar constructions. No. 878,211; Feb. 4; Sp. p. 655; Dr. p. 134; Gaz. vol. 132; p. 952.
- Lequin, J. L., et al. (See Henry, G. W., assignor.)
- Lerch, S. P., Canton, Ohio. Rake. No. 890,074; June 9; Sp. p. 1763; Dr. p. 390; Gaz. vol. 134; p. 1370.
- Lerch, T., and H. S. Clark, Cleveland, Ohio. Chemical fire-engine. No. 880,676; Mar. 3; Sp. p. 370; Dr. p. 81; Gaz. vol. 133; p. 66.
- Leresche, J. E., St. Julien-du-Sault, France. Razor. No. 892,750; July 7; Sp. p. 706; Dr. p. 150; Gaz. vol. 135; p. 122.
- Lerille, N. L., Lockport, La. Attachment for seines. No. 902,419; Oct. 27; Sp. p. 4907; Dr. p. 994; Gaz. vol. 136; p. 1932.
- Lerro, A. R., Philadelphia, Pa. Barber's chair. No. 876,982; Jan. 21; Sp. p. 2658; Dr. pp. 577-8; Gaz. vol. 132; p. 501.
- Leschinski, J., Philadelphia, Pa. Coal-chute. No. 889,023; May 26; Sp. p. 5434; Dr. p. 1155; Gaz. vol. 134; p. 970.
- Lesemann, W., Egg Harbor City, N. J. Gearing. No. 903,739; Nov. 10; Sp. p. 2402; Gaz. vol. 137; p. 422.
- Lesh, D. W. (See Lesh, I. C. and D. W.)
- Lesh, I. C. and D. W., Ault, Colo. Beet-harvesting machine. No. 896,557; Aug. 18; Sp. p. 3544; Dr. p. 761; Gaz. vol. 135; p. 1522.
- Leslie, B. J., assignor of one-half to S. J. Sarkeys, Chicago, Ill. Railway-car. No. 905,820; Dec. 1; Sp. p. 1395; Gaz. vol. 137; p. 1212.
- Leslie, H. M., Marikuppam, India. Automatic filtering-machine. No. 892,275; June 30; Sp. p. 6261; Dr. pp. 1347-8; Gaz. vol. 134; p. 2188.
- Leslie, L. L. (See Sinclair and Leslie.)
- Lesser, F., assignor to Lesser Manufacturing Company, Portland, Oreg. Non-refillable bottle. No. 875,937; Jan. 7; Sp. p. 476; Dr. p. 103; Gaz. vol. 132; p. 88.
- Lesser Manufacturing Company. (See Lesser, F., assignor.)
- Lestage, F. T., New Haven, Conn. Pipe-wrench. No. 883,817; Apr. 7; Sp. p. 286; Dr. p. 53; Gaz. vol. 133; p. 1238.
- Lester, G. W., Chicago, Ill. Feed-bag. No. 880,226; Feb. 25; Sp. p. 4833; Dr. p. 1022; Gaz. vol. 132; p. 1719.
- Lester, H. B., West Hartford, Conn. Automatic screw-machine. No. 876,814; Jan. 14; Sp. p. 2272; Dr. pp. 500-1; Gaz. vol. 132; p. 404.
- Lester, H. B., Hartford, Conn. Tubular stock-spindle for automatic rod or wire working machines. No. 894,387; July 28; Sp. p. 4207; Dr. p. 868; Gaz. vol. 135; p. 740.
- Lester, H. W., assignor to Post & Lester Company, Hartford, Conn. Horn. No. 885,493; Apr. 21; Sp. p. 3735; Dr. p. 786; Gaz. vol. 133; p. 1846.
- Lester, L., Tuscola, Ill. Device for transferring boxes from and to vehicles. No. 892,437; July 7; Sp. p. 90; Dr. p. 20; Gaz. vol. 135; p. 19.
- Lester, L., Tuscola, Ill. Gate-hinge. No. 897,296; Sept. 1; Sp. p. 52; Dr. p. 12; Gaz. vol. 136; p. 12.
- Lester, L., Tuscola, Ill. Hay-rack hoist. No. 903,874; Nov. 17; Sp. p. 2715; Gaz. vol. 137; p. 501.
- Lester, J. E., New York, N. Y., assignor, by mesne assignments, to Electrolytic Filtering and Purifying Co. Electric water-purifier. No. 887,666; May 12; Sp. p. 2705; Dr. p. 572; Gaz. vol. 134; p. 466.
- Lester, J. S., Louisville, Ky. Hoe. No. 902,094; Oct. 27; Sp. p. 4230; Dr. p. 857; Gaz. vol. 136; p. 1826.
- Lester, W. L. (See Steed, I. P., assignor.)
- Letteri, C. (See Ulrich and Letteri.)
- Lettinger, G. W., Philadelphia, Pa. Detachable body and truck for cars. No. 895,278; Aug. 4; Sp. p. 1026; Dr. p. 214; Gaz. vol. 135; p. 1063.
- Letts, A., et al. (See Smith, G. A., assignor.)
- Letzing, C. J., Boston, Mass. Thermostat. No. 887,949; May 19; Sp. p. 3279; Dr. p. 689; Gaz. vol. 134; p. 590.
- Letzkus, E. A., Allegheny Pa. Exercising apparatus. No. 878,810; Feb. 11; Sp. p. 1935; Dr. p. 400; Gaz. vol. 132; p. 1184.
- Leu, L. A., Fessenden, N. D. Cigar-holder. No. 895,568; Aug. 11; Sp. p. 1587; Dr. p. 336; Gaz. vol. 135; p. 1130.
- Leuenberger, C. A., Bözingen, near Bienne, assignor to Firm of Aktiengesellschaft vormals Bloesch, Schwab & Cie., Bözingen, Switzerland. Apparatus for filling packing-drawers with pins, nails, and the like. No. 884,743; Apr. 14; Sp. p. 2213; Dr. p. 467; Gaz. vol. 133; p. 1572.
- Leupold, A. S., Montreal, Quebec, Canada. Advertising device. No. 894,509; July 28; Sp. p. 4456; Dr. p. 923; Gaz. vol. 135; p. 780.
- Leuschner, B., Dresden, Germany. Apparatus for mixing liquids and gases. No. 903,297; Nov. 10; Sp. p. 1521; Gaz. vol. 137; p. 281.
- Leuthesser, F. W., Chicago, Ill. Valve for radiators. No. 888,913; May 26; Sp. p. 5236; Dr. p. 1110; Gaz. vol. 134; p. 937.
- Leuthesser, F. W., Chicago, Ill. Air-valve for radiators. No. 888,914; May 26; Sp. p. 5238; Dr. p. 1111; Gaz. vol. 134; p. 937.
- Leuthesser, F. W., Chicago, Ill. Valve for radiators. No. 889,141; May 26; Sp. p. 5679; Dr. p. 1202; Gaz. vol. 134; p. 1009.
- Leuthesser, F. W., Chicago, Ill. Air-valve for radiators. No. 889,142; May 26; Sp. p. 5680; Dr. p. 1202; Gaz. vol. 134; p. 1009.
- Leuthesser, F. W., Chicago, Ill., assignor to Monash-Younger Company. Air-valve for radiators. No. 891,180; June 16; Sp. p. 4011; Dr. p. 880; Gaz. vol. 134; p. 1762.
- Levalley, C. W., Milwaukee, Wis. Conveyor. No. 896,029; Aug. 11; Sp. p. 2507; Dr. pp. 541-2; Gaz. vol. 135; p. 1330.
- Levasseur, L. M. J. C., Puteaux, France. Carburetor. No. 878,297; Feb. 4; Sp. p. 833; Dr. pp. 165-6; Gaz. vol. 132; p. 982.
- Leve, R. E., New York, N. Y. Electric-arc lamp. No. 898,052; Sept. 8; Sp. p. 1680; Dr. p. 315; Gaz. vol. 136; p. 295.
- Levedahl, A., assignor to Aurora Automatic Machinery Company, Aurora, Ill. Driving-gear for motor-cycles. No. 899,746; Sept. 29; Sp. p. 4961; Dr. p. 1064; Gaz. vol. 136; p. 937.
- Leveen, S. J., assignor of one-half to Electric Construction and Machinery Company, Rock Island, Ill. Electric fuse. No. 878,212; Feb. 4; Sp. p. 657; Dr. p. 135; Gaz. vol. 132; p. 953.
- Levenson, S., et al. (See Wimmer, L., assignor.)
- Leveque, A. J., Lead, S. D. Amalgam-press. No. 890,913; June 16; Sp. p. 3491; Dr. p. 765; Gaz. vol. 134; p. 1676.
- Leveque, B. T., assignor to Reece Button Hole Machine Company, Boston, Mass. Button-sewing machine. No. 886,826; May 5; Sp. p. 998; Dr. p. 210; Gaz. vol. 134; p. 163.
- Levey, L. A. (See Newman, A. M., assignor.)
- Levey, T. J., Washington, D. C., assignor of two-thirds to J. B. Shearer, Baltimore, and L. T. Hewitt, Sparrows Point, Md. Bottle-capping machine. No. 894,797; July 28; Sp. p. 5000; Dr. p. 1044; Gaz. vol. 135; p. 872.
- Levick, E. A., Halifax, Pa. Chair-seat. No. 894,020; July 21; Sp. p. 3438; Dr. p. 703; Gaz. vol. 135; p. 598.
- Levier, J. M., Weston, W. Va. Pipe-bender. No. 906,727; Dec. 15; Sp. p. 3113; Gaz. vol. 137; p. 1560.
- Levilly, O., Paris, France. System of cooling rooms by compressed air. No. 879,392; Feb. 18; Sp. p. 3067; Dr. p. 638; Gaz. vol. 132; p. 1411.
- Levilly, O., Paris, France. Regulating device for refrigerating plants. No. 905,332; Dec. 1; Sp. p. 397; Gaz. vol. 137; p. 1052.
- Levilly, O. E., Paris, France. Expansion-regulator for refrigerating-machines. No. 879,393; Feb. 18; Sp. p. 3068; Dr. p. 638; Gaz. vol. 132; p. 1412.

Alphabetical list of patentees—Continued.

- Levilly, O. E., Paris, France. Expansion-regulator for refrigerating-machines. No. 893,176; July 14; Sp. p. 1596; Dr. p. 339; Gaz. vol. 135; p. 290.
- Levin, A. L., Denver, Colo. Opera-chair. No. 880,314; Feb. 25; Sp. p. 4997; Dr. pp. 1054-5; Gaz. vol. 132; p. 1748.
- Levin, H., New York, N. Y. Collapsible suspending-frame. No. 903,994; Nov. 17; Sp. p. 2958; Gaz. vol. 137; p. 540.
- Levin, I., Brooklyn, N. Y. Dress-form. No. 905,333; Dec. 1; Sp. p. 399; Gaz. vol. 137; p. 1052.
- Levin, I., Brooklyn, N. Y. Garment-form. No. 905,334; Dec. 1; Sp. p. 401; Gaz. vol. 137; p. 1052.
- Levin, I. G., Chicago, Ill. Leather-working machine. No. 894,839; Aug. 4; Sp. p. 76; Dr. p. 16; Gaz. vol. 135; p. 913.
- Levin, M., assignor of three-fourths to L. Drosin, New York, N. Y. Automatic door check and closer. No. 877,440; Jan. 21; Sp. p. 3598; Dr. p. 779; Gaz. vol. 132; p. 654.
- Levin, M., assignor of one-half to L. Drosin, New York, N. Y. Window. No. 887,046; May 5; Sp. p. 1401; Dr. p. 297; Gaz. vol. 134; p. 233.
- Levin, M., assignor of one-half to L. Drosin, New York, N. Y. Siphon-bottle. No. 887,667; May 12; Sp. p. 2707; Dr. p. 572; Gaz. vol. 134; p. 466.
- Levin, N. D., Chicago, Ill. Coal-working apparatus. No. 898,661; Sept. 15; Sp. p. 2867; Dr. p. 612; Gaz. vol. 136; p. 522.
- Levin, S., Highland Park, Ill. Stylus for sound-reproducing machines. No. 890,777; June 16; Sp. p. 3233; Dr. p. 707; Gaz. vol. 134; p. 1633.
- Levingston, A. (See Sturgis, H. M., assignor.)
- Levins, A. E., Vernon, British Columbia, Canada. Swingletree. No. 896,030; Aug. 11; Sp. p. 2511; Dr. p. 542; Gaz. vol. 135; p. 1330.
- Levins, A. E., Vernon, British Columbia, Canada. Swingletree. No. 903,740; Nov. 10; Sp. p. 2403; Gaz. vol. 137; p. 422.
- Levison, W. G., New York, N. Y. Apparatus for exhibiting the fluorescence of fluorescent substances. No. 883,653; Mar. 31; Sp. p. 6340; Dr. p. 1351; Gaz. vol. 133; p. 1157.
- Levy, A. B. (See Bleoo, J. H., assignor.)
- Levy, A. R., Oak Lane, Pa. Automatic railway-switch. No. 891,269; June 23; Sp. p. 4214; Dr. pp. 921-2; Gaz. vol. 134; p. 1824.
- Levy, D., New Haven, Conn. Indicator. No. 889,853; June 2; Sp. p. 1287; Dr. p. 296; Gaz. vol. 134; p. 1269.
- Levy, D., assignor to Mason Monogram Company, New York, N. Y. Interchangeable electric display apparatus. No. 875,715; Jan. 7; Sp. p. 71; Dr. pp. 15-16; Gaz. vol. 132; p. 15.
- Levy, D. W., Sr. (See Newman, U. A., assignor.)
- Levy, F., assignor of one-half to L. F. Vetter, Los Angeles, Cal. Combination coat and adjustable skirt hanger. No. 899,603; Sept. 29; Sp. p. 4670; Dr. p. 1002; Gaz. vol. 136; p. 892.
- Levy, I. J., New York, N. Y. Bag. No. 894,510; July 28; Sp. p. 4457; Dr. p. 923; Gaz. vol. 135; p. 780.
- Levy, J. Z., Pittsburg, Pa. Amusement apparatus. No. 899,172; Sept. 22; Sp. p. 3820; Dr. p. 818; Gaz. vol. 136; p. 716.
- Levy, L., Chicago, Ill., assignor to Schwarzschild & Sulzberger Co., New York, N. Y. Refrigerating apparatus. No. 889,627; June 2; Sp. p. 857; Dr. pp. 195-6; Gaz. vol. 134; p. 1197.
- Levy, M. R., et al. (See Cuff, J. M., assignor.)
- Levy, W. (See Myers, W. L., assignor.)
- Lewin, C., Cleveland, Ohio. Weighing-faucet. No. 880,893; Mar. 3; Sp. p. 837; Dr. p. 178; Gaz. vol. 133; p. 141.
- Lewin, G., Schöneberg, near Berlin, assignor to Siemens-Schuckert-Werke, G. M. B. H., Berlin, Germany. Means for transmitting power electrically. No. 881,864; Mar. 10; Sp. p. 2733; Dr. pp. 585-7; Gaz. vol. 133; p. 483.
- Lewis, A. H., assignor of two-thirds to W. F. Palmer and M. E. Alexander, Newcomerstown, Ohio. Journal-box. No. 895,096; Aug. 4; Sp. p. 638; Dr. p. 133; Gaz. vol. 135; p. 1000.
- Lewis, A. L., Petersburg, Va. Attachment for harness. No. 884,829; Apr. 14; Sp. p. 2380; Dr. p. 501; Gaz. vol. 133; p. 1601.
- Lewis, A. R., Kent, Wash. Brooder. No. 902,889; Nov. 3; Sp. p. 732; Gaz. vol. 137; p. 121.
- Lewis, B. E., Palouse, Wash. Fluid-pressure turbine. No. 877,848; Jan. 28; Sp. p. 4386; Dr. p. 955; Gaz. vol. 132; p. 805.
- Lewis, C. A., assignor of one-half to E. R. Cooper, Denver, Colo. Die for making weldless-link chains. No. 895,649; Aug. 11; Sp. p. 1737; Dr. p. 368; Gaz. vol. 135; p. 1206.
- Lewis, C. H., New Haven, assignor to Acme Wire Company, Hampden, Conn. Armature-winding machine. No. 887,106; May 12; Sp. p. 1535; Dr. p. 324; Gaz. vol. 134; p. 281.
- Lewis, C. J., Kanawha, Iowa. Chin-support. No. 892,860; July 7; Sp. p. 937; Dr. p. 197; Gaz. vol. 135; p. 157.
- Lewis, C. W., Yonkers, assignor to Thompson & Norris Company, Brooklyn, N. Y. Reinforcing-stay for paper boxes and the like articles. No. 905,335; Dec. 1; Sp. p. 403; Gaz. vol. 137; p. 1053.
- Lewis, D., et al. (See Osterhoudt, F. D., assignor.)
- Lewis, D. and K., Buffalo, N. Y. Cooking-pan. No. 907,154; Dec. 22; Sp. p. 3935; Gaz. vol. 137; p. 1731.
- Lewis, D. B., Bisbee, Ariz. Ter. Miner's shovel. No. 877,574; Jan. 28; Sp. p. 3880; Dr. p. 841; Gaz. vol. 132; p. 718.
- Lewis, E. (See Seibert, J. W., assignor.)
- Lewis, E. A. (See Lewis, P. G., assignor.)
- Lewis, E. B., Pacific Grove, Cal. Shade for incandescent lamps. No. 877,784; Jan. 28; Sp. p. 4271; Dr. p. 928; Gaz. vol. 132; p. 785.
- Lewis, E. L., and A. P. Jamison, La Fayette, Ind. Laundry-marker. No. 881,012; Mar. 3; Sp. p. 1048; Dr. pp. 226-7; Gaz. vol. 133; p. 178.
- Lewis, E. V., et al. (See Rice, P. F., assignor.)
- Lewis, F. D. (See Dyer and Lewis.)
- Lewis, F. D., Elizabeth, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 904,884; Nov. 24; Sp. p. 4859; Gaz. vol. 137; p. 868.
- Lewis, F. E. (See Miller and Steinberger, assignors.)
- Lewis, F. J., Guadalupe, Cal. Disk cultivator. No. 897,213; Aug. 25; Sp. p. 4894; Dr. pp. 1042-3; Gaz. vol. 135; p. 1759.
- Lewis, F. M. (See Hatfield and Lewis.)
- Lewis, F. M., Brighton, England, assignor to General Electric Company. Operating electric-arc lamps in series. No. 894,157; July 21; Sp. p. 3697; Dr. p. 768; Gaz. vol. 135; p. 643.
- Lewis, F. M., Brighton, England, assignor to General Electric Company. Electric-arc lamp. No. 894,158; July 21; Sp. p. 3700; Dr. p. 768; Gaz. vol. 135; p. 643.
- Lewis, F. S. (See Prouty, C. W., assignor.)
- Lewis, G., Uniontown, Pa. Portable track. No. 900,398; Oct. 6; Sp. p. 689; Dr. p. 141; Gaz. vol. 136; p. 1180.
- Lewis, G. A., Detroit, Mich. Hearing-tube for sound-reproducing devices. No. 882,700; Mar. 24; Sp. p. 4383; Dr. p. 933; Gaz. vol. 133; p. 819.
- Lewis, G. A., Detroit, Mich. Hearing-tube for sound-reproducing machines. No. 883,818; Apr. 7; Sp. p. 287; Dr. p. 53; Gaz. vol. 133; p. 1238.
- Lewis, G. D. (See Hansell and Lewis.)
- Lewis, G. W., Portsmouth, assignor of one-half to A. R. Nash, Norfolk, Va. Journal-box. No. 896,998; Aug. 25; Sp. p. 4491; Dr. pp. 958-9; Gaz. vol. 135; p. 1689.
- Lewis, H., Fitzroy, near Melbourne, Victoria, Australia. Composition for making artificial leather. No. 894,334; July 28; Sp. p. 4102; Gaz. vol. 135; p. 722.
- Lewis, H. J. S., New York, N. Y. Soap-dispenser. No. 879,780; Feb. 18; Sp. p. 3875; Dr. p. 812; Gaz. vol. 132; p. 1538.
- Lewis, J., Lydney, assignor to R. Thomas & Co., Limited, Llanelly, England. Combined tinning and cleaning machine. No. 899,996; Sept. 29; Sp. p. 5502; Dr. pp. 1172-3; Gaz. vol. 136; p. 1018.
- Lewis, J. A., Minneapolis, Minn. Broom attachment. No. 898,232; Sept. 8; Sp. p. 2039; Dr. p. 433; Gaz. vol. 136; p. 351.
- Lewis, J. C., Milford, N. H. Adjustable table. No. 878,967; Feb. 11; Sp. p. 2222; Dr. p. 465; Gaz. vol. 132; p. 1233.
- Lewis, J. C., Eldred, Ill. Game-counter. No. 879,183; Feb. 18; Sp. p. 2659; Dr. p. 554; Gaz. vol. 132; p. 1344.
- Lewis, J. D., St. Paul, Minn. Meat-roaster. No. 877,463; Jan. 21; Sp. p. 3632; Dr. p. 786; Gaz. vol. 132; p. 660.
- Lewis, J. E., Steelton, Pa. Connecting-rod for switch-points. No. 900,750; Oct. 13; Sp. p. 1446; Dr. p. 294; Gaz. vol. 136; p. 1322.
- Lewis, J. F., et al. (See Aiken, A. P., assignor.)
- Lewis, J. F., Kansas City, Kans. Railway-rail chair. No. 890,914; June 16; Sp. p. 3493; Dr. p. 765; Gaz. vol. 134; p. 1676.
- Lewis, J. G., St. Louis, Mo. Hem or seam for sewed articles. No. 903,995; Nov. 17; Sp. p. 2959; Gaz. vol. 137; p. 541.
- Lewis, J. H., Detroit, Mich. Rail tie and fastening. No. 900,028; Sept. 29; Sp. p. 5571; Dr. p. 1190; Gaz. vol. 136; p. 1029.
- Lewis, J. M., Blanche, Ala. Steam-cooker. No. 906,245; Dec. 8; Sp. p. 2226; Gaz. vol. 137; p. 1381.
- Lewis, J. N., Ann Arbor, Mich., and C. Stecher, assignors to Automatic Pulverizer Company, Chicago, Ill. Pulverizer. No. 887,047; May 5; Sp. p. 1402; Dr. pp. 297-8; Gaz. vol. 134; p. 233.
- Lewis, J. S., Villisca, Iowa. Vehicle running-gear. No. 899,877; Sept. 29; Sp. p. 5249; Dr. p. 1122; Gaz. vol. 136; p. 931.
- Lewis, K. (See Lewis, D. and K.)
- Lewis & Kitchen. (See Smith, F. P., assignor.)
- Lewis, L. C., assignor to Monarch Manufacturing Company, Columbus, Ohio. Ironing-machine. No. 879,561; Feb. 18; Sp. p. 3430; Dr. p. 719; Gaz. vol. 132; p. 1467.
- Lewis, L. C., assignor to Monarch Specialty Manufacturing Company, Columbus, Ohio. Water-motor. No. 892,531; July 7; Sp. p. 273; Dr. p. 59; Gaz. vol. 135; p. 51.
- Lewis, L. C., assignor to Monarch Specialty Manufacturing Company, Columbus, Ohio. Water-motor. No. 899,058; Sept. 22; Sp. p. 3583; Dr. p. 768; Gaz. vol. 136; p. 677.
- Lewis, L. L. (See Hossack, T. T., assignor.)

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- Lewis, L. L., Oil City, Pa. Heating apparatus. No. 906,439; Dec. 8; Sp. p. 2574; Gaz. vol. 137; p. 1443.
- Lewis, L. L., assignor to E. J. Curran, Oil City, Pa. Firing device for gas-engines. No. 882,325; Mar. 17; Sp. p. 3676; Dr. p. 780; Gaz. vol. 133; p. 663.
- Lewis, L. E., Somerville, Mass. Music chart or table. No. 879,394; Feb. 18; Sp. p. 3070; Dr. p. 638; Gaz. vol. 132; p. 1412.
- Lewis, M. E. (See Babcock, G., assignor.)
- Lewis, M. E. (See Babcock and Reuter, assignors.)
- Lewis, M. T., near Marselles, Ill. Hose-supporter. No. 880,894; Mar. 3; Sp. p. 839; Dr. p. 178; Gaz. vol. 133; p. 141.
- Lewis, M. W., Cleveland, Ohio, assignor, by mesne assignments, to Consolidated Lighting Co., Philadelphia, Pa. Time lamp-lighting mechanism. No. 891,999; June 30; Sp. p. 5734; Dr. pp. 1233-4; Gaz. vol. 134; p. 2097.
- Lewis, O. E., assignor to J. G. Manz Co., Milwaukee, Wis. Envelop. No. 901,357; Oct. 20; Sp. p. 2672; Dr. p. 548; Gaz. vol. 136; p. 1554.
- Lewis, P. G., assignor to E. A. Lewis, Milwaukee, Wis. Sheet-music turner. No. 880,546; Mar. 3; Sp. p. 105; Dr. pp. 23-4; Gaz. vol. 133; p. 21.
- Lewis, R. (See Evans and Lewis.)
- Lewis, R. B., Greenford, Ohio. Kettle. No. 908,285; Dec. 29; Sp. p. 6312; Gaz. vol. 137; p. 2138.
- Lewis, R. B., assignor to American Metal Edge Box Company, Philadelphia, Pa. Machine for punching and trimming metal stay-strips for boxes. No. 901,358; Oct. 20; Sp. p. 2673; Dr. pp. 548-9; Gaz. vol. 136; p. 1555.
- Lewis, R. S., Omaha, Nebr. Mitten-pressing machine. No. 882,326; Mar. 17; Sp. p. 3679; Dr. pp. 780-1; Gaz. vol. 133; p. 663.
- Lewis, S. T., Milwaukee, Wis., assignor of two-thirds to R. P. Davenport and E. C. Rockwell, Chicago, Ill. Variable-speed gearing. No. 884,172; Apr. 7; Sp. p. 1060; Dr. p. 221; Gaz. vol. 133; p. 1356.
- Lewis, T., Scranton, Pa. Bracket-hanger for winding-machines. No. 879,562; Feb. 18; Sp. p. 3432; Dr. p. 719; Gaz. vol. 132; p. 1467.
- Lewis, T., and H. C. Dando, Derry, Pa. Envelop. No. 897,635; Sept. 1; Sp. p. 802; Dr. p. 169; Gaz. vol. 136; p. 128.
- Lewis, T. E., Vicksburg, Miss. Package-tie. No. 901,112; Oct. 13; Sp. p. 2186; Dr. p. 444; Gaz. vol. 136; p. 1439.
- Lewis, T. E., Scranton, Pa. Ventilating-cowl. No. 906,440; Dec. 8; Sp. p. 2576; Gaz. vol. 137; p. 1443.
- Lewis, W. (See Tabor and Lewis.)
- Lewis, W., Philadelphia, Pa. Metal-sawing machine. No. 891,487; June 23; Sp. p. 4667; Dr. p. 1011; Gaz. vol. 134; p. 1896.
- Lewis, W., Philadelphia, Pa., assignor to Tabor Manufacturing Company, Camden, N. J. Jarring-machine. No. 891,488; June 23; Sp. p. 4668; Dr. pp. 1011-12; Gaz. vol. 134; p. 1897.
- Lewis, W., Philadelphia, Pa., assignor to Tabor Manufacturing Company, Camden, N. J. Molding-machine. No. 891,489; June 23; Sp. p. 4672; Dr. pp. 1012-13; Gaz. vol. 134; p. 1897.
- Lewis, W., Philadelphia, Pa., assignor to Tabor Manufacturing Company, Camden, N. J. Metal-sawing machine. No. 896,306; Aug. 18; Sp. p. 3037; Dr. p. 653; Gaz. vol. 135; p. 1440.
- Lewis, W., Philadelphia, Pa., assignor to Tabor Manufacturing Company, Camden, N. J. Metal-cutting saw. No. 896,401; Aug. 18; Sp. p. 3221; Dr. p. 691; Gaz. vol. 135; p. 1470.
- Lewis, W. D., Plymouth, Pa. Trolley-guard. No. 902,420; Oct. 27; Sp. p. 4908; Dr. p. 994; Gaz. vol. 136; p. 1933.
- Lewis, W. E. (See Gurley and Lewis.)
- Lewis, W. G. (See Rowe, L., assignor.)
- Lewis, W. H., Madison, Miss. Railway-rail joint. No. 880,384; Feb. 25; Sp. p. 5128; Dr. p. 1084; Gaz. vol. 132; p. 1770.
- Lewis, W. H., Brooklyn, N. Y. Towing-roller. No. 905,893; Dec. 8; Sp. p. 1539; Gaz. vol. 137; p. 1266.
- Lewis, W. H. A., Evansville, Ind. Folding bed. No. 879,657; Feb. 18; Sp. p. 3638; Dr. p. 761; Gaz. vol. 132; p. 1498.
- Lewis, W. I., Walpole, Mass. Automatic web-guiding device. No. 905,720; Dec. 1; Sp. p. 1195; Gaz. vol. 137; p. 1178.
- Lewis, W. N., Abingdon, Ill. Brush-holder. No. 896,123; Aug. 18; Sp. p. 2677; Dr. p. 578; Gaz. vol. 135; p. 1381.
- Lewis, W. T. (See Jenkins, F. E., assignor.)
- Lewis, W. T., Columbus, Ohio. Fluid-pressure engine. No. 906,808; Dec. 15; Sp. p. 3266; Gaz. vol. 137; p. 1586.
- Lewthwaite, J., Chiddingley, England. Turbine. No. 892,276; June 30; Sp. p. 6265; Dr. p. 1348; Gaz. vol. 134; p. 2189.
- Lewox, J., Tompkinsville, N. Y. Toy. No. 905,085; Nov. 24; Sp. p. 5240; Gaz. vol. 137; p. 934.
- Ley, G. A. (See Locke, W. P., assignor.)
- Leyerle, L., Cleveland, Ohio. Car lifting and replacing device. No. 877,099; Jan. 21; Sp. p. 2907; Dr. pp. 628-9; Gaz. vol. 132; p. 540.
- Leyh, B., New York, N. Y. Safety device for gas-hose. No. 894,450; July 28; Sp. p. 4345; Dr. p. 895; Gaz. vol. 135; p. 761.
- Leyner, C. P., Boston, Mass. Machine for measuring and cutting skirts. No. 883,726; Apr. 7; Sp. p. 93; Dr. p. 15; Gaz. vol. 133; p. 1208.
- Leyner, J. G., Denver, Colo. Air-valve for air-compressors. No. 893,851; July 21; Sp. p. 3081; Dr. p. 630; Gaz. vol. 135; p. 542.
- Leyner, J. G., Denver, Colo. Air-valve for air-compressors. No. 893,852; July 21; Sp. p. 3084; Dr. pp. 630-1; Gaz. vol. 135; p. 543.
- Leyner, J. G., Denver, Colo. Striking-pin for piston-hammer rock-drilling engines. No. 901,538; Oct. 20; Sp. p. 3090; Dr. p. 631; Gaz. vol. 136; p. 1616.
- Leyner, J. G., Denver, Colo. Multiple-stage air-compressor. No. 901,539; Oct. 20; Sp. p. 3094; Dr. pp. 632-3; Gaz. vol. 136; p. 1617.
- Lheure, L., Paris, France. Fuse for mines. No. 882,154; Mar. 17; Sp. p. 3329; Dr. p. 710; Gaz. vol. 133; p. 606.
- Lheure, L., Paris, France. Mine. No. 905,336; Dec. 1; Sp. p. 404; Gaz. vol. 137; p. 1053.
- Liad, C., New Haven, Conn. Burglar-alarm. No. 882,570; Mar. 24; Sp. p. 4131; Dr. pp. 876-7; Gaz. vol. 133; p. 775.
- Lials, L., Paris, France. Inverted incandescent gas or vapor lamp. No. 901,629; Oct. 20; Sp. p. 3267; Dr. p. 670; Gaz. vol. 136; p. 1645.
- Libak, P., and A. and P. Winden, Madella, Minn. Milking-stool. No. 890,075; June 9; Sp. p. 1764; Dr. p. 350; Gaz. vol. 134; p. 1370.
- Libbey Glass Company. (See Klingenberg, C., assignor.)
- Libbey, H. N., Boston, assignor to E. G. Kelley, Peabody, Mass. Ball-cock. No. 902,825; Nov. 3; Sp. p. 577; Gaz. vol. 137; p. 98.
- Libby, C. L., Indianapolis, Ind., and P. J. Connor, Madison, Wis. Sawing-machine. No. 884,744; Apr. 14; Sp. p. 2215; Dr. p. 468; Gaz. vol. 133; p. 1573.
- Libby, E. D., Westbrook, Me. Roll-stand for spinning-machines. No. 888,102; May 19; Sp. p. 3579; Dr. p. 748; Gaz. vol. 134; p. 639.
- Libby, E. P., *et al.* (See Harlow, L., assignor.)
- Libby, H. L., Boston, Mass. Car-fender. No. 891,270; June 23; Sp. p. 4218; Dr. p. 922; Gaz. vol. 134; p. 1824.
- Libby, S. H., East Orange, N. J., assignor to Sprague Electric Company. Electric carrier. No. 881,596; Mar. 10; Sp. p. 2190; Dr. pp. 477-8; Gaz. vol. 133; p. 398.
- Libby, S. H., East Orange, N. J., assignor to Sprague Electric Company. Carrier system. No. 884,595; Apr. 14; Sp. p. 1884; Dr. pp. 403-4; Gaz. vol. 133; p. 1522.
- Libby, S. H., East Orange, N. J., assignor to Sprague Electric Company. Automatic carrier system. No. 904,788; Nov. 24; Sp. p. 4647; Gaz. vol. 137; p. 836.
- Libby, S. H., East Orange, N. J., assignor to Sprague Electric Company. Automatic carrier system. No. 904,789; Nov. 24; Sp. p. 4654; Gaz. vol. 137; p. 836.
- Libby, S. H., East Orange, N. J., assignor to Sprague Electric Company. Rope-guide for winding-drums. No. 907,825; Dec. 29; Sp. p. 5351; Gaz. vol. 137; p. 1986.
- Libby, T., Waterville, Me. Seam for sewed articles. No. 892,438; July 7; Sp. p. 92; Dr. p. 21; Gaz. vol. 135; p. 20.
- Lieberman, B., Philadelphia, Pa. Cigar-wrapper cutter and rolling table. No. 897,547; Sept. 1; Sp. p. 630; Dr. p. 130; Gaz. vol. 136; p. 99.
- Liberty, E., New York, N. Y. Fire-escape. No. 876,004; Jan. 7; Sp. p. 616; Dr. pp. 131-2; Gaz. vol. 132; p. 108.
- Library Bureau. (See Hunter, D. E., assignor.)
- Library Bureau. (See Wheldon, W. M., assignor.)
- Lichtenstein, J., Göttingen, Germany. Clock and watch. No. 878,076; Feb. 4; Sp. p. 374; Dr. p. 77; Gaz. vol. 132; p. 908.
- Lichter, J. J., *et al.* (See Hammond, C. C., assignor.)
- Lichter, M., New York, N. Y. Display-card. No. 895,775; Aug. 11; Sp. p. 1998; Dr. p. 424; Gaz. vol. 135; p. 1247.
- Lichtig, I., Bonn-Süd., assignor to Bonner Maschinenfabrik & Eisengießerei Fr. Mönkemöller & Cie., Bonn, Germany. Press. No. 878,298; Feb. 4; Sp. p. 834; Dr. p. 166; Gaz. vol. 132; p. 982.
- Lick, G. F., Hartford, Ark. Embroidering attachment for sewing-machines. No. 906,903; Dec. 15; Sp. p. 3455; Gaz. vol. 137; p. 1616.
- Lidberg, T., assignor to Swedish-American Telephone Company, Chicago Ill. Telephone-drop. No. 907,062; Dec. 15; Sp. p. 3735; Gaz. vol. 137; p. 1665.
- Liden, J., Rockford, Ill. Stool for sewing-machines. No. 884,280; Apr. 7; Sp. p. 1242; Dr. p. 261; Gaz. vol. 133; p. 1390.
- Liden, J., Rockford, Ill. Heel-plate. No. 898,118; Sept. 8; Sp. p. 1812; Dr. p. 384; Gaz. vol. 136; p. 316.
- Lidgerwood Manufacturing Company. (See Miller and Dickinson, assignors.)
- Lidgerwood Manufacturing Company. (See Swan, E. D., assignor.)
- Lidke, E. L., Toledo, Ohio. Apparatus for cutting threads on pipes, &c. No. 903,209; Nov. 10; Sp. p. 1353; Gaz. vol. 137; p. 252.
- Lidster, M. (See Hoellig and Lidster.)
- Lidvall, J. A., Gefle, Sweden. Radiator. No. 877,575; Jan. 28; Sp. p. 3880; Dr. p. 841; Gaz. vol. 132; p. 718.
- Lie, C., Bergen, Norway. Net-tying machine. No. 906,728; Dec. 15; Sp. p. 3115; Gaz. vol. 137; p. 1560.
- Lieb, G., Newark, N. J. Machine for cutting jewelers' solder. No. 896,924; Aug. 25; Sp. p. 4332; Dr. p. 928; Gaz. vol. 135; p. 1666.
- Lieb, J. A., New York, N. Y., assignor to American Telegraphone Company. Circuit-controlling device for telegraphones. No. 882,327; Mar. 17; Sp. p. 3681; Dr. p. 781; Gaz. vol. 133; p. 663.
- Lieb, J. A., New York, N. Y., assignor to American Telegraphone Company. Amplifying-magnet system for telegraphones. No. 882,328; Mar. 17; Sp. p. 3683; Dr. p. 781; Gaz. vol. 133; p. 664.

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- Lieb, J. A., New York, N. Y., assignor to American Telegraphone Company. Magnet for telegraphones. No. 889,317; June 2; Sp. p. 244; Dr. p. 60; Gaz. vol. 134; p. 1098.
- Lieb, J. A., New York, N. Y., assignor to American Telegraphone Company. Record-disk for telegraphones. No. 907,383; Dec. 22; Sp. p. 4401; Gaz. vol. 137; p. 1809.
- Lieb, J. M., Columbus, Ohio. Switch-controlling mechanism. No. 888,915; May 26; Sp. p. 5240; Dr. p. 1111; Gaz. vol. 134; p. 938.
- Lieb, J. M., Columbus, Ohio. Switch-controlling mechanism. (Reissue.) No. 12,901; Dec. 29; Sp. p. 6654; Gaz. vol. 137; p. 2192.
- Lieber, H. (See Lendrich, K., assignor.)
- Lieber, H., New York, N. Y. Radium preparation. No. 895,478; Aug. 11; Sp. p. 1417; Gaz. vol. 135; p. 1151.
- Lieberam, A., Deep River, Conn. Newspaper holder and spreader. No. 891,844; June 30; Sp. p. 5423; Dr. p. 1172; Gaz. vol. 134; p. 2046.
- Liebert, E., Los Angeles, Cal., assignor, by mesne assignments, to Crouch Manufacturing Jewelry Company. Safety-catch for jewelry. No. 897,470; Sept. 1; Sp. p. 472; Dr. p. 101; Gaz. vol. 136; p. 75.
- Liebert, H. A. E., Rochdale, assignor to E. Green and Son Limited, Wakefield, England. Manhole-lid. No. 883,965; Apr. 7; Sp. p. 604; Dr. p. 120; Gaz. vol. 133; p. 1288.
- Liebhart, L. F., Denver, Colo. Antisnoring device. No. 898,379; Sept. 8; Sp. p. 2292; Dr. p. 487; Gaz. vol. 136; p. 398.
- Liebhart, J. E., Toluca, Cal. Rotary plow. No. 888,103; May 19; Sp. p. 3581; Dr. p. 748; Gaz. vol. 134; p. 640.
- Liebig, W. G., Detroit, Mich. Needle-holding slide for brush-making machines. No. 906,246; Dec. 8; Sp. p. 2227; Gaz. vol. 137; p. 1381.
- Liebknecht, O., assignor to Deutsche Gold- & Silber-Scheideanstalt vorm. Roessler, Frankfurt-on-the-Main, Germany. Manufacture of sodium arylamins. No. 903,588; Nov. 10; Sp. p. 2121; Gaz. vol. 137; p. 376.
- Lied, E. M., assignor to Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Dump-car. No. 907,254; Dec. 22; Sp. p. 4167; Gaz. vol. 137; p. 1767.
- Liedke, W., and O. Rabenhorst, Berlin, Germany. Spirit vaporizer and burner. No. 888,024; May 19; Sp. p. 3423; Dr. p. 719; Gaz. vol. 134; p. 615.
- Lieghley, E. O., Baltimore, Md. Apparatus for enlarging or reducing drawings. No. 883,895; Apr. 7; Sp. p. 457; Dr. p. 90; Gaz. vol. 133; p. 1264.
- Lienert-Market, E., Einsiedeln, Switzerland. Pipe-union. No. 883,320; Mar. 31; Sp. p. 5643; Dr. p. 1204; Gaz. vol. 133; p. 1051.
- Lier, G. (See Schwarzenbach and Lier.)
- Lierman, F. W., San Francisco, Cal. Erasing-machine. No. 877,348; Jan. 21; Sp. p. 3411; Dr. p. 740; Gaz. vol. 132; p. 623.
- Liermann, M., *et al.* (See Schlager, A., assignor.)
- Liese, A., South Lancaster, Mass. Wringer. No. 906,904; Dec. 15; Sp. p. 3457; Gaz. vol. 137; p. 1616.
- Liese, A., South Lancaster, Mass. Gearing. No. 907,063; Dec. 15; Sp. p. 3736; Gaz. vol. 137; p. 1665.
- Liesmann, L., Dixon, Mo. Farm-gate. No. 899,747; Sept. 29; Sp. p. 4967; Dr. p. 1065; Gaz. vol. 136; p. 937.
- Lievre, J., New Orleans, La. Physical exerciser. No. 904,339; Nov. 17; Sp. p. 3709; Gaz. vol. 137; p. 659.
- Liggett, I. W., Kansas City, Mo. Labeling device for mailing or similar cases. No. 905,545; Dec. 1; Sp. p. 883; Gaz. vol. 137; p. 1124.
- Liggett, W. K., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Conveyer. No. 895,776; Aug. 11; Sp. p. 2000; Dr. p. 425; Gaz. vol. 135; p. 1248.
- Liggett, W. K., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Conveyer. No. 902,421; Oct. 27; Sp. p. 4910; Dr. pp. 994-5; Gaz. vol. 136; p. 1933.
- Lightford, W. L., assignor of three-fifths to E. R. Treat, F. C. Lory, M. E. Drew, E. L. Killen, W. A. Zumpfe, and D. B. Johnston, Indianapolis, Ind. Mail-delivering device. No. 896,307; Aug. 18; Sp. p. 3038; Dr. p. 653; Gaz. vol. 135; p. 1441.
- Lightheiser, G., Toledo, Ohio. Car-door fastener. No. 881,249; Mar. 10; Sp. p. 1514; Dr. p. 325; Gaz. vol. 133; p. 285.
- Ligon, H. W., Atlanta, Ga., assignor to Continental Gin Company, Birmingham, Ala. Saw-cylinder for cotton-gins and cotton-seed linters. No. 902,747; Nov. 3; Sp. p. 422; Gaz. vol. 137; p. 73.
- Lihme, I. P., assignor to Grasselli Chemical Company, Cleveland, Ohio. Non-darkening lithopone and making the same. No. 883,142; Mar. 24; Sp. p. 5271; Gaz. vol. 133; p. 963.
- Lihon, J. T., Seymour, Conn. Compass attachment. No. 908,110; Dec. 29; Sp. p. 5937; Gaz. vol. 137; p. 2078.
- Liles, J. W., North Platte, Nebr. Attachment for wagons. No. 884,173; Apr. 7; Sp. p. 1063; Dr. p. 221; Gaz. vol. 133; p. 1356.
- Liles, S. N., Jonesboro, N. C. Car-ventilator. No. 907,255; Dec. 22; Sp. p. 4169; Gaz. vol. 137; p. 1767.
- Lilienfeld, L., Vienna, Austria-Hungary. Producing glossy or silky effects on fabrics and other material. No. 904,269; Nov. 17; Sp. p. 3548; Gaz. vol. 137; p. 635.
- Lilienfeld, L., Vienna, Austria-Hungary, assignor to G. H. Winterbottom, Norton House, near Northampton, England. Producing impressions fast to water on textile fabrics. No. 888,516; May 26; Sp. p. 4378; Gaz. vol. 134; p. 803.
- Lilienthal, H. L., Spokane, Wash. Composition of matter. No. 885,768; Apr. 28; Sp. p. 4323; Gaz. vol. 133; p. 1962.
- Lilins, T. W. (See Winfrey and Lilins.)
- Lillard, L., Bootjack, Cal. Pneumatic butter-separator. No. 903,298; Nov. 10; Sp. p. 1523; Gaz. vol. 137; p. 281.
- Lilleberg, C. L., assignor to J. B. Mallors, Jr., Chicago, Ill. Cyclometer. No. 897,379; Sept. 1; Sp. p. 283; Dr. p. 58; Gaz. vol. 136; p. 43.
- Lillibridge, N. L., Jamestown, N. Y. Dish-batten. No. 906,809; Dec. 15; Sp. p. 3269; Gaz. vol. 137; p. 1586.
- Lillis, D., and H. A. Pike, New York, N. Y. Folding car-stake. No. 896,031; Aug. 11; Sp. p. 2512; Dr. p. 542; Gaz. vol. 135; p. 1330.
- Lilly, J. C., Bedford, Pa. Device for removing calks from horseshoes. No. 883,654; Mar. 31; Sp. p. 6343; Dr. p. 1351; Gaz. vol. 133; p. 1157.
- Lilly, J. K., assignor to Eli Lilly & Company, Indianapolis, Ind. Composition for the production of ferrous carbonate. No. 876,366; Jan. 14; Sp. p. 1350; Gaz. vol. 132; p. 255.
- Lima Locomotive and Machine Company. (See Feightner, L. E., assignor.)
- Lima Locomotive and Machine Company. (See Wall, G. L., assignor.)
- Lima Locomotive and Machine Company. (See Wall and Feightner, assignors.)
- Limerick, J., West Medford, Mass. Baffle for oil-burning furnaces in steam-engines. No. 898,662; Sept. 15; Sp. p. 2868; Dr. p. 613; Gaz. vol. 136; p. 522.
- Limmer, E., Munich, Germany. Device for preventing the soiling of hats and similar head-gear. No. 908,111; Dec. 29; Sp. p. 5939; Gaz. vol. 137; p. 2078.
- Limoge, T., assignor to Porter Screen Manufacturing Company, Burlington, Vt. Metallic extension-screen. No. 882,397; Mar. 17; Sp. p. 3796; Dr. pp. 810-11; Gaz. vol. 133; p. 685.
- Limoges, A., Verner, Ontario, Canada. Exerciser. No. 906,538; Dec. 15; Sp. p. 2761; Gaz. vol. 137; p. 1501.
- Liñan y Tavira, F. de, Madrid, Spain. Clock or other indicator. No. 887,257; May 12; Sp. p. 1833; Dr. p. 387; Gaz. vol. 134; p. 328.
- Lincks, G., Jersey City, N. J. Safety device for jewelry. No. 876,983; Jan. 21; Sp. p. 2660; Dr. p. 578; Gaz. vol. 132; p. 502.
- Lincoln, E. S., Brookline, Mass. Ignition-circuit connection. No. 876,203; Jan. 7; Sp. p. 1002; Dr. pp. 217-18; Gaz. vol. 132; p. 170.
- Lincoln, E. S., Brookline, Mass. Series-parallel polarity-changing switch. No. 877,576; Jan. 28; Sp. p. 3881; Dr. pp. 841-2; Gaz. vol. 132; p. 719.
- Lincoln, I., Buffalo, N. Y. Heel-protector. No. 898,233; Sept. 8; Sp. p. 2040; Dr. p. 433; Gaz. vol. 136; p. 352.
- Lincoln Iron Works. (See Pierce, F., assignor.)
- Lincoln, R. B. (See Rheutan, G. H., assignor.)
- Lincoln, W., Rock Falls, assignor to E. J. Cochran, Sterling, Ill. Chimney-cap. No. 878,811; Feb. 11; Sp. p. 1936; Dr. p. 400; Gaz. vol. 132; p. 1184.
- Lincoln, W. W., Rock Falls, Ill. Foot-scraper. No. 894,218; July 28; Sp. p. 3850; Dr. p. 797; Gaz. vol. 135; p. 684.
- Lincoln, W. W., Rock Falls, Ill., assignor to J. M. Denning, Cedar Rapids, Iowa. Wire-fence machine. No. 902,422; Oct. 27; Sp. p. 4914; Dr. pp. 995-8; Gaz. vol. 136; p. 1934.
- Lind, A. S., McKeesport, Pa. Rail connection. No. 899,697; Sept. 29; Sp. p. 4852; Dr. p. 1039; Gaz. vol. 136; p. 920.
- Lind, A. W., Strömstad, Sweden. Conveyer. No. 905,337; Dec. 1; Sp. p. 404; Gaz. vol. 137; p. 1053.
- Lind, C. H., Canton, Ohio. Physician's cabinet. No. 888,104; May 19; Sp. p. 3582; Dr. p. 749; Gaz. vol. 134; p. 640.
- Lind, J. W., Dorchester, assignor of one-half to J. J. Morris, Boston, Mass. Pipe-wrench. No. 896,696; Aug. 18; Sp. p. 3805; Dr. p. 823; Gaz. vol. 135; p. 1565.
- Lind, J. W., Boston, Mass., assignor to H. G. Williams and J. A. Spiker, Salt Lake City, Utah. Illuminated door-knob. No. 893,082; July 14; Sp. p. 1402; Dr. p. 297; Gaz. vol. 135; p. 260.
- Lind, T. E., Moose Jaw, Saskatchewan, Canada. Reaper. No. 899,878; Sept. 29; Sp. p. 5250; Dr. pp. 1122-3; Gaz. vol. 136; p. 931.
- Lindahl, G., North Carlisle, Ind. Mail-bag receiving and delivering apparatus. No. 906,143; Dec. 8; Sp. p. 2021; Gaz. vol. 137; p. 1346.
- Lindahl, J. T., assignor of one-half to C. A. Halling, Stockholm, Sweden. Centrifugal slime-separator. No. 884,830; Apr. 14; Sp. p. 2381; Dr. p. 501; Gaz. vol. 133; p. 1601.
- Lindal, S. F. F., New York, assignor of one-half to A. Peterson, Brooklyn, N. Y. Scissors or shears. No. 884,281; Apr. 7; Sp. p. 1243; Dr. p. 261; Gaz. vol. 133; p. 1390.
- Lindbeck, C., *et al.* (See Wallen, C. J., assignor.)
- Lindberg, B. E., Faribault, Minn. Hand school-loom. No. 899,310; Sept. 22; Sp. p. 4098; Dr. p. 876; Gaz. vol. 136; p. 760.
- Lindberg, G. E., Duluth, Minn. Horseshoe-calk. No. 905,546; Dec. 1; Sp. p. 884; Gaz. vol. 137; p. 1125.
- Lindberg, J. F., and J. Fitzgerald, Hibbing, Minn. Oscillating engine. No. 905,721; Dec. 1; Sp. p. 1201; Gaz. vol. 137; p. 1178.

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- Lindberg, V. E., and A. Seaholm, Chicago, Ill. Belt-fastener. No. 897,115; Aug. 25; Sp. p. 4724; Dr. p. 1007; Gaz. vol. 135; p. 1729.
- Lindblad, A. R., and O. Stålhane, Ludvika, Sweden. Transformer-furnace. No. 880,547; Mar. 3; Sp. p. 108; Dr. p. 24; Gaz. vol. 133; p. 22.
- Lindblad, E., Kost, Minn. Cream-pump. No. 893,741; July 21; Sp. p. 2849; Dr. p. 585; Gaz. vol. 135; p. 506.
- Lindeboom, G. H. (See Kast, J., assignor.)
- Lindeman, B. F., assignor of three-eighths to R. H. Clever, McKees Rocks, Pa. Nail puller and starter. No. 883,321; Mar. 31; Sp. p. 5644; Dr. p. 1204; Gaz. vol. 133; p. 1051.
- Lindeman, F. J., Pittsburg, Pa. Music-leaf turner. No. 891,086; June 16; Sp. p. 3841; Dr. p. 840; Gaz. vol. 134; p. 1733.
- Lindeman, J. A., Chicago, Ill. Combined chalk-sharpener and paper-weight. No. 872,204; Jan. 7; Sp. p. 1004; Dr. p. 218; Gaz. vol. 132; p. 171.
- Lindemann, F., St. Paul, Minn. Bill-hook. No. 903,299; Nov. 10; Sp. p. 1525; Gaz. vol. 137; p. 281.
- Linden, C. A., and E. J. Lund, assignors of one-third to C. G. Fredrickson, Jamestown, N. Y. Sheet-metal bedstead. No. 899,173; Sept. 22; Sp. p. 3822; Dr. p. 818; Gaz. vol. 136; p. 716.
- Lindenberg, L., Columbus, Ohio. Closet-tank. No. 907,384; Dec. 22; Sp. p. 4402; Gaz. vol. 137; p. 1810.
- Lindenberg, G. B., and R. B. Arnold, Richmond, Va., assignors to Kentucky Tobacco Product Company, Louisville, Ky. Recovering nicotin from tobacco materials. No. 896,124; Aug. 18; Sp. p. 2678; Dr. p. 578; Gaz. vol. 135; p. 1381.
- Lindenberg, A. G., Taunton, Mass., assignor to Reed and Barton Corporation. Making seamless hollow ware. No. 887,950; May 19; Sp. p. 3281; Dr. p. 689; Gaz. vol. 134; p. 591.
- Linder, L. S., Mankato, Minn. Hen's nest. No. 881,250; Mar. 10; Sp. p. 1515; Dr. p. 326; Gaz. vol. 133; p. 285.
- Linderblad, A. (See Lundquist, C. J., assignor.)
- Linderman, F. M., Chicago, Ill. Belt-fastener. No. 894,511; July 28; Sp. p. 4458; Dr. p. 923; Gaz. vol. 135; p. 780.
- Lindstrom, H., assignor of one-half to R. Tennerstedt, Chicago, Ill. Machine for pressing the seams of garments. No. 879,479; Feb. 18; Sp. p. 3256; Dr. pp. 678-9; Gaz. vol. 132; p. 1439.
- Lindewald, C. J. (See Noisom and Lindewald.)
- Lindgren, K. A. (See Wettervik, A., assignor.)
- Lindgren, R. (See Renfors and Lindgren.)
- Lindharth, J., Copenhagen, Denmark. Means for automatic closing of punctures in pneumatic tires. No. 907,512; Dec. 22; Sp. p. 4665; Gaz. vol. 137; p. 1852.
- Lindke, G. A., Detroit, Mich. Store-fixture. No. 878,644; Feb. 11; Sp. p. 1617; Dr. p. 330; Gaz. vol. 132; p. 1131.
- Lindkvist, A. S., Springfield, Pa. Valve. No. 904,340; Nov. 17; Sp. p. 3711; Gaz. vol. 137; p. 660.
- Lindley, Z. M., assignor to R. M. Sloan, Carthage, Mo. Foldable and adjustable harrow. No. 901,015; Oct. 13; Sp. p. 2006; Dr. p. 407; Gaz. vol. 136; p. 1409.
- Lindman, C. A., Helsingborg, Sweden. Printing-press for simultaneous printing with different colors. No. 908,286; Dec. 29; Sp. p. 6313; Gaz. vol. 137; p. 2138.
- Lindman, E. H., San Pedro, Cal. Boat-detacher. No. 880,895; Mar. 3; Sp. p. 839; Dr. p. 179; Gaz. vol. 133; p. 141.
- Lindmark, T. G. E., Stockholm, Sweden. Marine turbine. No. 899,547; Sept. 29; Sp. p. 4556; Dr. p. 980; Gaz. vol. 136; p. 872.
- Lindner, F., Chicago, Ill. Device for holding watches. No. 890,145; June 9; Sp. p. 1903; Dr. p. 421; Gaz. vol. 134; p. 1393.
- Lindner, F. H., Bayonne, N. J. Turbine. No. 888,180; May 19; Sp. p. 3711; Dr. pp. 775-6; Gaz. vol. 134; p. 662.
- Lindner, F. H., Bayonne, N. J. Turbine. No. 888,181; May 19; Sp. p. 3713; Dr. pp. 776-7; Gaz. vol. 134; p. 663.
- Lindow, E., Toledo, Ohio. Folding seat. No. 876,367; Jan. 14; Sp. p. 1350; Dr. p. 293; Gaz. vol. 132; p. 255.
- Lindquist, A. (See Behrendt and Lindquist.)
- Lindquist, D. L., Yonkers, N. Y. Electromagnet. No. 892,065; June 30; Sp. p. 5853; Dr. p. 1259; Gaz. vol. 134; p. 2118.
- Lindquist, E. W. (See Bagdaley, Allen, and Lindquist.)
- Lindroth, A. L., Rumford, R. I. Tea and coffee strainer. No. 907,513; Dec. 22; Sp. p. 4667; Gaz. vol. 137; p. 1853.
- Lindsay, C. F., Schenectady, N. Y., assignor to General Electric Company. Arc-light electrode and making the same. No. 897,548; Sept. 1; Sp. p. 631; Dr. p. 130; Gaz. vol. 136; p. 99.
- Lindsay, C. W., Anthon, Iowa. Rotary gasoline-engine. No. 898,903; Sept. 15; Sp. p. 3301; Dr. pp. 707-8; Gaz. vol. 136; p. 600.
- Lindsay, D., Paterson, N. J. Loom harness mechanism. No. 897,549; Sept. 1; Sp. p. 633; Dr. p. 130; Gaz. vol. 136; p. 99.
- Lindsay, F., Etna, Pa. Wrench. No. 878,968; Feb. 11; Sp. p. 2223; Dr. p. 465; Gaz. vol. 132; p. 1234.
- Lindsay, H., assignor to Lindsay Wire Weaving Company, Cleveland, Ohio. Tension device for loom-shuttles. No. 879,184; Feb. 18; Sp. p. 2660; Dr. p. 555; Gaz. vol. 132; p. 1344.
- Lindsay, H., assignor to Lindsay Wire Weaving Company, Cleveland, Ohio. Loom. No. 903,589; Nov. 10; Sp. p. 2122; Gaz. vol. 137; p. 377.
- Lindsay, J., Haiku, Hawaii. Pineapple-corer. No. 891,555; June 23; Sp. p. 4609; Dr. p. 1038; Gaz. vol. 134; p. 1918.
- Lindsay, J. and R., Dunedin, New Zealand. Reversible and collapsible trolley-pole for electric vehicles. No. 895,378; Aug. 4; Sp. p. 1197; Dr. p. 252; Gaz. vol. 135; p. 1094.
- Lindsay, L. J., assignor of two-thirds to J. T. and J. C. Phillips, Seymour, Iowa. Nut-lock. No. 884,983; Apr. 14; Sp. p. 2681; Dr. p. 570; Gaz. vol. 133; p. 1646.
- Lindsay, R. (See Lindsay, J. and R.)
- Lindsay, R. J., Wrights, Cal. Brake-hanger. No. 893,334; July 14; Sp. p. 1900; Dr. p. 397; Gaz. vol. 135; p. 342.
- Lindsay, W. L., Kansas City, Kans. Riveting tool or engine. No. 878,645; Feb. 11; Sp. p. 1618; Dr. pp. 330-1; Gaz. vol. 132; p. 1131.
- Lindsay Wire Weaving Company. (See Lindsay, H., assignor.)
- Lindsey, A. A., trustee. (See Campbell, L. H., assignor.)
- Lindsey, L. A., Crystal Springs, Ga. Telephone-repeater. No. 901,974; Oct. 27; Sp. p. 3982; Dr. p. 812; Gaz. vol. 136; p. 1789.
- Lindsey, T. A., Baltimore, N. C. Punching-machine. No. 880,085; Feb. 25; Sp. p. 4541; Dr. p. 956; Gaz. vol. 132; p. 1672.
- Lindsey, W. A., Narberth, Pa. Combined electric alarm and light. No. 901,540; Oct. 20; Sp. p. 3099; Dr. p. 633; Gaz. vol. 136; p. 1617.
- Lindsey, W. S., assignor of one-half to J. S. Norton, St. Petersburg, Fla. Baby-bed. No. 884,509; Apr. 14; Sp. p. 1700; Dr. p. 366; Gaz. vol. 133; p. 1493.
- Lindskog, S. J., Los Angeles, Cal. Show-case. No. 884,098; Apr. 7; Sp. p. 871; Dr. p. 183; Gaz. vol. 133; p. 1331.
- Lindsley, J. D., assignor of one-fourth to C. H. Cons, Kansas City, Mo. Horse-detacher. No. 888,625; May 26; Sp. p. 4618; Dr. p. 980; Gaz. vol. 134; p. 845.
- Lindsley, W. D., Wynoka, Okla. Cotton-chopper. No. 902,500; Oct. 27; Sp. p. 5111; Dr. pp. 1034-5; Gaz. vol. 136; p. 1961.
- Lindström, C. A., Allegheny, Pa. Car-door-operating mechanism. No. 886,380; May 5; Sp. p. 77; Dr. p. 16; Gaz. vol. 134; p. 17.
- Lindström, C. A., assignor to Pressed Steel Car Company, Pittsburg, Pa. Car-door gear. No. 900,941; Oct. 13; Sp. p. 1860; Dr. p. 379; Gaz. vol. 136; p. 1384.
- Lindström, C. A., assignor to Pressed Steel Car Company, Pittsburg, Pa. Car-door mechanism. No. 902,749; Nov. 3; Sp. p. 425; Gaz. vol. 137; p. 74.
- Lindström, C. A., assignor to Pressed Steel Car Company, Pittsburg, Pa. Car construction. No. 903,488; Nov. 10; Sp. p. 1910; Gaz. vol. 137; p. 343.
- Lindström, C. A., Allegheny, assignor to Pressed Steel Car Company, Pittsburg, Pa. Tank-valve. No. 902,748; Nov. 3; Sp. p. 424; Gaz. vol. 137; p. 73.
- Lindstrom, C. A. J., Tacoma, Wash. Shaft-coupling. No. 904,341; Nov. 17; Sp. p. 3712; Gaz. vol. 137; p. 660.
- Lindstrom, G. G., and J. Wallin, Rockford, Ill. Musical-record holder. No. 879,279; Feb. 18; Sp. p. 2832; Dr. p. 593; Gaz. vol. 132; p. 1375.
- Lindström, J. P. L., Paris, France. Striking mechanism for clocks and the like. No. 900,399; Oct. 6; Sp. p. 689; Dr. p. 142; Gaz. vol. 136; p. 1181.
- Lindstrom, J. T., Allentown, Pa. Steam-trap. No. 894,021; July 21; Sp. p. 3439; Dr. p. 703; Gaz. vol. 135; p. 599.
- Lindt, F. C. (See Smith, J. M., assignor.)
- Lindy, S., New Orleans, La. Waistband. No. 885,933; Apr. 28; Sp. p. 4669; Dr. p. 984; Gaz. vol. 133; p. 2018.
- Lineback, E. E. (See Traxler and Lineback.)
- Linen Thread Company. (See Gay, G. E., assignor.)
- Linger, F. A. (See Donaldson, E. B., assignor.)
- Lingle, G. W., Chicago, Ill. Spirit-level. No. 883,212; Mar. 31; Sp. p. 5421; Dr. p. 1155; Gaz. vol. 133; p. 1016.
- Lingley, J., Peckham, England. Weather-screen for motor-vehicles. No. 890,667; June 16; Sp. p. 2986; Dr. pp. 654-5; Gaz. vol. 134; p. 1596.
- Lingner, K. A. (See Langer, A., assignor.)
- Linhoff, W., Pasadena, Cal., assignor of one-half to D. M. Stout, Bloomfield, N. J. Fender for lawn-sprinklers. No. 877,785; Jan. 28; Sp. p. 4272; Dr. p. 928; Gaz. vol. 132; p. 785.
- Link, A., St. Paul, Minn. Plane. No. 902,977; Nov. 3; Sp. p. 887; Gaz. vol. 137; p. 148.
- Link-Belt Company. (See Hetzel and Cochrane, assignors.)
- Link-Belt Company. (See Oakes, F. J., assignor.)
- Link, F., Hoboken, N. J. Hand-operated key-seating machine. No. 901,716; Oct. 20; Sp. p. 3485; Dr. p. 705; Gaz. vol. 136; p. 1675.
- Link, G., et al. (See Foss, W. O., assignor.)

Alphabetical list of patentees—Continued.

- Link, G. E., San Francisco, Cal. Fruit-drying oven. No. 906,639; Dec. 15; Sp. p. 2942; Gaz. vol. 137; p. 1531.
- Link, G. H. (See Sherman and Link.)
- Link, G. M., Dunkirk, N. Y. Box-lid holder. No. 901,920; Oct. 20; Sp. p. 3859; Dr. p. 787; Gaz. vol. 136; p. 1740.
- Link, J. C., Highbridge, Wis. Railway-signal. No. 877,464; Jan. 21; Sp. p. 3634; Dr. p. 787; Gaz. vol. 132; p. 661.
- Link, J. S. (See McNab and Link.)
- Link, W. D., Erie, Pa. Log-dumping device. No. 883,032; Mar. 24; Sp. p. 5045; Dr. pp. 1074-5; Gaz. vol. 133; p. 926.
- Linke, E. F., Hartford, Conn., assignor to Unotype Company, New York, N. Y. Type-setting machine and the like. No. 905,196; Dec. 1; Sp. p. 154; Gaz. vol. 137; p. 1008.
- Linn, A. W. (See Curry and Linn.)
- Linn, C., *et al.* (See Stubblefield, N. B., assignor.)
- Linn, C. O., Bridgeport, Kans. Manure-loader. No. 888,916; May 26; Sp. p. 5242; Dr. p. 1112; Gaz. vol. 134; p. 938.
- Linnert, F. W., Warrenton, Mo. Anchor for contour amalgam fillings. No. 880,896; Mar. 3; Sp. p. 840; Dr. p. 179; Gaz. vol. 133; p. 142.
- Linney, C. H., Eminence, Ky. Churn construction. No. 887,668; May 12; Sp. p. 2708; Dr. p. 573; Gaz. vol. 134; p. 466.
- Linotype and Machinery. (See Pearce, H., assignor.)
- Linotype and Machinery Limited. (See Caine and Mitton, assignors.)
- Linotype and Machinery Limited. (See Holbourns and Longhurst, assignors.)
- Lins, W. R., Philadelphia, Pa. Ore separating or concentrating machine. No. 898,119; Sept. 8; Sp. p. 1813; Dr. pp. 384-5; Gaz. vol. 136; p. 316.
- Linthicum, C. M. (See Ivery, J. W., assignor.)
- Linthicum, C. M. (See Ivery and Linthicum.)
- Linton, A. E., assignor of two-thirds to T. J. Gilstrap and J. R. Alvey, St. Paul, Ark. Churn-motor. No. 889,854; June 2; Sp. p. 1289; Dr. p. 296; Gaz. vol. 134; p. 1269.
- Linville, S. A. M., and L. Hicks, Concordia, Kans. Bridle-bit. No. 880,803; Mar. 3; Sp. p. 638; Dr. p. 134; Gaz. vol. 133; p. 110.
- Linzee, J. W., Jr., Boston, Mass. Reinforced concrete construction. No. 890,428; June 9; Sp. p. 2484; Dr. p. 550; Gaz. vol. 134; p. 1485.
- Lipe Gear Company. (See Porter, G. G., assignor.)
- Lipham, C. M., Fairburn, Ga. Iceless refrigerator. No. 900,400; Oct. 6; Sp. p. 691; Dr. p. 142; Gaz. vol. 136; p. 1181.
- Lipp, E. S., Myrtle Point, Oreg. Animal-trap. No. 899,114; Sept. 22; Sp. p. 3690; Dr. p. 791; Gaz. vol. 136; p. 696.
- Lippert, J. N. (See Kuhn, J., assignor.)
- Lippert, V. A., Canton, Ohio. Coin-controlled lock. No. 888,828; May 26; Sp. p. 5046; Dr. p. 1077; Gaz. vol. 134; p. 907.
- Lippincott, A. C., Scranton, Pa. Grate-bar. No. 892,599; July 7; Sp. p. 393; Dr. p. 87; Gaz. vol. 135; p. 73.
- Lippitt, E., Philadelphia, Pa. Knitting-machine. No. 876,815; Jan. 14; Sp. p. 2285; Dr. pp. 501-3; Gaz. vol. 132; p. 405.
- Lippmann, E. C., and R. McKinney, Simmons Switch, Ark. Roller-guide for band-saws. No. 876,816; Jan. 14; Sp. p. 2292; Dr. p. 523; Gaz. vol. 132; p. 405.
- Lippmann, L. J. (See Kaufman and Lippmann.)
- Lippold, J. W., Milwaukee, Wis. Temporary binder for shoe-uppers. No. 891,490; June 23; Sp. p. 4675; Dr. p. 1013; Gaz. vol. 134; p. 1898.
- Lipps, E. C., assignor to Peerless Electric Company, Warren, Ohio. Oscillating desk-fan. No. 897,752; Sept. 1; Sp. p. 1029; Dr. p. 219; Gaz. vol. 136; p. 167.
- Lippy, D., assignor to W. W. Pecht, Mansfield, Ohio. Tongue-support. No. 904,270; Nov. 17; Sp. p. 3550; Gaz. vol. 137; p. 635.
- Lipschutz, A., Chicago, Ill. Car-truck side frame. No. 883,143; Mar. 24; Sp. p. 5272; Dr. p. 1124; Gaz. vol. 133; p. 963.
- Lipschutz, A., Chicago, Ill. Car-truck side frame. No. 883,465; Mar. 31; Sp. p. 5965; Dr. p. 1273; Gaz. vol. 133; p. 1099.
- Lipscomb, H. E., and A. H. Andrews, Lancaster, Pa., assignors to Federal Cigar Company, New York, N. Y. Means for sealing cigars. No. 902,240; Oct. 27; Sp. p. 4534; Dr. pp. 918-19; Gaz. vol. 136; p. 1872.
- Lipscomb, W. C., Crockett, Tex. Loading apparatus. No. 889,699; June 2; Sp. p. 1006; Dr. p. 232; Gaz. vol. 134; p. 1220.
- Liptal, L., New York, N. Y. Safety device. No. 878,969; Feb. 11; Sp. p. 2224; Dr. p. 466; Gaz. vol. 132; p. 1234.
- Liptal, L., New York, N. Y. Bottle. No. 888,829; May 26; Sp. p. 5048; Dr. p. 1078; Gaz. vol. 134; p. 907.
- Liquid Vending Machine Company. (See MacLeod, A., assignor.)
- Lisbon Implement Company. (See Baker, J. D., assignor.)
- Liscom, H. H., assignor of one-half to E. Willoughby, Chicago, Ill. Temporary binder. No. 904,543; Nov. 24; Sp. p. 4134; Gaz. vol. 137; p. 754.
- Lisenby, W. T., Longbeach, Cal. Waste-pipe cleaner. No. 898,234; Sept. 8; Sp. p. 2042; Dr. p. 433; Gaz. vol. 136; p. 352.
- Lishman, T. (See Simpson and Lishman.)
- Liss, A. S., Chicago, Ill. Engine-mallet. No. 893,255; July 14; Sp. p. 1753; Dr. p. 370; Gaz. vol. 135; p. 316.
- List, G., Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Electron, Frankfurt-on-the-Main, Germany. Brown sulfur dye and making same. No. 889,936; June 9; Sp. p. 1467; Gaz. vol. 134; p. 1322.
- Lister, A. T., Cedar Vale, Kans. Automatic gate. No. 902,095; Oct. 27; Sp. p. 4232; Dr. pp. 857-8; Gaz. vol. 136; p. 1826.
- Lister, C. H. (See Mathews and Lister.)
- Lister & Company, R. A., *et al.* (See Horstmann, S. A., assignor.)
- Lister and Company, R. A. (See Richmond, E. W., assignor.)
- Lister, E. T. (See Tarpley and Lister.)
- Listerman, C. W., Covington, Ky. Combined drop-door hinge and brace. No. 905,722; Dec. 1; Sp. p. 1202; Gaz. vol. 137; p. 1179.
- Liston, J. C., Chatsworth, Ill. Marker attachment for corn-planters. No. 901,541; Oct. 20; Sp. p. 3100; Dr. p. 633; Gaz. vol. 136; p. 1617.
- Litch, L. W., Lynn, Mass. Combination height-increaser, heel-cushion, and stocking-protector. No. 898,120; Sept. 8; Sp. p. 1814; Dr. p. 385; Gaz. vol. 136; p. 316.
- Litchfield, C. T., assignor to Mono-Cycle Gas Engine and Manufacturing Company, Spokane, Wash. Gas-engine. No. 875,938; Jan. 7; Sp. p. 477; Dr. p. 103; Gaz. vol. 132; p. 86.
- Litchfield, E. C. (See Litchfield, H. L. and E. C.)
- Litchfield, E. C., and D. Garst, assignors to Litchfield Manufacturing Company, Waterloo, Iowa. Wagon. No. 888,626; May 26; Sp. p. 4622; Dr. p. 980; Gaz. vol. 134; p. 843.
- Litchfield, H. L. and E. C., assignors to Litchfield Manufacturing Company, Waterloo, Iowa. Draft-equalizer. No. 891,087; June 16; Sp. p. 3843; Dr. p. 840; Gaz. vol. 134; p. 1733.
- Litchfield, I. W., Boston, Mass., assignor to Lamson Consolidated Store Service Company, Newark, N. J. Store-service apparatus. No. 881,699; Mar. 10; Sp. p. 2390; Dr. p. 519; Gaz. vol. 133; p. 429.
- Litchfield Manufacturing Company. (See Litchfield, H. L. and E. C., assignors.)
- Litchfield Manufacturing Company. (See Litchfield and Garst, assignors.)
- Lithographic Stone and Marble Company. (See Thom, T. M., assignor.)
- Little, T. J., Jr., Philadelphia, Pa., assignor to Weisbach Light Company, Gloucester City, N. J. High-power lamp. No. 895,032; Aug. 4; Sp. p. 523; Dr. p. 106; Gaz. vol. 135; p. 980.
- Little, T. J., Jr., Philadelphia, Pa., assignor to Weisbach Light Company, Gloucester City, N. J. Atmospheric gas-burner. No. 901,934; Oct. 20; Sp. p. 3892; Dr. p. 794; Gaz. vol. 136; p. 1746.
- Litsch, L., St. Louis, Mo. Parcel-tying device. No. 896,646; Aug. 18; Sp. p. 3697; Dr. p. 795; Gaz. vol. 135; p. 1549.
- Litt, J. (See Darling, A., assignor.)
- Litt, M., Trenton, N. J. Bust-form or display-rack for shirt-waists and similar garments. No. 886,524; May 5; Sp. p. 360; Dr. p. 74; Gaz. vol. 134; p. 66.
- Littell, B. A. (See Rogers, T. T., assignor.)
- Littell, J. S., Brockport, N. Y. Educational appliance. No. 898,754; Sept. 15; Sp. p. 3031; Dr. p. 650; Gaz. vol. 136; p. 551.
- Little, A. B., Atlanta, Ga. Car-stake. No. 906,539; Dec. 15; Sp. p. 2762; Gaz. vol. 137; p. 1501.
- Little, A. L. (See Hunter, H., assignor.)
- Little, A. W., Colesville, N. J. Animal-trap. No. 886,381; May 5; Sp. p. 80; Dr. p. 16; Gaz. vol. 134; p. 18.
- Little, A. W., Colesville, N. J. Skinning implement. No. 901,016; Oct. 13; Sp. p. 2010; Dr. p. 408; Gaz. vol. 136; p. 1410.
- Little, C. C., San Jose, Cal. Camera-shutter release. No. 879,058; Feb. 11; Sp. p. 2384; Dr. p. 499; Gaz. vol. 133; p. 1261.
- Little, C. C., San Jose, Cal. Receipt-holder. No. 898,755; Sept. 15; Sp. p. 3034; Dr. p. 650; Gaz. vol. 136; p. 551.
- Little, C. H., Piqua, Ohio. Undergarment. No. 892,277; June 30; Sp. p. 6266; Dr. p. 1348; Gaz. vol. 134; p. 2189.
- Little, C. H., Piqua, Ohio. Undergarment. No. 894,840; Aug. 4; Sp. p. 78; Dr. p. 17; Gaz. vol. 135; p. 913.
- Little & Company, A. E. (See Baynard, W. H., assignor.)
- Little, G. M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrode for arc-lamps. No. 889,937; June 9; Sp. p. 1468; Dr. p. 333; Gaz. vol. 134; p. 1322.
- Little, H. P., Forest Home, Ala. Back-band hook. No. 881,809; Mar. 10; Sp. p. 2611; Dr. p. 560; Gaz. vol. 133; p. 465.
- Little, J. C. (See Stillwell, C. B., assignor.)
- Little, O. C., assignor of one-fourth to E. V. Treleven, Menasha, Wis. Spring-retainer for sliding shoes. No. 886,301; Apr. 28; Sp. p. 5390; Dr. p. 1132; Gaz. vol. 133; p. 2139.
- Little, R. A., Buffalo, N. Y. Non-refillable bottle. No. 891,491; June 23; Sp. p. 4676; Dr. p. 1013; Gaz. vol. 134; p. 1858.

Alphabetical list of patentees—Continued.

- Little, R. H., Chicago, Ill. Slicing mechanism. No. 889,938; June 9; Sp. p. 1470; Dr. p. 333; Gaz. vol. 134; p. 1323.
- Little, W., Ballarat, Victoria, Australia. Culinary-vessel heat-economizing and flame-protecting casing. No. 877,349; Jan. 21; Sp. p. 3412; Dr. p. 740; Gaz. vol. 132; p. 623.
- Little, W. B., New York, N. Y. Curtain-pole. No. 897,550; Sept. 1; Sp. p. 634; Dr. p. 131; Gaz. vol. 136; p. 99.
- Littlefield, D. B., Chicago, Ill. Sustaining and propelling mechanism. No. 882,899; Mar. 24; Sp. p. 4794; Dr. pp. 1019-20; Gaz. vol. 133; p. 882.
- Littlefield, E. F., and H. A. Drinkwater, Belfast, Me. Rewinder for perforating-machines. No. 883,213; Mar. 31; Sp. p. 5422; Dr. p. 1155; Gaz. vol. 133; p. 1017.
- Littlefield, F. A., Nashua, N. H., assignor to Nashua Machine Company, Portland, Me. Trap. No. 893,529; July 14; Sp. p. 2309; Dr. pp. 484-5; Gaz. vol. 135; p. 405.
- Littler, H. J., Vancouver, British Columbia, Canada. Logger's wire-rope sheave-block. No. 898,121; Sept. 8; Sp. p. 1815; Dr. p. 385; Gaz. vol. 136; p. 316.
- Littlewood, J. C. (See Deschane and Littlewood.)
- Littmann, M., Munich, Germany. Theater appliance. No. 892,600; July 7; Sp. p. 394; Dr. p. 87; Gaz. vol. 135; p. 73.
- Litzelman, T. J., Williamsport, Pa. Hand-pruner. No. 907,064; Dec. 15; Sp. p. 3739; Gaz. vol. 137; p. 1666.
- Litzelman, T. J., Williamsport, Pa. Pruner. No. 907,065; Dec. 15; Sp. p. 3741; Gaz. vol. 137; p. 1666.
- Lively, O. P., Portsmouth, Va. Display-stand. No. 888,716; May 26; Sp. p. 4799; Dr. p. 1022; Gaz. vol. 134; p. 871.
- Lively, Z. A., Roseville, W. Va. Horse-detacher. No. 878,812; Feb. 11; Sp. p. 1937; Dr. p. 401; Gaz. vol. 132; p. 1185.
- Livingood, W. S., assignor to Smith & Sons Mfg. Co., Kansas City, Mo. Road-grader. No. 884,396; Apr. 14; Sp. p. 1474; Dr. p. 315; Gaz. vol. 133; p. 1457.
- Livingood, W. S., assignor to Smith & Sons Mfg. Co., Kansas City, Mo. Road-grader. No. 890,778; June 16; Sp. p. 3234; Dr. p. 707; Gaz. vol. 134; p. 1633.
- Livingston, D. (See Smith and Livingston.)
- Livingston, F. S. (See Snow, F. P., assignor.)
- Livingston, J. K., Casey, Ill. Clasp. No. 890,241; June 9; Sp. p. 2106; Dr. p. 461; Gaz. vol. 134; p. 1425.
- Livingston, J. K., Casey, Ill. Garment-fastener. No. 903,590; Nov. 10; Sp. p. 2124; Gaz. vol. 137; p. 377.
- Livingston, M., Herscher, Ill. Drenching-bottle. No. 907,256; Dec. 22; Sp. p. 4171; Gaz. vol. 137; p. 1767.
- Livingstone, W., assignor to himself and J. H. Dale, New York, N. Y. Globe-holder for gas-burners. No. 878,299; Feb. 4; Sp. p. 835; Dr. p. 166; Gaz. vol. 132; p. 982.
- Livtschak, J., St. Petersburg, Russia. Speed-recorder for locomotives. No. 887,823; May 19; Sp. p. 3029; Dr. pp. 636-7; Gaz. vol. 134; p. 548.
- Ljunglof, L., Newark, N. J., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Clamp. No. 876,908; Jan. 14; Sp. p. 2475; Dr. p. 641; Gaz. vol. 132; p. 436.
- Ljungman, C. E. (See Berglund, Hjorth, and Ljungman.)
- Ljungström, B., Stockholm, Sweden. Turbine. No. 906,244; Dec. 8; Sp. p. 2225; Gaz. vol. 137; p. 1381.
- Ljungström, B., Stockholm, Sweden. Elastic-fluid turbine. No. 906,640; Dec. 15; Sp. p. 2944; Gaz. vol. 137; p. 1532.
- Ljungström, B., assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal machine. No. 891,271; June 23; Sp. p. 4219; Dr. p. 923; Gaz. vol. 134; p. 1825.
- Ljungström, B., assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal machine. No. 891,845; June 30; Sp. p. 5425; Dr. p. 1175; Gaz. vol. 134; p. 2047.
- Ljungström, F., Tumba, assignor to Aktiebolaget Separator, Stockholm, Sweden. Liner for centrifugal bowls. No. 892,999; July 14; Sp. p. 1254; Dr. p. 263; Gaz. vol. 135; p. 234.
- Lkiewicz, A., Berkeley, Cal. Dredger-cutter. No. 903,210; Nov. 10; Sp. p. 1356; Gaz. vol. 137; p. 252.
- Llewellyn, M., et al. (See Senter, J. F., assignor.)
- Lloyd, B., assignor to one-half to F. P. Bayles, Cokedale, Colo. Dumping car, wagon, and the like. No. 880,548; Mar. 3; Sp. p. 109; Dr. p. 25; Gaz. vol. 133; p. 22.
- Lloyd, E. L., Utica, N. Y. Holder. No. 899,311; Sept. 22; Sp. p. 4099; Dr. p. 876; Gaz. vol. 136; p. 760.
- Lloyd, G. G., Donaldson, Minn. Watch-bezel. No. 880,897; Mar. 3; Sp. p. 841; Dr. p. 179; Gaz. vol. 133; p. 142.
- Lloyd, H. F., Sutton Coldfield, near Birmingham, England. Valve-gear for internal-combustion engines. No. 903,741; Nov. 10; Sp. p. 2404; Gaz. vol. 137; p. 423.
- Lloyd, J. U., Norwood, Ohio. Concentrator for solutions. No. 891,492; June 23; Sp. p. 4677; Dr. p. 1013; Gaz. vol. 134; p. 1898.
- Lloyd, M. B. (See Pangborn, L. D., assignor.)
- Lloyd, M. B., assignor to Lloyd Manufacturing Co., Menominee, Mich. Folding go-cart. No. 898,235; Sept. 8; Sp. p. 2043; Dr. p. 434; Gaz. vol. 136; p. 352.
- Lloyd Manufacturing Co. (See Lloyd, M. B., assignor.)
- Lloyd, R. L. (See Dwight and Lloyd.)
- Lloyd, W. H., Los Angeles, Cal. Rock and ore crusher. No. 892,861; July 7; Sp. p. 938; Dr. p. 198; Gaz. vol. 135; p. 157.
- Lloyd, W. J., Rugby, England, assignor to General Electric Company. Meter. No. 896,999; Aug. 25; Sp. p. 4492; Dr. p. 959; Gaz. vol. 135; p. 1690.
- Lobdell, B. S., Chicago, Ill. Writing or drawing packet. No. 890,076; June 9; Sp. p. 1765; Dr. p. 390; Gaz. vol. 134; p. 1371.
- Loberg, F. M., Homestead, N. D. Tramway. No. 879,280; Feb. 18; Sp. p. 2833; Dr. p. 594; Gaz. vol. 132; p. 1375.
- Robert, F. A., National City, Cal. Composition of matter. No. 896,558; Aug. 18; Sp. p. 3545; Gaz. vol. 135; p. 1522.
- Lobmiller, J., Wellsburg, W. Va. Box-scraper. No. 880,745; Mar. 3; Sp. p. 523; Dr. p. 109; Gaz. vol. 133; p. 90.
- Lobnitz, F., Renfrew, Scotland. Cutter of rock-cutting apparatus. No. 880,227; Feb. 25; Sp. p. 4835; Dr. pp. 1022-3; Gaz. vol. 132; p. 1719.
- Lobnitz, F., Renfrew, Scotland. Discharge-door of hopper dredgers and barges. No. 905,338; Dec. 1; Sp. p. 406; Gaz. vol. 137; p. 1054.
- Lobnitz, F., Renfrew, Scotland. Discharge-door of hopper dredgers and barges. No. 905,821; Dec. 1; Sp. p. 1397; Gaz. vol. 137; p. 1212.
- Loch, J., Brooklyn, N. Y. Electric door-opener. No. 886,827; May 5; Sp. p. 1002; Dr. p. 210; Gaz. vol. 134; p. 164.
- Lochner, L. V., Auburn, Ind. Automobile-gearing. No. 887,824; May 19; Sp. p. 3035; Dr. pp. 637-8; Gaz. vol. 134; p. 549.
- Lock, J. H., Rondo, Mich. Horsehoe. No. 885,352; Apr. 21; Sp. p. 3481; Dr. pp. 725-6; Gaz. vol. 133; p. 1803.
- Lock-Joint Pipe Company. (See Meriwether, C., assignor.)
- Lockard, W. A., Philadelphia, Pa. Railway-tie. No. 899,174; Sept. 22; Sp. p. 3825; Dr. p. 819; Gaz. vol. 136; p. 717.
- Locke, A. R., Chicago, Ill. Insulator for armature-conductors. No. 899,059; Sept. 22; Sp. p. 3584; Dr. p. 768; Gaz. vol. 136; p. 677.
- Locke, B. H., New York, N. Y. Rock-drill. No. 879,971; Feb. 25; Sp. p. 4311; Dr. pp. 901-2; Gaz. vol. 132; p. 1635.
- Locke, B. H., New York, N. Y. Machine for sharpening rock-drills. No. 898,663; Sept. 15; Sp. p. 2869; Dr. p. 613; Gaz. vol. 136; p. 522.
- Locke, C. A., Salt Lake City, Utah. Letter-clip. No. 895,379; Aug. 4; Sp. p. 1199; Dr. p. 252; Gaz. vol. 135; p. 1095.
- Locke, E. (See Peterson, A. E., assignor.)
- Locke, F. M., Victor, N. Y. High-potential insulator. No. 878,646; Feb. 11; Sp. p. 1623; Dr. p. 331; Gaz. vol. 132; p. 1131.
- Locke, F. M., Victor, N. Y. Wire-fastener for insulators. No. 887,107; May 12; Sp. p. 1538; Dr. p. 325; Gaz. vol. 134; p. 282.
- Locke, F. M., Victor, N. Y. Making feldspar flux. No. 897,636; Sept. 1; Sp. p. 803; Gaz. vol. 136; p. 128.
- Locke, F. M., Victor, N. Y. System of electrical insulation. No. 903,875; Nov. 17; Sp. p. 2717; Gaz. vol. 137; p. 501.
- Locke, F. M., Victor, N. Y. Manufacture of spar insulators. No. 907,155; Dec. 22; Sp. p. 3937; Gaz. vol. 137; p. 1732.
- Locke Insulator Manufacturing Company. (See Goddard and Lapp, assignors.)
- Locke, J., Dickson, Tenn. Hammock-support. No. 893,083; July 14; Sp. p. 1404; Dr. p. 297; Gaz. vol. 135; p. 260.
- Locke, J. C., Westmont, Quebec, Canada. Horsehoe-creaser. No. 877,577; Jan. 28; Sp. p. 3884; Dr. p. 842; Gaz. vol. 132; p. 719.
- Locke, M. S., Syracuse, Ind. Vegetable-cutter. No. 887,205; May 12; Sp. p. 1702; Dr. p. 362; Gaz. vol. 134; p. 312.
- Locke, N. C., Salem, Mass. Automatic engine-stop. No. 896,402; Aug. 15; Sp. p. 3223; Dr. p. 692; Gaz. vol. 135; p. 1470.
- Locke, W., Westfield, and E. B. Dunn, East Orange, N. J., assignors, by mesne assignments, to Vacuum Engineering Company. Apparatus for removing dust by pneumatic suction. No. 893,853; July 21; Sp. p. 3087; Dr. pp. 631-2; Gaz. vol. 135; p. 543.
- Locke, W., Westfield, and E. B. Dunn, East Orange, N. J., assignors, by mesne assignments, to Vacuum Engineering Company. Suction apparatus for pneumatic cleaning systems. No. 893,854; July 21; Sp. p. 3091; Dr. p. 632; Gaz. vol. 135; p. 544.
- Locke, W. H., Jr. (See Sindighchristensen, F., assignor.)
- Locke, W. P., Canton, Ohio, assignor to G. A. Ley, South Bend, Ind. Siphon. No. 894,798; July 28; Sp. p. 5003; Dr. p. 1044; Gaz. vol. 135; p. 873.
- Lockport Stamping Company. (See Babbitt and Hanchett, assignors.)
- Lockwood, B. D., Indianapolis, Ind. Pilot for locomotives and the like. No. 890,077; June 9; Sp. p. 1766; Dr. p. 391; Gaz. vol. 134; p. 1371.
- Lockwood, B. D., Indianapolis, Ind., and F. M. Whyte, Tarrytown, N. Y. Brake-shoe. No. 899,454; Sept. 22; Sp. p. 4343; Dr. p. 932; Gaz. vol. 136; p. 805.
- Lockwood, G. R., St. Louis, Mo. Envelope. No. 900,751; Oct. 13; Sp. p. 1447; Dr. p. 294; Gaz. vol. 136; p. 1323.
- Lockwood, H. A., Kansas City, Mo. Pleasure-railway. No. 877,100; Jan. 21; Sp. p. 2903; Dr. p. 629; Gaz. vol. 132; p. 541.
- Lockwood, J. E. (See Seitz, E., assignor.)
- Lockwood, T. E., Milford, Ohio. Educational toy. No. 894,274; July 28; Sp. p. 3984; Dr. p. 822; Gaz. vol. 135; p. 703.

Alphabetical list of patentees—Continued.

- Lockwood, V., *et al.* (See Shumate, J. W., assignor.)
- Lockwood, W. A., and L. Hamm, Weatherly, Pa. Cross-tie. No. 906,144; Dec. 8; Sp. p. 2022; Gaz. vol. 137; p. 1346.
- Lockwood, W. D. Schenectady, N. Y. Dumping-skip. No. 902,423; Oct. 27; Sp. p. 4944; Dr. p. 998; Gaz. vol. 136; p. 1934.
- Lockyer, E., McKeesport, Pa. Caster. No. 883,655; Mar. 31; Sp. p. 6344; Dr. p. 1352; Gaz. vol. 133; p. 1157.
- Lockyer, E., McKeesport, Pa. Wrench. No. 888,338; May 19; Sp. p. 4006; Dr. p. 846; Gaz. vol. 134; p. 714.
- Locomobile Company of America. (See Harris, C. J., assignor.)
- "Locomobile" Company of America. (See Riker, C. J., assignor.)
- Locomotive Tender Frame Company. (See Adams and Howard, assignors.)
- Locomotive Tender Frame Company. (See McIntosh, W., assignor.)
- Loder, J. S., assignor to Loder Smelter and Refiner Co., Reno, Nev. Smelting-furnace. No. 891,349; June 23; Sp. p. 4391; Dr. pp. 955-6; Gaz. vol. 134; p. 1851.
- Loder Smelter and Refiner Co. (See Loder, J. S., assignor.)
- Lodge & Shipley Machine Tool Company. (See Chard and Shipley, assignors.)
- Lodge, W. S., Albany, N. Y. Broom-cover. No. 880,086; Feb. 25; Sp. p. 4541; Dr. p. 956; Gaz. vol. 132; p. 1672.
- Lodmell, L. B., Flaxton, N. D. Hen's nest. No. 885,626; Apr. 21; Sp. p. 4014; Dr. p. 838; Gaz. vol. 133; p. 1886.
- Lodor, J. C., Wilmington, N. C. Trigger. No. 879,185; Feb. 18; Sp. p. 2661; Dr. p. 555; Gaz. vol. 132; p. 1345.
- Lodwig, A. C., Oxnard, Cal. Cultivator. No. 893,335; July 14; Sp. p. 1901; Dr. pp. 397-8; Gaz. vol. 135; p. 342.
- Loe, S., Minneapolis, Minn. Lace-fastener. No. 887,669; May 12; Sp. p. 2710; Dr. p. 573; Gaz. vol. 134; p. 467.
- Loe, S., Minneapolis, Minn. Independent-vote mechanism for voting-machines. No. 891,941; June 30; Sp. p. 5615; Dr. pp. 1210-11; Gaz. vol. 134; p. 2080.
- Loe, S., Minneapolis, Minn. Independent-vote mechanism for voting-machines. No. 895,872; Aug. 11; Sp. p. 2197; Dr. p. 468; Gaz. vol. 135; p. 1279.
- Loe, S., Minneapolis, Minn. Lace-fastener. No. 907,257; Dec. 22; Sp. p. 4172; Gaz. vol. 137; p. 1768.
- Loeb, H. (See Bienenstock, S., assignor.)
- Loeb, M., assignor of one-half to M. May, New York, N. Y. Apparatus for separating fat from water. No. 885,353; Apr. 21; Sp. p. 3482; Dr. p. 726; Gaz. vol. 133; p. 1803.
- Loeb, R., Camden, N. J. Embroidering-machine. No. 904,626; Nov. 24; Sp. p. 4292; Gaz. vol. 137; p. 781.
- Loeb, R., Jersey City, N. J. Pipe and gas connection. No. 877,849; Jan. 28; Sp. p. 4389; Dr. p. 955; Gaz. vol. 132; p. 805.
- Loedige, F., Chicago, Ill. Valve-packing. No. 887,405; May 12; Sp. p. 2204; Dr. p. 460; Gaz. vol. 134; p. 380.
- Loeffler, G., Tampa, Fla. Horseshoe. No. 908,287; Dec. 29; Sp. p. 6314; Gaz. vol. 137; p. 2138.
- Loehler, G. G. (See Meehan, J. J., assignor.)
- Loehr, M. E., Claypool, Ind. Fishing-float. No. 885,627; Apr. 21; Sp. p. 4015; Dr. p. 839; Gaz. vol. 133; p. 1886.
- Loehr, M. E., Claypool, Ind. Saw-table gear. No. 904,342; Nov. 17; Sp. p. 3714; Gaz. vol. 137; p. 660.
- Loew, C. H., Lakewood, Ohio. Filter. No. 893,866; July 21; Sp. p. 2979; Dr. pp. 610-11; Gaz. vol. 135; p. 527.
- Loew, C. H., Lakewood, Ohio. Pasteurizing apparatus. No. 902,826; Nov. 3; Sp. p. 578; Gaz. vol. 137; p. 99.
- Loewe, C. C., Berlin, Germany. Route-guide map. No. 891,272; June 23; Sp. p. 4221; Dr. p. 924; Gaz. vol. 134; p. 1825.
- Loewenstein, L. (See Wouwermans, P. von, assignor.)
- Loewenstein, M., deceased. (S. Loewenstein, administrator.) assignor of two-thirds to M. Kind, New York, N. Y., and J. Stork, Brussels, Belgium. Carburetor. No. 885,265; Apr. 21; Sp. p. 3289; Dr. p. 688; Gaz. vol. 133; p. 1773.
- Loewenstein, S., administrator. (See Loewenstein, M.)
- Loewenthal, A., *et al.*, trustees. (See Beck, O. P., assignor.)
- Loewenthal, A., *et al.*, trustees. (See Dunn, C. E., assignor.)
- Loewenthal, A., *et al.*, trustees. (See Nelson, C. E., assignor.)
- Loewenthal, M., Newark, N. J. Socket-key clamp. No. 875,830; Jan. 7; Sp. p. 286; Dr. p. 62; Gaz. vol. 132; p. 53.
- Loewenthal, S., Braunschweig, and K. Luer, assignors to Firm of Radiogen Gesellschaft mit beschränkter Haftung, Charlottenburg, Germany. Radio-active mass. No. 907,066; Dec. 15; Sp. p. 3743; Gaz. vol. 137; p. 1667.
- Loewer, H. F., Rochester, N. Y. Last. No. 898,664; Sept. 15; Sp. p. 2871; Dr. p. 613; Gaz. vol. 136; p. 523.
- Löffl, F., Garrett, Ind. Jar-closure. No. 882,116; Mar. 17; Sp. p. 3268; Dr. p. 695; Gaz. vol. 133; p. 595.
- Löffler, C. L., Sioux Falls, S. D. Attachment for syringes. No. 905,197; Dec. 1; Sp. p. 157; Gaz. vol. 137; p. 1008.
- Loflin, C. M., Ellis, Kans. Draft-equalizer. No. 880,804; Mar. 3; Sp. p. 639; Dr. p. 134; Gaz. vol. 133; p. 110.
- Lofstrom, I. O., Selby, Cal. Retaining-comb. No. 894,674; July 28; Sp. p. 4785; Dr. p. 993; Gaz. vol. 135; p. 834.
- Lofthus, K. O., Brodhead, Wis. Rail-fastener. No. 898,053; Sept. 8; Sp. p. 1683; Dr. p. 357; Gaz. vol. 136; p. 295.
- Logan, C. E., Mill Grove, Mo. Wire-fence-stretching clamp. No. 898,236; Sept. 8; Sp. p. 2046; Dr. p. 434; Gaz. vol. 136; p. 353.
- Logan, G., Albany, N. Y. Film-holder. No. 902,153; Oct. 27; Sp. p. 4356; Dr. p. 882; Gaz. vol. 136; p. 1845.
- Logan, H. T., Erith, England. Mechanical piano-player. No. 900,179; Oct. 6; Sp. p. 228; Dr. p. 46; Gaz. vol. 136; p. 1109.
- Logan, J., *et al.*, administrators. (See Logan, L. L.)
- Logan, J. B., Ina, Ill. Carpet-stretcher. No. 876,817; Jan. 14; Sp. p. 2293; Dr. p. 504; Gaz. vol. 132; p. 406.
- Logan, J. E., Kansas City, Mo. Mold for forming artificial-stone posts. No. 887,206; May 12; Sp. p. 1703; Dr. p. 362; Gaz. vol. 134; p. 312.
- Logan, L. L., deceased, New Haven, Pa.; J. Logan and W. P. Townsend administrators. Oiling attachment. No. 897,753; Sept. 1; Sp. p. 1030; Dr. p. 219; Gaz. vol. 136; p. 167.
- Loggie, G. W., Bellingham, Wash. Vacuum clamping device for stave columns. No. 893,000; July 14; Sp. p. 1256; Dr. p. 264; Gaz. vol. 135; p. 234.
- Logsdon, A., assignor of one-half to G. I. Birdsall, Perry, Iowa. Adjustable window shade and curtain fixture. No. 907,696; Dec. 22; Sp. p. 5099; Gaz. vol. 137; p. 1913.
- Logue, T. D., assignor of one-half to N. Silin, Sinnamahoning, Pa. Lid-lifting attachment. No. 897,838; Sept. 1; Sp. p. 1217; Dr. p. 260; Gaz. vol. 136; p. 193.
- Lougin, A. J., Wilkinsburg, Pa. Gearing. No. 885,354; Apr. 21; Sp. p. 3484; Dr. p. 726; Gaz. vol. 133; p. 1803.
- Löhle, K., Zurich, Switzerland. Apparatus for elevating ships. No. 887,951; May 19; Sp. p. 3283; Dr. p. 690; Gaz. vol. 134; p. 591.
- Löhnes, D. T., Omaha, Neb. Vehicle-brake. No. 886,828; May 5; Sp. p. 1004; Dr. p. 211; Gaz. vol. 134; p. 164.
- Lohr, C. A., Wilkinsburg, Pa. Alternating-current generator. No. 884,831; Apr. 14; Sp. p. 2382; Dr. p. 501; Gaz. vol. 133; p. 1601.
- Lohr, D. A., assignor of one-half to C. A. Jones, Pittsburg, Pa. Musical cane. No. 894,512; July 28; Sp. p. 4458; Dr. p. 923; Gaz. vol. 135; p. 780.
- Lohse, R., Breslau, Germany. Liquid-meter. No. 879,563; Feb. 18; Sp. p. 3433; Dr. p. 719; Gaz. vol. 132; p. 1468.
- Loitron, A., Plaine St. Denis, France. Variable-speed gearing. No. 901,456; Oct. 20; Sp. p. 2919; Dr. p. 595; Gaz. vol. 136; p. 1589.
- Loller, M. B., New York, N. Y. Shoe-lace fastener. No. 882,701; Mar. 24; Sp. p. 4385; Dr. p. 933; Gaz. vol. 133; p. 619.
- Lombard, D. E., New York, N. Y. Combination-lock for doors. No. 895,380; Aug. 4; Sp. p. 1200; Dr. p. 253; Gaz. vol. 135; p. 1095.
- Lombard, G. B. (See Wakefield, J. P., assignor.)
- Lombard Governor Company. (See Warren, H. E., assignor.)
- Lombardo, A., Washington, Iowa. Lawn-coaster. No. 895,569; Aug. 11; Sp. p. 1589; Dr. p. 336; Gaz. vol. 135; p. 1181.
- Lombardo, A., assignor of one-half to F. W. Brindley, Washington, Iowa. Scoop-board. No. 905,086; Nov. 24; Sp. p. 5241; Gaz. vol. 137; p. 934.
- Lombardo, M., Mason City, Iowa. Banana-crate. No. 890,668; June 16; Sp. p. 2988; Dr. p. 656; Gaz. vol. 134; p. 1596.
- Lommatsch, E., Bösdorf, Germany. Laundry washing-machine. No. 896,125; Aug. 18; Sp. p. 2679; Dr. p. 578; Gaz. vol. 135; p. 1381.
- Lommel, W., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Leuco derivative of the gallocyanin series. No. 884,745; Apr. 14; Sp. p. 2218; Gaz. vol. 133; p. 1573.
- Lommel, W., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Leuco derivative of the gallocyanin series. No. 893,855; July 21; Sp. p. 3093; Gaz. vol. 135; p. 544.
- Lommel, W., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Celestin-blue sulfonic acid. No. 902,154; Oct. 27; Sp. p. 4356; Gaz. vol. 136; p. 1846.
- Loncle, M. C., assignor to Société Loncle Frères, Paris, France. Double collar. No. 906,905; Dec. 15; Sp. p. 3460; Gaz. vol. 137; p. 1616.
- Londick, J. H., Alma, Mich. Calipers. No. 890,242; June 9; Sp. p. 2107; Dr. p. 461; Gaz. vol. 134; p. 1425.
- Londick, J. H., Alma, Mich. Calipers. No. 890,287; June 9; Sp. p. 2220; Dr. p. 488; Gaz. vol. 134; p. 1439.
- London, A. L., Pittsburg, Pa. Buckle. No. 898,122; Sept. 8; Sp. p. 1817; Dr. p. 385; Gaz. vol. 136; p. 317.
- London, R., New York, N. Y. Buckle. No. 892,862; July 7; Sp. p. 939; Dr. p. 198; Gaz. vol. 135; p. 157.
- London, R., New York, N. Y. Buckle. No. 893,336; July 14; Sp. p. 1904; Dr. p. 398; Gaz. vol. 135; p. 343.
- Londress, G., Grafton, W. Va. Vehicle-brake. No. 898,904; Sept. 15; Sp. p. 3303; Dr. p. 708; Gaz. vol. 136; p. 601.
- Lonergan, D. F., Morristown, N. J. Device for operating window-blinds. No. 887,670; May 12; Sp. p. 2711; Dr. p. 573; Gaz. vol. 134; p. 467.
- Lonergan, E. J., Chicago, Ill. Coin-operated attachment for pay-telephones. No. 895,777; Aug. 11; Sp. p. 2006; Dr. pp. 425-6; Gaz. vol. 135; p. 1248.
- Lonergan, P., Silverton, Colo. Drill-chuck. No. 895,381; Aug. 4; Sp. p. 1205; Dr. p. 253; Gaz. vol. 135; p. 1095.
- Lonergan, P. J., Denver, Colo. Rotary stamp-mill. No. 897,214; Aug. 25; Sp. p. 4895; Dr. p. 1043; Gaz. vol. 135; p. 1759.

Alphabetical list of patentees—Continued.

- Long, A., Lawrence, assignor to American Textile Machinery Company, Lynn, Mass. Circle-comb. No. 896,403; Aug. 18; Sp. p. 3230; Dr. pp. 692-3; Gaz. vol. 135; p. 1471.
- Long, A., Lawrence, assignor of two-thirds to Isaac S. Leadbetter, Swampscott, Mass., and R. A. Shorey, East Rochester, N. H. Spindle for spinning-machines. No. 902,890; Nov. 3; Sp. p. 734; Gaz. vol. 137; p. 121.
- Long, A. D., and G. Dietz, assignors to Loudon Machinery Company, Fairfield, Iowa. Conveyer. No. 897,380; Sept. 1; Sp. p. 287; Dr. p. 58; Gaz. vol. 136; p. 43.
- Long, A. E., Brooklyn, N. Y. Perambulator. No. 877,350; Jan. 21; Sp. p. 3414; Dr. pp. 741-2; Gaz. vol. 132; p. 623.
- Long, A. J., *et al.* (See Jones, A. M., assignor.)
- Long, B. (See Dailey and Long.)
- Long, C. A., Spokane, Wash. Hoe. No. 876,649; Jan. 14; Sp. p. 1996; Dr. pp. 434-5; Gaz. vol. 132; p. 354.
- Long, C. E. B., Owensboro, Ky. Rake-head bar and tooth. No. 892,532; July 7; Sp. p. 274; Dr. p. 60; Gaz. vol. 135; p. 51.
- Long, E. L., Cheektowaga, N. Y. Grate. No. 906,641; Dec. 15; Sp. p. 2945; Gaz. vol. 137; p. 1532.
- Long, F. B., and E. A. Tappe, Los Angeles, Cal. Pneumatic action for self-players. No. 895,382; Aug. 4; Sp. p. 1207; Dr. p. 254; Gaz. vol. 135; p. 1096.
- Long, F. N., assignor of one-half to F. J. White, Oakland, Cal. Elevator-door-opening device. No. 897,910; Sept. 8; Sp. p. 1380; Dr. p. 295; Gaz. vol. 136; p. 249.
- Look, F. N., assignor to Florence Manufacturing Company, Northampton, Mass. Display-holder. No. 900,942; Oct. 13; Sp. p. 1862; Dr. p. 379; Gaz. vol. 136; p. 1385.
- Long, G. A., assignor to Gray Telephone Pay Station Company, Hartford, Conn. Toll-collecting box. No. 894,388; July 28; Sp. p. 4210; Dr. pp. 868-9; Gaz. vol. 135; p. 740.
- Long, J. T. E. Knight, and W. Judd, Eureka; said Long assignor, by mesne assignments, to O. W. Obarr, Humboldt county, Cal. Indicator for locating sunken vessels. No. 889,024; May 26; Sp. p. 5436; Dr. p. 1155; Gaz. vol. 134; p. 971.
- Long, J. B., and C. Wright, assignors to Long Manufacturing Company, Chicago, Ill. Radiator for automobiles. No. 898,237; Sept. 8; Sp. p. 2047; Dr. p. 434; Gaz. vol. 136; p. 353.
- Long, J. B., and F. Todd, Chicago, Ill.; said Todd assignor to said Long. Radiator. No. 898,238; Sept. 8; Sp. p. 2048; Dr. p. 435; Gaz. vol. 136; p. 353.
- Long, J. D., San Francisco, Cal. Rotary explosive-engine. No. 878,144; Feb. 4; Sp. p. 493; Dr. p. 105; Gaz. vol. 132; p. 930.
- Long, J. E., Chillicothe, Ohio. Table. No. 896,126; Aug. 18; Sp. p. 2680; Dr. pp. 578-9; Gaz. vol. 135; p. 1382.
- Long, J. H., New Philadelphia, Ohio. Street-sweeper. No. 881,323; Mar. 10; Sp. p. 1659; Dr. p. 355; Gaz. vol. 133; p. 309.
- Long, J. H., Melrose, Mass. Conveyer. No. 903,591; Nov. 10; Sp. p. 2127; Gaz. vol. 137; p. 377.
- Long, J. R., Akron, Ohio. Wrench. No. 890,146; June 9; Sp. p. 1904; Dr. p. 421; Gaz. vol. 134; p. 1394.
- Long Manufacturing Company. (See Long and Wright, assignors.)
- Long, N. E., Ambrose, Ga. Strainer. No. 893,177; July 14; Sp. p. 1598; Dr. p. 339; Gaz. vol. 135; p. 291.
- Long, P. H., Newark, N. J. Making bracelets. No. 886,616; May 5; Sp. p. 538; Dr. p. 115; Gaz. vol. 134; p. 96.
- Long, S. T., Webb City, Mo. Mail-crane. No. 888,717; May 26; Sp. p. 4800; Dr. pp. 1022-3; Gaz. vol. 134; p. 871.
- Long, S. T., Webb City, Mo. Mail catcher and deliverer. No. 888,718; May 26; Sp. p. 4802; Dr. p. 1023; Gaz. vol. 134; p. 872.
- Long, T. E., *et al.* (See Joyce, M., assignor.)
- Long, W. G., and J. A. Campbell, Wilmington, Del. Box-fastener. No. 902,241; Oct. 27; Sp. p. 4535; Dr. p. 919; Gaz. vol. 136; p. 1872.
- Long, W. O., Mansfield, Ohio. Dumping-wagon. No. 896,404; Aug. 18; Sp. p. 3233; Dr. p. 693; Gaz. vol. 135; p. 1471.
- Long, W. W., Coulee City, assignor of three-fifths to N. E. Nuzum, Spokane, Wash. Neck-yoke fastening. No. 883,656; Mar. 31; Sp. p. 6345; Dr. p. 1352; Gaz. vol. 133; p. 1157.
- Longenecker, S., Anderson, Ind. Wrench. No. 891,088; June 16; Sp. p. 3844; Dr. p. 840; Gaz. vol. 134; p. 1734.
- Longenecker, C., Beaver, Pa. Valve for furnaces. No. 873,213; Feb. 4; Sp. p. 659; Dr. p. 135; Gaz. vol. 132; p. 953.
- Longenecker, C. I., Milwaukee, Wis. Internal-combustion engine. No. 878,647; Feb. 11; Sp. p. 1625; Dr. pp. 331-2; Gaz. vol. 132; p. 1132.
- Longenecker, C. I., Milwaukee, Wis., assignor to International Harvester Company. Speed-controlling device. No. 883,727; Apr. 7; Sp. p. 95; Dr. pp. 15-16; Gaz. vol. 133; p. 1208.
- Longenecker, C. I., Milwaukee, Wis., assignor to International Harvester Company. Internal-combustion engine. No. 908,112; Dec. 23; Sp. p. 5940; Gaz. vol. 137; p. 2079.
- Longfellow, H. W., Jr., Allston, Mass. Magazine-graphophone. No. 907,826; Dec. 29; Sp. p. 5352; Gaz. vol. 137; p. 1986.
- Longhurst, H. A. (See Holbourns and Longhurst.)
- Longnaker, M. S., Pleasant Hill, Ohio. Excavating-machine. No. 877,578; Jan. 28; Sp. p. 3885; Dr. pp. 842-3; Gaz. vol. 132; p. 719.
- Longnecker, M. B., Allentown, Pa. Skirt-marker. No. 905,723; Dec. 1; Sp. p. 1203; Gaz. vol. 137; p. 1179.
- Longstreet, J. C., Jackson, Miss. Pea and bean harvester. No. 875,831; Jan. 7; Sp. p. 287; Dr. pp. 62-3; Gaz. vol. 132; p. 53.
- Longtoft, W. W. L., Loogootee, Ind. Envelop. No. 884,174; Apr. 7; Sp. p. 1064; Dr. p. 221; Gaz. vol. 133; p. 1356.
- Longuemare, A. A., Paris, France. Carburetor for explosive-engines. No. 875,716; Jan. 7; Sp. p. 76; Dr. p. 16; Gaz. vol. 132; p. 16.
- Longuemare, A. A., Paris, France. Cushioning device for automatic dilution-valves in carbureters. No. 873,077; Feb. 4; Sp. p. 374; Dr. p. 77; Gaz. vol. 132; p. 909.
- Longuemare, A. A., Paris, France. Air-inlet regulator for carbureters. No. 896,559; Aug. 18; Sp. p. 3546; Dr. p. 762; Gaz. vol. 135; p. 1522.
- Longwell, C. A., Pittsburg, Pa. Parlor bowling-alley. No. 899,115; Sept. 22; Sp. p. 3691; Dr. p. 791; Gaz. vol. 136; p. 697.
- Loockerman, F. S., Upper Fairmount, Md. Sheet-metal spoke-socket. No. 896,735; Aug. 25; Sp. p. 3884; Dr. p. 839; Gaz. vol. 135; p. 1000.
- Loomis, E. B., and G. O., Memphis, Tenn. Ventilator. No. 900,560; Oct. 6; Sp. p. 1056; Dr. p. 217; Gaz. vol. 136; p. 1234.
- Loomis, E. G., Norristown, Pa. Machine for removing the gutta-percha covers from rubber-cored golf-balls. No. 895,650; Aug. 11; Sp. p. 1740; Dr. pp. 368-9; Gaz. vol. 135; p. 1207.
- Loomis, F. C., *et al.* (See Butts, W. R., assignor.)
- Loomis, F. J., Yonkers, N. Y. Apparatus for shaping heated metal. No. 900,401; Oct. 6; Sp. p. 693; Dr. p. 142; Gaz. vol. 136; p. 1181.
- Loomis, G. O. (See Loomis, E. B. and G. O.)
- Loomis, G. P., Schenectady, N. Y. Match-making machine. No. 900,029; Sept. 29; Sp. p. 5573; Dr. pp. 1190-2; Gaz. vol. 136; p. 1029.
- Loomis, H. E. W., Dumont, Iowa. Apparatus for sharpening lawn-mowers. No. 884,672; Apr. 14; Sp. p. 2069; Dr. p. 442; Gaz. vol. 133; p. 1547.
- Loomis, H. T., assignor to M. Frank and J. J. Lambert, New York, N. Y. Burial-robe. No. 901,457; Oct. 20; Sp. p. 2920; Dr. p. 595; Gaz. vol. 136; p. 1590.
- Loomis, M. W. (See Kemp, Loomis, and Fitzwater.)
- Loomis, W. J., Grand Rapids, Mich. Instantaneous water-heater. No. 893,084; July 14; Sp. p. 1405; Dr. p. 297; Gaz. vol. 135; p. 260.
- Looney, R. T., Hancock, Mich. Dumping push-car. No. 891,942; June 30; Sp. p. 5620; Dr. pp. 1211-12; Gaz. vol. 134; p. 2080.
- Loos, G. J., assignor to J. H. B. Boyle, New York, N. Y. Trunk-fastener. No. 878,406; Feb. 4; Sp. p. 1035; Dr. p. 209; Gaz. vol. 132; p. 1018.
- Loos, O., *et al.* (See Oramas, P., assignor.)
- Loose Card Book Company. (See Ferrero, C. P., assignor.)
- Loose-Wiles Cracker & Candy Company. (See Causey, J. L., assignor.)
- Looyer, H., Chicago, Ill. Ellipsograph. No. 880,228; Feb. 25; Sp. p. 4836; Dr. p. 1023; Gaz. vol. 132; p. 1720.
- Lopez, C., *et al.* (See Schultz and Gehre, assignors.)
- Lopp, J. L., *et al.* (See Stafford, Whitaker, and Lopp.)
- Loppentien, J. D., Orange, Cal. Violin. No. 882,702; Mar. 24; Sp. p. 4386; Dr. p. 933; Gaz. vol. 133; p. 819.
- Lorain Steel Company. (See Brown, W. M., assignor.)
- Lorain Steel Company. (See Goughnour, H. S., assignor.)
- Lorain Steel Company. (See McFeaters, G. H., assignor.)
- Lorain Steel Company. (See Murray, A. R., assignor.)
- Lorain Steel Company. (See Stiff, H. C., assignor.)
- Lord, A. P., and N. Wilkins, Bradford, Pa. Overhead trolley. No. 884,397; Apr. 14; Sp. p. 1476; Dr. p. 316; Gaz. vol. 133; p. 1457.
- Lord & Burnham Company. (See Elder, A., assignor.)
- Lord, C. E., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 876,568; Jan. 14; Sp. p. 1801; Dr. p. 393; Gaz. vol. 132; p. 325.
- Lord, C. E., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. Turbo-alternator. No. 879,564; Feb. 18; Sp. p. 3434; Dr. p. 719; Gaz. vol. 132; p. 1468.
- Lord, C. E., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. Rotor construction. No. 902,588; Nov. 3; Sp. p. 121; Gaz. vol. 137; p. 20.
- Lord, C. E., Cincinnati, Ohio, assignor to General Electric Company. Projector. No. 881,597; Mar. 10; Sp. p. 2192; Dr. p. 478; Gaz. vol. 133; p. 399.
- Lord, C. E., and W. H. Powell, Norwood, Ohio, assignors to Bullock Electric Manufacturing Company. Clamping means for core-plates of dynamo-electric machines. No. 891,273; June 23; Sp. p. 4223; Dr. p. 924; Gaz. vol. 134; p. 1825.
- Lord, E. E., Springvale, Me. Rotary engine. No. 876,818; Jan. 14; Sp. p. 2294; Dr. p. 504; Gaz. vol. 132; p. 406.

Alphabetical list of patentees—Continued.

- Lord, G. J., New Orleans, assignor to J. E. Thorsell and J. R. Hunter, Alexandria, La., and R. Wiggins, New York, N. Y. Automatically-moving sign. No. 880,315; Feb. 25; Sp. p. 5000; Dr. p. 1055; Gaz. vol. 132; p. 1748.
- Lord, G. W., Excelsior Springs, Mo. Hat, coat, and umbrella lock. No. 907,258; Dec. 22; Sp. p. 4173; Gaz. vol. 137; p. 1768.
- Lord, L. P., Owatonna, Minn. Box for transporting potted plants. No. 880,549; Mar. 3; Sp. p. 112; Dr. pp. 25-6; Gaz. vol. 133; p. 23.
- Lord, M. V., administratrix. (See Lord, P.)
- Lord, P., deceased, Worcester, Mass.; M. V. Lord, administratrix. Respiration apparatus. No. 899,225; Sept. 22; Sp. p. 3914; Dr. p. 836; Gaz. vol. 136; p. 732.
- Lorenson, C., Wausa, Nebr. Mower. No. 886,226; Apr. 28; Sp. p. 5239; Dr. pp. 1103-4; Gaz. vol. 133; p. 2113.
- Lorentz, H. E., Baltimore, Md. Garment-supporter clasp. No. 897,911; Sept. 8; Sp. p. 1382; Dr. p. 295; Gaz. vol. 136; p. 250.
- Lorentzen, P., Apenrade, Germany. Machine for producing moldings. No. 884,175; Apr. 7; Sp. p. 1065; Dr. p. 222; Gaz. vol. 133; p. 1357.
- Lorenz, C. C., Denver, Colo. Concrete-mixer. No. 895,651; Aug. 11; Sp. p. 1744; Dr. p. 369; Gaz. vol. 135; p. 1207.
- Lorenz, J., St. Louis, Mo. Ventilator. No. 878,214; Feb. 4; Sp. p. 661; Dr. p. 136; Gaz. vol. 132; p. 953.
- Lorenz, J., assignor of one-half to J. H. Robeson, Matteawan, N. Y. Means for attaching swingletrees to doubletrees. No. 881,423; Mar. 10; Sp. p. 1855; Dr. p. 403; Gaz. vol. 133; p. 340.
- Lorenz, W. A., *et al.* (See Merritt, J., assignor.)
- Lorenz, W. A., Hartford, Conn., assignor to Union Paper Bag Machine Company, Philadelphia, Pa. Paper-bag machine. No. 877,205; Jan. 21; Sp. p. 3142; Dr. p. 681; Gaz. vol. 132; p. 578.
- Lorenz, W. A., assignor of one-half to J. Merritt, Hartford, Conn. Apparatus for molding pulp articles. No. 877,579; Jan. 28; Sp. p. 3887; Dr. pp. 843-4; Gaz. vol. 132; p. 720.
- Lorenz, W. A., Hartford, Conn., assignor of one-half to Beech-Nut Packing Company, Canajoharie, N. Y., and one-fourth to W. H. Honiss, Hartford, Conn. Hermetic closure for receptacles. No. 889,531; June 2; Sp. p. 686; Dr. p. 157; Gaz. vol. 134; p. 1166.
- Lorenz, W. A., and W. H. Honiss, Hartford, Conn., assignors of one-half to Beech-Nut Packing Company, Canajoharie, N. Y. Hermetic sealing apparatus. No. 905,894; Dec. 8; Sp. p. 1540; Gaz. vol. 137; p. 1267.
- Lorenzen, J., assignor to H. Clauss, Fremont, Ohio. Stropping-machine. No. 894,841; Aug. 4; Sp. p. 80; Dr. p. 17; Gaz. vol. 135; p. 914.
- Lorey, W., Philadelphia, Pa. Filter. No. 877,206; Jan. 21; Sp. p. 3145; Dr. p. 682; Gaz. vol. 132; p. 578.
- Lörincz Feszekgyár (Topp) Betéti Társaság, Firm of. (See Lörincz, K., assignor.)
- Lörincz, K., assignor to Firm of Lörincz Feszekgyár (Topp) Betéti Társaság, Budapest, Austria-Hungary. Producing paints and other coatings. No. 894,159; July 21; Sp. p. 3703; Gaz. vol. 135; p. 643.
- Loring, B. C., Edgewood, assignor to J. Tillinghast, trustee, Providence, R. I. Sanding device. No. 879,658; Feb. 18; Sp. p. 3641; Dr. p. 761; Gaz. vol. 132; p. 1498.
- Loring, F. H., London, England. Brush and brush-holder for dynamo-electric machines. No. 883,550; Mar. 31; Sp. p. 6142; Dr. p. 1306; Gaz. vol. 133; p. 1125.
- Loring, F. H., London, England. Commutator for dynamo-electric machines. No. 902,424; Oct. 27; Sp. p. 4945; Dr. p. 998; Gaz. vol. 136; p. 1934.
- Loring, H. L., Chicago, Ill. Fountain-brush. No. 886,996; May 5; Sp. p. 1301; Dr. p. 274; Gaz. vol. 134; p. 217.
- Lorraine Manufacturing Company. (See Ballou, E. H., assignor.)
- Lory, P. C., *et al.* (See Lightford, W. L., assignor.)
- Los Angeles Switch and Signal Company. (See Bell, W. J., assignor.)
- Losch, H. O., McKees Rocks, Pa. Protractor. No. 901,113; Oct. 13; Sp. p. 2187; Dr. p. 444; Gaz. vol. 136; p. 1439.
- Losch, J. S., and G. H. Gerber, Reading, Pa. Explosive-engine. No. 881,189; Mar. 10; Sp. p. 1384; Dr. pp. 298-300; Gaz. vol. 133; p. 265.
- Loshbough, A. W., assignor, by mesne assignments, to Sturgis Steel Go-Cart Company, Sturgis, Mich. Child's carriage. No. 882,900; Mar. 24; Sp. p. 4798; Dr. p. 1020; Gaz. vol. 133; p. 882.
- Loshbough, J. E., Elkhart, Ind., assignor, by mesne assignments, to Sturgis Steel Go-Cart Company, Sturgis, Mich. Baby-carriage. No. 882,901; Mar. 24; Sp. p. 4800; Dr. p. 1021; Gaz. vol. 133; p. 883.
- Loshbough, J. E., Elkhart, Ind., assignor, by mesne assignments, to Sturgis Steel Go-Cart Company, Sturgis, Mich. Folding baby-carriage. No. 882,902; Mar. 24; Sp. p. 4804; Dr. p. 1021; Gaz. vol. 133; p. 884.
- Loss, H. V., Philadelphia, assignor to C. T. Schoen, Moylan, Pa. Machine for shearing metal. No. 891,626; June 23; Sp. p. 4958; Dr. pp. 1067-9; Gaz. vol. 134; p. 1941.
- Lossius, D., Chicago, Ill. Tobacco-pipe cleaner. No. 899,418; Sept. 22; Sp. p. 4277; Dr. p. 918; Gaz. vol. 136; p. 793.
- Lostalot, H. de. (See Peugeot, Huber, and Lostalot.)
- Lothrop, C. H., *et al.* (See Worthen, A. J., assignor.)
- Lott, H. M., Havana, Fla. Tobacco-hanger. No. 882,474; Mar. 17; Sp. p. 3931; Dr. p. 840; Gaz. vol. 133; p. 710.
- Lott, Y. D. (See Smith and Lott.)
- Lotter, F., Elkton, Mich. Beet topping and harvesting machine. No. 884,673; Apr. 14; Sp. p. 2071; Dr. p. 442; Gaz. vol. 133; p. 1548.
- Lotz, A., San Francisco, Cal., assignor to American Can Company, New York, N. Y. Can-heading machine. No. 907,259; Dec. 22; Sp. p. 4175; Gaz. vol. 137; p. 1768.
- Lotz, A., San Francisco, assignor to Sanitary Devices Manufacturing Company. Valve. No. 908,413; Dec. 29; Sp. p. 6595; Gaz. vol. 137; p. 2184.
- Louden Machinery Company. (See Long and Dietz, assignors.)
- Louden Machinery Company. (See Neller, A. H., assignor.)
- Louden Machinery Company. (See Neller and Loudon, assignors.)
- Louden, R. B. and W. Fairfield, Iowa. Overhead switch. No. 891,493; June 23; Sp. p. 4678; Dr. p. 1014; Gaz. vol. 134; p. 1898.
- Louden, W. (See Loudon, R. B. and W.)
- Louden, W. (See Neller and Loudon.)
- Louden, W., Fairfield, Iowa. Fixture for wagon racks and boxes. No. 887,258; May 12; Sp. p. 1834; Dr. p. 387; Gaz. vol. 134; p. 328.
- Louden, W., Fairfield, Iowa. Door-hanger track. No. 890,243; June 9; Sp. p. 2108; Dr. p. 462; Gaz. vol. 134; p. 1426.
- Louden, W., Fairfield, Iowa. Elevator and carrier. No. 897,381; Sept. 1; Sp. p. 288; Dr. p. 59; Gaz. vol. 136; p. 44.
- Louden, W., Fairfield, Iowa. Feed-carrier. No. 898,489; Sept. 15; Sp. p. 2520; Dr. p. 539; Gaz. vol. 136; p. 466.
- Louden, W., Fairfield, Iowa. Transfer for overhead tracks. No. 901,717; Oct. 20; Sp. p. 3486; Dr. pp. 705-6; Gaz. vol. 136; p. 1676.
- Loudon, L. T., assignor of two-thirds to T. West and C. I. De Lutter, Williamson, N. Y. Mounting for eyeglasses. No. 881,476; Mar. 10; Sp. p. 1968; Dr. p. 428; Gaz. vol. 133; p. 357.
- Loudon, W., Seattle, Wash. Boiler-alarm. No. 905,443; Dec. 1; Sp. p. 672; Gaz. vol. 137; p. 1091.
- Loudon, W. A., Chicago, Ill., assignor to General Electric Company. Turbine. No. 883,966; Apr. 7; Sp. p. 604; Dr. p. 120; Gaz. vol. 133; p. 1288.
- Loudon, W. A., Chicago, Ill., assignor to General Electric Company. Trolley-stand. No. 885,063; Apr. 21; Sp. p. 2852; Dr. p. 606; Gaz. vol. 133; p. 1706.
- Lougee, A. M. (See Zickerman, W. A., assignor.)
- Lough, H. H. (See Moore, M. D., assignor.)
- Loughborough, L. R., Rochester, N. Y. Shoe-polishing kit. No. 889,532; June 2; Sp. p. 688; Dr. p. 158; Gaz. vol. 134; p. 1167.
- Loughborough, L. R., Rochester, N. Y. Drafting instrument. No. 893,085; July 14; Sp. p. 1407; Dr. p. 297; Gaz. vol. 135; p. 261.
- Loughin, W. T., Ballard, Wash. Non-refillable bottle. No. 876,205; Jan. 7; Sp. p. 1005; Dr. p. 218; Gaz. vol. 132; p. 171.
- Loughner, R. C., Johnstown, Pa. Window-shade bracket. No. 899,116; Sept. 22; Sp. p. 3692; Dr. p. 791; Gaz. vol. 136; p. 697.
- Loughry, J. C., Brooklyn, N. Y. Time-indicator. No. 902,667; Nov. 3; Sp. p. 264; Gaz. vol. 137; p. 45.
- Louis, A., Paris, France. Carburetor for explosion-engines. No. 894,389; July 28; Sp. p. 4214; Dr. p. 869; Gaz. vol. 135; p. 740.
- Louis, C. W., Springfield, Mass., assignor to E. R. Buck, Windsor, Vt. Automatic magazine-firearm. No. 900,865; Oct. 13; Sp. p. 1685; Dr. pp. 341-2; Gaz. vol. 136; p. 1360.
- Louisville Filler Company. (See Williams and Falls, assignors.)
- Loutzky, B., Berlin, Germany. Water-cooled valve for internal-combustion motors. No. 883,967; Apr. 7; Sp. p. 607; Dr. p. 120; Gaz. vol. 133; p. 1288.
- Louy, P. F., assignor of one-half to T. Kleinogel, Seattle, Wash. Wire-stretcher. No. 887,671; May 12; Sp. p. 2712; Dr. p. 573; Gaz. vol. 134; p. 467.
- Love, J. F., Zanesville, Ohio. Valve. No. 902,096; Oct. 27; Sp. p. 4234; Dr. p. 858; Gaz. vol. 136; p. 1827.
- Love, P. G., Denver, Colo. Horseshoe. No. 878,886; Feb. 11; Sp. p. 2072; Dr. p. 431; Gaz. vol. 132; p. 1208.
- Love, R., assignor to Kemp & Burpee Manufacturing Company, Syracuse, N. Y. Fertilizer-distributor. No. 895,479; Aug. 11; Sp. p. 1418; Dr. p. 297; Gaz. vol. 135; p. 1152.
- Love, W., London, England. Frictional brake. No. 886,997; May 5; Sp. p. 1303; Dr. p. 274; Gaz. vol. 134; p. 217.
- Love, W., London, England. Cylinder for printing and other purposes. No. 886,998; May 5; Sp. p. 1308; Dr. pp. 275-6; Gaz. vol. 134; p. 217.
- Lovejoy, A. W., Oklahoma, Okla., assignor to A. B. Fontaine. Folding combination poultry and merchandise crate. No. 892,168; June 30; Sp. p. 6052; Dr. p. 1301; Gaz. vol. 134; p. 2152.
- Lovejoy Company. (See Ferguson, J. H., assignor.)

Alphabetical list of patentees—Continued.

- Lovejoy, D. R., Niagara Falls, assignor, by mesne assignments, to W. E. F. Bradley, trustee, New York, N. Y. Effecting chemical action in gases. No. 904,070; Nov. 17; Sp. p. 3114; Gaz. vol. 137; p. 566.
- Lovejoy, D. R., Niagara Falls, assignor, by mesne assignments, to W. E. F. Bradley, trustee, New York, N. Y. Apparatus for chemically combining gases. No. 904,071; Nov. 17; Sp. p. 3115; Gaz. vol. 137; p. 566.
- Lovejoy, D. R., Niagara Falls, assignor, by mesne assignments, to W. E. F. Bradley, trustee, New York, N. Y. Chemically combining gases. No. 904,072; Nov. 17; Sp. p. 3117; Gaz. vol. 137; p. 566.
- Lovejoy, D. R., Niagara Falls, assignor, by mesne assignments, to W. E. F. Bradley, trustee, New York, N. Y. Apparatus for effecting chemical action in gases. No. 904,073; Nov. 17; Sp. p. 3118; Gaz. vol. 137; p. 567.
- Lovejoy, F. W., assignor to Eastman Kodak Company, Rochester, N. Y. Flexible photographic cartridge-film. No. 883,819; Apr. 7; Sp. p. 288; Dr. p. 53; Gaz. vol. 133; p. 1239.
- Lovejoy, R. M., Meredith, N. H. Vehicle shock-absorbing apparatus. No. 886,617; May 5; Sp. p. 539; Dr. p. 115; Gaz. vol. 134; p. 96.
- Lovekin, L. D., Philadelphia, Pa. Assistant cylinder for steam-engines. No. 884,510; Apr. 14; Sp. p. 1702; Dr. p. 366; Gaz. vol. 133; p. 1493.
- Lovekin, L. D., Philadelphia, Pa. Water-heater. No. 904,627; Nov. 24; Sp. p. 4299; Gaz. vol. 137; p. 782.
- Lovekin, L. D., Overbrook, Pa. Separable fastener or clasp. No. 908,288; Dec. 29; Sp. p. 6315; Gaz. vol. 137; p. 2139.
- Lovelace, C. D., San Angelo, Tex. Trap-gun. No. 882,786; Mar. 24; Sp. p. 4549; Dr. pp. 971-2; Gaz. vol. 133; p. 845.
- Loveless, A. A., Dacula, Ga. Level. No. 884,176; Apr. 7; Sp. p. 1066; Dr. p. 222; Gaz. vol. 133; p. 1357.
- Loveless, E. L., Corning, N. Y. Vaporizer for medicaments. No. 878,296; Feb. 4; Sp. p. 832; Dr. p. 165; Gaz. vol. 132; p. 982.
- Loveless, T., Upwey, and W. J. Samways, Weymouth, England. Obstacle-removing device for vehicles. No. 901,114; Oct. 13; Sp. p. 2188; Dr. p. 445; Gaz. vol. 136; p. 1440.
- Lovejoy, J. N., Detroit, Mich. Reinforcing-bar. No. 889,249; June 2; Sp. p. 109; Dr. p. 26; Gaz. vol. 134; p. 1076.
- Lovell, A. K., New York, N. Y. Window or shutter operating device. No. 881,477; Mar. 10; Sp. p. 1969; Dr. pp. 428-9; Gaz. vol. 133; p. 358.
- Lovell, C. N., *et al.* (See Mack, F. W., assignor.)
- Lovell, F. W., assignor, by mesne assignments, to McMyler Manufacturing Company, Cleveland, Ohio. Clam-shell bucket. No. 894,219; July 28; Sp. p. 3851; Dr. pp. 797-8; Gaz. vol. 135; p. 684.
- Lovell, R. M., Baltimore, and A. G. Fahrney, Highlandtown, Md. Solder-wiping machine. No. 876,650; Jan. 14; Sp. p. 1997; Dr. p. 435; Gaz. vol. 132; p. 354.
- Lovely, C., assignor to V. D. Papineau, Webster, Mass. Wall-plug. No. 889,700; June 2; Sp. p. 1008; Dr. p. 232; Gaz. vol. 134; p. 1220.
- Loveridge, F. H., assignor to Western Electric Company, Chicago, Ill. Magnet-winding machine. No. 890,244; June 9; Sp. p. 2110; Dr. pp. 462-4; Gaz. vol. 134; p. 1426.
- Lovering, A. F., Framingham, Mass. Automatic boiler-feeder. No. 887,406; May 12; Sp. p. 2205; Dr. p. 461; Gaz. vol. 134; p. 381.
- Lovering, E. E., Dracut, and J. A. Pelletier, Lowell, Mass. Automatic stop mechanism for looms. No. 878,813; Feb. 11; Sp. p. 1939; Dr. p. 401; Gaz. vol. 132; p. 1185.
- Lovering, T. D. (See Hansen, H. T., assignor.)
- Loverud, E. K., *et al.* (See Mandt, M. G., assignor.)
- Lovett, C. E., and M. E. Coe, Birmingham, Ala. Treadle. No. 887,672; May 12; Sp. p. 2714; Dr. p. 574; Gaz. vol. 134; p. 468.
- Lovett, J. S. H., Trenton, assignor of two-thirds to T. P. Payne, Newark, N. J., and W. W. Near, Toronto, Canada. Hose-making machine. No. 889,939; June 9; Sp. p. 1472; Dr. pp. 333-4; Gaz. vol. 134; p. 1323.
- Lovett, J. S. H., Trenton, assignor of two-thirds to T. P. Payne, Newark, N. J., and W. W. Near, Toronto, Canada. Feeding mechanism for hose-making machines. No. 889,940; June 9; Sp. p. 1475; Dr. p. 334; Gaz. vol. 134; p. 1323.
- Lovett, J. S. H., Trenton, assignor of two-thirds to T. P. Payne, Newark, N. J., and W. W. Near, Toronto, Canada. Hose-making machine. No. 902,308; Oct. 27; Sp. p. 4688; Dr. pp. 949-50; Gaz. vol. 136; p. 1896.
- Lovett, T. J., Sacramento, Cal., assignor to Black Sand & Gold Recovery Company, Chicago, Ill. Pipe-dredge. No. 908,113; Dec. 29; Sp. p. 5942; Gaz. vol. 137; p. 2079.
- Loving, R., Densmore, Kans. Dividing-board. No. 903,742; Nov. 10; Sp. p. 2406; Gaz. vol. 137; p. 423.
- Lovis, W., London, England. Propelling device for ships. No. 887,486; May 12; Sp. p. 2373; Dr. p. 498; Gaz. vol. 134; p. 407.
- Low, A. A. (See Haskins, G. W., assignor.)
- Low, A. A. (See Hertzberg and Low.)
- Low, A. A. (See Hertzberg and Wohl, assignors.)
- Low, A. A. (See Reichenbach, Low, and Wassmann.)
- Low, A. A., Horseshoe, N. Y. Cutting implement. No. 875,717; Jan. 7; Sp. p. 77; Dr. p. 16; Gaz. vol. 132; p. 17.
- Low, A. A., Horseshoe, N. Y. Cutting implement. No. 875,939; Jan. 7; Sp. p. 482; Dr. p. 104; Gaz. vol. 132; p. 87.
- Low, A. A., Horseshoe, N. Y. Ventilator for motor-boats. No. 877,655; Jan. 28; Sp. p. 4037; Dr. p. 872; Gaz. vol. 132; p. 745.
- Low, A. A., Horseshoe, N. Y. Cutting implement. No. 878,545; Feb. 11; Sp. p. 1388; Dr. p. 285; Gaz. vol. 132; p. 1097.
- Low, A. A., Horseshoe, N. Y. Cutting implement. No. 878,648; Feb. 11; Sp. p. 1628; Dr. p. 332; Gaz. vol. 132; p. 1132.
- Low, A. A., Horseshoe, N. Y. Hydrocarbon-motor. No. 879,659; Feb. 18; Sp. p. 3643; Dr. p. 762; Gaz. vol. 132; p. 1499.
- Low, A. A., Horseshoe, N. Y. Hydrocarbon-motor. No. 883,412; Mar. 31; Sp. p. 5855; Dr. p. 1247; Gaz. vol. 133; p. 1081.
- Low, A. A., Horseshoe, N. Y. Andiron. No. 890,669; June 16; Sp. p. 2989; Dr. p. 656; Gaz. vol. 134; p. 1596.
- Low, A. A., Horseshoe, N. Y. Hydrocarbon-motor. No. 904,544; Nov. 24; Sp. p. 4136; Gaz. vol. 137; p. 754.
- Low, A. A., Horseshoe, N. Y. Holder for cards, tickets, papers, &c. No. 908,114; Dec. 29; Sp. p. 5946; Gaz. vol. 137; p. 2080.
- Low, A. A., Horseshoe, and H. Hertzberg, New York, N. Y., said Hertzberg assignor to said Low. Element for electric heaters. No. 885,769; Apr. 28; Sp. p. 4323; Dr. p. 906; Gaz. vol. 133; p. 1962.
- Low, C. J., Chelan, Wash. Power-generator. No. 903,592; Nov. 10; Sp. p. 2130; Gaz. vol. 137; p. 378.
- Low, E. M., New York, N. Y. Mechanical device for displaying advertisements. No. 890,147; June 9; Sp. p. 1906; Dr. pp. 421-2; Gaz. vol. 134; p. 1394.
- Low, H. A., and L. P. Carter, Lake City, Iowa. Adjustable automatic tile-machine. No. 893,530; July 14; Sp. p. 2315; Dr. p. 485; Gaz. vol. 135; p. 406.
- Low, J. B. (See Bradburn, Tyler, and Low.)
- Low, J. B., F. C. Bradburn, and J. C. Tyler, Rochester, N. Y. Photographic apparatus. No. 899,792; Sept. 29; Sp. p. 5076; Dr. p. 1086; Gaz. vol. 136; p. 953.
- Low, J. W., assignor to Carrier-Low Company, Joliet, Ill. Paper-board container. No. 886,710; May 5; Sp. p. 762; Dr. pp. 155-6; Gaz. vol. 134; p. 128.
- Lowe, F., Cambridge, assignor of one-half to M. H. Barry, Danvers, Mass. Music-sheet turner. No. 885,852; Apr. 28; Sp. p. 4496; Dr. pp. 944-5; Gaz. vol. 133; p. 1991.
- Lowe, F. W. (See Sullivan, C. F., assignor.)
- Lowe, F. W., Boston, Mass. Hair-waver. No. 876,569; Jan. 14; Sp. p. 1806; Dr. p. 394; Gaz. vol. 132; p. 325.
- Lowe, L. P., San Francisco, Cal. Making gas. No. 882,764; Mar. 24; Sp. p. 4515; Dr. p. 963; Gaz. vol. 133; p. 839.
- Lowe, L. P., San Francisco, Cal. Making gas and coke. No. 883,466; Mar. 31; Sp. p. 5967; Dr. p. 1273; Gaz. vol. 133; p. 1100.
- Lowe, T. W., Winnipeg, Manitoba, Canada. Valve. No. 889,941; June 9; Sp. p. 1477; Dr. p. 335; Gaz. vol. 134; p. 1324.
- Lowell, R. W., Searsport, Me. Steering-wheel. No. 881,324; Mar. 10; Sp. p. 1661; Dr. p. 356; Gaz. vol. 133; p. 310.
- Lowendahl, J., Chicago, Ill. Clothes-drier. No. 903,593; Nov. 10; Sp. p. 2131; Gaz. vol. 137; p. 378.
- Lowenstein, H., Bellevue, Ky. Non-refillable bottle. No. 908,289; Dec. 29; Sp. p. 6318; Gaz. vol. 137; p. 2139.
- Lowenstein & Heller. (See Belle, B., assignor.)
- Lowenstein, L., Vienna, Austria-Hungary. Fractional condensation of vapors. No. 898,980; Sept. 15; Sp. p. 3434; Dr. p. 737; Gaz. vol. 136; p. 625.
- Lowery, D. D., Harrisburg, Pa. Puzzle. No. 886,999; May 5; Sp. p. 1313; Dr. p. 216; Gaz. vol. 134; p. 218.
- Lowery, H., Pomeroy, Ohio. Whip-fastener. No. 907,514; Dec. 22; Sp. p. 4669; Gaz. vol. 137; p. 1853.
- Lowman, J., London, England. Machine for the manufacture of stoppers for stoppering bottles, &c. No. 892,169; June 30; Sp. p. 6054; Dr. pp. 1302-3; Gaz. vol. 134; p. 2153.
- Lown, M. (See Tarrant, W. A. and T. H., assignors.)
- Lowres, G. J., Newark, N. J., assignor to Lowres Optical Co. Eyeglasses. No. 890,779; June 16; Sp. p. 3236; Dr. p. 708; Gaz. vol. 134; p. 1633.
- Lowres, G. J., Newark, N. J., assignor to Lowres Optical Co. Eyeglasses. No. 896,697; Aug. 18; Sp. p. 3806; Dr. p. 823; Gaz. vol. 135; p. 1565.
- Lowres, G. J., Newark, N. J., assignor to Lowres Optical Co. Eyeglasses. No. 904,074; Nov. 17; Sp. p. 3120; Gaz. vol. 137; p. 567.
- Lowres Optical Co. (See Lowres, G. J., assignor.)
- Lowrie, W. M., New York, N. Y. Collar and garment fastener. No. 898,239; Sept. 8; Sp. p. 2050; Dr. p. 435; Gaz. vol. 136; p. 354.
- Lowry, A. H., Sheridanville, Pa. Ventilator for fire-doors, &c. No. 900,402; Oct. 6; Sp. p. 693; Dr. p. 143; Gaz. vol. 136; p. 1182.
- Lowry, C. B., Lexington, Ky., and R. Bernhard, Chicago, Ill. Means for withdrawing and condensing vapors. No. 902,097; Oct. 27; Sp. p. 4236; Dr. p. 858; Gaz. vol. 136; p. 1827.
- Lowry, J. H., Lenoir City, Tenn. Post-hole digger. No. 884,177; Apr. 7; Sp. p. 1067; Dr. p. 222; Gaz. vol. 133; p. 1357.

Alphabetical list of patentees—Continued.

- Lowry, R. L., assignor of one-half to H. B. Driver, Louisville, Ky. Flexible coupling. No. 894,842; Aug. 4; Sp. p. 81; Dr. p. 17; Gaz. vol. 135; p. 914.
- Lowry, W. D., St. Louis, Mo. Car-bolster and draft-rigging. No. 884,596; Apr. 14; Sp. p. 1886; Dr. p. 404; Gaz. vol. 133; p. 1522.
- Lowry, W. D., St. Louis, Mo. Car-wheel. No. 891,494; June 23; Sp. p. 4681; Dr. p. 1014; Gaz. vol. 134; p. 1899.
- Lowry, W. D., St. Louis, Mo. Swing-motion car-truck. No. 897,912; Sept. 8; Sp. p. 1383; Dr. pp. 295-6; Gaz. vol. 136; p. 250.
- Lowry, W. D., St. Louis, Mo. Metallic railway-tie. No. 898,490; Sept. 15; Sp. p. 2523; Dr. pp. 539-40; Gaz. vol. 136; p. 467.
- Lowry, W. D., St. Louis, Mo. Draft-rigging. No. 902,242; Oct. 27; Sp. p. 4536; Dr. p. 919; Gaz. vol. 136; p. 1873.
- Lowry, W. T. (See Steward and Lowry.)
- Lows, H. C. (See Horn, B., assignor.)
- Lowther, B., assignor to Moechel & Lowther Engineering Co., Kansas City, Mo. Concrete sewer construction. No. 889,796; June 2; Sp. p. 1177; Dr. p. 272; Gaz. vol. 134; p. 1250.
- Loxley, S. E., Dayton, Ohio. Tobacco-harvester. No. 881,598; Mar. 10; Sp. p. 2195; Dr. pp. 478-9; Gaz. vol. 133; p. 399.
- Loy, D. B. (See Kleese, W. W., assignor.)
- Loy, D. O., Wataga, Ill. Building-block. No. 891,495; June 23; Sp. p. 4682; Dr. p. 1014; Gaz. vol. 134; p. 1899.
- Loy, E. N. (See Jackson and Loy.)
- Loy, W. C. (See Crim and Loy.)
- Loyola, F., Queretaro, Mexico. Finger-developing appliance. No. 897,471; Sept. 1; Sp. p. 473; Dr. p. 101; Gaz. vol. 136; p. 75.
- Lozier, H. J., Des Moines, Iowa. Rubber-securing device. No. 902,891; Nov. 3; Sp. p. 736; Gaz. vol. 137; p. 122.
- Lozo, W., Wilkes-Barre, Pa. Belt-stretcher. No. 889,250; June 2; Sp. p. 109; Dr. p. 26; Gaz. vol. 134; p. 1076.
- Luard, E. S., assignor of one-half to Consolidated Brake and Engineering Company, Limited, London, England. Brake mechanism for railway and like vehicles. No. 905,444; Dec. 1; Sp. p. 673; Gaz. vol. 137; p. 1091.
- Lubbers, E. R., Monticello, Ill. Detachable horseshoe. No. 879,781; Feb. 18; Sp. p. 3877; Dr. p. 812; Gaz. vol. 132; p. 1538.
- Lubbers, J. H., Allegheny, assignor to Window Glass Machine Company, Pittsburg, Pa. Apparatus for drawing hollow glass articles. No. 886,618; May 5; Sp. p. 545; Dr. p. 115; Gaz. vol. 134; p. 96.
- Lubin, L., Clichy, France. Mortising and grooving machine. No. 893,849; July 21; Sp. p. 3078; Dr. p. 629; Gaz. vol. 135; p. 542.
- Lubin, L. T. J., Boston, Mass. Instep-support or arch-prop. No. 892,066; June 30; Sp. p. 5854; Dr. p. 1260; Gaz. vol. 134; p. 2118.
- Lubin, S. (See Weiser, O. T., assignor.)
- Lubke, E. F., and E. C. Reed, near Arlington, Tex. Pipe-wrench. No. 876,651; Jan. 14; Sp. p. 2002; Dr. p. 436; Gaz. vol. 132; p. 355.
- Lucan, W. H., Hermon, Ill. Corn-planter and marker. No. 904,271; Nov. 17; Sp. p. 3552; Gaz. vol. 137; p. 636.
- Lucas, C. F., Mayhill, N. Mex. Ter. Frameforhens' nests. No. 884,399; Apr. 14; Sp. p. 1478; Dr. p. 316; Gaz. vol. 133; p. 1458.
- Lucas, C. F., Mayhill, N. Mex. Ter. Poultry-perch. No. 884,398; Apr. 14; Sp. p. 1477; Dr. p. 316; Gaz. vol. 133; p. 1458.
- Lucas, C. H., assignor of one-half to J. H. Stark, Waltham, Mass. Lathe-center. No. 907,067; Dec. 15; Sp. p. 3745; Gaz. vol. 137; p. 1667.
- Lucas, D. A., Havelock, Nebr. Wrench. No. 906,040; Dec. 8; Sp. p. 1822; Gaz. vol. 137; p. 1313.
- Lucas, F., Sidney, Ohio. Friction-clutch. No. 888,244; May 19; Sp. p. 3828; Dr. p. 803; Gaz. vol. 134; p. 685.
- Lucas, F., Sidney, Ohio. Ground-anchor. No. 888,917; May 26; Sp. p. 5245; Dr. p. 1112; Gaz. vol. 134; p. 939.
- Lucas, G. C., Cleveland, Ohio. Railway-frog. No. 902,589; Nov. 3; Sp. p. 123; Gaz. vol. 137; p. 20.
- Lucas, I., Passaic, N. J. Erasing instrument. No. 878,735; Feb. 11; Sp. p. 1786; Dr. p. 369; Gaz. vol. 132; p. 1160.
- Lucas, I., Passaic, N. J. Erasing instrument. No. 895,097; Aug. 4; Sp. p. 641; Dr. p. 133; Gaz. vol. 135; p. 1001.
- Lucas, J. E., Broadland, assignor of one-half to H. Beaman, Sidell, Ill. Rake-cleaner. No. 886,711; May 5; Sp. p. 765; Dr. p. 156; Gaz. vol. 134; p. 128.
- Lucas, M. D. (See Morse and Lucas.)
- Lucas, S. L., Mulberry, Fla. Lual-crane. No. 880,550; Mar. 3; Sp. p. 113; Dr. p. 26; Gaz. vol. 133; p. 23.
- Lucas, W. (See Wolfe and Lucas.)
- Lucas, W. H., assignor to Espen-Lucas Machine Works, Philadelphia, Pa. Metal-cutting saw. No. 885,770; Apr. 28; Sp. p. 4325; Dr. p. 907; Gaz. vol. 133; p. 1963.
- Luce, E. F., Chicago, Ill. Car-door hanger. No. 907,827; Dec. 29; Sp. p. 5533; Gaz. vol. 137; p. 1986.
- Luce, O. A., and J. C. N. Richards, Des Moines, Iowa. Carriage-shift and platen-rotator. No. 891,274; June 23; Sp. p. 4224; Dr. pp. 924-5; Gaz. vol. 134; p. 1826.
- Luce, W. D., Haverhill, Mass. Damper. No. 902,098; Oct. 27; Sp. p. 4238; Dr. pp. 858-9; Gaz. vol. 136; p. 1827.
- Luce, W. D., Haverhill, Mass. Damper-regulator. No. 906,642; Dec. 15; Sp. p. 2947; Gaz. vol. 137; p. 1532.
- Luchini, F., Powhatan, La. Plow. No. 905,895; Dec. 8; Sp. p. 1550; Gaz. vol. 137; p. 1267.
- Lucke, F. L., Minneapolis, Minn. Belt-shifter. No. 890,915; June 16; Sp. p. 3494; Dr. p. 766; Gaz. vol. 134; p. 1676.
- Lucke, L. J., Havre, Mont. Shoe. No. 892,601; July 7; Sp. p. 396; Dr. p. 88; Gaz. vol. 135; p. 73.
- Luckenbach, H., assignor to W. H. Kelly, San Francisco, Cal. Apparatus for disintegrating fuel-oil. No. 889,701; June 2; Sp. p. 1010; Dr. p. 233; Gaz. vol. 134; p. 1221.
- Luckenbach, L. C. (See Morgan, J. W., assignor.)
- Luckett, W. S., East Orange, N. J., and M. Fodge, assignors to International Cigar Machinery Company, New York, N. Y. Wrapper-smoothing mechanism for cigar-machines. No. 882,703; Mar. 24; Sp. p. 4387; Dr. p. 934; Gaz. vol. 133; p. 820.
- Luckey, J. J., assignor of one-third to R. Reed, Hood River, Oreg. Nut-lock. No. 890,566; June 9; Sp. p. 2747; Dr. p. 608; Gaz. vol. 134; p. 1530.
- Luckey, J. J., assignor of one-third to R. Reed, Hood River, Oreg. Cone-lock for ball-bearings. No. 890,567; June 9; Sp. p. 2748; Dr. p. 608; Gaz. vol. 134; p. 1530.
- Luckhurst, A. E. J., Jersey City, N. J. Registering device. No. 895,098; Aug. 4; Sp. p. 642; Dr. pp. 133-4; Gaz. vol. 135; p. 1001.
- Luedecke, K., assignor to "Vereingte Chemische Werke Actiengesellschaft," Charlottenburg, Germany. Bleaching fats, oils, resins, waxes, and the like. No. 901,718; Oct. 20; Sp. p. 3469; Gaz. vol. 136; p. 1676.
- Ludewig, H., Charlottenburg, Germany. Rotary or centrifugal pump operating with auxiliary turbines. No. 879,059; Feb. 11; Sp. p. 2386; Dr. p. 500; Gaz. vol. 132; p. 1262.
- Ludewig, W. H., Rock Island, Ill. Flushing-valve. No. 897,116; Aug. 25; Sp. p. 4725; Dr. p. 1007; Gaz. vol. 135; p. 1729.
- Ludewig, W. H., Rock Island, Ill. Flushing-tank valve mechanism. No. 897,117; Aug. 25; Sp. p. 4727; Dr. pp. 1007-8; Gaz. vol. 135; p. 1736.
- Ludington, A. C., Ishpeming, Mich. Attachment for drums. No. 889,702; June 2; Sp. p. 1011; Dr. p. 233; Gaz. vol. 134; p. 1221.
- Ludington, A. R., and H. K. Olmsted, Galesburg, Ill. Corn-sheller. No. 901,463; Oct. 20; Sp. p. 2929; Dr. p. 597; Gaz. vol. 136; p. 1591.
- Ludington, C. F., New Britain, Conn. Copy-holder. No. 882,903; Mar. 24; Sp. p. 4807; Dr. p. 1022; Gaz. vol. 133; p. 884.
- Ludington, D. M., *et al.* (See Bryan, J. P., assignor.)
- Ludington, I. M., *et al.* (See Putney, A. N., assignor.)
- Ludlow, W. S., *et al.* (See Kaiser, O. B., assignor.)
- Ludlow, W. S., Jr., *et al.* (See Kaiser, O. B., assignor.)
- Ludlum, W. E., Pompton, N. J. Making a longitudinally-apertured body. No. 894,023; July 21; Sp. p. 3446; Dr. p. 705; Gaz. vol. 135; p. 599.
- Ludt, J. P. (See Murdoch and Ludt.)
- Ludwig & Company. (See Perry, L. D., assignor.)
- Ludwig, J. C., Jr., San Francisco, Cal. Feeder for woodworking-machines. No. 889,025; May 26; Sp. p. 5437; Dr. p. 1156; Gaz. vol. 134; p. 971.
- Ludwig, J. H. (See Maier, L. H., assignor.)
- Ludwig Spitz & Co., G. m. b. H. (See Rein, R., assignor.)
- Luebbers, E. H., Jr., New York, N. Y. Garment-support. No. 881,424; Mar. 10; Sp. p. 1857; Dr. p. 404; Gaz. vol. 133; p. 340.
- Lueckenbach, A. T., Neenah, Wis. Cooking utensil. No. 892,751; July 7; Sp. p. 707; Dr. p. 150; Gaz. vol. 135; p. 122.
- Luedinghaus-Espenschied Wagon Co. (See Van Arsdale, J. H., assignor.)
- Luer, K. (See Loewenthal and Luer.)
- Luethi, A., Lakemills, Wis. Sad-iron. No. 897,913; Sept. 8; Sp. p. 1384; Dr. p. 296; Gaz. vol. 136; p. 250.
- Luger-Hefel, K., Dornbirn, Austria-Hungary. Cooking-range. No. 899,254; Sept. 22; Sp. p. 4005; Dr. pp. 854-5; Gaz. vol. 136; p. 743.
- Luhman, W. E., Port Chester, N. Y. Fire-extinguisher. No. 880,551; Mar. 3; Sp. p. 117; Dr. p. 28; Gaz. vol. 133; p. 24.
- Luhman, W. E., Port Chester, N. Y. Fire-extinguishing cabinet. No. 894,024; July 21; Sp. p. 3447; Dr. p. 705; Gaz. vol. 135; p. 600.
- Luhmann, H. W., San Francisco, Cal. Buckle. No. 885,064; Apr. 21; Sp. p. 2853; Dr. p. 607; Gaz. vol. 133; p. 1706.
- Lukacsevics, C., New York, N. Y. Blue-printing machine. No. 883,322; Mar. 31; Sp. p. 5645; Dr. pp. 1204-5; Gaz. vol. 133; p. 1051.
- Lukacsevics, C. de, New York, N. Y. Blue-printing device. No. 883,214; Mar. 31; Sp. p. 5624; Dr. pp. 1155-6; Gaz. vol. 133; p. 1017.
- Lukacsevics, C. de, New York, N. Y. Blue-printing machine. No. 901,303; Oct. 13; Sp. p. 2546; Dr. p. 824; Gaz. vol. 136; p. 1500.
- Lukasiewicz, C., Farwell, Nebr. Neck-yoke center. No. 901,542; Oct. 20; Sp. p. 3102; Dr. p. 633; Gaz. vol. 136; p. 1618.
- Luke, G. W., Jackson, Mich. Seat-iron. No. 883,215; Mar. 31; Sp. p. 5426; Dr. p. 1156; Gaz. vol. 133; p. 1017.
- Lukens, A. N., Elizabeth, N. J. Spring. No. 904,490; Nov. 17; Sp. p. 4023; Gaz. vol. 137; p. 709.
- Lukens, T. H., assignor of one-half to J. M. Grim, Rochester, Pa. Rotary engine. No. 884,984; Apr. 14; Sp. p. 2682; Dr. p. 570; Gaz. vol. 133; p. 1647.

Alphabetical list of patentees—Continued.

- Luker, W. H., assignor of three-fourths to J. R. Stauffer, Scottdale, Pa. Mail-bag catching and delivering mechanism. No. 883,033; Mar. 24; Sp. p. 5047; Dr. pp. 1075-6; Gaz. vol. 133; p. 926.
- Luli, P., Kent, Ohio. Furnace-door. No. 893,178; July 14; Sp. p. 1599; Dr. p. 339; Gaz. vol. 135; p. 291.
- Lulli, P. (See Jottrand and Lulli.)
- Lum, W. O., Schenectady, N. Y., assignor to General Electric Company. Self-starter. No. 884,511; Apr. 14; Sp. p. 1706; Dr. p. 367; Gaz. vol. 133; p. 1494.
- Luman, C. C., assignor of one-half to J. F. Cannon, Erick, Okla. Flue-stop. No. 879,660; Feb. 18; Sp. p. 3643; Dr. p. 762; Gaz. vol. 132; p. 1499.
- Lumb, J., Huddersfield, England. Combination guide and alarm for slubbing, reducing, and roving frames and like spinning and twisting machines. No. 878,300; Feb. 4; Sp. p. 837; Dr. p. 167; Gaz. vol. 132; p. 983.
- Lumbard, M. A. (See McCormick and Lumbard.)
- Lumbard, M. A. (See Morrison, W., assignor.)
- Lumbard, M. A., *et al.* (See Perry, D. P., assignor.)
- Lumiere, A. and L., Lyon, France. Sensitive plate for color photography. No. 877,351; Jan. 21; Sp. p. 3422; Dr. p. 742; Gaz. vol. 133; p. 624.
- Lumiere, L. (See Lumiere, A. and L.)
- Lummus, J. N. (See Wells, E. F., assignor.)
- Lumpkin, R. B., assignor to Air Blast Gin Company, Dallas, Tex. Cotton cleaning and feeding mechanism. No. 887,207; May 12; Sp. p. 1705; Dr. pp. 362-3; Gaz. vol. 134; p. 312.
- Lumpkin, R. B., assignor to Air Blast Gin Company, Dallas, Tex. Cotton-gin. No. 887,487; May 12; Sp. p. 2374; Dr. pp. 498-9; Gaz. vol. 134; p. 407.
- Lumpkin, R. B., assignor to Air Blast Gin Company, Dallas, Tex. Bat-former. No. 903,876; Nov. 17; Sp. p. 2719; Gaz. vol. 137; p. 501.
- Lumsden, D., Cisco, Ill. Clod-crusher. No. 878,887; Feb. 11; Sp. p. 2073; Dr. p. 431; Gaz. vol. 132; p. 1208.
- Luna, W. J. (See Tucker, H. G., assignor.)
- Lund, E. A. P. R. (See Hansen-Ellehammer and Lund.)
- Lund, E. J. (See Linden and Lund.)
- Lund, H., Grafton, N. D., assignor to Fosston Manufacturing Company, St. Paul, Minn. Cylinder-wrench. No. 877,352; Jan. 21; Sp. p. 3422; Dr. p. 742; Gaz. vol. 132; p. 624.
- Lund, H., Grafton, N. D., assignor to Fosston Manufacturing Company, St. Paul, Minn. Cylinder-wrench. No. 877,465; Jan. 21; Sp. p. 3635; Dr. p. 787; Gaz. vol. 132; p. 661.
- Lund, M. (See Fox and Lund.)
- Lund, O. F., Moline, Ill. Animal-trap. No. 894,962; Aug. 4; Sp. p. 372; Dr. p. 75; Gaz. vol. 135; p. 955.
- Lund, T., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel. No. 880,898; Mar. 3; Sp. p. 842; Dr. p. 179; Gaz. vol. 133; p. 142.
- Lundberg, P. G. C., Wänamo, Sweden. Protecting arrangement for cutters and other rotary apparatus. No. 901,458; Oct. 20; Sp. p. 2921; Dr. p. 596; Gaz. vol. 136; p. 1590.
- Lundell, O. P., Sioux Falls, S. D. Building-block. No. 881,425; Mar. 10; Sp. p. 1858; Dr. p. 404; Gaz. vol. 133; p. 340.
- Lundgard, A. M., *et al.* (See Wintherlich, H. J., assignor.)
- Lundgren, C. A., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 885,266; Apr. 21; Sp. p. 3292; Dr. pp. 688-9; Gaz. vol. 133; p. 1773.
- Lundgren, C. A., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 887,673; May 12; Sp. p. 2715; Dr. p. 574; Gaz. vol. 134; p. 468.
- Lundgren, C. A., assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Driving mechanism for cash registers. No. 895,873; Aug. 11; Sp. p. 2201; Dr. p. 469; Gaz. vol. 135; p. 1279.
- Lundgren, H. E., Fort Crook, Nebr. Steam-engine. No. 889,703; June 2; Sp. p. 1012; Dr. pp. 233-4; Gaz. vol. 134; p. 1221.
- Lundgren, J., Philadelphia, Pa., assignor to H. M. Harley, Gloucester City, N. J. Braiding-machine. No. 887,259; May 12; Sp. p. 1836; Dr. p. 388; Gaz. vol. 134; p. 329.
- Lundgren, J., Philadelphia, Pa., assignor to Samson Cordage Works, Boston, Mass. Braiding-machine. No. 897,382; Sept. 1; Sp. p. 291; Dr. pp. 59-60; Gaz. vol. 136; p. 44.
- Lundgren, J., Philadelphia, Pa., assignor to Samson Cordage Works, Boston, Mass. Braiding-machine. No. 897,551; Sept. 1; Sp. p. 636; Dr. pp. 131-3; Gaz. vol. 136; p. 100.
- Lundgren, J. W., Duluth, Minn. Power-transmission device. No. 882,643; Mar. 24; Sp. p. 4283; Dr. p. 908; Gaz. vol. 133; p. 800.
- Lundgren, J. W., Duluth, Minn. Match-making machine. No. 892,602; July 7; Sp. p. 397; Dr. p. 88; Gaz. vol. 135; p. 73.
- Lundgren, L. J., assignor, by mesne assignments, to Mechanical Advertising Sign Company, St. Paul, Minn. Advertising-sign. No. 876,570; Jan. 14; Sp. p. 1807; Dr. pp. 394-5; Gaz. vol. 132; p. 325.
- Lundin, A. G., New York, N. Y. Net drawing or lifting device. No. 880,552; Mar. 3; Sp. p. 119; Dr. p. 27; Gaz. vol. 133; p. 24.
- Lundin, A. G., Neponset, Mass. Hammer or the like. No. 905,198; Dec. 1; Sp. p. 158; Gaz. vol. 137; p. 1008.
- Lundquist, C. J., assignor of one-half to A. Linderblad, New Brunswick, N. J. Bottle or jar closure. No. 886,619; May 5; Sp. p. 548; Dr. p. 116; Gaz. vol. 134; p. 97.
- Lundquist, R., Laguna de Terminos, Mexico. Rotary engine. No. 883,034; Mar. 24; Sp. p. 5051; Dr. p. 1076; Gaz. vol. 133; p. 927.
- Lundy, A. E., Newark, N. Y. Machine for gathering and topping onions. No. 894,675; July 28; Sp. p. 4787; Dr. p. 994; Gaz. vol. 135; p. 835.
- Lundy, N. W., Marshalltown, Iowa. Soldering-furnace. No. 883,216; Mar. 31; Sp. p. 5427; Dr. pp. 1156-7; Gaz. vol. 133; p. 1017.
- Lungren, C. M., Bayonne, N. J., assignor to Safety Car Heating & Lighting Company. Strainer and perforate discharge for lamps. No. 880,149; Feb. 25; Sp. p. 4663; Dr. p. 983; Gaz. vol. 132; p. 1692.
- Lungren, C. M., Bayonne, N. J., assignor to Railway Utilities Company. Projecting-lantern. No. 898,054; Sept. 8; Sp. p. 1684; Dr. pp. 357-8; Gaz. vol. 136; p. 295.
- Lunken, E. H. (See Conklin and Lunken.)
- Lunken, E. H., and C. M. Conklin, Cincinnati, Ohio, assignors to Lunken Steel Window Company. Fireproof window construction. No. 897,297; Sept. 1; Sp. p. 53; Dr. p. 13; Gaz. vol. 136; p. 12.
- Lunken, E. H., and C. M. Conklin, Cincinnati, Ohio, assignors to Lunken Steel Window Co. Self-closing window. No. 902,978; Nov. 3; Sp. p. 890; Gaz. vol. 137; p. 149.
- Lunken, E. H., and C. M. Conklin, Cincinnati, Ohio, assignors to Lunken Steel Window Company. Fireproof window construction. No. 902,979; Nov. 3; Sp. p. 891; Gaz. vol. 137; p. 149.
- Lunken, E. H., and H. Ritter, assignors to Lunken Steel Window Co., Cincinnati, Ohio. Window construction. No. 902,980; Nov. 3; Sp. p. 895; Gaz. vol. 137; p. 149.
- Lunken Steel Window Co. (See Conklin, C. M., assignor.)
- Lunken Steel Window Co. (See Conklin and Lunken, assignors.)
- Lunken Steel Window Co. (See Lunken and Conklin, assignors.)
- Lunken Steel Window Co. (See Lunken and Ritter, assignors.)
- Lunsford, J. H., Lakeside, Nebr. Combined center-delivery and dumping hay-rake. No. 898,240; Sept. 8; Sp. p. 2051; Dr. pp. 435-6; Gaz. vol. 136; p. 354.
- Lupo, T. B., New York, N. Y. Column for interior decoration. No. 882,398; Mar. 17; Sp. p. 3798; Dr. p. 811; Gaz. vol. 133; p. 686.
- Luppert, J. (See Faries, R., assignor.)
- Luppert, V. C., South Williamsport, Pa. Table-support. No. 881,190; Mar. 10; Sp. p. 1386; Dr. p. 300; Gaz. vol. 133; p. 265.
- Luppert, V. C., Williamsport, Pa. Furniture-rack. No. 893,856; July 21; Sp. p. 3094; Dr. pp. 632-3; Gaz. vol. 135; p. 544.
- Luppino, J., New London, Conn. Vehicle-wheel. No. 891,429; June 23; Sp. p. 4553; Dr. p. 990; Gaz. vol. 134; p. 1877.
- Luppino, J., assignor to American Couch Company, New York, N. Y. Sliding couch-bed. No. 898,981; Sept. 15; Sp. p. 3436; Dr. pp. 737-8; Gaz. vol. 136; p. 626.
- Luppino, J., assignor to American Couch Company, New York, N. Y. Davenport-bed. No. 907,068; Dec. 15; Sp. p. 3746; Gaz. vol. 137; p. 1667.
- Lüring, W., assignor to Gebr. Körting Aktiengesellschaft, Körtingsdorf, near Hanover, Germany. Production of soap powder. No. 890,078; June 9; Sp. p. 1768; Dr. p. 391; Gaz. vol. 134; p. 1371.
- Lüscher, G., Aarau, Switzerland. Water-lock gate. No. 884,400; Apr. 14; Sp. p. 1479; Dr. p. 317; Gaz. vol. 133; p. 1458.
- Luschka, A. R., assignor to Motor Specialty Manufacturing Company, Chicago, Ill. Spark-coil. No. 877,656; Jan. 28; Sp. p. 4039; Dr. p. 872; Gaz. vol. 132; p. 745.
- Luschka, A. R., assignor to Motor Specialty Manufacturing Company, Chicago, Ill. Vibrator. No. 877,896; Jan. 28; Sp. p. 4489; Dr. p. 977; Gaz. vol. 132; p. 820.
- Luschka, A. R., River Forest, assignor to Western Electric Company, Chicago, Ill. Interrupter. No. 886,141; Apr. 28; Sp. p. 5095; Dr. pp. 1069-70; Gaz. vol. 133; p. 2086.
- Luschka, A. R., River Forest, assignor to Western Electric Company, Chicago, Ill. Electrical transformer. No. 891,496; June 23; Sp. p. 4683; Dr. pp. 1014-15; Gaz. vol. 134; p. 1899.

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- Lüsebrink, G., Hagen, Germany. Steam-trap. No. 880,087; Feb. 25; Sp. p. 4542; Dr. p. 956; Gaz. vol. 132; p. 1672.
- Lütge, H. C. A., Anderson, Ind. Bottle-stopper. No. 883,657; Mar. 31; Sp. p. 6346; Dr. p. 1352; Gaz. vol. 133; p. 1158.
- Luthardt, C. L., Baltimore, Md. Cabinet. No. 884,178; Apr. 7; Sp. p. 1068; Dr. p. 222; Gaz. vol. 133; p. 1357.
- Luthardt, F. J., Seymour, Wis. Seat for wagons. No. 896,127; Aug. 18; Sp. p. 2682; Dr. p. 579; Gaz. vol. 135; p. 1382.
- Luther Brothers Company. (See Thompson, J. M., assignor.)
- Luther, C. H., Jr., Providence, R. I. Rotary engine. No. 897,260; Aug. 25; Sp. p. 5111; Dr. pp. 1066-7; Gaz. vol. 135; p. 1780.
- Luther, E. E., and W. H. Volck, Watsonville, Cal. Making arsenate of lead. No. 892,603; July 7; Sp. p. 398; Gaz. vol. 135; p. 74.
- Luther, E. E., and W. H. Volck, Watsonville, Cal. Making arsenate of lead. No. 903,389; Nov. 10; Sp. p. 1697; Gaz. vol. 137; p. 310.
- Lutin, J., Sterling, Colo. Cutting apparatus for harvesters. No. 880,553; Mar. 3; Sp. p. 120; Dr. p. 27; Gaz. vol. 133; p. 24.
- Lutomski, G. B., Pittsburg, Pa. Washboard. No. 886,829; May 5; Sp. p. 1007; Dr. p. 211; Gaz. vol. 134; p. 165.
- Lutter, H., and E. A. Gies, Milwaukee, Wis. Crank-planer. No. 890,780; June 16; Sp. p. 3239; Dr. p. 708; Gaz. vol. 134; p. 1634.
- Lutton, W. H., Jersey City, N. J. Greenhouse construction. No. 902,155; Oct. 27; Sp. p. 4357; Dr. p. 882; Gaz. vol. 136; p. 1846.
- Lutton, W. J., Paterson, N. J. Protector mechanism for looms. No. 900,403; Oct. 6; Sp. p. 696; Dr. pp. 143-4; Gaz. vol. 136; p. 1182.
- Lutton, W. J., Paterson, N. J., assignor to Crompton & Knowles Loom Works. Take-up mechanism for looms. No. 882,904; Mar. 24; Sp. p. 4810; Dr. p. 1022; Gaz. vol. 133; p. 885.
- Luttrell, J. D., Benton Harbor, assignor to E. M. Barnes, St. Joseph, Mich. Concrete-mixer. No. 882,830; Mar. 24; Sp. p. 4654; Dr. pp. 990-1; Gaz. vol. 133; p. 861.
- Lutz, G. A., New York, N. Y., assignor to American Circular Loom Company, Portland, Me. Electroplating apparatus. No. 881,810; Mar. 10; Sp. p. 2611; Dr. p. 561; Gaz. vol. 133; p. 463.
- Lutz, G. A., New York, N. Y., assignor to American Circular Loom Company, Portland, Me. Electroplating apparatus. No. 881,811; Mar. 10; Sp. p. 2613; Dr. p. 561; Gaz. vol. 133; p. 466.
- Lutz, G. A., New York, N. Y., assignor to American Circular Loom Company, Portland, Me. Outlet-box. No. 898,756; Sept. 15; Sp. p. 3035; Dr. p. 651; Gaz. vol. 136; p. 552.
- Lutz, G. A., Plainfield, N. J., assignor to American Circular Loom Company, Portland, Me. Electroplating apparatus. No. 899,226; Sept. 22; Sp. p. 3915; Dr. p. 836; Gaz. vol. 136; p. 733.
- Lutz, G. A., Plainfield, N. J., assignor to American Circular Loom Company, Portland, Me. Method of and apparatus for electroplating. No. 902,292; Nov. 3; Sp. p. 737; Gaz. vol. 137; p. 122.
- Lutz, G. A., New York, N. Y., and C. C. Sibley, Perth Amboy, N. J., assignors to American Circular Loom Company, Portland, Me. Flexible conduit. No. 893,857; July 21; Sp. p. 3096; Dr. p. 633; Gaz. vol. 135; p. 545.
- Lutz, H., Denver, Colo. Friction-clutch. No. 883,658; Mar. 31; Sp. p. 6347; Dr. pp. 1352-3; Gaz. vol. 133; p. 1158.
- Lutz, H., Stony Creek, Ontario, assignor of three-sevenths to Internal Speed Automobile Company, Hamilton, Canada. Internal variable-speed friction transmission device. No. 904,272; Nov. 17; Sp. p. 3556; Gaz. vol. 137; p. 636.
- Lutz, O. E., Laona, Wis. Clutch. No. 906,041; Dec. 8; Sp. p. 1823; Gaz. vol. 137; p. 1313.
- Lutz, O. W., Petaluma, Cal. Gas-regulator. No. 906,810; Dec. 15; Sp. p. 3270; Gaz. vol. 137; p. 1586.
- Lux, J. K., Washington, D. C. Operating means for circuit-controlling devices. No. 901,637; Oct. 20; Sp. p. 3268; Dr. p. 670; Gaz. vol. 136; p. 1645.
- Lux, F., assignor to Waterbury Clock Co. Ship's-bell clock. No. 892,067; June 30; Sp. p. 5855; Dr. p. 1260; Gaz. vol. 134; p. 2118.
- Luxmore, W., Chicago, Ill. Dental articulator. No. 880,899; Mar. 3; Sp. p. 843; Dr. p. 180; Gaz. vol. 133; p. 142.
- Luyties, O. G., Baltimore, Md. Means for removing yeast from fermenting whisky-mash. No. 888,627; May 26; Sp. p. 4623; Dr. p. 981; Gaz. vol. 134; p. 844.
- Luz, F. L. (See Dickerson, M., assignor.)
- Lyche, H. H. (See Odquist and Lyche.)
- Lyche, H. H., and V. Odquist, assignors to Torris Wold & Company, Chicago, Ill. Can-end-seaming machine. No. 900,108; Oct. 6; Sp. p. 71; Dr. pp. 13-15; Gaz. vol. 136; p. 1086.
- Lydon, T. (See Garrettson and Lydon.)
- Lye, K., Stavanger, Norway. Opening device for cans. No. 907,828; Dec. 29; Sp. p. 5355; Gaz. vol. 137; p. 1987.
- Lyle, A. (See Owens and Lyle.)
- Lyle, A., and C. Owens, said Lyle assignor to D. P. Montague, Chattanooga, Tenn. Machine for producing printing-surfaces. No. 882,704; Mar. 24; Sp. p. 4389; Dr. pp. 934-5; Gaz. vol. 133; p. 820.
- Lyle, C. B., Magnolia, Ark. Inkstand-cover. No. 893,179; July 14; Sp. p. 1601; Dr. p. 340; Gaz. vol. 135; p. 291.
- Lyman, C. M., assignor to International Heater Company, Utica, N. Y. Universal check-draft. No. 880,150; Feb. 25; Sp. p. 4669; Dr. p. 984; Gaz. vol. 132; p. 1692.
- Lyman, E. M., and J. Ives, Peekskill, N. Y. Hat-curling machine. No. 886,142; Apr. 28; Sp. p. 5096; Dr. p. 1070; Gaz. vol. 133; p. 2086.
- Lyman, F. G., assignor of one-half to J. E. Gunther, Wapakoneta, Ohio. Seed-separator. No. 886,006; Apr. 28; Sp. p. 4825; Dr. p. 1013; Gaz. vol. 133; p. 2043.
- Lyman, F. G., assignor of one-half to J. E. Gunther, Wapakoneta, Ohio. Grain separator and grader. No. 903,390; Nov. 10; Sp. p. 1698; Gaz. vol. 137; p. 310.
- Lyman, J. F., Montebrook Farm, Va. Snap-hook. No. 895,279; Aug. 4; Sp. p. 1028; Dr. p. 215; Gaz. vol. 135; p. 1063.
- Lyman, J. G. (See Friedrich and Lyman.)
- Lynch, E. P. (See Smith, J., assignor.)
- Lynch, E. P., Mill Valley, Cal. Separating the liquid from the solid portions of treated ores. No. 885,004; Apr. 14; Sp. p. 2716; Dr. p. 576; Gaz. vol. 133; p. 1652.
- Lynch, E. P., Salt Lake City, Utah. Stationery-holder. No. 896,221; Aug. 18; Sp. p. 2858; Dr. p. 615; Gaz. vol. 135; p. 1413.
- Lynch, G. E., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Rack-rail locomotive. No. 901,975; Oct. 27; Sp. p. 3984; Dr. pp. 812-3; Gaz. vol. 136; p. 1789.
- Lynch, J., Rodney, Mich. Stump-puller. No. 894,843; Aug. 4; Sp. p. 82; Dr. pp. 17-18; Gaz. vol. 135; p. 914.
- Lynch, J., Manchester, England. Tilting barrels. No. 908,019; Dec. 29; Sp. p. 5765; Gaz. vol. 137; p. 2048.
- Lynch, J. H., Red Bank, N. J. Circuit-closer for automatic train-stops. No. 890,670; June 16; Sp. p. 2990; Dr. p. 656; Gaz. vol. 134; p. 1597.
- Lynch, J. H., Red Bank, N. J. Automatic train-stop. No. 891,556; June 23; Sp. p. 4810; Dr. p. 1039; Gaz. vol. 134; p. 1919.
- Lynch, J. H., Red Bank, N. J. Can-opener. No. 900,030; Sept. 29; Sp. p. 5581; Dr. p. 1192; Gaz. vol. 136; p. 1030.
- Lynch, M., Malta Bend, Mo. Scalding apparatus. No. 897,754; Sept. 1; Sp. p. 1032; Dr. pp. 219-20; Gaz. vol. 136; p. 167.
- Lynch, P. (See Jones and Lynch.)
- Lynch, T. E., Jr. (See Voelker and Lynch.)
- Lynchburg Foundry Company. (See McGahey, C. R., assignor.)
- Lynchburg Foundry Company. (See McWane, C. W., assignor.)
- Lynn, G. L., Peach, Wash. Tide-washer. No. 893,337; July 14; Sp. p. 1905; Dr. pp. 398-9; Gaz. vol. 135; p. 343.
- Lyons, C. T., and W. F. Skaggs, assignors of one-third to I. R. Bowling, Redbush, Ky. Combined wagon brake and lock. No. 905,896; Dec. 8; Sp. p. 1552; Gaz. vol. 137; p. 1267.
- Lyons, G. B., Ithaca, N. Y. Embroidery-frame. No. 901,246; Oct. 13; Sp. p. 2413; Dr. p. 495; Gaz. vol. 136; p. 1481.
- Lyons, H., Brockton, assignor, by mesne assignments, to Boston Machine Works Company, Lynn, Mass. Vamp-folding machine. No. 888,105; May 19; Sp. p. 3584; Dr. pp. 749-51; Gaz. vol. 134; p. 640.
- Lyon & Healy. (See Smith, H. M., assignor.)
- Lyon, J., et al. (See Bowes, T. F., assignor.)
- Lyon, J. H., Kearney, Nebr. House-truck. No. 878,546; Feb. 11; Sp. p. 1389; Dr. p. 285; Gaz. vol. 132; p. 1098.
- Lyon, J. M. (See Buys and Lyon.)
- Lyon, J. P., Detroit, Mich. Jar-closure. No. 894,513; July 28; Sp. p. 4459; Dr. p. 924; Gaz. vol. 135; p. 781.
- Lyon, J. P., assignor of one-half to D. D. Rowlands, Ogden, Utah. Locomotive flag-signal and case. No. 877,935; Feb. 4; Sp. p. 79; Dr. p. 16; Gaz. vol. 132; p. 862.
- Lyon, O. B. (See Young and Lyon.)
- Lyon, O. B., Modesto, Cal. Oil-burner. No. 882,775; Mar. 24; Sp. p. 4397; Dr. p. 935; Gaz. vol. 133; p. 820.
- Lyon, W. L., Galesburg, Ill. Wire-uniting mechanism for baling-presses. No. 899,014; Sept. 15; Sp. p. 3505; Dr. pp. 750-1; Gaz. vol. 136; p. 636.
- Lyon, W. T., Portland, Oreg. Dental impression-tray. No. 882,155; Mar. 17; Sp. p. 3330; Dr. p. 710; Gaz. vol. 133; p. 606.
- Lyons, C. D. (See Barney, F. P., assignor.)
- Lyons, H. C., C. R. Clark, and W. T. McLean, Alexandria, Va. Pump. No. 904,209; Nov. 17; Sp. p. 3421; Gaz. vol. 137; p. 615.
- Lyons, I., et al. (See Welsh, T. W., assignor.)
- Lyons, J. G., Tacoma, Wash. Apron. No. 889,470; June 2; Sp. p. 576; Dr. p. 134; Gaz. vol. 134; p. 1148.
- Lyons, J. W., Trenton, N. J. Floor connection for water-closets. No. 883,896; Apr. 7; Sp. p. 461; Dr. p. 90; Gaz. vol. 133; p. 1265.
- Lyons, K., New Rumley, Ohio. Jar-wrench. No. 901,247; Oct. 13; Sp. p. 2414; Dr. p. 495; Gaz. vol. 136; p. 1481.
- Lyster, F., assignor to Lyster Sheet Metal Company, Philadelphia, Pa. Fireproof metal window-frame. No. 899,227; Sept. 22; Sp. p. 3917; Dr. p. 836; Gaz. vol. 136; p. 733.
- Lyster Sheet Metal Company. (See Lyster, F., assignor.)

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- Lytle, W. W., St. Louis, Mo. Bed-spring. No. 883,551; Mar. 31; Sp. p. 6144; Dr. p. 1306; Gaz. vol. 133; p. 1125.
- M. Garland Co. (See Garland, M. and H. W., assignors.)
- M. Garland Company. (See Garland, M., assignor.)
- M. E. Blasier Manufacturing Company. (See Harrison, W., assignor.)
- M. H. Treadwell Company. (See Astrom, C. P., assignor.)
- M. H. Treadwell Company. (See Treadwell and Astrom, assignors.)
- M. P. Smith & Sons Company *et al.* (See Nichols, E. W., assignor.)
- Ma Loney, M. F., Chicago, Ill. Hat-holder. No. 878,814; Feb. 11; Sp. p. 1941; Dr. p. 402; Gaz. vol. 132; p. 1185.
- Maas, G. B., Cleveland, Ohio. Illuminating electric clock and call system. No. 889,533; June 2; Sp. p. 690; Dr. p. 158; Gaz. vol. 134; p. 1167.
- Maas, G. H., Milwaukee, Wis. Lock and sealing device. No. 878,215; Feb. 4; Sp. p. 663; Dr. p. 136; Gaz. vol. 132; p. 953.
- Maas, H., Sheboygan, Wis. Smoking-pipe. No. 889,534; June 2; Sp. p. 691; Dr. p. 158; Gaz. vol. 134; p. 1167.
- Maas, J., Kalamazoo, Mich. Gas-light fixture. No. 886,712; May 5; Sp. p. 766; Dr. pp. 156-8; Gaz. vol. 134; p. 128.
- Maas, J., assignor to American Gas Light Company, Kalamazoo, Mich. Gas-light fixture. No. 900,031; Sept. 29; Sp. p. 5583; Dr. p. 1193; Gaz. vol. 136; p. 1030.
- Maas, W. L., St. Paul, Minn. Machine for separating coffee. No. 896,032; Aug. 11; Sp. p. 2514; Dr. pp. 543-4; Gaz. vol. 135; p. 1331.
- Maass, W., assignor to American Autographic Register Co., Cincinnati, Ohio. Autographic register. No. 887,208; May 12; Sp. p. 1709; Dr. p. 363; Gaz. vol. 134; p. 313.
- Maatschappij tot Vervaardiging' Van Sniijmachines Volgens "Van Berkel's Patent" en Van Andere Werktuigen. (See Roest, A., assignor.)
- Mabbott, J. C., Mount Vernon, S. D. Pen for holding swine. No. 884,179; Apr. 7; Sp. p. 1069; Dr. p. 223; Gaz. vol. 133; p. 1358.
- Mabin, J. W., Springfield, Ohio. Sliding-door fastener. No. 889,942; June 9; Sp. p. 1480; Dr. p. 335; Gaz. vol. 134; p. 1324.
- Mable, W., assignor of one-half to W. B. Morris, Fort Collins, Colo. Traveling-case. No. 885,853; Apr. 28; Sp. p. 4499; Dr. p. 945; Gaz. vol. 133; p. 1991.
- Mahley, C. R., and G. E. Franquist, New York, N. Y., assignors, by mesne assignments, to Continental Automobile Company. Clutch mechanism. No. 883,552; Mar. 31; Sp. p. 6145; Dr. p. 1306; Gaz. vol. 133; p. 1125.
- Mabry, H. W., Dundee, Tex. Churn. No. 881,251; Mar. 10; Sp. p. 1518; Dr. p. 326; Gaz. vol. 133; p. 286.
- MacCreedy, J. J., assignor of one-half to S. Rothamel, Philadelphia, Pa. Folding umbrella. No. 896,308; Aug. 18; Sp. p. 3041; Dr. p. 654; Gaz. vol. 135; p. 1441.
- MacDonald, A. P., Morris, Ill. Machine for separating hulled from unhulled grain. No. 882,156; Mar. 17; Sp. p. 3331; Dr. p. 710; Gaz. vol. 133; p. 606.
- MacDougall, W. T., Woodbridge, N. J. Book of account. No. 878,216; Feb. 4; Sp. p. 665; Dr. p. 137; Gaz. vol. 132; p. 954.
- MacDougall, W. T., Woodbridge, N. J. Book of account. No. 878,217; Feb. 4; Sp. p. 667; Dr. p. 137; Gaz. vol. 132; p. 954.
- MacDowell, E. H. (See Cowles and MacDowell.)
- MacFarland, R. B. (See Wilson and MacFarland.)
- MacGahan, P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. No. 896,222; Aug. 18; Sp. p. 2860; Dr. pp. 615-16; Gaz. vol. 135; p. 1414.
- MacGregor, P., Ottawa, Ontario, Canada. Combined temporary binder and arch-file. No. 904,628; Nov. 24; Sp. p. 4301; Gaz. vol. 137; p. 782.
- MacGregor, R. (See Herman, W. E., assignor.)
- MacGregor, W. F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Spark-arrester. No. 880,385; Feb. 25; Sp. p. 5130; Dr. p. 1084; Gaz. vol. 132; p. 1770.
- MacGregor, W. F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Straw-stacker. No. 903,743; Nov. 10; Sp. p. 2407; Gaz. vol. 137; p. 423.
- MacGuffie, J. R., New York, N. Y., assignor to Royal Typewriter Company, Hoboken, N. J. Writing-machine. No. 896,925; Aug. 25; Sp. p. 4334; Dr. p. 928; Gaz. vol. 135; p. 1666.
- MacIndoe, F., assignor of two-thirds to T. D. Just and P. T. McGlynn, Philadelphia, Pa. Means for lubricating elevator guide-rails. No. 905,724; Dec. 1; Sp. p. 1204; Gaz. vol. 137; p. 1179.
- MacKaskie, P. M., Central, Nev. Combined measure, funnel, and filter. No. 892,000; June 30; Sp. p. 5737; Dr. p. 1234; Gaz. vol. 134; p. 2098.
- MacKaskie, P. M., Central, assignor of one-half to K. Pittman, Tonopah, Nev. Charge-supplying means for internal-combustion engines. No. 890,522; June 9; Sp. p. 2658; Dr. p. 587; Gaz. vol. 134; p. 1514.
- MacKaye, H. S. (See Robinson, H., assignor.)
- MacKaye, J., Cambridge, assignor to Stone & Webster, Boston, Mass. Producing chlorids of carbon. No. 880,900; Mar. 3; Sp. p. 845; Dr. pp. 180-1; Gaz. vol. 133; p. 142.
- MacKenzie, G. W., Ben Avon, assignor to Butler Manufacturing Company, Butler, Pa. Alarm device. No. 891,627; June 23; Sp. p. 4961; Dr. p. 1070; Gaz. vol. 134; p. 1942.
- MacKinnon, M. J., Portland, Oreg. Railway-rail joint. No. 907,697; Dec. 22; Sp. p. 5100; Gaz. vol. 137; p. 1914.
- MacLachlan, J. D., assignor to Detroit Steam Engine Company, Detroit, Mich. Valve. No. 881,191; Mar. 10; Sp. p. 1388; Dr. p. 300; Gaz. vol. 133; p. 266.
- MacLachlan, J. D., assignor of one-half to G. W. Golden, Detroit, Mich. Fluid-fuel-feed regulator for steam-boilers. No. 905,199; Dec. 1; Sp. p. 159; Gaz. vol. 137; p. 1008.
- MacLagan, H. P., assignor to National Rheostat Company, Chicago, Ill. Resistance-adjusting device. No. 907,831; Dec. 29; Sp. p. 5358; Gaz. vol. 137; p. 1988.
- MacLaughlin, T. J., Ottawa, Ontario, Canada. Putty-applying tool. No. 888,629; May 26; Sp. p. 4625; Dr. p. 981; Gaz. vol. 134; p. 844.
- MacLaughlin, T. J., Ottawa, Ontario, Canada. Grain-door for freight-cars. No. 893,001; July 14; Sp. p. 1258; Dr. p. 264; Gaz. vol. 135; p. 235.
- MacLean, A. (See Matlock, N. P., assignor.)
- MacLean, F. F., Philadelphia, Pa. Rotary engine. No. 883,324; Mar. 31; Sp. p. 5648; Dr. p. 1205; Gaz. vol. 133; p. 1052.
- MacLeod, A. (See McCarthy and MacLeod.)
- MacLeod, A., Waverley, Mass., assignor to Liquid Vending Machine Company. Liquid and cup dispensing apparatus. No. 896,405; Aug. 18; Sp. p. 3237; Dr. p. 694; Gaz. vol. 135; p. 1472.
- MacLeod, D. M., Los Angeles, Cal. Water-heater. No. 898,123; Sept. 8; Sp. p. 1818; Dr. p. 386; Gaz. vol. 136; p. 317.
- MacLeod, D. T., Merchantville, N. J. Ore-drier. No. 893,338; July 14; Sp. p. 1906; Dr. p. 399; Gaz. vol. 135; p. 343.
- MacMichael, R. F., Ben Avon, Pa. Single-trigger mechanism for guns. No. 894,451; July 28; Sp. p. 4346; Dr. pp. 895-6; Gaz. vol. 135; p. 762.
- MacMillan, D., Brooklyn, N. Y., assignor of one-half to H. D. Myers, Canton, Ohio. Strap-fastening. No. 903,100; Nov. 3; Sp. p. 1132; Gaz. vol. 137; p. 185.
- MacMillan, K. C., Portland, Oreg. Bed-screen and table-frame. No. 883,325; Mar. 31; Sp. p. 5650; Dr. p. 1206; Gaz. vol. 133; p. 1052.
- MacMillan, W., New York, N. Y. Electromagnetic switch. No. 897,215; Aug. 25; Sp. p. 4897; Dr. p. 1044; Gaz. vol. 135; p. 1759.
- MacMillan, W., assignor to E. Winkler and J. J. Walsh, New York, N. Y. Electric battery. No. 898,055; Sept. 8; Sp. p. 1689; Dr. pp. 358-9; Gaz. vol. 136; p. 296.
- MacMulin, J. J., Huntington, assignor of one-half to H. U. Palmer and C. A. Singer, New York, N. Y. Stuffing-box for engine-valves. No. 904,790; Nov. 24; Sp. p. 4657; Gaz. vol. 137; p. 836.
- MacNiven, H. H., Breedsville, Mich. Bridle-bit. No. 882,791; Mar. 24; Sp. p. 4559; Dr. p. 973; Gaz. vol. 133; p. 847.
- MacPhee, A., London, England. Powder-receptacle. No. 905,725; Dec. 1; Sp. p. 1205; Gaz. vol. 137; p. 1180.
- MacRae, H., *et al.* (See Pritchard, T. W., assignor.)
- MacVicar, D., and C. A. Magaw, Topeka, Kans. Automatic window-closing device. No. 908,020; Dec. 29; Sp. p. 5767; Gaz. vol. 137; p. 2049.
- MacWilliam, J. F., Hubbardston, Mass. Cover for fire-extinguishing receptacles. No. 886,713; May 5; Sp. p. 774; Dr. p. 158; Gaz. vol. 134; p. 129.
- MacWilliam, J. F., Hubbardston, Mass. Nozzle. No. 902,309; Oct. 27; Sp. p. 4690; Dr. p. 950; Gaz. vol. 136; p. 1896.
- Macadam, A. C. Y., Revere, Mass. Photographic-printing apparatus. No. 882,571; Mar. 24; Sp. p. 4134; Dr. p. 877; Gaz. vol. 133; p. 775.
- Macadam, J., Eddystone, Pa. Calender-roll. No. 907,829; Dec. 29; Sp. p. 5356; Gaz. vol. 137; p. 1987.
- Macallen Company. (See Terry, W. C., assignor.)
- Macaulay, B. J., Eastbourne, and J. A. F. Hall, Hampden Park, near Eastbourne, England. Pneumatic wheel for vehicles. No. 890,671; June 16; Sp. p. 2993; Dr. p. 657; Gaz. vol. 134; p. 1597.
- Macbeth, G. A., Pittsburg, Pa., assignor to C. T. Ham Manufacturing Company, Rochester, N. Y. Lens. No. 898,665; Sept. 15; Sp. p. 2872; Dr. p. 614; Gaz. vol. 136; p. 523.
- Macbeth-Evans Glass Company. (See Ball, C. E., assignor.)
- Macbeth-Evans Glass Company. (See Schneibach, H. A., assignor.)
- Macdonald, A., Danville, Ill. Window-catch. No. 898,491; Sept. 15; Sp. p. 2524; Dr. p. 540; Gaz. vol. 136; p. 467.

Alphabetical list of patentees—Continued.

- Macdonald, A. L., San Francisco, Cal. Syringe. No. 890,990; June 16; Sp. p. 3680; Dr. p. 802; Gaz. vol. 134; p. 1702.
- Macdonald, A. F., Schenectady, N. Y., assignor to General Electric Company. Cover for turbine-buckets. No. 901,459; Oct. 20; Sp. p. 2923; Dr. p. 596; Gaz. vol. 136; p. 1590.
- Macdonald, G. C., Cambridge, Mass. Cracker-box. No. 898,241; Sept. 8; Sp. p. 2053; Dr. p. 436; Gaz. vol. 136; p. 354.
- Macdonald, J. W. (See Blake, J., assignor.)
- Macdonald, M., Cleveland, Ohio, assignor to Macdonald Ticket & Ticket Box Company. Ticket-pad. No. 878,970; Feb. 11; Sp. p. 2225; Dr. p. 466; Gaz. vol. 132; p. 1234.
- Macdonald, T. H., assignor to American Graphophone Company, Bridgeport, Conn. Graphophone. No. 877,207; Jan. 21; Sp. p. 3147; Dr. pp. 682-3; Gaz. vol. 132; p. 579.
- Macdonald, T. H., assignor to American Graphophone Company, Bridgeport, Conn. Production of disk sound-records. No. 878,547; Feb. 11; Sp. p. 1390; Dr. p. 285; Gaz. vol. 132; p. 1098.
- Macdonald, T. H., assignor to American Graphophone Company, Bridgeport, Conn. Disk graphophone. No. 902,590; Nov. 3; Sp. p. 125; Gaz. vol. 137; p. 20.
- Macdonald Ticket & Ticket Box Company. (See Macdonald, M., assignor.)
- Macdonald, V., Melbourne, Victoria, Australia. Appliance for casting dental gold inlays. No. 903,489; Nov. 10; Sp. p. 1911; Gaz. vol. 137; p. 344.
- Macdonald, W., Verna, Saskatchewan, Canada. Envelop. No. 891,711; June 23; Sp. p. 5141; Dr. pp. 1110-11; Gaz. vol. 134; p. 1970.
- Macdonald, W. R., Pittsburg, Pa. Heating and ventilating system. No. 877,936; Feb. 4; Sp. p. 80; Dr. pp. 16-17; Gaz. vol. 132; p. 862.
- Macduff, J. B., Brooklyn, N. Y. Bracket. No. 883,323; Mar. 31; Sp. p. 5647; Dr. p. 1205; Gaz. vol. 133; p. 1052.
- Macduff, J. B., Brooklyn, N. Y. Flying-machine. No. 905,547; Dec. 1; Sp. p. 885; Gaz. vol. 137; p. 1125.
- Macek, J., Vienna, Austria-Hungary. Clip for fixing conducting-wires to insulators. No. 877,101; Jan. 21; Sp. p. 2913; Dr. p. 630; Gaz. vol. 132; p. 541.
- Macfarlane, W. A., Cathcart, Scotland. Apparatus for driving centrifugal machines. No. 876,368; Jan. 14; Sp. p. 1352; Dr. pp. 294-5; Gaz. vol. 132; p. 256.
- Macfarren, W. W. (See Martin and Macfarren.)
- Macfarren, W. W., assignor to W. H. Donner, Pittsburg, Pa. Automobile. No. 876,070; Jan. 7; Sp. p. 755; Dr. pp. 160-6; Gaz. vol. 132; p. 128.
- Machalske, F. J., Niagara Falls, N. Y., assignor of one-fourth to R. Modjeski, Chicago, Ill. Making artificial micas. No. 885,934; Apr. 28; Sp. p. 4670; Gaz. vol. 133; p. 2018.
- Machalske, F. J., Niagara Falls, N. Y., assignor to American Reduction Company, Pittsburg, Pa. Making soluble phosphates. No. 902,425; Oct. 27; Sp. p. 4946; Dr. p. 999; Gaz. vol. 136; p. 1935.
- Machen & Mayer Electrical Manufacturing Company. (See Mayer, W. S., assignor.)
- Macherski, T., and E. Koperski, Brest-Litovsk, Russia. Composition for decoloring oils, fats, &c., and making the same. No. 899,879; Sept. 29; Sp. p. 5251; Gaz. vol. 136; p. 931.
- Machine Sales Company. (See Eberhardt, H. E. and E. G., assignors.)
- Machlet, A. W., Elizabeth, N. J. Case-hardening apparatus. No. 884,180; Apr. 7; Sp. p. 1070; Dr. pp. 223-4; Gaz. vol. 133; p. 1358.
- Machlet, A. W., Elizabeth, N. J. Case-hardening. No. 884,181; Apr. 7; Sp. p. 1076; Dr. p. 224; Gaz. vol. 133; p. 1358.
- Machlet, A. W., Elizabeth, N. J. Hardening apparatus. No. 890,148; June 9; Sp. p. 1910; Dr. pp. 422-3; Gaz. vol. 134; p. 1394.
- Machlet, F. W., Elizabeth, N. J. Pump, &c. No. 902,501; Oct. 27; Sp. p. 5116; Dr. pp. 1035-6; Gaz. vol. 136; p. 1961.
- Macintosh, T. W., Penshurst, near Sydney, New South Wales, Australia. Sheet-metal lathing. No. 887,674; May 12; Sp. p. 2718; Dr. p. 574; Gaz. vol. 134; p. 469.
- Macis, G., St. Petersburg, Russia. Changeable type for type-writers. No. 895,652; Aug. 11; Sp. p. 1745; Dr. p. 369; Gaz. vol. 135; p. 1208.
- Mack, E. E., *et al.* (See Paar, H., assignor.)
- Mack, F. (See Smith, H. C., assignor.)
- Mack, F. W., Stoneham, assignor to C. N. Lovell, Melrose, and N. E. Covel, Boston, Mass. Candy-cutter. No. 907,830; Dec. 29; Sp. p. 5356; Gaz. vol. 137; p. 1987.
- Mack, G. E., assignor to Farrand Organ Company, Detroit, Mich. Music-winding roll for perforated music-sheets. No. 897,383; Sept. 1; Sp. p. 294; Dr. p. 60; Gaz. vol. 136; p. 45.
- Mack, J. M., Allentown, Pa. Steering mechanism for automobiles. No. 904,137; Nov. 17; Sp. p. 3255; Gaz. vol. 137; p. 590.
- Mackay, G., Washington, D. C. Railway-rail-fastening device. No. 889,471; June 2; Sp. p. 577; Dr. p. 134; Gaz. vol. 134; p. 1148.
- Mackay, G., Washington, D. C. Metal resilient railway-tie. No. 904,629; Nov. 24; Sp. p. 4903; Gaz. vol. 137; p. 783.
- Mackay, S. R., assignor of one-half to J. M. Hall, Glace Bay, Cape Breton, Nova Scotia, Canada. Hair-tonic. No. 896,647; Aug. 18; Sp. p. 3698; Gaz. vol. 135; p. 1519.
- Mackay, W. M., Newark, N. J. Vertical sectional boiler. No. 877,937; Feb. 4; Sp. p. 82; Dr. pp. 17-18; Gaz. vol. 132; p. 863.
- Mackay, W. M., Newark, N. J. Steam and hot-water boiler formed of circular sections. No. 881,137; Mar. 10; Sp. p. 1292; Dr. pp. 278-9; Gaz. vol. 133; p. 249.
- Macke, F., *et al.* (See McIntosh, W. M., assignor.)
- Mackenzie, A., and T. M. Norton, Denver, Colo. Extensible clothes-line support. No. 880,031; Feb. 25; Sp. p. 4426; Dr. p. 929; Gaz. vol. 132; p. 1654.
- Mackenzie, H. W., Edinburgh, Scotland. Means for molding biscuits. No. 884,746; Apr. 14; Sp. p. 2219; Dr. pp. 468-9; Gaz. vol. 133; p. 1573.
- Mackey, H. H., Durand, Mich. Adjustable exhaust for locomotives. No. 898,242; Sept. 8; Sp. p. 2054; Dr. p. 436; Gaz. vol. 136; p. 354.
- Mackie, A. B., Glasgow, Scotland. Advertising device. No. 878,301; Feb. 4; Sp. p. 838; Dr. p. 167; Gaz. vol. 132; p. 983.
- Mackie-Lovejoy Manufacturing Company. (See Spruce and Deknatel, assignors.)
- Mackie, W. A., *et al.* (See Halle, L. T., assignor.)
- Mackim, T., Amherst, Nova Scotia, Canada. Mail-bag-delivery apparatus for railways. No. 875,718; Jan. 7; Sp. p. 79; Dr. pp. 16-17; Gaz. vol. 132; p. 17.
- Mackin, F. J., assignor of one-half to Illinois-Pacific Glass Company, San Francisco, Cal. Machine for making blanks for narrow-necked bottles. No. 893,180; July 14; Sp. p. 1602; Dr. p. 340; Gaz. vol. 135; p. 292.
- Mackin, F. J., assignor of one-half to Illinois-Pacific Glass Co., San Francisco, Cal. Automatic glass-molding apparatus. No. 904,975; Nov. 24; Sp. p. 5032; Gaz. vol. 137; p. 898.
- Mackintosh, E. D., assignor of one-half to S. S. Hepworth Company, New York, N. Y. Friction-clutch. No. 890,672; June 16; Sp. p. 2994; Dr. p. 657; Gaz. vol. 134; p. 1597.
- Mackintosh, F., Schenectady, N. Y., assignor to General Electric Company. Electric fuse. No. 876,984; Jan. 21; Sp. p. 2661; Dr. p. 579; Gaz. vol. 132; p. 502.
- Mackie, J. F. (See Sole, Farley, and Mackie.)
- Mackley, J. H., Denver, Colo. Wall water-heater. No. 895,280; Aug. 4; Sp. p. 1029; Dr. p. 215; Gaz. vol. 135; p. 1063.
- MacLaurin, P. R., *et al.* (See Paulson, C. J., assignor.)
- Macloskie, G., Schenectady, N. Y., assignor to General Electric Company. Collector-operating valve. No. 888,339; May 19; Sp. p. 4007; Dr. p. 846; Gaz. vol. 134; p. 714.
- Macloskie, G., Schenectady, N. Y., assignor to General Electric Company. Electric bell-ringer. No. 888,340; May 19; Sp. p. 4009; Dr. p. 847; Gaz. vol. 134; p. 715.
- Macloskie, G., Schenectady, N. Y., assignor to General Electric Company. Controlling means for air-brakes. No. 900,762; Oct. 13; Sp. p. 1448; Dr. p. 294; Gaz. vol. 136; p. 1323.
- Macmillan, C., Schenectady, N. Y., assignor to General Electric Company. Current-collecting means. No. 901,976; Oct. 27; Sp. p. 3988; Dr. p. 813; Gaz. vol. 136; p. 1789.
- Macnish, F. J., Oak Park, assignor to Creamery Package Mfg. Company, Chicago, Ill. Rotary pump. No. 884,747; Apr. 14; Sp. p. 2220; Dr. p. 469; Gaz. vol. 133; p. 1573.
- Macomber, G. R., New York, N. Y. Vibratory massage apparatus. No. 878,078; Feb. 4; Sp. p. 376; Dr. p. 78; Gaz. vol. 132; p. 909.
- Macomber, G. R., Chicago, Ill. Tire-tightening apparatus. No. 888,628; May 26; Sp. p. 4625; Dr. p. 981; Gaz. vol. 134; p. 844.
- Macomber, H. H., assignor to Flint & Walling Manufacturing Company, Kendallville, Ind. Windmill. No. 882,644; Mar. 24; Sp. p. 4284; Dr. p. 908; Gaz. vol. 133; p. 801.
- Macomber, H. H., assignor to Flint & Walling Manufacturing Company, Kendallville, Ind. Windmill. (Reissue.) No. 12,804; June 2; Sp. p. 1362; Dr. p. 310; Gaz. vol. 134; p. 1281.
- Macomber, W., assignor to General Railway Signal Company, Buffalo, N. Y. Railway signaling apparatus. No. 896,842; Aug. 25; Sp. p. 4141; Dr. p. 888; Gaz. vol. 135; p. 1638.
- Macomber, W. G., Johannesburg, Cal. Rotary engine. No. 893,181; July 14; Sp. p. 1604; Dr. p. 340; Gaz. vol. 135; p. 292.
- Macphail, J., Davenport, Iowa, assignor to Janesville Machine Company, Janesville, Wis. Disk harrow. No. 897,216; Aug. 25; Sp. p. 4900; Dr. p. 1044; Gaz. vol. 135; p. 1760.
- Macpherson, J. D., Providence, R. I., assignor to American Diesel Engine Company, New York, N. Y. Fuel-pump for internal-combustion engines. No. 890,673; June 16; Sp. p. 2994; Dr. pp. 657-8; Gaz. vol. 134; p. 1598.

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- Macpherson, J. D., assignor to American Diesel Engine Company, New York, N. Y. Safety device for internal-combustion engines. No. 890,674; June 16; Sp. p. 2999; Dr. p. 658; Gaz. vol. 134; p. 1598.
- Macpherson, J. D., assignor to American Diesel Engine Company, New York, N. Y. Fuel-pump for internal-combustion engines. No. 898,124; Sept. 8; Sp. p. 1819; Dr. p. 386; Gaz. vol. 136; p. 317.
- Macpherson, R., Brondesbury, and W. E. Heys, Bushey, England. Detergent for use with hard and salt waters. No. 902,750; Nov. 3; Sp. p. 427; Gaz. vol. 137; p. 74.
- Madden, G. and L., Kent, Iowa. Crude-oil burner for stoves. No. 884,939; Apr. 14; Sp. p. 2594; Dr. p. 548; Gaz. vol. 133; p. 1633.
- Madden, H. E., Hebron, Ohio. Vegetable slicing or cutting machine. No. 897,637; Sept. 1; Sp. p. 804; Dr. p. 169; Gaz. vol. 136; p. 128.
- Madden, L. (See Madden, G. and L.)
- Madden, P. J., Chicago, Ill. Plumbing-fixture. No. 897,914; Sept. 8; Sp. p. 1386; Dr. pp. 296-7; Gaz. vol. 136; p. 251.
- Madden, R. I., St. Louis, Mo. Street-sweeper. No. 889,797; June 2; Sp. p. 1180; Dr. p. 273; Gaz. vol. 134; p. 1251.
- Maddock, J. (See Eccles, A. L., assignor.)
- Maddock, J., Trenton, N. J. Siphon structure. No. 897,118; Aug. 25; Sp. p. 4730; Dr. p. 1008; Gaz. vol. 135; p. 1736.
- Maddox, C. E. (See Singleton and Maddox.)
- Maddox, W. J., Jamestown, N. Y. Sanding, abrading, or polishing machine. No. 878,649; Feb. 11; Sp. p. 1629; Dr. pp. 332-3; Gaz. vol. 132; p. 1132.
- Maddox, W. J., Jamestown, N. Y. Knockdown table. No. 905,200; Dec. 1; Sp. p. 161; Gaz. vol. 137; p. 1009.
- Maddrell, T. J., and G. A. Swineford, assignors to G. A. Swineford Company, Canton, Ohio. Hay-carrier track. No. 903,594; Nov. 10; Sp. p. 2132; Gaz. vol. 137; p. 378.
- Maddux, C. M., Muncie, Ind. Apparatus for laying walls of building-blocks. No. 889,943; June 9; Sp. p. 1482; Dr. p. 336; Gaz. vol. 134; p. 1325.
- Maddux, T. W., Normal, Ala. Trunk-fastener. No. 892,533; July 7; Sp. p. 275; Dr. p. 60; Gaz. vol. 135; p. 51.
- Madeira, C., Stony Creek, Conn., assignor to C. E. Jennings & Co., New York, N. Y. Hand-tool case. No. 904,545; Nov. 24; Sp. p. 4138; Gaz. vol. 137; p. 754.
- Madeo, G., New York, N. Y. Tailor's pattern. No. 884,940; Apr. 14; Sp. p. 2596; Dr. p. 548; Gaz. vol. 133; p. 1633.
- Madigan, P. J., Chicago, Ill., assignor to Time Marking Machine Company. Stacking mechanism for postmarking-machines. No. 902,668; Nov. 3; Sp. p. 266; Gaz. vol. 137; p. 45.
- Madison-Kipp Lubricator Company. (See Sedgwick, H. A., assignor.)
- Madland, J. G., Port Angeles, Wash. Clothes-hanger. No. 908,290; Dec. 29; Sp. p. 6321; Gaz. vol. 137; p. 2139.
- Madlem, A. J., Goshen, Ind. Tobacco-pipe. No. 906,145; Dec. 8; Sp. p. 2025; Gaz. vol. 137; p. 1346.
- Madsen, M. H., Kimballton, Iowa. Hay-handling mechanism. No. 881,426; Mar. 10; Sp. p. 1859; Dr. p. 404; Gaz. vol. 133; p. 341.
- Madsen, R. (See Vaughn, B. A., assignor.)
- Madson, N., Belfield, N. D. Loading apparatus. No. 887,000; May 5; Sp. p. 1314; Dr. p. 276; Gaz. vol. 134; p. 218.
- Maegly, G. B., Kansas City, Mo. Paper-feed mechanism. No. 902,751; Nov. 3; Sp. p. 429; Gaz. vol. 137; p. 74.
- Maerky, E. (See Robertson, C. O., assignor.)
- Maerten, C., Jr., Martinsville, N. Y. Pneumatic action for musical instruments. No. 879,110; Feb. 11; Sp. p. 2510; Dr. p. 521; Gaz. vol. 132; p. 1278.
- Maerten, C., Jr., North Tonawanda, N. Y. Mechanical musical instrument. No. 888,830; May 26; Sp. p. 5049; Dr. p. 1078; Gaz. vol. 134; p. 907.
- Maerten, C., Jr., North Tonawanda, N. Y. Tracker-board for musical instruments. No. 890,288; June 9; Sp. p. 2221; Dr. p. 489; Gaz. vol. 134; p. 1440.
- Magaldi, G., Buccino, Italy. Cable or rope. No. 878,407; Feb. 4; Sp. p. 1037; Dr. pp. 209-10; Gaz. vol. 132; p. 1018.
- Magaldi, G., Buccino, near Salerno, Italy. Belt for power transmission. No. 886,525; May 5; Sp. p. 361; Dr. p. 75; Gaz. vol. 134; p. 66.
- Magaw, C. A. (See MacVicar and Magaw.)
- Mage, L. A. (See Thiriot, A. J. M., assignor.)
- Magee, W. J., St. Louis, Mo. Pressure and suction blower. No. 877,102; Jan. 21; Sp. p. 2914; Dr. p. 630; Gaz. vol. 132; p. 541.
- Magee, W. J., New York, N. Y. Attachment for horseshoes. No. 896,128; Aug. 18; Sp. p. 2684; Dr. p. 579; Gaz. vol. 135; p. 1382.
- Magen, E. (See Dobrick, C. L., assignor.)
- Magens, J. H., Hamburg, Germany. Preparing and storing concrete. No. 876,466; Jan. 14; Sp. p. 1576; Gaz. vol. 132; p. 289.
- Maggini, P. E., Los Angeles, Cal. Machine for making olive-oil. No. 890,079; June 9; Sp. p. 1769; Dr. p. 391; Gaz. vol. 134; p. 1371.
- Maggini, P. E., Los Angeles, Cal. Pressure-filter. No. 900,180; Oct. 6; Sp. p. 230; Dr. p. 47; Gaz. vol. 136; p. 1110.
- Magic Curler Company. (See Martin, J. F., assignor.)
- Magner, W. P., Paton, Iowa. Dough-raising cabinet. No. 879,395; Feb. 18; Sp. p. 3074; Dr. p. 639; Gaz. vol. 132; p. 1412.
- Magnett, A., and J. M. Clementson, Westfield, Iowa. Rim-compressor. No. 898,585; Sept. 15; Sp. p. 2708; Dr. p. 579; Gaz. vol. 136; p. 497.
- Magnus, E. C., assignor to Firm of F. Soennecken, Bonn, Germany. Copying-machine. No. 894,025; July 21; Sp. p. 3449; Dr. p. 705; Gaz. vol. 135; p. 600.
- Magnusen, J., Chicago, Ill. Hinge. No. 905,201; Dec. 1; Sp. p. 163; Gaz. vol. 137; p. 1009.
- Magnusson, C. A., Goldfield, Nev. Cross-head for shaft-mines. No. 890,365; June 9; Sp. p. 2373; Dr. p. 523; Gaz. vol. 134; p. 1465.
- Magnusson, W., Michigan City, Ind. Turn-table. No. 885,164; Apr. 21; Sp. p. 3078; Dr. p. 647; Gaz. vol. 133; p. 1738.
- Magnusson, M. L. (See Wangsness, J. A., assignor.)
- Magout, L. A., Paris, France. Change speed and reversing gear mechanism. No. 883,553; Mar. 31; Sp. p. 6148; Dr. p. 1307; Gaz. vol. 133; p. 1126.
- Magowan, F. A. (See Lambright, G., assignor.)
- Magrath, G., Whitinsville, Mass. Miter-box. No. 889,026; May 26; Sp. p. 5440; Dr. p. 1156; Gaz. vol. 134; p. 971.
- Maguire, F. R., assignor of one-half to C. P. Geary, New Florence, Pa. Cue-chalking device. No. 898,905; Sept. 15; Sp. p. 3304; Dr. p. 708; Gaz. vol. 136; p. 601.
- Maguolo, F. D., St. Louis, Mo. Display-cabinet. No. 879,782; Feb. 18; Sp. p. 3877; Dr. p. 813; Gaz. vol. 132; p. 1539.
- Magwire, F. A., Havre, Mont. Straw-chute and draft appliance. No. 889,027; May 26; Sp. p. 5442; Dr. pp. 1156-7; Gaz. vol. 134; p. 972.
- Magwire, H. H., Montpelier, Idaho. Furnace-door. No. 876,819; Jan. 14; Sp. p. 2296; Dr. p. 505; Gaz. vol. 132; p. 406.
- Mahar, M. P., Rouses Point, N. Y. Car-door fastener. No. 907,832; Dec. 29; Sp. p. 5361; Gaz. vol. 137; p. 1988.
- Maher, L. C., Philadelphia, Pa. Means for transmitting power from the axles of railway-cars. No. 881,599; Mar. 10; Sp. p. 2198; Dr. p. 479; Gaz. vol. 133; p. 399.
- Maher, M. M., East Liverpool, Ohio, assignor of one-half to C. A. Smith, Chester, W. Va. Compound double-acting explosive-engine. No. 898,243; Sept. 8; Sp. p. 2055; Dr. p. 437; Gaz. vol. 136; p. 355.
- Mahler, A. G., Medford, N. Y. Building-block. No. 900,753; Oct. 13; Sp. p. 1449; Dr. p. 295; Gaz. vol. 136; p. 1323.
- Mahler, C., New York, N. Y. Telephone-signal. No. 897,119; Aug. 25; Sp. p. 4733; Dr. p. 1008; Gaz. vol. 135; p. 1731.
- Mahler, P., Utica, Ill. Chicken-brooder. No. 890,149; June 9; Sp. p. 1914; Dr. p. 423; Gaz. vol. 134; p. 1395.
- Mahnke, W. J. (See Rowland and Mahnke.)
- Mahon, E. L., Bellaire Ohio. Rheostat. No. 885,935; Apr. 28; Sp. p. 4672; Dr. p. 984; Gaz. vol. 133; p. 2018.
- Mahoney, D. H., et al. (See Welsh, T. W., assignor.)
- Mahoney, D. J., Witoka, Minn. Gage for seed-planters and clamping means therefor. No. 897,839; Sept. 1; Sp. p. 1218; Dr. p. 260; Gaz. vol. 136; p. 193.
- Mahoney, J. B., Utica, N. Y. Card-index device. No. 892,170; June 30; Sp. p. 6060; Dr. p. 1303; Gaz. vol. 134; p. 2153.
- Mahoney, J. J., Chattanooga, Tenn., assignor to Cahill Iron Works. Receptacle and support therefor. No. 906,247; Dec. 8; Sp. p. 2228; Gaz. vol. 137; p. 1382.
- Mahoney, T. J., assignor of one-third to T. Bergman, Hot Springs, Ark. Spirit-level. No. 883,659; Mar. 31; Sp. p. 6349; Dr. p. 1353; Gaz. vol. 133; p. 1158.
- Mahony, F. C., New York, N. Y., and A. M. Hopey, Jr., Weehawken, N. J. Ice-boat. No. 905,202; Dec. 1; Sp. p. 164; Gaz. vol. 137; p. 1009.
- Mahony, W. F., et al. (See Taylor, C. R., assignor.)
- Mahony, W. F., Washington, D. C. Pneumatic dust-collector. No. 883,413; Mar. 31; Sp. p. 5856; Dr. p. 1248; Gaz. vol. 133; p. 1082.
- Mahony, W. F., Washington, D. C. Blotting-pad. No. 902,981; Nov. 3; Sp. p. 897; Gaz. vol. 137; p. 150.
- Mahood, C. P., Lynchburg, assignor of one-half to W. B. Muller, Norfolk, Va. Eaves-trough hanger. No. 890,429; June 9; Sp. p. 2487; Dr. p. 550; Gaz. vol. 134; p. 1485.
- Mahout, L. E., Paris, France. Transmission mechanism. No. 887,001; May 5; Sp. p. 1316; Dr. p. 277; Gaz. vol. 134; p. 218.
- Maibbaum, W., Cleveland, Ohio. Barber's cabinet. No. 885,497; Apr. 21; Sp. p. 3739; Dr. p. 787; Gaz. vol. 133; p. 1847.
- Maiche, L., Paris, France. Electric transformer. No. 890,781; June 16; Sp. p. 3240; Dr. p. 708; Gaz. vol. 134; p. 1634.
- Maier, L. H., assignor to J. H. Ludwig, New York, N. Y. Tracker or bridge for self-playing musical instruments. No. 883,728; Apr. 7; Sp. p. 96; Dr. p. 16; Gaz. vol. 133; p. 1208.
- Maier, J., Cleveland, Ohio. Door. No. 902,982; Nov. 3; Sp. p. 898; Gaz. vol. 137; p. 150.
- Maier, J. F., Broughton, Kans. Riding attachment for corn-planters. No. 901,181; Oct. 13; Sp. p. 2297; Dr. pp. 469-70; Gaz. vol. 136; p. 1461.

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- Maigne, O. J. (See Miles, G. S., assignor.)
- Maillard, H., Paris, France. Sparking device. No. 883,554; Mar. 31; Sp. p. 6151; Dr. p. 1307; Gaz. vol. 133; p. 1126.
- Main, A., Pittsfield, Ill. Wagon. No. 878,971; Feb. 11; Sp. p. 2228; Dr. p. 466; Gaz. vol. 132; p. 1234.
- Main Automatic Mailing Machine Company. (See Simpson, R. D., assignor.)
- Main, E. B., administratrix. (See Main, M. D.)
- Main, E. M., Brunswick, Me., assignor to Draper Company, Hopedale, Mass. Thread-cutting temple. No. 896,309; Aug. 18; Sp. p. 3042; Dr. p. 654; Gaz. vol. 135; p. 1441.
- Main, F. F., Columbus, Ohio. Writing-machine. No. 892,068; June 30; Sp. p. 5858; Dr. p. 1261; Gaz. vol. 134; p. 2119.
- Main, J. R., Callery, Pa. Machine for cutting and shaping metal. No. 886,382; May 5; Sp. p. 81; Dr. p. 17; Gaz. vol. 134; p. 18.
- Main, M. D., deceased, Cortland, N. Y.; E. B. Main, administratrix. Potato-digger. No. 906,811; Dec. 15; Sp. p. 3272; Gaz. vol. 137; p. 1587.
- Maine, H., Indianapolis, Ind. Fabric-cleaning apparatus. No. 890,568; June 9; Sp. p. 2749; Dr. p. 608; Gaz. vol. 134; p. 1530.
- Mainland, H. L., Dunedin, New Zealand. Animal-trap. No. 887,675; May 12; Sp. p. 2719; Dr. p. 575; Gaz. vol. 134; p. 469.
- Mair, W. B., Kettering, England. Self-aligning bearing for shafting. No. 889,704; June 2; Sp. p. 1014; Dr. p. 234; Gaz. vol. 134; p. 1221.
- Mait, J., Alameda, Cal. Concentrator. No. 879,481; Feb. 18; Sp. p. 3264; Dr. p. 680; Gaz. vol. 132; p. 1440.
- Maitland, J., *et al.* (See Meres, C. R., assignor.)
- Maitland, J., and W. J. Beattie, Cohoes; said Beattie assignor to H. S. Kennedy, Troy, N. Y. Die for folding-machines. No. 906,042; Dec. 8; Sp. p. 1824; Gaz. vol. 137; p. 1314.
- Maitland, L. G., Raton, N. Mex. Ter. Jack. No. 888,245; May 19; Sp. p. 3829; Dr. p. 804; Gaz. vol. 134; p. 685.
- Maize, H. G., Philadelphia, Pa. Dental casting-machine. No. 899,255; Sept. 22; Sp. p. 4006; Dr. p. 855; Gaz. vol. 136; p. 743.
- Majette, M., Columbia, N. C. Log-car standard. No. 898,244; Sept. 8; Sp. p. 2058; Dr. p. 437; Gaz. vol. 136; p. 355.
- Majorana, Q., Rome, Italy. Microphone apparatus for telephone and other circuits. No. 901,977; Oct. 27; Sp. p. 3990; Dr. p. 813; Gaz. vol. 136; p. 1790.
- Majors, G., trustee. (See Whiteside, D. I., assignor.)
- Maker, H., assignor of one-half to F. E. Downing, Hibbing, Minn. Attachment for hoisting-engines. No. 878,218; Feb. 4; Sp. p. 669; Dr. p. 138; Gaz. vol. 132; p. 954.
- Makutchan, W. H., Chicago, Ill. Roller-bearing. No. 904,343; Nov. 17; Sp. p. 3716; Gaz. vol. 137; p. 661.
- Malançon, R., London, England. Lock-joint for wall-slabs, bricks, tiles, or the like. No. 876,985; Jan. 21; Sp. p. 2662; Dr. p. 579; Gaz. vol. 132; p. 502.
- Malcolm, T., assignor to J. Tregoning, Hartford, Conn. Manufacture of fiber-board. No. 906,044; Dec. 8; Sp. p. 1828; Gaz. vol. 137; p. 1314.
- Malcolm, T., assignor to himself and J. Tregoning, Hartford, Conn. Manufacture of fiber-board. No. 906,043; Dec. 8; Sp. p. 1827; Gaz. vol. 137; p. 1314.
- Malcoot, H. L., Paris, France. Dirigible air-ship. No. 897,000; Aug. 25; Sp. p. 4494; Dr. pp. 959-60; Gaz. vol. 135; p. 1690.
- Maley, A. W., Leeds, England. Brake for rolling-stock of railways and tramways. No. 896,129; Aug. 18; Sp. p. 2686; Dr. pp. 579-80; Gaz. vol. 135; p. 1383.
- Maley, P. J., and J. E. Hills, New Haven, Conn. Coin-bank. No. 902,669; Nov. 3; Sp. p. 268; Gaz. vol. 137; p. 46.
- Malik, V., North Braddock, and E. W. Cook, Wilksburg, Pa. Combined railway-chair and rail-fastener. No. 887,488; May 12; Sp. p. 2376; Dr. p. 499; Gaz. vol. 134; p. 408.
- Mallings, C. J., Easthampton, Mass. Garment-holder. No. 892,752; July 7; Sp. p. 709; Dr. p. 150; Gaz. vol. 135; p. 122.
- Mallens, J. B., Jr. (See Lilleberg, C. L., assignor.)
- Mallet, A., Paris, France. Kinematograph and like apparatus. No. 891,430; June 23; Sp. p. 4554; Dr. p. 990; Gaz. vol. 134; p. 1877.
- Mallet, A., Paris, France. Safety attachment for kinematographs. No. 891,431; June 23; Sp. p. 4555; Dr. pp. 990-1; Gaz. vol. 134; p. 1878.
- Mallon, J., New Orleans, La. Chain conveyor. No. 888,918; May 26; Sp. p. 5246; Dr. p. 1113; Gaz. vol. 134; p. 939.
- Mallory, H. C., Chicago, Ill. Regulating heating systems. No. 893,339; July 14; Sp. p. 1909; Dr. pp. 399-400; Gaz. vol. 135; p. 343.
- Mallory, H. H., Chicago, Ill. Atomizer. No. 905,087; Nov. 24; Sp. p. 5243; Gaz. vol. 137; p. 935.
- Mallory, J. L., Evanston, Ill. Window-ventilator. No. 886,714; May 5; Sp. p. 776; Dr. p. 159; Gaz. vol. 134; p. 129.
- Mallory, J. L., Evanston, assignor to Chicago Grain Door Company, Chicago, Ill. Car-door bracket. No. 907,833; Dec. 29; Sp. p. 5362; Gaz. vol. 137; p. 1988.
- Mallory, L. W., Ione, Ore. Ruling-pen. No. 893,086; July 14; Sp. p. 1409; Dr. p. 298; Gaz. vol. 135; p. 261.
- Malloy, C. C., Los Angeles, Cal. Signal. No. 908,291; Dec. 29; Sp. p. 6323; Gaz. vol. 137; p. 2140.
- Malloy, E. T., Hamilton, Ohio. Smoke-house. No. 882,787; Mar. 24; Sp. p. 4552; Dr. p. 972; Gaz. vol. 133; p. 846.
- Malloy, J. F. (See Mason, J., assignor.)
- Malloy, J. M., Depot Harbor, Ontario, Canada. Coupling-head. No. 886,007; Apr. 28; Sp. p. 4826; Dr. p. 1014; Gaz. vol. 133; p. 2043.
- Malloy, M. A., Spokane, Wash. Stove attachment. No. 906,248; Dec. 8; Sp. p. 2229; Gaz. vol. 137; p. 1382.
- Malloye, F., San Francisco, Cal. Combination fresh and salt water hydrant. No. 897,755; Sept. 1; Sp. p. 1033; Dr. p. 220; Gaz. vol. 136; p. 167.
- Mally, T. Z., and A. Pelz, Chicago, Ill. Floor scrubber and polisher. No. 901,978; Oct. 27; Sp. p. 3994; Dr. p. 814; Gaz. vol. 136; p. 1790.
- Malmrose, C. F., assignor of one-half to N. A. Larson, Rock Island, Ill. Hitching-post. No. 901,311; Oct. 13; Sp. p. 2559; Dr. p. 527; Gaz. vol. 136; p. 1502.
- Malmstead, I. B., Worcester, Mass. Lady's hat-fastener. No. 890,675; June 16; Sp. p. 3600; Dr. p. 659; Gaz. vol. 134; p. 1598.
- Malmstrom, A. G., Chicago, Ill. Car-seal. No. 900,290; Oct. 6; Sp. p. 471; Dr. p. 97; Gaz. vol. 136; p. 1146.
- Malone, D. P., Rockwood, Ala. Combined hand and foot motor for churns. No. 880,229; Feb. 25; Sp. p. 4840; Dr. p. 1023; Gaz. vol. 132; p. 1720.
- Malone, D. P., Rockwood, Ala. Fence-making machine. No. 884,182; Apr. 7; Sp. p. 1080; Dr. p. 204; Gaz. vol. 133; p. 1359.
- Malone, E. P., Manchester, Iowa. Gate. No. 887,676; May 12; Sp. p. 2721; Dr. p. 575; Gaz. vol. 134; p. 469.
- Malone, F. M., *et al.* (See Wilson, G. W., assignor.)
- Malone, O. P., Brooklyn, N. Y., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Packing and display receptacle. No. 896,061; Aug. 11; Sp. p. 2561; Dr. p. 553; Gaz. vol. 135; p. 1340.
- Maloney, J. C., Chicago, Ill. Checking device for lunch-counters, &c. No. 882,399; Mar. 17; Sp. p. 3799; Dr. p. 811; Gaz. vol. 133; p. 686.
- Maloney, M. H., Chelsea, Mass. Spinning-ring. No. 897,384; Sept. 1; Sp. p. 295; Dr. p. 60; Gaz. vol. 136; p. 45.
- Maloney, M. J. (See Woodard, J. H., assignor.)
- Maloney, M. J., Missoula, Mont. Slide-valve. No. 892,278; June 30; Sp. p. 6267; Dr. p. 1349; Gaz. vol. 134; p. 2189.
- Malooft, T. S. N. (See Sabbag, L. G., assignor.)
- Malott, W., Toronto, Ontario, Canada. Weather-strip for doors. No. 896,310; Aug. 18; Sp. p. 3043; Dr. p. 654; Gaz. vol. 135; p. 1442.
- Maloy, J., and A. White, assignors of one-third to F. J. McFarland, Dunbar, Pa. Stuffing-box for throttles and valve-stems. No. 878,009; Feb. 4; Sp. p. 223; Dr. p. 49; Gaz. vol. 132; p. 887.
- Malsin, A., New York, N. Y. Amusement apparatus. No. 889,472; June 2; Sp. p. 578; Dr. p. 135; Gaz. vol. 134; p. 1148.
- Malsin, A., New York, N. Y. Clothes-line support. No. 893,633; July 21; Sp. p. 2560; Dr. p. 534; Gaz. vol. 135; p. 470.
- Malsin, A., New York, N. Y. Amusement apparatus. No. 898,056; Sept. 8; Sp. p. 1693; Dr. p. 359; Gaz. vol. 136; p. 296.
- Maltbie, W. H., Baltimore, Md. Puzzle. No. 876,820; Jan. 14; Sp. p. 2298; Dr. p. 505; Gaz. vol. 132; p. 406.
- Maltby, C. C., assignor to Twinlock Company, Cincinnati, Ohio. Temporary binder. No. 898,245; Sept. 8; Sp. p. 2060; Dr. p. 438; Gaz. vol. 136; p. 355.
- Maltby, C. C., Cincinnati, and A. Dom, Hartwell, assignors to Twinlock Company, Cincinnati, Ohio. Loose-leaf binder. No. 905,726; Dec. 1; Sp. p. 1206; Gaz. vol. 137; p. 1180.
- Maltby, J., assignor to Waterbury Buckle Co., Waterbury, Conn. Buckle. No. 894,514; July 28; Sp. p. 4460; Dr. p. 924; Gaz. vol. 135; p. 781.
- Maltitz, E. von, Chicago, Ill. Purifying iron. No. 879,480; Feb. 18; Sp. p. 3260; Dr. p. 679; Gaz. vol. 132; p. 1440.
- Maly, J., Dresden, Germany. Gas-producer. No. 906,812; Dec. 15; Sp. p. 3274; Gaz. vol. 137; p. 1587.
- Mambourg Glass Sheet Machine Company. (See Mambourg and Houze, assignors.)
- Mambourg, L., and U. Houze, assignors to Mambourg Glass Sheet Machine Company, Mount Vernon, Ohio. Glass-producing system. No. 894,026; July 21; Sp. p. 3450; Dr. pp. 705-6; Gaz. vol. 135; p. 600.
- Mamet, J. F., Billancourt, and P. Hallot, Vincennes, France. Saddle-support for cycles. No. 886,227; Apr. 28; Sp. p. 5241; Dr. p. 1104; Gaz. vol. 133; p. 2138.
- Mammen, L. W., Chicago, Ill. Gearing for washing-machines. No. 887,825; May 19; Sp. p. 3036; Dr. p. 638; Gaz. vol. 134; p. 549.
- Manabran Laxative Biscuit Company. (See Heintz, J. P. E., assignor.)
- Manahan, J. P., Red Bank, N. J. Digging implement. No. 902,983; Nov. 3; Sp. p. 900; Gaz. vol. 137; p. 150.
- Manahan, T., New York, N. Y. Closure for bags. No. 890,366; June 9; Sp. p. 2374; Dr. p. 523; Gaz. vol. 134; p. 1465.
- Manahan, T., New York, N. Y. Closure for bags. No. 905,897; Dec. 8; Sp. p. 1553; Gaz. vol. 137; p. 1268.
- Manary, R. (See Carlson, J. W., assignor.)
- Manciu, T., Iglau, Austria-Hungary. Apparatus for the automatic discharge of firearms on attaining a predetermined elevation. No. 877,850; Jan. 28; Sp. p. 4391; Dr. p. 956; Gaz. vol. 132; p. 805.
- Mandel, L., Chicago, Ill. Bezel and construction thereof. No. 907,156; Dec. 22; Sp. p. 3938; Gaz. vol. 137; p. 1732.

Alphabetical list of patentees—Continued.

- Mandel, L., Chicago, Ill. Magazine developing-camera. No. 907,515; Dec. 22; Sp. p. 4670; Gaz. vol. 137; p. 1853.
- Mandell, A. A., Boston, and I. F. Mandell, South Framingham, Mass. Corner-buckler for paper-sheet-feeding machines. No. 902,591; Nov. 3; Sp. p. 126; Gaz. vol. 127; p. 21.
- Mandell, I. F. (See Mandell, A. A. and I. F.)
- Mandeville, I., assignor to Durand & Co., Newark, N. J. Clasp. No. 879,282; Feb. 18; Sp. p. 2836; Dr. p. 595; Gaz. vol. 132; p. 1376.
- Mandt, M. G., assignor of one-fifth to E. K. Loverud and one-half to C. Olson, Stoughton, Wis. Concrete-building wall. No. 901,017; Oct. 13; Sp. p. 2010; Dr. p. 408; Gaz. vol. 136; p. 1410.
- Mandlik, F. L., Burton, Ohio. Means for cooling explosive-engines. No. 885,498; Apr. 21; Sp. p. 3740; Dr. p. 787; Gaz. vol. 133; p. 1847.
- Maness, W. C., Laredo, Tex. Lubricator. No. 900,181; Oct. 6; Sp. p. 233; Dr. p. 47; Gaz. vol. 136; p. 1110.
- Manford, J. E., Frankfort, Ky. Farm-gate. No. 876,206; Jan. 7; Sp. p. 1006; Dr. p. 218; Gaz. vol. 132; p. 171.
- Mangan, M. R. (See Richardson, H., assignor.)
- Manganese Steel Safe Company. (See Fish, S. W., assignor.)
- Mangels, W. F., New York, N. Y. Carving-machine. No. 895,383; Aug. 4; Sp. p. 1208; Dr. pp. 254-5; Gaz. vol. 135; p. 1096.
- Mangle, S., Boston, Mass. Automatic firearm. No. 896,453; Aug. 18; Sp. p. 3328; Dr. pp. 716-17; Gaz. vol. 135; p. 1488.
- Mango, L. (See Mango, N. V. and L.)
- Mango, N. V. and L., Union Hill, N. J. Cuspidor-support. No. 895,281; Aug. 4; Sp. p. 1031; Dr. p. 215; Gaz. vol. 135; p. 1064.
- Manhattan Briar Pipe Company. (See O'Sullivan, W., assignor.)
- Manhattan Machine Supply Company. (See Miller, W. V., assignor.)
- Manhattan Screw and Stamping Works. (See Sussman, L., assignor.)
- Manheimer, S., *et al.* (See Kasse, A., assignor.)
- Mani, J. L. (See Mani, M. and J. L.)
- Mani, M. and J. L., Peoria, Ill. Scaffold-bracket. No. 905,339; Dec. 1; Sp. p. 408; Gaz. vol. 137; p. 1054.
- Maniez, C. A., Bay City, Mich. Safety device for faucets, stop-cocks, &c. No. 887,826; May 19; Sp. p. 3037; Dr. p. 638; Gaz. vol. 134; p. 549.
- Manifold, H. F., Avondale, Ala. Flask-hinge. No. 881,325; Mar. 10; Sp. p. 1662; Dr. p. 356; Gaz. vol. 133; p. 310.
- Manker, C. A., Pearl, Ill. Massaging-machine. No. 884,027; Apr. 7; Sp. p. 726; Dr. p. 147; Gaz. vol. 133; p. 1308.
- Manley, H. F., Victor, N. Y. Envelop-fastener. No. 883,035; Mar. 24; Sp. p. 5053; Dr. p. 1077; Gaz. vol. 133; p. 927.
- Manley, R. E., Hanover, Pa. Apparatus for maintaining the tension of a moving wire. No. 881,812; Mar. 10; Sp. p. 2615; Dr. pp. 561-2; Gaz. vol. 133; p. 466.
- Manley, R. E., Hanover, Pa. Apparatus for applying armature-bands. No. 895,384; Aug. 4; Sp. p. 1211; Dr. p. 255; Gaz. vol. 135; p. 1096.
- Manley, R. H., San Francisco, Cal. Ore-concentrator. No. 881,013; Mar. 3; Sp. p. 1051; Dr. p. 227; Gaz. vol. 133; p. 179.
- Manley, R. H., Stockton, Cal. Concentrator. No. 899,312; Sept. 22; Sp. p. 4100; Dr. p. 876; Gaz. vol. 136; p. 760.
- Manley, T., Prince Albert, Saskatchewan, Canada. Single-tooth dog for gripping logs. No. 877,208; Jan. 21; Sp. p. 3150; Dr. p. 683; Gaz. vol. 132; p. 579.
- Manlove, G. B., Chicago, Ill. Gate-hinge. No. 904,791; Nov. 24; Sp. p. 4658; Gaz. vol. 137; p. 837.
- Mann, B. F., Baltimore, Md. Can-making machine. No. 881,326; Mar. 10; Sp. p. 1663; Dr. pp. 356-7; Gaz. vol. 133; p. 510.
- Mann, C. E., Hoopesville, Ill. Cleaning attachment for feed-water pipes. No. 875,832; Jan. 7; Sp. p. 290; Dr. p. 63; Gaz. vol. 132; p. 54.
- Mann, C. H., Delta, Ohio. Revolver. No. 907,069; Dec. 15; Sp. p. 3752; Gaz. vol. 137; p. 1668.
- Mann, E. A. (See Mann, G. H. and E. A.)
- Mann, F. J., Scranton, Pa., assignor to Self-Heating Soldering Iron Company. Self-heating soldering-iron. No. 900,561; Oct. 6; Sp. p. 1057; Dr. p. 217; Gaz. vol. 136; p. 1234.
- Mann, G. E., assignor of one-half to J. A. Brennan, Randolph, Mass. Insole. No. 884,985; Apr. 14; Sp. p. 2684; Dr. p. 571; Gaz. vol. 133; p. 1647.
- Mann, G. H. and E. A., St. Johns, Mich. Holder. No. 908,292; Dec. 29; Sp. p. 6324; Gaz. vol. 137; p. 2140.
- Mann, H. (See Morton and Mann.)
- Mann, H. (See Shepard and Mann.)
- Mann, H. J., St. Joseph, Mo. Gearing for traction-engines. No. 907,260; Dec. 22; Sp. p. 4182; Gaz. vol. 137; p. 1769.
- Mann, J., Gridley, Cal. Poison-distributor. No. 890,430; June 9; Sp. p. 2488; Dr. p. 551; Gaz. vol. 134; p. 1486.
- Mann, J. A., *et al.* (See Beauchemin, L. N., assignor.)
- Mann, K., Zurich, Switzerland. Producing fat and oil preparations. No. 880,316; Feb. 25; Sp. p. 5002; Gaz. vol. 132; p. 1748.
- Mann, K. E., Baltimore, Md. Lady's and child's hat. No. 878,219; Feb. 4; Sp. p. 671; Dr. p. 138; Gaz. vol. 132; p. 955.
- Mann, M., assignor to Band-Industrie Gesellschaft mit beschränkter Haftung, Barmen, Germany. Collar-stiffener. No. 876,369; Jan. 14; Sp. p. 1353; Dr. p. 295; Gaz. vol. 132; p. 253.
- Mann, M. H., Louisiana, Mo. Card-printing machine. No. 896,062; Aug. 11; Sp. p. 2562; Dr. pp. 553-5; Gaz. vol. 135; p. 1340.
- Mann, M. H., assignor to F. W. Buffum, trustee, Louisiana, Mo. Printing-machine. No. 905,548; Dec. 1; Sp. p. 886; Gaz. vol. 137; p. 1125.
- Mann, M. H., assignor to F. W. Buffum, trustee, Louisiana, Mo. Inking apparatus for printing-machines. No. 907,070; Dec. 15; Sp. p. 3753; Gaz. vol. 137; p. 1668.
- Mann, O. F., Indianapolis, Ind. Window-frame. No. 887,407; May 12; Sp. p. 2206; Dr. p. 461; Gaz. vol. 134; p. 381.
- Mann, W. G., assignor to Perkins Electric Switch Mfg. Company, Bridgeport, Conn. Push-button electric switch. No. 876,207; Jan. 7; Sp. p. 1008; Dr. p. 219; Gaz. vol. 132; p. 172.
- Manners, W. F., Parker, Kans. Fly-guard. No. 880,554; Mar. 3; Sp. p. 121; Dr. p. 27; Gaz. vol. 133; p. 25.
- Manneschmidt, J., Jr., Brooklyn, N. Y. Blow-off device for domestic boilers. No. 899,830; Sept. 23; Sp. p. 5143; Dr. p. 1100; Gaz. vol. 136; p. 965.
- Mannewitz, A. M., Dallas, Tex. Fuel-briguet. No. 881,192; Mar. 10; Sp. p. 1389; Gaz. vol. 133; p. 266.
- Manning, Bowman & Company. (See Savage, G. E., assignor.)
- Manning, C., assignor of one-third to M. Lehtikinen, Brackenridge, Pa. Wrench. No. 881,083; Mar. 3; Sp. p. 1179; Dr. p. 255; Gaz. vol. 133; p. 201.
- Manning, E. H., Elkhart, Ind. Frictional power-transmission device. No. 903,744; Nov. 10; Sp. p. 2412; Gaz. vol. 137; p. 424.
- Manning, E. H., Elkhart, Ind. Frictional power-transmission device. No. 908,293; Dec. 29; Sp. p. 6325; Gaz. vol. 137; p. 2140.
- Manning, I. F., Ottawa, Ill. Endless conveyer-belt. No. 878,050; Feb. 11; Sp. p. 1631; Dr. p. 333; Gaz. vol. 132; p. 1133.
- Manning, S. H., Wilton, Ky. Padlock. No. 896,843; Aug. 25; Sp. p. 4145; Dr. p. 888; Gaz. vol. 135; p. 1639.
- Manning, T. M., Rome, Ga. Plow. No. 904,546; Nov. 24; Sp. p. 4139; Gaz. vol. 137; p. 755.
- Manning, W. H., Brookline, Mass. Postal-card holder. No. 907,615; Dec. 22; Sp. p. 4905; Gaz. vol. 137; p. 1884.
- Manny, E. A., Beauharnois, Quebec, Canada. Cattle-guard. (Reissue.) No. 12,818; June 23; Sp. p. 5338; Dr. p. 1155; Gaz. vol. 134; p. 2004.
- Manny, I. F., assignor to Manny Signal Company, Milwaukee, Wis. Selective signaling device. No. 902,099; Oct. 27; Sp. p. 4240; Dr. pp. 859-60; Gaz. vol. 136; p. 1828.
- Manny Signal Company. (See Manny, I. F., assignor.)
- Manor, C. E., Stanleyton, assignor of one-half to J. D. Manor, Newmarket, Va. Grain-scrubber. No. 885,499; Apr. 21; Sp. p. 3743; Dr. p. 788; Gaz. vol. 133; p. 1848.
- Manor, J. D. (See Manor, C. E., assignor.)
- Manor, L. (See Fiers and Manor.)
- Mansbridge, G. F., Sanderstead, England. Iron-free variable inductance. No. 893,340; July 14; Sp. p. 1913; Dr. p. 400; Gaz. vol. 135; p. 344.
- Mansfield, A. K., Batavia, Ill. Water-column. No. 895,165; Apr. 21; Sp. p. 3079; Dr. pp. 647-8; Gaz. vol. 133; p. 1739.
- Mansfield, G. L., Chicago, Ill. Switch-stand. No. 892,753; July 7; Sp. p. 710; Dr. p. 150; Gaz. vol. 135; p. 122.
- Manshardt, G. A., Naperville, Ill. Combination gas and gasoline burner. No. 907,698; Dec. 22; Sp. p. 5101; Gaz. vol. 137; p. 1914.
- Manson, J. P., Hartland, Me. Combined fender and track-cleaner. No. 881,600; Mar. 10; Sp. p. 2199; Dr. p. 479; Gaz. vol. 133; p. 399.
- Manson, R. H., assignor to Dean Electric Company, Elyria, Ohio. Electrical signaling and switching apparatus. No. 878,465; Feb. 4; Sp. p. 1142; Dr. p. 234; Gaz. vol. 132; p. 1036.
- Manson, R. H., assignor to Dean Electric Company, Elyria, Ohio. Operator's selective ringing-key for telephone systems. No. 887,260; May 12; Sp. p. 1838; Dr. pp. 388-9; Gaz. vol. 134; p. 329.
- Manson, R. H., assignor to Dean Electric Company, Elyria, Ohio. Electrical signaling and switching apparatus. No. 887,261; May 12; Sp. p. 1842; Dr. p. 389; Gaz. vol. 134; p. 330.
- Manson, R. H., assignor to Dean Electric Company, Elyria, Ohio. Telephone desk set. No. 900,404; Oct. 6; Sp. p. 698; Dr. pp. 144-5; Gaz. vol. 136; p. 1182.
- Manson, R. H., assignor to Dean Electric Company, Elyria, Ohio. Telephone-exchange system. No. 900,676; Oct. 6; Sp. p. 1300; Dr. pp. 266-7; Gaz. vol. 136; p. 1273.
- Mansur, M. D., Ashland, Me. Hasp-fastener. No. 894,335; July 28; Sp. p. 4104; Dr. p. 847; Gaz. vol. 135; p. 723.
- Manstefel, A., Chicago, Ill. Combined picture and stovepipe holder. No. 883,182; May 19; Sp. p. 3716; Dr. p. 777; Gaz. vol. 134; p. 663.
- Manthey, R., Jersey City, N. J. Stem-winding watch. No. 878,220; Feb. 4; Sp. p. 672; Dr. pp. 138-9; Gaz. vol. 132; p. 955.
- Manton, J., Clairton, Pa. Automatic cylinder-valve. No. 889,535; June 2; Sp. p. 693; Dr. p. 159; Gaz. vol. 134; p. 1168.

Alphabetical list of patentees—Continued.

- Manufacturers Machine Company. (See Bohr, N. C., assignor.)
 Manufacturers Machine Company. (See Cummings, H. H., assignor.)
 Manufacturers Machine Company. (See English, A. M., assignor.)
 Manufacturers Machine Company. (See Heys, J. J., assignor.)
 Manufacturers Machine Company. (See Plant, T. G., assignor.)
 Manz Co., J. G. (See Lewis, O. E., assignor.)
 Manzel, C. W., assignor to Standard Automatic Lubricator Co., Buffalo, N. Y. Motor. No. 881,935; Mar. 17; Sp. p. 2903; Dr. pp. 619-20; Gaz. vol. 133; p. 536.
 Manzo, A., Paterson, N. J. Ash-sifter. No. 881,601; Mar. 10; Sp. p. 2202; Dr. p. 480; Gaz. vol. 133; p. 400.
 Mapel, C. O., Chicago, Ill., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 893,182; July 14; Sp. p. 1608; Dr. p. 341; Gaz. vol. 135; p. 292.
 Mapes, C. E., New York, N. Y. Rubber shoe. No. 892,171; June 30; Sp. p. 6062; Dr. p. 1303; Gaz. vol. 134; p. 2153.
 Mapes, C. M., New York, N. Y. Fastening for railway-ties. No. 884,941; Apr. 14; Sp. p. 2599; Dr. p. 548; Gaz. vol. 133; p. 1633.
 Mapes, C. T., Grafton, Pa. Underreamer. No. 904,344; Nov. 17; Sp. p. 3718; Gaz. vol. 137; p. 661.
 Maplebay Manufacturing Company. (See Folts, H. J., assignor.)
 Maplebay Wind Stacker Company. (See Felsing, S. D., assignor.)
 Maples, R. A., Clinton, Iowa. Explosive-engine. No. 905,727; Dec. 1; Sp. p. 1209; Gaz. vol. 137; p. 1180.
 Maples, R. A., Clinton, Iowa. Explosive-engine. No. 905,822; Dec. 1; Sp. p. 1399; Gaz. vol. 137; p. 1213.
 Mapp, T. H., Surry Hills, near Sydney, New South Wales, Australia. Hydraulic press. No. 876,821; Jan. 14; Sp. p. 2299; Dr. p. 505; Gaz. vol. 132; p. 407.
 Mar, J. E. (See Denison, J. F., assignor.)
 Marazzani, S. A., Palermo, Italy. Ring of removable mail-cover for pneumatic tires. No. 891,557; June 23; Sp. p. 4814; Dr. p. 1039; Gaz. vol. 134; p. 1919.
 Marble, A. D., *et al.* (See Le Compte, J., assignor.)
 Marble, F. E. E., and C. A. Hammar, Worcester, Mass. Tool-holder. No. 905,898; Dec. 8; Sp. p. 1554; Gaz. vol. 137; p. 1268.
 Marble, G. W. (See Donaldson and Marble.)
 Marble, G. W., *et al.* (See Hay, J. D., assignor.)
 Marble, W. L., Gladstone, Mich. Compound tool. No. 890,150; June 9; Sp. p. 1916; Dr. p. 423; Gaz. vol. 134; p. 1395.
 Marble, W. L., Gladstone, Mich. Rear sight. No. 894,275; July 28; Sp. p. 3986; Dr. p. 822; Gaz. vol. 135; p. 703.
 Marble, W. P., Cambridge, Mass. Valve-handle. No. 899,117; Sept. 22; Sp. p. 3693; Dr. p. 792; Gaz. vol. 136; p. 697.
 Marble, W. P., Cambridge, Mass. Valve-handle. No. 899,118; Sept. 22; Sp. p. 3695; Dr. p. 792; Gaz. vol. 136; p. 698.
 Marceau, C. N., Ogdensburg, N. Y. Device for coloring motion-pictures. No. 906,813; Dec. 15; Sp. p. 3276; Gaz. vol. 137; p. 1587.
 March, P. J. (See Few, F. C., assignor.)
 Marchal, C. A., assignor to Societe Anonyme des Usines A. E. Decouffe, Paris, France. Cigarette-machine. No. 903,101; Nov. 3; Sp. p. 1133; Gaz. vol. 137; p. 185.
 Marcks, A., Dellbrück, near Cologne, Germany. Chimney. No. 887,677; May 12; Sp. p. 2722; Dr. p. 575; Gaz. vol. 134; p. 469.
 Marconi, G., London, England, assignor to Marconi Wireless Telegraph Company of America. Wireless telegraphy. No. 884,986; Apr. 14; Sp. p. 2685; Dr. p. 571; Gaz. vol. 133; p. 1647.
 Marconi, G., London, England, assignor to Marconi Wireless Telegraph Company of America. Wireless telegraphy. No. 884,987; Apr. 14; Sp. p. 2689; Dr. p. 571; Gaz. vol. 133; p. 1647.
 Marconi, G., London, England, assignor to Marconi Wireless Telegraph Company of America. Detecting electrical oscillations. No. 884,988; Apr. 14; Sp. p. 2691; Dr. p. 571; Gaz. vol. 133; p. 1648.
 Marconi, G., London, England, assignor to Marconi Wireless Telegraph Company of America. Wireless telegraphy. No. 884,989; Apr. 14; Sp. p. 2694; Dr. p. 572; Gaz. vol. 133; p. 1648.
 Marconi, G., London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Receiver for wireless telegraphy. No. 896,130; Aug. 18; Sp. p. 2688; Dr. p. 580; Gaz. vol. 135; p. 1383.
 Marconi Wireless Telegraph Company of America. (See Marconi G., assignor.)
 Marconnet, G., Paris, France. Gas-producing apparatus. No. 906,441; Dec. 8; Sp. p. 2578; Gaz. vol. 137; p. 1443.
 Marcus, S. L., Tallahassee, Fla. Folding car-step. No. 902,670; Nov. 3; Sp. p. 269; Gaz. vol. 137; p. 46.
 Marcuse, I. J., Richmond, Va., assignor to American Can Company, New York, N. Y. Sheet-metal pocket-box. No. 898,125; Sept. 8; Sp. p. 1822; Dr. p. 387; Gaz. vol. 136; p. 318.
 Marcy, G. D., Dorchester, Mass. Pneumatic tool. No. 878,548; Feb. 11; Sp. p. 1392; Dr. p. 286; Gaz. vol. 132; p. 1098.
 Marcy, G. D. W. (See Naylor, H. J., assignor.)
 Mard, C. (See Westlund and Mard.)
 Marden, A. H., North Cambridge, Mass. Sash-holder. No. 884,099; Apr. 7; Sp. p. 872; Dr. p. 183; Gaz. vol. 133; p. 1332.
 Mardorf, A. E., Denver, Colo. Bottle-stopper. No. 890,523; June 8; Sp. p. 2660; Dr. p. 587; Gaz. vol. 134; p. 1514.
 Marer, H., assignor to Monitory Scale Company, Incorporated, Louisville, Ky. Monitory combination weighing-scale. No. 876,986; Jan. 21; Sp. p. 2664; Dr. p. 579; Gaz. vol. 132; p. 502.
 Marga, U., Dieghem, near Brussels, Belgium. Firearm. No. 908,294; Dec. 29; Sp. p. 6329; Gaz. vol. 137; p. 2141.
 Margerison, A. E. (See Margerison, W. H. and A. E.)
 Margerison, W. H. and A. E., Philadelphia, Pa. Double-faced woven fabric. No. 903,595; Nov. 10; Sp. p. 2134; Gaz. vol. 137; p. 378.
 Marggraff, F., Augusta, Ky. Curtain-fastener. No. 892,439; July 7; Sp. p. 93; Dr. p. 21; Gaz. vol. 135; p. 20.
 Marglieth, A. W. (See Stump, I. E., assignor.)
 Margolis, H., Chicago, Ill. Check-operated feeder for vending-machines and the like. No. 889,628; June 2; Sp. p. 859; Dr. p. 196; Gaz. vol. 134; p. 1198.
 Margolius, D., Norfolk, Va. Bale-tie. No. 902,984; Nov. 3; Sp. p. 901; Gaz. vol. 137; p. 151.
 Margulis, M., Odessa, Russia. Accumulator-plate. No. 884,028; Apr. 7; Sp. p. 729; Dr. p. 147; Gaz. vol. 133; p. 1308.
 Margulis, P. H., New York, N. Y. Heelless overshoe. No. 885,628; Apr. 21; Sp. p. 4017; Dr. p. 839; Gaz. vol. 133; p. 1887.
 Marien, C. A., St. Louis, Mo. Cushion-tire wheel. No. 879,186; Feb. 18; Sp. p. 2662; Dr. p. 555; Gaz. vol. 132; p. 1345.
 Marietta Glass Company. (See Apple and Buttler, assignors.)
 Marilly, E. M. A., Bolandoz, France. Lifting or hoisting gear for lifting forage, grain-bags, &c. No. 880,230; Feb. 25; Sp. p. 4842; Dr. p. 1024; Gaz. vol. 132; p. 1721.
 Marine Hardware Company. (See Warren, F. A., Jr., assignor.)
 Mariner, A. L., Medford, assignor of three-fourths to S. W. Marvin, H. C. Whittemore, Cambridge, and C. G. Wells, Jamaica Plain, Mass. Eyeglass-case. No. 877,441; Jan. 21; Sp. p. 3599; Dr. p. 779; Gaz. vol. 132; p. 654.
 Marino, P., London, England. Rendering celluloid unflammable and incombustible. No. 893,634; July 21; Sp. p. 2562; Gaz. vol. 135; p. 470.
 Marion Incline Filter and Heater Company. (See Packard and Reidenbaugh, assignors.)
 Marion Incline Filter and Heater Company. (See Stump, Reidenbaugh, and Packard, assignors.)
 Marion Steam Shovel Company. (See King, G. W., assignor.)
 Marjenhoff, A. J. R., Charleston, S. C. Rail cleaning and scraping device. No. 892,172; June 30; Sp. p. 6063; Dr. p. 1304; Gaz. vol. 134; p. 2154.
 Mark Cross Company. (See Fasig, A., assignor.)
 Mark, J. S., Adel, Iowa. Band, band-fastener, and seal combined. No. 899,997; Sept. 29; Sp. p. 5504; Dr. p. 1173; Gaz. vol. 136; p. 1018.
 Mark, W. N., Cloverdale, Ind. Farm-gate. No. 886,383; May 5; Sp. p. 83; Dr. p. 17; Gaz. vol. 134; p. 18.
 Markel, C., Clinton, Iowa. Pedestal for car-trucks. No. 898,906; Sept. 15; Sp. p. 3306; Dr. p. 709; Gaz. vol. 136; p. 601.
 Markel, H. R., Dayton, Ohio. Insulator. No. 878,302; Feb. 4; Sp. p. 839; Dr. p. 167; Gaz. vol. 132; p. 983.
 Marker, S. A., Newark, N. J. Golf-bag. No. 877,353; Jan. 21; Sp. p. 3423; Dr. pp. 742-3; Gaz. vol. 132; p. 624.
 Markey, W. A., Moundsville, W. Va. Door-lock. No. 878,972; Feb. 11; Sp. p. 2229; Dr. pp. 466-7; Gaz. vol. 132; p. 1235.
 Markey, W. A., Moundsville, W. Va. Hinge. No. 889,798; June 2; Sp. p. 1181; Dr. p. 273; Gaz. vol. 134; p. 1251.
 Markham Air Rifle Company. (See Markham and Roe, assignors.)
 Markham Air Rifle Company. (See Polley, D. F., assignor.)
 Markham, C. M., Chicago, Ill. Form for concrete construction. No. 903,996; Nov. 17; Sp. p. 2961; Gaz. vol. 137; p. 541.
 Markham, D. C., Port Leyden, N. Y. Hand-truck. No. 900,405; Oct. 6; Sp. p. 702; Dr. p. 145; Gaz. vol. 136; p. 1183.
 Markham, W. D., assignor of one-half to W. B. Morley, Friar Point, Miss. Lamp attachment. No. 886,323; Apr. 28; Sp. p. 5447; Dr. p. 1142; Gaz. vol. 133; p. 2148.
 Markham, W. D., assignor of one-half to J. J. Slack, Friar Point, Miss. Tire-shrinker. No. 890,587; June 9; Sp. p. 2801; Dr. p. 617; Gaz. vol. 134; p. 1537.
 Markham, W. F., and E. S. Roe, assignors to Markham Air Rifle Company, Plymouth, Mich. Combined frame and false barrel for guns. No. 876,370; Jan. 14; Sp. p. 1354; Dr. p. 295; Gaz. vol. 132; p. 256.
 Markham, W. F., and E. S. Roe, assignors to Markham Air Rifle Company, Plymouth, Mich. Gun. No. 880,555; Mar. 3; Sp. p. 123; Dr. p. 27; Gaz. vol. 133; p. 25.
 Markle, W. P. (See Haughwout, J. W., assignor.)

Alphabetical list of patentees—Continued.

- Markley, J. H., Peoria, Ill. Signal-tower. No. 890,916; June 16; Sp. p. 3496; Dr. pp. 766-7; Gaz. vol. 134; p. 1677.
- Markman, J., Pittsburg, Pa. Automobile-lamp. No. 901,921; Oct. 20; Sp. p. 3859; Dr. p. 787; Gaz. vol. 136; p. 1740.
- Markoe, J. A., White Bear, Minn. Envelop-sealing machine. No. 891,277; June 23; Sp. p. 4233; Dr. p. 927; Gaz. vol. 134; p. 1827.
- Markoff, E. E. (See Barad and Markoff.)
- Markovitz, J. G. (See Meissl, I., assignor.)
- Marks, C. E., Virginia Beach, assignor of one-fourth to A. M. Wheeler, Norfolk, Va. Trolley head and harp. No. 904,491; Nov. 17; Sp. p. 4026; Gaz. vol. 137; p. 709.
- Marks, J. O., Kingman, Ind. Hand-operating gate. No. 896,648; Aug. 18; Sp. p. 3699; Dr. p. 795; Gaz. vol. 135; p. 1549.
- Marks, R., New York, N. Y. Combined abdominal bandage and corset. No. 906,249; Dec. 8; Sp. p. 2231; Gaz. vol. 137; p. 1382.
- Marks, R. C., assignor of three-eighths to R. H. Gunnis, O. J. Winston, and W. W. Whitson, San Diego, Cal. Rotating explosion-engine. No. 895,653; Aug. 11; Sp. p. 1746; Dr. p. 369; Gaz. vol. 135; p. 1208.
- Marks, V., Campbellford, Ontario, Canada. Holder for pillow-shams. No. 898,126; Sept. 8; Sp. p. 1823; Dr. p. 387; Gaz. vol. 136; p. 318.
- Markussen, H., assignor of one-half to P. Ratti, Flemington, N. J. Rail-joint. No. 898,412; Sept. 8; Sp. p. 2361; Dr. p. 504; Gaz. vol. 136; p. 409.
- Markwell, A. F., Dana, Ind. Mail-bag-delivery apparatus. No. 888,518; May 26; Sp. p. 4381; Dr. p. 928; Gaz. vol. 134; p. 804.
- Marles, H., Manor Park, England. Bottle or other receptacle and stopper or cover for such receptacles. No. 904,705; Nov. 24; Sp. p. 4459; Gaz. vol. 137; p. 808.
- Marlin Fire Arms Company. (See Hepburn, L. L., assignor.)
- Marlin Firearms Company. (See Hepburn, L. L., assignor.) (Reissue.)
- Marlin Firearms Company. (See Hepburn, M., assignor.)
- Marlow, A. A., Boundbrook, N. J. Cooling and condensing tower. No. 882,330; Mar. 17; Sp. p. 3636; Dr. p. 782; Gaz. vol. 133; p. 664.
- Marlow, C. D., Dunellen, N. J. Sifter. No. 878,973; Feb. 11; Sp. p. 2230; Dr. p. 467; Gaz. vol. 132; p. 1235.
- Marmetschke, E., assignor to H. Brünig, Schöpfung, near Eberswalde, Germany. Impregnating timber and the like. No. 898,246; Sept. 8; Sp. p. 2061; Gaz. vol. 136; p. 356.
- Marot, R., Paris, France. Apparatus for producing a gaseous mixture having disinfecting and extinguishing properties. No. 883,036; Mar. 24; Sp. p. 5054; Dr. p. 1077; Gaz. vol. 133; p. 927.
- Marousch, J., Cleveland, Ohio. Excavating, hoisting, and conveying bucket. No. 879,972; Feb. 25; Sp. p. 4312; Dr. pp. 902-3; Gaz. vol. 132; p. 1635.
- Marple, W., *et al.* (See Wallar, W. C., assignor.)
- Marquardt, E. (See Erlwein and Marquardt.)
- Marquardt, R. G. (See Stuewe and Marquardt.)
- Marquart, J. P. O., Crestline, Ohio. Brush. No. 893,635; July 21; Sp. p. 2564; Dr. p. 534; Gaz. vol. 135; p. 470.
- Marquette, J. S., assignor of one-half to P. J. Nelson, Baltimore, Md. Amalgamator. No. 879,825; Feb. 18; Sp. p. 3973; Dr. pp. 831-2; Gaz. vol. 132; p. 1554.
- Marquette Piano Company. (See Larson, A. F., assignor.)
- Marquette Piano Company. (See Larson and Östergren, assignors.)
- Marquis, C. A., St. Louis, Mo. Winding and cutting machine. No. 878,079; Feb. 4; Sp. p. 378; Dr. pp. 78-9; Gaz. vol. 132; p. 909.
- Marr, A., Invercargill, New Zealand. Curtain-pole. No. 889,473; June 2; Sp. p. 579; Dr. p. 135; Gaz. vol. 134; p. 1149.
- Marr, A., Brooklands, near Manchester, England. Apparatus for cleaning tobacco-pipes and the like. No. 902,752; Nov. 3; Sp. p. 431; Gaz. vol. 137; p. 75.
- Marr, A. N., Thorne, near Leeds, England. Apparatus for drying fabrics or fibrous material. No. 877,938; Feb. 4; Sp. p. 86; Dr. pp. 18-20; Gaz. vol. 132; p. 863.
- Marr, A. N., Thorne, near Leeds, England. Machine for drying yarn and textile goods. No. 881,602; Mar. 10; Sp. p. 2203; Dr. pp. 480-1; Gaz. vol. 133; p. 400.
- Marr, A. W., Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Safe, vault, &c. No. 891,275; June 23; Sp. p. 4228; Dr. pp. 925-6; Gaz. vol. 134; p. 1826.
- Marr, A. W., Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Safe, vault, &c. No. 891,276; June 23; Sp. p. 4229; Dr. pp. 926-7; Gaz. vol. 134; p. 1826.
- Marr, C. H., Los Angeles, Cal. Newspaper-vending machine. No. 889,384; June 2; Sp. p. 387; Dr. p. 91; Gaz. vol. 134; p. 1119.
- Marr, G. C., Washington, D. C. Show-window fastener. No. 888,919; May 26; Sp. p. 5247; Dr. p. 1113; Gaz. vol. 134; p. 939.
- Marr, J. W., Waterville, Me., assignor to Hollingsworth and Whitney Company, Boston, Mass. Measuring-calipers. No. 883,660; Mar. 31; Sp. p. 6350; Dr. p. 1353; Gaz. vol. 133; p. 1159.
- Marr, W. L., Jackson, Mich. Carbureter. No. 886,526; May 5; Sp. p. 363; Dr. p. 75; Gaz. vol. 134; p. 67.
- Marr, W. L., Jackson, Mich. Carbureter. No. 886,527; May 5; Sp. p. 366; Dr. p. 76; Gaz. vol. 134; p. 67.
- Marr, W. L., Jackson, Mich. Motor-vehicle. No. 886,528; May 5; Sp. p. 368; Dr. p. 76; Gaz. vol. 134; p. 68.
- Marrder, E., New York, N. Y. Amusement apparatus. No. 903,211; Nov. 10; Sp. p. 1358; Gaz. vol. 137; p. 252.
- Marrero, A., and F. Helwig, New Orleans, La. Adjustable table. No. 899,548; Sept. 29; Sp. p. 4557; Dr. p. 980; Gaz. vol. 136; p. 873.
- Marrin, T. (See Toft, G., assignor.)
- Marriner, J. E., Newton, Mass. Cushion attachment for automobiles. No. 887,002; May 5; Sp. p. 1319; Dr. p. 277; Gaz. vol. 134; p. 219.
- Mars, E. M., assignor of one-half to T. H. Mars, Chicago, Ill. Device for threading conduits and for analogous purposes. No. 880,677; Mar. 3; Sp. p. 372; Dr. p. 81-2; Gaz. vol. 133; p. 66.
- Mars, T. H. (See Mars E. M., assignor.)
- Mars, T. H., Chicago, Ill. Automatically-tripping trolley-pole mechanism. No. 883,217; Mar. 31; Sp. p. 5430; Dr. p. 1157; Gaz. vol. 133; p. 1018.
- Mars, T. H., Chicago, Ill. Drop-trolley. No. 892,279; June 30; Sp. p. 6269; Dr. pp. 1349-50; Gaz. vol. 134; p. 2190.
- Marsden, H. E., Ottumwa, Iowa. Brander. No. 896,454; Aug. 18; Sp. p. 3332; Dr. p. 717; Gaz. vol. 135; p. 1488.
- Marsden, J., Greenheys, Manchester, England. Rotary engine. No. 877,103; Jan. 21; Sp. p. 2915; Dr. p. 630; Gaz. vol. 132; p. 542.
- Marsellis, F., Berkeley, assignor of three-fourths to E. M. Cutting, Fruitvale, and W. W. Slater and H. C. Barnes, Oakland, Cal. Railway-track-rail-drilling machine. No. 900,109; Oct. 6; Sp. p. 76; Dr. pp. 15-16; Gaz. vol. 136; p. 1086.
- Marsh, A. L., Lake Bluff, assignor to Hoskins Company, Chicago, Ill. Electric furnace. No. 882,788; Mar. 24; Sp. p. 4554; Dr. p. 972; Gaz. vol. 133; p. 846.
- Marsh, E. A., Detroit, Mich. Pneumatic tire. No. 882,905; Mar. 24; Sp. p. 4812; Dr. p. 1023; Gaz. vol. 133; p. 885.
- Marsh, E. A., Chicago, Ill. Lock or latch for windows. No. 893,555; Mar. 31; Sp. p. 6153; Dr. p. 1308; Gaz. vol. 133; p. 1126.
- Marsh, E. O., Seattle, Wash. Trolley-car clencher. No. 877,510; Jan. 28; Sp. p. 3744; Dr. p. 811; Gaz. vol. 132; p. 697.
- Marsh, E. T., Rochester, N. Y. Display-card for sample-cases. No. 896,131; Aug. 18; Sp. p. 2689; Dr. p. 580; Gaz. vol. 135; p. 1383.
- Marsh, G. A. (See Dixon and Marsh.)
- Marsh, H., Jamestown, N. Y. Adjustable tip-holder for billiard-cues. No. 908,021; Dec. 29; Sp. p. 5769; Gaz. vol. 137; p. 2049.
- Marsh, H. S. (See O'Bryan, F. L., assignor.)
- Marsh, J. G., Manchester, N. H. Playing-hoop. No. 881,427; Mar. 10; Sp. p. 1861; Dr. p. 405; Gaz. vol. 133; p. 341.
- Marsh, J. G., Manchester, N. H. Hoop. No. 895,385; Aug. 4; Sp. p. 1213; Dr. p. 255; Gaz. vol. 135; p. 1097.
- Marsh, J. H., and J. J. Lanzit, assignors to Borden's Condensed Milk Company, Chicago, Ill. Carton. No. 887,679; May 12; Sp. p. 2726; Dr. p. 576; Gaz. vol. 134; p. 470.
- Marsh, N. E., Des Moines, Iowa. Concrete-mixer. No. 899,549; Sept. 29; Sp. p. 4559; Dr. p. 980; Gaz. vol. 136; p. 873.
- Marsh, S. P., Wolsley, Saskatchewan, and N. Timson, Winnipeg, Manitoba, Canada. Slough-filler. No. 876,467; Jan. 14; Sp. p. 1576; Dr. pp. 338-9; Gaz. vol. 132; p. 289.
- Marsh, W. C., Dunkirk, N. Y. Brake. No. 896,063; Aug. 11; Sp. p. 2565; Dr. pp. 555-6; Gaz. vol. 135; p. 1340.
- Marsh, W. C., Dunkirk, N. Y. Brake. No. 896,649; Aug. 18; Sp. p. 3700; Dr. pp. 795-6; Gaz. vol. 135; p. 1550.
- Marsh, W. F., Malaga, N. J. Hoe. No. 890,991; June 16; Sp. p. 3681; Dr. p. 802; Gaz. vol. 134; p. 1703.
- Marsh, W. W. (See Hackett and Morgan, assignors.)
- Marsh, W. W. (See Morgan, T. W., assignor.)
- Marsh, W. W., Waterloo, Iowa. Liner for centrifugal cream-separators. No. 907,157; Dec. 22; Sp. p. 3939; Gaz. vol. 137; p. 1732.
- Marsh, W. W., and T. W. Morgan, Waterloo, Iowa; said Morgan assignor to said Marsh. Liner for centrifugal cream-separators. No. 886,384; May 5; Sp. p. 85; Dr. p. 17; Gaz. vol. 134; p. 19.
- Marshall, C. E., Lestershire, N. Y. Power mechanism. No. 889,318; June 2; Sp. p. 246; Dr. p. 60; Gaz. vol. 134; p. 1098.
- Marshall, C. E., Lestershire, assignor to Empire Motor & Machine Company, Bainbridge, N. Y. Rotary fluid-motor. No. 891,846; June 30; Sp. p. 5426; Dr. p. 1173; Gaz. vol. 134; p. 2047.
- Marshall, C. H. (See Marshall, W. H., assignor.)
- Marshall, E. H., Markham, Va. Feed-bag holder. No. 881,813; Mar. 10; Sp. p. 2618; Dr. p. 562; Gaz. vol. 133; p. 467.
- Marshall, E. H., Front Royal, Va. Stopper. No. 893,531; July 14; Sp. p. 2318; Dr. p. 486; Gaz. vol. 135; p. 406.
- Marshall Electric Manufacturing Company. (See Raiche, A., assignor.)
- Marshall, F. J. (See Weaver, I. A., assignor.)
- Marshall, G., Fremont, Nebr. Machine for loading shocks into wagons. No. 890,151; June 9; Sp. p. 1917; Dr. p. 423; Gaz. vol. 134; p. 1395.
- Marshall, G., Fremont, Nebr. Stack-forming mechanism. No. 894,515; July 28; Sp. p. 4461; Dr. p. 924; Gaz. vol. 135; p. 781.

Alphabetical list of patentees—Continued.

- Marshall, G. B., Shannon, Tex. Insulator. No. 907,834; Dec. 29; Sp. p. 5363; Gaz. vol. 137; p. 1989.
- Marshall, G. E., Aguilar, Colo. Bullet-probe. No. 902,753; Nov. 3; Sp. p. 433; Gaz. vol. 137; p. 75.
- Marshall, H. (See Uebbing and Marshall.)
- Marshall, I. W., Yorklyn, Del. Soaking sheet fiber. No. 897,759; Sept. 1; Sp. p. 1041; Dr. p. 224; Gaz. vol. 136; p. 169.
- Marshall, I. W., assignor of one-half to T. E. Marshall, Yorklyn, Del. Flexibly-intermittent chain-drive. No. 897,756; Sept. 1; Sp. p. 1034; Dr. pp. 220-1; Gaz. vol. 136; p. 168.
- Marshall, I. W., assignor of one-half to T. E. Marshall, Yorklyn, Del. Sheet-combining machine. No. 897,757; Sept. 1; Sp. p. 1036; Dr. p. 221; Gaz. vol. 136; p. 168.
- Marshall, I. W., assignor of one-half to T. E. Marshall, Yorklyn, Del. Manufacturing indurated fiber. No. 897,758; Sept. 1; Sp. p. 1038; Dr. pp. 222-3; Gaz. vol. 136; p. 168.
- Marshall, J. W. (See Cameron and Marshall.)
- Marshall, J. W. (See Parkhurst, E. R., assignor.)
- Marshall, T. E. (See Marshall, I. W., assignor.)
- Marshall, W. H., assignor of one-half to C. H. Marshall, New Paris, Ohio. Cement burial-vault. No. 896,223; Aug. 18; Sp. p. 2862; Dr. p. 616; Gaz. vol. 135; p. 1414.
- Marshall, W. J., assignor to himself, I. M. Bird, New York, and F. E. Rowland, Brooklyn, N. Y. Perfumed starch and making the same. No. 890,524; June 9; Sp. p. 2661; Gaz. vol. 134; p. 1515.
- Marshall-Wells Hardware Company. (See Buck, F., assignor.)
- Marson, J., Rahway, assignor to H. W. Taylor, Montclair, N. J. Making felt for piano-hammers. No. 884,597; Apr. 14; Sp. p. 1888; Dr. p. 405; Gaz. vol. 133; p. 1523.
- Marston, J., Braddock, Pa. Drill and bit holder for boring-machines. No. 886,228; Apr. 28; Sp. p. 5243; Dr. p. 1104; Gaz. vol. 133; p. 2114.
- Marte, M., East Syracuse, N. Y. Roofing-tile. No. 882,765; Mar. 24; Sp. p. 4517; Dr. p. 963; Gaz. vol. 133; p. 839.
- Martel, E. J., Ware, assignor of one-half to Z. Potvin, Webster, Mass. Clasp. No. 885,267; Apr. 21; Sp. p. 3295; Dr. p. 689; Gaz. vol. 133; p. 1774.
- Martel, S. H., Jr., Montreal, Quebec, Canada. Advertising-directory. No. 896,926; Aug. 25; Sp. p. 4336; Dr. p. 928; Gaz. vol. 135; p. 1667.
- Martell, H. C., Flint, Mich., assignor to Cleveland Hardware Company, Cleveland, Ohio. Vehicle-seat. No. 899,748; Sept. 29; Sp. p. 4968; Dr. p. 1065; Gaz. vol. 136; p. 938.
- Martelock, C., Oroville, Cal. Attachment for talking-machines. No. 899,880; Sept. 29; Sp. p. 5252; Dr. p. 1123; Gaz. vol. 136; p. 931.
- Marten, A. S., East Orange, N. J., assignor to Tea Tray Company of Newark, N. J. Horn. No. 885,268; Apr. 21; Sp. p. 3296; Dr. p. 689; Gaz. vol. 133; p. 1774.
- Marten, W. F., Pine River, Wis. Door-latch. No. 886,143; Apr. 28; Sp. p. 5100; Dr. p. 1071; Gaz. vol. 133; p. 2086.
- Martens, T., Davenport, Iowa. Mouthpiece for wind instrument. No. 877,786; Jan. 28; Sp. p. 4275; Dr. p. 928; Gaz. vol. 132; p. 785.
- Martien, G., and F. C. Small, Mansfield, Ohio. Nut-lock. No. 907,071; Dec. 15; Sp. p. 3754; Gaz. vol. 137; p. 1668.
- Martin, A., Rock Elm, Wis. Hemmer. No. 880,678; Mar. 3; Sp. p. 374; Dr. p. 82; Gaz. vol. 133; p. 66.
- Martin, A., assignor to C. A. Frymire, Lancaster, Nebr. Stopper for washbowls. No. 891,804; June 23; Sp. p. 5326; Dr. p. 1153; Gaz. vol. 134; p. 2003.
- Martin, A. D., Lancaster, Ohio. Sink, basin, or the like. No. 907,261; Dec. 22; Sp. p. 4183; Gaz. vol. 137; p. 1769.
- Martin, A. J., assignor of one-half to C. C. Miller, Toledo, Ohio. Combined pole and shaft for vehicles. No. 888,025; May 19; Sp. p. 3424; Dr. p. 719; Gaz. vol. 134; p. 615.
- Martin, A. J., and M. A. Grandpre, Chicago, Ill. Closet-seat. No. 903,596; Nov. 10; Sp. p. 2135; Gaz. vol. 137; p. 379.
- Martin, A. O., and C. A. Hahnel, Demison, Tex. Sanding apparatus for locomotives. No. 884,282; Apr. 7; Sp. p. 1245; Dr. p. 262; Gaz. vol. 133; p. 1390.
- Martin, A. R., Columbus, Ohio. Combined window shield and screen. No. 877,209; Jan. 21; Sp. p. 3152; Dr. p. 683; Gaz. vol. 132; p. 580.
- Martin, A. S., *et al.* (See McClintock, E. H., assignor.)
- Martin, C., Peabody, Mass., assignor to New Era Machinery Company. Printing-press. No. 905,728; Dec. 1; Sp. p. 1214; Gaz. vol. 137; p. 1181.
- Martin, C., and M. Beasley, Dickson, Tenn. Automatic retaining-valve. No. 879,783; Feb. 18; Sp. p. 3878; Dr. pp. 813-14; Gaz. vol. 132; p. 1539.
- Martin, C. F., Volga, Iowa. Fly-protector. No. 908,295; Dec. 29; Sp. p. 6331; Gaz. vol. 137; p. 2141.
- Martin, C. L., assignor of one-half to M. G. Weidner, Chattanooga, Tenn. Reamer. No. 886,830; May 5; Sp. p. 1008; Dr. p. 212; Gaz. vol. 134; p. 165.
- Martin, C. V., Charleston, W. Va. Engine. No. 881,428; Mar. 10; Sp. p. 1863; Dr. p. 405; Gaz. vol. 133; p. 341.
- Martin, C. W., Dunkirk, N. Y., assignor to Martin Car Heating Company, Chicago, Ill. Hose-coupling. No. 876,071; Jan. 7; Sp. p. 759; Dr. p. 161; Gaz. vol. 132; p. 129.
- Martin Car Heating Company. (See Martin, C. W., assignor.)
- Martin, D., Forney, Tex. Bedclothes-clamp. No. 884,832; Apr. 14; Sp. p. 2385; Dr. p. 502; Gaz. vol. 133; p. 1601.
- Martin, D. C., St. Louis, Mo. Feed-bag. No. 905,549; Dec. 1; Sp. p. 889; Gaz. vol. 137; p. 1125.
- Martin, E. B., *et al.* (See McClintock, E. H., assignor.)
- Martin, E. B., Tekamah, Nebr. Nut-lock. No. 889,319; June 2; Sp. p. 248; Dr. p. 60; Gaz. vol. 134; p. 1098.
- Martin, E. G., and J. S. Miller, Tyler, Tex. Buggy-top support. No. 904,345; Nov. 17; Sp. p. 3722; Gaz. vol. 137; p. 662.
- Martin, E. M., Mattoon, Ill. Automatic checkrein. No. 906,045; Dec. 8; Sp. p. 1830; Gaz. vol. 137; p. 1314.
- Martin, E. R. (See Ippenplatz and Martin.)
- Martin, F., Woonsocket, R. I., assignor, by mesne assignments, to Batten-Hayes Company, Lewiston, Me. Conveyer-belt evener. No. 878,815; Feb. 11; Sp. p. 1943; Dr. p. 402; Gaz. vol. 132; p. 1186.
- Martin, F., Worcester, Mass., assignor to Aero Pulverizer Company, Portland, Me. Dust-separating apparatus. No. 893,002; July 14; Sp. p. 1260; Dr. pp. 264-5; Gaz. vol. 135; p. 235.
- Martin, F. E., Oakville, Ontario, assignor to C. A. Boone and S. W. McKeown, Toronto, Canada. Boat launching and stowing apparatus. No. 906,146; Dec. 8; Sp. p. 2026; Gaz. vol. 137; p. 1346.
- Martin, F. H., assignor to Textile Machinery Company, Boston, Mass. Flier for roving-machines, &c. No. 892,863; July 7; Sp. p. 941; Dr. p. 198; Gaz. vol. 135; p. 157.
- Martin, G., Rochester, N. Y., assignor of forty-two-and-one-half one-hundredths to W. S. Brown and fifteen one-hundredths to J. P. Creagan. Non-refillable bottle. No. 876,468; Jan. 14; Sp. p. 1579; Dr. p. 339; Gaz. vol. 132; p. 289.
- Martin, G. H. (See Chittenden, W. R., assignor.)
- Martin, H. and P., St. Paul, Minn. Dust-guard. No. 906,046; Dec. 8; Sp. p. 1833; Gaz. vol. 137; p. 1315.
- Martin, H. F., West Pike, Pa. Logging-grab. No. 876,652; Jan. 14; Sp. p. 2002; Dr. p. 436; Gaz. vol. 132; p. 355.
- Martin, H. H., Maryville, Mo. Stop-cock. No. 890,431; June 9; Sp. p. 2489; Dr. p. 551; Gaz. vol. 134; p. 1486.
- Martin, H. M., Columbus, Ohio. Vehicle-wheel. No. 894,276; July 28; Sp. p. 3988; Dr. p. 822; Gaz. vol. 135; p. 703.
- Martin, H. W., Iilon, N. Y. Collapsible joint. No. 891,278; June 23; Sp. p. 4236; Dr. p. 927; Gaz. vol. 134; p. 1827.
- Martin, H. W., Utica, N. Y. Fire-plug and collapsible joint. No. 891,279; June 23; Sp. p. 4238; Dr. p. 928; Gaz. vol. 134; p. 1828.
- Martin, J. (See Shatzky, A., assignor.)
- Martin, J., Irvington, N. Y. Plant-shield. No. 897,760; Sept. 1; Sp. p. 1043; Dr. p. 224; Gaz. vol. 136; p. 169.
- Martin, J., Belle Vernon, Pa. Rail-joint. No. 906,250; Dec. 8; Sp. p. 2232; Gaz. vol. 137; p. 1383.
- Martin, J., Brooklyn, N. Y., assignor to Landau Economic Syphon Company, San Francisco, Cal. Siphon. No. 901,979; Oct. 27; Sp. p. 3997; Dr. p. 814; Gaz. vol. 136; p. 1791.
- Martin, J. B. A. (See Ayotte, J. R., assignor.)
- Martin, J. C., San Francisco, Cal. Flange-lubricating device. No. 887,680; May 12; Sp. p. 2727; Dr. pp. 576-7; Gaz. vol. 134; p. 471.
- Martin, J. F., Philadelphia, Pa., assignor, by mesne assignments, to Magic Curler Company. Hair-crimper. No. 884,339; Apr. 7; Sp. p. 1346; Dr. p. 288; Gaz. vol. 133; p. 1409.
- Martin, J. H., *et al.* (See Norstrom, N. E., assignor.)
- Martin, J. M., Byrnewille, Ind. Timber-sawing machine. No. 884,183; Apr. 7; Sp. p. 1081; Dr. p. 225; Gaz. vol. 133; p. 1359.
- Martin, J. M., and E. J. Faires, McKinney, Tex.; said Faires assignor to said Martin. Sash-cord guide. No. 884,184; Apr. 7; Sp. p. 1082; Dr. p. 225; Gaz. vol. 133; p. 1360.
- Martin, J. P. (See Cartwright and Martin.)
- Martin, J. V., assignor of one-half to C. Ellet, Seattle, Wash. Sounding device. No. 889,385; June 2; Sp. p. 389; Dr. pp. 91-2; Gaz. vol. 134; p. 1120.
- Martin, L. S., Erie, Pa. Window-ventilator. No. 884,598; Apr. 14; Sp. p. 1889; Dr. p. 405; Gaz. vol. 133; p. 1523.
- Martin, L. T., Pilot Point, Tex. Display-cabinet. No. 908,296; Dec. 29; Sp. p. 6332; Gaz. vol. 137; p. 2141.
- Martin, M., administratrix. (See Martin, T. A.)
- Martin, M., Gilmore, Md. Coal-auger. No. 882,475; Mar. 17; Sp. p. 3931; Dr. p. 840; Gaz. vol. 133; p. 711.
- Martin, M., Malden, Mass. Fluid-gage. No. 903,212; Nov. 10; Sp. p. 1359; Gaz. vol. 137; p. 253.
- Martin, M., Boston, Mass. Fluid-gage. No. 903,213; Nov. 10; Sp. p. 1361; Gaz. vol. 137; p. 253.

Alphabetical list of patentees—Continued.

- Martin, M., Malden, assignor to Boston Auto Gage Company, Boston, Mass. Fluid-gage. No. 885,629; Apr. 21; Sp. p. 4019; Dr. p. 839; Gaz. vol. 133; p. 1887.
- Martin, M., assignor of one-half to Boston Auto Gage Company, Boston, Mass. Fluid-level indicator. No. 885,675; Apr. 21; Sp. p. 4115; Dr. p. 861; Gaz. vol. 133; p. 1902.
- Martin, N., Seaford, Minn. Spark-arrester. No. 883,218; Mar. 31; Sp. p. 5433; Dr. p. 1157; Gaz. vol. 133; p. 1019.
- Martin, N. R. (See Johnson, I., assignor.)
- Martin, N. W., Willard, Ga. Wrench. No. 894,963; Aug. 4; Sp. p. 373; Dr. p. 76; Gaz. vol. 135; p. 955.
- Martin & Ogden Wrench Company. (See Martin and Ogden, assignors.)
- Martin, P. (See Martin, H. and P.)
- Martin, R. B., et al. (See Joy, S. W., assignor.)
- Martin, R. B., Brooklyn, N. Y. Shoe-polishing brush. No. 885,500; Apr. 21; Sp. p. 3749; Dr. p. 788; Gaz. vol. 133; p. 1848.
- Martin, R. D., Habana, Cuba. Puzzle. No. 878,408; Feb. 4; Sp. p. 1039; Dr. p. 210; Gaz. vol. 132; p. 1018.
- Martin, R. L., Ocala, Fla. Current-motor. No. 890,676; June 16; Sp. p. 3002; Dr. p. 659; Gaz. vol. 134; p. 1599.
- Martin, R. L., Jr., and W. W. Macfarren, assignors of three-fourths to said Martin and one-fourth to said Macfarren. Conveyer. No. 877,210; Jan. 21; Sp. p. 3155; Dr. p. 684-5; Gaz. vol. 132; p. 580.
- Martin, R. L., Jr., and W. W. Macfarren, Pittsburgh, Pa., assignors to said Martin and Macfarren. Coke-drawer. No. 902,243; Oct. 27; Sp. p. 4537; Dr. pp. 920-1; Gaz. vol. 136; p. 1873.
- Martin, S. F., assignor of one-half to T. J. Nolan, Norman, Okla. Ledger-plate and knife-guard. No. 904,547; Nov. 24; Sp. p. 4140; Gaz. vol. 137; p. 755.
- Martin, T., et al. (See Bernerd, W., assignor.)
- Martin, T., Pineville, La. Whip-socket. No. 878,974; Feb. 11; Sp. p. 2234; Dr. p. 467; Gaz. vol. 132; p. 1235.
- Martin, T. A., assignor to Davis-Martin Company, Chicago, Ill. Animal-shears. No. 879,973; Feb. 25; Sp. p. 4314; Dr. p. 903; Gaz. vol. 132; p. 1636.
- Martin, T. A., deceased, Covington, Ky., (M. Martin, administratrix,) assignor of one-half to F. J. Warner, Memphis, Tenn. Toy. No. 897,638; Sept. 1; Sp. p. 806; Dr. p. 169; Gaz. vol. 136; p. 123.
- Martin, T. L., Wrightsville, Ga. Axle-spindle. No. 900,562; Oct. 6; Sp. p. 1059; Dr. p. 217; Gaz. vol. 136; p. 1235.
- Martin, V., Hopkinsville, Ky. Running-gear for vehicles. No. 889,251; June 2; Sp. p. 111; Dr. p. 26; Gaz. vol. 134; p. 1074.
- Martin, W., Perry, Okla. Puzzle. No. 890,677; June 16; Sp. p. 3005; Dr. p. 660; Gaz. vol. 134; p. 1599.
- Martin, W. B. (See Humphrey and Martin.)
- Martin, W. C., Mansfield, and L. H. Ogden, South Boston, Mass., assignors to Martin & Ogden Wrench Company. Strap pipe-wrench. No. 876,469; Jan. 14; Sp. p. 1580; Dr. p. 339; Gaz. vol. 132; p. 290.
- Martin, W. D. (See Ormiston and Martin.)
- Martin, W. E., assignor of one-fifth to G. M. Davis, Winston Salem, and one-thirtieth to E. J. Davis, Greensboro, N. C. Machine for making tags and automatically attaching them to plugs of tobacco. No. 897,001; Aug. 25; Sp. p. 4496; Dr. pp. 960-2; Gaz. vol. 135; p. 1690.
- Martin, W. E., W. L. Grant, R. J. McGavock, R. E. Haynes, and J. C. Voorhies, Columbia, Tenn. Delivering and catching device. No. 898,380; Sept. 8; Sp. p. 2294; Dr. p. 488; Gaz. vol. 136; p. 398.
- Martin, W. H., Mobile, Ala. Sound-box. No. 905,899; Dec. 8; Sp. p. 1557; Gaz. vol. 137; p. 1268.
- Martin, W. L., et al. (See Mayhew, J. D., assignor.)
- Martin, W. L., Chicago, Ill. Traction-wheel. No. 902,426; Oct. 27; Sp. p. 4947; Dr. p. 999; Gaz. vol. 136; p. 1935.
- Martin, W. R., Lancaster, Pa. Brick-conveyer. No. 888,831; May 26; Sp. p. 5054; Dr. p. 1079; Gaz. vol. 134; p. 908.
- Martindale, F. N., Gouverneur, N. Y. Kettle. No. 888,519; May 26; Sp. p. 4383; Dr. p. 928; Gaz. vol. 134; p. 804.
- Martindale, W. B., Chicago, Ill., assignor to Time Marking Machine Company. Postmarking and canceling machine. No. 877,851; Jan. 28; Sp. p. 4393; Dr. pp. 956-7; Gaz. vol. 132; p. 806.
- Martini, D., London, England. Treating cold crude petroleum or distillate thereof to obtain an explosive mixture for internal-combustion engines. No. 892,378; June 30; Sp. p. 6449; Dr. p. 1391; Gaz. vol. 134; p. 2221.
- Martini, D., London, England. Apparatus for ionizing petroleum and its distillates. No. 908,297; Dec. 29; Sp. p. 6333; Gaz. vol. 137; p. 2142.
- Martini, H., Pawnee, Ill., assignor of one-half to H. M. Young, Jewett, Tex. Safety-catch for mine-cages. No. 907,835; Dec. 29; Sp. p. 5365; Gaz. vol. 137; p. 1989.
- Martini, H., assignor of one-half to H. M. Young, Jewett, Tex. Elevator-guide. No. 907,836; Dec. 29; Sp. p. 5366; Gaz. vol. 137; p. 1989.
- Martinsen, J. F. H., Chicago, Ill. Roller-skate. No. 893,341; July 14; Sp. p. 1915; Dr. p. 401; Gaz. vol. 135; p. 344.
- Martinson, B. A., Ortonville, Minn. Trap. No. 904,706; Nov. 24; Sp. p. 4461; Gaz. vol. 137; p. 809.
- Martinson, O. J., assignor to Monihan Machine Company, Chicago, Ill. Derrick-swinging mechanism. No. 903,997; Nov. 17; Sp. p. 2963; Gaz. vol. 137; p. 541.
- Martucci, P., New York, N. Y. Mail and package collector. No. 899,881; Sept. 29; Sp. p. 5254; Dr. pp. 1123-4; Gaz. vol. 136; p. 931.
- Marton, V., Cleveland, Ohio. Automatic car-coupling. No. 899,604; Sept. 29; Sp. p. 4671; Dr. p. 1002; Gaz. vol. 136; p. 892.
- Martrano, J. V. (See Rulli and Martrano.)
- Martz, E. (See Heidenreich and Martz.)
- Marvel, E. W., assignor to W. H. Hollar, Philadelphia, Pa. Electrically-controlled lock. No. 902,244; Oct. 27; Sp. p. 4542; Dr. p. 921; Gaz. vol. 136; p. 1873.
- Marvel Rubber Company. (See Clark, M. C., assignor.)
- Marvick, F. N., Miami, Fla. Tile. No. 903,300; Nov. 10; Sp. p. 1526; Gaz. vol. 137; p. 282.
- Marvin, A., assignor to Marvin Manfg. Company, El Paso, Ill. Loading apparatus. (Reissue.) No. 12,867; Oct. 20; Sp. p. 3904; Dr. p. 797; Gaz. vol. 136; p. 1747.
- Marvin, C., Findlay, Ohio. Plow. No. 904,792; Nov. 24; Sp. p. 4660; Gaz. vol. 137; p. 837.
- Marvin, F. B., Paterson, N. J. Refractory block for building purposes. No. 885,065; Apr. 21; Sp. p. 2855; Dr. p. 607; Gaz. vol. 133; p. 1707.
- Marvin, G. N., Oberlin, Kans. Picture-holder. No. 881,936; Mar. 17; Sp. p. 2905; Dr. p. 620; Gaz. vol. 133; p. 537.
- Marvin Manfg. Company. (See Marvin, A., assignor.) (Reissue.)
- Marvin, N. E., Springfield, Mass. Automatic train-pipe coupling. No. 887,489; May 12; Sp. p. 2378; Dr. pp. 499-500; Gaz. vol. 134; p. 408.
- Marvin, S. W., et al. (See Mariner, A. L., assignor.)
- Marwitz, W. L. von de, Los Angeles, Cal. Door-hinge. No. 880,317; Feb. 25; Sp. p. 5004; Dr. p. 1055; Gaz. vol. 132; p. 1749.
- Marx, A., et al. (See Wimmer, L., assignor.)
- Marx, A. J., Holyoke, Mass. Furnace-door protector. No. 886,144; Apr. 28; Sp. p. 5101; Dr. p. 1071; Gaz. vol. 133; p. 2087.
- Marx, J., Buffalo, N. Y. Jar for storage batteries. No. 897,472; Sept. 1; Sp. p. 475; Dr. p. 101; Gaz. vol. 136; p. 75.
- Marx, O. H., Lavernia, Tex. Sulky-plow. No. 896,650; Aug. 18; Sp. p. 3704; Dr. p. 797; Gaz. vol. 135; p. 1550.
- Marx and Rawolle. (See Wood, F. J., assignor.)
- Marxen, J. C., and J. H. Woodward, Avoca, Iowa. Grain-door for railway-cars. No. 886,529; May 5; Sp. p. 370; Dr. p. 77; Gaz. vol. 134; p. 68.
- Mary, F. L., Chehalis, Wash. Crate. No. 890,525; June 9; Sp. p. 2662; Dr. pp. 587-8; Gaz. vol. 134; p. 1515.
- Maryland Railway Supply Company. (See Banks and Tatum, assignors.)
- Marysville Cabinet Company. (See Rausch, G. A., Jr., assignor.)
- Marzinke, E., Corona, Cal. Horse-releasing device for vehicles. No. 893,342; July 14; Sp. p. 1916; Dr. p. 401; Gaz. vol. 135; p. 345.
- Mascart, C., Paris, France. Pawl transmission-gear for taximeters. No. 903,746; Nov. 10; Sp. p. 2415; Gaz. vol. 137; p. 424.
- Maschinenbau-Anstalt Altenessen A. G. (See Greiner, F., assignor.)
- Maschinenfabrik Germania, vorm. J. S. Schwalbe & Sohn. (See Gülke, C., assignor.)
- Maschinenfabrik Grevenbroich. (See Hirt, L., assignor.)
- Maschinenfabrik Oerlikon, Firm of. (See Karrer, J., assignor.)
- Maschinenfabrik St. Georgen Bei St. Gallen Commandit-Gesellschaft Ludwig von Süsskind. (See Müller, R., assignor.)
- Mascord, G. W., London, England. Printing-machine. No. 878,651; Feb. 11; Sp. p. 1633; Dr. pp. 334-5; Gaz. vol. 132; p. 1133.
- Mascord, G. W., London, England. Generation and transmission of motive power. No. 891,350; June 23; Sp. p. 4392; Dr. p. 956; Gaz. vol. 134; p. 1851.
- Mashtab, U. W., New York, N. Y. Storage-cabinet. No. 895,874; Aug. 11; Sp. p. 2203; Dr. p. 469; Gaz. vol. 135; p. 1279.
- Masker, J., Hammond, Ind. Railway-car roof. No. 905,340; Dec. 1; Sp. p. 409; Gaz. vol. 137; p. 1054.
- Maskrey, A. J., Chester, W. Va. Catcher for metal plates. No. 889,629; June 2; Sp. p. 860; Dr. pp. 196-7; Gaz. vol. 134; p. 1198.
- Maslin, J., Jersey City, assignor to G. F. Whitney, South Orange, N. J. Device for cleaning water-mains. No. 894,220; July 28; Sp. p. 3854; Dr. p. 798; Gaz. vol. 135; p. 684.
- Mason, A. J., et al. (See McKee, A. G., assignor.)
- Mason, D. L., Louisville, Ky. Percussively-driven tool. No. 875,940; Jan. 7; Sp. p. 483; Dr. p. 104; Gaz. vol. 132; p. 87.
- Mason, E. B., Elmsford, N. Y. Game apparatus. No. 884,674; Apr. 14; Sp. p. 2072; Dr. p. 443; Gaz. vol. 133; p. 1548.

Alphabetical list of patentees—Continued.

- Mason, F. C., assignor to Bissell Carpet-Sweeper Company, Grand Rapids, Mich. Ball-bearing for carpet-sweepers. No. 881,603; Mar. 10; Sp. p. 2208; Dr. p. 481; Gaz. vol. 133; p. 400.
- Mason, F. C., and G. L. Sintz, assignors to N. W. Chamberlin, Grand Rapids, Mich. Ignition-timer for internal-combustion engines. No. 906,729; Dec. 15; Sp. p. 3119; Gaz. vol. 137; p. 1561.
- Mason, F. C., and J. W. Shanahan, assignors to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet-sweeper. No. 877,852; Jan. 28; Sp. p. 4397; Dr. p. 957; Gaz. vol. 132; p. 806.
- Mason, F. C., and J. W. Shanahan, assignors to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Ball-bearing. No. 891,943; June 30; Sp. p. 5623; Dr. p. 1212; Gaz. vol. 134; p. 2080.
- Mason, G. L., Newark, N. J., assignor to George L. Mason Company, New York, N. Y. Sign-letter. No. 885,936; Apr. 28; Sp. p. 4673; Dr. p. 984; Gaz. vol. 133; p. 2018.
- Mason, G. L., Newark, N. J., assignor to George L. Mason Company, New York, N. Y. Sign. No. 887,408; May 12; Sp. p. 2208; Dr. p. 462; Gaz. vol. 134; p. 381.
- Mason, G. M., Perry, Iowa. Tool for constructing and repairing wire-fences. No. 890,152; June 9; Sp. p. 1919; Dr. p. 424; Gaz. vol. 134; p. 1395.
- Mason, G. W., Sharon, Pa. Wrench. No. 881,937; Mar. 17; Sp. p. 2906; Dr. p. 620; Gaz. vol. 133; p. 537.
- Mason, G. W., Sharon, Pa. Wrench. No. 884,748; Apr. 14; Sp. p. 2222; Dr. p. 469; Gaz. vol. 133; p. 1574.
- Mason, G. W., Sharon, Pa. Pipe-coupling. No. 884,749; Apr. 14; Sp. p. 2224; Dr. p. 470; Gaz. vol. 133; p. 1574.
- Mason, G. W., Sharon, Pa. Water-heating apparatus. No. 904,138; Nov. 17; Sp. p. 3257; Gaz. vol. 137; p. 591.
- Mason, H. M., Oakland, Cal. Bride-bit. No. 891,089; June 16; Sp. p. 3846; Dr. p. 841; Gaz. vol. 134; p. 1734.
- Mason & Hamlin. (See Binnig, J., assignor.)
- Mason, I., New York, N. Y. Poker-table. No. 885,630; Apr. 21; Sp. p. 4020; Dr. pp. 839-40; Gaz. vol. 133; p. 1887.
- Mason, J., Sebastopol, Cal. Gate-latch. No. 898,247; Sept. 8; Sp. p. 2062; Dr. p. 438; Gaz. vol. 136; p. 356.
- Mason, J., assignor of one-half to J. F. Malloy, Wilmington, Del. Automatic fan. No. 878,736; Feb. 11; Sp. p. 1786; Dr. pp. 369-70; Gaz. vol. 132; p. 1160.
- Mason, J. W. (See Keith, C. R., assignor.)
- Mason, J. W., Walnut Lake, Ark. Fence-stretching apparatus. No. 888,448; May 19; Sp. p. 4247; Dr. p. 899; Gaz. vol. 134; p. 751.
- Mason, J. W. V., Manchester, England. Apparatus for molding, vulcanizing, and finishing rubber boots or shoes. No. 896,224; Aug. 18; Sp. p. 2864; Dr. p. 617; Gaz. vol. 135; p. 1415.
- Mason, M. C., Waukegan, Ill. Milk-pail cover. No. 883,968; Apr. 7; Sp. p. 608; Dr. p. 121; Gaz. vol. 133; p. 1288.
- Mason, M. D., East Providence, R. I. Portable fire-box partition for furnaces, boilers, ranges, &c. No. 888,630; May 26; Sp. p. 4627; Dr. p. 981; Gaz. vol. 134; p. 844.
- Mason, M. S., Elmsford, N. Y. Button-fastener. No. 904,976; Nov. 24; Sp. p. 5038; Gaz. vol. 137; p. 898.
- Mason Machine Works. (See Meats, J. T., assignor.)
- Mason Monogram Company. (See Levy, D., assignor.)
- Mason, R., Gladstone, Mich. Closure for mullage and other receptacles. No. 880,679; Mar. 3; Sp. p. 375; Dr. p. 82; Gaz. vol. 133; p. 66.
- Mason, R., assignor to Kidder Press Company, Dover, N. H. Web-guide for printing-presses. No. 896,736; Aug. 25; Sp. p. 3885; Dr. pp. 839-40; Gaz. vol. 135; p. 1600.
- Mason, R. A., New Market, Iowa. Pneumatic-tire protector. No. 894,676; July 28; Sp. p. 4789; Dr. pp. 994-5; Gaz. vol. 135; p. 835.
- Mason Regulator Company. (See Mason, W. B., assignor.)
- Mason Smokeless Combustion Company. (See Mason, T. C., assignor.)
- Mason, T. (See Johnson, T., assignor.)
- Mason, T. C. (See Parker, H. J., assignor.)
- Mason, T. C., Los Angeles, Cal., assignor, by mesne assignments, to Mason Smokeless Combustion Company, Carson City, Nev. Means for burning oil. No. 882,205; Mar. 17; Sp. p. 3438; Dr. p. 731; Gaz. vol. 133; p. 622.
- Mason, T. C., Los Angeles, Cal., assignor to Mason Smokeless Combustion Company, Incorporated. Burning oil for generating heat. No. 887,409; May 12; Sp. p. 2211; Dr. pp. 462-3; Gaz. vol. 134; p. 382.
- Mason, T. C., Los Angeles, Cal., assignor to Mason Smokeless Combustion Company. Internally-fired boiler. No. 902,893; Nov. 3; Sp. p. 739; Gaz. vol. 137; p. 122.
- Mason, T. C., Los Angeles, Cal., assignor, by mesne assignments, to Mason Smokeless Combustion Company, Carson City, Nev. Oil-burning furnace. No. 905,550; Dec. 1; Sp. p. 890; Gaz. vol. 137; p. 1126.
- Mason, V. W., Providence, R. I. Winch. No. 901,719; Oct. 20; Sp. p. 3490; Dr. p. 706; Gaz. vol. 136; p. 1676.
- Mason, W., Pawtucket, R. I. Shuttle-check for looms. No. 876,005; Jan. 7; Sp. p. 618; Dr. p. 132; Gaz. vol. 132; p. 108.
- Mason, W., assignor to Winchester Repeating Arms Co., New Haven, Conn. Gas-operated gun. No. 877,657; Jan. 28; Sp. p. 4040; Dr. pp. 872-4; Gaz. vol. 132; p. 745.
- Mason, W., assignor to Winchester Repeating Arms Co., New Haven, Conn. Gas-operated gun. No. 885,166; Apr. 21; Sp. p. 3083; Dr. pp. 648-9; Gaz. vol. 133; p. 1739.
- Mason, W. B., assignor to Mason Regulator Company, Boston, Mass. Accumulator-controller. No. 886,145; Apr. 28; Sp. p. 5102; Dr. pp. 1071-2; Gaz. vol. 133; p. 2087.
- Mason, W. J., Daphne, Ala. Nut-lock. No. 896,132; Aug. 18; Sp. p. 2690; Dr. p. 580; Gaz. vol. 135; p. 1383.
- Mason's Foreign Patents. (See McClelland, J. J., assignor.)
- Massachusetts Wireless Equipment Company. (See Pierce, G. W., assignor.)
- Massey, C. F., Chicago, Ill. Battery-well. No. 891,944; June 30; Sp. p. 5624; Dr. p. 1212; Gaz. vol. 134; p. 2081.
- Massey Harris Company. (See Charlton, M. W., assignor.)
- Massey, J. F., Douglas, Ariz. Ter. Rotary engine. No. 881,014; Mar. 3; Sp. p. 1052; Dr. p. 228; Gaz. vol. 133; p. 179.
- Massey, J. M., Gahanna, Ohio. Grooving or routing tool. No. 882,331; Mar. 17; Sp. p. 3688; Dr. p. 782; Gaz. vol. 133; p. 665.
- Massey, M. E. (See Quin and Massey.)
- Massey, S. P., Lake Mills, Iowa. Car-door. No. 905,445; Dec. 1; Sp. p. 674; Gaz. vol. 137; p. 1092.
- Massey, W. C., Atlanta, Ga. Writing device. No. 878,080; Feb. 4; Sp. p. 382; Dr. p. 80; Gaz. vol. 132; p. 910.
- Massie, J. G., Belleville, Ill., assignor of one-fourth to A. E. Watson, St. Louis, Mo. Railway-rail and joint-truss therefor. No. 908,298; Dec. 29; Sp. p. 6337; Gaz. vol. 137; p. 2142.
- Massie, W. W., assignor to Massie Wireless Telegraph Co., Providence, R. I. Combined tuning-coil and condenser. No. 886,302; Apr. 28; Sp. p. 5391; Dr. p. 1132; Gaz. vol. 133; p. 2140.
- Massie, W. W., assignor to Massie Wireless Telegraph Co., Providence, R. I. Spark-gap apparatus. No. 886,303; Apr. 28; Sp. p. 5393; Dr. p. 1132; Gaz. vol. 133; p. 2140.
- Massie Wireless Telegraph Co. (See Massie, W. W., assignor.)
- Massimino, V., Charleston, W. Va. Welding fluid. No. 905,729; Dec. 1; Sp. p. 1224; Gaz. vol. 137; p. 1181.
- Masson, J. R., Wandong, Victoria, Australia. Wet process of recovering antimony in a pure state from ores, concentrates, tailings, and slimes containing it. No. 890,432; June 9; Sp. p. 2491; Gaz. vol. 134; p. 1486.
- Massoth, J., Chicago, Ill. Game-board. No. 892,669; July 7; Sp. p. 540; Dr. p. 114; Gaz. vol. 135; p. 95.
- Mast, L. L., West Milton, Ohio. Lightning-rod. No. 877,442; Jan. 21; Sp. p. 3600; Dr. p. 780; Gaz. vol. 132; p. 655.
- Mastele, K., Pittsburg, Pa. Belt and belt-fastener. No. 899,831; Sept. 29; Sp. p. 5145; Dr. p. 1101; Gaz. vol. 136; p. 966.
- Masteller, J. M., Philadelphia, Pa. Manufacturing hames. No. 896,651; Aug. 18; Sp. p. 3705; Dr. p. 797; Gaz. vol. 135; p. 1550.
- Masterman, C. E. (See Molesworth and Masterman.)
- Masters, G. A., Chicago, Ill. Fence. No. 904,630; Nov. 24; Sp. p. 4303; Gaz. vol. 137; p. 783.
- Masters, R., White Pine, Tenn. Bag-lock. No. 892,534; July 7; Sp. p. 276; Dr. p. 61; Gaz. vol. 135; p. 51.
- Mastick, E. A., Jr., Cleveland, Ohio. Advertising device. No. 898,757; Sept. 15; Sp. p. 3036; Dr. p. 651; Gaz. vol. 136; p. 552.
- Mastick, S. C. (See Ashley, R. W., assignor.)
- Mastin, G. C., *et al.* (See Bunnell, M. G., assignor.)
- Mastin, J. G., Chicago, Ill. Chemical fire-pail. No. 886,385; May 5; Sp. p. 86; Dr. p. 17; Gaz. vol. 134; p. 19.
- Mastin, J. G., Chicago, Ill. Fire-extinguisher. No. 890,153; June 9; Sp. p. 1921; Dr. p. 424; Gaz. vol. 134; p. 1396.
- Mastin, J. G., Chicago, Ill. Fire-extinguisher. No. 890,154; June 9; Sp. p. 1922; Dr. p. 424; Gaz. vol. 134; p. 1396.
- Mastin, J. G., Chicago, Ill. Fire-extinguisher. No. 890,155; June 9; Sp. p. 1924; Dr. p. 424; Gaz. vol. 134; p. 1397.
- Masurel-Leclercq, G., Roubaix, France. Sizing-machine. No. 890,782; June 16; Sp. p. 3241; Dr. pp. 708-9; Gaz. vol. 134; p. 1634.
- Matak, R., *et al.* (See Anderson and Johnson, assignors.)
- Matak, W., *et al.* (See Anderson and Johnson, assignors.)
- Matchan, G. L., *et al.* (See Pattee, W. G., assignor.)
- Matchette, F. J. (See Mouks, C., assignor.)
- Matchette, F. J., and C. Mouks, Milwaukee, Wis.; said Mouks assignor to said Matchette. Pneumatic brush. No. 876,371; Jan. 14; Sp. p. 1355; Dr. p. 295; Gaz. vol. 132; p. 256.
- Mateer, J. E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer-coil insulation. No. 885,771; Apr. 28; Sp. p. 4326; Dr. p. 907; Gaz. vol. 133; p. 1963.
- Mateka, J., Chicago, Ill. Feed-bucket. No. 879,784; Feb. 18; Sp. p. 3881; Dr. p. 814; Gaz. vol. 132; p. 1539.

Alphabetical list of patentees—Continued.

- Mather, A. C., Chicago, Ill. Draft-rigging. No. 906,643; Dec. 15; Sp. p. 2950; Gaz. vol. 137; p. 1533.
- Mather, G. C., assignor of one-half to W. W. Hurd, Chicago, Ill. Roll toilet-paper. No. 877,853; Jan. 28; Sp. p. 4399; Dr. p. 957; Gaz. vol. 132; p. 807.
- Mather & Platt. (See Hopkinson and Frith, assignors.)
- Mather, W. A. (See Farmer, L. C., assignor.)
- Mathers, A. S., Arlington, Mont. Mop head and wringer. No. 885,937; Apr. 28; Sp. p. 4674; Dr. p. 985; Gaz. vol. 133; p. 2019.
- Mathers, E. A., assignor to E. E. Smith, Philadelphia, Pa. Dump-cart. No. 879,826; Feb. 18; Sp. p. 3975; Dr. p. 832; Gaz. vol. 132; p. 1554.
- Mathers, W. H. (See Nelson and Mathers.)
- Matheson, D. S., *et al.* (See Douglass, A. A., Jr., and D. F., assignors.)
- Matheson Motor Car Company. (See Greuter, C. R., assignor.)
- Matheson, P. M., San Juan, Porto Rico. Card-holder. No. 898,758; Sept. 15; Sp. p. 3037; Dr. p. 651; Gaz. vol. 136; p. 552.
- Matheus, K., Chicago, Ill. Piston. No. 902,310; Oct. 27; Sp. p. 4691; Dr. p. 950; Gaz. vol. 136; p. 1897.
- Matheus, K., and E. T. Hendee, Chicago, Ill. Piston. No. 882,572; Mar. 24; Sp. p. 4135; Dr. p. 877; Gaz. vol. 133; p. 775.
- Mathews Gravity Carrier Company. (See Courtney, W. E., assignor.)
- Mathews Gravity Carrier Company. (See Mathews and Lister, assignors.)
- Mathews, H. (See Davis, W. F., assignor.)
- Mathews, J. L. (See Lane and Mathews.)
- Mathews, R. P., and C. H. Lister, assignors to Mathews Gravity Carrier Company, St. Paul, Minn. Gravity-carrier. No. 890,917; June 16; Sp. p. 3501; Dr. p. 767; Gaz. vol. 134; p. 1677.
- Mathews, W. P., Kernersville, N. C. Driving mechanism for traction-engines. No. 887,410; May 12; Sp. p. 2212; Dr. p. 463; Gaz. vol. 134; p. 382.
- Mathewson, J. E., Broadheath, England, assignor to B. C., Jr., and R. Tilghman, Philadelphia, Pa. Apparatus for drying molds. No. 903,391; Nov. 10; Sp. p. 1699; Gaz. vol. 137; p. 311.
- Mathey, A. E., Boston, Mass. Stringed instrument. No. 885,269; Apr. 21; Sp. p. 3298; Dr. p. 689; Gaz. vol. 133; p. 1774.
- Mathey, F., New York, N. Y. Sausage-machine. No. 897,120; Aug. 25; Sp. p. 4734; Dr. p. 1009; Gaz. vol. 135; p. 1731.
- Mathias, M. B., East Oakland, Cal. Nest. No. 907,837; Dec. 29; Sp. p. 5367; Gaz. vol. 137; p. 1990.
- Mathiesen, N. M., Copenhagen, Denmark. Safety-suit comprising articles of dress, girdles, &c. No. 895,480; Aug. 11; Sp. p. 1423; Dr. p. 297; Gaz. vol. 135; p. 1152.
- Mathieson, C. (See Lenschow and Mathieson.)
- Mathis, J. M., and E. M. Staggs, Sterling City, Tex. Lock-nut. No. 889,705; June 2; Sp. p. 1016; Dr. p. 235; Gaz. vol. 134; p. 1222.
- Mathison, A., Rockford, S. D. Sparkless smoke-stack for traction-engines. No. 897,385; Sept. 1; Sp. p. 297; Dr. p. 61; Gaz. vol. 136; p. 45.
- Mathison, J., Boston, Mass., assignor to Rowen-Mathison Machinery Company. Feeding device. No. 902,827; Nov. 3; Sp. p. 581; Gaz. vol. 137; p. 99.
- Mathison, J., Boston, Mass., assignor to Rowen-Mathison Machinery Company. Machine for sewing buttons to the uppers of boots or shoes. No. 902,828; Nov. 3; Sp. p. 583; Gaz. vol. 137; p. 100.
- Mathison, J., Boston, Mass., assignor to Rowen-Mathison Machinery Company. Attaching buttons to the uppers of boots or shoes. No. 907,385; Dec. 22; Sp. p. 4403; Gaz. vol. 137; p. 1810.
- Mathy, J. (See Waters, J. A., assignor.)
- Matlak, A. (See Wisniewski and Matlak.)
- Matlock, N. P., assignor of one-fourth to A. MacLean, Chickasha, Okla. Fire-extinguisher. No. 894,677; July 28; Sp. p. 4790; Dr. p. 995; Gaz. vol. 135; p. 835.
- Matoushek, F., Gregory, S. D. Nut-lock. No. 904,548; Nov. 24; Sp. p. 4141; Gaz. vol. 137; p. 755.
- Matson, A., and F. Bronson, Whittemore, Iowa. Ditching or tile-laying machine. No. 905,551; Dec. 1; Sp. p. 891; Gaz. vol. 137; p. 1126.
- Matson, C. I., Chicago, Ill. Necktie-holder. No. 887,108; May 12; Sp. p. 1539; Dr. p. 325; Gaz. vol. 134; p. 282.
- Matson, C. I., Chicago, Ill. Amusement apparatus. No. 897,121; Aug. 25; Sp. p. 4737; Dr. p. 1009; Gaz. vol. 135; p. 1731.
- Matson, W. G., Kennett Square, Pa. Wire-stretcher. No. 896,927; Aug. 25; Sp. p. 4337; Dr. p. 929; Gaz. vol. 135; p. 1667.
- Mattenclot, R. von. (See Wurl and Mattenclot.)
- Matter, E. P., Alexandria, Va. Electric block-signal. No. 881,138; Mar. 10; Sp. p. 1294; Dr. p. 279; Gaz. vol. 133; p. 249.
- Matter, P. J., Coswig, Germany. Electric signaling apparatus for railways. No. 886,620; May 5; Sp. p. 549; Dr. p. 116; Gaz. vol. 134; p. 97.
- Matteson, J., South Hartford, N. Y. Ice-creeper. No. 883,556; Mar. 31; Sp. p. 6155; Dr. p. 1308; Gaz. vol. 133; p. 1126.
- Matteson, J. V., Fruitvale, Cal. Stair. No. 888,920; May 26; Sp. p. 5249; Dr. p. 1113; Gaz. vol. 134; p. 939.
- Matthes, S., and J. B. Rinehart, Mansfield, Ohio. Valve. No. 882,831; Mar. 24; Sp. p. 4655; Dr. p. 991; Gaz. vol. 133; p. 861.
- Matthews, A. T., Worcester, Mass. Ball-bearing. No. 878,652; Feb. 11; Sp. p. 1637; Dr. p. 336; Gaz. vol. 132; p. 1133.
- Matthews, C., Mattoon, Ill. Perch-support. No. 898,586; Sept. 15; Sp. p. 2710; Dr. p. 579; Gaz. vol. 136; p. 497.
- Matthews, C. J., Grand Rapids, Mich. Lubricator. No. 880,680; Mar. 3; Sp. p. 376; Dr. p. 82; Gaz. vol. 133; p. 67.
- Matthews, C. J., Grand Rapids, Mich. Water-gate. No. 902,894; Nov. 3; Sp. p. 741; Gaz. vol. 137; p. 122.
- Matthews, D., *et al.* (See James, T., assignor.)
- Matthews, E. J., and R. C. Gruwell, Stockton, Cal. Trolley-pulley. No. 878,653; Feb. 11; Sp. p. 1639; Dr. p. 336; Gaz. vol. 132; p. 1134.
- Matthews, F. C. (See Wehrlien and Matthews.)
- Matthews, F. I., assignor to Oakland Stamp Mill Co. Oakland, Cal. Stamp-mill. No. 891,497; June 23; Sp. p. 4687; Dr. p. 1015; Gaz. vol. 134; p. 1900.
- Matthews, F. W. (See Philpot and Matthews.)
- Matthews, G. (See Collison and Matthews.)
- Matthews, H. C., Salt Lake City, Utah. Truss for iron structures. No. 878,221; Feb. 4; Sp. p. 675; Dr. p. 139; Gaz. vol. 132; p. 955.
- Matthews, H. E. and W. P. Salda, Colo. Car-replacer. No. 878,409; Feb. 4; Sp. p. 1040; Dr. p. 210; Gaz. vol. 132; p. 1019.
- Matthews, J. H. (See Mues and Matthews.)
- Matthews, J. L., Baltimore, Md. Smoke-cleaning device. No. 899,882; Sept. 29; Sp. p. 5256; Dr. p. 1124; Gaz. vol. 136; p. 982.
- Matthews, J. T., *et al.* (See Benford, R. B., assignor.)
- Matthews, J. W., Brady, Tex. Gate. No. 895,386; Aug. 4; Sp. p. 1214; Dr. p. 256; Gaz. vol. 135; p. 1097.
- Matthews, K., Auckland, New Zealand. Preparing fibers. No. 884,401; Apr. 14; Sp. p. 1482; Dr. p. 317; Gaz. vol. 133; p. 1459.
- Matthews, L., Paris, Tenn. Splash-pan for bathing-tubs. No. 897,639; Sept. 1; Sp. p. 807; Dr. p. 170; Gaz. vol. 136; p. 128.
- Matthews, M., Bracondale, Ontario, Canada. Elastic-fluid turbine. No. 888,248; May 19; Sp. p. 3834; Dr. p. 805; Gaz. vol. 134; p. 686.
- Matthews, R. C., Peru, assignor to La Salle Machine & Tool Company, La Salle, Ill. Surface-grinding machine. No. 876,372; Jan. 14; Sp. p. 1357; Dr. p. 296; Gaz. vol. 132; p. 257.
- Matthews, W. P. (See Matthews, H. E. and W. P.)
- Matthews, W. R., assignor to McConway & Torley Company, Pittsburg, Pa. Coupling-centering and draft-rigging device. No. 907,072; Dec. 15; Sp. p. 3755; Gaz. vol. 137; p. 1669.
- Matthews, W. R., assignor to McConway & Torley Company, Pittsburg, Pa. Coupling-release rigging. No. 907,838; Dec. 29; Sp. p. 5369; Gaz. vol. 137; p. 1990.
- Matthias, E. A., Liverpool, England. Stoppering bottles or other vessels. No. 900,110; Oct. 6; Sp. p. 80; Dr. p. 16; Gaz. vol. 136; p. 1087.
- Matthias, M. C., Van Wert, Ohio. Game-board. No. 898,587; Sept. 15; Sp. p. 2710; Dr. p. 579; Gaz. vol. 136; p. 498.
- Matthias, W. C., assignor to O. M. Weand, Reading, Pa. Sewage-disposal apparatus. No. 890,433; June 9; Sp. p. 2491; Dr. pp. 551-2; Gaz. vol. 134; p. 1486.
- Matthias, W. C., assignor to O. M. Weand, Reading, Pa. Sprinkler. No. 905,203; Dec. 1; Sp. p. 165; Gaz. vol. 137; p. 1010.
- Mattingley, R. S., Rockport, Ind. Plow attachment. No. 880,556; Mar. 3; Sp. p. 124; Dr. p. 28; Gaz. vol. 133; p. 25.
- Mattis, J. M., Tripp, S. D. Cow-milker. No. 878,222; Feb. 4; Sp. p. 676; Dr. p. 139; Gaz. vol. 132; p. 956.
- Mattison, R. V., Upper Dublin, assignor to Keasbey & Mattison Company, Ambler, Pa. Artificial flooring. No. 898,381; Sept. 8; Sp. p. 2295; Dr. p. 488; Gaz. vol. 136; p. 399.
- Mattman, E., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 891,847; June 30; Sp. p. 5428; Dr. p. 1173; Gaz. vol. 134; p. 2047.
- Mattox, L. S., Plainfield, N. J. Sash-lock. No. 880,318; Feb. 25; Sp. p. 5005; Dr. p. 1056; Gaz. vol. 132; p. 1749.
- Matress, B., Yager, Cal. Clipper. No. 877,658; Jan. 28; Sp. p. 4047; Dr. p. 875; Gaz. vol. 132; p. 745.
- Matts, G. E., Newark, N. J. Fishing-reel. No. 900,563; Oct. 6; Sp. p. 1059; Dr. pp. 217-18; Gaz. vol. 136; p. 1235.
- Matten, A. (See Jensen, J., assignor.)
- Mattson, A. M., assignor to United States Fastener Company, Boston, Mass. Fastener. No. 887,209; May 12; Sp. p. 1710; Dr. p. 363; Gaz. vol. 134; p. 313.
- Mattson, J., Redmond, Wash. Logging-block. No. 880,805; Mar. 3; Sp. p. 640; Dr. p. 134; Gaz. vol. 133; p. 110.
- Mattson, J., Dresser Junction, Wis. Butter-packing machine. No. 899,119; Sept. 22; Sp. p. 3696; Dr. pp. 792-3; Gaz. vol. 136; p. 698.
- Matty, M. H. (See Decker and Matty.)
- Matzke, T., Disteln, assignor to Sieg-Rheinische Hütten Actiengesellschaft, Friedrich Wilhelms-Hütte, Germany. Rope-drum of hoisting-engines. No. 876,072; Jan. 7; Sp. p. 760; Dr. p. 162; Gaz. vol. 132; p. 129.

Alphabetical list of patentees—Continued.

- Mauck, C. K., *et al.* (See Secrest, J. A., assignor.)
 Mauer, G. J. (See Wroe, J. P., assignor.)
 Mauger, H. J. (See Andrews and Mauger.)
 Mauger, S. W., Schenectady, N. Y., assignor to General Electric Company. Switching electric currents. No. 890,783; June 16; Sp. p. 3243; Dr. pp. 709-10; Gaz. vol. 134; p. 1635.
 Maughan, W., Alston, England. Mud-guard for motor-cycles. No. 902,592; Nov. 3; Sp. p. 129; Gaz. vol. 137; p. 21.
 Mauk, C. H., Harrisburg, Pa. Stamp-moistener. No. 902,671; Nov. 3; Sp. p. 271; Gaz. vol. 137; p. 46.
 Mauldin, J. H., Falkner, Miss. Fender. No. 892,280; June 30; Sp. p. 6273; Dr. p. 1350; Gaz. vol. 134; p. 2190.
 Maunsby, G. O., Birmingham, Ala. Cushion-tire for vehicle-wheels. No. 905,730; Dec. 1; Sp. p. 1224; Gaz. vol. 137; p. 1181.
 Maurer, E., New York, N. Y. Fog-penetrating light. No. 891,558; June 23; Sp. p. 4815; Dr. p. 1039; Gaz. vol. 134; p. 1919.
 Maurer, H. W., assignor to Taylor Instrument Companies, Rochester, N. Y. Device for attaching thermometers to tanks, vats, or the like. No. 899,313; Sept. 22; Sp. p. 4103; Dr. p. 877; Gaz. vol. 136; p. 761.
 Maurer, J. E., assignor of two-thirds to J. A. Craig, Johnsonburg, Pa. Packing-box for paper-beaters. No. 891,848; June 30; Sp. p. 5429; Dr. p. 1174; Gaz. vol. 134; p. 2048.
 Maurer, J. H., Oakland, Cal. Machine for cutting butter, &c. No. 883,037; Mar. 24; Sp. p. 5057; Dr. p. 1078; Gaz. vol. 133; p. 928.
 Maus, D., Worcester, Mass. Device for turning the primary folds for hems. No. 877,659; Jan. 28; Sp. p. 4048; Dr. p. 875; Gaz. vol. 132; p. 746.
 Maus, M. F., Lynbrook, N. Y. Means for propelling vessels. No. 876,470; Jan. 14; Sp. p. 1581; Dr. pp. 339-40; Gaz. vol. 132; p. 290.
 Mauser Manufacturing Co. (See Kolb, G. F., assignor.)
 Mauser, P., Oberndorf-on-the-Neckar, Germany. Recoil-loading small-arm. No. 903,998; Nov. 17; Sp. p. 2964; Gaz. vol. 137; p. 542.
 Mauss, W., Brakpan, Transvaal. Chuck. No. 878,654; Feb. 11; Sp. p. 1640; Dr. p. 336; Gaz. vol. 132; p. 1134.
 Mauley, J. P., Seattle, Wash. Water-heater. No. 878,975; Feb. 11; Sp. p. 2235; Dr. p. 468; Gaz. vol. 132; p. 1236.
 Mavis, G. R., Wymore, Nebr. Railway cross-tie. No. 889,028; May 26; Sp. p. 5443; Dr. p. 1157; Gaz. vol. 134; p. 972.
 Mawhinney, F., Topeka, Kans. Bouquet-holder. No. 875,719; Jan. 7; Sp. p. 81; Dr. p. 17; Gaz. vol. 132; p. 18.
 Max Elb, Gesellschaft mit beschränkter Haftung. (See Zucker, A., assignor.)
 Max, J., Mile End, London, England. Portable ladder or inclined way for raising and lowering barrels, &c. No. 876,373; Jan. 14; Sp. p. 1358; Dr. p. 296; Gaz. vol. 132; p. 257.
 Maxant, F., Allegheny, Pa. Friction-clutch. No. 885,938; Apr. 28; Sp. p. 4676; Dr. p. 985; Gaz. vol. 133; p. 2019.
 Maxfield, H. H., and G. C. Gardner, Jr., Trenton, N. J. Portable jib-crane. No. 896,406; Aug. 18; Sp. p. 3240; Dr. pp. 694-5; Gaz. vol. 135; p. 1472.
 Maxfield, J. R., Grand Saline, Tex. Permutation-lock. No. 879,785; Feb. 18; Sp. p. 3883; Dr. p. 814; Gaz. vol. 132; p. 1540.
 Maxfield, S., assignor of one-half to J. Neahr, Gloversville, N. Y. Device for exhibiting memoranda. No. 877,443; Jan. 21; Sp. p. 3601; Dr. p. 780; Gaz. vol. 132; p. 655.
 Maxham, L. M., Boston, Mass. Safety appliance for street-cars. No. 902,156; Oct. 27; Sp. p. 4358; Dr. pp. 882-3; Gaz. vol. 136; p. 1846.
 Maxham, L. M., Boston, Mass. Self-acting fender. No. 906,047; Dec. 8; Sp. p. 1834; Gaz. vol. 137; p. 1315.
 Maxim, H., New York, N. Y. Time-fuse for projectiles. No. 904,492; Nov. 17; Sp. p. 4027; Gaz. vol. 137; p. 710.
 Maxim, H., London, England. Fuse for projectiles. No. 907,158; Dec. 22; Sp. p. 3940; Gaz. vol. 137; p. 1732.
 Maxim, H. P., Hartford, Conn. Silent firearm. No. 880,386; Feb. 25; Sp. p. 5132; Dr. p. 1084; Gaz. vol. 132; p. 1770.
 Maxon, C. M., Walworth, Wis. Coupon-holder. No. 901,019; Oct. 13; Sp. p. 2013; Dr. p. 408; Gaz. vol. 136; p. 1411.
 Maxson, L. C. (See Hall, A. R., assignor.)
 Maxstadt, F. W., Jr. (See Maxstadt, F. W. and F. W., Jr.)
 Maxstadt, F. W., Los Angeles, Cal., assignor, by mesne assignments, to F. B. Cook, Chicago, Ill. Sleeve for joining wire ends. No. 878,816; Feb. 11; Sp. p. 1944; Dr. p. 402-3; Gaz. vol. 132; p. 1186.
 Maxstadt, F. W. and F. W., Jr., New York, N. Y. Electric signaling. No. 887,681; May 12; Sp. p. 2729; Dr. p. 577; Gaz. vol. 134; p. 471.
 Maxsted, C. H., Oakland, Windermere, England. Narrow-ware loom. No. 877,511; Jan. 28; Sp. p. 3746; Dr. pp. 811-12; Gaz. vol. 132; p. 697.
 Maxted, G. V., *et al.* (See Clarke, E. J., assignor.)
 Maxwell, A., Piqua, Ohio. Dumping-wagon. No. 904,793; Nov. 24; Sp. p. 4661; Gaz. vol. 137; p. 837.
 Maxwell, A. A., New York, N. Y. Guide-chart for garment-patterns. No. 885,167; Apr. 21; Sp. p. 3090; Dr. p. 650; Gaz. vol. 133; p. 1740.
 Maxwell, A. D. (See Jackson and Maxwell.)
 Maxwell Briscoe Motor Company. (See Maxwell, J. D., assignor.)
 Maxwell, E. B., Pinckneyville, Ill. Fence construction. No. 876,203; Jan. 7; Sp. p. 1010; Dr. p. 219; Gaz. vol. 132; p. 172.
 Maxwell, G. W., San Francisco, Cal. Paper receptacle. No. 902,754; Nov. 3; Sp. p. 434; Gaz. vol. 137; p. 75.
 Maxwell, G. R., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Winding for dynamo-electric machines. No. 905,900; Dec. 8; Sp. p. 1562; Gaz. vol. 137; p. 1269.
 Maxwell, H. A., Medford, Mass. Draft-tube. No. 886,386; May 5; Sp. p. 87; Dr. p. 18; Gaz. vol. 134; p. 19.
 Maxwell, J., Oneida, N. Y. Burial-case. No. 876,822; Jan. 14; Sp. p. 2300; Dr. p. 506; Gaz. vol. 132; p. 407.
 Maxwell, J. D., Tarrytown, N. Y. Exhaust and signal control. No. 896,455; Aug. 18; Sp. p. 3335; Dr. p. 717; Gaz. vol. 135; p. 1489.
 Maxwell, J. D., Tarrytown, N. Y. Tire-fastener. No. 905,204; Dec. 1; Sp. p. 166; Gaz. vol. 137; p. 1010.
 Maxwell, J. D., Tarrytown, assignor to Maxwell Briscoe Motor Company, North Tarrytown, N. Y. Cooler for automobiles and the like. No. 892,864; July 7; Sp. p. 944; Dr. p. 199; Gaz. vol. 135; p. 158.
 Maxwell, J. D., Tarrytown, assignor to Maxwell Briscoe Motor Company, North Tarrytown, N. Y. Clutch and clutch-operating mechanism. No. 905,446; Dec. 1; Sp. p. 676; Gaz. vol. 137; p. 1092.
 Maxwell, J. D., Tarrytown, assignor to Maxwell Briscoe Motor Company, New York, N. Y. Gearing. No. 907,616; Dec. 22; Sp. p. 4906; Gaz. vol. 137; p. 1884.
 Maxwell, J. G., Washington, Pa. Steering mechanism. No. 898,249; Sept. 8; Sp. p. 2065; Dr. p. 438; Gaz. vol. 136; p. 356.
 Maxwell, J. W., Williamsport, Pa. Manufacturing steel. No. 900,564; Oct. 6; Sp. p. 1063; Gaz. vol. 136; p. 1235.
 Maxwell, L. H., New Britain, Conn. Boot-calk. No. 892,173; June 30; Sp. p. 6054; Dr. p. 1304; Gaz. vol. 134; p. 2154.
 Maxwell, M. P., Halsey, Oreg. Grinding attachment for check-valves. No. 884,942; Apr. 14; Sp. p. 2599; Dr. p. 549; Gaz. vol. 133; p. 1633.
 Maxwell, W. E., and J. M. Rowell, Wylam, Ala. Lifting-jack. No. 879,396; Feb. 18; Sp. p. 3075; Dr. p. 639; Gaz. vol. 132; p. 1412.
 Maxwell, W. H., Kalamazoo, Mich. Angle-metal folding bench. No. 882,010; Mar. 17; Sp. p. 3074; Dr. p. 653; Gaz. vol. 133; p. 561.
 Maxwell, W. T., assignor of one-half to G. W. Eberhardt, Pittsburg, Pa. Antislipping device for tires. No. 877,512; Jan. 28; Sp. p. 3750; Dr. p. 812; Gaz. vol. 132; p. 698.
 Maxwell, W. T., assignor of three-eighths to G. W. Eberhardt, Pittsburg, Pa. Gas-engine. No. 878,888; Feb. 11; Sp. p. 2075; Dr. p. 432; Gaz. vol. 132; p. 1209.
 May, A., Macedonia, Iowa, assignor to Oliver Typewriter Company, Chicago, Ill. Printing-point indicator for type-writers. No. 893,256; July 14; Sp. p. 1755; Dr. p. 370; Gaz. vol. 135; p. 316.
 May, D., Philadelphia, Pa. Bulkhead-door. No. 898,666; Sept. 15; Sp. p. 2873; Dr. p. 614; Gaz. vol. 136; p. 523.
 May, E., Shryock, W. Va. Rail-point. No. 899,883; Sept. 29; Sp. p. 5258; Dr. p. 1124; Gaz. vol. 136; p. 982.
 May, H. H., New Albin, Iowa. Trap. No. 877,787; Jan. 28; Sp. p. 4276; Dr. p. 929; Gaz. vol. 132; p. 785.
 May, H. H., New Albin, Iowa. Animal-trap. No. 907,516; Dec. 22; Sp. p. 4674; Gaz. vol. 137; p. 1853.
 May, J. F., Newton, Kans. Absorbing composition and making same. No. 892,754; July 7; Sp. p. 713; Gaz. vol. 135; p. 123.
 May, J. H., assignor of one-third to H. Hoffman, Orient, S. D. Boat. No. 907,073; Dec. 15; Sp. p. 3758; Gaz. vol. 137; p. 1669.
 May, J. M. (See May, N. W., assignor.)
 May, J. S., Chicago, Ill. Mirror. No. 884,512; Apr. 14; Sp. p. 1709; Dr. p. 367; Gaz. vol. 133; p. 1494.
 May, M. (See Griffiths, S. M., assignor.)
 May, M. (See Loeb, M., assignor.)
 May Manton Pattern Company. (See Laub, G. M., assignor.)
 May, N. W., Little Springs, assignor of one-half to J. M. May, Brookhaven, Miss. Spoke-socket. No. 886,715; May 5; Sp. p. 778; Dr. p. 159; Gaz. vol. 134; p. 130.
 Maybach, K., Paris, France. Friction coupling and brake. No. 907,074; Dec. 15; Sp. p. 3760; Gaz. vol. 137; p. 1669.
 Maybach, W., Cannstatt, assignor to Daimler Motoren-gesellschaft, Untertürkheim-Stuttgart, Germany. Device for the relief of wagon-springs. No. 881,252; Mar. 10; Sp. p. 1519; Dr. pp. 326-7; Gaz. vol. 133; p. 286.
 Maybaum, L., Newark, N. J. Buckle. No. 894,027; July 21; Sp. p. 3454; Dr. p. 756; Gaz. vol. 135; p. 601.
 Mayberry, F. E., West Medford, and N. H. Holland, Brookline, assignors to Boston Telephone Selector Company, Boston, Mass. Telephone system. No. 885,270; Apr. 21; Sp. p. 3300; Dr. p. 690; Gaz. vol. 133; p. 1775.
 Mayberry, J. B., Houston, Tex. Housing for electric alarm mechanism. No. 885,631; Apr. 21; Sp. p. 4022; Dr. p. 840; Gaz. vol. 133; p. 1888.
 Mayberry, T. G. and W. H., Reading, Pa. Pleasure-railway. No. 879,283; Feb. 18; Sp. p. 2837; Dr. p. 595; Gaz. vol. 132; p. 1376.
 Mayberry, U. G., assignor of one-fourth to J. Jenkins, Lexington, Okla. Rotary engine. No. 890,918; June 16; Sp. p. 3503; Dr. p. 767; Gaz. vol. 134; p. 1677.

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- Mayberry, W. H. (See Mayberry, T. G. and W. H.)
- Mayer, A., *et al.* (See Felix, A. A., assignor.)
- Mayer, A. R., assignor to E. G. Soltmann, New York, N. Y. Composition of matter for the removal of ink. No. 878,817; Feb. 11; Sp. p. 1947; Gaz. vol. 132; p. 1186.
- Mayer, A. T., St. Louis, Mo. Davenport-bed. No. 891,351; June 23; Sp. p. 4393; Dr. pp. 956-7; Gaz. vol. 134; p. 1851.
- Mayer, B., and A. Schaarschmidt, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Orange-to-yellow vat dye and making same. No. 902,895; Nov. 3; Sp. p. 743; Gaz. vol. 137; p. 123.
- Mayer, C. G., Hazleton, Pa. Rotary motor. No. 889,944; June 9; Sp. p. 1484; Dr. pp. 336-7; Gaz. vol. 134; p. 1325.
- Mayer, E. (See Mayer, I. and E.)
- Mayer, G., Kimball, Minn. Stove-lid and pot lifter. No. 896,133; Aug. 18; Sp. p. 2691; Dr. p. 581; Gaz. vol. 135; p. 1384.
- Mayer, G. J., assignor to E. C. Atkins & Company, Indianapolis, Ind. Means for joining sections of sectional knives. No. 904,442; Nov. 17; Sp. p. 3906; Gaz. vol. 137; p. 693.
- Mayer, G. J., assignor of nine-twentieths to D. R. Clark and H. Mayer, Buffalo, N. Y. Gasolene-feed chamber for carbureters. No. 896,652; Aug. 18; Sp. p. 3706; Dr. pp. 797-8; Gaz. vol. 135; p. 1550.
- Mayer, H., *et al.* (See Mayer, G. J., assignor.)
- Mayer, I. and E., Vienna, Austria-Hungary. Steam-trap. No. 882,400; Mar. 17; Sp. p. 3800; Dr. pp. 811-12; Gaz. vol. 133; p. 686.
- Mayer, J., Braddock, Pa. Rail-joint. No. 894,160; July 21; Sp. p. 3704; Dr. p. 768; Gaz. vol. 135; p. 644.
- Mayer, J., Rutherford, N. J. Electric railway. No. 894,964; Aug. 4; Sp. p. 374; Dr. p. 76; Gaz. vol. 135; p. 956.
- Mayer, J. T., New York, N. Y. Hanger. No. 901,720; Oct. 20; Sp. p. 3492; Dr. p. 706; Gaz. vol. 136; p. 1677.
- Mayer, J. T., assignor to J. & C. Fischer, New York, N. Y. Operating connection for pedal-hiding panels. No. 890,678; June 16; Sp. p. 3006; Dr. p. 660; Gaz. vol. 134; p. 1599.
- Mayer, L., Mankato, Minn. Windlass and grapple device for moving excavating apparatus. No. 903,597; Nov. 10; Sp. p. 2136; Gaz. vol. 137; p. 379.
- Mayer, M., New York, N. Y. Card-holder. No. 892,174; June 30; Sp. p. 6065; Dr. p. 1304; Gaz. vol. 134; p. 2154.
- Mayer, M., New York, N. Y. Display-rack. No. 900,406; Oct. 6; Sp. p. 704; Dr. p. 146; Gaz. vol. 136; p. 1183.
- Mayer, M., New York, N. Y. Display-rack. No. 901,721; Oct. 20; Sp. p. 3493; Dr. p. 707; Gaz. vol. 136; p. 1677.
- Mayer, M., Syracuse, N. Y. Boring-tool. No. 895,778; Aug. 11; Sp. p. 2010; Dr. p. 426; Gaz. vol. 135; p. 1248.
- Mayer, P. A., Mülhausen, Germany. Ring spinning and twisting machine. No. 905,205; Dec. 1; Sp. p. 168; Gaz. vol. 137; p. 1010.
- Mayer, T. A., Washington, D. C. Refrigerator. No. 884,029; Apr. 7; Sp. p. 731; Dr. p. 147; Gaz. vol. 133; p. 1309.
- Mayer, T. A., Washington, D. C. Safety apparatus for cars. No. 899,228; Sept. 22; Sp. p. 3918; Dr. p. 837; Gaz. vol. 136; p. 733.
- Mayer, W., Chicago, Ill. Pulley. No. 886,831; May 5; Sp. p. 1009; Dr. p. 212; Gaz. vol. 134; p. 165.
- Mayer, W., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Ammunition-vehicle. No. 896,560; Aug. 18; Sp. p. 3547; Dr. p. 762; Gaz. vol. 135; p. 1523.
- Mayer, W. H., and I. O. Burch, Kansas, Ill. Rail-tie. No. 898,982; Sept. 15; Sp. p. 3440; Dr. p. 738; Gaz. vol. 136; p. 626.
- Mayer, W. S., assignor to Machen & Mayer Electrical Manufacturing Company, Philadelphia, Pa. Electric snap-switch. No. 892,670; July 7; Sp. p. 541; Dr. p. 114; Gaz. vol. 135; p. 96.
- Mayer, W. S., assignor to Machen & Mayer Electrical Manufacturing Company, Philadelphia, Pa. Plug for electrical connections. No. 892,755; July 7; Sp. p. 714; Dr. p. 151; Gaz. vol. 135; p. 123.
- Mayerle, G., San Francisco, Cal. Card-exhibiting device. No. 876,278; Jan. 7; Sp. p. 1159; Dr. p. 253; Gaz. vol. 132; p. 195.
- Mayers, K. L., St. Louis, Mo. Syringe. No. 900,182; Oct. 6; Sp. p. 234; Dr. p. 47; Gaz. vol. 136; p. 1110.
- Mayers, K. L., and M. B. Benas, St. Louis, Mo. Vaginal syringe. No. 900,565; Oct. 6; Sp. p. 1064; Dr. p. 218; Gaz. vol. 136; p. 1235.
- Mayer, H. C., Philadelphia, Pa. Straw holder and dispenser. No. 900,866; Oct. 13; Sp. p. 1696; Dr. pp. 342-3; Gaz. vol. 136; p. 1360.
- Mayette, E., Canisteo, assignor of one-half to F. J. Nelson, Hornell, N. Y. Amusement apparatus. No. 896,407; Aug. 18; Sp. p. 3242; Dr. p. 695; Gaz. vol. 135; p. 1473.
- Mayette, E., Canisteo, assignor to H. F. Granger and F. J. Nelson, Hornell, N. Y. Furniture. No. 885,271; Apr. 21; Sp. p. 3307; Dr. p. 690; Gaz. vol. 133; p. 1775.
- Mayhew, F. J. (See Taylor, H. H., assignor.)
- Mayhew, J. D., assignor of two-thirds to J. L. Booty, Tyler, Tex., C. W. Dawley, McAlester, Okla., and P. G. Whaley and W. L. Martin, Marshall, Tex. Refrigerating apparatus. No. 906,906; Dec. 15; Sp. p. 3460; Gaz. vol. 137; p. 1617.
- Mayhew, P. G., Grand Rapids, Mich. Shoe. No. 886,716; May 5; Sp. p. 773; Dr. pp. 159-60; Gaz. vol. 134; p. 130.
- Mayhew, T., Detroit, Mich. Steering-gear. No. 896,844; Aug. 25; Sp. p. 4146; Dr. p. 888; Gaz. vol. 135; p. 1639.
- Mayhew, T., assignor to American Promoting Company, Detroit, Mich. Toy savings-bank. No. 901,018; Oct. 13; Sp. p. 2012; Dr. p. 408; Gaz. vol. 136; p. 1410.
- Mayhew, W. N., Philadelphia, Pa. Hinge for vault-light and other doors. No. 893,807; July 21; Sp. p. 2982; Dr. p. 611; Gaz. vol. 135; p. 528.
- Mayhorn, H. D., Coal Center, Pa. Curtain-pole. No. 898,248; Sept. 8; Sp. p. 2064; Dr. p. 438; Gaz. vol. 136; p. 356.
- Maynard, R. F., New York, N. Y. Artist's easel. No. 878,549; Feb. 11; Sp. p. 1394; Dr. p. 286; Gaz. vol. 132; p. 1099.
- Maynes, H. F., Gaines, Pa. Transmission-gearing and brake mechanism. No. 894,516; July 28; Sp. p. 4463; Dr. p. 925; Gaz. vol. 135; p. 781.
- Mayo, B. F., Salem, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 881,478; Mar. 10; Sp. p. 1971; Dr. pp. 429-30; Gaz. vol. 133; p. 358.
- Mayo, B. F., Salem, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-rounding machine. No. 882,009; Mar. 17; Sp. p. 3067; Dr. p. 652; Gaz. vol. 133; p. 560.
- Mayo, B. F., Salem, assignor to United Shoe Machinery Company, Boston, Mass. Heel-nailing machine. No. 884,513; Apr. 14; Sp. p. 1710; Dr. pp. 367-8; Gaz. vol. 133; p. 1494.
- Mayo, B. F., Salem, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Top lift. No. 890,434; June 9; Sp. p. 2495; Dr. p. 552; Gaz. vol. 134; p. 1487.
- Mayo, J. B., Dallas, Tex. Hinge. No. 906,048; Dec. 8; Sp. p. 1835; Gaz. vol. 137; p. 1315.
- Mayo Knitting Machine and Needle Company. (See Hemphill, J. D., assignor.)
- Mayo, R. D., Conneaut, Ohio. Power-transmitting mechanism. No. 876,571; Jan. 14; Sp. p. 1809; Dr. p. 395; Gaz. vol. 132; p. 326.
- Mayo, R. D., Toledo, Ohio. Life-boat. No. 899,672; Sept. 29; Sp. p. 4811; Dr. p. 1030; Gaz. vol. 136; p. 912.
- Mayo, T. H., Melrose, Mass. Counter. No. 886,008; Apr. 28; Sp. p. 4828; Dr. p. 1014; Gaz. vol. 133; p. 2043.
- Mayo, W. C., El Paso, assignor of two-thirds to G. E. Briggs, Barstow, and J. Houlehan, El Paso, Tex. Nut-lock. No. 879,290; Feb. 19; Sp. p. 2873; Dr. p. 599; Gaz. vol. 132; p. 1379.
- Mayo, W. C., El Paso, assignor to himself, G. E. Briggs, Barstow, and J. Houlehan, El Paso, Tex. Electric track-brake. No. 896,740; Aug. 25; Sp. p. 3904; Dr. p. 842; Gaz. vol. 135; p. 1602.
- Mayo, W. C., El Paso, assignor to himself, G. E. Briggs, Barstow, and J. Houlehan, El Paso, Tex. Car-truck. No. 896,741; Aug. 25; Sp. p. 3911; Dr. p. 843; Gaz. vol. 135; p. 1602.
- Mayo, W. C., El Paso, assignor to G. E. Briggs, Barstow, W. C. Mayo and J. Houlehan, El Paso, Tex. Electrically-operated air-brake system. No. 897,218; Aug. 25; Sp. p. 4904; Dr. pp. 1045-6; Gaz. vol. 135; p. 1760.
- Mayo, W. C., El Paso, assignor of two-thirds to G. E. Briggs, Barstow, and J. Houlehan, El Paso, Tex. Controller for motor traction-cars. No. 902,985; Nov. 3; Sp. p. 902; Gaz. vol. 137; p. 151.
- Mayo, W. C., and J. Houlehan, assignors of one-third to G. E. Briggs, El Paso, Tex. Ticket-vending machine. No. 879,284; Feb. 18; Sp. p. 2830; Dr. pp. 595-6; Gaz. vol. 132; p. 1377.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Automatic multiple fuse-block. No. 879,285; Feb. 18; Sp. p. 2842; Dr. pp. 596-7; Gaz. vol. 132; p. 1377.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Yielding power-coupling. No. 879,286; Feb. 18; Sp. p. 2849; Dr. p. 597; Gaz. vol. 132; p. 1378.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Car-wheel. No. 879,287; Feb. 18; Sp. p. 2853; Dr. p. 597; Gaz. vol. 132; p. 1378.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Annunciator. No. 879,288; Feb. 18; Sp. p. 2856; Dr. p. 598; Gaz. vol. 132; p. 1379.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Means for converting reciprocatory motion into rotary motion. No. 879,289; Feb. 18; Sp. p. 2860; Dr. p. 599; Gaz. vol. 132; p. 1379.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Air-brake lighting and signaling system for railway-trains. No. 879,397; Feb. 18; Sp. p. 3076; Dr. pp. 639-41; Gaz. vol. 132; p. 1413.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Liquid-dispensing apparatus. No. 896,737; Aug. 25; Sp. p. 3887; Dr. p. 840; Gaz. vol. 135; p. 1601.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Regulator for dynamo-electric machines. No. 896,738; Aug. 25; Sp. p. 3892; Dr. p. 841; Gaz. vol. 135; p. 1601.
- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Transmission-gearing. No. 896,739; Aug. 25; Sp. p. 3900; Dr. pp. 841-2; Gaz. vol. 135; p. 1601.

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- Mayo, W. C., and J. Houlehan, El Paso, assignors of one-third to G. E. Briggs, Barstow, Tex. Speed-changing gear. No. 901,980; Oct. 27; Sp. p. 3997; Dr. pp. 814-16; Gaz. vol. 136; p. 1791.
- Mayo, W. C., and J. Houlehan, assignors of one-third to G. E. Briggs, El Paso, Tex. Liquid-dispensing apparatus. No. 903,214; Nov. 10; Sp. p. 1364; Gaz. vol. 137; p. 253.
- Mayper, H. M., New York, N. Y. Garment. No. 884,185; Apr. 7; Sp. p. 1083; Dr. p. 226; Gaz. vol. 133; p. 1360.
- Mayr, A., and J. Wallace, Bombay, India. Hot-air engine. No. 876,374; Jan. 14; Sp. p. 1360; Dr. p. 296; Gaz. vol. 132; p. 257.
- Mays, J. B., Chicago, Ill. Railway-switch. No. 877,788; Jan. 28; Sp. p. 4278; Dr. p. 929; Gaz. vol. 132; p. 786.
- Mays, J. F., Birmingham, Ala. Listing-machine. No. 899,229; Sept. 22; Sp. p. 3920; Dr. pp. 837-8; Gaz. vol. 136; p. 734.
- Maytag, F. L. (See Snyder, H. F., assignor.)
- Maytag, F. L. (See Snyder and Hume, assignors.)
- Maywald, F. J., New York, N. Y. Coloring material and making same. No. 893,636; July 21; Sp. p. 2564; Gaz. vol. 135; p. 471.
- Maywald, F. J., New York, N. Y. Tannin extract and producing same. No. 894,277; July 28; Sp. p. 3989; Gaz. vol. 135; p. 704.
- Maywald, F. J., New York, N. Y. Friable vegetable dye and making same. No. 894,965; Aug. 4; Sp. p. 375; Gaz. vol. 135; p. 956.
- Maywald, F. J., Brooklyn, N. Y. Producing phosphoric acid. No. 902,157; Oct. 27; Sp. p. 4360; Dr. p. 883; Gaz. vol. 136; p. 1846.
- Mazanek, B., New York, N. Y. Convertible car. No. 892,671; July 7; Sp. p. 544; Dr. p. 114; Gaz. vol. 135; p. 96.
- Maze, W. H., and J. Nelson, assignors to American Nickeloid & Manufacturing Company, Peru, Ill. Polishing-machine. No. 908,115; Dec. 29; Sp. p. 5947; Gaz. vol. 137; p. 2080.
- Mazlin, J., Herberton, Queensland, Australia. Pick-head usable with removable points. No. 899,455; Sept. 22; Sp. p. 4344; Dr. p. 932; Gaz. vol. 136; p. 805.
- Mazza, F. R., and C. M. Daly, New York, N. Y. Cooking utensil. No. 906,540; Dec. 15; Sp. p. 2764; Gaz. vol. 137; p. 1501.
- Mazzacorati, G. (See Bossi, G., assignor.)
- Mazzatenta, V., Turin, Italy. Means for fastening mail-bags, &c. No. 875,720; Jan. 7; Sp. p. 81; Dr. p. 17; Gaz. vol. 132; p. 18.
- Mazzatenta, V., Turin, Italy. Metal seal. No. 882,525; Mar. 17; Sp. p. 4046; Dr. p. 861; Gaz. vol. 133; p. 729.
- McAdam, J. V. (See Everett and McAdam.)
- McAdam, J. V., New York, N. Y. Railway-car truck. No. 900,759; Oct. 13; Sp. p. 1460; Dr. p. 297; Gaz. vol. 136; p. 1325.
- McAdam, J. V., New York, N. Y. Railway-car truck. No. 900,760; Oct. 13; Sp. p. 1462; Dr. p. 298; Gaz. vol. 136; p. 1325.
- McAdams, G. F., New York, N. Y. Cutting and perforating attachment for printing-machines. No. 902,314; Oct. 27; Sp. p. 4699; Dr. p. 952; Gaz. vol. 136; p. 1898.
- McAdams, S. L., Beaver Falls, Pa. Water-meter. No. 905,906; Dec. 8; Sp. p. 1574; Gaz. vol. 137; p. 1270.
- McAdoo, W., Reading, Pa. Spout for cans. No. 878,304; Feb. 4; Sp. p. 843; Dr. p. 168; Gaz. vol. 132; p. 984.
- McAdory, T. H., Chicago, Ill., assignor to Adams & Westlake Company. System for the generation and distribution of electricity. No. 895,490; Aug. 11; Sp. p. 1438; Dr. p. 302; Gaz. vol. 135; p. 1153.
- McAllaster, G. R., Rochester, N. Y. Scissors. No. 890,687; June 16; Sp. p. 3022; Dr. p. 663; Gaz. vol. 134; p. 1602.
- McAllister, F. R. (See Turner, T., assignor.)
- McAllister, J. I., Edmonds, Wash. Chalk and eraser holder. No. 905,450; Dec. 1; Sp. p. 682; Gaz. vol. 137; p. 1093.
- McAloney, N. J. (See Wibel, McAloney, and Cunningham.)
- McAmmond, J. F., *et al.* (See Burdett, P., assignor.)
- McArthur, A. R., Elwood, Ind., assignor to American Sheet & Tin Plate Company, Pittsburg, Pa. Discharge mechanism for shears. No. 880,811; Mar. 3; Sp. p. 651; Dr. pp. 136-7; Gaz. vol. 133; p. 113.
- McArthur, C. J., Newark, N. J. Side guide for printing-presses. No. 899,834; Sept. 29; Sp. p. 5148; Dr. p. 1102; Gaz. vol. 136; p. 966.
- McArthur, F., Montreal, Quebec, Canada. Feeding-trough. No. 892,071; June 30; Sp. p. 5862; Dr. p. 1262; Gaz. vol. 134; p. 2120.
- McArthur, G. P., Rockledge, Pa. Evaporating apparatus. No. 880,812; Mar. 3; Sp. p. 652; Dr. p. 137; Gaz. vol. 133; p. 113.
- McArthur, M. J., Cleveland, Ohio. Fire-escape ladder. No. 899,552; Sept. 29; Sp. p. 4566; Dr. p. 981; Gaz. vol. 136; p. 874.
- McAsian, N., Yorkshire, Iowa. Compound tool. (Reissue.) No. 12,773; Mar. 31; Sp. p. 6401; Dr. p. 1365; Gaz. vol. 133; p. 1167.
- McAssey, J. (See Garver, A. J., assignor.)
- McAteer, R. C., Crafton, Pa. Transmission mechanism. No. 907,630; Dec. 22; Sp. p. 4929; Gaz. vol. 137; p. 1890.
- McAuley, D., Fulton Chain, N. Y. Trace. No. 908,309; Dec. 29; Sp. p. 6367; Gaz. vol. 137; p. 2147.
- McAuley, F. P., Grafton, N. D. Holding device for rubber shoes. No. 883,252; May 19; Sp. p. 3843; Dr. p. 807; Gaz. vol. 134; p. 688.
- McAuley, P. F., Cambridge, Ohio. Pool-table attachment. No. 888,186; May 19; Sp. p. 3722; Dr. pp. 778-9; Gaz. vol. 134; p. 865.
- McAuliffe, J. W., assignor to McAuliffe Manufacturing Company, Chicago, Ill. Water-closet. No. 906,053; Dec. 8; Sp. p. 1843; Gaz. vol. 137; p. 1317.
- McAuliffe Manufacturing Company. (See McAuliffe, J. W., assignor.)
- McAvity, J. A., St. John, New Brunswick, Canada. Water-closet. No. 877,514; Jan. 28; Sp. p. 3752; Dr. p. 813; Gaz. vol. 132; p. 699.
- McBean, G. B., Chicago, Ill. Outlet-box cover. No. 887,496; May 12; Sp. p. 2391; Dr. p. 503; Gaz. vol. 134; p. 411.
- McBean, G. B., assignor to Mechanical & Electrical Manufacturing Company, Chicago, Ill. Socket for incandescent electric lamps. No. 903,141; Nov. 3; Sp. p. 1207; Gaz. vol. 137; p. 198.
- McBean, G. B., assignor to Mechanical & Electrical Manufacturing Company, Chicago, Ill. Outlet-box cover. No. 903,221; Nov. 10; Sp. p. 1379; Gaz. vol. 137; p. 255.
- McBean, G. B., and C. W. Birchwood, assignors to Mechanical & Electrical Manufacturing Company, Chicago, Ill. Repair-tool. No. 884,751; Apr. 14; Sp. p. 2226; Dr. p. 470; Gaz. vol. 133; p. 1575.
- McBerty, F. P., assignor to Peerless Electric Company, Warren, Ohio. Ceiling-fan. No. 905,089; Nov. 24; Sp. p. 5255; Gaz. vol. 137; p. 936.
- McBerty, F. R. (See Thompson and McBerty.)
- McBeth, A. E., *et al.* (See Moore, J. H., assignor.)
- McBride, C. C. (See Hornbeck, H. S., assignor.)
- McBride, I. S., Vaughnsville, Ohio. Elevating and dumping apparatus. No. 896,568; Aug. 18; Sp. p. 3563; Dr. p. 766; Gaz. vol. 135; p. 1526.
- McBride, S., Louisville, Ky. Spool-holder. No. 890,688; June 16; Sp. p. 3024; Dr. p. 664; Gaz. vol. 134; p. 1603.
- McBrine, J. W., Medford, Mass. Mouthpiece attachment for telephones. No. 902,896; Nov. 3; Sp. p. 744; Gaz. vol. 137; p. 123.
- McCabe, E. J., L. W. Parker, and J. Mulvaney, New York, N. Y. Apparatus for separating gas and oil from fluids. No. 897,125; Aug. 25; Sp. p. 4746; Dr. p. 1011; Gaz. vol. 135; p. 1733.
- McCabe, H. B., assignor of one-half to J. E. Cochran, Chicago, Ill. Electric secondary clock. No. 904,001; Nov. 17; Sp. p. 2972; Gaz. vol. 137; p. 543.
- McCabe, J., *et al.* (See Baker, W., assignor.)
- McCabe, J., Minneapolis, Minn. Loading apparatus. No. 891,183; June 16; Sp. p. 4018; Dr. p. 881; Gaz. vol. 134; p. 1763.
- McCabe, J., Minneapolis, Minn. Loading apparatus. No. 907,518; Dec. 22; Sp. p. 4676; Gaz. vol. 137; p. 1854.
- McCabe, J. D., Kittrell, assignor of one-half to J. D. Youree, Readyville, Tenn. Hoe. No. 900,871; Oct. 13; Sp. p. 1707; Dr. p. 345; Gaz. vol. 136; p. 1362.
- McCabe, J. M., *et al.* (See Stoops, W. B., assignor.)
- McCabe, W. L., Seattle, Wash. Conveyor. No. 890,689; June 16; Sp. p. 3025; Dr. pp. 664-5; Gaz. vol. 134; p. 1603.
- McCaddin, W., and G. Sutherland, New York, N. Y. Adjustable skid. No. 907,519; Dec. 22; Sp. p. 4679; Gaz. vol. 137; p. 1854.
- McCaftrey, R. C., Spokane, Wash. Trap for basins, sinks, &c. No. 880,156; Feb. 25; Sp. p. 4680; Dr. p. 985; Gaz. vol. 132; p. 1694.
- McCain, J. F., Chicago, Ill. Jar-opener. No. 900,297; Oct. 6; Sp. p. 481; Dr. p. 100; Gaz. vol. 136; p. 1148.
- McCain, W. O., assignor of one-half to J. B. Atkins, Mathiston, Miss. Trap-door. No. 884,192; Apr. 7; Sp. p. 1094; Dr. pp. 228-9; Gaz. vol. 133; p. 1362.
- McCaleb, J. L., Carrizo Springs, Tex. Shutter attachment. No. 899,889; Sept. 29; Sp. p. 5268; Dr. p. 1127; Gaz. vol. 136; p. 984.
- McCaleb, W., Bluffs, Ill. Cotton-chopper. No. 882,409; Mar. 17; Sp. p. 3814; Dr. p. 815; Gaz. vol. 133; p. 689.
- McCall, J. H., Huntingdon, Tenn. Sanitary appliance. No. 882,410; Mar. 17; Sp. p. 3817; Gaz. vol. 133; p. 690.
- McCall, J. L., Mobile, Ala. Rolling-screen. No. 881,196; Mar. 10; Sp. p. 1397; Dr. p. 302; Gaz. vol. 133; p. 267.
- McCall, T. A., Xenia, Ohio. Apparatus for automatically operating type-writers. No. 882,263; Mar. 17; Sp. p. 3555; Dr. pp. 754-5; Gaz. vol. 133; p. 642.
- McCall, T. A., Xenia, Ohio. Pneumatically-operated massage apparatus. No. 882,532; Mar. 17; Sp. p. 4059; Dr. p. 864; Gaz. vol. 133; p. 731.
- McCall, W. W., Kansas City, Mo. Piano-flange. No. 899,064; Sept. 22; Sp. p. 3592; Dr. p. 769; Gaz. vol. 136; p. 679.
- McCallum, G. L., Newerf, Pa. Sliding-door fastener. No. 890,690; June 16; Sp. p. 3031; Dr. pp. 665-6; Gaz. vol. 134; p. 1603.
- McCallum, W. A. F., Germantown, Pa. Antiskidding tread for motor-vehicle wheels. No. 906,054; Dec. 8; Sp. p. 1844; Gaz. vol. 137; p. 1317.
- McCalmont, G. E., President, Pa. Bottle-cleaner. No. 876,220; Jan. 7; Sp. p. 1046; Dr. p. 226; Gaz. vol. 132; p. 176.
- McCambridge, A., Williamstown, N. J. Bottle-neck and closure therefor. No. 898,769; Sept. 15; Sp. p. 3063; Dr. p. 656; Gaz. vol. 136; p. 556.
- McCameron, J. H., St. Louis, Mo. Validation-certificate. No. 894,895; Aug. 4; Sp. p. 200; Dr. p. 44; Gaz. vol. 135; p. 932.
- McCampbell, T., New York, N. Y. Combined pattern-pouch and sales-check. No. 881,255; Mar. 10; Sp. p. 1525; Dr. p. 328; Gaz. vol. 133; p. 287.

Alphabetical list of patentees—Continued.

- McCann, C. E. S., Johannesburg, and R. Colson, Belfast, Transvaal. Means for testing wires or wire ropes. No. 890,085; June 9; Sp. p. 1778; Dr. p. 393; Gaz. vol. 134; p. 1375.
- McCann, J. F., New York, N. Y. Railway-lamp. No. 878,986; Feb. 11; Sp. p. 2258; Dr. p. 472; Gaz. vol. 132; p. 1239.
- McCardia, S. (See Themke and McCardia.)
- McCaro, G. (See Kennedy, G. R., assignor.)
- McCarren, C. E., Cincinnati, Ohio. Ice-cream spoon. No. 900,573; Oct. 6; Sp. p. 1076; Dr. p. 221; Gaz. vol. 136; p. 1238.
- McCarren, J. G., Rockford, Ill. Tube-cleaner. No. 896,851; Aug. 25; Sp. p. 4156; Dr. p. 890; Gaz. vol. 135; p. 1641.
- McCarter, L. N., Norristown, Pa., assignor to International Pavement Company, Hartford, Conn. Drying and heating apparatus for stone. No. 900,032; Sept. 29; Sp. p. 5586; Dr. p. 1194; Gaz. vol. 136; p. 1031.
- McCarthy, D. J., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Cab signal system. No. 901,250; Oct. 13; Sp. p. 2418; Dr. p. 496; Gaz. vol. 136; p. 1482.
- McCarthy, D. J., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Signal system with continuous-rail connections. No. 907,165; Dec. 22; Sp. p. 3952; Gaz. vol. 137; p. 1734.
- McCarthy, J. (See Crenshaw, J. T., assignor.)
- McCarthy, J., Plainfield, N. J. Lathe-dog. No. 889,711; June 2; Sp. p. 1025; Dr. p. 237; Gaz. vol. 134; p. 1223.
- McCarthy, J. V., Waverley, and A. MacLeod, Watertown, Mass. Vending-machine. No. 897,989; Sept. 8; Sp. p. 1553; Dr. p. 330; Gaz. vol. 136; p. 275.
- McCarthy, M. F., Chicago, Ill. Carbureter. No. 906,548; Dec. 15; Sp. p. 2778; Gaz. vol. 137; p. 1504.
- McCarthy, P., Cleveland, Ohio. Shoal-water alarm. No. 906,649; Dec. 15; Sp. p. 2963; Gaz. vol. 137; p. 1535.
- McCarthy, S. J., Galveston, Tex. Grain drying and cooling machine. No. 877,942; Feb. 4; Sp. p. 97; Dr. p. 22; Gaz. vol. 132; p. 865.
- McCarthy, T. J., Los Angeles, Cal. Wheel-tire. No. 876,826; Jan. 14; Sp. p. 2306; Dr. pp. 507-8; Gaz. vol. 132; p. 408.
- McCarthy, T. J., Los Angeles, Cal. Spring-tire. No. 877,856; Jan. 28; Sp. p. 4403; Dr. p. 958; Gaz. vol. 132; p. 807.
- McCartney, G., Harrisville, R. I. Stop-motion mechanism for looms. No. 900,190; Oct. 6; Sp. p. 253; Dr. p. 51; Gaz. vol. 136; p. 1113.
- McCarthy, C. C., assignor of one-half to D. B. McCarty, Iola, Kans. Washing-machine. No. 893,088; July 14; Sp. p. 1412; Dr. pp. 298-9; Gaz. vol. 135; p. 262.
- McCarty, D. B. (See McCarty, C. C., assignor.)
- McCarty, E. J., Clinton, Mass., assignor to Clinton Specialty Manufacturing Company. Boiler-tube cleaner. No. 902,315; Oct. 27; Sp. p. 4701; Dr. p. 952; Gaz. vol. 136; p. 1898.
- McCarty, E. W. (See Flynn, M. J., assignor.)
- McCarty, F. J., deceased; H. A. McCarty, administrator, assignor to McCarty Wireless Telephone Co., San Francisco, Cal. Wireless telephone. No. 889,031; May 26; Sp. p. 5450; Dr. p. 1158; Gaz. vol. 134; p. 973.
- McCarty, H. A., administrator. (See McCarty, F. J.)
- McCarty, R., Lebanon, Pa., assignor to Stoeber Foundry & Manufacturing Company. Chuck. No. 892,001; June 30; Sp. p. 5740; Dr. p. 1274; Gaz. vol. 134; p. 2098.
- McCarty, R., Lebanon, and W. S. Giele, Myerstown, Pa., assignors to Stoeber Foundry & Manufacturing Company. Tool-stand. No. 892,002; June 30; Sp. p. 5742; Dr. p. 1275; Gaz. vol. 134; p. 2098.
- McCarty, R. J., Kansas City, Mo. Compressor or blower. No. 887,955; May 19; Sp. p. 3288; Dr. p. 691; Gaz. vol. 134; p. 592.
- McCarty, V., *et al.* (See McCarty, W. B., assignor.)
- McCarty, W. B., assignor of two-thirds to V. McCarty and I. Webster, Cale, Ind. Combination-tool. No. 896,746; Aug. 25; Sp. p. 3923; Dr. pp. 845-6; Gaz. vol. 135; p. 1604.
- McCarty, W. F. M., Pleasantville, assignor of one-half to G. O. Eaton and T. M. Acken and one-thirtieth to A. J. Guttman, New York, N. Y. Producing ingots free from blow-holes. No. 898,770; Sept. 15; Sp. p. 3064; Dr. pp. 656-7; Gaz. vol. 136; p. 557.
- McCarty, W. F. M., Pleasantville, assignor of one-fourth to G. O. Eaton, one-fourth to T. M. Acken, and one-thirtieth to A. J. Guttman, New York, N. Y. Molding process. No. 901,361; Oct. 20; Sp. p. 2682; Dr. p. 550; Gaz. vol. 136; p. 1556.
- McCarty, W. F. M., Pleasantville, assignor of one-fourth to G. O. Eaton, one-fourth to T. M. Acken, and one-thirtieth to A. J. Guttman, New York, N. Y. Treating iron and steel. No. 901,362; Oct. 20; Sp. p. 2683; Dr. p. 550; Gaz. vol. 136; p. 1556.
- McCarty, W. F. M., Pleasantville, assignor of one-fourth to G. O. Eaton, one-fourth to T. M. Acken, and one-thirtieth to A. J. Guttman, New York, N. Y. Metallurgical furnace. No. 901,363; Oct. 20; Sp. p. 2685; Dr. pp. 550-1; Gaz. vol. 136; p. 1557.
- McCarty, W. F. M., Rocky Ridge, Md., assignor of one-fourth to G. O. Eaton, one-fourth to T. M. Acken, and one-thirtieth to A. J. Guttman, New York, N. Y. Treating iron and steel. No. 901,546; Oct. 20; Sp. p. 3109; Dr. p. 635; Gaz. vol. 136; p. 1619.
- McCarty, W. F. M., Rocky Ridge, Md., assignor of one-fourth to G. O. Eaton, one-fourth to T. M. Acken, and one-thirtieth to A. J. Guttman, New York, N. Y. Treating iron and steel. No. 901,547; Oct. 20; Sp. p. 3111; Dr. p. 635; Gaz. vol. 136; p. 1620.
- McCarty, W. L., Memphis, Tenn. Baling-press. No. 893,747; July 21; Sp. p. 2862; Dr. p. 588; Gaz. vol. 135; p. 508.
- McCarty, W. L., Memphis, Tenn. Applying identifying-strips to bales. No. 893,748; July 21; Sp. p. 2865; Dr. p. 589; Gaz. vol. 135; p. 509.
- McCarty, W. W., Diamond, Ind. Lubricator. No. 888,525; May 26; Sp. p. 4391; Dr. p. 930; Gaz. vol. 134; p. 806.
- McCarty Wireless Telephone Co. (See McCarty, F. J., assignor.)
- McCasland, C. K., Alvarado, Tex. Plow. No. 873,821; Feb. 11; Sp. p. 1951; Dr. p. 404; Gaz. vol. 132; p. 1187.
- McCaughy, J. B., Pawtucket, R. I. Damper-regulator. No. 890,294; June 9; Sp. p. 2236; Dr. p. 491; Gaz. vol. 134; p. 1442.
- McCauley, B. F., Altoona, Pa. Street-car indicator. No. 907,265; Dec. 22; Sp. p. 4188; Gaz. vol. 137; p. 1770.
- McCauley, C. J. (See Tritch and McCauley.)
- McCauley, E., Minneapolis, Minn., assignor of one-half to W. T. McCauley, Osgoode, Canada. Flax-pulling machine. No. 891,362; June 23; Sp. p. 4418; Dr. pp. 961-2; Gaz. vol. 134; p. 1855.
- McCauley, E. H. (See McGiffin and McCauley.)
- McCauley, F. L., *et al.* (See Elkins and Hunter, assignors.) (Reissue.)
- McCauley, W. T. (See McCauley, E., assignor.)
- McCasland, T. G. (See Warfel, H. C., assignor.)
- McChesley, H., Livermore, Pa. Ice-making plant. No. 903,755; Nov. 10; Sp. p. 2437; Gaz. vol. 137; p. 427.
- McClafferty, H. (See O'Donnell and McClafferty.)
- McClain, E., Paris, Tex. Voting-machine. No. 898,910; Sept. 15; Sp. p. 3314; Dr. pp. 710-11; Gaz. vol. 136; p. 602.
- McClain, E. L., assignor to American Pad & Textile Co., Greenfield, Ohio. Horse-pad hook. No. 876,077; Jan. 7; Sp. p. 771; Dr. p. 164; Gaz. vol. 132; p. 131.
- McClain, E. L., assignor to American Pad & Textile Company, Greenfield, Ohio. Horse-pad hook. No. 892,072; June 30; Sp. p. 5863; Dr. p. 1262; Gaz. vol. 134; p. 2120.
- McClain, E. L., assignor to American Pad & Textile Company, Greenfield, Ohio. Clamp for horse-pads. No. 900,946; Oct. 13; Sp. p. 1869; Dr. p. 381; Gaz. vol. 136; p. 1386.
- McClain, H. N., Chicago, Ill. Temporary binder for papers. No. 876,078; Jan. 7; Sp. p. 772; Dr. p. 165; Gaz. vol. 132; p. 131.
- McClanahan, I. W., Spokane, Wash. Chair attachment. No. 883,330; Mar. 31; Sp. p. 5657; Dr. p. 1207; Gaz. vol. 133; p. 1054.
- McClaskey, J. C. (See Stuck and Bosdorfer, assignors.)
- McClave-Brooks Company. (See McClave, W., assignor.)
- McClave, W., assignor to McClave-Brooks Company, Scranton, Pa. Pressure-governor. No. 889,712; June 2; Sp. p. 1027; Dr. pp. 237-8; Gaz. vol. 134; p. 1223.
- McClave, W., assignor to McClave-Brooks Company, Scranton, Pa. Blower. No. 889,713; June 2; Sp. p. 1031; Dr. p. 239; Gaz. vol. 134; p. 1224.
- McCleary, J. (See Craddock and McCleary.)
- McCleer, N. T., Gregory, Mich. Sliding-door fastener. No. 906,452; Dec. 8; Sp. p. 2597; Gaz. vol. 137; p. 1447.
- McClellan, E. J., New York, N. Y., assignor to Garvin Machine Company. Indexing or dividing head. No. 876,574; Jan. 14; Sp. p. 1818; Dr. p. 396; Gaz. vol. 132; p. 327.
- McClellan, E. J., New York, N. Y., assignor to Garvin Machine Company. Speed-change gearing. No. 887,010; May 5; Sp. p. 1334; Dr. p. 283; Gaz. vol. 134; p. 221.
- McClellan, G. M. (See Taylor and McClellan.) (Reissue.)
- McClellan, H. W., Canterbury, Victoria, Australia. Gas water-heater. No. 879,486; Feb. 18; Sp. p. 3275; Dr. p. 684; Gaz. vol. 132; p. 1443.
- McClellan, J. E., Los Angeles, Cal. Chase. No. 898,591; Sept. 15; Sp. p. 2715; Dr. p. 581; Gaz. vol. 136; p. 499.
- McClellan, L. K., Billings, Mont. Clevis. No. 882,476; Mar. 17; Sp. p. 3932; Dr. p. 841; Gaz. vol. 133; p. 711.
- McClelland, D. A., Gas. Kans. Clothes-sprinkler. No. 883,331; Mar. 31; Sp. p. 5658; Dr. p. 1207; Gaz. vol. 133; p. 1054.
- McClelland, J. J., assignor to Mason's Foreign Patents, Limited, London, England. Sand-molding machine. No. 903,605; Nov. 10; Sp. p. 2153; Gaz. vol. 137; p. 882.
- McClendon, J. M., Everett, Mass. Superheater. No. 880,562; Mar. 3; Sp. p. 133; Dr. p. 30; Gaz. vol. 133; p. 27.
- McClintock, C. D., Cleveland, Ohio. Oiling device. No. 890,691; June 16; Sp. p. 3033; Dr. p. 666; Gaz. vol. 134; p. 1604.
- McClintock, C. H., Hartford City, Ind. Crude-oil engine. No. 879,884; Feb. 25; Sp. p. 4118; Dr. p. 864; Gaz. vol. 132; p. 1604.
- McClintock, C. H., Hartford City, Ind. Combined carbureter and governor for internal-combustion engines. No. 889,032; May 26; Sp. p. 5452; Dr. pp. 1158-9; Gaz. vol. 134; p. 974.
- McClintock, E., St. Paul, Minn. Interlocking relay. No. 879,885; Feb. 25; Sp. p. 4122; Dr. p. 865; Gaz. vol. 132; p. 1605.

Alphabetical list of patentees—Continued.

- McClintock, E., St. Paul, Minn. Highway-crossing signal for electric roads. No. 879,886; Feb. 25; Sp. p. 4124; Dr. p. 865; Gaz. vol. 132; p. 1605.
- McClintock, E. H., West Somerville, assignor of three-fourths to E. B. Martin, J. D. Crosby, C. S. Day, and A. S. Martin, Boston, Mass. Cementitious building-block. No. 897,552; Sept. 1; Sp. p. 641; Dr. p. 133; Gaz. vol. 136; p. 100.
- McClintock, W., New York, N. Y. Sewage-ejector. No. 877,794; Jan. 28; Sp. p. 4288; Dr. p. 931; Gaz. vol. 132; p. 788.
- McClintock, W., New York, N. Y. Sewage-ejector. No. 884,406; Apr. 14; Sp. p. 1490; Dr. p. 320; Gaz. vol. 133; p. 1461.
- McCloskey, A. C., assignor to himself and C. S. Butcher, Jr., Philadelphia, Pa. Jar-closure. No. 907,166; Dec. 22; Sp. p. 3952; Gaz. vol. 137; p. 1735.
- McCloskey, C., *et al.* (See Gould, M., assignor.)
- McCloskey & Company, C. (See Gould, M., assignor.)
- McCloskey, G. M., New York, N. Y. Closet connection. No. 902,897; Nov. 3; Sp. p. 747; Gaz. vol. 137; p. 123.
- McCloskey, H., *et al.* (See Gould, M., assignor.)
- McCloskey, J., Boston, Mass. Device for filling self-feeding ink-wells. No. 887,215; May 12; Sp. p. 1717; Dr. p. 365; Gaz. vol. 134; p. 315.
- McCloskey, J., and H. J. Gray, St. Louis, Mo. Syrup-dispensing apparatus. No. 886,720; May 5; Sp. p. 788; Dr. p. 161; Gaz. vol. 134; p. 131.
- McCloud, E. H., Columbus, Ohio. Operating device for flexible roller-shutters. No. 878,659; Feb. 11; Sp. p. 1645; Dr. pp. 337-8; Gaz. vol. 132; p. 1136.
- McCloud, E. H., Columbus, Ohio. Automatic fire-shutter. No. 881,256; Mar. 10; Sp. p. 1526; Dr. p. 328; Gaz. vol. 133; p. 288.
- McCloud, E. H., Columbus, Ohio. Flexible fire-resisting shutter and slat therefor. No. 897,990; Sept. 8; Sp. p. 1557; Dr. p. 330; Gaz. vol. 136; p. 276.
- McCloud, E. H., Columbus, Ohio. Fire-resisting curtain. No. 899,460; Sept. 22; Sp. p. 4354; Dr. pp. 934-5; Gaz. vol. 136; p. 806.
- McCloud, E. H., assignor to Kinnebar Manufacturing Company, Columbus, Ohio. Support for rolling curtains or shutters. No. 896,929; Aug. 25; Sp. p. 4339; Dr. pp. 929-30; Gaz. vol. 135; p. 1668.
- McClure, E., assignor of one-half to F. P. Smith, Chicago, Ill. Metal reinforcement for reinforced concrete columns. No. 905,090; Nov. 24; Sp. p. 5256; Gaz. vol. 137; p. 936.
- McClure, J. J., Little Rock, Ark. Cleat. No. 885,506; Apr. 21; Sp. p. 3758; Dr. p. 791; Gaz. vol. 133; p. 1850.
- McClure, M. L., Republic, Mo. Cultivator attachment. No. 884,676; Apr. 14; Sp. p. 2077; Dr. p. 443; Gaz. vol. 133; p. 1549.
- McClure, R. C., Lethbridge, Alberta, Canada. Continuous rail-joint. No. 884,518; Apr. 14; Sp. p. 1723; Dr. p. 370; Gaz. vol. 133; p. 1496.
- McClure, W. (See Gizinsky and McClure.)
- McClure, W. C., *et al.* (See Bogle, W. L., assignor.)
- McClure, W. D., Kirksey, assignor of one-half to W. A. Strom, Pleasant Lane, S. C. Cotton-chopper. No. 882,335; Mar. 17; Sp. p. 3697; Dr. p. 786; Gaz. vol. 133; p. 666.
- McClurg, W. J., Pittsburg, Pa. Gas-producer. No. 876,575; Jan. 14; Sp. p. 1820; Dr. pp. 397-8; Gaz. vol. 132; p. 327.
- McCluskey, J. (See Stewart, McCluskey, and Reid.)
- McCoach, J., *et al.* (See Richards, W. T., assignor.)
- McColeman, J. A., Curtisville, Mich. Nose-bag. No. 891,716; June 23; Sp. p. 5149; Dr. p. 1112; Gaz. vol. 134; p. 1972.
- McColl, F. P., St. Andrews, New Brunswick, Canada, assignor to American Key Can Company, Chicago, Ill. Forming can-body flanges. No. 896,232; Aug. 18; Sp. p. 2876; Dr. p. 620; Gaz. vol. 135; p. 1417.
- McColl, H. P., Hawthorn, Victoria, Australia. Regulating magnet-controller for electric elevators. No. 879,789; Feb. 18; Sp. p. 3891; Dr. p. 816; Gaz. vol. 132; p. 1541.
- McColloch, E. H., New Orleans, La. Stocking. No. 882,834; Mar. 24; Sp. p. 4658; Dr. p. 992; Gaz. vol. 133; p. 862.
- McCollom, W. R., assignor of one-half to J. Le Penske, Chicago, Ill. Derailing system for railways. No. 903,303; Nov. 10; Sp. p. 1530; Gaz. vol. 137; p. 283.
- McCollom, W. R., assignor of one-half to J. Le Penske, Chicago, Ill. Railway-switch-stand latch. No. 903,304; Nov. 10; Sp. p. 1532; Gaz. vol. 137; p. 283.
- McCollough, W. A., Marshalltown, Iowa. Rack for feeding-troughs. No. 899,125; Sept. 22; Sp. p. 3713; Dr. p. 796; Gaz. vol. 136; p. 700.
- McCollum, A. J., assignor to Armac Motor Company, Chicago, Ill. Inlet-valve for gasolene-motors. No. 895,576; Aug. 11; Sp. p. 1604; Dr. p. 338; Gaz. vol. 135; p. 1183.
- McCollum, J. H. K., Toronto, Ontario, Canada. Automatic stop for railway-vehicles. No. 881,706; Mar. 10; Sp. p. 2400; Dr. pp. 521-2; Gaz. vol. 133; p. 432.
- McCollum, J. H. K., Toronto, Ontario, Canada. Automatic car-brake. No. 891,947; June 30; Sp. p. 5633; Dr. p. 1214; Gaz. vol. 134; p. 2082.
- McCollum, P., Fayette, Mo. Gate-hinge. No. 894,036; July 21; Sp. p. 3471; Dr. p. 710; Gaz. vol. 135; p. 604.
- McComb, E., Johannesburg, Transvaal. Alarm-clock. No. 896,930; Aug. 25; Sp. p. 4342; Dr. p. 930; Gaz. vol. 135; p. 1668.
- McComb, F., Coleman, Mich. Adjustable hog-holder. No. 892,540; July 7; Sp. p. 286; Dr. p. 63; Gaz. vol. 135; p. 54.
- McComb, H. G., Detroit, Mich. Driving-gear for automobiles. No. 885,505; Apr. 21; Sp. p. 3756; Dr. p. 790; Gaz. vol. 133; p. 1849.
- McComb, J. S., Dobbs Ferry, N. Y. Desk. No. 882,207; Mar. 17; Sp. p. 3442; Dr. p. 732; Gaz. vol. 133; p. 622.
- McComb, J. S., Dobbs Ferry, N. Y. Desk. No. 883,419; Mar. 31; Sp. p. 5867; Dr. p. 1250; Gaz. vol. 133; p. 1084.
- McComb, J. S., Dobbs Ferry, N. Y. Desk attachment. No. 885,364; Apr. 21; Sp. p. 3504; Dr. p. 732; Gaz. vol. 133; p. 1806.
- McComb, W. N., New York, N. Y. Electric sign or illuminating device. No. 882,013; Mar. 17; Sp. p. 3079; Dr. p. 655; Gaz. vol. 133; p. 562.
- McCombe, A. C., *et al.* (See McCombe, R. H., assignor.)
- McCombe, A. E., Waverly, Md. Plate-rack. No. 905,737; Dec. 1; Sp. p. 1233; Gaz. vol. 137; p. 1184.
- McCombe, R. H., Waverly, Md., assignor of three-fourths to A. Kuert, Philadelphia, Pa., and A. E. McCombe, Waverly, Md. Extensible post or prop. No. 897,843; Sept. 1; Sp. p. 1224; Dr. p. 261; Gaz. vol. 136; p. 194.
- McCombie, A., Grass Valley, Cal. Ore-feeder. No. 903,491; Nov. 10; Sp. p. 1914; Gaz. vol. 137; p. 344.
- McCombs, H. W., Worcester, Mass. Cylinder-relief valve. No. 890,692; June 16; Sp. p. 3035; Dr. p. 666; Gaz. vol. 134; p. 1604.
- McConn, M. L., Arkansas City, Kans. Dress-shield cover. No. 887,687; May 12; Sp. p. 2738; Dr. p. 579; Gaz. vol. 134; p. 473.
- McConnell, A. W., Anderson, S. C. Rail-bond. No. 900,298; Oct. 6; Sp. p. 482; Dr. p. 100; Gaz. vol. 136; p. 1148.
- McConnell, G. B., Houston, Pa. Crutch. No. 889,541; June 2; Sp. p. 700; Dr. p. 161; Gaz. vol. 134; p. 1169.
- McConnell, J. A., Dallas, Ore. Chock attachment for cars. No. 901,815; Oct. 20; Sp. p. 3674; Dr. p. 746; Gaz. vol. 136; p. 1707.
- McConnell, J. M., Nickelsville, Va. Railway-rail joint. No. 902,434; Oct. 27; Sp. p. 4959; Dr. p. 1001; Gaz. vol. 136; p. 1938.
- McConnell, N., Pittsburg, Pa. Gas-producer. No. 876,079; Jan. 7; Sp. p. 773; Dr. p. 165; Gaz. vol. 132; p. 131.
- McConville, C. E. (See McConville, G. H. and C. E.)
- McConville, G. H. and C. E., Cleveland, Ohio. Metallic railway-tie and means for securing the rails thereto. No. 892,541; July 7; Sp. p. 287; Dr. p. 63; Gaz. vol. 135; p. 54.
- McConway & Torley Company. (See Matthews, W. R., assignor.)
- McConway & Torley Company. (See McConway, W., assignor.)
- McConway, W., assignor to McConway & Torley Company, Pittsburg, Pa. Car-coupling. No. 904,712; Nov. 24; Sp. p. 4475; Gaz. vol. 137; p. 810.
- McCool, H. G., Halstead, Kans. Syllabic keyboard for type-writers and type-setting machines. No. 886,149; Apr. 28; Sp. p. 5109; Dr. p. 1073; Gaz. vol. 133; p. 2088.
- McCord, A. C., Chicago, Ill. Mail-crane. No. 884,407; Apr. 14; Sp. p. 1492; Dr. p. 320; Gaz. vol. 133; p. 1461.
- McCord & Company. (See Haller, C. C., assignor.)
- McCord, J. B. (See McCord, R. L. and J. B.)
- McCord, R. A. (See Skinner, W. A., assignor.)
- McCord, R. L., Lake City, Iowa, and J. B. McCord, Durban, Natal. Combined cot and bath-tub. No. 889,324; June 2; Sp. p. 255; Dr. p. 62; Gaz. vol. 134; p. 1100.
- McCorkle, J. E., Harper, Kans. Whiffetree. No. 903,305; Nov. 10; Sp. p. 1534; Gaz. vol. 137; p. 283.
- McCormack, H. S., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 887,419; May 12; Sp. p. 2231; Dr. p. 467; Gaz. vol. 134; p. 385.
- McCormack, H. S., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 904,002; Nov. 17; Sp. p. 2974; Gaz. vol. 137; p. 543.
- McCormack, W. A., Bloomington, Ill. Box-square. No. 894,683; July 23; Sp. p. 4802; Dr. p. 997; Gaz. vol. 135; p. 837.
- McCormick, C. M., La Junta, Colo. Beet-harvester. No. 891,184; June 16; Sp. p. 4021; Dr. p. 881; Gaz. vol. 134; p. 1704.
- McCormick, C. W., Emporia, Kans., assignor to Lamson Consolidated Store Service Company, Newark, N. J. Store-service apparatus. No. 896,747; Aug. 25; Sp. p. 3925; Dr. pp. 846-7; Gaz. vol. 135; p. 1604.
- McCormick, F. L. (See De Kleist and McCormick.)
- McCormick, H., and M. A. Lombard, Des Moines, Iowa. Duplicate-sale-slip file. No. 881,481; Mar. 10; Sp. p. 1978; Dr. p. 431; Gaz. vol. 133; p. 359.
- McCormick, J., Des Moines, Iowa. Automatic bundle-shocker for binders. No. 879,403; Feb. 18; Sp. p. 3096; Dr. pp. 643-4; Gaz. vol. 132; p. 1415.

Alphabetical list of patentees—Continued.

- McCormick, J. F., Los Angeles, Cal. Stilt. No. 894,684; July 28; Sp. p. 4803; Dr. pp. 997-8; Gaz. vol. 135; p. 838.
 McCormick, W. (See Killius and McCormick.)
 McCouney, R. B. (See Buckingham, C. L., assignor.)
 McCourt, C. D., Baham Hill, assignor to Morgan Crucible Company, Limited, London, England. Uniting a flexible to a solid body No. 904,077; Nov. 17; Sp. p. 3126; Gaz. vol. 137; p. 568.
 McCourt, J. J., Bloomfield, Nebr. Stock-waterer. No. 894,037; July 21; Sp. p. 3472; Dr. p. 711; Gaz. vol. 135; p. 604.
 McCoy, A. O., Versailles, Ill. Barrel-shelf. No. 890,693; June 16; Sp. p. 3040; Dr. p. 667; Gaz. vol. 134; p. 1604.
 McCoy, C. C., Grand Forks, British Columbia, Canada. Cycle-sleigh. No. 904,351; Nov. 17; Sp. p. 3722; Gaz. vol. 137; p. 664.
 McCoy, C. T., trustee. (See Burton, C. H., assignor.)
 McCoy, E., Detroit, Mich. Lubricator. No. 890,787; June 16; Sp. p. 3251; Dr. p. 711; Gaz. vol. 134; p. 1636.
 McCoy, E., assignor to Penberthy Injector Co., Detroit Mich. Lubricator. No. 890,295; June 9; Sp. p. 2238; Dr. p. 492; Gaz. vol. 134; p. 1443.
 McCoy, E., Detroit, assignor to Ypsilanti Lubricator Company, Ypsilanti, Mich. Lubricator. No. 903,306; Nov. 10; Sp. p. 1535; Gaz. vol. 137; p. 284.
 McCoy, H. L. (See Higgins and McCoy.)
 McCoy, H. L., Minneapolis, Minn. Colander. No. 903,104; Nov. 3; Sp. p. 1138; Gaz. vol. 137; p. 186.
 McCoy, H. L., Minneapolis, Minn. Cutting-spoon. No. 904,553; Nov. 24; Sp. p. 4155; Gaz. vol. 137; p. 757.
 McCoy, J. H., assignor of one-third to E. G. Nave, Portsmouth, Ohio. Railway-track and metal cross-tie. No. 896,657; Aug. 18; Sp. p. 3721; Dr. p. 801; Gaz. vol. 138; p. 1552.
 McCoy, J. R., Marshalltown, Iowa. Hatchet. No. 901,022; Oct. 13; Sp. p. 2019; Dr. p. 410; Gaz. vol. 136; p. 1412.
 McCoy, W. C., assignor of one-half to L. P. Kern, Great Bend, Kans. Spoke-puller. No. 897,991; Sept. 8; Sp. p. 1558; Dr. p. 331; Gaz. vol. 136; p. 276.
 McCracken, C. H., Perry, Okla. Animal-poke. No. 881,436; Mar. 10; Sp. p. 1879; Dr. p. 409; Gaz. vol. 133; p. 344.
 McCracken, W. S., Breckenridge borough, Pa. Oil-can. No. 905,563; Dec. 1; Sp. p. 913; Gaz. vol. 137; p. 1129.
 McCrary, O. F., Hendersonville, N. C. Can-opener. No. 877,109; Jan. 21; Sp. p. 2928; Dr. p. 633; Gaz. vol. 132; p. 544.
 McCreary, A. T., Fortysfort, Pa. Horseshoe calking and welding apparatus. No. 887,956; May 19; Sp. p. 3292; Dr. p. 692; Gaz. vol. 134; p. 593.
 McCreary, E. R., Bush, La. Current-motor. No. 905,346; Dec. 1; Sp. p. 431; Gaz. vol. 137; p. 1056.
 McCreary, J. A. (See Mitchell and McCreary.)
 McCreary, J. B. (See Haulter, M. I., assignor.)
 McCreary, L. A., Rockwood, Tex. Feed-regulator for cotton-gins. No. 887,497; May 12; Sp. p. 2393; Dr. p. 503; Gaz. vol. 134; p. 411.
 McCroskey, J. A., Springfield, assignor of one-half to T. W. Wade, Green county, Mo. Switch-operating mechanism. No. 907,390; Dec. 22; Sp. p. 441; Gaz. vol. 137; p. 1311.
 McCrosky, F. B., Ontario, Cal. Adjustable reamer. No. 892,871; July 7; Sp. p. 955; Dr. p. 201; Gaz. vol. 135; p. 160.
 McCrum-Howell Company. (See Holfelder, J. A., assignor.)
 McCrystal, J., assignor to E. Rutzler Co., New York, N. Y. Coil-screen clamp. No. 900,412; Oct. 6; Sp. p. 717; Dr. p. 150; Gaz. vol. 136; p. 1186.
 McCue, W., *et al.* (See Bernerd, W., assignor.)
 McCuen, J. W. (See Heinrichitz and McCuen.)
 McCulloch, W. F., Washington, D. C. Jack. No. 897,644; Sept. 1; Sp. p. 814; Dr. p. 171; Gaz. vol. 136; p. 130.
 McCullough, H. M., assignor of one-half to D. Parnson, New York, N. Y. Collapsible rack for clothes or the like. No. 907,856; Dec. 29; Sp. p. 541; Gaz. vol. 137; p. 1995.
 McCullough, H. R. (See Dyblie, J. A., assignor.)
 McCullough, P. B., Philadelphia, Pa. Tooth crown or plate and swaging device therefor. No. 906,911; Dec. 15; Sp. p. 3469; Gaz. vol. 137; p. 1619.
 McCullough, P. E., assignor to Draper Company, Hopedale, Mass. Bobbin-driving means for rotatable spindles. No. 899,179; Sept. 22; Sp. p. 3833; Dr. p. 820; Gaz. vol. 136; p. 718.
 McCullough, W. B., Monmouth, Iowa. Floor-clamp. No. 902,595; Nov. 3; Sp. p. 132; Gaz. vol. 137; p. 22.
 McCullough, W. C., Bucyrus, Ohio. Pneumatic spring. No. 904,352; Nov. 17; Sp. p. 3734; Gaz. vol. 137; p. 664.
 McCune, H. T., Braddock, Pa. Chalk-holder. No. 902,435; Oct. 27; Sp. p. 4960; Dr. p. 1002; Gaz. vol. 136; p. 1938.
 McCune, J., Santa Cruz, Cal. Meter-box. No. 886,238; Apr. 28; Sp. p. 5258; Dr. p. 1108; Gaz. vol. 133; p. 2117.
 McCurdy, J. A., Advocate, Nova Scotia, Canada. Mail-bag receiver. No. 907,266; Dec. 22; Sp. p. 4190; Gaz. vol. 137; p. 1770.
 McCurdy, J. F., San Jose, Cal. Try-square. No. 883,041; Mar. 24; Sp. p. 5064; Dr. p. 1080; Gaz. vol. 133; p. 929.
 McCurdy, R. J. (See McCurdy, W. M. and R. J.)
 McCurdy, W. M. and R. J., Coughatta, La. Machine for catching boll-weevil. No. 886,535; May 5; Sp. p. 379; Dr. p. 79; Gaz. vol. 134; p. 70.
 McCurry, J. C., Texarkana, Tex. Motor-vehicle. No. 896,314; Aug. 18; Sp. p. 3050; Dr. pp. 656-7; Gaz. vol. 135; p. 1443.
 McDaniel, D., Macon, Ill. Road drag and scraper. No. 883,332; Mar. 31; Sp. p. 5659; Dr. p. 1208; Gaz. vol. 133; p. 1054.
 McDaniel, D. N., Millwood, Ga. Spring-propelled hand-car. No. 875,943; Jan. 7; Sp. p. 488; Dr. p. 105; Gaz. vol. 132; p. 88.
 McDaniel, I., and J. K. Shontz, Kansas, Ohio. Gas-generator. No. 902,991; Nov. 3; Sp. p. 929; Gaz. vol. 137; p. 153.
 McDermott, C. A., Houston, Tex. Imitation diamond. No. 883,346; May 19; Sp. p. 4027; Dr. p. 849; Gaz. vol. 134; p. 717.
 McDermott, C. A., Sultana, Cal. Fruit-picker's platform. No. 884,839; Apr. 14; Sp. p. 2424; Dr. p. 508; Gaz. vol. 133; p. 1604.
 McDermott, M. J. (See Slater and McDermott.)
 McDermott, F., Dermott, Ark. Detachable tire. No. 887,341; May 12; Sp. p. 2056; Dr. p. 430; Gaz. vol. 134; p. 360.
 McDermott, P., assignor of one-half to R. A. Buckner, Dermott, Ark. Watermobile. No. 904,713; Nov. 24; Sp. p. 4477; Gaz. vol. 137; p. 811.
 McDewitt, E. L., Binghamton, N. Y. Hose-supporter. No. 896,036; Aug. 11; Sp. p. 2521; Dr. p. 546; Gaz. vol. 135; p. 1332.
 McDole, V. R., Aurora, Ill., and A. Hollenbeck, Janesville, Wis. Corn-harvesting device. No. 901,989; Oct. 27; Sp. p. 4044; Dr. p. 820; Gaz. vol. 136; p. 1794.
 McDonagh, J. A., and J. H. Reynolds, New York, N. Y. Amusement apparatus. No. 906,732; Dec. 15; Sp. p. 3124; Gaz. vol. 137; p. 1562.
 McDonald, A., Dalhart, Tex. Plug for lubricator-cups. No. 904,554; Nov. 24; Sp. p. 4156; Gaz. vol. 137; p. 757.
 McDonald, A., Glasgow, Mont. Railway-lantern. No. 907,267; Dec. 22; Sp. p. 4191; Gaz. vol. 137; p. 1771.
 McDonald, C. D., assignor to McDonald Machine Company, Chicago, Ill. Can-heading machine. No. 877,358; Jan. 21; Sp. p. 3435; Dr. pp. 745-6; Gaz. vol. 132; p. 626.
 McDonald, C. J., South Omaha, Nebr. Combination bracket for window shades and curtains. No. 893,089; July 14; Sp. p. 1414; Dr. p. 299; Gaz. vol. 135; p. 262.
 McDonald, D. (See Ross and McDonald.)
 McDonald, D., Louisville, Ky. Coupling. No. 876,484; Jan. 14; Sp. p. 1607; Dr. p. 346; Gaz. vol. 132; p. 295.
 McDonald, H. E., Petone, Wellington, New Zealand. Pipe-wrench. No. 900,191; Oct. 6; Sp. p. 255; Dr. p. 51; Gaz. vol. 136; p. 1113.
 McDonald, J., Silver Creek, Pa. Sprag-sharpener. No. 895,287; Aug. 4; Sp. p. 1043; Dr. p. 217; Gaz. vol. 135; p. 1066.
 McDonald, J. B., Nashville, Tenn. Button or badge. No. 889,714; June 2; Sp. p. 1034; Dr. p. 239; Gaz. vol. 134; p. 1225.
 McDonald, J. B., Jacksonville, assignor of one-half to H. Partridge, Duval county, Fla. Vehicle-wheel. No. 884,840; Apr. 14; Sp. p. 2425; Dr. p. 509; Gaz. vol. 133; p. 1604.
 McDonald, J. J., Port Madison, Wash. Mop-wringer. No. 878,660; Feb. 11; Sp. p. 1647; Dr. p. 338; Gaz. vol. 132; p. 1136.
 McDonald, J. R., Charlotte, N. C., and S. G. Miller, Philadelphia, Pa. Apparatus for cleaning waste. No. 876,576; Jan. 14; Sp. p. 1823; Dr. p. 398; Gaz. vol. 132; p. 328.
 McDonald, J. T., Geneva, N. Y. Shoe-polisher. No. 885,276; Apr. 21; Sp. p. 3315; Dr. p. 692; Gaz. vol. 133; p. 1777.
 McDonald, J. T., Little Rock, Ark. Cotton-picker. No. 899,835; Sept. 29; Sp. p. 5150; Dr. pp. 1102-3; Gaz. vol. 136; p. 966.
 McDonald Machine Company. (See McDonald, C. D., assignor.)
 McDonald Manufacturing Company. (See McDonald, T. J., assignor.)
 McDonald, P., assignor of one-half to G. H. Smith, Rochester, N. Y. Fuse-holder for electric-circuit conductors. No. 884,519; Apr. 14; Sp. p. 1724; Dr. p. 370; Gaz. vol. 133; p. 1496.
 McDonald, R. A., and J. Salter, North Side Boularderie, Nova Scotia, Canada. Hair dresser and trimmer. No. 879,569; Feb. 18; Sp. p. 3444; Dr. p. 721; Gaz. vol. 132; p. 1470.
 McDonald, T. J., assignor to McDonald Manufacturing Company, Limited, Pittsburg, Pa. Wall-tie. No. 908,310; Dec. 29; Sp. p. 6368; Gaz. vol. 137; p. 2147.
 McDonnell, A. F., Dunmore, Pa. Bottle and cap-closure. No. 893,008; July 14; Sp. p. 1271; Dr. p. 268; Gaz. vol. 135; p. 237.
 McDonough, A. J. (See Hodgson, W. D., assignor.)
 McDonough, B. L. (See Deardurff and McDonough.)
 McDonough, J. P. (See Garvens, W. A., assignor.)
 McDonough, M. T., Sun, W. Va. Means for preventing mine disasters. No. 903,492; Nov. 10; Sp. p. 1917; Gaz. vol. 137; p. 345.
 McDougall, D., Fall River, Mass. Clothes-line prop. No. 878,415; Feb. 4; Sp. p. 1049; Dr. p. 212; Gaz. vol. 132; p. 1020.
 McDougall, D., Fall River, Mass. Clothes-line prop. No. 878,416; Feb. 4; Sp. p. 1051; Dr. p. 212; Gaz. vol. 132; p. 1021.
 McDougall, D., Fall River, Mass. Clothes-line prop. No. 880,748; Mar. 3; Sp. p. 528; Dr. p. 110; Gaz. vol. 133; p. 91.

Alphabetical list of patentees—Continued.

- McDougall, J., Greenwich Park, England. Making tartaric acid. No. 898,253; Sept. 8; Sp. p. 2070; Gaz. vol. 136; p. 357.
 McDougall, W. M., East Orange, N. J., and S. R. V. Robinson, New York, N. Y. Primary battery. No. 880,689; Mar. 3; Sp. p. 391; Dr. p. 85; Gaz. vol. 133; p. 70.
 McDowell, H., Philadelphia, Pa. Bobbin-frame. No. 891,185; June 16; Sp. p. 4023; Dr. p. 881; Gaz. vol. 134; p. 1764.
 McDowell, J. G. (See Grant and McDowell.)
 McDowell, J. G., Pittsburg, Pa. Hydraulic motor. No. 885,070; Apr. 21; Sp. p. 2861; Dr. p. 608; Gaz. vol. 133; p. 1708.
 McDowell, V. H., Lynn, Mass. Vehicle-wheel and tire therefor. No. 875,726; Jan. 7; Sp. p. 91; Dr. p. 19; Gaz. vol. 132; p. 20.
 McDowell, W. H., Auburn, Ind. Motor-vehicle wheel. No. 907,268; Dec. 22; Sp. p. 4192; Gaz. vol. 137; p. 1771.
 McEachern, J. W., Eula, Tex. Trap. No. 878,987; Feb. 11; Sp. p. 2259; Dr. p. 987; Gaz. vol. 132; p. 1240.
 McEachron, G., Forsyth, Mich. Animal-trap. No. 897,301; Sept. 1; Sp. p. 60; Dr. p. 15; Gaz. vol. 136; p. 13.
 McElhinney, H. A., Detroit, Mich. Concrete fence-post. No. 887,498; May 12; Sp. p. 2394; Dr. p. 504; Gaz. vol. 134; p. 411.
 McElhone, M. H., New York, N. Y. Finger-pad. No. 882,117; Mar. 17; Sp. p. 3268; Dr. p. 696; Gaz. vol. 133; p. 595.
 McElrath, J. T. (See Holt, C. D., assignor.)
 McElrath, J. P., *et al.* (See Stubblefield, N. B., assignor.)
 McElree, V., Pittsburg, Pa. Envelop. No. 883,662; Mar. 31; Sp. p. 6353; Dr. p. 1353; Gaz. vol. 133; p. 1159.
 McElroy, D. W., Keokuk, Iowa. Barrel and hoop construction. No. 893,090; July 14; Sp. p. 1415; Dr. p. 299; Gaz. vol. 135; p. 262.
 McElroy, I. E., Muscatine, Iowa. Cut-off valve for engines. No. 893,188; July 14; Sp. p. 1624; Dr. p. 343; Gaz. vol. 135; p. 294.
 McElroy, J. F., assignor to Consolidated Car Heating Company, Albany, N. Y. Regulating device for steam-heating systems. No. 884,287; Apr. 7; Sp. p. 1253; Dr. p. 263; Gaz. vol. 133; p. 1392.
 McElroy, J. F., assignor to Consolidated Car-Heating Company, Albany, N. Y. Current-director. No. 893,351; July 14; Sp. p. 1936; Dr. p. 407; Gaz. vol. 135; p. 348.
 McElroy, J. F., Albany, N. Y., assignor to Consolidated Car Heating Company. Electric-lighting system. No. 893,533; July 14; Sp. p. 2322; Dr. pp. 487-8; Gaz. vol. 135; p. 407.
 McElroy, J. F., Albany, N. Y., assignor to Consolidated Car Heating Company. Electric-lighting system. No. 893,534; July 14; Sp. p. 2329; Dr. pp. 488-9; Gaz. vol. 135; p. 407.
 McElroy, J. F., Albany, N. Y., assignor to Consolidated Car Heating Company. Air-brake. No. 901,923; Oct. 20; Sp. p. 3862; Dr. p. 788; Gaz. vol. 136; p. 1741.
 McElroy, J. F., assignor to Consolidated Car-Heating Company, Albany, N. Y. Signaling on trains. No. 907,269; Dec. 22; Sp. p. 4194; Gaz. vol. 137; p. 1771.
 McElroy, J. H., Chicago, Ill. Voting-machine. No. 879,114; Feb. 11; Sp. p. 2522; Dr. p. 524; Gaz. vol. 132; p. 1279.
 McElwee, B. F., Dunmore, W. Va. Cutter-bar. No. 885,365; Apr. 21; Sp. p. 3506; Dr. p. 732; Gaz. vol. 133; p. 1807.
 McEntire Bros. (See Brouyette, C. D., assignor.)
 McEvoy, G. N., New York, N. Y. Game apparatus. No. 884,605; Apr. 14; Sp. p. 1901; Dr. p. 408; Gaz. vol. 133; p. 1525.
 McEvoy, J. H., Houston, assignor of one-half to W. B. Sharp, Dallas, Tex. Well-blower. No. 906,733; Dec. 15; Sp. p. 3127; Gaz. vol. 137; p. 1562.
 McEvoy, P., Oil City, Pa. Feed-mixer. No. 902,992; Nov. 3; Sp. p. 931; Gaz. vol. 137; p. 153.
 McEwan, A., Bay City, Mich. Partition for incubators. No. 894,846; Aug. 4; Sp. p. 86; Dr. p. 18; Gaz. vol. 135; p. 915.
 McFadden, B. B., Binghamton, N. Y. Folding file. No. 898,498; Sept. 15; Sp. p. 2535; Dr. pp. 543-4; Gaz. vol. 136; p. 469.
 McFadden, B. B., Binghamton, N. Y. Paper bucket or box. No. 900,115; Oct. 6; Sp. p. 90; Dr. p. 18; Gaz. vol. 136; p. 1088.
 McFaddin, H. D., New York, N. Y. Combination light reflector and diffuser. No. 885,856; Apr. 28; Sp. p. 4503; Dr. p. 946; Gaz. vol. 133; p. 1992.
 McFarland, A. C. (See Dickson and McFarland, assignors.)
 McFarland, C. N., Dorranceton, assignor to Adder Machine Company, Kingston, Pa. Adding-machine. No. 880,159; Feb. 25; Sp. p. 4686; Dr. pp. 987-8; Gaz. vol. 132; p. 1695.
 McFarland, C. N., assignor to Adder Machine Company, Kingston, Pa. Power-transmitting mechanism for calculating-machines. No. 902,103; Oct. 27; Sp. p. 4252; Dr. pp. 861-3; Gaz. vol. 136; p. 1829.
 McFarland, C. N., Kingston, Pa., and C. Wales, Cleveland, Ohio, assignors to Adder Machine Company, Kingston, Pa. Carrying mechanism for adding-machines. No. 880,157; Feb. 25; Sp. p. 4681; Dr. p. 986; Gaz. vol. 132; p. 1694.
 McFarland, C. N., Kingston, Pa., and C. Wales, Cleveland, Ohio, assignors to Adder Machine Company, Kingston, Pa. Momentum-absorber for adding-machines. No. 880,158; Feb. 25; Sp. p. 4684; Dr. p. 987; Gaz. vol. 132; p. 1695.
 McFarland, F. J. (See Maloy and White, assignors.)
 McFarland, G. B., assignor of one-half to W. I. Speice, Columbus, Nebr. Flour-bleaching apparatus. No. 878,738; Feb. 11; Sp. p. 1790; Dr. p. 371; Gaz. vol. 132; p. 1161.
 McFarland, H. R., Newport News, Va. Hand canceling device. No. 902,436; Oct. 27; Sp. p. 4961; Dr. p. 1002; Gaz. vol. 136; p. 1938.
 McFarland, L., Pittsburg, Pa. Metallic tie and rail-fastener. No. 886,841; May 5; Sp. p. 1022; Dr. p. 215; Gaz. vol. 134; p. 168.
 McFarland, E. H., Grand Rapids, Mich. Food compound. No. 884,606; Apr. 14; Sp. p. 1903; Gaz. vol. 133; p. 1526.
 McFarland, W. H., East Orange, N. J. Computing and recording machine. No. 895,664; Aug. 11; Sp. p. 1772; Dr. pp. 376-7; Gaz. vol. 135; p. 1211.
 McFarlane, G. C., Saginaw, Mich. Two-phase pumping system. No. 895,101; Aug. 4; Sp. p. 648; Dr. p. 136; Gaz. vol. 135; p. 1002.
 McFarlane, M. D., Aspen, Colo. Irrigating device. No. 898,984; Sept. 15; Sp. p. 3442; Dr. p. 738; Gaz. vol. 136; p. 626.
 McFaul, W. J., Oakdale, Pa. Attachment for plows. No. 900,413; Oct. 6; Sp. p. 719; Dr. p. 150; Gaz. vol. 136; p. 1186.
 McFeaters, G. H., Johnstown, Pa., assignor to Lorain Steel Company. Contact-box for electric railways. No. 890,866; June 16; Sp. p. 3395; Dr. pp. 744-5; Gaz. vol. 134; p. 1661.
 McGaffey, J. W. (See Bergeron, J. F., assignor.)
 McGahan, F. L., St. Louis, Mo. Smelting ores. No. 891,630; June 23; Sp. p. 4966; Dr. pp. 1071-2; Gaz. vol. 134; p. 1943.
 McGahey, C. R., assignor to Lynchburg Foundry Company, Lynchburg, Va. Flow-moldboard. No. 899,755; Sept. 29; Sp. p. 4980; Dr. p. 1067; Gaz. vol. 136; p. 940.
 McGary, A., La Grange, Ill., assignor of one-fifth to C. G. Hawley. Axle lighting system. No. 906,055; Dec. 8; Sp. p. 1845; Gaz. vol. 137; p. 1317.
 McGary, A., La Grange, Ill., assignor of one-fifth to C. G. Hawley. Axle lighting system. No. 906,056; Dec. 8; Sp. p. 1851; Gaz. vol. 137; p. 1318.
 McGary, A., and J. W. Jepson, New York, N. Y., assignors to Bliss Electric Car Lighting Company, Milwaukee, Wis. Means for mounting and driving dynamos for electric-car lighting. No. 878,305; Feb. 4; Sp. p. 844; Dr. p. 168; Gaz. vol. 132; p. 984.
 McGauley, W. H., Paterson, N. J. Means for lubricating sleeve-bearings. No. 886,625; May 5; Sp. p. 559; Dr. p. 117; Gaz. vol. 134; p. 99.
 McGavock, R. J. (See Martin, Grant, McGavock, Haynes, and Voorhies.)
 McGee, J. J., assignor of one-half to A. F. S. Geoghegan, New York, N. Y. Piston-packing for steam-engines. No. 891,220; June 16; Sp. p. 4106; Dr. p. 901; Gaz. vol. 134; p. 1776.
 McGee, J. J., New York, assignor of one-half to A. F. S. Geoghegan, Brooklyn, N. Y. Piston-packing for explosion-engines. No. 901,023; Oct. 13; Sp. p. 2020; Dr. p. 410; Gaz. vol. 136; p. 1412.
 McGee, R. M., assignor to McGee Switch & Signal Company, Dallas, Tex. Electric railway-gate. No. 886,842; May 5; Sp. p. 1023; Dr. p. 215; Gaz. vol. 134; p. 168.
 McGee, R. M., and W. M. Jones, Dallas, Tex. Automatic railway-switch. No. 878,822; Feb. 11; Sp. p. 1952; Dr. p. 404; Gaz. vol. 132; p. 1187.
 McGee Switch & Signal Company. (See McGee, R. M., assignor.)
 McGee, T. J., and J. Gallagher, Allegheny, Pa. Burner. No. 894,523; July 28; Sp. p. 4478; Dr. p. 927; Gaz. vol. 135; p. 784.
 McGee, W. J. (See Gearing and McGee.)
 McGehee, C. J., *et al.* (See McGhie, W., assignor.)
 McGeorge, H. (See McGeorge, J. and H.)
 McGeorge, J. and H., Cleveland, Ohio. Center-drive axle and wheel. No. 884,752; Apr. 14; Sp. p. 2228; Dr. pp. 470-1; Gaz. vol. 133; p. 1575.
 McGhie, T. B., assignor of one-half to T. Barton, London, England. Treating ores containing arsenic. No. 885,071; Apr. 21; Sp. p. 2863; Gaz. vol. 133; p. 1708.
 McGhie, T. B., assignor of one-half to T. Barton, London, England. Separating salts of cobalt and nickel. No. 888,839; May 26; Sp. p. 5075; Gaz. vol. 134; p. 911.
 McGhie, W., assignor of two-thirds to C. J. McGehee, Live Oak, and O. B. Burroughs, Monticello, Fla. Nut-lock. No. 891,717; June 23; Sp. p. 5150; Dr. p. 1113; Gaz. vol. 134; p. 1972.
 McGiehan, C. D., Jersey City, N. J. Antislipping and non-wearing medium. No. 879,790; Feb. 18; Sp. p. 3893; Dr. p. 816; Gaz. vol. 132; p. 1542.
 McGiehan, C. D., Jersey City, N. J. Combination-mirror. No. 896,658; Aug. 18; Sp. p. 3721; Dr. p. 81; Gaz. vol. 135; p. 1552.
 McGiffert, J. R., assignor to Clyde Iron Works, Duluth, Minn. Frame for log-skidders. No. 893,644; July 21; Sp. p. 2580; Dr. p. 538; Gaz. vol. 135; p. 473.

Alphabetical list of patentees—Continued.

- McGiffert, J. R., assignor to Clyde Iron Works, Duluth, Minn. Log-loading machine. No. 899,180; Sept. 22; Sp. p. 3834; Dr. pp. 820-1; Gaz. vol. 136; p. 718.
- McGiffert, J. R., assignor to Clyde Iron Works, Duluth, Minn. Swinging boom. No. 907,631; Dec. 22; Sp. p. 4931; Gaz. vol. 137; p. 1890.
- McGiffin, H. H., and E. H. McCauley, Pittsburgh, assignors to J. P. Brennan, Braddock, W. L. Elford, and said McGiffin, Pittsburgh, Pa. Clamping device. No. 880,460; Feb. 25; Sp. p. 5307; Dr. p. 1117; Gaz. vol. 132; p. 1797.
- McGiffin, H. H., and E. H. McCauley, Pittsburgh, assignors to J. P. Brennan, Braddock, W. L. Elford, and said McGiffin, Pittsburgh, Pa. Wind-guard. No. 880,461; Feb. 25; Sp. p. 5309; Dr. p. 1117; Gaz. vol. 132; p. 1798.
- McGill, G. W., Riverdale, N. Y. Button and button-fastening. No. 892,003; June 30; Sp. p. 5744; Dr. p. 1275; Gaz. vol. 134; p. 2099.
- McGill, G. W., Riverdale-on-Hudson, N. Y. Metallic fastener. No. 893,352; July 14; Sp. p. 1938; Dr. p. 407; Gaz. vol. 135; p. 348.
- McGill, G. W., Riverdale-on-Hudson, N. Y. Spring-clip. No. 893,353; July 14; Sp. p. 1940; Dr. p. 408; Gaz. vol. 135; p. 348.
- McGill, G. W., Riverdale-on-Hudson, N. Y. Metallic fastener. No. 903,756; Nov. 10; Sp. p. 2438; Gaz. vol. 137; p. 427.
- McGill, G. W., New York, N. Y. Metallic fastener. No. 900,299; Oct. 6; Sp. p. 483; Dr. p. 101; Gaz. vol. 136; p. 1149.
- McGill, J., Terre Haute, Ind. Bottle. No. 899,493; Sept. 22; Sp. p. 4413; Dr. p. 948; Gaz. vol. 136; p. 818.
- McGill, J. H. (See Meyer, A. F. W., assignor.)
- McGill, J. P., Chicago, Ill. Mechanical toy. No. 876,992; Jan. 21; Sp. p. 2683; Dr. p. 583; Gaz. vol. 132; p. 505.
- McGillivray, J., et al. (See Porter, T. J., assignor.)
- McGillivray, J. E., Walla Walla, Wash. Device for attaching cross-arms to telegraph-poles. No. 882,835; Mar. 24; Sp. p. 4660; Dr. p. 992; Gaz. vol. 133; p. 862.
- McGinley, D. J., and W. E. Bonar, Gypsum, Colo. Barrel tap and faucet. No. 889,952; June 9; Sp. p. 1499; Dr. p. 340; Gaz. vol. 134; p. 1327.
- McGinley, J. B., Allegheny, assignor to Crown Fire Extinguisher Company, Pittsburgh, Pa. Valve for fire-sprinkler systems. No. 884,841; Apr. 14; Sp. p. 2427; Dr. p. 509; Gaz. vol. 133; p. 1605.
- McGinn, A. J., Kalispell, Mont. Friction lever-latch. No. 907,391; Dec. 22; Sp. p. 4412; Gaz. vol. 137; p. 1812.
- McGinn, F. P. (See O'Brien, A., assignor.)
- McGinn, J. P., Denver, assignor of three-fourths to C. T. Roach, Glenwood Springs, Colo. Amalgamator. No. 883,117; Mar. 24; Sp. p. 5221; Dr. pp. 1114-15; Gaz. vol. 133; p. 955.
- McGlashan, W., assignor to Winton Motor Carriage Company, Cleveland, Ohio. Vehicle steering mechanism. No. 884,193; Apr. 7; Sp. p. 1095; Dr. p. 229; Gaz. vol. 133; p. 1362.
- McGlincey, J. J., Worcester, assignor to Davis & Furber Machine Company, North Andover, Mass. Spinning-mule. No. 907,316; Oct. 27; Sp. p. 4703; Dr. p. 952; Gaz. vol. 136; p. 1899.
- McGlynn, P. T. (See MacIndoe, F., assignor.)
- McGovern, S. T., Hartford, Conn. Button. No. 878,149; Feb. 4; Sp. p. 501; Dr. p. 107; Gaz. vol. 132; p. 932.
- McGovern, S. T., Columbus, Ind. Pool-ball rack. No. 892,290; June 30; Sp. p. 6287; Dr. p. 1354; Gaz. vol. 134; p. 2193.
- McGowan, F. A., Canton, Ohio. Foot-measure. No. 894,524; July 28; Sp. p. 4479; Dr. p. 928; Gaz. vol. 135; p. 784.
- McGowan, H. E., and E. R. Ellsworth, New York, N. Y. Combined electric service cut-out and meter-board. No. 891,561; June 23; Sp. p. 4818; Dr. pp. 1040-1; Gaz. vol. 134; p. 1920.
- McGowan, H. E., and E. R. Ellsworth, New York, N. Y. Combination electric-service cut-out and meter-panel. No. 898,771; Sept. 15; Sp. p. 3067; Dr. p. 657; Gaz. vol. 136; p. 557.
- McGowen, W., assignor of two-thirds to C. E. Gass and J. W. Herrington, Fanshawe, Okla. Horsehoof-trimmer. No. 893,592; July 14; Sp. p. 2467; Dr. pp. 512-13; Gaz. vol. 135; p. 426.
- McGranahan, C. (See Paar, H., assignor.)
- McGranaghan, J., Roxboro, Pa. Railway-tie. No. 894,525; July 28; Sp. p. 4481; Dr. p. 928; Gaz. vol. 135; p. 784.
- McGrath, J. F., et al. (See Eichmuller, R., assignor.)
- McGrath, L. A., assignor of one-fourth to M. F. Cunningham, Randolph, Mass. Machine for stringing tags. No. 883,223; Mar. 31; Sp. p. 5443; Dr. pp. 1160-1; Gaz. vol. 133; p. 1020.
- McGrath, M. K., Antwerp, Belgium, assignor to Western Electric Company, Chicago, Ill. Condenser and making same. (Reissue.) No. 12,860; Oct. 6; Sp. p. 1330; Dr. p. 271; Gaz. vol. 136; p. 1277.
- McGrath, P., Denver, Colo. Street-railway switch. No. 884,194; Apr. 7; Sp. p. 1097; Dr. pp. 229-30; Gaz. vol. 133; p. 1363.
- McGrath, P., Denver, Colo. Street-railway switch. No. 884,195; Apr. 7; Sp. p. 1102; Dr. p. 231; Gaz. vol. 133; p. 1363.
- McGrath, T., New York, N. Y. Punching-tool. No. 904,714; Nov. 24; Sp. p. 4478; Gaz. vol. 137; p. 811.
- McGrath, W. J., and M. H. Scheff, Cleveland, Ohio. Means for operating car-deck windows. No. 897,386; Sept. 1; Sp. p. 298; Dr. p. 61; Gaz. vol. 136; p. 45.
- McGregor, A. L., assignor of one-half to B. J. Cook, Duluth, Minn. Fender for vehicles. No. 908,025; Dec. 29; Sp. p. 5773; Gaz. vol. 137; p. 2050.
- McGregor, D. H., et al. (See Douglass, A. A., Jr., and D. F., assignors.)
- McGregor, J. W., and L. G. Ferris, Tacoma, Wash. Pulley-clutch bushing. No. 883,559; Mar. 31; Sp. p. 6158; Dr. p. 1309; Gaz. vol. 133; p. 1127.
- McGregor, R. B., Sherard, Miss. Means for protecting river-banks. No. 880,390; Feb. 25; Sp. p. 5138; Dr. p. 1085; Gaz. vol. 132; p. 1772.
- McGregor, R. R., Waco, Tex. Nebulizer. No. 893,354; July 14; Sp. p. 1942; Dr. p. 408; Gaz. vol. 135; p. 349.
- McGroarty, W. B., et al. (See Gullfoyle, J. D., assignor.)
- McGuane, F. J., Chicago, Ill. Bowling-ball and handle. No. 884,991; Apr. 14; Sp. p. 2698; Dr. p. 572; Gaz. vol. 133; p. 1649.
- McGuire-Cummings Manufacturing Company. (See Cooke, W. J., assignor.)
- McGuire, E. J., Lambert, N. C. Lubricator. No. 904,353; Nov. 17; Sp. p. 3735; Gaz. vol. 137; p. 664.
- McGuire, E. W., Richmond, Ind. Lawn-mower. No. 890,998; June 16; Sp. p. 3690; Dr. p. 804; Gaz. vol. 134; p. 1705.
- McGuire, M. G., Niagara Falls, N. Y. Umbrella-rib. No. 895,390; Aug. 4; Sp. p. 1219; Dr. p. 257; Gaz. vol. 135; p. 1098.
- McGuire, T. P. (See Baum, J. B., assignor.)
- McHardy, R. H., London, England. Pneumatic for keyboard musical instruments. No. 890,694; June 16; Sp. p. 3041; Dr. p. 667; Gaz. vol. 134; p. 1605.
- McHardy, R. H., London, England. Pneumatic for keyboard musical instruments. No. 894,847; Aug. 4; Sp. p. 87; Dr. p. 18; Gaz. vol. 135; p. 915.
- McHargue, S. A. (See Ping, R. G., assignor.)
- McHenry, E. H., assignor of one-fourth to C. H. Morrison, New Haven, Conn. Rail-bond. No. 907,083; Dec. 15; Sp. p. 3772; Gaz. vol. 137; p. 1672.
- McHugh, A. L., Cincinnati, Ohio, assignor to Bullock Electric Manufacturing Company. Speed-limiting device. No. 891,282; June 23; Sp. p. 4244; Dr. p. 929; Gaz. vol. 134; p. 1829.
- McHugh, A. L., Cincinnati, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Motor-controller. No. 902,101; Oct. 27; Sp. p. 4249; Dr. p. 861; Gaz. vol. 136; p. 1829.
- McHugh, J. J., Calgary, Alberta, Canada, and A. Wadman, Lewes, England. Temporary cattle-stall. No. 892,381; June 30; Sp. p. 6458; Dr. p. 1392; Gaz. vol. 134; p. 2222.
- McHugh, J. T. (See Downing and McHugh.)
- McIlhenny, J. S., Washington, D. C., assignor of one-half to P. Young, Pittsburg, Pa. Treating gas. No. 885,857; Apr. 28; Sp. p. 4504; Dr. p. 946; Gaz. vol. 133; p. 1092.
- McIlroy, W., Empire, Panama. Safety-clasp for purses and the like. No. 904,981; Nov. 24; Sp. p. 5047; Gaz. vol. 137; p. 899.
- McIlvain, A. T., and G. F. Stover, Olathe, Kans. Compound for rendering photographs translucent. No. 902,102; Oct. 27; Sp. p. 4252; Gaz. vol. 136; p. 1829.
- McIlvried, E. J., assignor to United Engineering & Foundry Company, Pittsburg, Pa. Screw-down mechanism for rolling-mills. No. 901,251; Oct. 13; Sp. p. 2421; Dr. pp. 496-7; Gaz. vol. 136; p. 1483.
- McIlwain, A. T., Abbeville, S. C. Siding attachment for plows. No. 882,768; Mar. 24; Sp. p. 4523; Dr. p. 965; Gaz. vol. 133; p. 840.
- McIlwee, J. A., Cripple Creek, Colo. Propelling apparatus for boats. No. 876,385; Jan. 14; Sp. p. 1395; Dr. p. 301; Gaz. vol. 132; p. 261.
- McInnery, M., Iowa City, Iowa. Toilet article. No. 900,872; Oct. 13; Sp. p. 1709; Dr. p. 346; Gaz. vol. 136; p. 1362.
- McInnery, F., Iowa City, Iowa. Bolt. No. 903,397; Nov. 10; Sp. p. 1711; Gaz. vol. 137; p. 313.
- McInnis, J., Castor, La. Fence-post. No. 883,901; Apr. 7; Sp. p. 467; Dr. p. 92; Gaz. vol. 133; p. 1266.
- McInnis, L. H., Montrose, Miss. Mechanism for ringing bells. No. 875,836; Jan. 7; Sp. p. 299; Dr. p. 64; Gaz. vol. 132; p. 55.
- McIntire, C. S., Brixton, London, England. Apparatus for casting links in chain form. No. 895,883; Aug. 11; Sp. p. 2220; Dr. pp. 473-4; Gaz. vol. 135; p. 1282.
- McIntire, H. H., South Bend, Ind. Electric switch. No. 892,872; July 7; Sp. p. 957; Dr. p. 201; Gaz. vol. 135; p. 161.
- McIntire, H. H., South Bend, Ind. Attachment for photographic-printing apparatus. No. 895,034; Aug. 4; Sp. p. 528; Dr. p. 107; Gaz. vol. 135; p. 981.
- McIntire, H. H., South Bend, Ind. Platen. No. 895,577; Aug. 11; Sp. p. 1606; Dr. p. 339; Gaz. vol. 135; p. 1183.
- McIntire, J. E., Columbus, Ohio. Acetylene-gas generator. No. 890,439; June 9; Sp. p. 2505; Dr. p. 554; Gaz. vol. 134; p. 1489.
- McIntire, J. N., assignor to Brunswick-Balke-Collender Company, New York, N. Y. Combined sofa or settee and pool or billiard table. No. 878,555; Feb. 11; Sp. p. 1417; Dr. p. 290; Gaz. vol. 132; p. 1101.

Alphabetical list of patentees—Continued.

- McIntire, J. N., New York, N. Y., assignor to Brunswick-Balke-Collender Company. Combined device for supporting and leveling furniture. No. 901,636; Oct. 20; Sp. p. 3280; Dr. p. 673; Gaz. vol. 136; p. 1646.
- McIntire, K. A., Richmond, Va. Attachment for slippers. No. 884,520; Apr. 14; Sp. p. 1725; Dr. p. 370; Gaz. vol. 133; p. 1496.
- McIntosh, A. M., Sydney, New South Wales, Australia. Mouth-gag for surgical purposes. No. 902,993; Nov. 3; Sp. p. 934; Gaz. vol. 137; p. 154.
- McIntosh, B., New York, N. Y., assignor to F. A. Hall, Montclair, N. J. Bed-spring. No. 882,264; Mar. 17; Sp. p. 3565; Dr. pp. 755-6; Gaz. vol. 133; p. 642.
- McIntosh, B., assignor to F. A. Hall, New York, N. Y. Clip. No. 907,270; Dec. 22; Sp. p. 4197; Gaz. vol. 137; p. 1772.
- McIntosh, J. D., Alexandria, Ontario, Canada. Ball-bearing vehicle-axle. No. 891,092; June 16; Sp. p. 3851; Dr. p. 842; Gaz. vol. 134; p. 1735.
- McIntosh, W., North Plainfield, N. J., assignor to Locomotive Tender Frame Company, St. Louis, Mo. Car-underframe. No. 886,063; Apr. 28; Sp. p. 4943; Dr. p. 1039; Gaz. vol. 133; p. 2061.
- McIntosh, W., North Plainfield, N. J., assignor to Locomotive Tender Frame Company, St. Louis, Mo. Car-underframe. No. 907,271; Dec. 22; Sp. p. 4199; Gaz. vol. 137; p. 1772.
- McIntosh, W., Plainfield, N. J., assignor to Transom Draft Gear Company, St. Louis, Mo. Draft-gear for railway-cars. No. 898,772; Sept. 15; Sp. p. 3070; Dr. p. 657; Gaz. vol. 136; p. 557.
- McIntosh, W. M., assignor of one-half to H. B. Seaton and F. Macke, Denver, Colo. Key-bolt and automatic lock therefor. No. 881,819; Mar. 10; Sp. p. 2626; Dr. p. 564; Gaz. vol. 133; p. 469.
- McInturf, F. and F. T., Mendota, Ill. Corn-husking machine. No. 879,404; Feb. 18; Sp. p. 3103; Dr. pp. 645-6; Gaz. vol. 132; p. 1416.
- McInturf, F. and F. T., Mendota, Ill. Corn-husking machine. No. 879,405; Feb. 18; Sp. p. 3107; Dr. p. 646; Gaz. vol. 132; p. 1416.
- McInturf, F. T. (See McInturf, F. and F. T.)
- McIntyre, D. D., Bucklin, Kans. Wind-motor. No. 880,321; Feb. 25; Sp. p. 5009; Dr. p. 1057; Gaz. vol. 132; p. 1750.
- McIntyre, D. D., Bucklin, Kans. Oscillating wind-motor. No. 890,440; June 9; Sp. p. 2506; Dr. p. 554; Gaz. vol. 134; p. 1489.
- McIntyre, F., Chicago, Ill. Machine for feeding sheets of metal, &c. No. 875,837; Jan. 7; Sp. p. 300; Dr. pp. 65-6; Gaz. vol. 132; p. 55.
- McIntyre, F. P., Philadelphia, Pa. Cushion for boots and shoes. No. 897,920; Sept. 8; Sp. p. 1402; Dr. p. 299; Gaz. vol. 136; p. 253.
- McIntyre, J., Edmonton, Alberta, Canada. Platform-scaffold. No. 885,507; Apr. 21; Sp. p. 3759; Dr. p. 791; Gaz. vol. 133; p. 1850.
- McIntyre, J., Jersey City, N. J. Ruhmkorff coil. (Reissue). No. 12,805; June 2; Sp. p. 1365; Dr. p. 310; Gaz. vol. 134; p. 1282.
- McIntyre, J., assignor to J. E. McIntyre, Boston, Mass. Vehicle-wheel. No. 892,291; June 30; Sp. p. 6290; Dr. p. 1354; Gaz. vol. 134; p. 2194.
- McIntyre, J. D., Newman, Ill. Electric gas-lighter. No. 899,181; Sept. 22; Sp. p. 3837; Dr. p. 821; Gaz. vol. 136; p. 719.
- McIntyre, J. E. (See McIntyre, J., assignor.)
- McIntyre, M. M., assignor to Perfection Spring Company, Cleveland, Ohio. Vehicle-spring. No. 888,347; May 19; Sp. p. 4028; Dr. p. 849; Gaz. vol. 134; p. 717.
- McIntyre, T., assignor to Eagle Pencil Company, New York, N. Y. Display-package for pencils and the like. No. 893,355; July 14; Sp. p. 1944; Dr. p. 408; Gaz. vol. 135; p. 349.
- McIntyre, W. H. (See Guilford, R. W., assignor.)
- McIsaac, A., Hartford, Conn. Trolley-wire anchor. No. 901,816; Oct. 20; Sp. p. 3676; Dr. p. 746; Gaz. vol. 136; p. 1707.
- McIsaac, D. J., New York, N. Y. Shaving-mirror. No. 894,685; July 28; Sp. p. 4805; Dr. p. 998; Gaz. vol. 135; p. 838.
- McIsaac, J. T., East Weymouth, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 887,957; May 19; Sp. p. 3294; Dr. p. 692; Gaz. vol. 134; p. 593.
- McIvor, D., Humboldt, Minn. Spark-arrester. No. 879,663; Feb. 18; Sp. p. 3648; Dr. p. 763; Gaz. vol. 132; p. 1500.
- McKaig, E. T., Chicago, Ill. Power-transmitter. No. 892,073; June 30; Sp. p. 5864; Dr. pp. 1262-3; Gaz. vol. 134; p. 2120.
- McKay, B. C., Atlanta, N. Y. Trace-holder. No. 902,159; Oct. 27; Sp. p. 4366; Dr. p. 884; Gaz. vol. 136; p. 1847.
- McKay, C. W. (See Scranton, E. M., assignor.)
- McKay, D. O., et al. (See Woods, F. C., assignor.)
- McKay, E., and B. C. Layton, Addison township, Oakland county, Mich. Automatic box-adjusting mechanism. No. 881,941; Mar. 17; Sp. p. 2919; Dr. p. 623; Gaz. vol. 133; p. 538.
- McKay, J. L., Minneapolis, Minn. Table-top protector. No. 888,113; May 19; Sp. p. 3596; Dr. p. 753; Gaz. vol. 134; p. 643.
- McKay, J. W., and C. E. Waugh, Tatamagouche, Nova Scotia, Canada. Heating device for dinner-pails. No. 885,636; Apr. 21; Sp. p. 4030; Dr. p. 842; Gaz. vol. 133; p. 1889.
- McKay, T. J., Atlanta, Ga. Trunk. No. 883,420; Mar. 31; Sp. p. 5869; Dr. p. 1251; Gaz. vol. 133; p. 1084.
- McKay, T. J., Atlanta, Ga. Trunk. No. 889,253; June 2; Sp. p. 113; Dr. p. 27; Gaz. vol. 134; p. 1074.
- McKay, W. R. (See Boyd and McKay.)
- McKean, J. C., Ivanhoe, Okla. Fruit-jar closure. No. 890,164; June 9; Sp. p. 1946; Dr. p. 429; Gaz. vol. 134; p. 1400.
- McKean, J. C., Santa Cruz, Cal. Plate-holder. No. 878,227; Feb. 4; Sp. p. 688; Dr. p. 142; Gaz. vol. 132; p. 957.
- McKechney, H. E., Rochester, N. Y. Hose-nozzle. No. 893,189; July 14; Sp. p. 1626; Dr. p. 343; Gaz. vol. 135; p. 294.
- McKee, A. G., Cleveland, Ohio, assignor of one-half to F. K. Hoover and A. J. Mason, Chicago, Ill. Charging device for blast-furnaces. No. 890,569; June 9; Sp. p. 2753; Dr. p. 609; Gaz. vol. 134; p. 1531.
- McKee, C. W., Phoenix, Ariz. Ter. Weighing-scale. No. 881,020; Mar. 3; Sp. p. 1061; Dr. p. 230; Gaz. vol. 133; p. 181.
- McKee, G. H., Cambridge, Mass. Method and mold for making hollow ware. No. 896,852; Aug. 25; Sp. p. 4157; Dr. p. 891; Gaz. vol. 135; p. 1641.
- McKee, J. A., and G. R. Evans, Philadelphia, Pa. Drying apparatus. No. 894,279; July 28; Sp. p. 3991; Dr. p. 823; Gaz. vol. 135; p. 704.
- McKee, M. A., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Stereotype. No. 885,948; Apr. 28; Sp. p. 4706; Dr. p. 990; Gaz. vol. 133; p. 2024.
- McKee, N., Milwaukee, Wis. Turbine. No. 897,992; Sept. 8; Sp. p. 1559; Dr. p. 331; Gaz. vol. 136; p. 276.
- McKee, R. A., assignor to Allis-Chalmers Company, Milwaukee, Wis. Blade-fastening. No. 899,607; Sept. 29; Sp. p. 4676; Dr. p. 1003; Gaz. vol. 136; p. 893.
- McKee, T. A. (See Riley, M., assignor.)
- McKee, W., Elyria, Ohio. Rolling. No. 885,508; Apr. 21; Sp. p. 3760; Dr. p. 791; Gaz. vol. 133; p. 1850.
- McKee, W., assignor of two-thirds to M. Jacobowsky and M. Bowsky, New York, N. Y. Manufacture of artificial marble from gypsum. No. 886,064; Apr. 28; Sp. p. 4944; Gaz. vol. 133; p. 2061.
- McKee, W. W., Tacoma, Wash. Segment-sawing machine. No. 883,333; Mar. 31; Sp. p. 5660; Dr. p. 1208; Gaz. vol. 133; p. 1054.
- McKeel, G. A., Jackson, Mich. Roller-bearing. No. 896,140; Aug. 18; Sp. p. 2702; Dr. p. 583; Gaz. vol. 135; p. 1386.
- McKeel, G. A., assignor to George A. McKeel & Company, Limited, Jackson, Mich. Roller-bearing. No. 883,469; Mar. 31; Sp. p. 5971; Dr. p. 1274; Gaz. vol. 133; p. 1101.
- McKeen, D. U., Tama, Iowa. Barrel-cover. No. 888,029; May 19; Sp. p. 3430; Dr. p. 720; Gaz. vol. 134; p. 616.
- McKeen, T. L., Easton, Pa. Car draft structure and draft-beam cap. No. 906,650; Dec. 15; Sp. p. 2965; Gaz. vol. 137; p. 1535.
- McKeen, W. H., Brawley, Cal. Plumb-level. No. 901,727; Oct. 20; Sp. p. 3505; Dr. p. 709; Gaz. vol. 136; p. 1679.
- McKeen, W. R., Jr., Omaha, Nebr., and F. S. Barks, assignors to Railroad Weed Burner Company, St. Louis, Mo. Vegetation-destructor. No. 877,515; Jan. 28; Sp. p. 3755; Dr. pp. 813-14; Gaz. vol. 132; p. 699.
- McKeever, L. A., Norton, Kans. Type-writing machine. No. 904,982; Nov. 24; Sp. p. 5048; Gaz. vol. 137; p. 900.
- McKeever, N., Washington, D. C. Corn-grater. No. 892,873; July 7; Sp. p. 958; Dr. p. 201; Gaz. vol. 135; p. 161.
- McKelvey, J. A., Philadelphia, Tenn. Bottle. No. 905,221; Dec. 1; Sp. p. 204; Gaz. vol. 137; p. 1017.
- McKenna, A. G. (See Wheeler and McKenna.)
- McKenna, C. F., New York, N. Y. Retort. No. 890,788; June 16; Sp. p. 3253; Dr. p. 711; Gaz. vol. 134; p. 1637.
- McKenna, J. B., Pueblo, Colo. Flue and valve system for furnaces. No. 881,328; Mar. 10; Sp. p. 1668; Dr. pp. 358-9; Gaz. vol. 133; p. 311.
- McKenna, J. B., Pueblo, Colo. Furnace-valve. No. 884,033; Apr. 7; Sp. p. 740; Dr. p. 153; Gaz. vol. 133; p. 1310.
- McKenzie, A., Canton, Ohio. Machine for forming eaves-troughs. No. 901,637; Oct. 20; Sp. p. 3283; Dr. pp. 673-4; Gaz. vol. 136; p. 1647.
- McKenzie, A., Jamestown, assignor, by mesne assignments, to U. S. Standard Voting Machine Co., Rochester, N. Y. Voting-machine. No. 879,664; Feb. 18; Sp. p. 3649; Dr. p. 764; Gaz. vol. 132; p. 1500.
- McKenzie, A., Jamestown, assignor, by mesne assignments, to U. S. Standard Voting Machine Co., Rochester, N. Y. Voting-machine. No. 895,288; Aug. 4; Sp. p. 1045; Dr. pp. 218-19; Gaz. vol. 135; p. 1066.
- McKenzie, A., Jamestown, assignor, by mesne assignments, to U. S. Standard Voting Machine Co., Rochester, N. Y. Voting-machine. No. 905,564; Dec. 1; Sp. p. 914; Gaz. vol. 137; p. 1129.
- McKenzie, A., assignor to Union Metal Post Company, Canton, Ohio. Column-forming machine. No. 907,084; Dec. 15; Sp. p. 3773; Gaz. vol. 137; p. 1672.
- McKenzie, A. R., Great Falls, Mont. Smelting. No. 897,993; Sept. 8; Sp. p. 1560; Dr. p. 332; Gaz. vol. 136; p. 277.
- McKenzie, C., Port Huron, Mich. Spacing-tool. No. 877,795; Jan. 28; Sp. p. 4291; Dr. p. 931; Gaz. vol. 132; p. 788.
- McKenzie, J. S., Atlanta, Ga. Dust and cinder shield and guard for car-windows. No. 897,994; Sept. 8; Sp. p. 1561; Dr. p. 332; Gaz. vol. 136; p. 277.
- McKeon, J. E., Wilkes-Barre, Pa. Concrete-mixer. No. 901,024; Oct. 13; Sp. p. 2023; Dr. p. 410; Gaz. vol. 136; p. 1412.
- McKeough, W. P. (See Schermerhorn, E., assignor.)

Alphabetical list of patentees—Continued.

- McKeown, W. D., Olex, Oreg. Rail-splice. No. 894,038; July 21; Sp. p. 3474; Dr. p. 711; Gaz. vol. 135; p. 605.
- McKeown, W. S. (See Martin, F. E., assignor.)
- McKernan, J. J., Philadelphia, Pa. Automatic draft-regulator. No. 894,686; July 28; Sp. p. 4807; Dr. p. 998; Gaz. vol. 135; p. 838.
- McKiel, J. B. (See Bell and McKiel.)
- McKiernan, J. H., and E. A. Patrick, Sharpsburg, assignors to E. A. Laurence, Bellevue, Pa. Show-case. No. 875,838; Jan. 7; Sp. p. 304; Dr. p. 66; Gaz. vol. 132; p. 56.
- McKilgitt, R. C., New Orleans, La. Overhead trolley-wire crossing. No. 892,874; July 7; Sp. p. 959; Dr. p. 202; Gaz. vol. 135; p. 161.
- McKillop, A. (See Fawcett and McKillop.)
- McKin, D. R., West Jordan, Utah. Lathe-dog. No. 900,761; Oct. 13; Sp. p. 1464; Dr. p. 298; Gaz. vol. 136; p. 1326.
- McKim, W. B., Elizabeth, N. J. Lead-pencil. No. 894,687; July 28; Sp. p. 4808; Dr. p. 998; Gaz. vol. 135; p. 838.
- McKinlay, D., Atlanta, Ga. Table-desk. No. 906,264; Dec. 8; Sp. p. 2258; Gaz. vol. 137; p. 1387.
- McKinley, F. E., Guthrie, Okla., assignor, by mesne assignments, to Desert Gold Machine Company, Wichita, Kans. Ore-concentrator. No. 897,223; Aug. 25; Sp. p. 4941; Dr. pp. 1049-50; Gaz. vol. 135; p. 1762.
- McKinley, R. J., and W. T. Aitken, Alliston, Ontario, Canada. Manure-loader. No. 907,272; Dec. 22; Sp. p. 4200; Gaz. vol. 137; p. 1772.
- McKinney, F., Fruitvale, Cal. Baling-press. No. 906,265; Dec. 8; Sp. p. 2259; Gaz. vol. 137; p. 1388.
- McKinney, J. L. (See De Armon and McKinney.)
- McKinney, J. P., assignor to McKinney Manufacturing Company, Pittsburg, Pa. Shelf-bracket. No. 890,369; June 9; Sp. p. 2377; Dr. p. 524; Gaz. vol. 134; p. 1466.
- McKinney, L. P., assignor of one-half to J. L. Snow, Boston, Mass. Spare-tire holder. No. 899,126; Sept. 22; Sp. p. 3714; Dr. p. 796; Gaz. vol. 136; p. 700.
- McKinney Manufacturing Company. (See McKinney, J. P., assignor.)
- McKinney, R. (See Lippmann and McKinney.)
- McKinnon, E. L., Sheboygan Falls, Wis. Cheese-press. No. 882,792; Mar. 24; Sp. p. 4560; Dr. pp. 973-4; Gaz. vol. 133; p. 847.
- McKinzie, J. E., Winterset, Iowa. Poultry-roost. No. 892,004; June 30; Sp. p. 5746; Dr. p. 1276; Gaz. vol. 134; p. 2099.
- McKissick, A. J., *et al.* (See McKissick, E. R., assignor.)
- McKissick, E. R., Adel, assignor of three-fourths to W. L. McKissick, W. Mitchell, and A. J. McKissick, De Soto, Iowa. Brick-kiln. No. 891,946; June 30; Sp. p. 5632; Dr. pp. 1213-14; Gaz. vol. 134; p. 2081.
- McKissick, W. L., *et al.* (See McKissick, E. R., assignor.)
- McKnight, E. J. (See Nichols, T., assignor.)
- McKnight, J. M. (See Beatty, O., assignor.)
- McKnight, L. G., Gardner, Mass. Machine for making chair-seats. No. 886,721; May 5; Sp. p. 790; Dr. p. 162; Gaz. vol. 134; p. 132.
- McKnight, R., Pittsburg, Pa. Electric furnace. No. 900,192; Oct. 6; Sp. p. 256; Dr. p. 51; Gaz. vol. 136; p. 1114.
- McKnight, T. R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 888,187; May 19; Sp. p. 3723; Dr. p. 779; Gaz. vol. 134; p. 667.
- McKnight, T. R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 888,188; May 19; Sp. p. 3725; Dr. p. 780; Gaz. vol. 134; p. 666.
- McKnight, T. R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Railway dump-car. No. 888,526; May 26; Sp. p. 4392; Dr. pp. 930-1; Gaz. vol. 134; p. 806.
- McKnight, T. R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Engineer's valve for compressed-air-operated dump-cars. No. 894,280; July 28; Sp. p. 3992; Dr. pp. 823-4; Gaz. vol. 135; p. 704.
- McKnight, T. R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Road-machine. No. 894,281; July 28; Sp. p. 3995; Dr. pp. 824-5; Gaz. vol. 135; p. 705.
- McKnight, T. R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Gate for dump-cars. No. 905,222; Dec. 1; Sp. p. 206; Gaz. vol. 137; p. 1017.
- McKown, T. D., Pittsburg, Ga. Shaving-mug. No. 898,773; Sept. 15; Sp. p. 3071; Dr. p. 657; Gaz. vol. 136; p. 558.
- McKoy, E. A., New Orleans, La. Turpentine-cup. No. 885,697; Apr. 21; Sp. p. 4160; Dr. p. 870; Gaz. vol. 133; p. 1909.
- McKoy, E. A., New Orleans, La. Sap-receiving receptacle. (Reissue.) No. 12,810; June 9; Sp. p. 2815; Dr. p. 620; Gaz. vol. 134; p. 1540.
- McKoy, E. A., New Orleans, La. Turpentine-cup. No. 897,126; Aug. 25; Sp. p. 4749; Dr. p. 1011; Gaz. vol. 135; p. 1733.
- McKoy, E. A., New Orleans, La. Turpentine-cup. No. 906,057; Dec. 8; Sp. p. 1858; Gaz. vol. 137; p. 1318.
- McKoy, E. A., New Orleans, La. Turpentine-cup. No. 906,058; Dec. 8; Sp. p. 1859; Gaz. vol. 137; p. 1319.
- McKoy, E. A., New Orleans, La. Turpentine-gathering apparatus. No. 906,059; Dec. 8; Sp. p. 1861; Gaz. vol. 137; p. 1319.
- McKoy, E. A., New Orleans, La. Turpentine-cup. No. 906,453; Dec. 8; Sp. p. 2598; Gaz. vol. 137; p. 1447.
- McKrell, H. E. (See Inrig, A. G., assignor.)
- McLain, W., Spiritwood, N. D. Oil-cup. No. 904,354; Nov. 17; Sp. p. 3737; Gaz. vol. 137; p. 665.
- McLane, A., Lansford, Pa. Game apparatus. No. 887,342; May 12; Sp. p. 2056; Dr. p. 430; Gaz. vol. 134; p. 360.
- McLane, J. A., assignor to Patent Holding and Manufacturing Company, Grafton, W. Va. Engraving-machine. No. 881,021; Mar. 3; Sp. p. 1063; Dr. pp. 230-1; Gaz. vol. 133; p. 181.
- McLaren, F. J. (See Johnson and McLaren.)
- McLaren, J. M., Vancouver, British Columbia, Canada. Saw-carriage set-works. No. 902,994; Nov. 3; Sp. p. 935; Gaz. vol. 137; p. 154.
- McLaren, G. C., *et al.* (See Stubbsfield, N. B., assignor.)
- McLarn, E. S., New York, N. Y., assignor to Western Electric Company, Chicago, Ill. Transmitter-bracket. No. 905,907; Dec. 8; Sp. p. 1576; Gaz. vol. 137; p. 1271.
- McLaughlin, C. F., Name, La. Recorder for measuring lumber. No. 892,292; June 30; Sp. p. 6291; Dr. p. 1355; Gaz. vol. 134; p. 2194.
- McLaughlin, D. J. (See Frey and McLaughlin.)
- McLaughlin, D. M., Louisville, Ky. Balanced pump. No. 877,583; Jan. 28; Sp. p. 3906; Dr. p. 845; Gaz. vol. 132; p. 721.
- McLaughlin, J., Ottawa, Ontario, Canada. Lumber-kiln. No. 894,454; July 28; Sp. p. 4353; Dr. p. 897; Gaz. vol. 135; p. 762.
- McLaughlin, J. C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 878,988; Feb. 11; Sp. p. 2261; Dr. p. 473; Gaz. vol. 132; p. 1240.
- McLaughlin, J. C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 883,470; Mar. 31; Sp. p. 5972; Dr. pp. 1274-5; Gaz. vol. 133; p. 1101.
- McLaughlin, J. C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 889,144; May 26; Sp. p. 5686; Dr. p. 1203; Gaz. vol. 134; p. 1010.
- McLaughlin, J. C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 889,855; June 2; Sp. p. 1290; Dr. p. 296; Gaz. vol. 134; p. 1270.
- McLaughlin, J. C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 890,370; June 9; Sp. p. 2378; Dr. pp. 524-5; Gaz. vol. 134; p. 1466.
- McLaughlin, J. C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 890,867; June 16; Sp. p. 3398; Dr. p. 745; Gaz. vol. 134; p. 1662.
- McLaughlin, J. C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 900,574; Oct. 6; Sp. p. 1078; Dr. p. 221; Gaz. vol. 136; p. 1238.
- McLaughlin, J. C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 905,091; Nov. 24; Sp. p. 5259; Gaz. vol. 137; p. 937.
- McLaughlin, J. C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 907,632; Dec. 22; Sp. p. 4937; Gaz. vol. 137; p. 1891.
- McLaughlin, M. P., Wakefield, Mass. Flexible conduit-joint. No. 882,836; Mar. 24; Sp. p. 4662; Dr. p. 992; Gaz. vol. 133; p. 862.
- McLaughlin, N., Jethro, Ark. Lumber-raft. No. 884,408; Apr. 14; Sp. p. 1494; Dr. p. 321; Gaz. vol. 133; p. 1462.
- McLaughlin, P. A., *et al.* (See Ridenour, C. D., assignor.)
- McLaughlin, W. A., Sims, Ill. Mail-bag delivering and receiving apparatus. No. 896,141; Aug. 18; Sp. p. 2703; Dr. pp. 583-4; Gaz. vol. 135; p. 1386.
- McLaughlin, W. K., *et al.* (See Wolke, G., assignor.)
- McLaurin, R. A., Kelvinside, Scotland. Treatment of gum-paper and the like. No. 882,336; Mar. 17; Sp. p. 3698; Dr. p. 786; Gaz. vol. 133; p. 666.
- McLaurin, R. A., Millikenpark, Scotland. Gummed paper and making the same. No. 890,570; June 9; Sp. p. 2755; Dr. p. 609; Gaz. vol. 134; p. 1531.
- McLay, W., Chicago, Ill. Roller-skate. No. 892,758; July 7; Sp. p. 717; Dr. p. 151; Gaz. vol. 135; p. 124.
- McLean, A. B., Mansfield, Ohio. Clip. No. 897,645; Sept. 1; Sp. p. 815; Dr. p. 171; Gaz. vol. 136; p. 130.
- McLean, C. B., trustee. (See Geltz and Hosack, assignors.)
- McLean, D., North Shields, England. Chimney-cowl. No. 888,728; May 26; Sp. p. 4517; Dr. p. 1027; Gaz. vol. 134; p. 875.
- McLean, G. A., Atlanta, Ga., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 885,509; Apr. 21; Sp. p. 3762; Dr. p. 791; Gaz. vol. 133; p. 1850.
- McLean, J. J., Moose Jaw, Saskatchewan, Canada. Cultivator. No. 893,091; July 14; Sp. p. 1416; Dr. pp. 299-300; Gaz. vol. 135; p. 263.

Alphabetical list of patentees—Continued.

- McLean, R. K., and W. K. Gibson, Belfast, Ireland. Safety-reflector for vehicles. No. 899,698; Sept. 29; Sp. p. 4853; Dr. p. 1040; Gaz. vol. 136; p. 920.
- McLean, W. B., Hensall, Ontario, Canada. Stovepipe-thimble. No. 894,455; July 28; Sp. p. 4355; Dr. pp. 897-8; Gaz. vol. 135; p. 763.
- McLean, W. T. (See Lyons, Clark, and McLean.)
- McLellan, H. R. (See Stirling, W. H., assignor.)
- McLellan, H. R. (See White, J., assignor.)
- McLellan, J. R., Wichita, Kans. Malling device. No. 886,843; May 5; Sp. p. 1027; Dr. p. 215; Gaz. vol. 134; p. 168.
- McLennan, M., Monroe, Wash. Brake mechanism. No. 889,953; June 9; Sp. p. 1500; Dr. p. 340; Gaz. vol. 134; p. 1327.
- McLeod, A. (See McLeod, J. H. and A.)
- McLeod, A. Z., New York, N. Y. Caisson construction. No. 876,927; Jan. 14; Sp. p. 2309; Dr. p. 508; Gaz. vol. 132; p. 408.
- McLeod, C. D. (See Yockey and McLeod.)
- McLeod, J. H. (See Connelly and McLeod.)
- McLeod, J. H., La Salle, and A. McLeod, Peru, Ill. Weighing-scale. No. 895,289; Aug. 4; Sp. p. 1051; Dr. pp. 219-20; Gaz. vol. 135; p. 1067.
- McLeod, K., Brookville, Pa. Tile. No. 895,884; Aug. 11; Sp. p. 2222; Dr. p. 474; Gaz. vol. 135; p. 1282.
- McLeod, K. K., White Bear Lake, Minn. Journal-support for centrifugal machines. No. 879,115; Feb. 11; Sp. p. 2526; Dr. p. 525; Gaz. vol. 132; p. 1279.
- McLeod, R. S., Manchester, England. System of electrical distribution. No. 878,661; Feb. 11; Sp. p. 1648; Dr. pp. 338-9; Gaz. vol. 132; p. 1136.
- McLeran, A. M., assignor to Two Edge Manufacturing Co., Kansas City, Mo. Adjustable tool-rest. No. 894,338; July 28; Sp. p. 4109; Dr. p. 848; Gaz. vol. 135; p. 724.
- McLeran, G. R., North Yakima, Wash. Dray-wagon. No. 901,252; Oct. 13; Sp. p. 2422; Dr. p. 497; Gaz. vol. 136; p. 1483.
- McLewee, W. S., Yardley, Pa. Telephone fire-alarm system. No. 884,607; Apr. 14; Sp. p. 1904; Dr. pp. 408-9; Gaz. vol. 133; p. 1526.
- McLimans, J. P., New York, N. Y. Furnace. No. 908,311; Dec. 29; Sp. p. 6369; Gaz. vol. 137; p. 2148.
- McLoughlin Brothers. (See Rigney, W. J., assignor.)
- McLure, C. D., St. Louis, Mo. Ore-grinding mill. No. 893,535; July 14; Sp. p. 2335; Dr. p. 489; Gaz. vol. 135; p. 408.
- McMachen, W. H., Superior, Wis. Grain-car door. No. 906,060; Dec. 8; Sp. p. 1863; Gaz. vol. 137; p. 1319.
- McMahan, H. I., assignor to St. Paul Journal Box Company, St. Paul, Minn. Car-axle-box lid. No. 894,896; Aug. 4; Sp. p. 201; Dr. pp. 44-5; Gaz. vol. 135; p. 932.
- McMahon, E., Springfield, Ill. Cornice-making machine. No. 901,364; Oct. 20; Sp. p. 2688; Dr. pp. 551-2; Gaz. vol. 136; p. 1557.
- McMahon, J., St. Louis, Mo. Reversing mechanism. No. 903,222; Nov. 10; Sp. p. 1381; Gaz. vol. 137; p. 256.
- McMahon, M. T., Bridgeport, Conn. Positive-shuttle-motion device. No. 905,908; Dec. 8; Sp. p. 1577; Gaz. vol. 137; p. 1271.
- McMahon, O. E., Elgin, Ill. Reel. No. 879,570; Feb. 18; Sp. p. 3445; Dr. p. 721; Gaz. vol. 132; p. 1470.
- McMahon, O. E., Elgin, Ill. Gripping device. No. 880,090; Feb. 25; Sp. p. 4546; Dr. p. 957; Gaz. vol. 132; p. 1673.
- McManama, J. W., Waltham, assignor to Boston Safety Switch Company, Boston, Mass. Safety appliance for railway-switches. No. 876,577; Jan. 14; Sp. p. 1825; Dr. p. 399; Gaz. vol. 132; p. 328.
- McMannama, D., Villisca, Iowa. Washing-machine. No. 901,817; Oct. 20; Sp. p. 3677; Dr. p. 747; Gaz. vol. 136; p. 1707.
- McManamy, I. D., Botkins, Ohio. Adjustable headlight. No. 888,641; May 26; Sp. p. 4648; Dr. p. 986; Gaz. vol. 134; p. 848.
- McManus, G. F., New York, N. Y. Collar. No. 886,844; May 5; Sp. p. 1028; Dr. p. 216; Gaz. vol. 134; p. 169.
- McManus, J. (See Klinge, W., assignor.)
- McManus, J. A., Philadelphia, Pa. Wave-motor. No. 901,117; Oct. 13; Sp. p. 2193; Dr. p. 446; Gaz. vol. 136; p. 1441.
- McMarlin, D. C., Allegheny, Pa. Clothes-line holder. No. 876,221; Jan. 7; Sp. p. 1047; Dr. p. 226; Gaz. vol. 132; p. 176.
- McMaster, M. E., Quincy, Ill. Printing-ink. No. 877,219; Jan. 21; Sp. p. 3179; Gaz. vol. 132; p. 583.
- McMaster, M. E., Monroe City, Mo. Shelf-bracket. No. 892,542; July 7; Sp. p. 289; Dr. p. 63; Gaz. vol. 135; p. 54.
- McMaster, S. B., Columbia, S. C. Wheel. No. 876,886; Jan. 14; Sp. p. 1396; Dr. p. 301; Gaz. vol. 132; p. 261.
- McMaugh, A. W., and R. Welch, St. Catharines, Ontario, Canada. Electric railway-signal. No. 895,035; Aug. 4; Sp. p. 531; Dr. p. 108; Gaz. vol. 135; p. 981.
- McMeel, E. C. (See Wilson, W. L., assignor.)
- McMeen, J. E., Galesburg, Ill. Cable-terminal. No. 905,347; Dec. 1; Sp. p. 433; Gaz. vol. 137; p. 1056.
- McMichael, F., assignor of one-half to G. Woodring, Dubois, Pa. Curtain-pole and shade bracket. No. 895,665; Aug. 11; Sp. p. 1778; Dr. p. 577; Gaz. vol. 135; p. 1212.
- McMillan, A. H. (See McMillan, F. and A. H.)
- McMillan, C. E., Council Grove, Kans. Safety-shield for disk harrows. No. 902,437; Oct. 27; Sp. p. 4962; Dr. p. 1002; Gaz. vol. 136; p. 1938.
- McMillan, F. and A. H., Chicago, Ill., assignors to C. W. Bell, Jackson, Mich. Combined illuminating gas and vapor burner. No. 905,738; Dec. 1; Sp. p. 1240; Gaz. vol. 137; p. 1184.
- McMillan, G. M., Atlanta, Ga. Horse-collar. No. 887,688; May 12; Sp. p. 2739; Dr. p. 579; Gaz. vol. 134; p. 473.
- McMillan, H. P., Baltimore, Md. Detachable closure for receptacles. No. 886,397; May 5; Sp. p. 111; Dr. p. 21; Gaz. vol. 134; p. 24.
- McMillan, J. B., North Vernon, Ind. Mail-bag catcher and deliverer. No. 906,815; Dec. 15; Sp. p. 3280; Gaz. vol. 137; p. 1588.
- McMillan, J. D., Alhambra, Cal. Harrow. No. 900,116; Oct. 6; Sp. p. 91; Dr. p. 19; Gaz. vol. 136; p. 1088.
- McMillan, P., Pierce City, Mo. Levee-protector. No. 887,499; May 12; Sp. p. 2395; Dr. p. 504; Gaz. vol. 134; p. 412.
- McMillan, T. B., Sherry, Tex. Coupling. No. 891,718; June 23; Sp. p. 5152; Dr. p. 1113; Gaz. vol. 134; p. 1973.
- McMillin, L. J., Indianapolis, Ind. Automatic controller for wagon-dumps. No. 886,536; May 5; Sp. p. 381; Dr. p. 80; Gaz. vol. 134; p. 70.
- McMorrow, P. J., assignor to A. Geisel Manufacturing Company, St. Louis, Mo. Knockdown stove. No. 889,254; June 2; Sp. p. 115; Dr. pp. 27-8; Gaz. vol. 134; p. 1078.
- McMullen, J., Milford, Tex. Wheel-plow. No. 881,820; Mar. 10; Sp. p. 2628; Dr. p. 564; Gaz. vol. 133; p. 469.
- McMullen, G. W., Chicago, Ill. Sugar-reducing product. No. 898,592; Sept. 15; Sp. p. 2716; Gaz. vol. 136; p. 499.
- McMullen, L., Altoona, Pa. Knockdown box or crate. No. 898,062; Sept. 8; Sp. p. 1707; Dr. pp. 361-2; Gaz. vol. 136; p. 298.
- McMunn, G. W., and A. C. Howell, Pittsburg, Pa. Air-brake. No. 899,318; Sept. 22; Sp. p. 4110; Dr. p. 879; Gaz. vol. 136; p. 762.
- McMurphy, C. L., Hartsfield, Ga. Cotton-planter. No. 887,500; May 12; Sp. p. 2396; Dr. p. 504; Gaz. vol. 134; p. 412.
- McMurry, E. H., assignor of one-fourth to J. L. West and three-sixths to H. S. and R. L. Mixon and L. Robinson, Marianna, Ark. Baling-press. No. 883,145; Mar. 24; Sp. p. 5275; Dr. p. 1125; Gaz. vol. 133; p. 963.
- McMurtrie, A., assignor to Thomas and Betts, New York, N. Y. Junction-box for electrical conduits. No. 882,337; Mar. 17; Sp. p. 3700; Dr. p. 787; Gaz. vol. 133; p. 666.
- McMurtrie, T. A., assignor, by mesne assignments, to Kimmerle Concrete Machinery Company, Los Angeles, Cal. Artificial-stone machine. No. 878,417; Feb. 4; Sp. p. 1052; Dr. p. 213; Gaz. vol. 132; p. 1021.
- McMurtry, A. L., New York, N. Y., assignor to Wyckoff, Church & Partridge. Wheel for motor vehicles. No. 904,143; Nov. 17; Sp. p. 3267; Gaz. vol. 137; p. 592.
- McMurtry, G. C., assignor to Antiseptic Cone Co., Los Angeles, Cal. Antiseptic cone. No. 896,409; Aug. 18; Sp. p. 3250; Dr. p. 606; Gaz. vol. 135; p. 1473.
- McMyler, J., assignor to McMyler Manufacturing Company, Cleveland, Ohio. Hoisting and conveying apparatus. No. 891,631; June 23; Sp. p. 4971; Dr. p. 1072; Gaz. vol. 134; p. 1943.
- McMyler, J., assignor to McMyler Manufacturing Company, Cleveland, Ohio. Derrick. No. 901,461; Oct. 20; Sp. p. 2926; Dr. pp. 596-7; Gaz. vol. 136; p. 1591.
- McMyler Manufacturing Company. (See Lovell, F. W., assignor.)
- McMyler Manufacturing Company. (See McMyler, J., assignor.)
- McNab, N. S., Caulfield, and J. S. Link, Melbourne, Victoria, Australia. Time-recording register. No. 879,665; Feb. 18; Sp. p. 3656; Dr. pp. 764-5; Gaz. vol. 132; p. 1501.
- McNair, R. H. and W. A., Peoria, Ill. Adding-machine. No. 880,034; Feb. 25; Sp. p. 4435; Dr. pp. 931-4; Gaz. vol. 132; p. 1655.
- McNair, W. A. (See Edson, J. M., assignor.)
- McNair, W. A. (See McNair, R. H. and W. A.)
- McNally, J. T., Chicago, Ill. Grain-car. No. 901,183; Oct. 13; Sp. p. 2301; Dr. pp. 470-1; Gaz. vol. 136; p. 1462.
- McNally, P. T., Mandan, N. D. Electrical cut-out. No. 887,501; May 12; Sp. p. 2397; Dr. p. 505; Gaz. vol. 134; p. 412.
- McNally, T., Cork, Ohio. Pump attachment. No. 889,325; June 2; Sp. p. 257; Dr. p. 63; Gaz. vol. 134; p. 1100.
- McNamar, G. A., Meriden, Conn. Storing and display case. No. 901,638; Oct. 20; Sp. p. 3286; Dr. p. 674; Gaz. vol. 136; p. 1648.
- McNamara, J., et al. (See Cunningham, F. H., assignor.)
- McNamara, J. C., Troy, N. Y. Awning-support. No. 895,578; Aug. 11; Sp. p. 1607; Dr. p. 339; Gaz. vol. 135; p. 1183.
- McNamara, M. H., Baltimore, Md. Cane-stool. No. 899,553; Sept. 29; Sp. p. 4567; Dr. p. 981; Gaz. vol. 136; p. 875.
- McNamee, J. (See Chenoweth, A. C., assignor.)
- McNamee, J., Amsterdam, N. Y. Knit fabric. No. 898,985; Sept. 15; Sp. p. 3443; Dr. p. 739; Gaz. vol. 136; p. 626.
- McNamee, J. J., Norwood, Ohio. Brake-setting apparatus for railways. No. 876,387; Jan. 14; Sp. p. 1398; Dr. p. 302; Gaz. vol. 132; p. 262.
- McNaughton, A., Buffalo, N. Y. Mold for steel castings. No. 907,520; Dec. 22; Sp. p. 4680; Gaz. vol. 137; p. 1855.

Alphabetical list of patentees—Continued.

- McNaughton, J., London, Ontario, Canada. Type and means for securing the same. No. 887,216; May 12; Sp. p. 1719; Dr. p. 365; Gaz. vol. 134; p. 315.
- McNaughton, J. M., *et al.* (See Reardon, D. W., assignor.)
- McNaughton, W. W., Newark, N. J. Stationery novelty. No. 878,823; Feb. 11; Sp. p. 1956; Dr. p. 405; Gaz. vol. 132; p. 1188.
- McNaull, W. D., Toledo, Ohio. Wheel for vehicles. No. 899,699; Sept. 29; Sp. p. 4854; Dr. p. 1040; Gaz. vol. 136; p. 920.
- McNeal, A. F. (See White, H., assignor.)
- McNeal, C. A., Newark, Ohio. Sign. No. 905,565; Dec. 1; Sp. p. 918; Gaz. vol. 137; p. 1130.
- McNeal, J. A., Churubusco, Ind. Dumping mechanism for harvesting-machines. No. 887,343; May 12; Sp. p. 2058; Dr. p. 431; Gaz. vol. 134; p. 360.
- McNeal, L. C., assignor of one-fourth to H. L. Osgood and C. S. Davis, Rochester, N. Y. Temporary binder for loose sheets. No. 893,385; Sept. 8; Sp. p. 2301; Dr. p. 489; Gaz. vol. 136; p. 400.
- McNearney, J. J., Pittsburg, Pa. Hat, coat, and umbrella rack. No. 880,232; Feb. 25; Sp. p. 4845; Dr. p. 1024; Gaz. vol. 132; p. 1721.
- McNeel, D. W., Charleston, Ill. Churn. No. 886,626; May 5; Sp. p. 560; Dr. p. 118; Gaz. vol. 134; p. 99.
- McNees, T. G., and J. A. Lackey, Slippery Rock, Pa. Nut-lock. No. 885,510; Apr. 21; Sp. p. 3764; Dr. p. 792; Gaz. vol. 133; p. 1851.
- McNeil, A. H., Highams Park, England. Electric fire-alarm and thermo-indicator. No. 891,948; June 30; Sp. p. 5639; Dr. p. 1214; Gaz. vol. 133; p. 2082.
- McNeil, C. W., San Antonio, assignor of one-half to J. B. Armstrong, Cameron county, Tex. Locking-bolt for guards to openings. No. 883,471; Mar. 31; Sp. p. 5975; Dr. p. 1275; Gaz. vol. 133; p. 1101.
- McNeil, D. W., assignor to John Douglas Company, Cincinnati, Ohio. Spring-hinge. No. 902,596; Nov. 3; Sp. p. 133; Gaz. vol. 137; p. 22.
- McNeil, D. W., assignor to John Douglas Company, Cincinnati, Ohio. Water-closet seat. No. 906,734; Dec. 15; Sp. p. 3129; Gaz. vol. 137; p. 1563.
- McNeil, J., assignor to John Douglas Company, Cincinnati, Ohio. Paper-roll holder. No. 899,461; Sept. 22; Sp. p. 4356; Dr. p. 935; Gaz. vol. 136; p. 807.
- McNeill, B., London, England. Tabulated gage for telegraphic or secret codes. No. 880,905; Mar. 3; Sp. p. 860; Dr. p. 183; Gaz. vol. 133; p. 144.
- McNicol, P. O., Eureka, Kans. Horse-releaser. No. 906,266; Dec. 8; Sp. p. 2260; Gaz. vol. 137; p. 1388.
- McNitt, A. E., Chicago, Ill. Mixer. No. 905,092; Nov. 24; Sp. p. 5261; Gaz. vol. 137; p. 937.
- McNitt, C. J., Salt Lake City, Utah. Railway-car transom and other window screen. No. 881,608; Mar. 10; Sp. p. 2222; Dr. p. 483; Gaz. vol. 133; p. 403.
- McNiven, A. C., Langdon, N. D. Portable tray or truck. No. 886,537; May 5; Sp. p. 382; Dr. p. 80; Gaz. vol. 134; p. 70.
- McNutt, R. C., Mendota, Ill. Insulator. No. 876,828; Jan. 14; Sp. p. 2313; Dr. p. 508; Gaz. vol. 132; p. 409.
- McNutt, R. C., Mendota, Ill. Box-fastener. No. 907,085; Dec. 15; Sp. p. 3777; Gaz. vol. 137; p. 1672.
- McNutt, W. H., assignor to W. E. Roche, New York, N. Y. Filling device for cans. No. 900,762; Oct. 13; Sp. p. 1467; Dr. p. 299; Gaz. vol. 136; p. 1326.
- McNutt, W. H., assignor to W. E. Roche, New York, N. Y. Non-explosive closure for tanks. No. 900,763; Oct. 13; Sp. p. 1468; Dr. p. 299; Gaz. vol. 136; p. 1326.
- McNutt, W. H., assignor to W. E. Roche, New York, N. Y. Safety filler-can. No. 900,764; Oct. 13; Sp. p. 1469; Dr. p. 299; Gaz. vol. 136; p. 1327.
- McNutt, W. H., assignor to W. E. Roche, New York, N. Y. Cartridge system for explosive-engines. No. 900,765; Oct. 13; Sp. p. 1471; Dr. p. 299; Gaz. vol. 136; p. 1327.
- McOsker, D. J., Providence, R. I. Traveling advertising apparatus. No. 889,390; June 2; Sp. p. 406; Dr. pp. 95-6; Gaz. vol. 134; p. 1122.
- McPhee, C. C., Montreal, Quebec, Canada. Type-writing machine. No. 880,391; Feb. 25; Sp. p. 5139; Dr. pp. 1085-7; Gaz. vol. 132; p. 1772.
- McPhee, J. H. A., Dunedin, New Zealand. Tobacco cutter and box. No. 888,642; May 26; Sp. p. 4649; Dr. p. 986; Gaz. vol. 134; p. 848.
- McPherson, A., Stoke Newington, England. Printing-machine. No. 895,290; Aug. 4; Sp. p. 1055; Dr. p. 221; Gaz. vol. 135; p. 1067.
- McPherson, A. W. (See Stover, S. B., assignor.)
- McPherson, J., assignor of one-half to W. A. Williams and S. O. Morrow, Carthage, Mo. Bed-spring. No. 887,111; May 12; Sp. p. 1544; Dr. p. 326; Gaz. vol. 134; p. 283.
- McPherson, L. O., Highland Park, Ill. Electric igniter for gas or vapor engines. No. 885,072; Apr. 21; Sp. p. 2864; Dr. p. 608; Gaz. vol. 133; p. 1708.
- McPherson, T. C., assignor of one-half to Keystone Wire Matting Co., Beaver Falls, Pa. Mat. No. 894,848; Aug. 4; Sp. p. 89; Dr. p. 19; Gaz. vol. 135; p. 916.
- McPherson, W. B., assignor to Non Acid Copper Extracting Company, Los Angeles, Cal. Oxidizing means for solutions. No. 877,445; Jan. 21; Sp. p. 8604; Dr. p. 780; Gaz. vol. 132; p. 655.
- McPherson, W. D., Chicago, Ill. Door-lock. No. 891,562; June 23; Sp. p. 4820; Dr. p. 1041; Gaz. vol. 134; p. 1920.
- McPherson, W. E. (See Brown and McPherson.)
- McPherson, W. E., Rensselaer, N. Y. Berth-hammock. No. 894,849; Aug. 4; Sp. p. 90; Dr. p. 19; Gaz. vol. 135; p. 916.
- McQuade, J. A., Lowell, Mass. Street-car fender. No. 880,233; Feb. 25; Sp. p. 4847; Dr. p. 1025; Gaz. vol. 132; p. 1722.
- McQuaid, C. F. (See Johnson, J., assignor.)
- McQuain, G. J. (See Dean, D. A., assignor.)
- McQuarrie, J. L., Oak Park, assignor to Western Electric Company, Chicago, Ill. Combined signal and spring-jack. No. 890,695; June 16; Sp. p. 3042; Dr. p. 667; Gaz. vol. 134; p. 1605.
- McQueen, F. R., Minneapolis, Minn. Storage-bin. No. 896,233; Aug. 18; Sp. p. 2876; Dr. pp. 620-1; Gaz. vol. 135; p. 1418.
- McQueen, F. R. (See Ellis and McQueen.)
- McQueen, U. G., New Rochelle, assignor to Grant Pulley and Hardware Company, New York, N. Y. Window. No. 889,255; June 2; Sp. p. 117; Dr. p. 28; Gaz. vol. 134; p. 1078.
- McQuilkin, J. E., Westmoreland county, Pa. Resilient wheel. No. 899,425; Sept. 22; Sp. p. 4293; Dr. p. 921; Gaz. vol. 136; p. 796.
- McRae, W. T., and W. J. Canby, Philadelphia, Pa., assignors to Universal Box Machine Company, Camden, N. J. Box-making machine. No. 876,483; Jan. 14; Sp. p. 1609; Dr. pp. 346-51; Gaz. vol. 132; p. 295.
- McReynolds, L., Edgar, Neb., Refrigerator. No. 890,868; June 16; Sp. p. 3400; Dr. p. 745; Gaz. vol. 134; p. 1662.
- McSheehy, B. E., Jersey City, N. J., assignor, by mesne assignments, to S. T. Williams & Staff, Limited, Boston, Mass. Type-writing machine. No. 893,860; July 21; Sp. p. 3100; Dr. p. 634; Gaz. vol. 135; p. 546.
- McSheehy, B. E., Jersey City, N. J., assignor, by mesne assignments, to S. T. Williams & Staff, Limited, Boston, Mass. Unit form-holder. No. 893,861; July 21; Sp. p. 3102; Dr. p. 635; Gaz. vol. 135; p. 546.
- McSherry, C., Pittsburg, Pa. Metal-working tool. No. 905,909; Dec. 8; Sp. p. 1579; Gaz. vol. 137; p. 1272.
- McStay, L. A., Glen Elder, Kans. Garment clasp or holder. No. 901,813; Oct. 20; Sp. p. 3679; Dr. p. 747; Gaz. vol. 136; p. 1708.
- McTammany, F. A. (See McTammany and Ford, assignors.)
- McTammany, J., Providence, R. I., and E. A. Ford, Uxbridge, Mass., assignors to F. A. McTammany, New York, N. Y. Mechanical musical instrument. No. 878,150; Feb. 4; Sp. p. 502; Dr. pp. 107-8; Gaz. vol. 132; p. 932.
- McTear, B. F., Rainhill, England. Apparatus for drawing hard-metal tubes. No. 880,563; Mar. 3; Sp. p. 137; Dr. p. 31; Gaz. vol. 133; p. 27.
- McTigue, P. H., Chicago, Ill. Nut-retaining device. No. 884,196; Apr. 7; Sp. p. 1104; Dr. p. 231; Gaz. vol. 133; p. 1364.
- McTigue, S. P., Nemaha, Iowa. Safety-stirrup. No. 884,197; Apr. 7; Sp. p. 1105; Dr. p. 231; Gaz. vol. 133; p. 1364.
- McVail, D. C., and S. Mehan, Glasgow, Scotland. Caster. No. 880,234; Feb. 25; Sp. p. 4850; Dr. p. 1025; Gaz. vol. 132; p. 1722.
- McVay, L. F., New Virginia, Iowa. Automatic gate. No. 894,742; July 28; Sp. p. 4901; Dr. p. 1020; Gaz. vol. 135; p. 855.
- McVay, F. M., *et al.* (See Ramaley, W. H., assignor.)
- McVey, G. L., assignor to Press Button Knife Company, Walden, N. Y. Pocket-knife. No. 901,253; Oct. 13; Sp. p. 2425; Dr. p. 498; Gaz. vol. 136; p. 1483.
- McVicker, W. A. (See Jackson and McVicker.)
- McVicker, W. J., assignor to Alma Manufacturing Company, Alma, Mich. Internal-combustion engine. No. 887,502; May 12; Sp. p. 2400; Dr. pp. 505-6; Gaz. vol. 134; p. 412.
- McVoy, C. L., Pensacola, Fla. Rail-joint. No. 897,921; Sept. 8; Sp. p. 1404; Dr. p. 299; Gaz. vol. 136; p. 253.
- McVoy, C. L., Pensacola, Fla. Device for preventing spreading of rails. No. 899,426; Sept. 22; Sp. p. 4294; Dr. p. 922; Gaz. vol. 136; p. 796.
- McVoy, M., Jr. (See Shattuck, W. P., assignor.)
- McVoy, V. F., assignor of one-half to R. B. King, Pensacola, Fla. Bottle-valve. No. 877,584; Jan. 28; Sp. p. 3908; Dr. p. 845; Gaz. vol. 132; p. 721.
- McWade, C. E., Mattoon, Ill. Turn-table-operating mechanism. No. 896,931; Aug. 25; Sp. p. 4343; Dr. pp. 930-1; Gaz. vol. 135; p. 1668.
- McWane, C. W., assignor to Lynchburg Foundry Company, Lynchburg, Va. Flow-point. No. 877,359; Jan. 21; Sp. p. 3440; Dr. p. 746; Gaz. vol. 132; p. 627.
- McWane, C. W., assignor to Lynchburg Foundry Co., Lynchburg, Va. Flowshare. No. 879,487; Feb. 18; Sp. p. 3277; Dr. p. 685; Gaz. vol. 132; p. 1443.

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- McWane, C. W., assignor of one-half to H. E. McWane, Lynchburg, Va. Pipe-core and making the same. No. 906,912; Dec. 15; Sp. p. 3471; Gaz. vol. 137; p. 1619.
- McWane, H. E. (See McWane, C. W., assignor.)
- McWilliams, R., East Orange, N. J. Ear-protector. No. 904,715; Nov. 24; Sp. p. 4480; Gaz. vol. 137; p. 811.
- Meacham, G., and J. G. Sundblom, Longreach, Queensland, Australia. Power-transmission belt. No. 884,100; Apr. 7; Sp. p. 873; Dr. p. 183; Gaz. vol. 133; p. 1332.
- Meacham, L. E., *et al.* (See Reeve, S. A., assignor.) (Reissue.)
- Meacham, W. M., *et al.* (See Reeve, S. A., assignor.) (Reissue.)
- Mead, A. G., Somerville, Mass., assignor to United States Fastener Company. Fastener. No. 878,550; Feb. 11; Sp. p. 1396; Dr. p. 287; Gaz. vol. 132; p. 1099.
- Mead, C. E. (See Rudd, J. F., assignor.)
- Mead, E. J., Bournemouth, England. Gun-recoil brake. No. 900,943; Oct. 13; Sp. p. 1863; Dr. p. 379; Gaz. vol. 136; p. 1385.
- Mead Fountain Pen Co. (See Mead, J. J., assignor.)
- Mead, G. (See Blood, G., assignor.)
- Mead, G. A., Mansfield, Ohio. Rail-bond. No. 899,120; Sept. 22; Sp. p. 3702; Dr. pp. 793-4; Gaz. vol. 136; p. 698.
- Mead, G. A., Mansfield, Ohio. Suspension device for trolley-wires or other conductors carrying currents of high voltage. No. 901,981; Oct. 27; Sp. p. 4019; Dr. p. 816; Gaz. vol. 136; p. 1791.
- Mead, G. A., and C. R. Sturdevant, assignors to Ohio Brass Company, Mansfield, Ohio. Rail-bond. No. 890,367; June 9; Sp. p. 2375; Dr. p. 524; Gaz. vol. 134; p. 1465.
- Mead, J. J., New York, N. Y., assignor to Mead Fountain Pen Co. Fountain-pen. No. 900,944; Oct. 13; Sp. p. 1864; Dr. p. 380; Gaz. vol. 136; p. 1385.
- Mead, J. S., Milwaukee, Wis. Ankle or spat. No. 905,901; Dec. 8; Sp. p. 1564; Gaz. vol. 137; p. 1269.
- Meade, J. F., assignor to J. A. Gernhardt, Philadelphia, Pa. Continuous pasteurizing apparatus. No. 887,335; May 12; Sp. p. 2046; Dr. pp. 427-8; Gaz. vol. 134; p. 358.
- Meade, J. J., Charlestown, Mass., assignor of one-half to J. B. Mears, Keller, Va. Tobacco-receptacle. No. 906,644; Dec. 15; Sp. p. 2951; Gaz. vol. 137; p. 1533.
- Meadows, F. D. (See Meadows, W. C. and F. D.)
- Meadows, W. C. and F. D., Poors Knob, N. C. Corn-mill. No. 888,631; May 26; Sp. p. 4629; Dr. p. 982; Gaz. vol. 134; p. 845.
- Meagher, M. J., *et al.* (See Shinn and Denton, assignors.)
- Meagher, T. F., *et al.* (See Shinn and Denton, assignors.)
- Meaher, J. A., Cleveland, Ohio. Electric-arc lamp. No. 875,833; Jan. 7; Sp. p. 291; Dr. p. 63; Gaz. vol. 132; p. 54.
- Meahl, P. J., Bayonne, N. J. Master-sheet. No. 885,772; Apr. 28; Sp. p. 4328; Dr. pp. 907-8; Gaz. vol. 133; p. 1963.
- Meahl, P. J., Bayonne, N. J. Mechanical musical instrument. No. 889,029; May 26; Sp. p. 5445; Dr. p. 1157; Gaz. vol. 134; p. 972.
- Meahl, P. J., Bayonne, N. J. Selecting mechanism for perforating and similar machines. (Reissue.) No. 12,903; Dec. 29; Sp. p. 6659; Gaz. vol. 137; p. 2193.
- Meaker, J. W., Jr. (See Broadwell, E. C., assignor.)
- Meakin, F. W., North Carlton, Victoria, Australia. Appliance for use in storing fresh fruits and other produce. No. 887,827; May 19; Sp. p. 3040; Dr. p. 639; Gaz. vol. 134; p. 550.
- Mealing, W. R. (See Tourtel and Mealing.)
- Mealus, R. L., *et al.* (See Williams, D. L., assignor.)
- Meanley, F. J., Mossley, Ontario, Canada. Balance-valve for steam-engines. No. 904,631; Nov. 24; Sp. p. 4305; Gaz. vol. 137; p. 783.
- Means, J. H., Carnesville, Ga. Multiple hay-press. No. 900,566; Oct. 6; Sp. p. 1066; Dr. pp. 218-19; Gaz. vol. 136; p. 1236.
- Mears, B. B., Baltimore, Md. Fire-alarm. No. 899,749; Sept. 29; Sp. p. 4969; Dr. p. 1065; Gaz. vol. 136; p. 938.
- Mears, B. F. (See Best and Mears.)
- Mears, F., Minneapolis, assignor to Hygienic Refiner Company, Princeton, Minn. Purifying grain from smut or other fungi. No. 888,106; May 19; Sp. p. 3587; Dr. p. 751; Gaz. vol. 134; p. 640.
- Mears, F., Minneapolis, and J. Craig, assignors, by mesne assignments, to Hygienic Refiner Company, Princeton, Minn. Apparatus for bleaching and aging flour and other grain products. No. 882,526; Mar. 17; Sp. p. 4047; Dr. p. 862; Gaz. vol. 133; p. 729.
- Mears, F., Minneapolis, and J. Craig, assignors, by mesne assignments, to Hygienic Refiner Company, Princeton, Minn. Bleaching and aging flour and other grain products. No. 882,527; Mar. 17; Sp. p. 4049; Dr. p. 862; Gaz. vol. 133; p. 730.
- Mears, F., Minneapolis, and J. Craig, assignors, by mesne assignments, to Hygienic Refiner Company, Princeton, Minn. Gas-generator. No. 882,528; Mar. 17; Sp. p. 4051; Dr. p. 562; Gaz. vol. 133; p. 730.
- Mears, J. B. (See Meade, J. J., assignor.)
- Mease, B. G., Vinton, Iowa. Apparatus for tipping seed-corn. No. 886,229; Apr. 28; Sp. p. 5245; Dr. p. 1105; Gaz. vol. 133; p. 2114.
- Meats, A. E., *et al.*, executors. (See Meats, J. T.)
- Meats, J. T., deceased; A. E. Meats and J. E. Greensmith, executors, assignors to Mason Machine Works, Taunton, Mass. Thread-guide support for spinning or twisting frames. No. 904,493; Nov. 17; Sp. p. 4030; Gaz. vol. 137; p. 710.
- Mechan, S. (See McVail and Mechan.)
- Mechanical Advertising Sign Company. (See Lundgren, L. J., assignor.)
- Mechanical & Electrical Manufacturing Company. (See McBean, G. B., assignor.)
- Mechanical & Electrical Manufacturing Company. (See McBean and Birchwood, assignors.)
- Mechanical Utilities Company. (See Hubbard, M. G., assignor.)
- Mechin, G. V. R. (See Tabler, F. C., assignor.)
- Medairy, C. M., New York, N. Y. Apparatus for handling express matter, &c. No. 894,452; July 28; Sp. p. 4350; Dr. p. 896; Gaz. vol. 135; p. 762.
- Medart, E. J., executor. (See Medart, F.)
- Medart, F., deceased, St. Louis, Mo.; E. J. Medart, executor. Gymnasium apparatus. No. 907,075; Dec. 15; Sp. p. 3761; Gaz. vol. 137; p. 1669.
- Medart, F., deceased, St. Louis, Mo.; E. J. Medart, executor. Exercising-swing. No. 907,076; Dec. 15; Sp. p. 3763; Gaz. vol. 137; p. 1670.
- Medbery, J. F., Washington, D. C. Device for stropping the blades of safety-razors. No. 887,682; May 12; Sp. p. 2731; Dr. p. 577; Gaz. vol. 134; p. 471.
- Meddaugh, S. A., North White Lake, N. Y. Drenching-bottle. No. 893,183; July 14; Sp. p. 1617; Dr. p. 341; Gaz. vol. 135; p. 293.
- Medearis, W. R., assignor of two-thirds to J. M. Gray, Jr., and H. A. Eilers, Nashville, Tenn. Tool for setting or affixing pronged loops to leather or other material. No. 903,747; Nov. 10; Sp. p. 2416; Gaz. vol. 137; p. 425.
- Medler, E. L., Albuquerque, N. Mex. Ter. Keyhole-guard and key-lock. No. 897,473; Sept. 1; Sp. p. 475; Dr. p. 101; Gaz. vol. 136; p. 76.
- Medley, H. L., Cosmopolis, Wash. Cork-extractor. No. 889,474; June 2; Sp. p. 580; Dr. p. 135; Gaz. vol. 134; p. 1149.
- Medusa Concrete Waterproofing Company. (See Barrett, H. N., assignor.)
- Meece, J. R., Rosman, N. C. Log-turner. No. 880,557; Mar. 3; Sp. p. 125; Dr. p. 28; Gaz. vol. 133; p. 25.
- Meehan, D. C., Columbus, Ohio. Fire-resisting structure. No. 877,354; Jan. 21; Sp. p. 3425; Dr. p. 743; Gaz. vol. 132; p. 625.
- Meehan, F. E., Philadelphia, Pa. Impression-latch for printing-presses. No. 904,075; Nov. 17; Sp. p. 3123; Gaz. vol. 137; p. 567.
- Meehan, J. J., Denver, Colo. Shaping device for collars. No. 892,604; July 7; Sp. p. 399; Dr. p. 88; Gaz. vol. 135; p. 74.
- Meehan, J. J., assignor of one-half to G. G. Loehler, Washington, D. C. Lid-lifter. No. 904,346; Nov. 17; Sp. p. 3723; Gaz. vol. 137; p. 662.
- Meek Company. (See Townsend, F. S., assignor.)
- Meek, G. B., assignor to Crandall & Godley Co., New York, N. Y. Portable reel gas-oven. No. 906,251; Dec. 8; Sp. p. 2233; Gaz. vol. 137; p. 1383.
- Meek, J. E., New York, N. Y., assignor to H. W. Johns-Manville Company. Flexible fireproof fabric. No. 906,252; Dec. 8; Sp. p. 2236; Gaz. vol. 137; p. 1383.
- Meeker, G. B., Sapulpa, Okla. Sewing-machine attachment. No. 884,833; Apr. 14; Sp. p. 2386; Dr. p. 502; Gaz. vol. 133; p. 1602.
- Meeker, W. P., Newark, N. J. Building-block. No. 896,134; Aug. 18; Sp. p. 2692; Dr. p. 581; Gaz. vol. 135; p. 1384.
- Meeker, W. P., Maplewood, N. J. Tile-press. No. 907,386; Dec. 22; Sp. p. 4405; Gaz. vol. 137; p. 1810.
- Meeks, A. L. (See Nelson, Meeks, Shappell, and Smalley.)
- Meeks, H. P., Hale, Mo. Display-rack. No. 907,262; Dec. 22; Sp. p. 4184; Gaz. vol. 137; p. 1769.
- Meem, J. C., assignor of two-thirds to F. L. and W. V. Cranford, Brooklyn, N. Y. Method of construction. No. 884,990; Apr. 14; Sp. p. 2696; Dr. p. 572; Gaz. vol. 133; p. 1649.
- Meem, J. C., assignor of two-thirds to F. L. and W. V. Cranford, Brooklyn, N. Y. Method of construction. No. 896,064; Aug. 11; Sp. p. 2571; Dr. p. 556; Gaz. vol. 135; p. 1341.
- Meer, H. C. ter, Summit, N. J. Spark-plug for internal-combustion engines. No. 897,122; Aug. 25; Sp. p. 4740; Dr. p. 1010; Gaz. vol. 135; p. 1732.
- Mees, H. B. (See Trude, C., assignor.)
- Megill, E. L., New York, N. Y. Feed-gage. No. 885,773; Apr. 28; Sp. p. 4330; Dr. p. 908; Gaz. vol. 133; p. 1964.
- Meglemer, C. E., and W. C. Harned, Bridgeport, Nebr. Wagon-box fastener. No. 889,320; June 2; Sp. p. 249; Dr. p. 61; Gaz. vol. 134; p. 4098.
- Megruce, C. G., New York, N. Y. Fastening device. No. 880,319; Feb. 25; Sp. p. 5006; Dr. p. 1056; Gaz. vol. 132; p. 1749.

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- Megson, C. H., and G. H. Sculthorp, Manchester, assignors to M. Bartholomew, London, England. Means for mounting carbon sheets. No. 883,219; Mar. 31; Sp. p. 5434; Dr. p. 1157; Gaz. vol. 133; p. 1019.
- Mehaffey, C. A., West Lebanon, Ind. Marker attachment for corn-planters. No. 896,742; Aug. 25; Sp. p. 3915; Dr. p. 844; Gaz. vol. 135; p. 1603.
- Mehl, C. F., Cleveland, Ohio. Means for automatically restoring a trolley-wheel to the wire. No. 896,225; Aug. 18; Sp. p. 2866; Dr. p. 618; Gaz. vol. 135; p. 1415.
- Mehl, H. (See Sohni and Mehl.)
- Mehl, W. B., Waltham, Mass., assignor to E. Howard Watch Company, Riverside, N. J. Watch-barrel. No. 886,387; May 5; Sp. p. 90; Dr. pp. 18-19; Gaz. vol. 134; p. 20.
- Mehl, W. B., Waltham, Mass., assignor to E. Howard Watch Company, Riverside, N. J. Staff-lathe. No. 889,386; June 2; Sp. p. 392; Dr. pp. 92-3; Gaz. vol. 134; p. 1120.
- Mehl, W. B., assignor to E. Howard Watch Company, Waltham, Mass. Watch-movement. No. 900,183; Oct. 6; Sp. p. 235; Dr. p. 47; Gaz. vol. 136; p. 1111.
- Mehlhorn, A., Dietrichsdorf, and P. von Klitzing Neumühlen, near Kiel, Germany. Floating dock. No. 903,215; Nov. 10; Sp. p. 1369; Gaz. vol. 137; p. 254.
- Mehlhorn, A., Dietrichsdorf, near Kiel, and P. von Klitzing, Charlottenburg, Germany. Floating dock. No. 903,598; Nov. 10; Sp. p. 2138; Gaz. vol. 137; p. 379.
- Mehn, W., Corydon, Ky. Antirattler for swingletrees. No. 888,183; May 19; Sp. p. 3717; Dr. p. 777; Gaz. vol. 134; p. 664.
- Mehrens, M., Blair, Neb. Mail delivering and receiving apparatus. No. 905,902; Dec. 8; Sp. p. 1565; Gaz. vol. 137; p. 1269.
- Mehring, W. M., York Road, Md. Cow-milker. No. 885,355; Apr. 21; Sp. p. 3485; Dr. p. 727; Gaz. vol. 133; p. 1-03.
- Mehrtens, O., Kiel, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Transport vessel. No. 886,621; May 5; Sp. p. 552; Dr. p. 116; Gaz. vol. 134; p. 97.
- Meier, A. J., St. Louis, Mo. Corroding-pot. No. 906,253; Dec. 8; Sp. p. 2236; Gaz. vol. 137; p. 1384.
- Meier, C. F. E., New Melle, Mo. Box-fastener. No. 896,653; Aug. 18; Sp. p. 3707; Dr. p. 798; Gaz. vol. 135; p. 1551.
- Meier, E. D., New York, N. Y. Superheater. No. 895,187; Aug. 4; Sp. p. 818; Dr. pp. 171-3; Gaz. vol. 135; p. 1031.
- Meier, F. H. H., New York, N. Y. Table. No. 877,104; Jan. 21; Sp. p. 2917; Dr. p. 631; Gaz. vol. 132; p. 542.
- Meier, F. W., Upper Sandusky, Ohio. Water-trap. No. 901,922; Oct. 20; Sp. p. 3861; Dr. pp. 787-8; Gaz. vol. 136; p. 1740.
- Meier, G. J., Buffalo, N. Y. Mail-bag catcher and deliverer. No. 886,832; May 5; Sp. p. 1011; Dr. p. 212; Gaz. vol. 134; p. 165.
- Meigs, J. F., and E. A. Gathmann, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Mechanical time-fuse. No. 896,135; Aug. 18; Sp. p. 2693; Dr. p. 581; Gaz. vol. 135; p. 1384.
- Meigs, J. F., and E. Gathmann, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Explosive projectile. (Reissue.) No. 12,849; Sept. 8; Sp. p. 2374; Dr. p. 507; Gaz. vol. 136; p. 412.
- Meigs, J. F., and H. G. Jakobsson, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Gun-sight. No. 895,482; Aug. 11; Sp. p. 1425; Dr. pp. 298-9; Gaz. vol. 135; p. 1153.
- Meigs, J. F., and H. G. Jakobsson, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Breech appliance for guns. No. 900,754; Oct. 13; Sp. p. 1450; Dr. p. 295; Gaz. vol. 136; p. 1323.
- Meigs, J. F., and R. P. Stout, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Chain rammer for guns. No. 889,321; June 2; Sp. p. 250; Dr. p. 61; Gaz. vol. 134; p. 1099.
- Meigs, J. F., and R. P. Stout, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Loading mechanism for guns. No. 895,481; Aug. 11; Sp. p. 1423; Dr. p. 298; Gaz. vol. 135; p. 1152.
- Meigs, J. F., and R. P. Stout, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Automatic means for controlling movements of gun-rammers. No. 900,755; Oct. 13; Sp. p. 1451; Dr. pp. 295-6; Gaz. vol. 136; p. 1324.
- Meikle, J., Glasgow, Scotland. Making vegetable extracts. No. 877,660; Jan. 28; Sp. p. 4051; Dr. p. 876; Gaz. vol. 132; p. 746.
- Meikle, J., Wilkinsburg, Pa. Bolt-operating and automatic locking mechanism. No. 889,630; June 2; Sp. p. 863; Dr. p. 197; Gaz. vol. 134; p. 1198.
- Meiklejohn, G. D. (See Harman and Taylor, assignors.)
- Meilink Manufacturing Company. (See Reynolds, W. H., assignor.)
- Meine, F., La Grange, Ill. Hernial truss. No. 880,681; Mar. 3; Sp. p. 378; Dr. p. 83; Gaz. vol. 133; p. 67.
- Meine, F., Berlin, Germany. Apparatus for ascertaining strike and dip of veins or seams in bore-holes. No. 908,299; Dec. 29; Sp. p. 6339; Gaz. vol. 137; p. 2142.
- Meinen, D., Walhalla, Tex. Implement for crushing clods of earth, &c. No. 879,291; Feb. 18; Sp. p. 2876; Dr. p. 600; Gaz. vol. 132; p. 1380.
- Meiners, J. R., New York, N. Y. Nut-lock. No. 908,022; Dec. 29; Sp. p. 5770; Gaz. vol. 137; p. 2049.
- Meinhardt, A. B., Paxico, Kans. Trace-carrier. No. 881,814; Mar. 10; Sp. p. 2619; Dr. p. 562; Gaz. vol. 133; p. 467.
- Meinhardt, C., Washington, D. C. Buckle. No. 899,121; Sept. 22; Sp. p. 3704; Dr. p. 794; Gaz. vol. 136; p. 699.
- Meinhardt, C., Washington, D. C. Buckle. No. 904,707; Nov. 24; Sp. p. 4462; Gaz. vol. 137; p. 809.
- Meis, A., assignor to Columbian Cutlery Company, Reading, Pa. Manufacture of scythes. No. 897,298; Sept. 1; Sp. p. 55; Dr. p. 14; Gaz. vol. 136; p. 13.
- Meis, H. K., Lawton, Okla. Curtain-fixture. No. 878,410; Feb. 4; Sp. p. 1042; Dr. p. 210; Gaz. vol. 132; p. 1019.
- Meisel, F., Dover, N. H. Winding-machine. No. 875,941; Jan. 7; Sp. p. 484; Dr. p. 104; Gaz. vol. 132; p. 87.
- Meisel, F., Dover, N. H. Printing-press. No. 897,219; Aug. 25; Sp. p. 4929; Dr. p. 1047; Gaz. vol. 135; p. 1761.
- Meiser, G. H., assignor to Excelsior Supply Co., Chicago, Ill. Bicycle-crank-hanger. No. 903,392; Nov. 10; Sp. p. 1702; Gaz. vol. 137; p. 311.
- Meisselbach, A. F., assignor to A. F. Meisselbach & Brother, Newark, N. J. Inhaler. No. 878,223; Feb. 4; Sp. p. 677; Dr. p. 139; Gaz. vol. 132; p. 956.
- Meisselbach, A. F., and P. Catucci, assignors to A. F. Meisselbach & Brother, Newark, N. J. Pocket-tool. No. 878,224; Feb. 4; Sp. p. 678; Dr. p. 140; Gaz. vol. 132; p. 956.
- Meissl, L., assignor of one-half to J. G. Markovitz, Cleveland, Ohio. Truss. No. 907,263; Dec. 22; Sp. p. 4185; Gaz. vol. 137; p. 1770.
- Meissner, J. H., Pittsburg, Pa. Superheater. No. 899,060; Sept. 22; Sp. p. 3586; Dr. p. 768; Gaz. vol. 136; p. 677.
- Meissner, J. H., Pittsburg, Pa. Blast-furnace. No. 900,291; Oct. 6; Sp. p. 473; Dr. pp. 97-8; Gaz. vol. 136; p. 1146.
- Meissner, O. W., Westmount, Quebec, Canada. Shaft-rotating means. No. 903,301; Nov. 10; Sp. p. 1527; Gaz. vol. 137; p. 282.
- Meister, J. C., and J. A. Cochran, Sterling, Ill. Damper-clip. No. 906,254; Dec. 8; Sp. p. 2233; Gaz. vol. 137; p. 1384.
- Meixell, J. W., Lewisburg, Pa. Wheel. No. 898,057; Sept. 8; Sp. p. 1696; Dr. p. 360; Gaz. vol. 136; p. 297.
- Meixner, R., *et al.* (See Klausner, O., assignor.)
- Mekeel, D. L., Sewickley, Pa. Ingot-manipulator. No. 899,832; Sept. 29; Sp. p. 5145; Dr. p. 1101; Gaz. vol. 136; p. 966.
- Mekeel, D. L., Ben Avon, assignor of one-tenth to L. K. Yoder, Pittsburg, Pa. Pit-furnace-cover-operating mechanism. No. 892,865; July 7; Sp. p. 946; Dr. p. 199; Gaz. vol. 135; p. 158.
- Méker, A. G., Asnières, assignor to La Société pour l'Utilisation de l'Air et de ses Dérivés, Paris, France. Incandescent gas-burner. No. 884,834; Apr. 14; Sp. p. 2388; Dr. p. 503; Gaz. vol. 133; p. 1602.
- Melander, P. H., Tacoma, Wash. Shears. No. 906,255; Dec. 8; Sp. p. 2240; Gaz. vol. 137; p. 1384.
- Melavin, J. H., Cambridge, Mass. Hose-nozzle. No. 898,759; Sept. 15; Sp. p. 3038; Dr. p. 652; Gaz. vol. 136; p. 552.
- Melber, F., Ross township, Allegheny county, Pa. Concrete construction. No. 902,311; Oct. 27; Sp. p. 4694; Dr. p. 951; Gaz. vol. 136; p. 1897.
- Meldau, C., New York, N. Y. Controlling stop-cock for beer apparatus. No. 876,724; Jan. 14; Sp. p. 2126; Dr. p. 467; Gaz. vol. 132; p. 377.
- Meldau, C., New York, N. Y. Cooling-coil for beer apparatus. No. 876,823; Jan. 14; Sp. p. 2302; Dr. p. 506; Gaz. vol. 132; p. 407.
- Melhuish, A. G., Edmonton, England. Internal-combustion engine. No. 882,401; Mar. 17; Sp. p. 3803; Dr. pp. 812-13; Gaz. vol. 133; p. 686.
- Melick, J. C., Canajoharie, N. Y. Webbing-attacher. No. 898,983; Sept. 15; Sp. p. 3441; Dr. p. 738; Gaz. vol. 136; p. 626.
- Mell, T. J., assignor to Republic Rubber Company, Youngstown, Ohio. Tire for vehicle-wheels. No. 898,907; Sept. 15; Sp. p. 3308; Dr. p. 709; Gaz. vol. 136; p. 601.
- Mell, T. J., assignor to Republic Rubber Company, Youngstown, Ohio. Mold and mold equipment. No. 906,256; Dec. 8; Sp. p. 2240; Gaz. vol. 137; p. 1384.
- Melland, W., Altrincham, and W. H. Nield, Heaton Mersey, England. Rope-splicing device. No. 876,572; Jan. 14; Sp. p. 1811; Dr. pp. 395-6; Gaz. vol. 132; p. 326.
- Mellberg, V. (See Rommer, I. A., assignor.)
- Mellen, F. J., and B. A. Edwards, Beloit, Wis. Recoil-compensator. No. 896,136; Aug. 18; Sp. p. 2697; Dr. p. 582; Gaz. vol. 135; p. 1384.
- Mellen, G. E., Chicago, Ill. Clasp for garment-supporters. No. 888,107; May 19; Sp. p. 3588; Dr. p. 751; Gaz. vol. 134; p. 641.
- Mellichamp, P. C., Edgefield, S. C. Sash-fastener. No. 903,393; Nov. 10; Sp. p. 1703; Gaz. vol. 137; p. 311.
- Mellier Company. (See Brown, A. L., assignor.)
- Mellin, C. J., Schenectady, assignor to American Locomotive Company, New York, N. Y. Flexible ball-joint. No. 908,414; Dec. 29; Sp. p. 6596; Gaz. vol. 137; p. 2184.
- Mellre, V. E. (See Hamilton and Mellre.)

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- Melms & Pfenninger, G. M. B. H. (See Pfenninger, C., assignor.)
- Melnick, J., Boston, Mass. Button-hook. No. 901,248; Oct. 13; Sp. p. 2415; Dr. p. 495; Gaz. vol. 136; p. 1482.
- Melton, F. J., Chicago, Ill. Heating system. No. 880,806; Mar. 3; Sp. p. 641; Dr. p. 134; Gaz. vol. 133; p. 111.
- Melton, J. I., Cincinnati, Ohio. Combination-tool. No. 898,667; Sept. 15; Sp. p. 2874; Dr. p. 615; Gaz. vol. 136; p. 524.
- Meltzer, H., and L. Karron, New York, N. Y. Hand-bag fastener. No. 896,311; Aug. 18; Sp. p. 3044; Dr. p. 654; Gaz. vol. 135; p. 1442.
- Melville, F. B., assignor of one-half to L. Dralle, Milwaukee, Wis. Educational appliance. No. 885,272; Apr. 21; Sp. p. 3309; Dr. p. 691; Gaz. vol. 133; p. 1775.
- Melvin, A. L. (See Daffrin, A. J. E., assignor.)
- Melvin, C. H., assignor to Deere & Company, Moline, Ill. Lister-cultivator. No. 879,187; Feb. 18; Sp. p. 2663; Dr. pp. 555-7; Gaz. vol. 132; p. 1345.
- Melvin, M. G., Scranton, Pa. Cuspidor. No. 894,678; July 28; Sp. p. 4794; Dr. p. 995; Gaz. vol. 135; p. 836.
- Melvin, M. G., Scranton, Pa. Filtering device. No. 894,679; July 28; Sp. p. 4795; Dr. p. 995; Gaz. vol. 135; p. 836.
- Melvin, M. G., Scranton, Pa. Combined gage and signal device. No. 908,300; Dec. 29; Sp. p. 6343; Gaz. vol. 137; p. 2143.
- Melvin, M. G., assignor of one-half to E. A. Jones, Scranton, Pa. Combined gage and signal device. No. 886,833; May 5; Sp. p. 1012; Dr. p. 212; Gaz. vol. 134; p. 166.
- Melvin, R. N., assignor of one-half to W. D. Hamaker, Meadville, Pa. Reamer and boring-head. No. 882,529; Mar. 17; Sp. p. 4052; Dr. p. 862; Gaz. vol. 133; p. 730.
- Melvin, R. N., assignor of one-half to W. D. Hamaker, Meadville, Pa. Boring-tool. No. 882,530; Mar. 17; Sp. p. 4054; Dr. p. 863; Gaz. vol. 133; p. 730.
- Melzer, A. (See Lau and Melzer.)
- Memmel, A. J. and E. E., Milwaukee, Wis. Water-motor. No. 906,049; Dec. 8; Sp. p. 1837; Gaz. vol. 137; p. 1316.
- Memmel, E. E. (See Memmel, A. J. and E. E.)
- Mende, R., Munich, Germany. Sash-window for railway-cars. No. 900,407; Oct. 6; Sp. p. 705; Dr. p. 146; Gaz. vol. 136; p. 1184.
- Mendel, I. (See Mendel and Smith, assignors.)
- Mendel, I., and J. J. Smith, assignors to I. Mendel, Cincinnati, Ohio. Display attachment for sample-trunks. No. 906,050; Dec. 8; Sp. p. 1838; Gaz. vol. 137; p. 1316.
- Mendenhall, C. A., assignor of one-half to E. J. Mendenhall, Farmland, Ind. Fence-post. No. 888,719; May 26; Sp. p. 4804; Dr. p. 1023; Gaz. vol. 134; p. 872.
- Mendenhall, C. E., Dayton, Ohio. Mail-box. No. 900,756; Oct. 13; Sp. p. 1454; Dr. p. 296; Gaz. vol. 136; p. 1324.
- Mendenhall, E. J. (See Mendenhall, C. A., assignor.)
- Mendenhall, H., and B. R. Wonsnos, Audubon, Iowa. Wrench. No. 906,257; Dec. 8; Sp. p. 2243; Gaz. vol. 137; p. 1384.
- Mendenhall, S. A., Hamburg, Iowa. Douche-chair. No. 907,839; Dec. 29; Sp. p. 5371; Gaz. vol. 137; p. 1990.
- Menely, C. D., Hempstead, N. Y. Transfer-ticket. No. 896,845; Aug. 25; Sp. p. 4148; Dr. p. 889; Gaz. vol. 135; p. 1640.
- Menendez, G. A., assignor to Goss Printing Press Company, Chicago, Ill. Melting-furnace. No. 907,840; Dec. 29; Sp. p. 5373; Gaz. vol. 137; p. 1990.
- Menere, E. S., Germfask, Mich. Cant-hook. No. 883,820; Apr. 7; Sp. p. 290; Dr. p. 54; Gaz. vol. 133; p. 1239.
- Menge, H. W., Eighth Ward, Plaquemines parish, La. Shell-reducing device. No. 903,877; Nov. 17; Sp. p. 2721; Gaz. vol. 137; p. 502.
- Menkin, E. F., Chicago, Ill., assignor, by mesne assignments, to Enterprise Specialty Company. Pickle-fork. No. 880,807; Mar. 3; Sp. p. 642; Dr. p. 135; Gaz. vol. 133; p. 111.
- Menns, A. W., Malden, Mass. Carbureter. No. 891,219; June 16; Sp. p. 4102; Dr. p. 900; Gaz. vol. 134; p. 1775.
- Mensch, J. A., assignor of one-half to C. F. Overly, Pittsburg, Pa. Strainer for pumps, &c. No. 897,123; Aug. 25; Sp. p. 4743; Dr. p. 1010; Gaz. vol. 135; p. 1732.
- Mensing, L. C. H., Rugby, England. Electric-arc lamp. No. 881,015; Mar. 3; Sp. p. 1054; Dr. p. 229; Gaz. vol. 133; p. 179.
- Mentz, J., Islip, N. Y. Attachment for barbers' chairs and the like. No. 905,447; Dec. 1; Sp. p. 678; Gaz. vol. 137; p. 1093.
- Mentzel, H. F., Tarentum, and J. H. Moser, Parnassus, Pa. Sanding device. No. 897,985; Sept. 8; Sp. p. 1546; Dr. p. 328; Gaz. vol. 136; p. 274.
- Mentzer, C. E., assignor of two-thirds to L. A. Freeman and G. L. Bettcher, Denver, Colo. Indicating fuse plug and holder. No. 897,474; Sept. 1; Sp. p. 477; Dr. p. 102; Gaz. vol. 136; p. 76.
- Menz, A., Newport News, Va. Animal-trap. No. 897,761; Sept. 1; Sp. p. 1044; Dr. pp. 224-5; Gaz. vol. 136; p. 169.
- Mercer, A., assignor of one-half to T. B. Gordon, Norfolk, Va. Rotary engine. No. 877,854; Jan. 28; Sp. p. 4400; Dr. pp. 957-8; Gaz. vol. 132; p. 807.
- Mercer, A., assignor of one-half to H. E. Page and W. R. Butcher, Norfolk, Va. Lock. No. 898,767; Sept. 15; Sp. p. 3059; Dr. p. 656; Gaz. vol. 136; p. 555.
- Mercer, A. I., Mannington, W. Va. Music-leaf turner. No. 880,032; Feb. 25; Sp. p. 4428; Dr. pp. 929-30; Gaz. vol. 132; p. 1654.
- Mercer, A. I., Mannington, W. Va. Safety valve-stem. No. 893,184; July 14; Sp. p. 1619; Dr. p. 341; Gaz. vol. 135; p. 293.
- Mercer, J. B., Wilmington, N. C. Game apparatus. No. 895,875; Aug. 11; Sp. p. 2204; Dr. p. 469; Gaz. vol. 135; p. 1280.
- Mercer, J. C., Barre, Vt. Channeling-tool. No. 895,387; Aug. 4; Sp. p. 1216; Dr. p. 256; Gaz. vol. 135; p. 1097.
- Merchant, F. D., *et al.* (See Pearson, J., assignor.)
- Merchant, W. B. (See Eubank, J. H., assignor.)
- Merchen, C. E., Bloomfield, Neb. Fence-machine. No. 899,419; Sept. 22; Sp. p. 4278; Dr. p. 918; Gaz. vol. 136; p. 794.
- Merck, Firm of E. (See Conrad, M., assignor.)
- Merck, Firm of E. (See Wolfes, O., assignor.)
- Merckens, W., Mülhausen, Germany, and J. H. Smith, Zurich, Switzerland. Production of colored photographs. No. 885,066; Apr. 21; Sp. p. 2356; Gaz. vol. 133; p. 1707.
- Merdian, W. J. (See Ellis, B. H., assignor.)
- Meredith, C. A., St. Louis, Mo. Vehicle-spring. No. 878,081; Feb. 4; Sp. p. 334; Dr. p. 80; Gaz. vol. 132; p. 910.
- Meredith, M. R., Wabash, Ind. Cigar-vending machine. No. 884,186; Apr. 7; Sp. p. 1085; Dr. p. 226; Gaz. vol. 133; p. 1360.
- Meredith, W., Manchester, Tenn. Vehicle-seat. No. 906,442; Dec. 8; Sp. p. 2581; Gaz. vol. 137; p. 1444.
- Meredith, W., San Francisco, assignor to Pacific Electric Heating Company, Ontario, Cal. Electric curling-iron heater. No. 900,292; Oct. 6; Sp. p. 475; Dr. p. 98; Gaz. vol. 136; p. 1147.
- Meredith, Z. A., Marion, Ohio. Mouthpiece. No. 895,570; Aug. 11; Sp. p. 1591; Dr. p. 336; Gaz. vol. 135; p. 1181.
- Mereen, A., and A. E. Gagnon, Minneapolis, Minn. Cant-centering device for twin-saw mills. No. 902,502; Oct. 27; Sp. p. 5122; Dr. pp. 1036-7; Gaz. vol. 136; p. 1962.
- Mereen, A., and A. E. Gagnon, assignors of one-half to C. A. Smith Lumber Co., Minneapolis, Minn. Twin band-saw mill. No. 900,677; Oct. 6; Sp. p. 1305; Dr. pp. 267-8; Gaz. vol. 136; p. 1273.
- Meres, C. R., assignor to J. Matland and J. F. Williams, Lorain, Ohio. Boiler. No. 899,314; Sept. 22; Sp. p. 4104; Dr. p. 877; Gaz. vol. 136; p. 761.
- Meres, L. H., Lorain, Ohio. Hot-water tube. No. 902,593; Nov. 3; Sp. p. 130; Gaz. vol. 137; p. 21.
- Mereta, G., assignor to "La Piombifera," Società Anonima Italiana per l'Industria del Piombo e Generi Affini, Genoa, Italy. Apparatus for manufacturing lead traps by hydraulic pressure. No. 907,077; Dec. 15; Sp. p. 3763; Gaz. vol. 137; p. 1670.
- Mergenthaler Linotype Company. (See Converse, F. B., Jr., assignor.)
- Mergenthaler Linotype Company. (See Dodge, P. T., assignor.)
- Mergenthaler Linotype Company. (See Dow, A., assignor.)
- Mergenthaler Linotype Company. (See Froelich, J., assignor.)
- Mergenthaler Linotype Company. (See Homans, T. S., assignor.)
- Mergenthaler Linotype Company. (See Kennedy, D. S., assignor.)
- Mergenthaler Linotype Company. (See Petri-Palmedo, D., assignor.)
- Mergenthaler Linotype Company. (See Rogers, J. R., assignor.)
- Mergott, J. E. (See Hiering and Fuller, assignors.)
- Meriam, J. B., Cleveland, Ohio. Air-pump. No. 890,746; Mar. 3; Sp. p. 525; Dr. p. 109; Gaz. vol. 133; p. 91.
- Mérigoux, E. B. (See Yberty and Mérigoux.)
- Mering, J. H., *et al.* (See Gray, H. M., assignor.)
- Mering, W. H., *et al.* (See Gray, H. M., assignor.)
- Meriwether, C., Montclair, N. J., assignor to Lock-Joint Pipe Company, New York, N. Y. Concrete pipe. No. 894,517; July 28; Sp. p. 4463; Dr. p. 925; Gaz. vol. 135; p. 782.
- Merk, L. A., Wilkinsburg, assignor of one-half to E. Ruud, Pittsburg, Pa. Valve mechanism for explosive-engines. No. 903,748; Nov. 10; Sp. p. 2419; Gaz. vol. 137; p. 425.
- Merkels, J. B., Chicago, Ill. Closure for envelopes or bags. No. 877,789; Jan. 28; Sp. p. 4280; Dr. p. 929; Gaz. vol. 132; p. 786.
- Merkling, C., *et al.* (See Walder, E., assignor.)
- Merrall, W. G., Onandaga, Ontario, Canada. Baling-press. No. 879,292; Feb. 18; Sp. p. 2877; Dr. p. 600; Gaz. vol. 132; p. 1380.
- Merralls, W. A., San Francisco, Cal. Vise. No. 898,413; Sept. 8; Sp. p. 2362; Dr. pp. 504-5; Gaz. vol. 136; p. 409.
- Merralls, W. A., San Francisco, Cal. Stamp-mill. No. 898,414; Sept. 8; Sp. p. 2364; Dr. p. 505; Gaz. vol. 136; p. 410.
- Merralls, W. A., San Francisco, Cal. Metallurgical apparatus. No. 898,415; Sept. 8; Sp. p. 2365; Dr. p. 505; Gaz. vol. 136; p. 410.

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- Merrell, D. B., Cobleskill, N. Y. Fertilizer-distributor. No. 891,628; June 23; Sp. p. 4963; Dr. p. 1070; Gaz. vol. 134; p. 1942.
- Merrell, E. M. and A., Soda Springs, Idaho. Soldering compound. No. 899,673; Sept. 29; Sp. p. 4815; Gaz. vol. 136; p. 913.
- Merrell, G. W. (See Shofner, E. J., assignor.)
- Merrell, I. S. (See Merrell and Gere.)
- Merrell, L. C. and I. S., and W. B. Gere, assignors to Merrell-Soule Company, Syracuse, N. Y. Separating the moisture from the constituent solids of liquids. No. 878,977; Feb. 11; Sp. p. 2240; Dr. p. 469; Gaz. vol. 132; p. 1236.
- Merrell-Soule Company. (See Merrell and Gere, assignors.)
- Merrell, W. E., Stockton, Cal. Cutlery-washing machine. No. 878,010; Feb. 4; Sp. p. 224; Dr. p. 49; Gaz. vol. 132; p. 887.
- Merritt, J. A., London, England, assignor to J. R. Hatmaker, Paris, France. Cylinder drying-machine. No. 883,729; Apr. 7; Sp. p. 100; Dr. pp. 16-17; Gaz. vol. 133; p. 1209.
- Merriam, E. B., Schenectady, N. Y., assignor to General Electric Company. Chronograph. No. 881,479; Mar. 10; Sp. p. 1975; Dr. p. 490; Gaz. vol. 133; p. 358.
- Merriam, E. B., Schenectady, N. Y., assignor to General Electric Company. Lightning-arrester. No. 890,679; June 16; Sp. p. 3009; Dr. p. 660; Gaz. vol. 134; p. 1600.
- Merriam, H. P., New York, N. Y. Oxygen-cutting apparatus. No. 890,289; June 9; Sp. p. 2223; Dr. p. 489; Gaz. vol. 134; p. 1440.
- Merrick, F. W., Boston, Mass. Automatic presser-foot-lifting mechanism for sewing-machines. No. 879,565; Feb. 18; Sp. p. 3436; Dr. p. 720; Gaz. vol. 132; p. 1468.
- Merrick, F. W., Boston, Mass. Lock-stitch sewing-machine. No. 906,730; Dec. 15; Sp. p. 3121; Gaz. vol. 137; p. 1561.
- Merrick, W. R., Evansville, Ind. Cooking-stove. No. 885,273; Apr. 21; Sp. p. 3310; Dr. p. 691; Gaz. vol. 133; p. 1776.
- Merrifield, E., and W. A. Peek, Marysville, Mont.; said Merrifield assignor to said Peek. Envelop seal or fastener. No. 885,501; Apr. 21; Sp. p. 3751; Dr. p. 789; Gaz. vol. 133; p. 1848.
- Merrill, A. P., Hartford, Conn. Key-carrying device. No. 905,731; Dec. 1; Sp. p. 1225; Gaz. vol. 137; p. 1182.
- Merrill, A. P. (See Shemaker and Merrill.)
- Merrill, C. F., Hinsdale, Ill. Calendar. No. 906,645; Dec. 15; Sp. p. 2952; Gaz. vol. 137; p. 1533.
- Merrill, C. W., Lead, S. D. Pressure-filter. No. 900,184; Oct. 6; Sp. p. 237; Dr. p. 48; Gaz. vol. 136; p. 1111.
- Merrill, C. W., Lead, S. D. Filter-press. No. 900,185; Oct. 6; Sp. p. 239; Dr. pp. 48-9; Gaz. vol. 136; p. 1111.
- Merrill, C. W., Lead, S. D. Precipitating and recovering materials from solutions. No. 900,186; Oct. 6; Sp. p. 240; Dr. p. 49; Gaz. vol. 136; p. 1112.
- Merrill, C. W., Lead, S. D. Pressure-filter. No. 905,341; Dec. 1; Sp. p. 410; Gaz. vol. 137; p. 1054.
- Merrill, C. W., Lead, S. D. Classifier. No. 907,387; Dec. 22; Sp. p. 4407; Gaz. vol. 137; p. 1811.
- Merrill, E. E. (See Phillips, L. R., assignor.)
- Merrill, E. R., assignor to J. A. Jeffrey, Columbus, Ohio. Mining-machine. No. 878,976; Feb. 11; Sp. p. 2237; Dr. p. 468; Gaz. vol. 132; p. 1236.
- Merrill, F. M., Los Angeles, Cal. Padlock. No. 883,414; Mar. 31; Sp. p. 5858; Dr. p. 1248; Gaz. vol. 133; p. 1082.
- Merrill, F. M., Los Angeles, Cal. Door-lock. No. 883,415; Mar. 31; Sp. p. 5860; Dr. p. 1249; Gaz. vol. 133; p. 1083.
- Merrill, F. M., Los Angeles, Cal. Electric-alarm for locks. No. 883,416; Mar. 31; Sp. p. 5863; Dr. p. 1249; Gaz. vol. 133; p. 1082.
- Merrill, F. M., Los Angeles, Cal. Padlock. No. 883,417; Mar. 31; Sp. p. 5865; Dr. p. 1249; Gaz. vol. 133; p. 1083.
- Merrill, J. C., San Martin, Cal. Box-fastener. No. 897,986; Sept. 8; Sp. p. 1547; Dr. p. 329; Gaz. vol. 136; p. 274.
- Merrill, J. J., Newburyport, assignor of one-half to B. Pearson, Byfield, and W. F. Runnells, Newburyport, Mass. Ice-cutting machine. No. 902,503; Oct. 27; Sp. p. 5124; Dr. p. 1037; Gaz. vol. 136; p. 1962.
- Merrill, N. C., Vancouver, British Columbia, Canada. Tilttable bed. No. 880,682; Mar. 3; Sp. p. 379; Dr. p. 83; Gaz. vol. 133; p. 67.
- Merrill, N. C., Vancouver, British Columbia, Canada. Folding bed. No. 886,622; May 5; Sp. p. 554; Dr. pp. 116-17; Gaz. vol. 134; p. 98.
- Merrill, N. C., Vancouver, British Columbia, Canada. Removable table-top. No. 886,623; May 5; Sp. p. 556; Dr. p. 117; Gaz. vol. 134; p. 98.
- Merrill, N. C., Vancouver, British Columbia, Canada. Tilttable-bed latch. No. 895,571; Aug. 11; Sp. p. 1591; Dr. p. 336; Gaz. vol. 135; p. 1181.
- Merrill, W. C., Boston, Mass. Discharging device for waste material. No. 895,876; Aug. 11; Sp. p. 2203; Dr. p. 470; Gaz. vol. 135; p. 1280.
- Merrill, W. L., Schenectady, N. Y., assignor to General Electric Company. Visual signal. No. 888,341; May 19; Sp. p. 4010; Dr. p. 847; Gaz. vol. 134; p. 715.
- Merrill, W. L., Schenectady, N. Y., assignor to General Electric Company. Towing system. No. 891,352; June 23; Sp. p. 4394; Dr. p. 957; Gaz. vol. 134; p. 1852.
- Merrill, W. L., Schenectady, N. Y., assignor to General Electric Company. Voltage-regulating system. No. 894,522; July 28; Sp. p. 4477; Dr. p. 927; Gaz. vol. 135; p. 783.
- Merrill, W. L., Schenectady, N. Y., assignor to General Electric Company. Means for regulating dynamo-electric machines. No. 898,058; Sept. 8; Sp. p. 1698; Dr. p. 360; Gaz. vol. 136; p. 297.
- Merriman, D. F., and R. L. Apfel, Waterloo, Iowa. Pivoted car. No. 888,520; May 26; Sp. p. 4384; Dr. p. 929; Gaz. vol. 134; p. 804.
- Merriman, R. M., Youngstown, Ohio. Vehicle-tire. No. 899,061; Sept. 22; Sp. p. 3588; Dr. p. 769; Gaz. vol. 136; p. 678.
- Merriman, T. S., Beaver Falls, Pa. Car-door hanger. No. 882,950; Mar. 24; Sp. p. 4903; Dr. p. 1040; Gaz. vol. 133; p. 901.
- Merrin, W. T., Fredericktown, Ohio. Storage battery. No. 882,573; Mar. 24; Sp. p. 4137; Dr. p. 878; Gaz. vol. 133; p. 776.
- Merritt, D. H., Lincoln, Neb. Cement-brick machine. No. 881,815; Mar. 10; Sp. p. 2620; Dr. pp. 562-3; Gaz. vol. 133; p. 467.
- Merritt, F. C., Brockport, N. Y. Shipping and display box. No. 886,388; May 5; Sp. p. 93; Dr. p. 19; Gaz. vol. 134; p. 20.
- Merritt, F. C., Brockport, N. Y. Display-box for flower-seeds. No. 897,002; Aug. 25; Sp. p. 4502; Dr. p. 962; Gaz. vol. 135; p. 1691.
- Merritt, G. E., and L. D. Grubb, Great Bend, Kans. Heating-tank for brooders. No. 896,846; Aug. 25; Sp. p. 4150; Dr. p. 889; Gaz. vol. 135; p. 1640.
- Merritt, H. W., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 888,832; May 26; Sp. p. 5058; Dr. pp. 1079-80; Gaz. vol. 134; p. 908.
- Merritt, H. W., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 891,849; June 30; Sp. p. 5431; Dr. pp. 1174-5; Gaz. vol. 134; p. 2048.
- Merritt, H. W., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 901,982; Oct. 27; Sp. p. 4023; Dr. pp. 816-17; Gaz. vol. 136; p. 1791.
- Merritt, H. W., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 904,708; Nov. 24; Sp. p. 4464; Gaz. vol. 137; p. 809.
- Merritt, J. (See Lorenz, W. A., assignor.)
- Merritt, J., assignor to W. A. Lorenz and W. H. Honiss, Hartford, Conn., and Beech-Nut Packing Company, Canajoharie, N. Y. Hermetic-sealing apparatus. No. 889,475; June 2; Sp. p. 581; Dr. p. 136; Gaz. vol. 134; p. 1149.
- Merritt, J., Hartford, Conn., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., W. A. Lorenz and W. H. Honiss, Hartford, Conn. Apparatus for mounting and dismounting tubes and gaskets. No. 894,221; July 28; Sp. p. 3855; Dr. pp. 798-9; Gaz. vol. 135; p. 685.
- Merritt, M. M., Middleton, Mass., assignor to National Electric Lamp Company, Cleveland, Ohio. Incandescent lamp. No. 882,257; Mar. 17; Sp. p. 3543; Dr. p. 752; Gaz. vol. 133; p. 640.
- Merritt, M. M., Middleton, Mass., assignor to National Electric Lamp Company, Cleveland, Ohio. Manufacture of incandescent-lamp bases. No. 882,258; Mar. 17; Sp. p. 3546; Dr. p. 752; Gaz. vol. 133; p. 640.
- Merritt, W. N., Nocona, Tex. Lawn-mower. No. 881,430; Mar. 10; Sp. p. 1871; Dr. p. 407; Gaz. vol. 133; p. 342.
- Morrow, E. L., assignor to National Ring Traveler Company, Providence, R. I. Ring traveler. No. 879,293; Feb. 18; Sp. p. 2880; Dr. p. 600; Gaz. vol. 132; p. 1380.
- Morrow, F. S., Portland, Me. Screwless type-writer base-board. No. 880,683; Mar. 3; Sp. p. 380; Dr. p. 83; Gaz. vol. 133; p. 68.
- Morrow, F. S., Mexico, Mexico. Fish-tail propeller. No. 886,389; May 5; Sp. p. 95; Dr. p. 19; Gaz. vol. 134; p. 21.
- Morrow, J. M., assignor to Morrow Machine Company, Hartford, Conn. Presser-foot for sewing-machines. No. 881,816; Mar. 10; Sp. p. 2622; Dr. p. 563; Gaz. vol. 133; p. 467.
- Morrow, J. M., assignor to Morrow Machine Company, Hartford, Conn. Trimming-cutter. No. 907,617; Dec. 22; Sp. p. 4909; Gaz. vol. 137; p. 1884.
- Morrow, J. M., assignor to Morrow Machine Company, Hartford, Conn. Trimming-cutter for sewing-machines. No. 907,618; Dec. 22; Sp. p. 4911; Gaz. vol. 137; p. 1887.
- Morrow, J. M., assignor to Morrow Machine Company, Hartford, Conn. Trimming-cutter for sewing-machines. No. 907,619; Dec. 22; Sp. p. 4912; Gaz. vol. 137; p. 1887.
- Morrow, J. M., assignor to Morrow Machine Company, Hartford, Conn. Trimming-cutter for sewing-machines. No. 907,620; Dec. 22; Sp. p. 4913; Gaz. vol. 137; p. 1887.
- Morrow, J. M., assignor to Morrow Machine Company, Hartford, Conn. Trimming-cutter for sewing-machines. No. 907,621; Dec. 22; Sp. p. 4915; Gaz. vol. 137; p. 1887.
- Morrow, J. M., assignor to Morrow Machine Company, Hartford, Conn. Trimming-cutter for sewing-machines. No. 907,622; Dec. 22; Sp. p. 4916; Gaz. vol. 137; p. 1888.

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- Marrow, J. M., assignor to Marrow Machine Company, Hartford, Conn. Trimming-cutter for sewing-machines. No. 907,624; Dec. 22; Sp. p. 4919; Gaz. vol. 137; p. 1889.
- Marrow Machine Company. (See Marrow, J. M., assignor.)
- Mershon, R. D., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Lightning-arrester. No. 893,742; July 21; Sp. p. 2852; Dr. p. 586; Gaz. vol. 135; p. 507.
- Mershon, W. R., Newark, N. J. Safety device for rail connections of drawbridges. No. 876,074; Jan. 7; Sp. p. 765; Dr. p. 163; Gaz. vol. 132; p. 130.
- Mershon, W. R., Newark, N. J., and H. R. Leonard, Wayne, Pa. Locking device for drawbridge rail-joints. No. 876,073; Jan. 7; Sp. p. 761; Dr. p. 162; Gaz. vol. 132; p. 129.
- Mertelmeyer, G. C. A. (See Koester, H., assignor.)
- Mertens, J. C., assignor of one-half to J. Hanreddy, Chicago, Ill. Hopper mechanism. No. 889,706; June 2; Sp. p. 1017; Dr. p. 235; Gaz. vol. 134; p. 1222.
- Mertens, L., London, England. Non-recoiling firearm. No. 891,778; June 23; Sp. p. 5263; Dr. p. 1140; Gaz. vol. 134; p. 1994.
- Mertens, L., London, England. Means for preventing distortion of cartridge-shells. No. 898,908; Sept. 15; Sp. p. 3310; Dr. p. 709; Gaz. vol. 136; p. 602.
- Mertes, N. H., Hartford, Wis. Thill-coupling. No. 875,721; Jan. 7; Sp. p. 83; Dr. p. 17; Gaz. vol. 132; p. 18.
- Mertz, E., Basel, Switzerland. Multistage-turbine. No. 892,440; July 7; Sp. p. 95; Dr. p. 21; Gaz. vol. 135; p. 20.
- Mertz, J. W., Mount Clemens, Mich. Rheostat. No. 886,230; Apr. 28; Sp. p. 5246; Dr. p. 1105; Gaz. vol. 133; p. 2114.
- Merwin, F. N., Kansas City, Mo. Photomicrographical apparatus. No. 899,793; Sept. 29; Sp. p. 5079; Dr. p. 1087; Gaz. vol. 136; p. 954.
- Merwin Manufacturing Company. (See Burdick, C., assignor.)
- Merz, A., and J. A. Heine, Reading, Pa. Window. No. 892,605; July 7; Sp. p. 400; Dr. p. 88; Gaz. vol. 135; p. 74.
- Merz, C., Fort Lee, N. J., and F. Lebart, New York, N. Y. Printing-press attachment. No. 905,552; Dec. 1; Sp. p. 897; Gaz. vol. 137; p. 1126.
- Merz, R. G., Newark, N. J., assignor to American Process Company, New York, N. Y. Continuous-screw press. No. 898,760; Sept. 15; Sp. p. 3039; Dr. pp. 652-3; Gaz. vol. 136; p. 553.
- Meservie, W. R. (See Clark, W. S., assignor.)
- Meskill, J. J., Philadelphia, Pa., assignor to J. F. Kelly, Washington, D. C. Nozzle-holder. No. 883,969; Apr. 7; Sp. p. 608; Dr. p. 121; Gaz. vol. 133; p. 965.
- Messel, F., San Francisco, Cal. Folding bed. No. 905,448; Dec. 1; Sp. p. 679; Gaz. vol. 137; p. 1093.
- Messer, J. C., assignor of two-thirds to R. C. Lambie and J. Cook, Austin, Tex. Buggy-spindle. No. 885,502; Apr. 21; Sp. p. 3753; Dr. p. 789; Gaz. vol. 133; p. 1849.
- Messer, J. C., and I. J. Deen, Austin, Tex. Plow. No. 894,966; Aug. 4; Sp. p. 377; Dr. p. 76; Gaz. vol. 135; p. 956.
- Messersmith, B. H., and W. Healy, Yonkers, N. Y. Upholstery. No. 888,720; May 26; Sp. p. 4805; Dr. p. 1023; Gaz. vol. 134; p. 872.
- Messersmith, H. E., Huntington, W. Va. Mail-bag catcher and deliverer. No. 889,030; May 26; Sp. p. 5448; Dr. p. 1158; Gaz. vol. 134; p. 973.
- Messick, C. H., Mesic, N. C. Sash-fastener. No. 876,209; Jan. 7; Sp. p. 1012; Dr. p. 220; Gaz. vol. 132; p. 172.
- Messinger, J., Philadelphia, Pa. Device for extracting spokes from hubs of wheels. No. 893,257; July 14; Sp. p. 1758; Dr. p. 370; Gaz. vol. 135; p. 317.
- Messiter, W. F., New York, N. Y. Heater for fire-engines. No. 889,476; June 2; Sp. p. 584; Dr. p. 136; Gaz. vol. 134; p. 1149.
- Messler, A. C. (See Creclius, E. R., assignor.)
- Messmore, E. E., Epworth, Iowa. Jarring device. No. 886,231; Apr. 28; Sp. p. 5249; Dr. p. 1106; Gaz. vol. 133; p. 2115.
- Messmore, E. E., Epworth, Iowa. Rock-drilling device. No. 895,877; Aug. 11; Sp. p. 2207; Dr. p. 470; Gaz. vol. 135; p. 1280.
- Messner, O. S., Newberry, Pa. Bevel. No. 896,847; Aug. 25; Sp. p. 4151; Dr. p. 889; Gaz. vol. 135; p. 1640.
- Messner, P., Trossingen, Germany. Mouth-organ. No. 892,672; July 7; Sp. p. 545; Dr. p. 115; Gaz. vol. 135; p. 96.
- Mesta Machine Company. (See Hamkens, H., assignor.)
- Mesta Machine Company. (See Helander, A. H., assignor.)
- Mesta Machine Company. (See Keller, A. T., assignor.)
- Mesta Machine Company. (See Ottesen, F., assignor.)
- Mestmacher, W. F., Hawk Point, Mo. Collapsible box. No. 886,530; May 5; Sp. p. 372; Dr. p. 77; Gaz. vol. 134; p. 69.
- Mestitz, A., Raudnitz-on-the-Elbe, Austria-Hungary. Filter for dust-suction apparatus. No. 877,580; Jan. 28; Sp. p. 3903; Dr. p. 844; Gaz. vol. 132; p. 720.
- Mestraud, A. C., assignor to O. J. Junge, Lincoln, Nebr. Reproducer for phonographs. No. 880,320; Feb. 25; Sp. p. 5008; Dr. p. 1056; Gaz. vol. 132; p. 1749.
- Metal Process Company. (See Leitch, M., assignor.)
- Metal Process Company. (See Leitch, M., assignor.) (Reissue.)
- Metal Sectional Furniture Company. (See Daniels, C., assignor.)
- Metal Sectional Furniture Company. (See Holland, E. C., assignor.)
- Metal Specialties Manufacturing Company. (See Fisk, J. T., assignor.)
- Metal Specialties Manufacturing Company. (See Wheeler, C., assignor.)
- Metal Stamping Company. (See Boeck, C. H., assignor.)
- Metallic Sheathing Company. (See Berg, L. J., assignor.)
- Metallurgical Company of America. (See Meyer, F., assignor.)
- Metallurgiska Aktiebolaget. (See Gröndal, G., assignor.)
- Metallurgiska Aktiebolaget. (See Hårdén, P., assignor.)
- Metcalfe, B., New York, N. Y. Self-cleansing filter. No. 880,558; Mar. 3; Sp. p. 126; Dr. pp. 28-9; Gaz. vol. 133; p. 26.
- Metcalfe, C. W., San Diego, Cal. Acetylene-gas generator. No. 887,491; May 12; Sp. p. 2384; Dr. pp. 501-2; Gaz. vol. 134; p. 409.
- Metcalfe, E. P., *et al.*, trustees. (See Beck, O. P., assignor.)
- Metcalfe, E. P., *et al.*, trustees. (See Dunn, C. E., assignor.)
- Metcalfe, E. P., *et al.*, trustees. (See Nelson, C. E., assignor.)
- Metcalfe, H. A., Leominster, Mass. Comb. No. 895,483; Aug. 11; Sp. p. 1426; Dr. p. 299; Gaz. vol. 135; p. 1153.
- Metcalfe, J. C., Mercersburg, Pa. Reversing mechanism for traction-engines. No. 886,232; Apr. 28; Sp. p. 5250; Dr. p. 1106; Gaz. vol. 133; p. 2115.
- Metcalfe, J. D., assignor of one-half to J. C. Causey, Gloster, Miss. Scrubbing-machine. No. 885,939; Apr. 28; Sp. p. 4678; Dr. p. 985; Gaz. vol. 133; p. 2020.
- Metcalfe, L. B., Spartanburg, S. C. Baling-press. No. 878,978; Feb. 11; Sp. p. 2243; Dr. p. 469; Gaz. vol. 132; p. 1237.
- Metcalfe, L. D. (See Miller and Metcalfe.)
- Metcalfe, A. J., *et al.* (See Grace, T., assignor.)
- Metcalfe, A. W., and J. S. D. Shanks, Belfast, Ireland. Construction of steam-boilers. No. 907,841; Dec. 29; Sp. p. 5375; Gaz. vol. 137; p. 1991.
- Metcalfe, H. W., Ealing, England. Crane mechanism. No. 882,011; Mar. 17; Sp. p. 3075; Dr. pp. 653-4; Gaz. vol. 133; p. 561.
- Metcalfe, J. C. and R. D., Fallowfield, England. Injector. No. 905,206; Dec. 1; Sp. p. 170; Gaz. vol. 137; p. 1011.
- Metcalfe, R. D. (See Metcalfe, J. C. and R. D.)
- Metcalfe, W. S., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelop-blank-punching machine. No. 908,116; Dec. 29; Sp. p. 5952; Gaz. vol. 137; p. 2080.
- Metrolanoff, N. P., Bridgeport, Conn. Mechanical fountain. No. 883,038; Mar. 24; Sp. p. 5060; Dr. p. 1078; Gaz. vol. 133; p. 928.
- Metropolitan Sewing Machine Company. (See Weis, J. P., assignor.)
- Metropolitan Switchboard Co. (See Kellner, L., assignor.)
- Mets, J. D., Dubuque, Iowa. Book. No. 904,076; Nov. 17; Sp. p. 3125; Gaz. vol. 137; p. 568.
- Mett, H. A., Maples, N. Y. Halter-rope. No. 889,707; June 2; Sp. p. 1020; Dr. p. 236; Gaz. vol. 134; p. 1222.
- Metten, J. F., Philadelphia, Pa. Securing blades of turbines, &c. No. 901,115; Oct. 13; Sp. p. 2189; Dr. p. 445; Gaz. vol. 136; p. 1440.
- Metter, G. E., Seaside, Oreg. Fire-escape. No. 892,281; June 30; Sp. p. 6274; Dr. pp. 1350-1; Gaz. vol. 134; p. 2191.
- Metterhausen, C., Chicago, Ill. Sliding-door fixture. No. 886,531; May 5; Sp. p. 374; Dr. p. 78; Gaz. vol. 134; p. 69.
- Metterhausen, C., Chicago, Ill. Car-bolster. No. 887,210; May 12; Sp. p. 1711; Dr. p. 364; Gaz. vol. 134; p. 313.
- Mettler, J. W., East Millstone, assignor to Interwoven Stocking Company, New Brunswick, N. J. Hosiery. No. 882,951; Mar. 24; Sp. p. 4903; Dr. p. 1040; Gaz. vol. 133; p. 901.
- Mettras, J., *et al.* (See Baum, J. B., assignor.)
- Metz, E. C., *et al.* (See Metz, E. C., assignor.)
- Metz, E. C., assignor to J. Kehoe and E. C. Metz, Newark, N. J. Device for heating crucibles and hot water. No. 877,513; Jan. 28; Sp. p. 3752; Dr. p. 813; Gaz. vol. 132; p. 698.
- Metz, J. J., Meadville, Pa. Train-order holder and deliverer. No. 895,282; Aug. 4; Sp. p. 1032; Dr. p. 216; Gaz. vol. 135; p. 1064.
- Metz, R., Oberusel in Taunus, Germany. Alarm-clock. No. 900,293; Oct. 6; Sp. p. 477; Dr. p. 98; Gaz. vol. 136; p. 1147.

Alphabetical list of patentees—Continued.

- Metzger, C. A., New York, N. Y. Burglar-alarm. No. 901,983; Oct. 27; Sp. p. 4032; Dr. p. 817; Gaz. vol. 136; p. 1792.
- Metzger, J. J., Cleveland, Ohio. Changeable-sign-exhibiting device. No. 901,631; Oct. 20; Sp. p. 3271; Dr. pp. 670-1; Gaz. vol. 136; p. 1645.
- Metzger, W. C., assignor to American Sales Book Company, Elmira, N. Y. Manifold copy book or pad. No. 901,935; Oct. 20; Sp. p. 3893; Dr. p. 794; Gaz. vol. 136; p. 1746.
- Metzker, K., New York, N. Y. Swinging door. No. 883,418; Mar. 31; Sp. p. 5866; Dr. p. 1250; Gaz. vol. 133; p. 1084.
- Metzler, C., Fresno, Cal. Passenger-recorder. No. 897,762; Sept. 1; Sp. p. 1045; Dr. p. 225; Gaz. vol. 136; p. 169.
- Metzler, J., Herkimer, N. Y. Type-writer cabinet. No. 901,543; Oct. 20; Sp. p. 3104; Dr. p. 634; Gaz. vol. 136; p. 1618.
- Metzler, S. N., Indianapolis, Ind. Electrotherapeutic generator. No. 892,441; July 7; Sp. p. 96; Dr. pp. 21-2; Gaz. vol. 135; p. 20.
- Meulen, A. A. van der, Amsterdam, Netherlands. Forming hygienic metallic ends on cigars and the like. No. 882,770; Mar. 24; Sp. p. 4525; Gaz. vol. 133; p. 840.
- Meunies, G. H., Pittsburg, Pa. Horse-brush. No. 907,842; Dec. 29; Sp. p. 5377; Gaz. vol. 137; p. 1991.
- Meyers, G. N., assignor to Benbow-Brammer Manufacturing Company, St. Louis, Mo. Mechanical movement. No. 890,156; June 9; Sp. p. 1925; Dr. p. 425; Gaz. vol. 134; p. 1397.
- Meyes, O. W. (See Seifert and Meyes.)
- Mews, F. W., Moscow, Russia. Tumbler for locks. No. 896,456; Aug. 18; Sp. p. 3338; Dr. p. 718; Gaz. vol. 135; p. 1489.
- Meyer, A., assignor of fifty-one one-hundredths to J. W. Allison, St. Louis, Mo. Wire-glass-rolling apparatus. No. 876,653; Jan. 14; Sp. p. 2004; Dr. pp. 436-7; Gaz. vol. 132; p. 355.
- Meyer, A. F., Roanoke, Ill. Portable elevator. No. 893,637; July 21; Sp. p. 2566; Dr. p. 535; Gaz. vol. 135; p. 471.
- Meyer, A. F. W., Chicago, Ill., assignor to J. H. McGill, Valparaiso, Ind. Shade attachment for electric incandescent lamps. No. 888,521; May 26; Sp. p. 4385; Dr. p. 929; Gaz. vol. 134; p. 805.
- Meyer, A. J., Cleveland, Ohio. Variable-speed-transmitting mechanism. No. 882,952; Mar. 24; Sp. p. 4905; Dr. p. 1040; Gaz. vol. 133; p. 902.
- Meyer, A. O., *et al.* (See Sassaman, A. H., assignor.)
- Meyer, A. W., Roselle, N. J. Urn. No. 877,211; Jan. 21; Sp. p. 3162; Dr. pp. 685-6; Gaz. vol. 132; p. 581.
- Meyer Bridges Company. (See Stocker, L., assignor.)
- Meyer, C. L., and N. P. Hickey, Detroit, Mich., assignors to Commercial Gas Company, Limited, Windsor, Canada. Apparatus for carburizing air. No. 881,431; Mar. 10; Sp. p. 1871; Dr. p. 407; Gaz. vol. 133; p. 342.
- Meyer, E. (See Stricker and Meyer.)
- Meyer, E., Schneevdingen, Germany. Apparatus for drawing perspective views. No. 888,249; May 19; Sp. 3837; Dr. p. 806; Gaz. vol. 134; p. 687.
- Meyer, E., New York, N. Y. Vibratory apparatus for ear treatment. No. 904,632; Nov. 24; Sp. p. 4306; Gaz. vol. 137; p. 783.
- Meyer, E., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Red tetrazo dye. No. 888,522; May 26; Sp. p. 4387; Gaz. vol. 134; p. 805.
- Meyer, E., assignor to Farbenfabriken, vorm. Friedr. Bayer & Co., Elberfeld, Germany. Yellow dye. No. 890,588; June 9; Sp. p. 2803; Gaz. vol. 134; p. 1538.
- Meyer, E., and E. C. Schifers, San Antonio, Tex. Axle-lubricator. No. 897,915; Sept. 8; Sp. p. 1392; Dr. p. 297; Gaz. vol. 136; p. 251.
- Meyer, F., Englewood, N. J., assignor to Metallurgical Company of America, New York, N. Y. Metallurgy of ores of zinc, &c. No. 879,482; Feb. 18; Sp. p. 3266; Dr. pp. 680-1; Gaz. vol. 132; p. 1441.
- Meyer, F., Englewood, N. J., assignor to Metallurgical Company of America, New York, N. Y. Metallurgical furnace. No. 879,483; Feb. 18; Sp. p. 3269; Dr. pp. 681-2; Gaz. vol. 132; p. 1441.
- Meyer, F., assignor to Bartels, Dierichs & Co. Gesellschaft mit beschränkter Haftung, Barmen, Germany. Braiding and lace-making machine. No. 882,332; Mar. 17; Sp. p. 3689; Dr. pp. 782-4; Gaz. vol. 133; p. 665.
- Meyer, F. H. (See Hunt, S. A., assignor.)
- Meyer, F. H., Chicago, Ill. Piano-stool. No. 903,599; Nov. 10; Sp. p. 2139; Gaz. vol. 137; p. 380.
- Meyer, F. T., Montclair, N. J., assignor to Meyer-Sniffen Company, New York, N. Y. Washbasin. No. 903,216; Nov. 10; Sp. p. 1370; Gaz. vol. 137; p. 254.
- Meyer, G. S., Newburgh, N. Y. Removable wire calk. No. 982,282; June 30; Sp. p. 6275; Dr. p. 1351; Gaz. vol. 134; p. 2191.
- Meyer, H., New York, N. Y. Pneumatic action. No. 879,786; Feb. 18; Sp. p. 3885; Dr. p. 815; Gaz. vol. 132; p. 1540.
- Meyer, H., New York, N. Y. Coin-controlled apparatus. No. 879,827; Feb. 18; Sp. p. 3977; Dr. pp. 832-3; Gaz. vol. 132; p. 1554.
- Meyer, H., New York, N. Y. Pneumatic action. No. 882,402; Mar. 17; Sp. p. 3804; Dr. p. 813; Gaz. vol. 133; p. 687.
- Meyer, H., New York, N. Y. Pneumatic action. No. 898,761; Sept. 15; Sp. p. 3043; Dr. p. 653; Gaz. vol. 136; p. 553.
- Meyer, H., New York, N. Y. Speed-controlling device for note-sheets. No. 898,762; Sept. 15; Sp. p. 3045; Dr. p. 653; Gaz. vol. 136; p. 553.
- Meyer, H., New York, N. Y. Controlling mechanism. No. 900,408; Oct. 6; Sp. p. 707; Dr. p. 146; Gaz. vol. 136; p. 1184.
- Meyer, H., St. Louis, Mo. Pneumatic carving-drill. No. 882,259; Mar. 17; Sp. p. 3549; Dr. p. 752; Gaz. vol. 133; p. 640.
- Meyer, H. H., Racine, Wis. Ore-washing machine. No. 887,490; May 12; Sp. p. 2380; Dr. pp. 500-1; Gaz. vol. 134; p. 409.
- Meyer, H. T., and G. F. C. Lamar, assignors to Duranoid Mfg. Co., Newark, N. J. Press. No. 887,109; May 12; Sp. p. 1540; Dr. p. 325; Gaz. vol. 134; p. 282.
- Meyer, J., Müttersholz, near Schlettstadt, Germany. Non-refillable bottle. No. 881,817; Mar. 10; Sp. p. 2624; Dr. p. 563; Gaz. vol. 133; p. 468.
- Meyer, J., Cologne, Germany. Apparatus for the supply of drinks or beverages. No. 893,343; July 14; Sp. p. 1918; Dr. pp. 401-2; Gaz. vol. 135; p. 345.
- Meyer, J., Cologne, Germany. Float-controlled device for measuring vessels, &c. No. 899,884; Sept. 29; Sp. p. 5259; Dr. p. 1125; Gaz. vol. 136; p. 982.
- Meyer, J., Berlin, Germany. Preparing substitutes for shellac. No. 898,382; Sept. 8; Sp. p. 2296; Gaz. vol. 136; p. 399.
- Meyer, J. A. (See Romsos, O. T., assignor.)
- Meyer, J. F., Jr., and K. Wimmer, Bremen, Germany. Tea product and making same. No. 897,764; Sept. 1; Sp. p. 1048; Gaz. vol. 136; p. 170.
- Meyer, J. F., Jr., L. Roselius, and K. Wimmer, Bremen, Germany. Treatment of coffee. No. 897,763; Sept. 1; Sp. p. 1047; Gaz. vol. 136; p. 170.
- Meyer, J. F., Jr., L. Roselius, and K. H. Wimmer, assignors to Kaffee-Handels-Aktiengesellschaft, Bremen, Germany. Preparation of coffee. No. 897,840; Sept. 1; Sp. p. 1219; Gaz. vol. 136; p. 193.
- Meyer, J. J., assignor to Standard Carrier Co., Kenyon, Minn. Carrier system. No. 901,984; Oct. 27; Sp. p. 4033; Dr. pp. 817-18; Gaz. vol. 136; p. 1792.
- Meyer, J. P., Rochester, N. Y. Photometer. No. 884,835; Apr. 14; Sp. p. 2390; Dr. p. 503; Gaz. vol. 133; p. 1602.
- Meyer, M. (See Chambers, J. M., assignor.)
- Meyer, M., assignor to Meyer Safety Guard Company, Omaha, Nebr. Safety-guard for cars. No. 900,187; Oct. 6; Sp. p. 243; Dr. pp. 49-50; Gaz. vol. 136; p. 1112.
- Meyer, M., and T. Kenne, Luverne, Iowa. Tongue supporting and locking means. No. 902,100; Oct. 27; Sp. p. 4247; Dr. p. 860; Gaz. vol. 136; p. 1828.
- Meyer, M. J., Summit, N. J. Ventilator. No. 903,217; Nov. 10; Sp. p. 1371; Gaz. vol. 137; p. 254.
- Meyer, O., Göttingen, Germany. Coin-fed mechanism. No. 877,212; Jan. 21; Sp. p. 3165; Dr. pp. 686-7; Gaz. vol. 132; p. 581.
- Meyer, O., Richmond, Va. Electrolyte for electroplating. No. 902,755; Nov. 3; Sp. p. 435; Gaz. vol. 137; p. 75.
- Meyer, R. E., Detroit, Mich. Metallic sealing-cap. No. 891,353; June 23; Sp. p. 4394; Dr. p. 957; Gaz. vol. 134; p. 1852.
- Meyer, S. M., assignor to G. C. Batcheller, New York, N. Y. Acetylene-lamp and lighting device for automobiles and other vehicles. No. 875,942; Jan. 7; Sp. p. 436; Dr. p. 105; Gaz. vol. 132; p. 88.
- Meyer Safety Guard Company. (See Meyer, M., assignor.)
- Meyer-Sniffen Company. (See Meyer, F. T., assignor.)
- Meyer, W., Chicago, Ill. Speculum. No. 899,175; Sept. 22; Sp. p. 3825; Dr. p. 819; Gaz. vol. 136; p. 717.
- Meyer, W. F. (See White and Meyer.)
- Meyer, W. G., Loganville, Wis. Vehicle-axle. No. 898,588; Sept. 15; Sp. p. 2711; Dr. pp. 579-80; Gaz. vol. 136; p. 498.
- Meyer, W. J., Cincinnati, Ohio. Paper-roll holder. No. 895,572; Aug. 11; Sp. p. 1592; Dr. p. 337; Gaz. vol. 135; p. 1181.
- Meyer, W. W., Oshkosh, Wis. Bolt-operator. No. 896,928; Aug. 25; Sp. p. 4338; Dr. p. 929; Gaz. vol. 135; p. 1667.
- Meyers, C. L. (See Joyner, A. L., assignor.)
- Meyers, E. J., Staplehurst, assignor of three-fourths to J. H. Erford, Lincoln, E. J. Erford and J. H. Slonecker, Staplehurst, Nebr. Gravitating hinge. No. 893,003; July 14; Sp. p. 1262; Dr. p. 265; Gaz. vol. 135; p. 235.
- Meyers, J. J. (See Thomas and Meyers.)
- Meyers, J. T., Delphos, Ohio. Back-rest for turning-lathes. No. 898,589; Sept. 15; Sp. p. 2712; Dr. p. 580; Gaz. vol. 136; p. 498.
- Meyers, W. F. (See Wegner and Meyers.)
- Meyersberg, G., Berlin, Germany. Apparatus for the production of a gaseous or vaporous fluid mixture. No. 895,654; Aug. 11; Sp. p. 1750; Dr. p. 370; Gaz. vol. 135; p. 1208.
- Meyrowitz, E. B. (See Hirsch, I. S., assignor.)

Alphabetical list of patentees—Continued.

- Meyrowitz Manufacturing Company. (See Dieckmann, C. F., assignor.)
- Mezger, C. A., New York, N. Y. Deriving energy from the direct combustion of fuel. No. 882,261; Mar. 17; Sp. p. 3552; Dr. p. 753; Gaz. vol. 133; p. 641.
- Mezger, C. A., assignor to C. A. Mezger Inc., New York, N. Y. Spark-plug clip. No. 882,260; Mar. 17; Sp. p. 3551; Dr. p. 753; Gaz. vol. 133; p. 641.
- Mezger, E. J., Yolo, Cal. Measuring device. No. 897,987; Sept. 8; Sp. p. 1549; Dr. p. 329; Gaz. vol. 136; p. 274.
- Miami Cycle & Manufacturing Company. (See Schenck, M., assignor.)
- Michael, A. C., assignor of one-half to W. B. Fisher, Flora, Ind. Watering-trough. No. 885,632; Apr. 21; Sp. p. 4024; Dr. p. 840; Gaz. vol. 133; p. 1888.
- Michael, C. W., assignor to J. I. Case Plow Works, Racine, Wis. Planter. No. 881,193; Mar. 10; Sp. p. 1389; Dr. p. 301; Gaz. vol. 133; p. 266.
- Michael, C. W., assignor to J. I. Case Plow Works, Racine, Wis. Corn-planter. No. 897,220; Aug. 25; Sp. p. 4932; Dr. p. 1047; Gaz. vol. 135; p. 1761.
- Michael, C. W., assignor to J. I. Case Plow Works, Racine, Wis. Cultivator. No. 897,221; Aug. 25; Sp. p. 4936; Dr. p. 1048; Gaz. vol. 135; p. 1762.
- Michael, F. M. (See Pearsall, C. W., assignor.)
- Michael, J., Pottsville, Pa. Cloth attachment for ironing-boards. No. 899,675; Sept. 29; Sp. p. 4818; Dr. p. 1031; Gaz. vol. 136; p. 913.
- Michaels, S., assignor of one-half to N. Downing, Mount Pulaski, Ill. Rail-joint and cross-tie. No. 886,233; Apr. 28; Sp. p. 5251; Dr. p. 1106; Gaz. vol. 133; p. 2115.
- Michaelsen, C. O., Omaha, Nebr. Mineral-concentrator. No. 880,808; Mar. 3; Sp. p. 644; Dr. p. 135; Gaz. vol. 133; p. 111.
- Michaelsen, C. O., Omaha, Nebr. Ore-crusher. No. 887,003; May 5; Sp. p. 1321; Dr. p. 278; Gaz. vol. 134; p. 219.
- Michaelson, E., Washington, D. C. Cuff-holder. No. 905,903; Dec. 8; Sp. p. 1570; Gaz. vol. 137; p. 1270.
- Michaelson, M., assignor of one-half to H. T. Alsop, Fargo, N. D. Billiard-chalk holder. No. 901,020; Oct. 13; Sp. p. 2014; Dr. p. 409; Gaz. vol. 136; p. 1411.
- Michaud, G., and E. Delasson, Paris, France. Making filaments for lighting and heating. No. 904,139; Nov. 17; Sp. p. 3259; Gaz. vol. 137; p. 591.
- Michaud, J. O., Fort Kent, Me. Power-transmission mechanism. No. 899,420; Sept. 22; Sp. p. 4279; Dr. p. 919; Gaz. vol. 136; p. 794.
- Michaud, O. E., St. Louis, Mo. Ball-bearing. No. 906,258; Dec. 8; Sp. p. 2244; Gaz. vol. 137; p. 1385.
- Michaud, O. E., St. Louis, Mo. Attachment for shotguns. No. 906,443; Dec. 8; Sp. p. 2583; Gaz. vol. 137; p. 1444.
- Michel, J. W., Binghamton, N. Y. Cigar-package. No. 906,444; Dec. 8; Sp. p. 2584; Gaz. vol. 137; p. 1444.
- Michelin, A., Paris, France. Pressure-controller. No. 886,834; May 5; Sp. p. 1014; Dr. p. 213; Gaz. vol. 134; p. 166.
- Michelin, A., Paris, France. Pneumatic tire for wheels of vehicles. No. 891,498; June 23; Sp. p. 4689; Dr. p. 1015; Gaz. vol. 134; p. 1900.
- Michelin, A., Paris, France. Wheel-tire. No. 892,673; July 7; Sp. p. 546; Dr. p. 115; Gaz. vol. 135; p. 97.
- Michell, A. G. M. (See Newton and Michell.)
- Michelson, F. O., Thorsby, Ala. Cake-pan. No. 888,250; May 19; Sp. p. 3838; Dr. p. 806; Gaz. vol. 134; p. 687.
- Michigan Lubricator Co. (See Bryant, W. E., assignor.)
- Michigan Lubricator Co. (See Davidson, R., assignor.)
- Michon, J. H. M., Aneta, N. D. Buckle. No. 879,974; Feb. 25; Sp. p. 4316; Dr. p. 903; Gaz. vol. 132; p. 1636.
- Mick, R. M., assignor of one-half to W. A. Amsberry, Bussey, Iowa. Door check and spring. No. 893,185; July 14; Sp. p. 1620; Dr. p. 342; Gaz. vol. 135; p. 293.
- Middlethorpe, C., et al. (See Rasmussen and Olsen, assignors.)
- Middlebrook, W. H., Southport, Conn., assignor of one-half to J. P. Osterhoudt, Kingston, N. Y. Clamp for gas-hose. No. 883,220; Mar. 31; Sp. p. 5435; Dr. p. 1158; Gaz. vol. 133; p. 1019.
- Middlebrooke, T. B., Revere, Mass. Dog-bench. No. 903,218; Nov. 10; Sp. p. 1374; Gaz. vol. 137; p. 255.
- Middleby, J., Watertown, Mass. Baker's oven. No. 894,967; Aug. 4; Sp. p. 378; Dr. p. 77; Gaz. vol. 135; p. 956.
- Middlesex Last Company. (See Farnham, W. H., assignor.)
- Middleton, B. W., Union City, Pa. Knockdown chair. No. 898,668; Sept. 15; Sp. p. 2875; Dr. p. 615; Gaz. vol. 136; p. 524.
- Middleton, E. (See Holmstrom, C., assignor.)
- Middleton, H. M. (See Anderson and Middleton.)
- Middleton, J. R., Everett, Mass. Tube or flue cleaner. No. 878,145; Feb. 4; Sp. p. 494; Dr. p. 106; Gaz. vol. 132; p. 930.
- Middleton, M. S. (See Stanley, J., assignor.)
- Middleton, R. (See Hughes, Quinlan, and Middleton.)
- Midgley, A. H., London, England. Generation, control, and transmission of electric energy, particularly for use on automobiles and like vehicles. No. 904,794; Nov. 24; Sp. p. 4663; Gaz. vol. 137; p. 838.
- Midgley, D. A., Salt Lake City, Utah. Combined receiver and damper-regulator. No. 896,561; Aug. 18; Sp. p. 3548; Dr. p. 762; Gaz. vol. 135; p. 1523.
- Midgley, E. A., Salt Lake City, Utah. Graduated low-pressure steam and water inlet valve. No. 907,625; Dec. 22; Sp. p. 4920; Gaz. vol. 137; p. 1888.
- Midgley, T. (See Hopkinson and Midgley.)
- Miehle, R., Chicago, Ill. Printing-press. No. 881,139; Mar. 10; Sp. p. 1296; Dr. pp. 279-80; Gaz. vol. 133; p. 250.
- Miersch, W., Niedersieditz, near Dresden, Germany. Approximate separation of reaction products resulting from the sulfonation of aromatic bodies. No. 889,799; June 2; Sp. p. 1182; Dr. p. 273; Gaz. vol. 134; p. 1251.
- Miesse, W. F., et al. (See Althen, W. C., assignor.)
- Mieth, H., Vallejo, Cal. Electric insulator. No. 887,336; May 12; Sp. p. 2047; Dr. p. 428; Gaz. vol. 134; p. 358.
- Mignerey, U. G., Julian, Nebr. Hog-tank. No. 889,708; June 2; Sp. p. 1021; Dr. p. 236; Gaz. vol. 134; p. 1223.
- Mignolet, J. (See Julliot, D., assignor.)
- Migrath, J. W., Chicago, Ill. Clamp-pan attachment for machinery. No. 898,492; Sept. 15; Sp. p. 2525; Dr. p. 540; Gaz. vol. 136; p. 467.
- Mikolasek, W. F., Vodnany, S. D. Toy. No. 882,403; Mar. 17; Sp. p. 3806; Dr. pp. 813-14; Gaz. vol. 133; p. 687.
- Mikolasek, W. F., Vodnany, S. D. Prairie-fire fighter. No. 903,394; Nov. 10; Sp. p. 1704; Gaz. vol. 137; p. 312.
- Mikorey, H., Schöneberg, near Berlin, Germany. Color-spraying apparatus. No. 883,144; Mar. 24; Sp. p. 5274; Dr. p. 1125; Gaz. vol. 133; p. 963.
- Mikorey, H., Schöneberg, near Berlin, assignor to Firm of W. Graaff & Compagnie, Ges. mit beschr. Haftung, Berlin, Germany. Hand-operated sand-blast. No. 882,645; Mar. 24; Sp. p. 4286; Dr. p. 909; Gaz. vol. 133; p. 801.
- Mikorey, H., Schöneberg, near Berlin, Germany, assignor to Minimax Consolidated Limited, London, England. Color and dye sprayer. No. 888,449; May 19; Sp. p. 4249; Dr. p. 899; Gaz. vol. 134; p. 752.
- Mikorey, H., Schöneberg, near Berlin, Germany, assignor to Minimax Consolidated Limited, London, England, and Neuruppin, Marls, Germany. Paint-sprayer. No. 894,680; July 28; Sp. p. 4797; Dr. p. 996; Gaz. vol. 135; p. 836.
- Milbrath, W., assignor of one-half to S. R. Dubetz, Lakefield, Minn. Fanning-mill. No. 904,885; Nov. 24; Sp. p. 4860; Gaz. vol. 137; p. 868.
- Milburn, G., assignor of one-half to W. G. Milburn, Baltimore, Md. Automatic signaling device. No. 885,168; Apr. 21; Sp. p. 3092; Dr. pp. 650-1; Gaz. vol. 133; p. 1740.
- Milburn, W. G. (See Milburn, G., assignor.)
- Milburn, W. M., Denison, Tex. Oil-burner. No. 906,541; Dec. 15; Sp. p. 2765; Gaz. vol. 137; p. 1502.
- Milbury, S. R., Rahway, N. J. Wave-motor. No. 888,721; May 26; Sp. p. 4808; Dr. p. 1024; Gaz. vol. 134; p. 873.
- Milch, M., Nagy-Bittse, Austria-Hungary, assignor to General Electric Company. Lightning-arrester. No. 894,518; July 28; Sp. p. 4469; Dr. p. 925; Gaz. vol. 135; p. 782.
- Milch, M., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor. No. 897,475; Sept. 1; Sp. p. 479; Dr. p. 102; Gaz. vol. 136; p. 76.
- Mildebrath, W. H. R., Jacksonville, Fla. Electric sparking device. No. 902,427; Oct. 27; Sp. p. 4949; Dr. p. 999; Gaz. vol. 136; p. 1935.
- Miles, C. H., New Haven, Conn. Tack and staple puller. No. 894,969; Aug. 4; Sp. p. 383; Dr. p. 78; Gaz. vol. 135; p. 957.
- Miles, C. W., Cincinnati, Ohio. Ice-machine compressor. No. 878,483; Feb. 4; Sp. p. 1206; Dr. p. 249; Gaz. vol. 132; p. 1043.
- Miles, D. E., Jr., Aurora, Ill. Block-signal. No. 881,938; Mar. 17; Sp. p. 2907; Dr. p. 621; Gaz. vol. 133; p. 537.
- Miles, D. E., Reece, Kans. Cattle-stanchion. No. 884,599; Apr. 14; Sp. p. 1890; Dr. p. 405; Gaz. vol. 133; p. 1523.
- Miles, G. S., assignor to O. J. Maigne, New York, N. Y. Tension-bar for concrete construction. No. 904,977; Nov. 24; Sp. p. 5039; Gaz. vol. 137; p. 898.
- Miles, G. S., assignor to O. J. Maigne, New York, N. Y. Device for concrete constructions, &c. No. 904,978; Nov. 24; Sp. p. 5042; Gaz. vol. 137; p. 899.
- Miles, J. F., Paris, Tex. Auxiliary water-heater and smoke-consumer. No. 877,444; Jan. 21; Sp. p. 3602; Dr. p. 780; Gaz. vol. 132; p. 655.
- Miles, J. F., Paris, Tex. Smoke and soot arrester for stacks. No. 887,004; May 5; Sp. p. 1322; Dr. p. 279; Gaz. vol. 134; p. 219.
- Miles, J. F., Paris, Tex. Folding tent. No. 894,681; July 28; Sp. p. 4798; Dr. p. 996; Gaz. vol. 135; p. 837.
- Miles, J. F., Paris, Tex. Water-heater. No. 908,301; Dec. 29; Sp. p. 6345; Gaz. vol. 137; p. 2143.
- Miles, N. E., Indianapolis, Ind. Garment-hanger. No. 900,567; Oct. 6; Sp. p. 1068; Dr. p. 219; Gaz. vol. 136; p. 1236.
- Miles, N. E., Indianapolis, Ind. Skirt-measuring device. No. 900,568; Oct. 6; Sp. p. 1069; Dr. p. 219; Gaz. vol. 136; p. 1236.

Alphabetical list of patentees—Continued.

- Miles, T. S., and C. E. Poirier, Omaha, Nebr. Roller-support for edgewise-movable doors. No. 896,562; Aug. 18; Sp. p. 3550; Dr. p. 762; Gaz. vol. 135; p. 1524.
- Miles, W. C., Jersey City, N. J. Table-desk. No. 888,722; May 26; Sp. p. 4804; Dr. p. 1024; Gaz. vol. 134; p. 873.
- Milford Iron Foundry. (See Stimpson and Bradford, assignors.)
- Milford, W. G., *et al.* (See Speer, R. G., assignor.)
- Milhado, E. V., Mineral, Va. Vegetable peeler or scraper. No. 902,428; Oct. 27; Sp. p. 4951; Dr. p. 999; Gaz. vol. 136; p. 1935.
- Milnholland, G. A., Pittsburg, Pa. Smoke-bell. No. 896,504; Aug. 18; Sp. p. 3553; Dr. p. 763; Gaz. vol. 135; p. 1524.
- Mill, A., assignor to Hilbert Machine Company, Cincinnati, Ohio. Speed-changing mechanism. No. 877,213; Jan. 21; Sp. p. 3168; Dr. p. 687; Gaz. vol. 132; p. 581.
- Mill, A., Cincinnati, Ohio, and A. W. Copland, Detroit, Mich.; said Mill assignor to said Copland. Actuating mechanism for oven-carriers. No. 887,828; May 19; Sp. p. 3042; Dr. p. 639; Gaz. vol. 134; p. 550.
- Mill, J. F. A., assignor of one-half to M. E. Mill, Hamilton, Ohio. Gear-cutting apparatus. No. 892,442; July 7; Sp. p. 90; Dr. pp. 22-3; Gaz. vol. 135; p. 21.
- Mill, M. E. (See Mill, J. F. A., assignor.)
- Millar, E. R. (See Sims, J. S., assignor.)
- Millar, J., Cincinnati, Ohio, and S. Humbard, Knoxville, Tenn.; said Humbard assignor of one-half of his right to said Millar. Horse-collar protector. No. 876,279; Jan. 7; Sp. p. 1160; Dr. p. 253; Gaz. vol. 132; p. 195.
- Millard, G. E., Chicago, Ill. Shade-roller. No. 906,542; Dec. 15; Sp. p. 2767; Gaz. vol. 137; p. 1502.
- Millard, J. A., New York, N. Y. Bridle-bit. No. 880,901; Mar. 3; Sp. p. 849; Dr. p. 181; Gaz. vol. 133; p. 143.
- Millard, L. F., Whitewater, Wis. Core-box used in the art of molding for metal-casting. No. 903,102; Nov. 3; Sp. p. 1136; Gaz. vol. 137; p. 186.
- Millard, R. C., Atlanta, Ga. Safety appliance for railway-trains. No. 882,157; Mar. 17; Sp. p. 3333; Dr. p. 711; Gaz. vol. 133; p. 607.
- Millea, F. J. (See Stannard, J. E., assignor.)
- Millen, G. H., and F. L. Van Dusen, assignors of one-third to E. B. Eddy Co., Limited, Hull, Quebec, Canada. Metallic reinforcing means for packages. No. 896,743; Aug. 25; Sp. p. 3917; Dr. p. 844; Gaz. vol. 135; p. 1603.
- Millen, R. H., Clay Center, Kans. Mail-sack catcher. No. 899,456; Sept. 22; Sp. p. 4345; Dr. p. 933; Gaz. vol. 136; p. 805.
- Miller, A., Syracuse, N. Y. Whiffletree-clip. No. 888,632; May 26; Sp. p. 4630; Dr. p. 982; Gaz. vol. 134; p. 845.
- Miller, A., Cape Girardeau, Mo. Metallic railway-tie. No. 894,023; July 21; Sp. p. 3456; Dr. p. 706; Gaz. vol. 135; p. 601.
- Miller, A., Oakharbor, Ohio. Ditching-wheel. No. 907,078; Dec. 15; Sp. p. 3765; Gaz. vol. 137; p. 1670.
- Miller, A. A., *et al.* (See Baum, J. B., assignor.)
- Miller, A. C., Chicago, Ill. Means for attaching pneumatic tires. No. 886,835; May 5; Sp. p. 1016; Dr. p. 213; Gaz. vol. 134; p. 166.
- Miller, A. C., Providence, R. I. Wax-extractor. No. 905,732; Dec. 1; Sp. p. 1228; Gaz. vol. 137; p. 1182.
- Miller, A. C., and C. L., Battle Creek township, Calhoun county, Mich. Plate-lifter. No. 894,894; Aug. 4; Sp. p. 199; Dr. p. 44; Gaz. vol. 135; p. 931.
- Miller, A. E., Cheney, Wash. Motor mechanism. No. 889,477; June 2; Sp. p. 585; Dr. pp. 136-7; Gaz. vol. 134; p. 1150.
- Miller, A. E., Rural Retreat, Va. Rotary engine. No. 907,843; Dec. 29; Sp. p. 5378; Gaz. vol. 137; p. 1991.
- Miller, A. F., Henderson, Tenn. Furnace. No. 885,356; Apr. 21; Sp. p. 3487; Dr. p. 727; Gaz. vol. 133; p. 1804.
- Miller, A. F., Henderson, Tenn. Collapsible box or crate. No. 892,283; June 30; Sp. p. 6277; Dr. p. 1351; Gaz. vol. 134; p. 2191.
- Miller, A. G., Muskegon, Mich. Hook and eye. No. 890,080; June 9; Sp. p. 1771; Dr. p. 392; Gaz. vol. 134; p. 1372.
- Miller, A. H., Chesaning, Mich. Automatic electric switch. No. 884,514; Apr. 14; Sp. p. 1716; Dr. p. 368; Gaz. vol. 133; p. 1495.
- Miller, A. J., Manawa, Wis. Hay and cattle rack. No. 899,315; Sept. 22; Sp. p. 4105; Dr. p. 877; Gaz. vol. 136; p. 761.
- Miller, A. J., Grand Rapids, Mich. Internal-combustion engine. No. 905,733; Dec. 1; Sp. p. 1231; Gaz. vol. 137; p. 1183.
- Miller, A. L., J., Newburgh, N. Y. Wicket fence or guard. No. 899,605; Sept. 29; Sp. p. 4673; Dr. p. 1002; Gaz. vol. 136; p. 892.
- Miller, A. N. (See Cook and Miller.)
- Miller, B. E., Brandon, Iowa. Manure-spreader. No. 884,515; Apr. 14; Sp. p. 1718; Dr. p. 368; Gaz. vol. 133; p. 1495.
- Miller, B. N. B., Hartford, Conn. Cushion for footwear. No. 900,867; Oct. 13; Sp. p. 1699; Dr. p. 343; Gaz. vol. 136; p. 1361.
- Miller Brothers Cutlery Company. (See Robinson, H., assignor.)
- Miller, C., Del Rio, Tex. Blind-tenon. No. 878,979; Feb. 11; Sp. p. 2245; Dr. p. 469; Gaz. vol. 132; p. 1237.
- Miller, C., Wheeling, W. Va. Wrench. No. 884,836; Apr. 14; Sp. p. 2391; Dr. p. 503; Gaz. vol. 133; p. 1603.
- Miller, C., Chicago, Ill. Station-indicator. No. 885,503; Apr. 21; Sp. p. 3754; Dr. p. 789; Gaz. vol. 133; p. 1849.
- Miller, C. B., and H. F. Harner, Piqua, Ohio. Device for compressing shocks, bundles, and the like. No. 906,147; Dec. 8; Sp. p. 2029; Gaz. vol. 137; p. 1347.
- Miller, C. C. (See Martin, A. J., assignor.)
- Miller, C. E., Anderson, Ind. Vulcanizer for repairing tires. No. 893,638; July 21; Sp. p. 2569; Dr. p. 535; Gaz. vol. 135; p. 471.
- Miller, C. E., Edgerton, assignor of one-half to F. Hillebrand, Perrysburg, Ohio. Basket. No. 887,411; May 12; Sp. p. 2213; Dr. p. 463; Gaz. vol. 134; p. 382.
- Miller, C. E., and L. D. Metcalf, Whatcom county, Wash. Saw-set. No. 889,478; June 2; Sp. p. 588; Dr. p. 137; Gaz. vol. 134; p. 1150.
- Miller, C. F., *et al.*, executors. (See Shone and Rauber.)
- Miller, C. F., *et al.* (See Thomas, D. W., assignor.)
- Miller, C. H., Cleveland, Ohio. Combined coal and gas range. No. 899,885; Sept. 29; Sp. p. 5260; Dr. p. 1125; Gaz. vol. 136; p. 983.
- Miller, C. H., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Automatic self-starter. No. 905,734; Dec. 1; Sp. p. 1233; Gaz. vol. 137; p. 1183.
- Miller, C. J., Chicago, Ill. Forging-crane. No. 881,253; Mar. 10; Sp. p. 1521; Dr. p. 327; Gaz. vol. 133; p. 287.
- Miller, C. J., Minneapolis, Minn. Package-carrier. No. 889,536; June 2; Sp. p. 694; Dr. p. 150; Gaz. vol. 134; p. 1168.
- Miller, C. J., Minneapolis, Minn. Store-service apparatus. No. 889,538; June 2; Sp. p. 697; Dr. p. 160; Gaz. vol. 134; p. 1169.
- Miller, C. J., Minneapolis, Minn. Store-service apparatus. No. 892,535; July 7; Sp. p. 279; Dr. p. 61; Gaz. vol. 135; p. 52.
- Miller, C. J., Brooklyn, N. Y. Display-package. No. 903,600; Nov. 10; Sp. p. 2140; Gaz. vol. 137; p. 380.
- Miller, C. J., and J. F. Canney, Minneapolis, Minn. Package-carrier. No. 889,537; June 2; Sp. p. 696; Dr. pp. 159-60; Gaz. vol. 134; p. 1168.
- Miller, C. K., Seiling, Okla. Machine for baling broom-corn. No. 877,939; Feb. 4; Sp. p. 92; Dr. p. 21; Gaz. vol. 132; p. 864.
- Miller, C. L. (See Miller, A. C. and C. L.)
- Miller, C. T., and G. A. Carlson, Moscow, Idaho. Bale-binding attachment for hay-presses. No. 879,975; Feb. 25; Sp. p. 4318; Dr. pp. 903-4; Gaz. vol. 132; p. 1636.
- Miller, C. W., Milwaukee, Wis. Relief-valve. No. 880,088; Feb. 25; Sp. p. 4543; Dr. p. 956; Gaz. vol. 132; p. 1672.
- Miller, D. E., West Alexandria, Ohio. Breeding stock. No. 889,945; June 9; Sp. p. 1485; Dr. p. 337; Gaz. vol. 134; p. 1325.
- Miller, D. F., Lowell, Mass. Electric sign. No. 878,146; Feb. 4; Sp. p. 496; Dr. p. 106; Gaz. vol. 132; p. 931.
- Miller, D. I., Sheffield, Ala. Blast-furnace-charging apparatus. No. 888,723; May 26; Sp. p. 4810; Dr. pp. 1024-5; Gaz. vol. 134; p. 873.
- Miller, Du Brul and Peters Manufacturing Company. (See Du Brul, A., assignor.)
- Miller, Du Brul and Peters Manufacturing Company. (See Rosewarne, R. E., assignor.)
- Miller, E., assignor of one-half to W. Sands and C. W. Ruse, Homestead, Pa. Meat-hook. No. 904,140; Nov. 17; Sp. p. 3260; Gaz. vol. 137; p. 591.
- Miller, E. B. (See Bentley and Chessher, assignors.)
- Miller, E. J., Canton, Ohio. Pasteurizing apparatus. No. 882,706; Mar. 24; Sp. p. 4398; Dr. p. 936; Gaz. vol. 133; p. 821.
- Miller, F. C. (See Sohn and Miller.)
- Miller, F. C., Cincinnati, Ohio. Brake. No. 893,858; July 21; Sp. p. 3097; Dr. pp. 633-4; Gaz. vol. 135; p. 545.
- Miller, F. C., and O. Butzke, Springfield, Ill. Motor frame and gear. No. 896,226; Aug. 18; Sp. p. 2867; Dr. p. 618; Gaz. vol. 135; p. 1415.
- Miller, F. F., Napanee, Ontario, Canada. Internal-combustion engine. No. 884,402; Apr. 14; Sp. p. 1483; Dr. p. 318; Gaz. vol. 133; p. 1459.
- Miller, F. J., Detroit, Mich. Reinforced concrete sidewalk. No. 881,700; Mar. 10; Sp. p. 2392; Dr. p. 519; Gaz. vol. 133; p. 430.
- Miller, F. J., Cleveland, Ohio. Engine. No. 900,757; Oct. 13; Sp. p. 1456; Dr. pp. 296-7; Gaz. vol. 136; p. 1325.
- Miller, G. A., Tamaroa, Ill. Binding attachment for baling-presses. No. 881,432; Mar. 10; Sp. p. 1873; Dr. pp. 407-8; Gaz. vol. 133; p. 343.
- Miller, G. A., Louisville, Ky. Hame-fastener. No. 887,110; May 12; Sp. p. 1543; Dr. p. 326; Gaz. vol. 134; p. 283.
- Miller, G. D., assignor to Hugh Muir Company, Chicago, Ill. Friction-clutch. No. 892,175; June 30; Sp. p. 6066; Dr. p. 1305; Gaz. vol. 134; p. 2155.
- Miller, G. E., West Detroit, Mich. Steering-gear for automobiles. No. 885,940; Apr. 28; Sp. p. 4680; Dr. pp. 985-6; Gaz. vol. 133; p. 2020.
- Miller, G. F., Frankfort-on-the-Main, Germany. Packing of pipe-joints. No. 878,655; Feb. 11; Sp. p. 1641; Dr. p. 336; Gaz. vol. 132; p. 1134.
- Miller, G. J., assignor to Mitchell Reversible Window Company, Fremont, Ohio. Reversible window. No. 903,103; Nov. 3; Sp. p. 1136; Gaz. vol. 137; p. 186.
- Miller, G. O., North Tonawanda, N. Y. Adjustable stand. No. 898,059; Sept. 8; Sp. p. 1700; Dr. p. 360; Gaz. vol. 136; p. 297.

Alphabetical list of patentees—Continued.

- Miller, G. O., assignor to L. A. Kelsey, North Tonawanda, N. Y. Cap for sewer and other pipes. No. 907,159; Dec. 22; Sp. p. 3943; Gaz. vol. 137; p. 1732.
- Miller, G. W. (See Gerrich, J. K., assignor.)
- Miller, H., Mead, Colo. Folding car-step. No. 901,632; Oct. 20; Sp. p. 3274; Dr. p. 671; Gaz. vol. 136; p. 1646.
- Miller, H. A., *et al.* (See Miller and Adamson, assignors.)
- Miller, H. A., and F. M. Adamson, assignors to F. P. Harris, Pasadena, A. T. Hay and H. A. Miller, Los Angeles, Cal. Internal-combustion engine. No. 876,472; Jan. 14; Sp. p. 1588; Dr. p. 341; Gaz. vol. 132; p. 291.
- Miller, H. B., assignor of one-half to J. A. Bell, Staunton, Va. Electrically-governed automatically-operable train-controlling system. No. 891,779; June 23; Sp. p. 5266; Dr. pp. 1140-1; Gaz. vol. 134; p. 1994.
- Miller, H. B., assignor of one-half to J. A. Bell, Staunton, Va. Air-brake apparatus. No. 891,780; June 23; Sp. p. 5271; Dr. p. 1141; Gaz. vol. 134; p. 1995.
- Miller, H. C., Waterford, N. Y. Stopping mechanism for sewing-machines. No. 876,211; Jan. 7; Sp. p. 1017; Dr. pp. 220-1; Gaz. vol. 132; p. 173.
- Miller, H. C., Waterford, N. Y. Starching fabric. No. 887,683; May 12; Sp. p. 2732; Dr. p. 578; Gaz. vol. 134; p. 471.
- Miller, H. C., Waterford, N. Y. Die for forming collars. (Reissue.) No. 12,809; June 9; Sp. p. 2813; Dr. p. 620; Gaz. vol. 134; p. 1539.
- Miller, H. C., assignor to H. C. Miller Company, Milwaukee, Wis. Loose-leaf binder. No. 902,672; Nov. 3; Sp. p. 271; Gaz. vol. 137; p. 46.
- Miller, H. G., Cleveland, Ohio. Apparatus for cooling beer and like liquids. No. 892,674; July 7; Sp. p. 546; Dr. p. 115; Gaz. vol. 135; p. 97.
- Miller, H. H., Lyndon, Vt. Seed-planting machine. No. 889,947; June 9; Sp. p. 1488; Dr. p. 338; Gaz. vol. 134; p. 1325.
- Miller Hall & Son. (See Hall, F. E., assignor.)
- Miller, I. P., and L. M. Rakestraw, assignors to W. M. Hogle and L. Y. Williams, Toledo, Ohio. Gas-engine casing or frame. No. 878,466; Feb. 4; Sp. p. 1144; Dr. pp. 234-5; Gaz. vol. 132; p. 1037.
- Miller, J. (See Brandon, W., assignor.)
- Miller, J., Brooklyn, N. Y. Gas-lamp. No. 907,626; Dec. 22; Sp. p. 4922; Gaz. vol. 137; p. 1889.
- Miller, J., Marion, Ohio. Bill-file. No. 908,023; Dec. 29; Sp. p. 5771; Gaz. vol. 137; p. 2050.
- Miller, J. A., McAdam Junction, New Brunswick, Canada. Tie-spacer. No. 907,844; Dec. 29; Sp. p. 5380; Gaz. vol. 137; p. 1991.
- Miller, J. C., Chicago, Ill. Skate. No. 889,946; June 9; Sp. p. 1486; Dr. p. 338; Gaz. vol. 134; p. 1325.
- Miller, J. C., assignor to Miller Pasteurizing Machine Company, Canton, Ohio. Pasteurizer. No. 878,225; Feb. 4; Sp. p. 679; Dr. pp. 140-1; Gaz. vol. 132; p. 956.
- Miller, J. F., *et al.* (See Thomas, D. W., assignor.)
- Miller, J. G., Burlington, Iowa. Vehicle-brake. No. 894,029; July 21; Sp. p. 3457; Dr. pp. 706-7; Gaz. vol. 135; p. 602.
- Miller, J. H., Bridgeport, Conn. Carburetor. No. 876,210; Jan. 7; Sp. p. 1013; Dr. p. 220; Gaz. vol. 132; p. 172.
- Miller, J. J., St. Joseph, Mich., assignor to W. P. Healy, Chicago, Ill. Machinery for use in making wire-bound boxes. No. 878,737; Feb. 11; Sp. p. 1783; Dr. pp. 370-7; Gaz. vol. 132; p. 1160.
- Miller, J. J., St. Joseph, Mich., assignor to W. P. Healy, Chicago, Ill. Wire-bound box. No. 887,337; May 12; Sp. p. 2049; Dr. p. 428; Gaz. vol. 134; p. 359.
- Miller, J. J., and J. Dreistadt, Jr., Old Forge, Pa. Paper cartridge. No. 878,818; Feb. 11; Sp. p. 1948; Dr. p. 403; Gaz. vol. 132; p. 1186.
- Miller, J. J. A., Denver, Colo. Collar and necktie fastener for shirt-bands. No. 876,375; Jan. 14; Sp. p. 1362; Dr. p. 297; Gaz. vol. 132; p. 258.
- Miller, J. M., Chicago, Ill. Acid-bottle cage for fire-extinguishers. No. 883,326; Mar. 31; Sp. p. 5652; Dr. p. 1206; Gaz. vol. 133; p. 1052.
- Miller, J. R., *et al.* (See Hollingsworth, R. L., assignor.)
- Miller, J. R., Hutchinson, Kans. Sheet-metal joint. No. 906,731; Dec. 15; Sp. p. 3123; Gaz. vol. 137; p. 1562.
- Miller, J. S. (See Martin and Miller.)
- Miller, J. S., Arnold, Kans. Gas and other engine. No. 891,432; June 23; Sp. p. 4555; Dr. p. 991; Gaz. vol. 134; p. 1878.
- Miller, J. W., assignor of one-half to W. F. Cowham, Jackson, Mich. Cement-block machine. No. 884,101; Apr. 7; Sp. p. 874; Dr. p. 184; Gaz. vol. 133; p. 1332.
- Miller, J. Z., Indianapolis, Ind. Folding seat. No. 878,889; Feb. 11; Sp. p. 2079; Dr. pp. 432-3; Gaz. vol. 132; p. 1209.
- Miller, K. B., assignor to Steel Gain Manufacturing Company, Chicago, Ill. Ground-wire clamp. No. 894,844; Aug. 4; Sp. p. 84; Dr. p. 18; Gaz. vol. 135; p. 914.
- Miller, L., Elwood, Ind. Stove. No. 899,122; Sept. 22; Sp. p. 3705; Dr. p. 794; Gaz. vol. 136; p. 699.
- Miller, L. A., assignor of one-half to F. C. Inbusch, Milwaukee, Wis. Railway-tie. No. 898,590; Sept. 15; Sp. p. 2714; Dr. p. 581; Gaz. vol. 136; p. 498.
- Miller, L. B. (See Brewer and Miller.)
- Miller, L. G., New York, N. Y. Window-lock. No. 898,763; Sept. 15; Sp. p. 3047; Dr. p. 653; Gaz. vol. 136; p. 554.
- Miller, L. H., and G. A. Newcomb, Tacoma, Wash. Traveling crane. No. 903,601; Nov. 10; Sp. p. 2141; Gaz. vol. 137; p. 380.
- Miller, L. K. (See Lee and Miller.)
- Miller, L. V., Chicago, Ill. Lasting-tack puller. No. 897,003; Aug. 25; Sp. p. 4503; Dr. pp. 962-3; Gaz. vol. 135; p. 1691.
- Miller Lock Co. (See Jackson, A. C., assignor.)
- Miller Lock Company. (See Soley, F., assignor.)
- Miller, M., St. Louis, Mo. Automatically-controlled or self-regulating pumping mechanism. No. 879,111; Feb. 11; Sp. p. 2513; Dr. p. 522; Gaz. vol. 132; p. 1278.
- Miller, M., St. Louis, Mo. Water-purifying apparatus. No. 879,112; Feb. 11; Sp. p. 2517; Dr. pp. 522-3; Gaz. vol. 132; p. 1278.
- Miller, M., St. Louis, Mo. Apparatus for treating, storing, and delivering water. No. 883,221; Mar. 31; Sp. p. 5436; Dr. pp. 1158-9; Gaz. vol. 133; p. 1019.
- Gaz. vol. 133; p. 1019.
- Miller, M. B., *et al.* (See Schrader, G. F., assignor.)
- Miller, M. G., Denver, Colo. Attachment for cuspidors. No. 890,992; June 16; Sp. p. 3682; Dr. p. 802; Gaz. vol. 134; p. 1703.
- Miller, M. M., and G. S. Steinberger, assignors of one-third to F. E. Lewis, Allentown, Pa. Mail-handling apparatus. No. 902,986; Nov. 3; Sp. p. 919; Gaz. vol. 137; p. 151.
- Miller, M. S. (See Richards and Miller.)
- Miller, O. R., Esbon, Kans. Washing-machine. No. 896,563; Aug. 18; Sp. p. 3552; Dr. p. 763; Gaz. vol. 135; p. 1524.
- Miller, P. (See Myers, J. W., assignor.)
- Miller Pasteurizing Machine Company. (See Miller, J. C., assignor.)
- Miller Pasteurizing Machine Company. (See Pfouts, L. S., assignor.) (Reissue.)
- Miller, R., Appleton, Wis. Hay-carrier. No. 881,604; Mar. 10; Sp. p. 2209; Dr. p. 482; Gaz. vol. 133; p. 401.
- Miller, R. E. (See Rider, S. S., assignor.)
- Miller, R. H., assignor to Christy Fire Clay Co., St. Louis, Mo. Glass-furnace. No. 892,379; June 30; Sp. p. 6453; Dr. p. 1391; Gaz. vol. 134; p. 2221.
- Miller, R. R., Pueblo, Colo. Railroad switching device. No. 882,707; Mar. 24; Sp. p. 4401; Dr. p. 936; Gaz. vol. 133; p. 821.
- Miller, R. R., Pueblo, Colo. Operating device for automatic switches. No. 890,784; June 16; Sp. p. 3246; Dr. p. 710; Gaz. vol. 134; p. 1635.
- Miller, R. W., Perry, Iowa. Mattress-frame. No. 881,701; Mar. 10; Sp. p. 2394; Dr. p. 519; Gaz. vol. 133; p. 430.
- Miller, S., New York, N. Y. Press for neckties. No. 884,283; Apr. 7; Sp. p. 1247; Dr. p. 262; Gaz. vol. 133; p. 1391.
- Miller, S. F., Chicago, Ill. Apparatus for discharging the contents of septic or settling tanks. No. 899,750; Sept. 29; Sp. p. 4971; Dr. p. 1066; Gaz. vol. 136; p. 938.
- Miller, S. F., Chicago, Ill. Pipe-siphon. No. 903,395; Nov. 10; Sp. p. 1706; Gaz. vol. 137; p. 312.
- Miller, S. F., Chicago, Ill. Apparatus for discharging the contents of septic or settling tanks and the like. No. 904,141; Nov. 17; Sp. p. 3261; Gaz. vol. 137; p. 591.
- Miller, S. G. (See McDonald and Miller.)
- Miller, S. G., assignor, by mesne assignments, to Smith & Furbush Machine Company, Philadelphia, Pa. Raveling-machine. No. 878,980; Feb. 11; Sp. p. 2246; Dr. pp. 469-70; Gaz. vol. 132; p. 1237.
- Miller, S. W. (See Cox, J. W., assignor.)
- Miller Speed Meter Company. (See Johnson, R., assignor.)
- Miller, T., New York, N. Y. Manicure implement. No. 893,004; July 14; Sp. p. 1263; Dr. p. 266; Gaz. vol. 135; p. 236.
- Miller, T., New York, N. Y. Manicure implement. No. 894,161; July 21; Sp. p. 3705; Dr. p. 768; Gaz. vol. 135; p. 644.
- Miller, T., New York, N. Y. Manicure implement. No. 900,758; Oct. 13; Sp. p. 1458; Dr. p. 297; Gaz. vol. 136; p. 1325.
- Miller, T. S., South Orange, N. J. Conveying apparatus. No. 885,774; Apr. 28; Sp. p. 4332; Dr. pp. 908-9; Gaz. vol. 133; p. 1964.
- Miller, T. S., South Orange, N. J. Marine cableway. No. 889,387; June 2; Sp. p. 398; Dr. p. 94; Gaz. vol. 134; p. 1121.
- Miller, T. S., South Orange, N. J. Conveying apparatus. No. 896,744; Aug. 25; Sp. p. 3918; Dr. pp. 844-5; Gaz. vol. 135; p. 1603.
- Miller, T. S., South Orange, N. J. Conveying apparatus. No. 901,021; Oct. 13; Sp. p. 2016; Dr. p. 409; Gaz. vol. 136; p. 1411.
- Miller, T. S., South Orange, N. J. Cableway. No. 907,845; Dec. 29; Sp. p. 5381; Gaz. vol. 137; p. 1992.
- Miller, T. S., South Orange, N. J., and J. H. Dickinson, Atlanta, Ga. Hoisting and conveying apparatus. No. 878,982; Feb. 11; Sp. p. 2251; Dr. pp. 470-1; Gaz. vol. 132; p. 1238.
- Miller, T. S., South Orange, and J. H. Dickinson, Montclair, N. J. Hoisting and conveying device. No. 879,113; Feb. 11; Sp. p. 2520; Dr. pp. 523-4; Gaz. vol. 132; p. 1279.

Alphabetical list of patentees—Continued.

- Miller, T. S., South Orange, and J. H. Dickinson, Montclair, N. J. Loading apparatus. No. 883,115; Mar. 24; Sp. p. 5206; Dr. p. 1112-13; Gaz. vol. 133; p. 954.
- Miller, T. S., South Orange, and J. H. Dickinson, Montclair, N. J. Apparatus for loading cars. No. 890,157; June 9; Sp. p. 1929; Dr. pp. 425-6; Gaz. vol. 134; p. 1398.
- Miller, T. S., South Orange, and J. H. Dickinson, Montclair, N. J. Portable derrick. No. 890,158; June 9; Sp. p. 1931; Dr. p. 426; Gaz. vol. 134; p. 1398.
- Miller, T. S., South Orange, and J. H. Dickinson, Montclair, N. J. Portable derrick. No. 890,159; June 9; Sp. p. 1935; Dr. pp. 426-7; Gaz. vol. 134; p. 1398.
- Miller, T. S., South Orange, and J. H. Dickinson, Montclair, N. J. Conveying apparatus. No. 895,033; Aug. 4; Sp. p. 526; Dr. p. 107; Gaz. vol. 135; p. 981.
- Miller, T. S., South Orange, N. J., and J. H. Dickinson, Atlanta, Ga.; said Dickinson assignor to Lidgerwood Manufacturing Company. Hoisting and conveying device. No. 878,482; Feb. 4; Sp. p. 1204; Dr. p. 248; Gaz. vol. 132; p. 1043.
- Miller, T. W., Ashland, Ohio. Pyrographic or cautery device. No. 888,333; May 26; Sp. p. 5061; Dr. p. 1080; Gaz. vol. 134; p. 909.
- Miller, W. D., Saco, Mont. Riding-spur. No. 883,897; Apr. 7; Sp. p. 463; Dr. p. 91; Gaz. vol. 133; p. 1265.
- Miller, W. D., Saco, Mont. Stirrup. No. 887,005; May 5; Sp. p. 1324; Dr. p. 279; Gaz. vol. 134; p. 220.
- Miller, W. E., Oakdale, Cal. Ribbon show-case. No. 880,151; Feb. 25; Sp. p. 4670; Dr. p. 984; Gaz. vol. 132; p. 1693.
- Miller, W. E., Salt Lake City, Utah. Hat-ventilator. No. 903,219; Nov. 10; Sp. p. 1376; Gaz. vol. 137; p. 255.
- Miller, W. H., Cleveland, Ohio. Pneumatic brake. No. 885,169; Apr. 21; Sp. p. 3097; Dr. p. 651; Gaz. vol. 133; p. 1740.
- Miller, W. H., Cleveland, Ohio. Car-truck. No. 899,674; Sept. 29; Sp. p. 4816; Dr. pp. 1030-1; Gaz. vol. 136; p. 913.
- Miller, W. H., Orange, assignor to New Jersey Patent Company, West Orange, N. J. Diaphragm. No. 883,327; Mar. 31; Sp. p. 5653; Dr. p. 1206; Gaz. vol. 133; p. 1053.
- Miller, W. J. (See Barndt and Miller.)
- Miller, W. J., Coffeyville, Kans. Mold. No. 876,212; Jan. 7; Sp. p. 1024; Dr. p. 221; Gaz. vol. 132; p. 173.
- Miller, W. J., Coffeyville, Kans. Mold. No. 879,294; Feb. 18; Sp. p. 2881; Dr. p. 601; Gaz. vol. 132; p. 1381.
- Miller, W. J., Buffalo, N. Y. Post-hole auger. No. 905,735; Dec. 1; Sp. p. 1236; Gaz. vol. 137; p. 1184.
- Miller, W. M., Anderson, Ind. Slicing-machine. No. 904,549; Nov. 24; Sp. p. 4142; Gaz. vol. 137; p. 755.
- Miller, W. V., Brooklyn, assignor to Manhattan Machine Supply Company, New York, N. Y. Looper mechanism for sewing-machines. No. 903,749; Nov. 10; Sp. p. 1370; Gaz. vol. 137; p. 425.
- Miller, W. W., Shillington, Pa. Stop-cock. No. 885,775; Apr. 28; Sp. p. 4337; Dr. p. 909; Gaz. vol. 133; p. 1964.
- Millers Falls Company. (See Parsons, W. J., assignor.)
- Millers Falls Company. (See Stebbins, W. M., assignor.)
- Millies, H. C., Hammond, Ind., assignor to Simplex Railway Appliance Company, Chicago, Ill. Bulldozer. No. 890,435; June 9; Sp. p. 2497; Dr. pp. 552-3; Gaz. vol. 134; p. 1487.
- Milligan, J. B., San Bernardino, Cal. Means for drilling wells. No. 887,952; May 19; Sp. p. 3284; Dr. p. 690; Gaz. vol. 134; p. 591.
- Milligan, W. M., East Las Vegas, N. Mex. Ter. Truss. No. 880,559; Mar. 3; Sp. p. 130; Dr. p. 29; Gaz. vol. 133; p. 26.
- Milliken, F. N., New York, N. Y. Furnace-roof. No. 895,388; Aug. 4; Sp. p. 1217; Dr. pp. 256-7; Gaz. vol. 135; p. 1098.
- Milliken, G. F., Boston, and F. W. Cole, Newton, Mass., assignors to Gamewell Fire-Alarm Telegraph Company, New York, N. Y. Automatic fire-alarm, burglar-alarm, and telephone system. No. 904,550; Nov. 24; Sp. p. 4144; Gaz. vol. 137; p. 736.
- Milliken, J. K. (See Smith and Milliken.)
- Milliken, R. L., Stanford University, Cal. Clasp for overshoes. No. 897,476; Sept. 1; Sp. p. 483; Dr. p. 103; Gaz. vol. 136; p. 77.
- Million, R. J., Jefferson township, Carroll county, Ind. Transmission-gear. No. 900,111; Oct. 6; Sp. p. 81; Dr. p. 17; Gaz. vol. 136; p. 1087.
- Milliron, C., Bartlesville, Okla., assignor of one-half to American Well & Prospecting Company, Corsicana, Tex. Well-drilling apparatus. No. 885,170; Apr. 21; Sp. p. 3099; Dr. p. 652; Gaz. vol. 133; p. 1741.
- Millis, C. J., Pontiac, assignor of one-half to W. J. Hartwig, Detroit, Mich. Speed-measure. No. 895,484; Aug. 11; Sp. p. 1427; Dr. p. 299; Gaz. vol. 135; p. 1153.
- Millis, F. A., Los Angeles, Cal. Car-replacer. No. 896,457; Aug. 18; Sp. p. 3339; Dr. p. 718; Gaz. vol. 135; p. 1489.
- Millis, A. G. (See Farnham, E. W., assignor.)
- Millis, C., Newton Upper Falls, Mass., assignor to W. C. Swift, Fitzwilliam, N. H. Grinding-machine. No. 899,421; Sept. 22; Sp. p. 4283; Dr. pp. 919-20; Gaz. vol. 136; p. 794.
- Mills, D., Philadelphia, Pa., assignor to Standard Sewing Machine Company, Cleveland, Ohio. Thread-controlling mechanism for sewing-machines. No. 896,137; Aug. 18; Sp. p. 2699; Dr. p. 582; Gaz. vol. 135; p. 1385.
- Mills, D., Philadelphia, Pa., assignor to Standard Sewing Machine Company, Cleveland, Ohio. Buttonhole-sewing machine. No. 908,302; Dec. 29; Sp. p. 6347; Gaz. vol. 137; p. 2144.
- Mills, D., Philadelphia, Pa., assignor to Standard Sewing Machine Company, Cleveland, Ohio. Buttonhole-sewing machine. No. 908,303; Dec. 29; Sp. p. 6352; Gaz. vol. 137; p. 2144.
- Mills, D. B., East Orange, N. J. Protecting-hood for spark-plugs. No. 878,551; Feb. 11; Sp. p. 1399; Dr. p. 287; Gaz. vol. 132; p. 1099.
- Mills, F. B., Longbeach, Cal. Target-pigeon. No. 899,123; Sept. 22; Sp. p. 3706; Dr. p. 794; Gaz. vol. 136; p. 699.
- Mills, F. H., Camden, N. J. Mechanical movement. No. 893,258; July 14; Sp. p. 1759; Dr. p. 371; Gaz. vol. 135; p. 317.
- Mills Fly Catching Screen Company. (See Mills, N. W., assignor.)
- Mills, G. B., assignor of one-half to J. W. Brown, Nappanee, Ind. Adjustable wagon-rack. No. 894,336; July 28; Sp. p. 4106; Dr. p. 847; Gaz. vol. 135; p. 723.
- Mills, G. M., Jersey City, N. J. Dasher for liquid-freezers. No. 896,848; Aug. 25; Sp. p. 4152; Dr. pp. 889-90; Gaz. vol. 135; p. 1640.
- Mills, H. E. (See Mills, L. M. and H. E.)
- Mills, H. G., Milwaukee, Wis. Fountain-pen. No. 894,519; July 28; Sp. p. 4471; Dr. p. 926; Gaz. vol. 135; p. 782.
- Mills, H. G., Milwaukee, Wis. Carriage-return device for type-writers. No. 907,079; Dec. 15; Sp. p. 3766; Gaz. vol. 137; p. 1671.
- Mills, H. S. (See Sandell, H. K., assignor.)
- Mills, H. S., Chicago, Ill. Phonograph and other sound-producing machine. No. 876,006; Jan. 7; Sp. p. 619; Dr. pp. 132-3; Gaz. vol. 132; p. 108.
- Mills, H. S., Chicago, Ill. Coin-operated weighing-scale. No. 900,409; Oct. 6; Sp. p. 708; Dr. pp. 147-8; Gaz. vol. 136; p. 1184.
- Mills, J. H. (See Fitzpatrick, R. T., assignor.)
- Mills, J. H., Richmond, Ind. Clamp. No. 888,834; May 26; Sp. p. 5063; Dr. p. 1080; Gaz. vol. 134; p. 909.
- Mills, J. H., Richmond, Ind. Casket-handle. No. 900,569; Oct. 6; Sp. p. 1070; Dr. pp. 219-20; Gaz. vol. 136; p. 1237.
- Mills, J. H., Richmond, Ind. Clamp. (Reissue.) No. 12,864; Oct. 13; Sp. p. 2568; Dr. p. 528; Gaz. vol. 136; p. 1504.
- Mills, J. H., St. Louis, Mo. Reclining-chair. No. 900,945; Oct. 13; Sp. p. 1866; Dr. p. 380; Gaz. vol. 136; p. 1386.
- Mills, J. W. (See Bowman and Mills.)
- Mills, J. W. (See Pickop and Mills.)
- Mills Keyless Lock & Novelty Mfg. Co. (See Mills, M. B., assignor.)
- Mills, L. M. and H. E., New York, N. Y. Stocking-cap. No. 882,789; Mar. 24; Sp. p. 4556; Dr. p. 973; Gaz. vol. 133; p. 846.
- Mills, M. B., assignor to Mills Keyless Lock & Novelty Mfg. Co., Chicago, Ill. Permutation-lock. No. 894,520; July 28; Sp. p. 4471; Dr. p. 926; Gaz. vol. 135; p. 782.
- Mills, M. H., Foley, Minn. Ratchet-wrench. No. 891,559; June 23; Sp. p. 4815; Dr. p. 1040; Gaz. vol. 134; p. 1919.
- Mills, N. W., assignor to Mills Fly Catching Screen Company, Boulder, Colo. Insect-trap. No. 884,403; Apr. 14; Sp. p. 1485; Dr. p. 318; Gaz. vol. 133; p. 1459.
- Mills Novelty Company. (See Sandell, H. K., assignor.)
- Mills-Piddington Cab Signal Company. (See Davis, J. W., assignor.)
- Mills, W., London, England. Manufacturing white lead. No. 881,016; Mar. 3; Sp. p. 1055; Gaz. vol. 133; p. 180.
- Mills Woven Cartridge Belt Company. (See Batchelder, F. R., assignor.)
- Mills Woven Cartridge Belt Company. (See Jennings, V. H., assignor.)
- Mills Woven Cartridge Belt Company. (See Stiles, W. C., assignor.)
- Millsbaugh, W. H., assignor to J. J. Dauch, W. F. Harbrecht, Sandusky, and F. Boerger, Delphos, Ohio. Suction-roll for paper-machines. No. 895,283; Aug. 4; Sp. p. 1035; Dr. p. 216; Gaz. vol. 135; p. 1064.
- Millstein, W., Beaver, Pa. Glass-mold. No. 886,146; Apr. 28; Sp. p. 5106; Dr. p. 1072; Gaz. vol. 133; p. 2087.
- Milne, C. K., Hamilton, Ontario, Canada. Treating and preserving metal patterns from corrosion. No. 897,062; Sept. 22; Sp. p. 3589; Gaz. vol. 136; p. 678.
- Milne, J., Brooklyn, N. Y. Steam-generating apparatus. No. 877,355; Jan. 21; Sp. p. 3426; Dr. pp. 743-4; Gaz. vol. 132; p. 625.
- Milne, R., Rockford, Ill., assignor to B. F. Barnes Company. Centering-chuck. No. 901,249; Oct. 13; Sp. p. 2416; Dr. p. 496; Gaz. vol. 136; p. 1482.
- Milne, R., Rockford, Ill., assignor to B. F. Barnes Company. Routing-machine. No. 901,722; Oct. 20; Sp. p. 3494; Dr. p. 707; Gaz. vol. 136; p. 1677.
- Milne, R., Rockford, Ill., assignor to B. F. Barnes Company. Rod-straightening mechanism. No. 903,999; Nov. 17; Sp. p. 2966; Gaz. vol. 137; p. 542.

Alphabetical list of patentees—Continued.

- Milner, G., Brooklyn, N. Y. Power-transmission gearing. No. 896,654; Aug. 18; Sp. p. 3708; Dr. p. 798; Gaz. vol. 135; p. 1551.
- Milroy, S., Milledgeville, Ill. Pump-support. No. 880,560; Mar. 3; Sp. p. 131; Dr. p. 29; Gaz. vol. 133; p. 27.
- Miltner, E., Newark, N. J., assignor to Rubber & Celluloid Harness Trimming Co. Brush. No. 894,968; Aug. 4; Sp. p. 381; Dr. p. 77; Gaz. vol. 135; p. 957.
- Milwaukee Corrugating Company. (See Brune F., assignor.)
- Minard, W., Oil City, Pa. Drill-rod coupling. No. 904,210; Nov. 17; Sp. p. 3423; Gaz. vol. 137; p. 616.
- Minarik, J. J. (See Mis, F., assignor.)
- Minder, P., Newark, N. J. Green or hot house. No. 896,565; Aug. 18; Sp. p. 3554; Dr. pp. 763-5; Gaz. vol. 135; p. 1525.
- Mineah, G. E., Freeville, N. Y. Adjustable motor draft attachment. No. 905,553; Dec. 1; Sp. p. 898; Gaz. vol. 137; p. 1127.
- Mineau, J. A., Mountain Home, Idaho. Leveling instrument. No. 893,344; July 14; Sp. p. 1920; Dr. p. 402; Gaz. vol. 135; p. 345.
- Miner, D. W., Fairfield, Iowa. Seed-testing apparatus. No. 894,970; Aug. 4; Sp. p. 384; Dr. p. 78; Gaz. vol. 135; p. 957.
- Miner, E. R., New York, N. Y. Spike for railways. No. 882,953; Mar. 24; Sp. p. 4908; Dr. p. 1041; Gaz. vol. 133; p. 902.
- Miner, J., Detroit, Mich. Roller-skate. No. 880,684; Mar. 3; Sp. p. 382; Dr. p. 84; Gaz. vol. 133; p. 68.
- Miner, J. H., Lumberton, Miss. Saw-grinding machine. No. 908,304; Dec. 29; Sp. p. 6358; Gaz. vol. 137; p. 2145.
- Miner, R. L. (See Snyder and Miner.)
- Miner, W. C., Boston, Mass. Dental forceps. No. 882,404; Mar. 17; Sp. p. 3809; Dr. p. 814; Gaz. vol. 133; p. 688.
- Miner, W. H. (See O'Connor, J. F., assignor.)
- Miner, W. H., assignor to W. H. Miner Company, Chicago, Ill. Antifriction center-bearing for railway-cars. No. 887,262; May 12; Sp. p. 1845; Dr. p. 389; Gaz. vol. 134; p. 330.
- Miner, W. H., assignor to W. H. Miner Company, Chicago, Ill. Running-board saddle for cars. No. 891,354; June 23; Sp. p. 4398; Dr. p. 957; Gaz. vol. 134; p. 1852.
- Miner, W. H., and J. F. O'Connor, assignors to W. H. Miner Company, Chicago, Ill. Friction spring draft-rigging for railway-cars. No. 877,466; Jan. 21; Sp. p. 3636; Dr. pp. 787-8; Gaz. vol. 132; p. 661.
- Miner, W. H., Chicago, Ill., and J. E. Muhlfeld, Baltimore, Md.; said Muhlfeld assignor to said Miner. Journal-bearing for car and other axles. No. 905,088; Nov. 24; Sp. p. 5245; Gaz. vol. 137; p. 935.
- Minerals Separation. (See Sulman, H. L. and E. A., assignors.)
- Miners, W. S., Fort William, Ontario, Canada. Toy. No. 902,429; Oct. 27; Sp. p. 4952; Dr. p. 1000; Gaz. vol. 136; p. 1936.
- Minett, J., Springfield, Mass. Wrench. No. 879,640; Sept. 1; Sp. p. 808; Dr. p. 170; Gaz. vol. 136; p. 129.
- Mingay, F. H., Berfield, Bridge of Weir, Scotland. Golf-ball. No. 889,709; June 2; Sp. p. 1023; Dr. p. 236; Gaz. vol. 134; p. 1225.
- Minimax Consolidated. (See Mikorey, H., assignor.)
- Minkler, F. R., Fresno, Cal. Spark-arrester. No. 890,993; June 16; Sp. p. 3683; Dr. p. 803; Gaz. vol. 134; p. 1703.
- Minneapolis Threshing Machine Co. (See Stradley, J. V., assignor.)
- Minnich, M. C. (See Minnich, S. B., assignor.)
- Minnich, S. B., assignor to M. C. Minnich, Landisville, Pa. Lifting-jack. No. 904,551; Nov. 24; Sp. p. 4152; Gaz. vol. 137; p. 757.
- Minnich, S. B., assignor to M. C. Minnich, Landisville, Pa. Chain. No. 907,080; Dec. 15; Sp. p. 3768; Gaz. vol. 137; p. 1671.
- Minnick, C. F., North Powder, Ore. Heating-stove. No. 901,985; Oct. 27; Sp. p. 4035; Dr. p. 818; Gaz. vol. 136; p. 1792.
- Minnis, S. A., Carrollton, Mo. Corn-husker. No. 886,147; Apr. 28; Sp. p. 5107; Dr. p. 1072; Gaz. vol. 133; p. 2088.
- Minor, A. J., Canton, S. D. Draft device for plows. No. 898,764; Sept. 15; Sp. p. 3048; Dr. p. 654; Gaz. vol. 136; p. 554.
- Minor, J., Lexington, Ky. Projector. No. 907,517; Dec. 22; Sp. p. 4675; Gaz. vol. 137; p. 1854.
- Minor, W. S., Cunningham, Tenn. Rotary engine. No. 900,410; Oct. 6; Sp. p. 713; Dr. pp. 148-9; Gaz. vol. 136; p. 1185.
- Minorsky, A. A., Wilkinsburg, Pa. Hose-coupling. No. 884,187; Apr. 7; Sp. p. 1087; Dr. p. 227; Gaz. vol. 133; p. 1360.
- Minte, W., Drusedow, near Tramnitz, Germany. Fastening device for knife-beams of mowing-machines. No. 896,033; Aug. 11; Sp. p. 2517; Dr. p. 545; Gaz. vol. 135; p. 1331.
- Minter, H. L., London, England. Spanner or wrench. No. 899,833; Sept. 29; Sp. p. 5147; Dr. p. 1102; Gaz. vol. 136; p. 966.
- Minton, J. S., Kearney, Nebr. Cement block. No. 887,211; May 12; Sp. p. 1712; Dr. p. 364; Gaz. vol. 134; p. 314.
- Minton, O., Brooklyn, N. Y. Carbureter for internal-combustion engines. No. 878,411; Feb. 4; Sp. p. 1043; Dr. p. 211; Gaz. vol. 132; p. 1019.
- Mintz, M., Rock Island, Ill. Automatic electric switch. No. 877,790; Jan. 28; Sp. p. 4281; Dr. p. 930; Gaz. vol. 132; p. 787.
- Minyard, J. T., Mulberry, Ark. Support for vehicle-shafts. No. 879,183; Feb. 18; Sp. p. 2668; Dr. p. 557; Gaz. vol. 132; p. 1346.
- Miotke, J., Milwaukee, Wis. Floor-scraper. No. 904,709; Nov. 24; Sp. p. 4465; Gaz. vol. 137; p. 809.
- Mires Fuel-Oil Equipment Company. (See Scrimgeour, W., assignor.)
- Mirfield, G. E., Joliet, Ill. Sectional-stay wire fence. No. 877,214; Jan. 21; Sp. p. 3172; Dr. p. 688; Gaz. vol. 132; p. 582.
- Mirfield, G. E., Joliet, Ill. Wire-fence machine. No. 894,971; Aug. 4; Sp. p. 386; Dr. pp. 78-80; Gaz. vol. 135; p. 958.
- Mis, F., assignor of one-half to J. J. Minarik, Chicago, Ill. Sash fastener or lock. No. 904,347; Nov. 17; Sp. p. 3725; Gaz. vol. 137; p. 662.
- Mischke, A. F., Fremont, Ohio. Pruning-shears. No. 879,882; Feb. 25; Sp. p. 4115; Dr. p. 863; Gaz. vol. 132; p. 1604.
- Mishler, J. T., Johnstown, Pa. Trolley-wheel. No. 878,656; Feb. 11; Sp. p. 1642; Dr. p. 337; Gaz. vol. 132; p. 1135.
- Mitchell, A. J. (See Mitchell, G. A., A. J., and E. E.)
- Mitchell, A. W., Georgetown, Ohio. Lantern-holder. No. 879,566; Feb. 18; Sp. p. 3439; Dr. p. 720; Gaz. vol. 132; p. 1469.
- Mitchell, A. W., assignor to New England Paper Box Machine Co., New Haven, Conn. Paper-box machine. No. 894,030; July 21; Sp. p. 3459; Dr. p. 707; Gaz. vol. 135; p. 602.
- Mitchell, A. W., assignor to New England Paper Box Machine Co., New Haven, Conn. Paper-box machine. No. 898,250; Sept. 8; Sp. p. 2066; Dr. p. 439; Gaz. vol. 136; p. 357.
- Mitchell, C. Jr., Milwaukee, Wis. Ignition-controlling apparatus. No. 899,751; Sept. 29; Sp. p. 4974; Dr. p. 1066; Gaz. vol. 136; p. 939.
- Mitchell, C. E., New Britain, Conn. Fireplace-screen. No. 877,940; Feb. 4; Sp. p. 95; Dr. pp. 21-2; Gaz. vol. 132; p. 864.
- Mitchell, C. F., Levenshulme, Manchester, and J. L. Barker, Moston, England. Cloth-cutting machine. No. 905,207; Dec. 1; Sp. p. 172; Gaz. vol. 137; p. 1011.
- Mitchell, C. H. (See Mitchell, W. H. and C. H.)
- Mitchell, C. P., Boston, Mass. Twine-winding machine. No. 883,116; Mar. 24; Sp. p. 5208; Dr. pp. 1113-14; Gaz. vol. 133; p. 954.
- Mitchell, C. T., assignor to Girard Manufacturing Company, Philadelphia, Pa. Clamp. No. 907,846; Dec. 29; Sp. p. 5387; Gaz. vol. 137; p. 1992.
- Mitchell, D. C., Gasport, N. Y. Necktie. No. 904,710; Nov. 24; Sp. p. 4470; Gaz. vol. 137; p. 810.
- Mitchell, E. E. (See Mitchell, G. A., A. J., and E. E.)
- Mitchell, E. J. (See Mitchell and Fretz, assignors.)
- Mitchell, E. M., Asheville, N. C. Lawn-mowing machine. No. 892,536; July 7; Sp. p. 280; Dr. p. 61; Gaz. vol. 135; p. 52.
- Mitchell, F., and C. A. Knudsen, Philadelphia, Pa. Stop-motion for looms. No. 894,521; July 28; Sp. p. 4475; Dr. pp. 926-7; Gaz. vol. 135; p. 783.
- Mitchell, F. C., Milwaukee, Wis. Shipping-box. No. 893,639; July 21; Sp. p. 2570; Dr. p. 535; Gaz. vol. 135; p. 471.
- Mitchell, F. C., Schenectady, N. Y., assignor to General Electric Company. Brush-holder. No. 895,878; Aug. 11; Sp. p. 2208; Dr. p. 470; Gaz. vol. 135; p. 1280.
- Mitchell, F., and F. Gunn, Manchester, England. Clamp for securing planks of scaffolds together, applicable also for use in connection with planks for other purposes. No. 876,376; Jan. 14; Sp. p. 1363; Dr. p. 297; Gaz. vol. 132; p. 258.
- Mitchell, F. P. (See Thompson and Mitchell.)
- Mitchell, G., et al. (See Emenaker, J., assignor.)
- Mitchell, G. A., A. J., and E. E., London, England. Roadway. No. 876,377; Jan. 14; Sp. p. 1365; Gaz. vol. 132; p. 258.
- Mitchell, G. D., Chelsea, Mass., assignor to Swimming Pool Filtration Company. Water-purifying system for swimming-tanks. No. 883,467; Mar. 31; Sp. p. 5969; Dr. p. 1273; Gaz. vol. 133; p. 1100.
- Mitchell, G. L., Cornell, Ill. Transmission-gearing for automobiles. No. 896,034; Aug. 11; Sp. p. 2518; Dr. p. 545; Gaz. vol. 135; p. 1331.
- Mitchell, G. P., Galva, Ill. Window-blind. No. 881,433; Mar. 10; Sp. p. 1876; Dr. p. 408; Gaz. vol. 133; p. 343.
- Mitchell, G. W., et al. (See Crozier, T. W., assignor.)
- Mitchell, H. A. (See Mitchell, W. C. and H. A.)
- Mitchell, H. L., Stoneville, N. C. Non-refillable bottle. No. 894,222; July 28; Sp. p. 3860; Dr. p. 799; Gaz. vol. 135; p. 685.
- Mitchell, H. S., Wilton, Ark. Bottle. No. 884,284; Apr. 7; Sp. p. 1248; Dr. p. 262; Gaz. vol. 133; p. 1391.
- Mitchell, J., Auckland, New Zealand. Violin-mute. No. 881,480; Mar. 10; Sp. p. 1977; Dr. p. 431; Gaz. vol. 133; p. 359.
- Mitchell, J., Auckland, New Zealand. Violin-mute. No. 885,067; Apr. 21; Sp. p. 2856; Dr. p. 607; Gaz. vol. 133; p. 1707.
- Mitchell, J., Detroit, assignor to Mitchell Shoe-Lining Company, Royal Oak, Mich. Shoe lining, backstay, and counter. No. 876,473; Jan. 14; Sp. p. 1589; Dr. p. 341; Gaz. vol. 132; p. 291.
- Mitchell, J. A., Ludington, Mich. Pier or breakwater. No. 881,605; Mar. 10; Sp. p. 2212; Dr. p. 482; Gaz. vol. 133; p. 401.
- Mitchell, J. F. (See Mitchell, W. and J. F.)
- Mitchell, J. F., Topeka, Kans. Drill. No. 883,730; Apr. 7; Sp. p. 101; Dr. p. 17; Gaz. vol. 133; p. 1209.
- Mitchell, J. F., Topeka, Kans. Shoe-sole attachment. No. 891,090; June 16; Sp. p. 3848; Dr. p. 841; Gaz. vol. 134; p. 1734.
- Mitchell, J. H. (See Hook and Mitchell.)
- Mitchell, J. H., Philadelphia, Pa. Machine for sheeting dough. No. 893,005; July 14; Sp. p. 1263; Dr. p. 266; Gaz. vol. 135; p. 236.
- Mitchell, J. L., Schenectady, N. Y., assignor to General Electric Company. Insulated conductor. No. 905,554; Dec. 1; Sp. p. 899; Gaz. vol. 137; p. 1127.

Alphabetical list of patentees—Continued.

- Mitchell, J. N., assignor of two-thirds to J. W. Mitchell, Washington, D. C. Disinfecting apparatus. No. 903,154; Nov. 3; Sp. p. 1234; Gaz. vol. 137; p. 202.
- Mitchell, J. R., New York, N. Y. Guide. No. 906,543; Dec. 15; Sp. p. 2769; Gaz. vol. 137; p. 1503.
- Mitchell, J. W. (See Mitchell, J. N., assignor.)
- Mitchell, L. C. W., and J. A. Fretz, assignors of one-third to E. J. Mitchell, Philadelphia, Pa. Trolley. No. 884,750; Apr. 14; Sp. p. 2225; Dr. p. 470; Gaz. vol. 133; p. 1574.
- Mitchell, L. E. (See Noble and Mitchell.)
- Mitchell, L. T., Santa Margarita, Cal. Portable swinging derrick. No. 905,208; Dec. 1; Sp. p. 174; Gaz. vol. 137; p. 1012.
- Mitchell, M., Peoria, Ill. Corn-planter. No. 879,398; Feb. 18; Sp. p. 3086; Dr. p. 641; Gaz. vol. 132; p. 1413.
- Mitchell, O. R., Boston, Mass. Clutch. No. 905,209; Dec. 1; Sp. p. 175; Gaz. vol. 137; p. 1012.
- Mitchell, P., Rock Island, Ill. Inflatable bandage. No. 891,181; June 16; Sp. p. 4014; Dr. p. 880; Gaz. vol. 134; p. 1762.
- Mitchell, P. B. (See Williams, Mitchell, and Hathaway.)
- Mitchell, R. C., Fayetteville, Ark. Trousers-stretcher. No. 903,602; Nov. 10; Sp. p. 2145; Gaz. vol. 137; p. 381.
- Mitchell Reversible Window Company. (See Miller, G. J., assignor.)
- Mitchell, S. H., Sheffield, Vt. Hen's nest. No. 896,035; Aug. 11; Sp. p. 2519; Dr. pp. 545-6; Gaz. vol. 135; p. 1332.
- Mitchell Shoe-Lining Company. (See Mitchell, J., assignor.)
- Mitchell, T. E., Americus, Ga. Detonating toy. No. 881,702; Mar. 10; Sp. p. 2395; Dr. p. 520; Gaz. vol. 133; p. 430.
- Mitchell, T. E., and T. H. Tombyl, assignors to L. O. Grothe, trustee, Montreal, Canada. Decoricating apparatus. No. 882,766; Mar. 24; Sp. p. 4518; Dr. pp. 964-5; Gaz. vol. 133; p. 839.
- Mitchell, T. H., Clayton, Ind. Combined road grader, drag, &c. No. 897,124; Aug. 25; Sp. p. 4744; Dr. p. 1011; Gaz. vol. 135; p. 1733.
- Mitchell, T. J., Connellsville, Pa. Coke-oven. No. 899,886; Sept. 29; Sp. p. 5262; Dr. pp. 1125-6; Gaz. vol. 136; p. 983.
- Mitchell, T. J., and J. A. McCreary, Uniontown, Pa. Apparatus for coke-ovens. No. 891,355; June 23; Sp. p. 4399; Dr. p. 958; Gaz. vol. 134; p. 1853.
- Mitchell, T. J., and J. A. McCreary, Uniontown, Pa. Coke-oven apparatus. No. 891,850; June 30; Sp. p. 5436; Dr. pp. 1175-6; Gaz. vol. 134; p. 2049.
- Mitchell, W., *et al.* (See McKissick, E. R., assignor.)
- Mitchell, W. and J. F., Milwaukee, Wis. Carrier. No. 890,680; June 16; Sp. p. 3010; Dr. pp. 660-1; Gaz. vol. 134; p. 1600.
- Mitchell, W. A., Fitzgerald, Ga. Fertilizer-distributor. No. 880,561; Mar. 3; Sp. p. 132; Dr. p. 29; Gaz. vol. 133; p. 27.
- Mitchell, W. C. and H. A., Bloomville, N. Y. Harness-check. No. 906,907; Dec. 15; Sp. p. 3462; Gaz. vol. 137; p. 1617.
- Mitchell, W. D., Bayonne, N. J. Phonograph-disk-record holder. No. 895,655; Aug. 11; Sp. p. 1753; Dr. p. 371; Gaz. vol. 135; p. 1209.
- Mitchell, W. H., Yancy Mills, Mo. Brake. No. 901,633; Oct. 20; Sp. p. 3275; Dr. pp. 671-2; Gaz. vol. 136; p. 1646.
- Mitchell, W. H., assignor of one-half to C. C. Grosshans, Aurora, Nebr. Gate. No. 884,188; Apr. 7; Sp. p. 1083; Dr. p. 227; Gaz. vol. 133; p. 1361.
- Mitchell, W. H., assignor of two-thirds to A. H. and S. B. Field, Cambridge, Mass. Sliding door. No. 883,731; Apr. 7; Sp. p. 103; Dr. pp. 17-18; Gaz. vol. 133; p. 1209.
- Mitchell, W. H. and C. H., Leeds, England. Apparatus for stretching portions of fabrics. No. 907,081; Dec. 15; Sp. p. 3769; Gaz. vol. 137; p. 1671.
- Mitchell, W. J., assignor of one-half to N. W. Smith, Melrose Highlands, Mass. Sash-fastener. No. 892,537; July 7; Sp. p. 281; Dr. p. 62; Gaz. vol. 135; p. 53.
- Mitchell, W. R., New York, N. Y. Treating crucibles, &c. No. 894,845; Aug. 4; Sp. p. 85; Gaz. vol. 135; p. 915.
- Mitchell, W. W., Chicago, Ill. Saw. No. 903,603; Nov. 10; Sp. p. 2148; Gaz. vol. 137; p. 381.
- Mittasch, A. (See Bosch and Mittasch.)
- Mittell, H. J., assignor, by mesne assignments, to J. S. Billings, Jr., New York, N. Y. Portable container for gas-forming chemicals. No. 896,138; Aug. 18; Sp. p. 2700; Dr. p. 582; Gaz. vol. 135; p. 1385.
- Mittendorf, W. R., Dayton, Ohio. Dispensing apparatus. No. 899,124; Sept. 22; Sp. p. 3708; Dr. p. 795; Gaz. vol. 136; p. 700.
- Mittinger, G. Jr., Lakewood, Ohio. Washboard. No. 887,412; May 12; Sp. p. 2214; Dr. p. 463; Gaz. vol. 134; p. 382.
- Mittmann, W., Essen-West, Germany. Device for automatically locking doors of railway-cars while the train travels. No. 877,724; Jan. 28; Sp. p. 4165; Dr. p. 902; Gaz. vol. 132; p. 765.
- Mitton, G. H. (See Caine and Mitton.)
- Mix, A. H., assignor to Porter Screen Manufacturing Company, Burlington, Vt. Ventilator. No. 877,725; Jan. 28; Sp. p. 4166; Dr. p. 902; Gaz. vol. 132; p. 766.
- Mix, E. W. (See Rosenberg and Mix.)
- Mix, W. A., Walla Walla, Wash. Tire-armor. No. 905,555; Dec. 1; Sp. p. 901; Gaz. vol. 137; p. 1127.
- Mixon, H. S., *et al.* (See McMurry, E. H., assignor.)
- Moan, J. E., Vincennes, Ind. Whiffletree. No. 880,231; Feb. 25; Sp. p. 4843; Dr. p. 1024; Gaz. vol. 132; p. 1721.
- Moar, J. T., assignor of one-half to F. G. Shultz, Albany, Wis. Filing-machine. No. 893,186; July 14; Sp. p. 1621; Dr. p. 342; Gaz. vol. 135; p. 293.
- Moats, H. W. (See Janssen and Moats.)
- Moeborg, C. G., Keelerville, Saskatchewan, assignor of one-half to W. H. Gibson, Orillia, Canada. Dividers. No. 882,405; Mar. 17; Sp. p. 3810; Dr. p. 814; Gaz. vol. 133; p. 688.
- Mobley, E. H., Hillside, Pa. Turn-table for gramophone-machines. No. 891,356; June 23; Sp. p. 4401; Dr. p. 958; Gaz. vol. 134; p. 1853.
- Mobley, E. H., Hillside, Pa. Sound-box for talking-machines. No. 899,256; Sept. 22; Sp. p. 4008; Dr. p. 855; Gaz. vol. 136; p. 743.
- Mobley, H. E., Trafalgar, assignor of two-thirds to L. E. Slack, Franklin, and C. E. Ragsdale, Trafalgar, Ind. Wrench. No. 878,981; Feb. 11; Sp. p. 2250; Dr. p. 470; Gaz. vol. 132; p. 1238.
- Moburg, F. O., Omaha, Nebr. Apparatus for boiling lime and sulfur. No. 881,434; Mar. 10; Sp. p. 1877; Dr. p. 408; Gaz. vol. 133; p. 343.
- Mocetti, E. A., Paris, France. Reinforced girder. No. 893,640; July 21; Sp. p. 2572; Dr. p. 536; Gaz. vol. 135; p. 472.
- Moche, C. and K. A. Petersson, Nyköping, Sweden. Boiler and other furnace. No. 891,781; June 23; Sp. p. 5273; Dr. p. 1141; Gaz. vol. 134; p. 1995.
- Mock, C. P. (See Lash and Mock.)
- Mock, H., New York, N. Y. Heat-insulator. No. 903,878; Nov. 17; Sp. p. 2722; Gaz. vol. 137; p. 502.
- Mockbee, C. M., Cincinnati, Ohio. Rope-clip. No. 905,556; Dec. 1; Sp. p. 902; Gaz. vol. 137; p. 1127.
- Modjeski, R. (See Machalske, F. J., assignor.)
- Modlin, F. E., South Sioux, assignor to F. A. Wood, Dakota, Nebr. Lifting-jack. No. 893,931; July 21; Sp. p. 3229; Dr. p. 666; Gaz. vol. 135; p. 568.
- Modlin, T. B., assignor of two-thirds to H. Black and L. C. Schenimann, Hurdland, Mo. Rail-tie. No. 902,312; Oct. 27; Sp. p. 4697; Dr. p. 951; Gaz. vol. 136; p. 1897.
- Moë, S., Chicago, Ill. Belt or apron adjusting or shifting mechanism. No. 889,948; June 9; Sp. p. 1491; Dr. p. 339; Gaz. vol. 134; p. 1326.
- Moechel & Lowther Engineering Co. (See Lowther, B., assignor.)
- Moeller, A., Chicago, Ill. Magazine-revolver. No. 879,295; Feb. 18; Sp. p. 2883; Dr. p. 601; Gaz. vol. 132; p. 1381.
- Moench, F., Lesueur Center, Minn. Pole-socket. No. 902,673; Nov. 3; Sp. p. 273; Gaz. vol. 137; p. 47.
- Moerser, P., *et al.* (See Baum, J. B., assignor.)
- Moews, P., Detroit, Mich. Eyeglasses. No. 893,641; July 21; Sp. p. 2576; Dr. p. 536; Gaz. vol. 135; p. 473.
- Moff, H. R., Salem, Ohio. Hand-truck. No. 890,290; June 9; Sp. p. 2226; Dr. p. 489; Gaz. vol. 134; p. 1441.
- Moffatt, M. R., and H. S. Spira, Providence, R. I. Brown sulfur dye and making same. No. 886,532; May 5; Sp. p. 376; Gaz. vol. 134; p. 69.
- Moffatt, R. R., New York, N. Y., assignor to Imperial Ore Separator Company. Magnetic ore-separator. No. 882,158; Mar. 17; Sp. p. 3335; Dr. pp. 711-12; Gaz. vol. 133; p. 607.
- Moffitt, A. A., Providence, R. I. Lamp-receptacle. No. 889,322; June 2; Sp. p. 252; Dr. p. 61; Gaz. vol. 134; p. 1099.
- Moffitt, E. R., assignor to Imperial Gas Engine Co., San Francisco, Cal. Electric sparking device for gas-engines. No. 878,412; Feb. 4; Sp. p. 1044; Dr. p. 211; Gaz. vol. 132; p. 1020.
- Moffitt, J. R., Denver, Colo. Fume-condensing apparatus. No. 882,073; Mar. 17; Sp. p. 3197; Dr. pp. 679-80; Gaz. vol. 133; p. 582.
- Moffitt, J. R., Denver, Colo. Rotary-retort furnace. No. 895,656; Aug. 11; Sp. p. 1756; Dr. pp. 371-3; Gaz. vol. 135; p. 1209.
- Mogensen, F. (See Hansen, H. A., assignor.)
- Mognet, C. N., Trent, Pa. Gate. No. 898,060; Sept. 8; Sp. p. 1702; Dr. pp. 360-1; Gaz. vol. 136; p. 297.
- Mogridge, W. J., Spokane, Wash. Combined blotter-holder and ruler. No. 890,312; Aug. 18; Sp. p. 3045; Dr. p. 655; Gaz. vol. 135; p. 1442.
- Mohan, F. J., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 891,357; June 23; Sp. p. 4402; Dr. p. 958; Gaz. vol. 134; p. 1853.
- Mohme, G., and A. V. Hadlock, Chicago, Ill. Tire-tool. No. 897,841; Sept. 1; Sp. p. 1221; Dr. pp. 260-1; Gaz. vol. 136; p. 194.
- Mohn, F., *et al.* (See Shank, A. W., assignor.)
- Mohns, C. J., Chemnitz, assignor to Wanderer Fahrradwerke vorm. Winklhofer & Faenicke A. G., Schöna, near Chemnitz, Germany. Spacing device for type-writing machines. No. 892,964; July 7; Sp. p. 1151; Dr. p. 242; Gaz. vol. 135; p. 193.

Alphabetical list of patentees—Continued.

- Mohr, E., Milwaukee, Wis., assignor to National Enameling and Stamping Company. Reinforced neck for milk-cans. No. 882,504; Mar. 17; Sp. p. 3979; Dr. p. 850; Gaz. vol. 133; p. 720.
- Mohr, E., Milwaukee, Wis., assignor to National Enameling and Stamping Company. Water-cooler. No. 900,678; Oct. 6; Sp. p. 1309; Dr. p. 268; Gaz. vol. 136; p. 1274.
- Mohr, J., and C. Mosch, Milwaukee, Wis. Folding table. No. 905,342; Dec. 1; Sp. p. 417; Gaz. vol. 137; p. 1055.
- Mohr, M. (See Gribben and Mohr.)
- Mohr, M. F., Plantsville, Conn. Handle-fastener. No. 895,389; Aug. 4; Sp. p. 1219; Dr. p. 257; Gaz. vol. 135; p. 1098.
- Mohr, W., Oklahoma, Okla. Tongue-truck. No. 888,251; May 19; Sp. p. 3839; Dr. pp. 806-7; Gaz. vol. 134; p. 687.
- Moin, E. (See Johnson and Moin.)
- Moir, E. W., *et al.* (See Vandevort, F. F., assignor.)
- Moir, E. W., Westminster, England. Means for breaking, digging, or loosening material to be dredged or excavated. No. 908,415; Dec. 29; Sp. p. 6598; Gaz. vol. 137; p. 2184.
- Moir, J., Bristol, S. D. Churn. No. 886,836; May 5; Sp. p. 1017; Dr. p. 213; Gaz. vol. 134; p. 167.
- Molash, A., Kennebec, S. D. Stirrup-attaching device. No. 887,492; May 12; Sp. p. 2386; Dr. p. 502; Gaz. vol. 134; p. 410.
- Mold, J., Sunrise, Minn. Potato-digger. No. 876,075; Jan. 7; Sp. p. 767; Dr. pp. 163-4; Gaz. vol. 132; p. 130.
- Moldenhauer, O. A., Watertown, Wis. Cow-milker. No. 887,212; May 12; Sp. p. 1713; Dr. p. 364; Gaz. vol. 134; p. 314.
- Moldenhauer, W. E., Wild Rose, Wis. vine-cutter. No. 882,333; Mar. 17; Sp. p. 3691; Dr. p. 784; Gaz. vol. 133; p. 665.
- Molder, H. M., Bedford, Ohio. Mold-making machine. No. 890,919; June 16; Sp. p. 3504; Dr. pp. 767-8; Gaz. vol. 134; p. 1678.
- Moldon, T. J., E. Peterborough, Ontario, Canada. Explosion-engine. No. 895,099; Aug. 4; Sp. p. 644; Dr. p. 135; Gaz. vol. 135; p. 1001.
- Mole, A., Fordsburg, Transvaal. Device for balancing sashes. No. 878,983; Feb. 11; Sp. p. 2253; Dr. p. 471; Gaz. vol. 132; p. 1238.
- Moledezyk, L. (See Hammond, L. W., assignor.)
- Molenaar, W., Paterson, N. J. Bill-file. No. 883,468; Mar. 21; Sp. p. 5970; Dr. p. 1274; Gaz. vol. 133; p. 1100.
- Moler, R. H., Washington, D. C. Limekiln. No. 886,837; May 5; Sp. p. 1018; Dr. p. 214; Gaz. vol. 134; p. 167.
- Moles, S. D., *et al.* (See Stoneman, O. A., assignor.)
- Moles, S. S., *et al.* (See Stoneman, O. A., assignor.)
- Molesworth, H. B., and C. E. Masterman, London, England. Motor-driven vehicle. No. 907,847; Dec. 29; Sp. p. 5389; Gaz. vol. 137; p. 1992.
- Molesworth, J. E. (See Horton and Molesworth.)
- Molinar, S., Chihuahua, Mexico. Feed and delivery attachment for printing-presses. No. 876,987; Jan. 21; Sp. p. 2665; Dr. pp. 579-80; Gaz. vol. 132; p. 503.
- Molinari, E., assignor to Società in Partecipazione per la Combustione Liquida, Genoa, Italy. Hydrocarbon-burner. No. 885,357; Apr. 21; Sp. p. 3488; Dr. p. 727; Gaz. vol. 133; p. 1804.
- Moline, C. A., Bancroft, Iowa. Sliding-door fastener. No. 888,342; May 19; Sp. p. 4011; Dr. p. 847; Gaz. vol. 134; p. 715.
- Molitor, C., South Milwaukee, Wis. Cuspidor carrier and dumper. No. 887,213; May 12; Sp. p. 1715; Dr. p. 365; Gaz. vol. 134; p. 314.
- Moll, P. J., Los Angeles, Cal. Meat-broiler. No. 895,657; Aug. 11; Sp. p. 1760; Dr. p. 373; Gaz. vol. 135; p. 1210.
- Moll, P. J., Los Angeles, Cal. Garment-supporter. No. 895,658; Aug. 11; Sp. p. 1761; Dr. p. 373; Gaz. vol. 135; p. 1210.
- Möller, L. (See Staples and Möller.)
- Möller, W., Hamburg, Germany. Tubular boiler. No. 876,378; Jan. 14; Sp. p. 1366; Dr. pp. 297-8; Gaz. vol. 132; p. 258.
- Molloy, E., Philadelphia, Pa. Railway-track. No. 900,188; Oct. 6; Sp. p. 246; Dr. p. 50; Gaz. vol. 136; p. 1112.
- Molloy, J. F., West Haven, Conn. Garment-supporter clasp. No. 897,299; Sept. 1; Sp. p. 57; Dr. p. 14; Gaz. vol. 136; p. 13.
- Molloy, L. J., Buffalo, N. Y. Set-screw. No. 907,160; Dec. 22; Sp. p. 3944; Gaz. vol. 137; p. 1733.
- Molloy, W. H., Hicksville, N. Y. Illuminating device. No. 902,313; Oct. 27; Sp. p. 4698; Dr. p. 951; Gaz. vol. 136; p. 1898.
- Molnar, A., Pittsburg, Pa. Trolley. No. 891,712; June 23; Sp. p. 5142; Dr. p. 1111; Gaz. vol. 134; p. 1971.
- Molnar, A. G., Jr., Cleveland, Ohio. Oyster-opener. No. 904,000; Nov. 17; Sp. p. 2970; Gaz. vol. 137; p. 543.
- Moltane, C. A., El Paso, Tex. Polish-bottle and a combined stopper and dauber therefor. No. 892,284; June 30; Sp. p. 6278; Dr. p. 1352; Gaz. vol. 134; p. 2191.
- Moltrup, J. T., S., and W., assignors to Standard Gauge Steel Company, Beaver Falls, Pa. Metal-drawing apparatus. No. 886,717; May 5; Sp. p. 780; Dr. p. 160; Gaz. vol. 134; p. 130.
- Moltrup, S. (See Moltrup, J. T., S., and W.)
- Moltrup, W. (See Moltrup, J. T., S., and W.)
- Molyneux Auto-Mailing Machine Company. (See Molyneux, B. S., assignor.)
- Molyneux, B. S., Buffalo, N. Y., assignor to Molyneux Auto-Mailing Machine Company, Pierre, S. D. Addressing-machine. No. 888,343; May 19; Sp. p. 4012; Dr. p. 848; Gaz. vol. 134; p. 715.
- Momberg, C., Chicago, Ill. Matched flooring. No. 890,436; June 9; Sp. p. 2500; Dr. p. 553; Gaz. vol. 134; p. 1488.
- Mommert, E. S. (See Dixon and Mommert.)
- Mommert, Wolf & Dixon Co. (See Dixon and Mommert, assignors.)
- Monarch Manufacturing Co. (See Lanzendorfer, G., assignor.)
- Monahan, F. J., Joliet, Ill. Excavating-machine. No. 883,821; Apr. 7; Sp. p. 290; Dr. pp. 54-5; Gaz. vol. 133; p. 1239.
- Monahan, L. J., assignor to Termaat & Monahan Co., Oshkosh, Wis. Locomotive. No. 895,407; Aug. 4; Sp. p. 1255; Dr. p. 265; Gaz. vol. 135; p. 1104.
- Monahan, L. J., assignor to two-thirds to J. D. Termaat and M. L. Cottrill, Oshkosh, Wis. Speed and power controlling mechanism. No. 887,413; May 12; Sp. p. 2215; Dr. p. 464; Gaz. vol. 134; p. 383.
- Monahan, L. J., and C. Kieren, Oshkosh, Wis., assignors to Oshkosh Grass Matting Company. Machine for making twine. No. 896,655; Aug. 18; Sp. p. 3711; Dr. pp. 799-800; Gaz. vol. 135; p. 1552.
- Monarch Coupler Company. (See Ilitchcock, D. A., assignor.)
- Monarch Manufacturing Company. (See Dykema, F. L., assignor.)
- Monarch Manufacturing Company. (See Lewis, L. C., assignor.)
- Monarch Seal Company. (See Schmitt, E. D., assignor.)
- Monarch Specialty Manufacturing Company. (See Lewis, L. C., assignor.)
- Monarch Telephone Manufacturing Co. (See Corwin, E. R., assignor.)
- Monarch Telephone Manufacturing Co. (See Yaxley, E. E., assignor.)
- Monarch Telephone Manufacturing Company. (See Fricke, W. A., assignor.)
- Monarch Typewriter Company. (See Barney, E. E., assignor.)
- Monarch Typewriter Company. (See Barney and Steele, assignors.)
- Monarch Typewriter Company. (See Bond, C. J., assignor.)
- Monarch Typewriter Company. (See Brand, G. B., assignor.)
- Monarch Typewriter Company. (See Coe, T. J., assignor.)
- Monarch Typewriter Company. (See Hennessy, J. B., assignor.)
- Monarch Typewriter Company. (See Merritt, H. W., assignor.)
- Monarch Typewriter Company. (See Morey, C. A., assignor.)
- Monarch Typewriter Company. (See Nielsen, S., assignor.)
- Monarch Typewriter Company. (See Pool, M. W., assignor.)
- Monarch Typewriter Company. (See Seib, G. A., assignor.)
- Monarch Typewriter Company. (See Steele, H. H., assignor.)
- Monarch Typewriter Company. (See Young, F. A., assignor.)
- Monash-Younger Company. (See Collis, J., assignor.)
- Monash-Younger Company. (See Lethessier, F. W., assignor.)
- Monard, A., H. Dumartin, and B. A. Montier, Paris, France. Apparatus for working and interlocking switch-points and signals for railways. No. 878,552; Feb. 11; Sp. p. 1402; Dr. pp. 287-9; Gaz. vol. 132; p. 1100.
- Monasch, B., Berlin, Germany, assignor to General Electric Company. Arc-light electrode. No. 905,557; Dec. 1; Sp. p. 902; Gaz. vol. 137; p. 1127.
- Moncrief, J. T., Montgomery, Ala. Advertising device. No. 880,809; Mar. 3; Sp. p. 647; Dr. p. 136; Gaz. vol. 133; p. 112.
- Mond, L., London, England. Charging device for furnaces, receiving vessels, or the like. No. 891,713; June 23; Sp. p. 5143; Dr. p. 1111; Gaz. vol. 134; p. 1971.
- Monday, A. M., Knoxville, Tenn. Mixer. No. 906,908; Dec. 15; Sp. p. 3463; Gaz. vol. 137; p. 1617.
- Monell, S. F., Boulder, Colo. Fly-paper holder. No. 906,646; Dec. 15; Sp. p. 2953; Gaz. vol. 137; p. 1534.
- Monen, H. G. (See Hight, A. W., assignor.)
- Monette, J. B., Providence, R. I. Counter-protecting device for stores, &c. No. 878,147; Feb. 4; Sp. p. 498; Dr. p. 106; Gaz. vol. 132; p. 931.
- Monette, J. B., Providence, R. I. Belt conveyer system. No. 890,292; June 9; Sp. p. 2230; Dr. pp. 490-1; Gaz. vol. 134; p. 1442.
- Monheimer, M. L. (See Ericson, C. V., assignor.)
- Monighan Machine Company. (See Martinson, O. J., assignor.)
- Moninghoff, W. J., Philadelphia, Pa. Siphonic dredge. No. 886,390; May 5; Sp. p. 96; Dr. p. 20; Gaz. vol. 134; p. 21.

Alphabetical list of patentees—Continued.

- Monitor Manufacturing Company of Baltimore City. (See O'Brien, W. C., assignor.)
 Monitory Scale Company. (See Marer, H., assignor.)
 Monk, W. J., assignor to G. Hattersley and Sons Limited, Keighley, England. Flange for warp-beams. No. 900,294; Oct. 6; Sp. p. 478; Dr. pp. 98-9; Gaz. vol. 136; p. 1147.
 Monmouth Acetylene-Electric Manufacturing Company. (See Nickel, F. C., assignor.)
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Apparatus for producing compound metal bodies. No. 878,984; Feb. 11; Sp. p. 2254; Dr. p. 471; Gaz. vol. 132; p. 1239.
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Copper-clad iron and steel. No. 893,932; July 21; Sp. p. 3230; Gaz. vol. 135; p. 568.
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Compound metal body and producing same. No. 893,933; July 21; Sp. p. 3234; Dr. p. 666; Gaz. vol. 135; p. 569.
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Compound metal body and producing same. No. 894,162; July 21; Sp. p. 3706; Dr. p. 769; Gaz. vol. 135; p. 644.
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Compound metal body and producing same. No. 894,163; July 21; Sp. p. 3711; Dr. p. 769; Gaz. vol. 135; p. 645.
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Compound metal body and producing same. No. 894,164; July 21; Sp. p. 3715; Dr. p. 769; Gaz. vol. 135; p. 645.
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Making bimetallic ingots, plates, sheets, tubes, wires, and like products. No. 897,842; Sept. 1; Sp. p. 1222; Dr. p. 261; Gaz. vol. 136; p. 194.
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Furnace. No. 901,986; Oct. 27; Sp. p. 4036; Dr. pp. 818-19; Gaz. vol. 136; p. 1793.
 Monnot, J. F., assignor to Duplex Metals Company, New York, N. Y. Process of and apparatus for making compound metal objects. No. 905,558; Dec. 1; Sp. p. 903; Gaz. vol. 137; p. 1127.
 Mono-Cycle Gas Engine and Manufacturing Company. (See Litchfield, C. T., assignor.)
 Mono Service Vessels, Limited. (See Taylor, E. Z., assignor.)
 Monolithic Duct Company. (See Boyle, J. M., assignor.)
 Monroe, F. A., Bemus Point, and B. W. Seymour, Falconer, N. Y. Device for cleaning oil-wells. No. 884,675; Apr. 14; Sp. p. 2074; Dr. p. 443; Gaz. vol. 133; p. 1548.
 Monroe, J. B., Denver, Colo. Adjustable button for boot and shoe lasts. No. 887,214; May 12; Sp. p. 1716; Dr. p. 365; Gaz. vol. 134; p. 314.
 Monroe, M. (See Burke, J. J., assignor.)
 Monson, J., New York, N. Y. Tobacco-pipe. No. 904,633; Nov. 24; Sp. p. 4309; Gaz. vol. 137; p. 784.
 Monson, O. J., Chicago, Ill. Floss-holder attachment for tooth-brushes. No. 893,345; July 14; Sp. p. 1921; Dr. p. 403; Gaz. vol. 135; p. 346.
 Monson, T., Cynthia, Ky. Gate-hinge. No. 880,902; Mar. 3; Sp. p. 850; Dr. p. 181; Gaz. vol. 133; p. 143.
 Montagnet, E. (See Couret, J. S., assignor.)
 Montague, C. D., Jamestown, N. Y. Sheet-metal cabinet. No. 893,187; July 14; Sp. p. 1622; Dr. p. 342; Gaz. vol. 135; p. 294.
 Montague, D. P. (See Lyle and Owens, assignors.)
 Montague, D. P. (See Owens and Lyle, assignors.)
 Montague, E. L. (See Collins, W. L., assignor.)
 Montambo, D. J., Marinette, Wis. Stovepipe and chimney cleaner. No. 877,215; Jan. 21; Sp. p. 3173; Dr. p. 688; Gaz. vol. 132; p. 582.
 Montambo, D. J., Pentoga, Mich. Brake-wheel. No. 901,634; Oct. 20; Sp. p. 3277; Dr. p. 672; Gaz. vol. 136; p. 1646.
 Montanye, S. S., Canton, Pa. Filter. No. 880,685; Mar. 3; Sp. p. 334; Dr. p. 84; Gaz. vol. 133; p. 68.
 Montbarbon, C. M. P., Paris, France. Means for regulating the supply of electric currents. No. 896,227; Aug. 18; Sp. p. 2870; Dr. p. 618; Gaz. vol. 135; p. 1416.
 Montbarbon, P. C. M., Paris, France. Automobile-goggles. No. 894,972; Aug. 4; Sp. p. 400; Dr. p. 86; Gaz. vol. 135; p. 958.
 Montgomery, C. J., Rock Ferry, England. Petrol or gas internal-combustion or steam engine driving-gear. No. 905,823; Dec. 1; Sp. p. 1403; Gaz. vol. 137; p. 1213.
 Montgomery, E., Syracuse, Nebr. Clothes-hanger. No. 896,139; Aug. 18; Sp. p. 2701; Dr. p. 583; Gaz. vol. 135; p. 1385.
 Montgomery, E. A. (See Shaffer and Montgomery.)
 Montgomery, H. M., Chicago, Ill. Rotary air-pump. No. 898,493; Sept. 15; Sp. p. 2526; Dr. p. 541; Gaz. vol. 136; p. 467.
 Montgomery, J., and R. Reed, Philadelphia, Pa. Door-hanger. No. 885,633; Apr. 21; Sp. p. 4025; Dr. p. 840; Gaz. vol. 133; p. 1888.
 Montgomery, J. W., assignor to S. J. Montgomery, Columbus, Ohio. Air-ship. No. 881,327; Mar. 10; Sp. p. 1666; Dr. pp. 357-8; Gaz. vol. 133; p. 310.
 Montgomery, S., Loogootee, Ind. Combined gate hinge and latch. No. 890,368; June 9; Sp. p. 2376; Dr. p. 524; Gaz. vol. 134; p. 1465.
 Montgomery, S. D., et al. (See Silvey, G. F., assignor.)
 Montgomery, S. J. (See Montgomery, J. W., assignor.)
 Montgomery, T. F. (See Wade and Montgomery.)
 Montgomery, W. R., Shreveport, La. Folding table. No. 902,245; Oct. 27; Sp. p. 4546; Dr. p. 922; Gaz. vol. 136; p. 1874.
 Monti, E., Turin, Italy. Apparatus for concentrating solutions. No. 893,006; July 14; Sp. p. 1265; Dr. pp. 266-7; Gaz. vol. 135; p. 236.
 Montross, L. H., Camden, N. J. Burial-casket carrier. No. 878,985; Feb. 11; Sp. p. 2256; Dr. pp. 471-2; Gaz. vol. 132; p. 1239.
 Montz, W. J. (See Barr and Montz.)
 Moor, J. F. (See Hill, W. S., assignor.)
 Moock, P. E., Sheridan, assignor to Pittsburgh Gage & Supply Company, Pittsburg, Pa. Apparatus for treating waste oil. No. 886,918; May 5; Sp. p. 784; Dr. p. 161; Gaz. vol. 134; p. 131.
 Moody, J. N., South Boston, Va. Ventilating-canopy for beds. No. 899,257; Sept. 22; Sp. p. 4010; Dr. p. 856; Gaz. vol. 136; p. 744.
 Moody, T. P., Chicago, Ill. Combined cigar-tip cutter and lighter. No. 878,082; Feb. 4; Sp. p. 335; Dr. p. 80; Gaz. vol. 132; p. 910.
 Moody, W. S., Schenectady, N. Y., assignor to General Electric Company. Transformer for electric vehicles. No. 876,988; Jan. 21; Sp. p. 2670; Dr. pp. 580-1; Gaz. vol. 132; p. 503.
 Moody, W. S., Schenectady, N. Y., assignor to General Electric Company. Cooling system for electric-railway apparatus. No. 877,467; Jan. 21; Sp. p. 3638; Dr. p. 788; Gaz. vol. 132; p. 661.
 Mooers, L. P., Cleveland, Ohio. Carburetor. No. 898,494; Sept. 15; Sp. p. 2528; Dr. pp. 541-2; Gaz. vol. 136; p. 468.
 Mooers, L. P., Cleveland, Ohio. Carburetor. No. 898,495; Sept. 15; Sp. p. 2531; Dr. p. 542; Gaz. vol. 136; p. 468.
 Moomaw, H. E., Salem, Va. Sheet metal roofing. No. 884,285; Apr. 7; Sp. p. 1249; Dr. p. 262; Gaz. vol. 133; p. 1391.
 Moon, F. D., Edgewater, N. J. Ventilator-sash mechanism. No. 901,544; Oct. 20; Sp. p. 3105; Dr. p. 634; Gaz. vol. 136; p. 1618.
 Moon, G. R., Cleveland, Ohio. Oven. No. 888,108; May 19; Sp. p. 3589; Dr. p. 751; Gaz. vol. 134; p. 641.
 Moon, G. R., Cleveland, Ohio. Stove. No. 888,109; May 19; Sp. p. 3590; Dr. p. 752; Gaz. vol. 134; p. 641.
 Moon-Hopkins Billing Machine Company. (See Hopkins, W. W., assignor.)
 Moon, R. D., San Angelo, Tex. Well-drilling apparatus. No. 901,182; Oct. 13; Sp. p. 2299; Dr. p. 470; Gaz. vol. 136; p. 1461.
 Moon, R. D., and G. N. Chamberlain, San Angelo, Tex. Road grader and scraper. No. 905,904; Dec. 8; Sp. p. 1571; Gaz. vol. 137; p. 1270.
 Moon, W. A. (See Wilson, G. H., assignor.)
 Moon, W. T., Baltimore, Md., assignor to Allis-Chalmers Company. Signal apparatus. No. 900,679; Oct. 6; Sp. p. 1310; Dr. p. 269; Gaz. vol. 136; p. 1274.
 Moonen, E., Paris, France. Roller-bearing. No. 892,866; July 7; Sp. p. 948; Dr. p. 199; Gaz. vol. 135; p. 159.
 Moonen, E., and A. Dumaire, Paris, France. Sparking plug. No. 892,285; June 30; Sp. p. 6279; Dr. p. 1352; Gaz. vol. 134; p. 2192.
 Moonert, F. A., and H. K. Whitner, Chicago, Ill. Card-case. No. 887,953; May 19; Sp. p. 3285; Dr. p. 691; Gaz. vol. 134; p. 591.
 Mooney, E. D., Weston, W. Va. Glass-tile-molding apparatus. No. 904,795; Nov. 24; Sp. p. 4665; Gaz. vol. 137; p. 838.
 Mooney, F. H., Chicago, Ill. Self-filling fountain-pen. No. 879,296; Feb. 18; Sp. p. 2886; Dr. p. 602; Gaz. vol. 132; p. 1381.
 Mooney, H. E., Hastings, England. Instrument for use in navigation. No. 878,819; Feb. 11; Sp. p. 1949; Dr. p. 403; Gaz. vol. 132; p. 1187.
 Mooney, J. W., Lawton, Okla. Rotary engine. No. 888,344; May 19; Sp. p. 4023; Dr. pp. 848-9; Gaz. p. 134; p. 716.
 Moore, A. B., Middlesboro, Ky. Penholder. No. 891,851; June 30; Sp. p. 5441; Dr. p. 1176; Gaz. vol. 134; p. 2049.
 Moore, A. D., Needles, Cal. Crude-oil burner. No. 900,112; Oct. 6; Sp. p. 86; Dr. p. 17; Gaz. vol. 136; p. 1087.
 Moore, A. R., Charlotte, Mich. Coin-separator. No. 899,550; Sept. 29; Sp. p. 4561; Dr. p. 980; Gaz. vol. 136; p. 873.
 Moore, A. T., New Orleans, La. Measuring-mold. No. 883,898; Apr. 7; Sp. p. 463; Dr. p. 91; Gaz. vol. 133; p. 1265.
 Moore, A. T., New Orleans, La. Adjustable suspender-connector. No. 883,899; Apr. 7; Sp. p. 464; Dr. p. 91; Gaz. vol. 133; p. 1266.
 Moore, A. T., New Orleans, La. Manifold device. No. 883,900; Apr. 7; Sp. p. 465; Dr. pp. 91-2; Gaz. vol. 133; p. 1266.
 Moore, C., Becker, Minn. Grain-car door. No. 879,976; Feb. 25; Sp. p. 4321; Dr. p. 904; Gaz. vol. 132; p. 1636.
 Moore, C. A., St. Paul, Minn., assignor to Moore Patent Car Co. Refrigerator-car. No. 896,313; Aug. 18; Sp. p. 3047; Dr. pp. 655-6; Gaz. vol. 135; p. 1442.
 Moore, C. A., Los Angeles, and E. Barrow, Cahuenga, Cal. Aerial navigation. No. 892,606; July 7; Sp. p. 401; Dr. p. 89; Gaz. vol. 135; p. 74.
 Moore, C. B., Evanston, Ill. Front arch for narrow locomotive-furnaces. No. 904,211; Nov. 17; Sp. p. 3425; Gaz. vol. 137; p. 616.
 Moore, C. B., Evanston, Ill. Arch for locomotive-furnaces. No. 904,494; Nov. 17; Sp. p. 4033; Gaz. vol. 137; p. 710.
 Moore, C. D., South Bend, Wash. Logging-jack. No. 902,987; Nov. 3; Sp. p. 924; Gaz. vol. 137; p. 152.

Alphabetical list of patentees—Continued.

- Moore, C. E., Los Angeles, Cal. Electric signal for elevators. No. 880,152; Feb. 25; Sp. p. 4671; Dr. p. 984; Gaz. vol. 132; p. 1693.
- Moore, C. E., Los Angeles, Cal. Elevator indicating system. No. 885,941; Apr. 28; Sp. p. 4683; Dr. p. 986; Gaz. vol. 133; p. 2020.
- Moore, C. E., Los Angeles, Cal. Safety flash-light apparatus for elevators. No. 885,942; Apr. 28; Sp. p. 4686; Dr. p. 987; Gaz. vol. 133; p. 2021.
- Moore, C. F. (See Ragsdale, W. C., assignor.)
- Moore, C. H., New York, N. Y. Water-closet-outlet connection. No. 879,399; Feb. 18; Sp. p. 3088; Dr. p. 642; Gaz. vol. 132; p. 1414.
- Moore, C. S., Lexington, Ky. Automatic high and low boiler-pressure alarm. No. 877,581; Jan. 28; Sp. p. 3904; Dr. p. 845; Gaz. vol. 132; p. 720.
- Moore, C. T., Colt, Ark. Railway cross-tie. No. 897,918; Sept. 8; Sp. p. 1399; Dr. p. 298; Gaz. vol. 136; p. 252.
- Moore, C. W., Vancouver, Wash. Pneumatic pump. No. 905,210; Dec. 1; Sp. p. 178; Gaz. vol. 137; p. 1012.
- Moore, C. W., Vancouver, Wash. Air-compressor. No. 905,211; Dec. 1; Sp. p. 180; Gaz. vol. 137; p. 1013.
- Moore Carving Machine Co. (See Yarnell, C. S., assignor.)
- Moore, D. A., Harvey, Ill. Rail-drilling machine. No. 885,943; Apr. 28; Sp. p. 4688; Dr. pp. 987-8; Gaz. vol. 133; p. 2022.
- Moore, D. A., Kalamazoo, Mich. Track-drill. No. 885,944; Apr. 28; Sp. p. 4694; Dr. p. 988; Gaz. vol. 133; p. 2022.
- Moore, D. A., Kalamazoo, Mich. Drilling-machine. No. 885,945; Apr. 28; Sp. p. 4698; Dr. p. 989; Gaz. vol. 133; p. 2023.
- Moore, D. A., Kalamazoo, Mich. Chuck. No. 885,946; Apr. 28; Sp. p. 4703; Dr. p. 989; Gaz. vol. 133; p. 2023.
- Moore, D. M., Newark, N. J., assignor to Moore Electrical Co., New York, N. Y. Glass-blower's clamp. No. 877,105; Jan. 21; Sp. p. 2919; Dr. pp. 631-2; Gaz. vol. 132; p. 542.
- Moore, D. M., Newark, N. J., assignor to Moore Electrical Company, New York, N. Y. Vacuum-tube lighting. No. 895,485; Aug. 11; Sp. p. 1429; Dr. p. 300; Gaz. vol. 135; p. 1153.
- Moore, D. M., Newark, N. J., assignor to Moore Electrical Company, New York, N. Y. Vacuum-tube apparatus. No. 895,486; Aug. 11; Sp. p. 1431; Dr. p. 300; Gaz. vol. 135; p. 1154.
- Moore, D. M., Newark, N. J., assignor to Moore Electrical Company, New York, N. Y. Vacuum-tube apparatus. No. 895,487; Aug. 11; Sp. p. 1432; Dr. p. 300; Gaz. vol. 135; p. 1154.
- Moore, D. M., Newark, N. J., assignor to Moore Electrical Company, New York, N. Y. Vacuum-tube electric apparatus. No. 907,161; Dec. 22; Sp. p. 3945; Gaz. vol. 137; p. 1733.
- Moore, D. P. (See Beale and Moore.)
- Moore, D. P., Washington, D. C. Dampening-machine. No. 882,334; Mar. 17; Sp. p. 3692; Dr. pp. 784-5; Gaz. vol. 133; p. 666.
- Moore, D. P., Washington, D. C. Dredging apparatus. No. 890,245; June 9; Sp. p. 2116; Dr. p. 464; Gaz. vol. 134; p. 1427.
- Moore, D. P., Washington, D. C. Dredging apparatus. No. 893,743; July 21; Sp. p. 2856; Dr. p. 586; Gaz. vol. 135; p. 507.
- Moore, D. P., Washington, D. C. Basket and hamper. No. 904,142; Nov. 17; Sp. p. 3265; Gaz. vol. 137; p. 592.
- Moore, D. P., Washington, D. C., assignor to H. Kohnstamm & Company, New York, N. Y. Laundry-bag. No. 893,934; July 21; Sp. p. 3239; Dr. p. 666; Gaz. vol. 135; p. 569.
- Moore, E., Philadelphia, Pa. Carton. No. 888,026; May 19; Sp. p. 3425; Dr. p. 719; Gaz. vol. 134; p. 615.
- Moore, E. B., Los Angeles, Cal. Flash-light for photographic use. No. 902,430; Oct. 27; Sp. p. 4953; Dr. p. 1000; Gaz. vol. 136; p. 1937.
- Moore, E. H. (See Sharpneck, F. A., assignor.)
- Moore, E. Y., Cleveland, Ohio. Hoist. No. 878,226; Feb. 4; Sp. p. 685; Dr. p. 141; Gaz. vol. 132; p. 957.
- Moore, E. Y., Cleveland, Ohio. Mechanism for locking trolleys. No. 878,484; Feb. 4; Sp. p. 1208; Dr. p. 249; Gaz. vol. 132; p. 1044.
- Moore, E. Y., Cleveland, Ohio. Hoist. No. 882,262; Mar. 17; Sp. p. 3554; Dr. p. 753; Gaz. vol. 133; p. 641.
- Moore Electrical Company. (See Moore, D. M., assignor.)
- Moore, F. B., Detroit, Mich. Knockdown sectional bookcase. No. 875,722; Jan. 7; Sp. p. 85; Dr. p. 18; Gaz. vol. 132; p. 19.
- Moore, F. M., assignor to International Generator Company, Westfield, Mass. Lighting device or torch. No. 902,504; Oct. 27; Sp. p. 5127; Dr. p. 1038; Gaz. vol. 136; p. 1962.
- Moore, F. T., Geyserville, Cal. Bridle-blind. No. 887,338; May 12; Sp. p. 2050; Dr. p. 429; Gaz. vol. 134; p. 359.
- Moore, F. W. (See Crippen, W. R., assignor.)
- Moore, F. W., Pittsburg, Pa. Lock for switch-levers. No. 881,703; Mar. 10; Sp. p. 2396; Dr. p. 520; Gaz. vol. 133; p. 431.
- Moore, F. W., Millbury, assignor to Draper Company, Hopedale, Mass. Bobbin-stripper for welt-replenishing looms. No. 890,865; June 16; Sp. p. 3393; Dr. p. 744; Gaz. vol. 134; p. 1661.
- Moore, G. A. (See Warren, W. S., assignor.)
- Moore, G. D., Worcester, Mass. Protecting device for tires. No. 890,785; June 16; Sp. p. 3248; Dr. p. 710; Gaz. vol. 134; p. 1636.
- Moore, G. H., Boston, Mass. Temporary binder. No. 905,559; Dec. 1; Sp. p. 907; Gaz. vol. 137; p. 1128.
- Moore, G. T. (See Moore, J. T. and G. T.)
- Moore, G. W., Parsons, Kans. Incubator. No. 890,081; June 9; Sp. p. 1772; Dr. p. 392; Gaz. vol. 134; p. 1372.
- Moore, H. A., Salado, Tex. Combined animal-trap and chicken-coop. No. 904,348; Nov. 17; Sp. p. 3272; Gaz. vol. 137; p. 662.
- Moore, H. C., New York, N. Y. Wrench. No. 887,006; May 5; Sp. p. 1325; Dr. p. 279; Gaz. vol. 134; p. 220.
- Moore, H. E. (See Gaston and Moore.)
- Moore, H. H., Paris, France. Vehicle-wheel tire. No. 887,684; May 12; Sp. p. 2733; Dr. p. 578; Gaz. vol. 134; p. 472.
- Moore, H. P., Newburyport, assignor to Chase Shawmut Company, Boston, Mass. Fuse-box. No. 898,061; Sept. 8; Sp. p. 1704; Dr. p. 361; Gaz. vol. 136; p. 598.
- Moore, H. W., Atchison, Kans. Chair or seat. No. 877,216; Jan. 21; Sp. p. 3174; Dr. p. 688; Gaz. vol. 132; p. 582.
- Moore, J., assignor of one-half to A. L. Prier, East Liverpool, Ohio. Auger. No. 904,796; Nov. 24; Sp. p. 4667; Gaz. vol. 137; p. 838.
- Moore, J. C., Cedar Rapids, Iowa. Automobile-jack. No. 876,824; Jan. 14; Sp. p. 2303; Dr. p. 506; Gaz. vol. 132; p. 407.
- Moore, J. C., Philadelphia, Pa. Hand-truck. No. 893,744; July 21; Sp. p. 2857; Dr. p. 586; Gaz. vol. 135; p. 508.
- Moore, J. C., Philadelphia, Pa. Hand-truck. No. 896,228; Aug. 18; Sp. p. 2871; Dr. p. 619; Gaz. vol. 135; p. 1416.
- Moore, J. E., Fayette, Iowa. Heating and ventilating system. No. 886,391; May 5; Sp. p. 97; Dr. p. 20; Gaz. vol. 134; p. 21.
- Moore, J. E., assignor of two-thirds to B. S. Howe and H. B. Eastman, Boise, Idaho. Trench-pipe cutter. No. 888,724; May 26; Sp. p. 4812; Dr. pp. 1025-6; Gaz. vol. 134; p. 873.
- Moore, J. H., assignor to Chattanooga Plow Company, Chattanooga, Tenn. Plow. No. 888,184; May 19; Sp. p. 3719; Dr. p. 778; Gaz. vol. 134; p. 664.
- Moore, J. H., assignor to H. A. Polly and A. E. McBeth, Battle Creek, Mich. Horseshoe-pad. No. 888,450; May 19; Sp. p. 4250; Dr. p. 900; Gaz. vol. 134; p. 752.
- Moore, J. R., Topeka, Kans. Slow-feeding device for animals. No. 895,574; Aug. 11; Sp. p. 1595; Dr. p. 337; Gaz. vol. 135; p. 1182.
- Moore, J. S., and H. C. Deek, Roodhouse, assignors to W. B. Parker, Kane, R. P. Wolfe, Roodhouse, Ill., and said Deek. Indestructible fence-post. No. 892,069; June 30; Sp. p. 5859; Dr. p. 1261; Gaz. vol. 134; p. 2119.
- Moore, J. T. and G. T., Rahway, N. J. Bookmark. No. 898,669; Sept. 15; Sp. p. 2876; Dr. p. 615; Gaz. vol. 136; p. 524.
- Moore, J. T., and W. J. Fleming, Evansville, Ind. Driven wheel. No. 906,445; Dec. 8; Sp. p. 2586; Gaz. vol. 137; p. 1445.
- Moore, M. (See Sherman, G. C., assignor.)
- Moore, M., Marble Rock, Iowa. Bed-pan. No. 890,681; June 16; Sp. p. 3012; Dr. p. 661; Gaz. vol. 134; p. 1600.
- Moore, M., Melbourne, and J. Murray, Geelong West, Victoria, Australia. Rotary pump. No. 889,949; June 9; Sp. p. 1495; Dr. p. 339; Gaz. vol. 134; p. 1326.
- Moore, M., Melbourne, and T. J. Heskett, Brunswick, Victoria, Australia. Treating ferruginous ore for the manufacture of iron and steel therefrom. (Reissue.) No. 12,856; Sept. 22; Sp. p. 4425; Dr. p. 950; Gaz. vol. 136; p. 819.
- Moore, M. A. (See Cottrell and Moore.)
- Moore, M. D., assignor to H. H. Lough, Waveland, Ind. Replanting attachment for cultivators. No. 906,446; Dec. 8; Sp. p. 2587; Gaz. vol. 137; p. 1445.
- Moore, M. E. (See Moore, R. H. and M. E.)
- Moore, M. P., North Anson, Me. Measuring-vessel support. No. 903,302; Nov. 10; Sp. p. 1528; Gaz. vol. 137; p. 282.
- Moore, M. R., Indianapolis, Ind. Turbine. No. 895,127; Sept. 8; Sp. p. 1825; Dr. pp. 387-8; Gaz. vol. 136; p. 318.
- Moore, N. R., et al. (See Hansen, H. K., assignor.)
- Moore, O. H., Fort Edward, N. Y. Machine for making combination paper-board. No. 887,007; May 5; Sp. p. 1326; Dr. pp. 279-82; Gaz. vol. 134; p. 220.
- Moore, O. L., et al. (See Payne, J. S., assignor.)
- Moore, O. N. (See Iuppenlatz and Martin, assignors.)
- Moore Patent Car Co. (See Moore, C. A., assignor.)
- Moore, R. A., Berlin, assignor to Waterbury Buckle Co., Waterbury, Conn. Fastening device for men's garters. No. 893,935; July 21; Sp. p. 3240; Dr. p. 667; Gaz. vol. 135; p. 509.
- Moore, R. A., Jr., Berlin, assignor to Waterbury Buckle Co., Waterbury, Conn. Fastening device for men's garters. No. 881,939; Mar. 17; Sp. p. 2913; Dr. p. 622; Gaz. vol. 133; p. 538.
- Moore, R. A., Jr., Berlin, assignor to Waterbury Buckle Co., Waterbury, Conn. Suspender-end. No. 887,414; May 12; Sp. p. 2222; Dr. p. 464; Gaz. vol. 134; p. 383.
- Moore, R. C., et al. (See Payne, J. S., assignor.)
- Moore, R. F., Williston, N. D. Lubricator. No. 886,062; Apr. 28; Sp. p. 4941; Dr. p. 1039; Gaz. vol. 133; p. 2060.
- Moore, R. H. and M. E., New York, N. Y. Passenger-car. No. 902,431; Oct. 27; Sp. p. 4955; Dr. p. 1000; Gaz. vol. 136; p. 1937.

Alphabetical list of patentees—Continued.

- Moore, R. S. A., Chattanooga, Tenn. Bag. No. 906,447; Dec. 8; Sp. p. 2590; Gaz. vol. 137; p. 1445.
- Moore, S. F., Delaware township, Hancock county, Ohio. Stock-feeding apparatus. No. 907,264; Dec. 22; Sp. p. 4186; Gaz. vol. 137; p. 1770.
- Moore, T. J., New York, N. Y. Non-condensing and storm-proof mausoleum, &c. No. 878,303; Feb. 4; Sp. p. 841; Dr. p. 168; Gaz. vol. 132; p. 983.
- Moore, T. J., New York, N. Y. Tomb or burial-vault. No. 908,305; Dec. 29; Sp. p. 6360; Gaz. vol. 137; p. 2145.
- Moore, V. M., Cleveland, Ohio. Friction-clutch. No. 883,732; Apr. 7; Sp. p. 104; Dr. p. 18; Gaz. vol. 133; p. 1210.
- Moore, W. A. (See Odell, L. E., assignor.)
- Moore, W. A., Chambersburg, Pa. Umbrella. No. 887,493; May 12; Sp. p. 2388; Dr. p. 502; Gaz. vol. 134; p. 410.
- Moore, W. A., Dayton, Ohio. Oven-door. No. 900,113; Oct. 6; Sp. p. 87; Dr. p. 18; Gaz. vol. 136; p. 1088.
- Moore, W. B., Miami, Fla. Combined ice-tongs and weighing-scale. No. 876,213; Jan. 7; Sp. p. 1026; Dr. p. 221; Gaz. vol. 132; p. 174.
- Moore, W. D., Creston, Iowa. Building-block. No. 907,699; Dec. 22; Sp. p. 5102; Gaz. vol. 137; p. 1914.
- Moore, W. L., Humboldt, Tenn. Heater. No. 905,560; Dec. 1; Sp. p. 909; Gaz. vol. 137; p. 1128.
- Moore, W. R., East Orange, N. J., assignor to Novelty Bell Co., New York, N. Y. Bell mechanism. No. 888,725; May 26; Sp. p. 4813; Dr. p. 1026; Gaz. vol. 134; p. 874.
- Moorhouse, J. R., Philadelphia, Pa. Foundry molding-machine. No. 893,346; July 14; Sp. p. 1923; Dr. pp. 403-4; Gaz. vol. 135; p. 346.
- Moorman, L. J., Chicago, Ill. Sharpening device for skates, &c. No. 880,153; Feb. 25; Sp. p. 4674; Dr. p. 984; Gaz. vol. 132; p. 1693.
- Moormann, F. T., *et al.* (See Frederick, F. M., assignor.)
- Moormeister, F. T. M., La Grande, Ore. Uterine curette. No. 879,297; Feb. 18; Sp. p. 2887; Dr. p. 602; Gaz. vol. 132; p. 1382.
- Moortrees, H. P., Weehawken, assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 876,379; Jan. 14; Sp. p. 1367; Dr. p. 298; Gaz. vol. 132; p. 259.
- Moortrees, H. P., Weehawken, assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 876,380; Jan. 14; Sp. p. 1377; Dr. pp. 298-9; Gaz. vol. 132; p. 259.
- Moors, W. C., Owensboro, Ky. Wagon-brake. No. 892,286; June 30; Sp. p. 6280; Dr. p. 1352; Gaz. vol. 134; p. 2192.
- Moosmann, P., New York, N. Y. Key for watchmen's time-detectors. No. 896,408; Aug. 18; Sp. p. 3244; Dr. pp. 695-6; Gaz. vol. 135; p. 1473.
- Moran, C. A., Bernardsville, N. J. Moving-picture machine. No. 904,212; Nov. 17; Sp. p. 3429; Gaz. vol. 137; p. 617.
- Moran, J. H., *et al.* (See Blom, C., assignor.)
- Moran, J. J. (See Spoorendonk, H. J., assignor.)
- Moran, M. V., and J. S. Donohue, Washington, D. C. Smoke-consumer. No. 882,767; Mar. 24; Sp. p. 4522; Dr. p. 965; Gaz. vol. 133; p. 840.
- Moran, T. W., *et al.* (See Burdon, W. C., assignor.)
- Moran, W., West Minneapolis, Minn. Return-flue boiler. No. 889,388; June 2; Sp. p. 401; Dr. pp. 94-5; Gaz. vol. 134; p. 1121.
- Morantes, W. (See Keeler, F. W., assignor.)
- Moravec, J., Dundas, Ontario, Canada. Log-peeling machine. No. 892,176; June 30; Sp. p. 6067; Dr. p. 1305; Gaz. vol. 134; p. 2155.
- Morby, G., Robinson, Utah. Smoke-purifier. No. 880,747; Mar. 3; Sp. p. 527; Dr. pp. 104-10; Gaz. vol. 133; p. 91.
- Mörch, J. A., Christiania, Norway. Vessel for whale-fishing. No. 893,642; July 21; Sp. p. 2578; Dr. pp. 536-7; Gaz. vol. 135; p. 473.
- Morecher, F., Tiffin, Ohio. Concrete-block machine. No. 876,280; Jan. 7; Sp. p. 1161; Dr. p. 254; Gaz. vol. 132; p. 195.
- Morch, E., Charlottenburg, Germany. Alternating-current meter. No. 895,100; Aug. 4; Sp. p. 646; Dr. pp. 135-6; Gaz. vol. 135; p. 1002.
- Morcom, R. K. (See Jude and Morcom.)
- Morcom, T., Graham, N. C. Trace-securing means for swingletrees. No. 887,685; May 12; Sp. p. 2736; Dr. p. 578; Gaz. vol. 134; p. 472.
- Morden, L. M., Waterbury, Conn. Loose-leaf ledger or temporary binder. No. 875,834; Jan. 7; Sp. p. 295; Dr. p. 64; Gaz. vol. 132; p. 55.
- Morden, L. M., Waterbury, Conn. File-ring. No. 876,474; Jan. 14; Sp. p. 1590; Dr. p. 342; Gaz. vol. 132; p. 291.
- Morden, L. M., Waterbury, Conn. Temporary binder. No. 881,606; Mar. 10; Sp. p. 2220; Dr. p. 483; Gaz. vol. 133; p. 402.
- Moreau, E., assignor to Calor Sterilizer Co., New York, N. Y. Temperature-exchanging apparatus. No. 884,600; Apr. 14; Sp. p. 1891; Dr. pp. 405-6; Gaz. vol. 133; p. 1523.
- Moreau, J., St. Germain de Grantham, Quebec, Canada. Potato-digger. No. 877,356; Jan. 21; Sp. p. 3430; Dr. p. 744; Gaz. vol. 132; p. 625.
- Moreau, J., St. Germain de Grantham, Quebec, Canada. Potato-digger. No. 879,661; Feb. 18; Sp. p. 3644; Dr. pp. 762-3; Gaz. vol. 132; p. 1499.
- Morehead, C., Rugby, England. Stove for drying molds. No. 899,752; Sept. 29; Sp. p. 4976; Dr. p. 1066; Gaz. vol. 136; p. 939.
- Morehead, G. (See Gay, J. W., assignor.)
- Morehead, J. (See Purser, J. E., assignor.)
- Morehouse, B. K., Grand Junction, Colo. Rotary pump. No. 895,488; Aug. 11; Sp. p. 1434; Dr. pp. 300-1; Gaz. vol. 135; p. 1154.
- Morehouse, E. W., assignor to B. A. Ballou & Company, Incorporated, Providence, R. I. Pin and pin-joint. No. 898,670; Sept. 15; Sp. p. 2877; Dr. p. 615; Gaz. vol. 136; p. 524.
- Morehouse Manufacturing Co. (See Heybach, F. J., assignor.)
- Morehouse, S. A., Ashgrove, assignor of one-third to W. S. Potter, La Fayette, Ind. Distributing-spout. No. 907,848; Dec. 29; Sp. p. 5391; Gaz. vol. 137; p. 1992.
- Morell, A., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 880,810; Mar. 3; Sp. p. 649; Dr. p. 136; Gaz. vol. 133; p. 112.
- Morell, E., New York, N. Y. Holder. No. 893,347; July 14; Sp. p. 1927; Dr. p. 404; Gaz. vol. 135; p. 346.
- Morency, J. P. (See Chantigney and Morency.)
- Morenus, E., Cleveland, N. Y., assignor of one-half to G. W. Morenus, Kane, Pa. Producing glass. No. 883,039; Mar. 24; Sp. p. 5061; Dr. pp. 1078-9; Gaz. vol. 133; p. 928.
- Morenus, G. W. (See Morenus, E., assignor.)
- Morenus, W. H., Lake View, Iowa, assignor to Austin Manufacturing Company, Chicago, Ill. Deflector for elevating graders. No. 903,155; Nov. 3; Sp. p. 1236; Gaz. vol. 137; p. 203.
- Morenus, W. H., Lake View, Iowa, assignor to Austin Manufacturing Company, Chicago, Ill. Deflector for elevating graders. No. 907,700; Dec. 22; Sp. p. 5104; Gaz. vol. 137; p. 1915.
- Morey, C. A., Mohawk, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 886,392; May 5; Sp. p. 99; Dr. p. 20; Gaz. vol. 134; p. 22.
- Morey, W. W., Columbus, Ohio. Metal-covered door. No. 899,422; Sept. 22; Sp. p. 4286; Dr. p. 920; Gaz. vol. 136; p. 795.
- Morg, R. J., New York, N. Y. Hinge. No. 889,539; June 2; Sp. p. 698; Dr. p. 160; Gaz. vol. 134; p. 1169.
- Morgal, J. F. (See Whittemore and Morgal.)
- Morgan, A. B. (See Newcomb, E. A., assignor.)
- Morgan, A. D., West Roxbury, Mass. Emergency-brake for motor-vehicles. No. 876,475; Jan. 14; Sp. p. 1591; Dr. p. 342; Gaz. vol. 132; p. 291.
- Morgan, B., Newport, R. I. Terminal for electric wires. No. 906,448; Dec. 8; Sp. p. 2591; Gaz. vol. 137; p. 1445.
- Morgan, B. J., Bevier, Mo. Automatic coupling for air-brake systems. No. 882,406; Mar. 17; Sp. p. 3811; Dr. p. 814; Gaz. vol. 133; p. 688.
- Morgan, B. J., assignor of one-half to F. M. Rumbold, St. Louis, Mo. Railway-frog. No. 906,544; Dec. 15; Sp. p. 2770; Gaz. vol. 137; p. 1503.
- Morgan, C., assignor to Arcade Manufacturing Company, Freeport, Ill. Making sand molds. No. 887,415; May 12; Sp. p. 2222; Dr. p. 464; Gaz. vol. 134; p. 384.
- Morgan, C., assignor to Arcade Manufacturing Company, Freeport, Ill. Apparatus for making sand molds. No. 887,416; May 12; Sp. p. 2223; Dr. p. 465; Gaz. vol. 134; p. 384.
- Morgan, C. C., Murdock, Ill. Fertilizer-distributor. No. 904,797; Nov. 24; Sp. p. 4668; Gaz. vol. 137; p. 839.
- Morgan, C. G., Mount Vernon, Mo. Machine for printing from films or plates. No. 884,516; Apr. 14; Sp. p. 1719; Dr. p. 369; Gaz. vol. 133; p. 1495.
- Morgan, C. H., Worcester, Mass. Gas-producer. No. 902,432; Oct. 27; Sp. p. 4955; Dr. p. 1001; Gaz. vol. 136; p. 1937.
- Morgan, C. W. (See Peters and Morgan.)
- Morgan Construction Company. (See Edwards, V. E., assignor.)
- Morgan Construction Company. (See George, J. R., assignor.)
- Morgan Crucible Company. (See McCourt, C. D., assignor.)
- Morgan Crucible Company. (See Speirs, C. W., assignor.)
- Morgan, D. D., *et al.* (See Shinn and Denton, assignors.)
- Morgan, D. D., assignor of one-half to N. H. Pearce, Littleton, N. H. Screen-door attachment. No. 908,306; Dec. 29; Sp. p. 6362; Gaz. vol. 137; p. 2146.
- Morgan, D. F., Chicago, Ill. Damper-regulator. No. 887,417; May 12; Sp. p. 2225; Dr. p. 465; Gaz. vol. 134; p. 384.
- Morgan, D. F., Jackson, Ohio. Moisture-absorber. No. 894,973; Aug. 4; Sp. p. 401; Dr. p. 81; Gaz. vol. 135; p. 958.
- Morgan, D. G. (See Crowder, D. W., assignor.)
- Morgan, E. C., Chicago, Ill. Pick mining-machine. No. 902,756; Nov. 3; Sp. p. 436; Gaz. vol. 137; p. 75.

- Morgan, E. H., Didsbury, England. Dust-collector for motor-vehicles. No. 891,714; June 23; Sp. p. 5144; Dr. p. 1112; Gaz. vol. 134; p. 1971.
Morgan Engineering Company. (See Bright, A. W., assignor.)
Morgan Engineering Company. (See Farmer, F. E., assignor.)
Morgan Engineering Company. (See Taylor, C. L., assignor.)
Morgan, F. E., Yonkers, assignor to D. H. Burrell & Company, Little Falls, N. Y. Prepayment vending apparatus. No. 895,779; Aug. 11; Sp. p. 2011; Dr. pp. 427-8; Gaz. vol. 135; p. 1248.
Morgan, G. M., East Spokane, Wash. Garment-supporter. No. 888,027; May 19; Sp. p. 3427; Dr. p. 719; Gaz. vol. 134; p. 616.
Morgan, G. W., Salem, Va. Match-box. No. 889,252; June 2; Sp. p. 112; Dr. pp. 26-7; Gaz. vol. 134; p. 1074.
Morgan-Gardner Electric Company. (See Noble and Mitchell, assignors.)
Morgan, H. W., Rochester, N. Y. Machine for printing on boards. No. 893,745; July 21; Sp. p. 2858; Dr. p. 587; Gaz. vol. 135; p. 508.
Morgan, J., New Bedford Mass. Bill or bag holder. No. 898,251; Sept. 8; Sp. p. 2068; Dr. p. 439; Gaz. vol. 136; p. 357.
Morgan, J. B., Schenectady, N. Y. Radiator-valve. No. 884,601; Apr. 14; Sp. p. 1893; Dr. p. 406; Gaz. vol. 133; p. 1524.
Morgan, J. C., Frankfort, Ky. Fan. No. 892,867; July 7; Sp. p. 949; Dr. p. 200; Gaz. vol. 135; p. 159.
Morgan, J. O., Oakland, Cal. Burner. No. 884,286; Apr. 7; Sp. p. 1250; Dr. p. 263; Gaz. vol. 133; p. 1391.
Morgan, J. W., assignor of one-half to L. C. Luckenbach, San Antonio, Tex. Sewing-awl. No. 891,358; June 23; Sp. p. 4404; Dr. p. 959; Gaz. vol. 134; p. 1854.
Morgan, L., assignor of one-half to J. J. Warnock, Manchester, Okla. Whiffletree-hook. No. 890,082; June 9; Sp. p. 1774; Dr. p. 392; Gaz. vol. 134; p. 1372.
Morgan, M. M., Oakbar, Cal. Pocket-wrench. No. 896,458; Aug. 18; Sp. p. 3340; Dr. p. 718; Gaz. vol. 135; p. 1489.
Morgan, R. L., Worcester, Mass. Wheel-rim fastener. No. 877,217; Jan. 21; Sp. p. 3176; Dr. p. 689; Gaz. vol. 132; p. 583.
Morgan, R. L., Worcester, Mass. Gas-producer. No. 901,359; Oct. 20; Sp. p. 2677; Dr. p. 549; Gaz. vol. 136; p. 1555.
Morgan, R. M., *et al.*, executors. (See Deane and Shields.)
Morgan, S. J., Albany, Wis. Gearing for drill-presses. No. 901,635; Oct. 20; Sp. p. 3278; Dr. pp. 672-3; Gaz. vol. 136; p. 1646.
Morgan Spring Company. (See Bigelow, G. E., assignor.)
Morgan, T., Pensacola, Fla. Fish-trap. No. 899,457; Sept. 22; Sp. p. 4347; Dr. p. 933; Gaz. vol. 136; p. 806.
Morgan, T. W. (See Hackett and Morgan.)
Morgan, T. W. (See Marsh and Morgan.)
Morgan, T. W., assignor to W. W. Marsh, Waterloo, Iowa. Liner for centrifugal cream-separators. No. 886,393; May 5; Sp. p. 102; Dr. p. 20; Gaz. vol. 134; p. 22.
Morgan, T. W., assignor to W. W. Marsh, Waterloo, Iowa. Spindle-bearing. No. 888,633; May 26; Sp. p. 4631; Dr. p. 932; Gaz. vol. 134; p. 845.
Morgan, T. W., assignor to W. W. Marsh, Waterloo, Iowa. Driving mechanism for centrifugal cream-separators. No. 888,634; May 26; Sp. p. 4631; Dr. p. 983; Gaz. vol. 134; p. 845.
Morgan, T. W., assignor to W. W. Marsh, Waterloo, Iowa. Ratchet-coupling. No. 890,083; June 9; Sp. p. 1775; Dr. p. 392; Gaz. vol. 134; p. 1373.
Morgan, T. W., assignor to W. W. Marsh, Waterloo, Iowa. Friction-clutch. No. 891,280; June 23; Sp. p. 4240; Dr. p. 928; Gaz. vol. 134; p. 1828.
Morgan, W. B., Frankston, Tex. Gate. No. 886,533; May 5; Sp. p. 376; Dr. p. 78; Gaz. vol. 134; p. 69.
Morgan, W. B., L. W. Hubbart, and J. H. Wirts, Trinidad, Colo. Machine for leveling coke-oven charges. No. 903,604; Nov. 10; Sp. p. 2149; Gaz. vol. 137; p. 381.
Morgan, W. E., San Francisco, Cal. Rule-gage. No. 877,218; Jan. 21; Sp. p. 3178; Dr. p. 689; Gaz. vol. 132; p. 583.
Morgan, W. S., Antigo, Wis. Mixing device. No. 889,323; June 2; Sp. p. 254; Dr. p. 62; Gaz. vol. 134; p. 1099.
Morgan, W. W., *et al.* (See Kain, W. P., assignor.)
Morice, P., Neutral Bay, North Sydney, New South Wales, assignor of one-half to F. A. Angelinetta, Darling Point, near Sydney, Australia. Apparatus for utilizing the force of the waves of the sea. No. 890,994; June 16; Sp. p. 3686; Dr. p. 803; Gaz. vol. 134; p. 1704.
Morin, A., Lowell, Mass. Sewing-machine attachment for making zigzag stitches. No. 907,627; Dec. 22; Sp. p. 4923; Gaz. vol. 137; p. 1889.
Morin, G., Habana, Cuba. Multiple telephone system. No. 897,765; Sept. 1; Sp. p. 1049; Dr. pp. 225-7; Gaz. vol. 136; p. 170.
Morin, J. A. (See Fréchette, I., assignor.)
Morison, D. B., Hartlepool, England. Steam-condensing plant. No. 888,637; May 26; Sp. p. 4635; Dr. p. 964; Gaz. vol. 134; p. 846.
Morison, D. B., Hartlepool, England. Air and like pump. No. 894,031; July 21; Sp. p. 3460; Dr. pp. 707-9; Gaz. vol. 135; p. 602.
Moritz, F., Dortmund, Germany. Mechanically-playing keyed instrument. No. 880,089; Feb. 25; Sp. p. 4545; Dr. p. 957; Gaz. vol. 132; p. 1673.
Morley, A. M. (See Post and Morley.)
Morley Button Manufacturing Company. (See Oldfield, F., assignor.)
Morley, C. O., Brooklyn, N. Y. Wrench. No. 889,710; June 2; Sp. p. 1024; Dr. p. 237; Gaz. vol. 134; p. 1225.
Morley, W. B. (See Markham, W. D., assignor.)
Morlock, M. C. (See Kailer, A. E., assignor.)
Morningstar, L. E., assignor of one-half to R. H., E. R., and R. J. Bullard, Jr., Wheeling, W. Va. Matrix and forming same. No. 891,499; June 23; Sp. p. 4690; Dr. p. 1016; Gaz. vol. 134; p. 1900.
Morrall, J. (See Morrall, S. E., W. W., and J.)
Morrall, S. E. and W. W., Morrall, Ohio. Can-labeling machine. No. 900,114; Oct. 6; Sp. p. 89; Dr. p. 18; Gaz. vol. 136; p. 1088.
Morrall, S. E. and W. W., Morrall, Ohio. Machine for removing the butt-ends of ears of corn. No. 907,849; Dec. 29; Sp. p. 5392; Gaz. vol. 137; p. 1993.
Morrall, S. E. and W. W., Morrall, and J. Morrall, Larue, Ohio. Machine for removing silk from ears of corn. No. 100,189; Oct. 6; Sp. p. 250; Dr. p. 50; Gaz. vol. 136; p. 1113.
Morrall, W. W. (See Morrall, S. E. and W. W.)
Morrall, W. W. (See Morrall, S. E., W. W., and J.)
Morrill, A. W., assignor to California Fireless Cookstove Co., Campbell, Cal. Cooker. No. 905,212; Dec. 1; Sp. p. 182; Gaz. vol. 137; p. 1013.
Morrill, T. W., Bloomfield, N. J. Apparatus for packing games. No. 885,854; Apr. 28; Sp. p. 4500; Dr. p. 945; Gaz. vol. 133; p. 1991.
Morrill, T. W., Bloomfield, N. J. Cutting and delivering mechanism. No. 887,339; May 12; Sp. p. 2051; Dr. p. 429; Gaz. vol. 134; p. 359.
Morrill, T. W., Bloomfield, N. J. Machine for producing games. No. 889,479; June 2; Sp. p. 559; Dr. pp. 137-8; Gaz. vol. 134; p. 1150.
Morrill, A. W., Orlando, Fla. Fumigating-tent and using the same. No. 902,674; Nov. 3; Sp. p. 274; Gaz. vol. 137; p. 47.
Morrill, D. O., assignor of one-half to L. W. Morrill, Spokane, Wash. Plumb-bob. No. 880,387; Feb. 25; Sp. p. 5135; Dr. p. 1084; Gaz. vol. 132; p. 1771.
Morrill, G. P., Canterbury, N. H. Ax or tool wedge. No. 893,746; July 21; Sp. p. 2861; Dr. p. 587; Gaz. vol. 135; p. 508.
Morrill, H. M. (See Cowies and Morrill.)
Morrill, L. W. (See Morrill, D. O., assignor.)
Morrill, W. N., Louisville, Ky. Excavating-machine. No. 892,538; July 7; Sp. p. 283; Dr. p. 62; Gaz. vol. 135; p. 53.
Morris, C. B., administratrix. (See Morris, S.)
Morris, C. C., Philadelphia, Pa. Garment-supporter. No. 899,316; Sept. 22; Sp. p. 4106; Dr. p. 877; Gaz. vol. 136; p. 762.
Morris, C. E., assignor of one-half to T. D. Morrow, Lane, Kans. Shooting-gallery. No. 885,358; Apr. 21; Sp. p. 3488; Dr. p. 728; Gaz. vol. 133; p. 1804.
Morris, C., assignor of one-half to T. D. Morrow, Lane, Kans. Vending-machine. No. 898,765; Sept. 15; Sp. p. 3049; Dr. pp. 654-5; Gaz. vol. 136; p. 554.
Morris, E. C., and L. J. Hall, Chicago, Ill.; said Hall assignor to said Morris. Machine for stamping and sealing mail-matter. No. 884,837; Apr. 14; Sp. p. 2393; Dr. pp. 504-6; Gaz. vol. 133; p. 1603.
Morris, E. C., and L. J. Hall, Chicago, Ill.; said Hall assignor to said Morris. Machine for stamping and sealing mail-matter. No. 884,838; Apr. 14; Sp. p. 2411; Dr. pp. 506-8; Gaz. vol. 133; p. 1604.
Morris, E. S., and J. J. Mulconroy, assignors to Mulconroy Company, Philadelphia, Pa. Boot or shoe. No. 895,284; Aug. 4; Sp. p. 1038; Dr. p. 217; Gaz. vol. 135; p. 1065.
Morris, E. T., Elburn, Ill. Culvert-mold. No. 879,662; Feb. 18; Sp. p. 3647; Dr. p. 763; Gaz. vol. 132; p. 1500.
Morris, E. T., Derwent, Ohio. Tombstone. No. 883,733; Apr. 7; Sp. p. 107; Dr. p. 18; Gaz. vol. 133; p. 1210.
Morris, E. T., Derwent, Ohio. Folding chair. No. 888,726; May 26; Sp. p. 4814; Dr. p. 1026; Gaz. vol. 134; p. 874.
Morris, E. T., Derwent, Ohio. Bedstead. No. 894,034; July 21; Sp. p. 3407; Dr. p. 710; Gaz. vol. 135; p. 603.
Morris, F. W., Victoria, British Columbia, Canada. Production of aluminum oxid. No. 890,084; June 9; Sp. p. 1776; Gaz. vol. 134; p. 1373.
Morris, G. E., Regina, Saskatchewan, Canada. Beading implement. No. 886,394; May 5; Sp. p. 103; Dr. p. 21; Gaz. vol. 134; p. 22.
Morris, G. W., Racine, Wis. Water-heater. No. 888,110; May 19; Sp. p. 3592; Dr. p. 752; Gaz. vol. 134; p. 642.
Morris, G. W., Racine, Wis. Throttle-valve. No. 890,682; June 16; Sp. p. 3013; Dr. pp. 661-2; Gaz. vol. 134; p. 1601.
Morris, G. W., Racine, Wis. Driving mechanism. No. 892,539; July 7; Sp. p. 284; Dr. p. 62; Gaz. vol. 135; p. 53.
Morris, H., Racine, Wis. Balanced slide-valve. No. 907,162; Dec. 22; Sp. p. 3947; Gaz. vol. 137; p. 1738.
Morris, H., New Rochelle, N. Y. Clothes-line support. No. 877,941; Feb. 4; Sp. p. 96; Dr. p. 22; Gaz. vol. 132; p. 864.

Alphabetical list of patentees—Continued.

- Morris, H. B., Grand Rapids, Mich. Weighing apparatus. No. 899,551; Sept. 29; Sp. p. 4563; Dr. p. 981; Gaz. vol. 136; p. 874.
- Morris, H. W., New York, N. Y. Feed-bag. No. 880,459; Feb. 25; Sp. p. 5306; Dr. p. 1116; Gaz. vol. 132; p. 1797.
- Morris, J. A., Atlanta, Ga. Spirometer. No. 894,337; July 28; Sp. p. 4108; Dr. p. 848; Gaz. vol. 135; p. 723.
- Morris, J. E., Columbus, Ohio. Conduit-bending device. No. 882,012; Mar. 17; Sp. p. 3078; Dr. p. 654; Gaz. vol. 133; p. 561.
- Morris, J. F., Columbus, Ohio. Clothes-rack. No. 896,849; Aug. 25; Sp. p. 4154; Dr. p. 890; Gaz. vol. 135; p. 1641.
- Morris, J. F., Bakersfield, Cal. Wagon-coupling. No. 905,736; Dec. 1; Sp. p. 1237; Gaz. vol. 137; p. 1184.
- Morris, J. G., *et al.* (See Wallar, W. C., assignor.)
- Morris, J. H., Omaha, Nebr. Vehicle-wheel. No. 876,214; Jan. 7; Sp. p. 1027; Dr. p. 222; Gaz. vol. 132; p. 174.
- Morris, J. J. (See Lind, J. W., assignor.)
- Morris, J. K., Newhall, Cal. Holding device for newspapers. No. 904,979; Nov. 24; Sp. p. 5044; Gaz. vol. 137; p. 899.
- Morris, J. O., Washington, D. C., assignor to Southern Stemming Machine and Manufacturing Company, Guthrie, Okla. Tobacco-stemming machine. No. 888,835; May 26; Sp. p. 5066; Dr. pp. 1080-2; Gaz. vol. 134; p. 909.
- Morris, J. O., Washington, D. C., assignor to Morris Specialty Manufacturing Company. Register. No. 895,879; Aug. 11; Sp. p. 2209; Dr. pp. 471-2; Gaz. vol. 135; p. 1281.
- Morris, J. O., Washington, D. C., assignor to Morris Specialty Manufacturing Company. Fare-register. No. 895,880; Aug. 11; Sp. p. 2212; Dr. p. 472; Gaz. vol. 135; p. 1281.
- Morris, J. R., Marshalltown, Iowa. Wrench. No. 895,285; Aug. 4; Sp. p. 1040; Dr. p. 217; Gaz. vol. 135; p. 1065.
- Morris, N. E., Jr., Murfreesboro, assignor of one-half to W. A. Roberts, Franklin, Tenn. Cash register and indicator. No. 876,215; Jan. 7; Sp. p. 1029; Dr. pp. 222-4; Gaz. vol. 132; p. 174.
- Morris, O. J., Laramie, Wyo. Means for securing railway-rails to ties of railway-beds. No. 900,570; Oct. 6; Sp. p. 1072; Dr. p. 220; Gaz. vol. 136; p. 1237.
- Morris, P. H., Newtown, Pa. Store-window. No. 884,404; Apr. 14; Sp. p. 1486; Dr. pp. 318-19; Gaz. vol. 133; p. 1460.
- Morris, R. K., Fresno, Cal. Bandage. No. 907,388; Dec. 22; Sp. p. 4409; Gaz. vol. 137; p. 1811.
- Morris, R. L., Kahoka, Mo. Cultivator-shovel fastening. No. 888,635; May 26; Sp. p. 4633; Dr. p. 983; Gaz. vol. 134; p. 846.
- Morris, S. (deceased.), Newark, Ohio; C. B. Morris, administratrix. Hydrocarbon-burner. No. 876,476; Jan. 14; Sp. p. 1593; Dr. p. 342; Gaz. vol. 132; p. 292.
- Morris, S., deceased, Newark; C. B. Morris, administratrix, assignor of one-half to M. H. Neil, Columbus, Ohio. Car-coupling. No. 903,220; Nov. 10; Sp. p. 1377; Gaz. vol. 137; p. 255.
- Morris Specialty Manufacturing Company. (See Morris, J. O., assignor.)
- Morris, T. C., Little Rock, Ark. Drying-kiln. No. 901,811; Oct. 20; Sp. p. 3666; Dr. p. 743; Gaz. vol. 136; p. 1705.
- Morris, W. B. (See Mable, W., assignor.)
- Morris, W. C., New York, N. Y. Garment-holder. No. 906,148; Dec. 8; Sp. p. 2031; Gaz. vol. 137; p. 1348.
- Morris, W. E., Chicago, Ill. Rat-trap. No. 892,756; July 7; Sp. p. 715; Dr. p. 151; Gaz. vol. 135; p. 123.
- Morris, W. H., and S. Davis, Winside, Nebr. Stock-waterer. No. 894,453; July 28; Sp. p. 4352; Dr. pp. 896-7; Gaz. vol. 135; p. 762.
- Morrisey, J. (See Grieve & Morrisey.)
- Morrison, A., Pittsburg, Pa. Insulated rail-joint. No. 894,032; July 21; Sp. p. 3464; Dr. p. 709; Gaz. vol. 135; p. 603.
- Morrison, A. M., Dubuque, Iowa. Sanitary plumbing connection. No. 901,545; Oct. 20; Sp. p. 3106; Dr. pp. 634-5; Gaz. vol. 136; p. 1619.
- Morrison, A. M., assignor to Morrison and Kretschmer Manufacturing Company, Dubuque, Iowa. Water-closet. No. 888,636; May 26; Sp. p. 4634; Dr. p. 983; Gaz. vol. 134; p. 846.
- Morrison, B. J., assignor to Atlas Engine Works, Indianapolis, Ind. Manhole-cover. No. 903,750; Nov. 10; Sp. p. 2426; Gaz. vol. 137; p. 425.
- Morrison, C. H. (See McHenry, E. H., assignor.)
- Morrison, C. H., New Haven, Conn., assignor to Union Switch & Signal Company, Swissvale, Pa. Rail-lock for drawbridges. No. 898,252; Sept. 8; Sp. p. 2068; Dr. p. 440; Gaz. vol. 136; p. 357.
- Morrison, C. M., assignor to T. Hedinger, Jr., Philadelphia, Pa. Sheet-gage for presses. No. 903,751; Nov. 10; Sp. p. 2427; Gaz. vol. 137; p. 426.
- Morrison, F. A., Philadelphia, Pa. Ticket-holder. No. 889,950; June 9; Sp. p. 1497; Dr. p. 340; Gaz. vol. 134; p. 1326.
- Morrison, G. L., assignor to P. M. Storey, Sampsel, Okla. Folded-blank box. No. 883,734; Apr. 7; Sp. p. 109; Dr. p. 19; Gaz. vol. 133; p. 1210.
- Morrison, J., Montreal, Quebec, Canada. Water-closet seat. No. 887,686; May 12; Sp. p. 2737; Dr. p. 578; Gaz. vol. 134; p. 472.
- Morrison, J., Pittsburg, Pa. Plumb rule and level. No. 891,182; June 16; Sp. p. 4017; Dr. p. 881; Gaz. vol. 134; p. 1763.
- Morrison, J., Jr., and M. P. Benson, Upper Troy, N. Y. Combined wardrobe appliance. No. 881,818; Mar. 10; Sp. p. 2625; Dr. p. 563; Gaz. vol. 133; p. 468.
- Morrison, J. B., Minneapolis, Minn. Sad-iron. No. 896,229; Aug. 18; Sp. p. 2872; Dr. p. 619; Gaz. vol. 135; p. 1416.
- Morrison, J. G., New York, N. Y. Molding-machine. No. 906,259; Dec. 8; Sp. p. 2247; Gaz. vol. 137; p. 1385.
- Morrison, J. T., Hartford, Conn. Pulley. No. 907,082; Dec. 15; Sp. p. 3771; Gaz. vol. 137; p. 1671.
- Morrison and Kretschmer Manufacturing Company. (See Morrison, A. M., assignor.)
- Morrison, L. E., Newark, N. J., assignor to J. T. Kavenaugh, New York, N. Y. Sheet-feeding mechanism. No. 888,028; May 19; Sp. p. 3428; Dr. p. 720; Gaz. vol. 134; p. 616.
- Morrison, L. E., Newark, N. J., assignor to Automatic Platen Press Company, New York, N. Y. Printing-press. No. 895,659; Aug. 11; Sp. p. 1762; Dr. pp. 373-4; Gaz. vol. 135; p. 1210.
- Morrison, M. L. (See Goode, J. R., assignor.)
- Morrison, P., Chattanooga, Tenn. Knockdown article of furniture. No. 894,033; July 21; Sp. p. 3465; Dr. p. 709; Gaz. vol. 135; p. 603.
- Morrison, P., Chattanooga, Tenn. Knockdown article of furniture. No. 906,909; Dec. 15; Sp. p. 3465; Gaz. vol. 137; p. 1518.
- Morrison, R. J., Cherryville, N. C. Vending-machine. No. 904,798; Nov. 24; Sp. p. 4669; Gaz. vol. 137; p. 839.
- Morrison, W., *et al.* (See Perry, D. P., assignor.)
- Morrison, W., Des Moines, Iowa. Removing gold, silver, copper, and platinum from lead alloys. No. 890,160; June 9; Sp. p. 1937; Gaz. vol. 134; p. 1399.
- Morrison, W., Chicago, Ill. Secondary battery. No. 900,571; Oct. 6; Sp. p. 1073; Dr. p. 220; Gaz. vol. 136; p. 1237.
- Morrison, W., assignor to G. R. Coryell, Chicago, Ill. Electric battery. No. 892,608; July 7; Sp. p. 404; Dr. p. 89; Gaz. vol. 135; p. 75.
- Morrison, W., assignor to G. R. Coryell, Chicago, Ill. Electric battery. No. 895,660; Aug. 11; Sp. p. 1764; Dr. p. 374; Gaz. vol. 135; p. 1210.
- Morrison, W., assignor to G. R. Coryell, Chicago, Ill. Forming plates for storage batteries. No. 903,752; Nov. 10; Sp. p. 2432; Gaz. vol. 137; p. 426.
- Morrison, W., Chicago, Ill., assignor of one-third to M. A. Lombard, Des Moines, Iowa. Automobile construction. No. 895,661; Aug. 11; Sp. p. 1765; Dr. p. 375; Gaz. vol. 135; p. 1210.
- Morrison, W. A., and F. L. Bryant, Chicago, Ill. Carpet-sweeper. No. 879,977; Feb. 25; Sp. p. 4322; Dr. p. 905; Gaz. vol. 132; p. 1637.
- Morrison, W. R., Derry, N. H. Mail-bag catcher and deliverer. No. 901,812; Oct. 20; Sp. p. 3668; Dr. p. 744; Gaz. vol. 136; p. 1705.
- Morrison, W. S., San Francisco, Cal. Preparing concentrated hydrated magnesia. No. 900,868; Oct. 13; Sp. p. 1701; Gaz. vol. 136; p. 1361.
- Morrison, W. T., New York, N. Y. Letter-sheet. No. 892,675; July 7; Sp. p. 550; Dr. p. 116; Gaz. vol. 135; p. 97.
- Morrisey, J. F., New York, N. Y. Pleasure-railway. No. 888,111; May 19; Sp. p. 3594; Dr. p. 752; Gaz. vol. 134; p. 642.
- Morrow, A. P., Elmira, N. Y. Back-pedaling coaster-brake. No. 882,159; Mar. 17; Sp. p. 3339; Dr. p. 712; Gaz. vol. 133; p. 607.
- Morrow, A. P., Elmira, N. Y. Drill-chuck. No. 893,348; July 14; Sp. p. 1928; Dr. pp. 404-5; Gaz. vol. 135; p. 346.
- Morrow, A. P., Elmira, N. Y. Driving-clutch. No. 905,343; Dec. 1; Sp. p. 422; Gaz. vol. 137; p. 1055.
- Morrow, A. P., Elmira, N. Y. Back-pedaling brake. No. 906,149; Dec. 8; Sp. p. 2032; Gaz. vol. 137; p. 1348.
- Morrow, A. P., Elmira, N. Y. Back-pedaling coaster-brake. No. 906,260; Dec. 8; Sp. p. 2252; Gaz. vol. 137; p. 1386.
- Morrow, J. B., East Pepperell, assignor to Pepperell Card & Paper Company, Pepperell, Mass. Paper-coating machine. No. 879,787; Feb. 18; Sp. p. 3887; Dr. pp. 815-16; Gaz. vol. 132; p. 1541.
- Morrow, L. M., and J. M. Foster, Wasco, Ore. Winding-machine. No. 899,423; Sept. 22; Sp. p. 4288; Dr. pp. 920-1; Gaz. vol. 136; p. 795.
- Morrow, S. O., *et al.* (See McPherson, J., assignor.)
- Morrow, T. D. (See Morris, C. E., assignor.)
- Morrow, W. L., Stockton, Cal. Gas-engine. No. 895,286; Aug. 4; Sp. p. 1041; Dr. p. 217; Gaz. vol. 135; p. 1065.
- Morrow, W. L., Stockton, Cal. Double two-cycle engine. No. 903,753; Nov. 10; Sp. p. 2434; Gaz. vol. 137; p. 426.
- Morrow, W. S., *et al.* (See Bullenger, D., assignor.)
- Mors, E. L. P., assignor to Société Anonyme d'Electricité et d'Automobiles Mors, Paris, France. Latch for change speed-gears for automobiles. No. 883,557; Mar. 31; Sp. p. 6156; Dr. p. 1309; Gaz. vol. 133; p. 1127.
- Morscher, L. N., *et al.*, cotrustees. (See Morscher, L. N., assignor.)
- Morscher, L. N., assignor to W. J. Ehrsam and L. N. Morscher, cotrustees, Enterprise, Kans. Apparatus for electrical separation of particles from a fluid stream. No. 888,638; May 26; Sp. p. 4642; Dr. p. 985; Gaz. vol. 134; p. 847.
- Morse, A. B., South Easton, Mass. Driving mechanism for motor-carriages. No. 883,735; Apr. 7; Sp. p. 110; Dr. pp. 19-20; Gaz. vol. 133; p. 1211.
- Morse, A. D., assignor to Draper Company, Hopedale, Mass. Bobbin-driving means for rotatable spindles. No. 885,855; Apr. 28; Sp. p. 4501; Dr. p. 945; Gaz. vol. 133; p. 1992.

Alphabetical list of patentees—Continued.

- Morse, A. J., Torrington, Conn., assignor to Coe Brass Manufacturing Company. Double blocker. No. 887,418; May 12; Sp. p. 2227; Dr. pp. 465-6; Gaz. vol. 134; p. 385.
- Morse, A. U. (See Knight, J. L., assignor.)
- Morse, C. F., New York, N. Y. Invisible-picture card. No. 901,723; Oct. 20; Sp. p. 3499; Dr. p. 707; Gaz. vol. 136; p. 1678.
- Morse Chain Company. (See Morse, E. F., assignor.) (Reissue.)
- Morse, D. W., Streator, Ill. Check-register. No. 886,839; May 5; Sp. p. 1019; Dr. p. 214; Gaz. vol. 134; p. 167.
- Morse, E. F., assignor to Morse Chain Company, Trumansburg, N. Y. Drive-chain. (Reissue.) No. 12,844; Aug. 18; Sp. p. 3813; Dr. pp. 824-5; Gaz. vol. 135; p. 1566.
- Morse, H. C., Penn Yan, N. Y. Canopy. No. 890,683; June 16; Sp. p. 3015; Dr. p. 662; Gaz. vol. 134; p. 1601.
- Morse Iron Works. (See Morse, T. G., assignor.)
- Morse, J. C., North Baltimore, Ohio. Ring-expander for piston-heads. No. 892,287; June 30; Sp. p. 6282; Dr. pp. 1352-3; Gaz. vol. 134; p. 2192.
- Morse, J. F., and M. D. Lucas, Cleveland, Ohio. Adjustable cooling-box. No. 906,545; Dec. 15; Sp. p. 2771; Gaz. vol. 137; p. 1503.
- Morse, M. F., Ballston Spa, N. Y. Feed-gage pin. No. 895,662; Aug. 11; Sp. p. 1767; Dr. p. 376; Gaz. vol. 135; p. 1211.
- Morse, O. M., Jackson, Mich. Feed-regulator. No. 895,489; Aug. 11; Sp. p. 1436; Dr. p. 301; Gaz. vol. 135; p. 1153.
- Morse, T. G., assignor to Morse Iron Works, Erie, Pa. Clutch. No. 892,868; July 7; Sp. p. 951; Dr. p. 200; Gaz. vol. 135; p. 159.
- Morse Twist Drill & Machine Company. (See Gregson, L., assignor.)
- Morse, V. E., Shelton, Conn. Hook and eye. No. 901,987; Oct. 27; Sp. p. 4041; Dr. p. 819; Gaz. vol. 136; p. 1793.
- Morse, W. E. H., Algona, Iowa. Heating device. No. 881,017; Mar. 3; Sp. p. 1057; Dr. p. 229; Gaz. vol. 133; p. 180.
- Morse, W. F., assignor to S. R. Parry, Rochester, N. Y. Machine for cutting box-forms. No. 891,359; June 23; Sp. p. 4406; Dr. pp. 959-60; Gaz. vol. 134; p. 1854.
- Morse, Williams and Company. (See Harvey, M., assignor.)
- Mortensen, W. C., Salt Lake City, Utah, assignor of one-half to J. R. Harris, Woodruff, Idaho. Electric heating device. No. 900,295; Oct. 6; Sp. p. 479; Dr. p. 99; Gaz. vol. 136; p. 1148.
- Mortrud, E., Torderød, near Moss, Norway. Pump for corrosive fluids. No. 879,484; Feb. 18; Sp. p. 3272; Dr. p. 682; Gaz. vol. 132; p. 1442.
- Mortrud, E., Torderød, near Moss, Norway. Apparatus for transmitting heat from one medium to another. No. 900,411; Oct. 6; Sp. p. 716; Dr. p. 149; Gaz. vol. 136; p. 1185.
- Mortrud, E., Christiania, Norway. Manufacture of cellulose. No. 883,328; Mar. 31; Sp. p. 5655; Dr. p. 1207; Gaz. vol. 133; p. 1053.
- Mortimer, H. L., Sound Beach, assignor of one-half to J. Davenport, Stamford, Conn. Truss. No. 879,567; Feb. 18; Sp. p. 3440; Dr. p. 720; Gaz. vol. 132; p. 1469.
- Mortimer, J. D. D., Newport, England. Filing device. No. 901,988; Oct. 27; Sp. p. 4042; Dr. pp. 819-20; Gaz. vol. 136; p. 1793.
- Mortimer, J. N., assignor to Central Brass Manufacturing Company, Cleveland, Ohio. Stop and waste valve. No. 898,383; Sept. 8; Sp. p. 2298; Dr. p. 488; Gaz. vol. 136; p. 399.
- Morton, A. H., Lowell, Mass. Cotton-distributing apparatus. No. 881,940; Mar. 17; Sp. p. 2914; Dr. pp. 622-3; Gaz. vol. 133; p. 538.
- Morton, C. B., Buffalo, N. Y. Pipe-bending machine. No. 888,727; May 26; Sp. p. 4815; Dr. p. 1027; Gaz. vol. 134; p. 874.
- Morton, C. F., assignor of one-half to Rebhun Last Company, Cincinnati, Ohio. Last-lathe center. No. 891,782; June 23; Sp. p. 5274; Dr. p. 1141; Gaz. vol. 134; p. 1995.
- Morton, F. B., Pasadena, Cal. Drainage-fitting. (Reissue.) No. 12,741; Jan. 21; Sp. p. 3658; Dr. p. 793; Gaz. vol. 132; p. 664.
- Morton, G. W., Otsego, Mich. Horse-releaser. No. 904,552; Nov. 24; Sp. p. 4154; Gaz. vol. 137; p. 757.
- Morton, L. D., assignor to Hinde & Dauch Paper Company, Sandusky, Ohio. Packing-case. No. 905,449; Dec. 1; Sp. p. 681; Gaz. vol. 137; p. 1093.
- Morton, M., Muskegon Heights, Mich. Mechanism for planing shoes and wedges. No. 901,724; Oct. 20; Sp. p. 3499; Dr. p. 708; Gaz. vol. 136; p. 1678.
- Morton, M., Muskegon Heights, and H. Mann, Muskegon, assignors to Morton Manufacturing Company, Muskegon Heights, Mich. Scribing mechanism. No. 893,532; July 14; Sp. p. 2319; Dr. p. 486; Gaz. vol. 135; p. 406.
- Morton, M. A., assignor of one-half to S. W. Johnson, Brownwood, Tex. Washboiler. No. 886,234; Apr. 28; Sp. p. 5252; Dr. p. 1107; Gaz. vol. 133; p. 2115.
- Morton, M. A., Brownwood, assignor of one-half to J. W. Whatley, Brown county, Tex. Building structure. No. 887,008; May 5; Sp. p. 1332; Dr. p. 282; Gaz. vol. 134; p. 221.
- Morton Manufacturing Company. (See Morton and Mann, assignors.)
- Morton, T., Rutherglen, Scotland. Chair-canopy. No. 900,572; Oct. 6; Sp. p. 1075; Dr. p. 220; Gaz. vol. 136; p. 1237.
- Morton, W. I., Berwick, Nova Scotia, Canada. Knife-handle. No. 884,030; Apr. 7; Sp. p. 732; Dr. p. 147; Gaz. vol. 133; p. 1309.
- Morway, J. W., Plainville, assignor to Sessions Clock Company, Forestville, Conn. Repeating alarm-clock. No. 885,359; Apr. 21; Sp. p. 3492; Dr. p. 728; Gaz. vol. 133; p. 1804.
- Morzinski, J., St. Paul, Minn. Rowboat. No. 906,261; Dec. 8; Sp. p. 2254; Gaz. vol. 137; p. 1386.
- Mosal, J. (See Culbertson, F., assignor.)
- Mosby, A. L., San Diego, Cal. Scissors. No. 881,704; Mar. 10; Sp. p. 2397; Dr. p. 520; Gaz. vol. 133; p. 431.
- Mosby, G. M., Red Bank, N. J. Device for honing and stropping razors. No. 876,825; Jan. 14; Sp. p. 2304; Dr. p. 507; Gaz. vol. 132; p. 408.
- Mosch, C. (See Mohr and Mosch.)
- Moscrop, J., Manchester, England. Yarn-testing machine. No. 876,216; Jan. 7; Sp. p. 1039; Dr. pp. 224-5; Gaz. vol. 132; p. 175.
- Moser, A. L. (See Ingraham and Moser.)
- Moser, F. J., Kane, Pa. Bailor. No. 896,566; Aug. 18; Sp. p. 3558; Dr. p. 765; Gaz. vol. 135; p. 1525.
- Moser, J. A., Bern, Ind. Tension-reel for cables. No. 888,639; May 26; Sp. p. 4645; Dr. p. 985; Gaz. vol. 134; p. 847.
- Moser, J. C. (See Clopton, W. G., assignor.)
- Moser, J. H. (See Mentzel and Moser.)
- Moser, R. B., et al. (See Brown, E. J., assignor.)
- Moses, C. L., Hilltop, W. Va. Metal-working tool. No. 897,641; Sept. 1; Sp. p. 810; Dr. p. 170; Gaz. vol. 136; p. 129.
- Moses, W. S., Tracy, Minn. Rotary engine. No. 901,813; Oct. 20; Sp. p. 3670; Dr. pp. 744-5; Gaz. vol. 136; p. 1706.
- Mosher, C. D., New York, N. Y. Steam-boiler. No. 876,477; Jan. 14; Sp. p. 1594; Dr. p. 343; Gaz. vol. 132; p. 292.
- Mosher, C. D., New York, N. Y. Steam-boiler. No. 876,478; Jan. 14; Sp. p. 1597; Dr. p. 343; Gaz. vol. 132; p. 293.
- Mosher, C. D., New York, N. Y. Steam-boiler. No. 876,479; Jan. 14; Sp. p. 1599; Dr. p. 344; Gaz. vol. 132; p. 293.
- Mosher, F. W., Omaha, Neb. Note-book holder. No. 892,288; June 30; Sp. p. 6283; Dr. p. 1353; Gaz. vol. 134; p. 2193.
- Mosher, M. C., Des Moines, Iowa. Tabulator. No. 887,954; May 19; Sp. p. 3286; Dr. p. 691; Gaz. vol. 134; p. 592.
- Moshier, H., Little Falls, N. Y. Mail-bag-catching crane. No. 906,546; Dec. 15; Sp. p. 2773; Gaz. vol. 137; p. 1503.
- Mosier, F. C., Pittston, Pa. Safety-cover for cartridges. No. 892,757; July 7; Sp. p. 716; Dr. p. 151; Gaz. vol. 135; p. 123.
- Moskovitz, F., B. Berkovits, and J. Günsberger, Nagyvárad, Austria-Hungary. Garment-fastener. No. 881,435; Mar. 10; Sp. p. 1879; Dr. p. 408; Gaz. vol. 133; p. 344.
- Moskowitz, M., New York, N. Y., assignor to United States Light & Heating Company. System of electrical regulation. No. 886,395; May 5; Sp. p. 106; Dr. p. 21; Gaz. vol. 134; p. 23.
- Moskowitz, M., assignor to United States Light & Heating Company, New York, N. Y. Electric regulation. No. 893,936; July 21; Sp. p. 3241; Dr. p. 667; Gaz. vol. 135; p. 569.
- Mosley, A. M., Guelph, Ontario, Canada. Pencil-sharpener. No. 877,357; Jan. 21; Sp. p. 3433; Dr. p. 745; Gaz. vol. 132; p. 626.
- Mosley, G. B., Paris, Tex. Cigarette-box. No. 897,222; Aug. 25; Sp. p. 4939; Dr. p. 1048; Gaz. vol. 135; p. 1762.
- Mosmeier, G., Apache, Okla. Draft-equalizer. No. 884,602; Apr. 14; Sp. p. 1895; Dr. p. 406; Gaz. vol. 133; p. 1524.
- Moss, C. E., Boston, Mass. Machine for drying sheet material. No. 876,007; Jan. 7; Sp. p. 626; Dr. pp. 133-4; Gaz. vol. 132; p. 109.
- Moss, C. E., Boston, Mass. Machine for washing sheet material. No. 899,424; Sept. 22; Sp. p. 4290; Dr. p. 921; Gaz. vol. 136; p. 795.
- Moss, C. T., Clinton, Iowa. Wheel guard or fender. No. 904,980; Nov. 24; Sp. p. 5045; Gaz. vol. 137; p. 899.
- Moss, E., Christchurch, New Zealand. Machine for use in stamping and franking letters, telegrams, and the like. No. 897,004; Aug. 25; Sp. p. 4505; Dr. p. 963; Gaz. vol. 135; p. 1691.
- Moss, F. M., Burkes Garden, Va. Fodder and corn shock binder. No. 882,954; Mar. 24; Sp. p. 4909; Dr. p. 1041; Gaz. vol. 133; p. 902.
- Moss, G., St. Peter, Minn. Cloth. No. 882,832; Mar. 24; Sp. p. 4657; Dr. p. 991; Gaz. vol. 133; p. 862.
- Moss, M. A., Chillicothe, Mo. Wire-fence-building machine. No. 906,547; Dec. 15; Sp. p. 2775; Gaz. vol. 137; p. 1504.
- Moss, R. F., Booker, Va. Peanut-digger. No. 887,340; May 12; Sp. p. 2054; Dr. p. 430; Gaz. vol. 134; p. 360.
- Moss Rose Manufacturing Company. (See Earnshaw, J. C., assignor.)
- Moss, S., assignor to Sheip & Vandergrift, Inc., Philadelphia, Pa. Horn for talking-machines. No. 889,480; June 2; Sp. p. 592; Dr. p. 138; Gaz. vol. 134; p. 1151.
- Moss, S. A., Lynn, Mass., assignor to General Electric Company. Governing mechanism for oil or gas engines. No. 891,360; June 23; Sp. p. 4411; Dr. p. 960; Gaz. vol. 134; p. 1855.
- Moss, S. A., Lynn, Mass., assignor to General Electric Company. Combustion-chamber. No. 891,715; June 23; Sp. p. 5148; Dr. p. 1112; Gaz. vol. 134; p. 1972.
- Mossop, C. S., Seaville, N. J. Railway-crossing. No. 890,291; June 9; Sp. p. 2228; Dr. pp. 489-90; Gaz. vol. 134; p. 1441.

Alphabetical list of patentees—Continued.

- Mosteller, D. H., assignor to Mosteller Manufacturing Company, Chicago, Ill. Bread and meat slicer. No. 885,274; Apr. 21; Sp. p. 3310; Dr. p. 691; Gaz. vol. 133; p. 1776.
- Mosteller, D. H., assignor to Mosteller Manufacturing Company, Chicago, Ill. Fruit and vegetable pitter. No. 892,676; July 7; Sp. p. 50; Dr. p. 116; Gaz. vol. 135; p. 97.
- Mosteller, D. H., assignor to Mosteller Manufacturing Company, Chicago, Ill. Liquid-strainer. No. 897,005; Aug. 25; Sp. p. 4507; Dr. p. 964; Gaz. vol. 135; p. 1692.
- Mosteller Manufacturing Company. (See Mosteller, D. H., assignor.)
- Motheral, W. B., Washington, D. C. Boat. No. 900,296; Oct. 6; Sp. p. 479; Dr. pp. 99-100; Gaz. vol. 136; p. 1148.
- Motheral, W. B., North McGregor, Iowa, assignor to Gliding Boat Company of America, New York, N. Y. Boat. No. 900,680; Oct. 6; Sp. p. 1313; Dr. p. 269; Gaz. vol. 136; p. 1274.
- Motor Car Equipment Company. (See Gernsback, H., assignor.)
- Motor Specialty Manufacturing Company. (See Luschka, A. R., assignor.)
- Motoraktiebolaget Reversator. (See Ringi, S. I. S., assignor.)
- Motsinger Device Mfg. Co. (See Motsinger, H. N., assignor.)
- Motsinger, H. N., assignor to Motsinger Device Mfg. Co., Pendleton, Ind. Spark-timer for gas-engines. No. 907,628; Dec. 22; Sp. p. 4926; Gaz. vol. 137; p. 1889.
- Mott, A. (See Taylor, Parsons, Mott, Taylor, and Fisher.)
- Mott, F., Shabbona, Mich. Submarine boat. No. 883,040; Mar. 24; Sp. p. 5063; Dr. p. 1079; Gaz. vol. 133; p. 929.
- Mott, F. M., Douglas, Ariz. Ter. Feeder. No. 896,656; Aug. 18; Sp. p. 3719; Dr. pp. 800-1; Gaz. vol. 135; p. 1552.
- Mott, G., New York, N. Y., and A. G. Koentig, Weehawken, N. J. Trolley-pole head. No. 885,776; Apr. 28; Sp. p. 4338; Dr. p. 909; Gaz. vol. 133; p. 1964.
- Mott, J. L. (See Anderson, D. W., assignor.)
- Mott, J. V., New York, N. Y. Electric switch and system of control. No. 898,766; Sept. 15; Sp. p. 3054; Dr. p. 655; Gaz. vol. 136; p. 555.
- Mott, W. F., Cleveland, Ohio. Bedstead attachment. No. 881,018; Mar. 3; Sp. p. 1058; Dr. p. 229; Gaz. vol. 133; p. 180.
- Motter, J. S. (See Dosselman and Motter, assignors.)
- Moughler, W. F., Toledo, assignor to Vacuum and Compressor Company, Wauseon, Ohio. Dust separator and collector. No. 881,194; Mar. 10; Sp. p. 1393; Dr. p. 301; Gaz. vol. 133; p. 266.
- Moughler, W. F., Toledo, assignor to Vacuum and Compressor Company, Wauseon, Ohio. Sight-glass and separator for pneumatic renovators. No. 881,195; Mar. 10; Sp. p. 1396; Dr. p. 301; Gaz. vol. 133; p. 267.
- Moukos, C. (See Matchette and Moukos.)
- Moukos, C., assignor to F. J. Matchette, Milwaukee, Wis. Pneumatic cleaning-tool. No. 882,574; Mar. 24; Sp. p. 4139; Dr. p. 878; Gaz. vol. 133; p. 776.
- Moul, J. F., Osnaburg, assignor of one-half to F. Tyson, Canton, Ohio. Apparatus for heating, cooling, and pasteurizing liquids. No. 890,684; June 16; Sp. p. 3018; Dr. pp. 662-3; Gaz. vol. 134; p. 1602.
- Moul, M., Hanover, Pa. Shuttle-motion for looms. No. 878,148; Feb. 4; Sp. p. 500; Dr. p. 107; Gaz. vol. 132; p. 932.
- Mouldin, J. T. (See Ramage, J. T., assignor.)
- Moulili, E., Jacksonville, Fla. Pollen-collecting device. No. 877,791; Jan. 28; Sp. p. 4283; Dr. p. 930; Gaz. vol. 132; p. 787.
- Moulthrop, L. H., assignor to Perkins Electric Switch Mfg. Company, Bridgeport, Conn. Switch. No. 908,307; Dec. 29; Sp. p. 6363; Gaz. vol. 137; p. 2146.
- Moulton, A., *et al.* (See Sandlin, W. C., assignor.)
- Moulton, A. H., Chicago, Ill. Punch. No. 890,995; June 16; Sp. p. 3687; Dr. p. 804; Gaz. vol. 134; p. 1704.
- Moulton, W. E., Plain City, Ohio. Top-notch for umbrellas. No. 904,349; Nov. 17; Sp. p. 3728; Gaz. vol. 137; p. 663.
- Mount Lyell Mining and Railway Company. (See Sanderson, F. S., assignor.)
- Mountford, F., Longton, England. Apparatus for decorating pottery and other ware. No. 884,031; Apr. 7; Sp. p. 733; Dr. pp. 148-52; Gaz. vol. 133; p. 1309.
- Mountford, J. T., East Liverpool, Ohio. Fountain-brush. No. 907,850; Dec. 29; Sp. p. 5397; Gaz. vol. 137; p. 1993.
- Mouradick, T., Mojave, Cal. Sled. No. 875,723; Jan. 7; Sp. p. 87; Dr. p. 18; Gaz. vol. 132; p. 19.
- Mourgeon, L., assignor to A. Huillard, Suresnes, France. Drying apparatus. No. 885,360; Apr. 21; Sp. p. 3494; Dr. p. 729; Gaz. vol. 133; p. 1805.
- Mousseau, E., Green Bay, Wis. Kettle-tilter. No. 897,477; Sept. 1; Sp. p. 484; Dr. p. 103; Gaz. vol. 136; p. 77.
- Mouthuy, C., Pittsburg, Kans. Woodworker's clamp. No. 891,091; June 16; Sp. p. 3850; Dr. p. 841; Gaz. vol. 134; p. 1734.
- Moutier, E. A. (See Monard, Dumartin, and Moutier.)
- Mowlds, T. D., Bala, Pa. Rock-channeling machine. No. 880,903; Mar. 3; Sp. p. 852; Dr. pp. 181-2; Gaz. vol. 133; p. 143.
- Mowrer, W., Bloomfield, Nebr. Gas-generator. No. 876,217; Jan. 7; Sp. p. 1042; Dr. p. 225; Gaz. vol. 132; p. 175.
- Mowry, A. L., and J. F. Mullaney, Colorado Springs, Colo. Milk-strainer. No. 902,675; Nov. 3; Sp. p. 275; Gaz. vol. 137; p. 47.
- Mowry, H. S. (See Brazeal, F. E., assignor.)
- Mowry, J. B., Mansfield, Ohio. Feed-water governor. No. 876,725; Jan. 14; Sp. p. 2128; Dr. p. 467; Gaz. vol. 132; p. 377.
- Moxham, A. J., Wilmington, Del. Keg or vessel. No. 902,594; Nov. 3; Sp. p. 131; Gaz. vol. 137; p. 22.
- Moy, E. F., and P. H. Bastie, London, England. Apparatus for forming screw-threads. No. 885,068; Apr. 21; Sp. p. 2859; Dr. p. 607; Gaz. vol. 133; p. 1707.
- Moy, J. F., Woodcliff, N. J. Attachment for nutcrackers. No. 883,558; Mar. 31; Sp. p. 6157; Dr. p. 1309; Gaz. vol. 133; p. 1127.
- Moya, H., Leicester, England. Type-writer. No. 876,989; Jan. 21; Sp. p. 2673; Dr. pp. 581-2; Gaz. vol. 132; p. 503.
- Moyer, E. H., Rockford, assignor of one-half to J. Moyer, Van Wert, Ohio. Hay-rack. No. 882,407; Mar. 17; Sp. p. 3812; Dr. p. 815; Gaz. vol. 133; p. 689.
- Moyer, F. H., Clairton, Pa. Gas-washer. No. 886,009; Apr. 28; Sp. p. 4829; Dr. pp. 1014-15; Gaz. vol. 133; p. 2043.
- Moyer, F. H., Clairton, Pa. Gas-washer. No. 886,304; Apr. 28; Sp. p. 5396; Dr. p. 1133; Gaz. vol. 133; p. 2140.
- Moyer, J. (See Moyer, E. H., assignor.)
- Moyer, S. T. (See Ward, W. J., assignor.)
- Moyers, W. F., Williamsburg, Ky. Lace-curtain stretcher. No. 906,910; Dec. 15; Sp. p. 3468; Gaz. vol. 137; p. 1618.
- Moylan, A. M., and S. T. Tracy, Century, Fla. Means for sealing envelops and affixing stamps thereto. No. 887,829; May 19; Sp. p. 3044; Dr. pp. 639-41; Gaz. vol. 134; p. 551.
- Mroczkowski, Z., Chicago, Ill. Metallic railway-tie. No. 905,344; Dec. 1; Sp. p. 424; Gaz. vol. 137; p. 1056.
- Mücke, G., Reisenberg, Austria-Hungary. Signaling device for incubators. No. 886,148; Apr. 28; Sp. p. 5108; Dr. p. 1073; Gaz. vol. 133; p. 2088.
- Mucklé, J. S., Philadelphia, Pa. Safety device for elevators. No. 893,349; July 14; Sp. p. 1929; Dr. p. 405; Gaz. vol. 135; p. 347.
- Mucklow, W. (See Thomson, E. B., assignor.)
- Mudd, E. C., assignor of one-half to W. W. Graves, Jefferson City, Mo. Knockdown coop. No. 896,567; Aug. 18; Sp. p. 3561; Dr. pp. 765-6; Gaz. vol. 135; p. 1526.
- Mudge, B. C., Lynn, assignor to Oxford Linen Mills, North Brookfield, Mass. Machine for treating fibrous plants. No. 905,345; Dec. 1; Sp. p. 425; Gaz. vol. 137; p. 1056.
- Mudler, F. M., Pittsburg, Pa. Trolley-harp. No. 882,833; Mar. 24; Sp. p. 4658; Dr. p. 991; Gaz. vol. 133; p. 862.
- Muecke, H. A. (See Boemper, W. J., assignor.)
- Mueller, A. J., Chicago, Ill. Tie for building-blocks. No. 880,154; Feb. 25; Sp. p. 4676; Dr. p. 985; Gaz. vol. 132; p. 1694.
- Mueller, A. W., Cincinnati, Ohio. Go-cart. No. 893,007; July 14; Sp. p. 1268; Dr. pp. 267-8; Gaz. vol. 135; p. 236.
- Mueller, A. W., Cincinnati, Ohio. Lead-pencil sharpener. No. 895,188; Aug. 4; Sp. p. 822; Dr. p. 173; Gaz. vol. 135; p. 1031.
- Mueller Brothers Art and Manufacturing Company. (See Mueller, J., assignor.)
- Mueller, C. A., *et al.* (See Latsch, C., assignor.)
- Mueller, F., assignor to Standard Stopper Company, New York, N. Y. Equalizing mechanism. No. 876,381; Jan. 14; Sp. p. 1386; Dr. p. 299; Gaz. vol. 132; p. 259.
- Mueller, F., assignor to Standard Stopper Company, New York, N. Y. Feeding mechanism. No. 876,382; Jan. 14; Sp. p. 1390; Dr. p. 300; Gaz. vol. 132; p. 260.
- Mueller, F., assignor to Standard Stopper Company, New York, N. Y. Equalizing mechanism. No. 901,360; Oct. 20; Sp. p. 2678; Dr. pp. 549-50; Gaz. vol. 136; p. 1556.
- Mueller, G. L., Seattle, Wash. Fire-escape. No. 908,024; Dec. 29; Sp. p. 5772; Gaz. vol. 137; p. 2050.
- Mueller, H. (See Mueller, P. and H.)
- Mueller, H. (See Mueller and Schuermann.)
- Mueller, H., assignor to H. Mueller Manufacturing Company, Decatur, Ill. Making indicator-buttons. No. 879,788; Feb. 18; Sp. p. 3890; Dr. p. 816; Gaz. vol. 132; p. 1541.
- Mueller, H., assignor to H. Mueller Manufacturing Company, Decatur, Ill. Water-strainer. No. 894,035; July 21; Sp. p. 3469; Gaz. vol. 135; p. 604.
- Mueller, H., assignor to H. Mueller Manufacturing Company, Decatur, Ill. Water-strainer. No. 908,308; Dec. 29; Sp. p. 6364; Gaz. vol. 137; p. 2146.

Alphabetical list of patentees—Continued.

- Mueller, H., assignor to H. Mueller Manufacturing Company, Decatur, Ill. Shiftable index for cocks. No. 908,416; Dec. 29; Sp. p. 6600; Gaz. vol. 137; p. 2184.
- Mueller, J., St. Louis, Mo. Self-oiling die-stock. No. 895,881; Aug. 11; Sp. p. 2217; Dr. p. 473; Gaz. vol. 135; p. 1281.
- Mueller, J., assignor to Mueller Brothers Art and Manufacturing Company, Chicago, Ill. Frame. No. 886,840; May 5; Sp. p. 1021; Dr. p. 214; Gaz. vol. 134; p. 167.
- Mueller, J. E., Cairo, Ill. Sifter. No. 896,230; Aug. 18; Sp. p. 2873; Dr. p. 619; Gaz. vol. 135; p. 1417.
- Mueller, J. H., Oakley, Ill. Back-supporter. No. 880,904; Mar. 3; Sp. p. 859; Dr. p. 183; Gaz. vol. 133; p. 144.
- Mueller, J. R., Madison, Minn. Wheel-plow. No. 906,051; Dec. 8; Sp. p. 1841; Gaz. vol. 137; p. 1316.
- Mueller, L. A., Kankakee, Ill. Bass-drum beater. No. 890,161; June 9; Sp. p. 1941; Dr. p. 428; Gaz. vol. 134; p. 1399.
- Mueller, O. H., Camberwell, England, assignor to H. R. Worthington. Counter-current condenser. No. 899,063; Sept. 22; Sp. p. 3590; Dr. p. 769; Gaz. vol. 136; p. 678.
- Mueller, O. N., Indianapolis, Ind. Reinforcing concrete. No. 876,480; Jan. 14; Sp. p. 1600; Dr. p. 344; Gaz. vol. 132; p. 293.
- Mueller, P. and H., and A. Schuermann, assignors to H. Mueller Manufacturing Company, Decatur, Ill. Swing-spout compression basin-cock. No. 879,400; Feb. 18; Sp. p. 3091; Dr. p. 642; Gaz. vol. 132; p. 1414.
- Mueller, P. and H., assignors to H. Mueller Manufacturing Company, Decatur, Ill. Right and left basin-cock. No. 879,401; Feb. 18; Sp. p. 3093; Dr. pp. 642-3; Gaz. vol. 132; p. 1415.
- Mueller, P. J., Lamotte, Iowa. Speed-regulator for spring-motors. No. 875,835; Jan. 7; Sp. p. 298; Dr. p. 64; Gaz. vol. 132; p. 55.
- Mueller, W. M., Los Angeles, Cal. Crushing-mill. No. 899,176; Sept. 22; Sp. p. 3828; Dr. p. 819; Gaz. vol. 136; p. 717.
- Muenger, F., assignor of one-half to C. von Wechmann, Hill City, S. D. Miner's safety-candlestick. No. 906,449; Dec. 8; Sp. p. 2593; Gaz. vol. 137; p. 1446.
- Muenzenberger, F. R., New York, N. Y. Vibrator. No. 905,561; Dec. 1; Sp. p. 911; Gaz. vol. 137; p. 1129.
- Mues, J., and J. H. Matthews, Northcote, near Melbourne, Victoria, assignors to New Australian Rifle Company, Proprietary, Limited, Melbourne, Australia. Magazine for rifles. No. 889,540; June 2; Sp. p. 699; Dr. p. 161; Gaz. vol. 134; p. 1169.
- Mugler, A., Brooklyn, N. Y. Machine for making book-covers. No. 880,033; Feb. 25; Sp. p. 4429; Dr. pp. 930-1; Gaz. vol. 132; p. 1655.
- Muhl, J., Struckkamp, Fehrn, Germany. Nest for hens. No. 884,032; Apr. 7; Sp. p. 739; Dr. p. 152; Gaz. vol. 133; p. 1310.
- Muhlfield, F. J., New York, N. Y. Manufacture of one-piece felt hats. No. 899,887; Sept. 29; Sp. p. 5263; Dr. p. 1126; Gaz. vol. 136; p. 983.
- Muhlfield, F. J., New York, N. Y. Head-piece for hat-crowns. No. 903,396; Nov. 10; Sp. p. 1710; Gaz. vol. 137; p. 312.
- Muhlfield, J. E. (See Miner and Muhlfield.)
- Muhlfield, J. E., Baltimore, Md. Journal-bearing for car and other axles. No. 904,634; Nov. 24; Sp. p. 4311; Gaz. vol. 137; p. 784.
- Muir, E., Springfield, Ill. Guard-rail appliance for railways. No. 892,869; July 7; Sp. p. 952; Dr. p. 200; Gaz. vol. 135; p. 160.
- Muir, J., Beith, Scotland. Shock-shifter hub. No. 889,951; June 9; Sp. p. 1498; Dr. p. 340; Gaz. vol. 134; p. 1327.
- Muirhead, F. J., administratrix. (See Muirhead, J.)
- Muirhead, J., deceased; F. J. Muirhead, administratrix, assignor of two-thirds to H. A. Doby, Pawtucket, and A. H. Perry, Providence, R. I. Boiler-tube cleaner. No. 903,754; Nov. 10; Sp. p. 2436; Gaz. vol. 137; p. 426.
- Muirhead, J. F., Moose Jaw, Saskatchewan, Canada. Fastener for sliding doors. No. 891,852; June 30; Sp. p. 5442; Dr. p. 1176; Gaz. vol. 134; p. 2049.
- Muirhead, W., Shettleston, Scotland. Purifying cast-iron in the manufacture of basic open-hearth steel. No. 894,779; July 28; Sp. p. 4959; Gaz. vol. 135; p. 866.
- Mulcahy, D. (See Pearce, L., assignor.)
- Mulcahy, D., et al. (See Watson, W. C., assignor.)
- Mulconroy Company. (See Morris and Mulconroy, assignors.)
- Mulconroy, J. J. (See Morris and Mulconroy.)
- Mulder, H. J., Alton, Iowa. Brooder. No. 899,177; Sept. 22; Sp. p. 3830; Dr. p. 820; Gaz. vol. 136; p. 717.
- Muldoon, T. F., Indianapolis, Ind. Cabinet for liners and blades for linotype-machines. No. 885,777; Apr. 28; Sp. p. 4339; Dr. p. 910; Gaz. vol. 133; p. 1965.
- Mulertz, G. N., Norfolk, Nebr. Pruning-shears. No. 887,494; May 12; Sp. p. 2389; Dr. pp. 502-3; Gaz. vol. 134; p. 410.
- Mulford, L. W. (See Haile, L. T., assignor.)
- Mulford, L. W., et al. (See Haile, L. T., assignor.)
- Mulkerins, T. M., Chicago, Ill. Cruet. No. 885,947; Apr. 28; Sp. p. 4794; Dr. p. 990; Gaz. vol. 133; p. 2024.
- Mulkey, B. W., Vale, Oreg. Combination mailing device and picture-frame. No. 896,231; Aug. 18; Sp. p. 2875; Dr. pp. 619-20; Gaz. vol. 135; p. 1417.
- Mull, C., Indianapolis, Ind., assignor to T. C. Prouty Company, Albion, Mich. Automatic-closing door. No. 879,883; Feb. 25; Sp. p. 4116; Dr. p. 864; Gaz. vol. 132; p. 1604.
- Mullaley, W. J., and J. E. Schenck, assignors to American Can Company, Chicago, Ill. Rectangular can for dried beef and other articles. No. 878,553; Feb. 11; Sp. p. 1414; Dr. p. 290; Gaz. vol. 132; p. 1100.
- Mullaney, J. F. (See Mowry and Mullaney.)
- Mullaney, W. F., C. B. Neuman, and M. Nicholson, Marshall, Minn. Grain-washing machine. No. 902,988; Nov. 3; Sp. p. 925; Gaz. vol. 137; p. 152.
- Mullen, B. J., Leetonia, Ohio. Gas-washer. No. 890,996; June 16; Sp. p. 3688; Dr. p. 804; Gaz. vol. 134; p. 1704.
- Mullen, H. J., Burlington, Vt. Electric illuminator. No. 892,177; June 30; Sp. p. 6070; Dr. p. 1306; Gaz. vol. 134; p. 2155.
- Mullen, T. J. (See Brennan and Mullen.)
- Mullen, T. J., and T. F. and M. J. Brennan, New York, N. Y. Brake. No. 904,711; Nov. 24; Sp. p. 4471; Gaz. vol. 137; p. 810.
- Mullen, W. W., Bunker Hill, Ind. Wagon-standard. No. 899,178; Sept. 22; Sp. p. 3832; Dr. p. 820; Gaz. vol. 136; p. 718.
- Mullenbach, J. K., Marshall, Mo. Milliner's pliers. No. 898,496; Sept. 15; Sp. p. 2533; Dr. p. 543; Gaz. vol. 136; p. 468.
- Müller, A., Gautzsch, assignor to Leipziger Pöhenwerke Gesellschaft mit beschränkter Haftung, Lausen, near Marktaustadt, Germany. Calculating-machine. No. 878,413; Feb. 4; Sp. p. 1046; Dr. pp. 211-12; Gaz. vol. 132; p. 1020.
- Müller, C., and C. Kramer, Stuttgart, Germany. Clock repeating mechanism. No. 888,836; May 26; Sp. p. 5070; Dr. p. 1082; Gaz. vol. 134; p. 910.
- Muller, C. F., F. M. Driscoll, and R. J. Barry, Oakland, Cal. System of tabulating cars. No. 881,019; Mar. 3; Sp. p. 1058; Dr. p. 230; Gaz. vol. 133; p. 180.
- Müller, C. H. (See Müller, J., assignor.)
- Müller, C. O., and A. Otto, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Red azo dye. No. 888,837; May 26; Sp. p. 5073; Gaz. vol. 134; p. 910.
- Muller, E. A., Madisonville, assignor to King Machine Tool Company, Winston Place, Ohio. Rapid-traverse mechanism. No. 882,074; Mar. 17; Sp. p. 3199; Dr. p. 680; Gaz. vol. 133; p. 582.
- Muller, E. P., Brooklyn, N. Y. Electric cigar-lighter. No. 897,766; Sept. 1; Sp. p. 1055; Dr. p. 227; Gaz. vol. 136; p. 171.
- Muller, E. W., assignor to H. Krantz, Brooklyn, N. Y. Electric-cable clamp. No. 897,300; Sept. 1; Sp. p. 57; Dr. pp. 14-15; Gaz. vol. 136; p. 13.
- Müller, F. (See Hoffmann and Müller.)
- Müller, F., Paderborn, Germany. Buck. No. 890,786; June 16; Sp. p. 3250; Dr. p. 711; Gaz. vol. 134; p. 1636.
- Müller, F. E., Dresden, assignor to B. Kossmann, Cologne, Germany. Refrigerating apparatus employing carbonic acid. No. 891,560; June 23; Sp. p. 4817; Dr. p. 1040; Gaz. vol. 134; p. 1920.
- Muller, G. A. H., St. John, New Brunswick, Canada. Means for exterminating insects and other vermin. No. 897,919; Sept. 8; Sp. p. 1401; Dr. p. 298; Gaz. vol. 136; p. 253.
- Muller, G. A. H., Montreal, Quebec, Canada. Means for exterminating insects and other vermin. No. 897,988; Sept. 8; Sp. p. 1552; Dr. p. 329; Gaz. vol. 136; p. 275.
- Müller, H., and J. Stein, London, England. Stringed musical instrument. No. 883,222; Mar. 31; Sp. p. 5442; Dr. p. 1159; Gaz. vol. 133; p. 1020.
- Müller, H., and K. Specker, St. Gallen, Switzerland. Holder for sheets of all kinds. No. 902,433; Oct. 27; Sp. p. 4957; Dr. p. 1001; Gaz. vol. 136; p. 1937.
- Müller, J., New York, N. Y. Built-up material for belts and the like. No. 904,350; Nov. 17; Sp. p. 3731; Gaz. vol. 137; p. 664.
- Müller, J., assignor to C. H. Müller, New York, N. Y. Rotary pump. No. 888,838; May 26; Sp. p. 5074; Dr. p. 1082; Gaz. vol. 134; p. 910.
- Müller, J. P., New Rochelle, N. Y. Pyrographic tool. No. 878,414; Feb. 4; Sp. p. 1048; Dr. p. 212; Gaz. vol. 132; p. 1020.
- Müller-Jacobs, A., assignor to C. Müller-Jacobs, Huntington, N. Y., and E. Weingartner, Englewood, N. J. Bleaching beeswax. No. 883,661; Mar. 31; Sp. p. 6352; Gaz. vol. 133; p. 1159.
- Müller-Jacobs, C., et al. (See Müller-Jacobs, A., assignor.)
- Müller, O. A., Ambler, Pa. Wire support for plants. No. 897,006; Aug. 25; Sp. p. 4509; Dr. p. 964; Gaz. vol. 135; p. 1692.
- Müller, O. M., Gelsenkirchen-Schalke, Germany. Self-igniting device. No. 904,886; Nov. 24; Sp. p. 4862; Gaz. vol. 137; p. 869.
- Müller, R. Gothenburg, Sweden, assignor to Maschinenfabrik St. Georgen Bei St. Gallen Commandit-Gesellschaft Ludwig von Süsskind, St. Gallen, Switzerland. Gas-furnace for chain-link welding or the like. No. 888,112; May 19; Sp. p. 3594; Dr. pp. 752-3; Gaz. vol. 134; p. 642.
- Muller, T., New York, N. Y. Device for the protection of meters. No. 898,384; Sept. 8; Sp. p. 2239; Dr. p. 489; Gaz. vol. 136; p. 400.
- Müller, W., Affoltern, Switzerland. Contrivance for feeding moving fabrics into calendering-machines. No. 879,298; Feb. 18; Sp. p. 2888; Dr. p. 602; Gaz. vol. 132; p. 1382.

Alphabetical list of patentees—Continued.

- Muller, W., Pittsburgh, Pa. Wrench. No. 895,882; Aug. 11; Sp. p. 2219; Dr. p. 473; Gaz. vol. 135; p. 1282.
 Müller, W., Philadelphia, Pa. Automobile-tire. No. 898,497; Sept. 15; Sp. p. 2534; Dr. p. 543; Gaz. vol. 136; p. 469.
 Muller, W. B. (See Mahood, C. F., assignor.)
 Mullikin, E. H., Dallas, Tex. Sanding-machine. No. 885,069; Apr. 21; Sp. p. 2860; Dr. p. 608; Gaz. vol. 133; p. 1708.
 Mullin, J. R., and W. B. Williams, Rome, N. Y. Wire-fastener. No. 884,189; Apr. 7; Sp. p. 1090; Dr. p. 227; Gaz. vol. 133; p. 1361.
 Mullin, T. W., Lowell, Mass. Metal-finishing machine. No. 891,281; June 23; Sp. p. 4241; Dr. pp. 928-9; Gaz. vol. 134; p. 1828.
 Mullin, W., New York, N. Y. Clothes-line clamp. No. 882,408; Mar. 17; Sp. p. 3813; Dr. p. 815; Gaz. vol. 133; p. 689.
 Mullinix, D. L., Greencastle, Ind. Wire-fence compensator. No. 906,814; Dec. 15; Sp. p. 3279; Gaz. vol. 137; p. 1588.
 Mullinix, E. A. (See Buchet and Mullinix.)
 Mullinix, E. E., Burlington, Kans. Combination-tool. No. 875,724; Jan. 7; Sp. p. 88; Dr. p. 18; Gaz. vol. 132; p. 19.
 Mullins, W. H. (See Nelson and Mullins.)
 Multiscope & Film Company. (See Fyfe, J. C., assignor.)
 Mulvaney, J. (See McCabe, Parker, and Mulvaney.)
 Mumby, B., Waterloo, Iowa. Sad-iron. No. 906,150; Dec. 8; Sp. p. 2036; Gaz. vol. 137; p. 1349.
 Mumford, E. R., Dumbarton, Scotland. Aerodrome or flying-machine. No. 892,380; June 30; Sp. p. 6455; Dr. p. 1392; Gaz. vol. 134; p. 2221.
 Mumford, W. J., South Bend, Wash. Clam-digger. No. 880,686; Mar. 3; Sp. p. 386; Dr. p. 84; Gaz. vol. 133; p. 69.
 Mumma, I., assignor to Gem City Acetylene Generator Company, Dayton, Ohio. Acetylene-generator. No. 885,361; Apr. 21; Sp. p. 3495; Dr. pp. 729-31; Gaz. vol. 133; p. 1805.
 Munce, H. R. and R. J., Washington, Pa. Wrench. No. 897,767; Sept. 1; Sp. p. 1056; Dr. p. 227; Gaz. vol. 136; p. 171.
 Munce, R. J. (See Munce, H. R. and R. J.)
 Munch, A., St. Paul, Minn. Ratchet-wrench. No. 878,657; Feb. 11; Sp. p. 1643; Dr. p. 337; Gaz. vol. 132; p. 1135.
 Munch, W. (See Stose, C. E., assignor.)
 Munch, W., Kansas City, Mo. Attachment for sanding-machines. No. 885,275; Apr. 21; Sp. p. 3312; Dr. p. 692; Gaz. vol. 133; p. 1776.
 Mund, C. C., Cincinnati, Ohio. Separable fastening. No. 882,708; Mar. 24; Sp. p. 4403; Dr. p. 936; Gaz. vol. 133; p. 821.
 Munden, J., Bradenville, Pa. Engine. No. 894,682; July 23; Sp. p. 4799; Dr. pp. 996-7; Gaz. vol. 135; p. 837.
 Munday, S., London, England. Puncture-closing device. No. 896,850; Aug. 25; Sp. p. 4155; Dr. p. 890; Gaz. vol. 135; p. 1641.
 Mundhenk, C. J., Freeport, Ill. Internal-combustion engine. No. 886,235; Apr. 28; Sp. p. 5254; Dr. p. 1107; Gaz. vol. 133; p. 2116.
 Mundt, A. J., Ontonagon, Mich. Bullet-mold. No. 904,273; Nov. 17; Sp. p. 3558; Gaz. vol. 137; p. 636.
 Mundy, K. E., administratrix. (See Mundy, W. O.) (Reissue.)
 Mundy, W. O., deceased; K. E. Mundy, administratrix, assignor to Westinghouse Air Brake Co., Pittsburgh Pa. Air-brake. (Reissue.) No. 12,863; Oct. 13; Sp. p. 2566; Dr. p. 528; Gaz. vol. 136; p. 1503.
 Munford, M. W., Hawkinsville, Ga. Sectional umbrella-stick. No. 891,629; June 23; Sp. p. 4966; Dr. p. 1070; Gaz. vol. 134; p. 1943.
 Munger, E. T., Chicago, Ill. Safety appliance for electric-railway trains. No. 892,677; July 7; Sp. p. 552; Dr. p. 116; Gaz. vol. 135; p. 98.
 Munly, M. N. (See Gilbert, J. S., assignor.)
 Munn, M. C., Sycamore, Ill. Apparatus for molding bases on fence-posts. No. 898,671; Sept. 15; Sp. p. 2879; Dr. p. 616; Gaz. vol. 136; p. 524.
 Munn, R. E., Toledo, Ohio. Flask-clamp. No. 888,185; May 19; Sp. p. 3721; Dr. p. 778; Gaz. vol. 134; p. 665.
 Munro, J., and A. Gerard, Ottawa, Ontario, Canada. Automatic counter. No. 879,189; Feb. 18; Sp. p. 2669; Dr. pp. 557-8; Gaz. vol. 132; p. 1346.
 Munro, W. T., East Blairinn, Cumbernauld, Scotland. Automatic fire-alarm. No. 886,624; May 5; Sp. p. 558; Dr. p. 117; Gaz. vol. 134; p. 98.
 Munroe, A. L. (See Thornton and Munroe.)
 Munroe, D. D. (See Hall, I. L., assignor.)
 Munroe, P. H., deceased, Plainfield, Ill.; J. Van Horn, administrator. Motor-plow. No. 889,143; May 26; Sp. p. 5682; Dr. pp. 1202-3; Gaz. vol. 134; p. 1009.
 Munroe, W. H., Maplewood, Mass. Spindling plug for paper cores. No. 880,687; Mar. 3; Sp. p. 388; Dr. p. 84; Gaz. vol. 133; p. 69.
 Munsell, W. W., Chicago, Ill. Fastening for laces. No. 899,888; Sept. 29; Sp. p. 5266; Dr. p. 1127; Gaz. vol. 136; p. 984.
 Munsey, A., Swampscott, assignor to Munsey Shank & Counter Co., Lynn, Mass. Shoe-shank. No. 903,140; Nov. 3; Sp. p. 1205; Gaz. vol. 137; p. 197.
 Munsey Shank & Counter Co. (See Munsey, A., assignor.)
 Munson, A. J., Garretson, S. D. Car-door. No. 877,792; Jan. 28; Sp. p. 4285; Dr. p. 930; Gaz. vol. 132; p. 787.
 Munson, E. G., Garrettsville, Ohio. Cultivator-fender. No. 899,753; Sept. 29; Sp. p. 4977; Dr. p. 1067; Gaz. vol. 136; p. 940.
 Munson, H. H., Truro, Iowa. Gearing for washing-machines. No. 877,106; Jan. 21; Sp. p. 2922; Dr. p. 632; Gaz. vol. 132; p. 543.
 Munson, H. S., Redlands, Cal. Flume-gate. No. 907,851; Dec. 29; Sp. p. 5398; Gaz. vol. 137; p. 1993.
 Munting, A., Stockholm, Sweden. Method and apparatus for producing cellulose. No. 882,790; Mar. 24; Sp. p. 4557; Dr. p. 973; Gaz. vol. 133; p. 847.
 Munyan, H. W., Worcester, Mass. Battery-connector. No. 907,852; Dec. 29; Sp. p. 5399; Gaz. vol. 137; p. 1994.
 Munz, C. W., Detroit, Mich. Machine for graining wood. No. 890,162; June 9; Sp. p. 1942; Dr. p. 428; Gaz. vol. 134; p. 1399.
 Munz, C. W., Detroit, Mich. Closing and locking device for extension-table pedestals. No. 906,151; Dec. 8; Sp. p. 2037; Gaz. vol. 137; p. 1349.
 Munzert, H. (See Haeck and Munzert.)
 Munzshelmer, A., Dallas, Tex. Inking-roller for printing-presses. No. 905,562; Dec. 1; Sp. p. 912; Gaz. vol. 137; p. 1129.
 Murchey, W., Detroit, Mich. Machine for boring, tapping, &c. No. 907,163; Dec. 22; Sp. p. 3949; Gaz. vol. 137; p. 1734.
 Murchison, I. A., Manchester, N. C. Cotton-picker. No. 886,236; Apr. 18; Sp. p. 5256; Dr. p. 1107; Gaz. vol. 133; p. 2116.
 Murdoch, A., Ottawa, Ontario, Canada. Stock-car. No. 876,990; Jan. 21; Sp. p. 2677; Dr. p. 582; Gaz. vol. 132; p. 504.
 Murdoch, A., Montreal, Quebec, Canada. Fish-trap. No. 873,820; Feb. 11; Sp. p. 1950; Dr. p. 403; Gaz. vol. 132; p. 1187.
 Murdoch, M. J., and J. P. Ludt, Youngstown, Ohio. Hot-air furnace. No. 876,481; Jan. 14; Sp. p. 1601; Dr. p. 345; Gaz. vol. 132; p. 204.
 Murdock, E. F., East Orange, N. J., assignor to Floor Scraping Machine Company. Floor surfacing and polishing machine. No. 902,246; Oct. 27; Sp. p. 4548; Dr. pp. 922-3; Gaz. vol. 136; p. 1874.
 Murdock, C. J., Newark, N. J. Pumping apparatus. No. 899,458; Sept. 22; Sp. p. 4349; Dr. pp. 933-4; Gaz. vol. 136; p. 806.
 Murdock, J. L., Boundbrook, N. J. Rotary converter. No. 882,531; Mar. 17; Sp. p. 4056; Dr. p. 863; Gaz. vol. 133; p. 731.
 Murdock, M. L., and J. C. Gallagher, Elmhurst, N. Y.; said Gallagher assignor to said Murdock. Automatic telephone-alarm. No. 880,155; Feb. 25; Sp. p. 4677; Dr. p. 985; Gaz. vol. 132; p. 1694.
 Murdock, W. (See Dennis, H. D., assignor.)
 Muri, A., and M. Krompigel, Etna, Pa. Puzzle. No. 906,450; Dec. 8; Sp. p. 2594; Gaz. vol. 137; p. 1446.
 Muri, J. M., Sweetwater, Tex. Insect-destroyer. No. 898,909; Sept. 15; Sp. p. 3311; Dr. pp. 709-10; Gaz. vol. 136; p. 602.
 Murfin, W. M., Sleepy Eye, Minn. Wire-stretcher. No. 895,663; Aug. 11; Sp. p. 1770; Dr. p. 376; Gaz. vol. 135; p. 1211.
 Murgas, J., Wilkes-Barre, Pa. Means for producing electromagnetic waves. No. 876,383; Jan. 14; Sp. p. 1392; Dr. p. 300; Gaz. vol. 132; p. 260.
 Murnane, D. J., Kirkwood, Mo. Device for connecting glass plates together. No. 877,107; Jan. 21; Sp. p. 2923; Dr. pp. 632-3; Gaz. vol. 132; p. 543.
 Murnane, D. J., Kirkwood, Mo. Casting articles. No. 890,293; June 9; Sp. p. 2233; Dr. p. 491; Gaz. vol. 134; p. 1442.
 Murnane, D. J., Kirkwood, Mo. Apparatus for forming sheets of glass. No. 901,725; Oct. 20; Sp. p. 3502; Dr. p. 708; Gaz. vol. 136; p. 1678.
 Murphy, A., Sr. (See Wheeldon, W. M., assignor.)
 Murphy, C., Kingman, Kans. Fish-hook attachment. No. 877,793; Jan. 28; Sp. p. 4287; Dr. p. 931; Gaz. vol. 132; p. 787.
 Murphy, C. A., Chicago, Ill. Needle-threader. No. 875,725; Jan. 7; Sp. p. 89; Dr. p. 19; Gaz. vol. 132; p. 20.
 Murphy, C. A., Chatfield, Minn. Rail-tie. No. 884,190; Apr. 7; Sp. p. 1091; Dr. p. 228; Gaz. vol. 133; p. 1361.
 Murphy, D. A., Westmount, Quebec, Canada. Pressure-applying machine. No. 907,853; Dec. 29; Sp. p. 5400; Gaz. vol. 137; p. 1994.
 Murphy, D. H., New Castle, Pa. Means for electroplating rods, pipes, &c. No. 891,361; June 23; Sp. p. 4414; Dr. pp. 960-1; Gaz. vol. 134; p. 1855.
 Murphy, D. W., assignor to Warren Axe and Tool Company, Warren, Pa. Log-grab. No. 901,304; Oct. 13; Sp. p. 2548; Dr. pp. 524-5; Gaz. vol. 136; p. 1500.
 Murphy, F. M., assignor to one-half to T. Flanagan, Jersey City, N. J. Phonograph-horn. No. 880,388; Feb. 25; Sp. p. 5136; Dr. p. 1085; Gaz. vol. 132; p. 1771.
 Murphy, F. W., Buffalo, N. Y. Amusement device. No. 892,070; June 30; Sp. p. 5860; Dr. pp. 1261-2; Gaz. vol. 134; p. 2119.
 Murphy, G. F., Jersey City, N. J. Two-cycle diesel engine. No. 898,768; Sept. 15; Sp. p. 3061; Dr. p. 656; Gaz. vol. 136; p. 556.
 Murphy, H., Lowell, assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 877,108; Jan. 21; Sp. p. 2926; Dr. p. 633; Gaz. vol. 132; p. 543.
 Murphy, H. M., Chicago, Ill. Reversible turbine. No. 876,218; Jan. 7; Sp. p. 1043; Dr. p. 225; Gaz. vol. 132; p. 175.
 Murphy, I., North Leominster, Mass. Locking device for nuts. No. 890,685; June 16; Sp. p. 3020; Dr. p. 663; Gaz. vol. 134; p. 1602.
 Murphy, J., Pittsburgh, Pa. Car-truck. No. 888,640; May 26; Sp. p. 4646; Dr. p. 986; Gaz. vol. 134; p. 847.

Alphabetical list of patentees—Continued.

- Murphy, J. A., assignor of one-half to G. Nightingale, Holyoke, Mass. Mailing-tube. No. 901,305; Oct. 13; Sp. p. 2550; Dr. p. 525; Gaz. vol. 136; p. 1501.
- Murphy, J. E., Chicago, Ill. Reed-harmonica. No. 882,575; Mar. 24; Sp. p. 4142; Dr. p. 878; Gaz. vol. 133; p. 776.
- Murphy, J. F., Paterson, N. J. Rotary snow-plow. No. 899,606; Sept. 29; Sp. p. 4674; Dr. p. 1002; Gaz. vol. 136; p. 862.
- Murphy, J. F., Paterson, N. J. Lever mechanism for throttle-valves. No. 906,647; Dec. 15; Sp. p. 2955; Gaz. vol. 137; p. 1534.
- Murphy, J. J., assignor to Eagle Lock Co., Terryville, Conn. Permutation wheel-tumbler for locks. No. 901,116; Oct. 13; Sp. p. 2192; Dr. p. 446; Gaz. vol. 136; p. 1440.
- Murphy, J. L., assignor of one-half to E. A. Hardy, Denver, Colo. Hot-air-distributing device for furnaces. No. 901,814; Oct. 20; Sp. p. 3673; Dr. p. 746; Gaz. vol. 136; p. 1706.
- Murphy, J. M., Pittsburgh, Pa. Barb-forming machine. No. 899,317; Sept. 22; Sp. p. 4107; Dr. p. 878; Gaz. vol. 136; p. 762.
- Murphy, N. H., Hopkinton, and G. H. Putnam, Westboro, assignors of one-half to D. H. O'Connell, Marlboro, Mass. Sewing-machine for boots and shoes. No. 876,482; Jan. 14; Sp. p. 1604; Dr. p. 345; Gaz. vol. 132; p. 294.
- Murphy, P. J., Minneapolis, Minn. Portable folding-boat. No. 907,029; Dec. 22; Sp. p. 4928; Gaz. vol. 137; p. 1890.
- Murphy, T. J., New Bedford, Mass. Grindstone attachment. No. 889,481; June 2; Sp. p. 595; Dr. p. 139; Gaz. vol. 134; p. 1151.
- Murphy, T. M., assignor to Sanitary Street Cleaning & Sprinkling Machine Company, St. Louis, Mo. Flushing-head. No. 900,869; Oct. 13; Sp. p. 1703; Dr. pp. 343-4; Gaz. vol. 136; p. 1361.
- Murphy, T. M., assignor to Sanitary Street Cleaning & Sprinkling Machine Company, St. Louis, Mo. Street-washing machine. No. 900,870; Oct. 13; Sp. p. 1704; Dr. pp. 344-5; Gaz. vol. 136; p. 1362.
- Murphy, W. B., New York, N. Y. Syringe. No. 879,299; Feb. 18; Sp. p. 2890; Dr. p. 602; Gaz. vol. 132; p. 1382.
- Murphy, W. D. (See Conover and Murphy.)
- Murr, J., Celina, Ohio. Wheel-scraper for grain-drills or other vehicles. No. 888,524; May 26; Sp. p. 4390; Dr. p. 930; Gaz. vol. 134; p. 806.
- Murray, A. R., Johnstown, Pa., assignor to Lorain Steel Company. Retaining device for switch-points. No. 901,726; Oct. 20; Sp. p. 3504; Dr. pp. 708-9; Gaz. vol. 136; p. 1679.
- Murray, C., assignor of one-half to C. O'Connor, Trevorton, Pa. Miner's lamp. No. 884,191; Apr. 7; Sp. p. 1093; Dr. p. 228; Gaz. vol. 133; p. 1361.
- Murray, C. F. (See Floyd and Murray.)
- Murray, C. F., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Column-guide for car-trucks. No. 890,437; June 9; Sp. p. 2501; Dr. pp. 553-4; Gaz. vol. 134; p. 1488.
- Murray, C. F., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Swing-motion car-truck. No. 895,780; Aug. 11; Sp. p. 2019; Dr. p. 428; Gaz. vol. 135; p. 1249.
- Murray, C. F., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Column-guide for car-trucks. No. 903,490; Nov. 10; Sp. p. 1913; Gaz. vol. 137; p. 344.
- Murray, C. F., Chicago, Ill., assignor to C. W. and C. N. Kelley, Madison, Wis. Pulley. No. 899,754; Sept. 29; Sp. p. 4978; Dr. p. 1067; Gaz. vol. 136; p. 940.
- Murray, C. H., Macon, Ga. Double masseur and medicator. No. 883,329; Mar. 31; Sp. p. 5556; Dr. p. 1207; Gaz. vol. 133; p. 1053.
- Murray, E., Mullen, Nebr. Hay pitching and stacking apparatus. No. 881,705; Mar. 10; Sp. p. 2398; Dr. pp. 520-1; Gaz. vol. 133; p. 431.
- Murray, E. G., Philadelphia, Pa. Petticoat. No. 904,635; Nov. 24; Sp. p. 4315; Gaz. vol. 137; p. 785.
- Murray, E. T., Colorado Springs, Colo. Single-delivery match-box. No. 897,642; Sept. 1; Sp. p. 811; Dr. p. 170; Gaz. vol. 136; p. 129.
- Murray Engineering and Manufacturing Company. (See Murray, W. B., assignor.)
- Murray, G. W., Sumter, S. C., and C. V. Richey, Washington, D. C. Portable hoisting device. No. 887,495; May 12; Sp. p. 2390; Dr. p. 503; Gaz. vol. 134; p. 411.
- Murray, J. (See Moore and Murray.)
- Murray, J., Jamaica Plain, Mass. Automatic safety-valve for gas-supply pipes. No. 878,658; Feb. 11; Sp. p. 1644; Dr. p. 337; Gaz. vol. 132; p. 1135.
- Murray, J., Edinburgh, Scotland. Machine for casing in books. No. 879,485; Feb. 18; Sp. p. 3273; Dr. pp. 683-4; Gaz. vol. 132; p. 1442.
- Murray, J., Waterford, N. Y. Rotary engine. No. 882,576; Mar. 24; Sp. p. 4145; Dr. pp. 878-9; Gaz. vol. 133; p. 777.
- Murray, J., Utica, N. Y. Rail-spike supporter and protector. No. 887,830; May 19; Sp. p. 3050; Dr. p. 641; Gaz. vol. 134; p. 551.
- Murray, J., Lonerock, Iowa. Hinge. No. 889,631; June 2; Sp. p. 865; Dr. p. 198; Gaz. vol. 134; p. 1199.
- Murray, J., Tacoma, Wash. Saw-guard. No. 893,087; July 14; Sp. p. 1411; Dr. p. 298; Gaz. vol. 135; p. 262.
- Murray, J. A., New Haven, Conn., assignor to Seamless Rubber Company. Surgical pad. No. 880,389; Feb. 25; Sp. p. 5137; Dr. p. 1085; Gaz. vol. 132; p. 1771.
- Murray, J. E., Washington, Pa. Burglar-alarm. No. 879,568; Feb. 18; Sp. p. 3442; Dr. p. 721; Gaz. vol. 132; p. 1469.
- Murray, J. J. (See Farner, F. J., assignor.)
- Murray, J. W., assignor to W. G. Weil and L. W. Petersen, Chicago, Ill. Vending-machine. No. 889,389; June 2; Sp. p. 403; Dr. p. 95; Gaz. vol. 134; p. 1121.
- Murray, M. W., Longmeadow, Mass. Tool-holder. No. 906,263; Dec. 8; Sp. p. 2256; Gaz. vol. 137; p. 1387.
- Murray, P., Philadelphia, Pa. Lathe. No. 886,719; May 5; Sp. p. 786; Dr. p. 161; Gaz. vol. 134; p. 131.
- Murray, R. W., Rendville, Ohio. Valve for mine-pumps. No. 890,997; June 16; Sp. p. 3689; Dr. p. 804; Gaz. vol. 134; p. 1705.
- Murray, S., Dublin, Ontario, Canada. Automatic fire-alarm. No. 876,384; Jan. 14; Sp. p. 1394; Dr. p. 301; Gaz. vol. 132; p. 261.
- Murray, T. E., New York, N. Y. Fastening-wire for seals, &c. No. 880,688; Mar. 3; Sp. p. 390; Dr. p. 85; Gaz. vol. 133; p. 70.
- Murray, T. E., New York, N. Y. Automatic stoking device for furnaces. No. 884,603; Apr. 14; Sp. p. 1896; Dr. p. 407; Gaz. vol. 133; p. 1525.
- Murray, T. E., New York, N. Y. Seal-fastening. No. 884,604; Apr. 14; Sp. p. 1900; Dr. p. 408; Gaz. vol. 133; p. 1525.
- Murray, T. E., New York, N. Y. Seal-fastening. No. 885,634; Apr. 21; Sp. p. 4026; Dr. p. 841; Gaz. vol. 133; p. 1889.
- Murray, T. E., New York, N. Y. Automatic stoking device for furnaces. No. 885,635; Apr. 21; Sp. p. 4027; Dr. pp. 841-2; Gaz. vol. 133; p. 1889.
- Murray, T. E., New York, N. Y. Seal-fastening. No. 886,010; Apr. 28; Sp. p. 4832; Dr. p. 1015; Gaz. vol. 133; p. 2044.
- Murray, T. E., New York, N. Y. Seal-fastening. No. 894,278; July 28; Sp. p. 3990; Dr. p. 823; Gaz. vol. 135; p. 704.
- Murray, T. E., New York, N. Y. Electric cut-out and holder. No. 905,905; Dec. 8; Sp. p. 1572; Gaz. vol. 137; p. 1270.
- Murray, T. E., New York, N. Y. Seal-fastening. No. 906,052; Dec. 8; Sp. p. 1842; Gaz. vol. 137; p. 1317.
- Murray, T. E., New York, N. Y. Light-regulator for electric lamps. No. 908,117; Dec. 29; Sp. p. 5956; Gaz. vol. 137; p. 2081.
- Murray, T. E., New York, N. Y. Locking device for fuse-plugs. No. 908,118; Dec. 29; Sp. p. 5958; Gaz. vol. 137; p. 2081.
- Murray, T. F., Jamaica Plain, Mass. Foot-bar for printers' chases. No. 896,745; Aug. 25; Sp. p. 3920; Dr. p. 845; Gaz. vol. 135; p. 1603.
- Murray, T. R., Pittsburg, Pa. Fountain-brush. No. 906,451; Dec. 8; Sp. p. 2596; Gaz. vol. 137; p. 1446.
- Murray, W. A., and E. M. M. Babbitt, Sanford, Fla. Pipe-molding machine. No. 888,921; May 26; Sp. p. 5250; Dr. p. 1114; Gaz. vol. 134; p. 940.
- Murray, W. B., Washington, D. C., assignor to Murray Engineering and Manufacturing Company. Device for holding, alining, and punching metal tubes. No. 877,855; Jan. 28; Sp. p. 4402; Dr. p. 958; Gaz. vol. 132; p. 807.
- Murray, W. E., London, England. Machine for making chocolate. No. 882,646; Mar. 24; Sp. p. 4288; Dr. p. 909; Gaz. vol. 133; p. 801.
- Murray, W. E., Los Angeles, Cal. Steady-floating structure. No. 889,801; June 2; Sp. p. 1186; Dr. pp. 274-5; Gaz. vol. 134; p. 1252.
- Murray, W. E., Los Angeles, Cal. Steady-floating structure. No. 898,128; Sept. 8; Sp. p. 1830; Dr. p. 389; Gaz. vol. 136; p. 319.
- Murray, W. J., *et al.* (See Jones, J. F., assignor.)
- Murray, W. J., New York, N. Y. Scaffold. No. 882,206; Mar. 17; Sp. p. 3441; Dr. p. 722; Gaz. vol. 133; p. 622.
- Murray, W. J., assignor of one-half to H. W. Wolcott, Leavenworth, Kans. Electric car-recording block-signal. No. 895,575; Aug. 11; Sp. p. 1598; Dr. p. 338; Gaz. vol. 135; p. 1152.
- Murray, W. M., Sawtelle, Cal. Oil-spreader. No. 884,943; Apr. 14; Sp. p. 2600; Dr. pp. 549-50; Gaz. vol. 133; p. 1634.
- Murray's Patent Fixture Company. (See La Berge, M. E., assignor.)
- Murry, H. A., and J. W. Evans, Dawson, Tex. Fertilizer-distributor. No. 889,800; June 2; Sp. p. 1184; Dr. p. 274; Gaz. vol. 134; p. 1252.
- Murtha, J. P., Little Rock, Ark., assignor of one-half to J. H. Turcotte, St. Louis, Mo. Funnel. No. 886,237; Apr. 28; Sp. p. 5257; Dr. p. 1107; Gaz. vol. 133; p. 2117.
- Muschenheim, F., New York, N. Y. Hotel-room rack. No. 878,554; Feb. 11; Sp. p. 1416; Dr. p. 290; Gaz. vol. 132; p. 1101.
- Musclow, H., and W. A. Roberts, Vancouver, British Columbia, Canada. Pneumatic tire. No. 888,345; May 19; Sp. p. 4025; Dr. p. 849; Gaz. vol. 134; p. 717.
- Musgrove, G. E., Wilkinsburg, Pa., assignor to General Electric Company. Gage for tanks. No. 881,007; Mar. 10; Sp. p. 2221; Dr. p. 483; Gaz. vol. 133; p. 402.
- Musgrove, J. A., Jr., assignor of one-half to C. Fenwick, Kilsyth, W. Va. Car-operating device. No. 876,219; Jan. 7; Sp. p. 1044; Dr. p. 225; Gaz. vol. 132; p. 176.
- Musgrove, J. A., Jr., assignor of one-half to C. H. Patteson, Norton, Va. Sod cutting and removing device. No. 887,009; May 5; Sp. p. 1333; Dr. p. 282; Gaz. vol. 134; p. 221.
- Musick, L. W., Crescent City, Cal. Conduit electric railway. No. 884,517; Apr. 14; Sp. p. 1721; Dr. pp. 369-70; Gaz. vol. 133; p. 1496.
- Mussick, J., Ilmedale, Idaho. Elevator mechanism. No. 898,672; Sept. 15; Sp. p. 2880; Dr. p. 616; Gaz. vol. 136; p. 525.
- Musso, F. T., Bowman, Cal. Automatic oiler for vehicles. No. 901,460; Oct. 20; Sp. p. 2925; Dr. p. 596; Gaz. vol. 136; p. 1591.

Alphabetical list of patentees—Continued.

- Mustee, A. F., Cleveland, Ohio. Water-heater. No. 892,870; July 7; Sp. p. 954; Dr. pp. 200-1; Gaz. vol. 135; p. 160.
- Muszar, J., Cincinnati, Ohio. Coffee-mill. No. 885,504; Apr. 21; Sp. p. 3755; Dr. p. 790; Gaz. vol. 133; p. 1849.
- Muth, E. J., assignor, by mesne assignments, to Muth-Schmidt, Maschinenfabrik für Gutförderer und Transportanlagen G. M. B. H., Berlin, Germany. Dust-guard for rollers. No. 887,831; May 19; Sp. p. 3051; Dr. p. 641; Gaz. vol. 134; p. 551.
- Muth-Schmidt, Maschinenfabrik für Gutförderer und Transportanlagen G. M. B. H. (See Muth, E. J., assignor.)
- Muther, C. J., Chicago, Ill. Milling-machine. No. 891,945. June 30; Sp. p. 5629; Dr. p. 1213; Gaz. vol. 134; p. 2081.
- Mutschler, G. (See Andrews, F. E., assignor.)
- Mutschler, F., assignor to Mutschler Machine Company, Rochester, N. Y. Check-printer. No. 907,854; Dec. 29; Sp. p. 5402; Gaz. vol. 137; p. 1994.
- Mutschler Machine Company. (See Mutschler, F., assignor.)
- Mutschler Machine Company. (See Richardson, C. F., assignor.)
- Mützell, A., Breslau, Germany. Holder for sewing implements and materials or the like. No. 893,643; July 21; Sp. p. 2579; Dr. p. 537; Gaz. vol. 135; p. 473.
- Mutzenberg, C. G., Frankfort, Ky. Line-indicator. No. 890,438; June 9; Sp. p. 2503; Dr. p. 554; Gaz. vol. 134; p. 1488.
- Muysers, R. de, St. Petersburg, Russia. Elevator. No. 907,855; Dec. 29; Sp. p. 5410; Gaz. vol. 137; p. 1995.
- Myer, A. J., Lake View, N. Y. Retarding mechanism for elevators. No. 882,577; Mar. 24; Sp. p. 4146; Dr. p. 879; Gaz. vol. 133; p. 777.
- Myer Bridges Company. (See Koella, E., assignor.)
- Myer Bridges Company. (See Stocker, L., assignor.)
- Myers, A. (See Rogers and Myers, assignors.)
- Myers, A. A. (See Myers, Haas, and Myers.)
- Myers, A. J., Providence, R. I. Broom-protector. No. 906,262; Dec. 8; Sp. p. 2254; Gaz. vol. 137; p. 1367.
- Myers and Brother, F. E. (See Myers, P. A., assignor.)
- Myers, C., and A. H. Burchard, Houston, Tex. Assignors to B. Detrich, Kansas City, Kans. Electro-automatic advertising-machine. No. 890,246; June 9; Sp. p. 2118; Dr. p. 465; Gaz. vol. 134; p. 1427.
- Myers, C. A., Camden, N. J. Machine for making can-tops and labeling the same. No. 906,648; Dec. 15; Sp. p. 2956; Gaz. vol. 137; p. 1534.
- Myers, C. A., F. W. Haas, Jr., and A. A. Myers, Chicago, Ill. Igniting mechanism for internal-combustion engines. No. 890,247; June 9; Sp. p. 2120; Dr. p. 465; Gaz. vol. 134; p. 1427.
- Myers, C. D., assignor of one thirty-second to F. W. Griffin, one sixty-fourth to F. R. Williams, and one sixty-fourth to G. Bates, Cleveland, Ohio. Knot-tying apparatus for bags, &c. No. 876,573; Jan. 14; Sp. p. 1813; Dr. p. 396; Gaz. vol. 132; p. 327.
- Myers, C. H., Le Roy, Ill. Disk marker. No. 885,362; Apr. 21; Sp. p. 3502; Dr. p. 731; Gaz. vol. 133; p. 1806.
- Myers, F. S., Redfield, S. D. Package-fastener. No. 893,859; July 21; Sp. p. 3099; Dr. p. 634; Gaz. vol. 135; p. 545.
- Myers, H. A., Goshen, Ind. High-speed rotary device. No. 897,916; Sept. 8; Sp. p. 1394; Dr. p. 297; Gaz. vol. 136; p. 251.
- Myers, H. A., Goshen, Ind. High-speed rotary device. No. 897,917; Sept. 8; Sp. p. 1397; Dr. p. 298; Gaz. vol. 136; p. 252.
- Myers, H. A., assignor to A. P. Boyer, Goshen, Ind. Hoisting-pulley. No. 876,991; Jan. 21; Sp. p. 2679; Dr. p. 583; Gaz. vol. 132; p. 504.
- Myers, H. D. (See MacMillan, D., assignor.)
- Myers, H. F., Hutchinson, Kans. Dash-pot mechanism. No. 902,989; Nov. 3; Sp. p. 926; Gaz. vol. 137; p. 152.
- Myers, H. K., Swissvale, Pa. Rail-fastening. No. 899,230; Sept. 22; Sp. p. 3928; Dr. p. 839; Gaz. vol. 136; p. 734.
- Myers, J., Fitzlen, Okla. Combined lamp-font and match-holding device. No. 877,582; Jan. 28; Sp. p. 3905; Dr. p. 845; Gaz. vol. 132; p. 721.
- Myers, J. A., Braddock, Pa. Double-necked rail for railways. No. 887,832; May 19; Sp. p. 3053; Dr. p. 641; Gaz. vol. 134; p. 552.
- Myers, J. E., and B. I. Tuttle, assignors to Champion Chemical Company, Springfield, Ohio. Grave-vault lock. No. 886,396; May 5; Sp. p. 108; Dr. p. 21; Gaz. vol. 134; p. 23.
- Myers, J. R., Kilauea, Hawaii Ter. Cane-loading device. No. 892,289; June 30; Sp. p. 6286; Dr. pp. 1353-4; Gaz. vol. 134; p. 2193.
- Myers, J. S., Sacramento, Cal. Sheet-music turner. No. 899,459; Sept. 22; Sp. p. 4353; Dr. p. 934; Gaz. vol. 136; p. 806.
- Myers, J. W., assignor of one-half to P. Miller, Vincennes, Ind. Current-motor. No. 893,350; July 14; Sp. p. 1932; Dr. pp. 405-7; Gaz. vol. 135; p. 347.
- Myers, L., Fremont, Ohio. Combination-tool. No. 885,363; Apr. 21; Sp. p. 3503; Dr. p. 731; Gaz. vol. 133; p. 1806.
- Myers, O. E., Bozeman, Mont. Combined towel rack and holder. No. 886,534; May 5; Sp. p. 378; Dr. p. 79; Gaz. vol. 134; p. 70.
- Myers, P. A., assignor to F. E. Myers and Brother, Ashland, Ohio. Pump. No. 881,254; Mar. 10; Sp. p. 1523; Dr. p. 327; Gaz. vol. 133; p. 287.
- Myers, P. A., assignor to F. E. Myers and Brother, Ashland, Ohio. Pump. No. 907,164; Dec. 22; Sp. p. 3950; Gaz. vol. 137; p. 1734.
- Myers, R. J. (See Hay, P. S., assignor.)
- Myers, R. P., Walthamstow, England. Arc-lamp. No. 902,990; Nov. 3; Sp. p. 927; Gaz. vol. 137; p. 153.
- Myers, R. R. (See Whitney and Myers.)
- Myers, W. D., assignor of one-half to E. C. Frazier, Canton, Okla. Beer-tap. No. 876,483; Jan. 14; Sp. p. 1605; Dr. pp. 345-6; Gaz. vol. 132; p. 294.
- Myers, W. L., Industry, Ill. Gun-wad. No. 890,686; June 16; Sp. p. 3021; Dr. p. 663; Gaz. vol. 134; p. 1602.
- Myers, W. L., St. Louis county, assignor of one-half to W. Levy, St. Louis, Mo. Spirit-level. No. 895,573; Aug. 11; Sp. p. 1594; Dr. p. 337; Gaz. vol. 135; p. 1182.
- Myers, W. M., and G. W. Hinton, St. Joseph, Mo.; said Hinton assignor to said Myers. Load-receiver for hoisting and conveying mechanisms. No. 890,163; June 9; Sp. p. 1944; Dr. p. 429; Gaz. vol. 134; p. 1399.
- Myers, W. M., and G. W. Hinton, St. Joseph, Mo.; said Hinton assignor to said Myers. Hoisting and conveying mechanism. No. 902,158; Oct. 27; Sp. p. 4362; Dr. p. 883; Gaz. vol. 136; p. 1847.
- Myerscough, J., and J. Gornall, Preston, assignors to Dobson and Barlow Limited, Bolton, England. Locking device for front-plate stripping-doors of carding-engines. No. 884,405; Apr. 14; Sp. p. 1489; Dr. pp. 319-20; Gaz. vol. 133; p. 1460.
- Mygind, J. T., Copenhagen, Denmark. Phonograph-reproducer. No. 887,833; May 19; Sp. p. 3054; Dr. p. 642; Gaz. vol. 134; p. 552.
- Myhre, J. O., Hattori, N. D. Chimney-cap. No. 897,643; Sept. 1; Sp. p. 813; Dr. p. 171; Gaz. vol. 136; p. 130.
- Myhre, J. O., Hattori, N. D. Reversible latch. No. 907,389; Dec. 22; Sp. p. 4410; Gaz. vol. 137; p. 1811.
- Mylor, B., and T. Heady, Warsaw, Ky. Tobacco-seeder. No. 876,076; Jan. 7; Sp. p. 769; Dr. p. 164; Gaz. vol. 132; p. 130.
- Myrthow, C. C., Fingal, N. D. Mail-box. No. 879,402; Feb. 18; Sp. p. 3095; Dr. p. 643; Gaz. vol. 132; p. 1415.
- N. O. Nelson Manufacturing Company. (See Lawnin, L. D., assignor.)
- N. O. Nelson Manufacturing Company. (See Reid, W. A., assignor.)
- N. Y. Dash & Axle Mfg. Co. (See Johnson, R. E., assignor.)
- Naake, F. A., et al. (See Snyder, A. B., assignor.)
- Naamlooze Vennootschap Internationale Electriciteit Maatschappij. (See Stoffels and Weenen, assignors.)
- Naamlooze Vennootschap tot Exploitatie der Verf Heusiet. (See Ouden, J. F. den, assignor.)
- Naber, M. H., assignor to Naber Spring Company, Chicago, Ill. Spring. No. 887,112; May 12; Sp. p. 1544; Dr. p. 326; Gaz. vol. 134; p. 283.
- Naber Spring Company. (See Naber, M. H., assignor.)
- Nacke, A., assignor of one-half to I. Kitsee, Philadelphia, Pa. Platform for power-motors. No. 901,025; Oct. 13; Sp. p. 2025; Dr. p. 411; Gaz. vol. 136; p. 1413.
- Nadasdy, J. E., Chicago, Ill. Gas-burner. No. 880,690; Mar. 3; Sp. p. 392; Dr. p. 85; Gaz. vol. 133; p. 70.
- Naagelen, J., assignor to American Rolling Mill Company, Middletown, Ohio. Bending-rolls. No. 908,119; Dec. 29; Sp. p. 5959; Gaz. vol. 137; p. 2081.
- Nagasse, S., Los Angeles, Cal. Fruit and vegetable parer and slicer. No. 881,329; Mar. 10; Sp. p. 1671; Dr. p. 359; Gaz. vol. 133; p. 311.
- Nagel, E. (See Weiss and Nagel.)
- Nagel, E. C., Chicago, Ill. Adjustable socket-wrench. No. 900,766; Oct. 13; Sp. p. 1472; Dr. p. 300; Gaz. vol. 136; p. 1327.
- Nagel, F. L., Norwalk, Ohio. Horse-blanket. No. 889,391; June 2; Sp. p. 408; Dr. p. 96; Gaz. vol. 134; p. 1122.
- Nagelaisen, H., Arion, Ohio. Machine for rolling cigar-wrappers. No. 899,998; Sept. 29; Sp. p. 5505; Dr. p. 1173; Gaz. vol. 136; p. 1019.
- Nager, H. I., et al. (See Lazar, W., assignor.)
- Nager, H. I. (See Sauter, H., assignor.)
- Nagle, B. F., Reading, Pa. Elastic stirrup. No. 895,291; Aug. 4; Sp. p. 1059; Dr. p. 221; Gaz. vol. 135; p. 1067.
- Nagle, J. G., assignor to Nagle, Zane & Nagle, Niles, Mich. Angle-cock. No. 898,386; Sept. 8; Sp. p. 2302; Dr. p. 489; Gaz. vol. 136; p. 400.
- Nagle, Zane & Nagle. (See Nagle, J. G., assignor.)
- Nähmaschinen-und Fahräder-Fabrik Bernhard Stodtwer Actien-Gesellschaft. (See Grützmann, P., assignor.)
- Nail-Less Cushion Heel-Seat Company. (See Bemis, G. C., assignor.)
- Nailor, R. F., Cleveland, Ohio. Coupling for enameled pipes. No. 880,813; Mar. 3; Sp. p. 655; Dr. p. 138; Gaz. vol. 133; p. 113.
- Nailor, R. F., Cleveland, Ohio. Pipe-coupling. No. 881,022; Mar. 3; Sp. p. 1066; Dr. p. 231; Gaz. vol. 133; p. 181.
- Nakamura, M. (See Kishi and Nakamura.)
- Naldrett, A. E., Oshkosh, Wis. Chamfer-gage. No. 904,003; Nov. 17; Sp. p. 2979; Gaz. vol. 137; p. 544.
- Nance, C. W., Sydney, New South Wales, Australia. Aspirator. No. 907,392; Dec. 22; Sp. p. 4414; Gaz. vol. 137; p. 1812.
- Nanney, W. F., Ben Franklin, Tex. Insect-exterminator. No. 905,348; Dec. 1; Sp. p. 436; Gaz. vol. 137; p. 1057.
- Napier, G. R., Macon, Ga. Sausage-stuffer. No. 893,808; July 21; Sp. p. 2983; Dr. pp. 611-12; Gaz. vol. 135; p. 528.

Alphabetical list of patentees—Continued.

- Napier, G. R., Macon, Ga. Sausage-stuffer. No. 894,039; July 21; Sp. p. 3475; Dr. pp. 711-12; Gaz. vol. 135; p. 605.
- Napierala, P. W., Detroit, Minn. Hame-fastener. No. 899,890; Sept. 29; Sp. p. 5270; Dr. p. 1127; Gaz. vol. 136; p. 984.
- Nardin, G., Paris, France, assignor to Firm of Ateliers de Constructions Mécaniques Ci-Devant Ducommun, Mülhausen, Alsace, Germany. Machine for cutting toothed gearing. No. 886,398; May 5; Sp. p. 112; Dr. p. 22; Gaz. vol. 134; p. 24.
- Narowetz, L., Chicago, Ill. Air-washing apparatus. No. 907,633; Dec. 22; Sp. p. 4939; Gaz. vol. 137; p. 1891.
- Narowetz, L., Chicago, Ill. Air-washing apparatus. No. 907,634; Dec. 22; Sp. p. 4941; Gaz. vol. 137; p. 1891.
- Naselius, W. T., Kennedy, Minn. Propelling means for vessels. No. 907,086; Dec. 15; Sp. p. 3778; Gaz. vol. 137; p. 1672.
- Nash, A. R. (See Lewis, G. W., assignor.)
- Nash, C. J., assignor to W. H. Miner Company, Chicago, Ill. Railway draft-rigging. No. 877,943; Feb. 4; Sp. p. 99; Dr. p. 22; Gaz. vol. 132; p. 865.
- Nash, F., London, England. Hydraulic clutch. No. 895,491; Aug. 11; Sp. p. 1440; Dr. p. 302; Gaz. vol. 135; p. 1156.
- Nash, F. J., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-splitting machine. No. 894,850; Aug. 4; Sp. p. 91; Dr. pp. 19-20; Gaz. vol. 135; p. 916.
- Nash, J. P., *et al.* (See Neale, C. C., assignor.)
- Nash, L. S., Detroit, Mich. Valve. No. 889,802; June 2; Sp. p. 1189; Dr. p. 275; Gaz. vol. 134; p. 1252.
- Nash, L. S., Detroit, Mich. Starting device for explosive-engines. No. 892,609; July 7; Sp. p. 405; Dr. p. 90; Gaz. vol. 135; p. 75.
- Nash, M. A., Palmyra, Nebr. Pan. No. 875,944; Jan. 7; Sp. p. 490; Dr. p. 106; Gaz. vol. 132; p. 89.
- Nash, W., Denver, Colo. Cooking apparatus. No. 884,288; Apr. 7; Sp. p. 1256; Dr. pp. 263-4; Gaz. vol. 133; p. 1392.
- Nash, W. D. (See Davidson, J., assignor.)
- Nash, W. M., *et al.* (See Neale, C. C., assignor.)
- Nashold, M., Davis Junction, Ill. Centrifugal block-machine. No. 900,414; Oct. 6; Sp. p. 720; Dr. p. 150; Gaz. vol. 136; p. 1186.
- Nashua Machine Company. (See Littlefield, F. A., assignor.)
- Nashua Saddlery Hardware Company. (See Perry and Stevens, assignors.)
- Nason, O. H., Martha Furnace, Pa. Neck-yoke. No. 902,160; Oct. 27; Sp. p. 4367; Dr. p. 884; Gaz. vol. 136; p. 1848.
- Nater, H., Cleveland, Ohio. Non-refillable bottle. No. 893,862; July 21; Sp. p. 3103; Dr. p. 635; Gaz. vol. 135; p. 546.
- Nater, H., Cleveland, Ohio. Non-refillable bottle. No. 903,398; Nov. 10; Sp. p. 1712; Gaz. vol. 137; p. 313.
- Nathan, A., Charlottenburg, Germany. Self-closing lock. No. 886,538; May 5; Sp. p. 383; Dr. pp. 80-1; Gaz. vol. 134; p. 71.
- Nathan, A., Charlottenburg, Germany. Strike-plate for locks. No. 893,809; July 21; Sp. p. 2985; Dr. p. 612; Gaz. vol. 135; p. 529.
- Nathan, B. (See Cohen and Nathan.)
- Nathan, L., Zurich, Switzerland, and H. Bolze, Mannheim, Germany; said Bolze assignor to said Nathan. Brewing beer. No. 899,756; Sept. 29; Sp. p. 4981; Dr. p. 1068; Gaz. vol. 136; p. 940.
- Nathan Manufacturing Company. (See Kassander and Kelsey, assignors.)
- Nathan, R. (See Nathan, S., assignor.)
- Nathan, S., New York, assignor to R. Nathan, Brooklyn, N. Y. Substitute for patent-leather. No. 907,087; Dec. 15; Sp. p. 3779; Gaz. vol. 137; p. 1673.
- Nation, B. M., Bloomfield, Ind. Bolt tightener and cutter for wheels. No. 881,140; Mar. 10; Sp. p. 1300; Dr. p. 280; Gaz. vol. 133; p. 250.
- National-Acme Manufacturing Company. (See Henn, E. C., assignor.)
- National Art Paper Box Co. (See Stavisky, A., assignor.)
- National Automatic Machine Company. (See Smith, A. L., assignor.)
- National Binding Machine Company. (See Anable, F. S., assignor.)
- National Binding Machine Company. (See Elliott, G., assignor.) (Reissue.)
- National Binding Machine Company. (See Roberts, H. P., assignor.)
- National Boiler Washing Company. (See White, W., assignor.) (Reissue.)
- National Brake & Electric Company. (See Aikman, B., assignor.)
- National Brake & Electric Company. (See Richards, W. J., assignor.)
- National Brake & Electric Company. (See Waters, W. L., assignor.)
- National Bung Manufacturing Company. (See Elder and Pool, assignors.)
- National Candy Company. (See Burt, A. H., assignor.)
- National Candy Company. (See Farley, J. K., Jr., assignor.)
- National Candy Company. (See Paris, H. C., assignor.)
- National Car Protection Company. (See Sebring, W. L., assignor.)
- National Carbon Company. (See Bennie, P. M., assignor.)
- National Carbon Company. (See Hawley, L. C., assignor.)
- National Carbon Company. (See Richmond, C. T., assignor.)
- National Cash Register Company. (See Bickford, F. H., assignor.)
- National Cash Register Company. (See Carney, T., assignor.)
- National Cash Register Company. (See Carroll, T., assignor.) (Reissue.)
- National Cash Register Company. (See Cleal, J. P., assignor.)
- National Cash Register Company. (See Lundgren, C. A., assignor.)
- National Cash Register Company. (See Pein, E. J. Von, assignor.)
- National Cash Register Company. (See Seipel, E., assignor.)
- National Cash Register Company. (See Sharpe, J., assignor.)
- National Casket Company. (See Hamilton, W., assignor.) (Reissue.)
- National Cellular Steel Company. (See Rude, J. M., assignor.)
- National Compositype Company. (See Brown, Hanrahan, and Boyden, assignors.)
- National Dairy Machine Company. (See Anderson, O., assignor.)
- National Dump Car Company. (See Neikirk, J. O., assignor.)
- National Dump Car Company. (See Otis, S., assignor.)
- National Dump Car Company. (See Otis, S., assignor.) (Reissue.)
- National Dump Car Company. (See Posson, E., assignor.)
- National Electric Company. (See Richards, W. J., assignor.)
- National Electric Lamp Company. (See Fagan, J. T., assignor.)
- National Electric Lamp Company. (See Merritt, M. M., assignor.)
- National Electric Time Switch Company. (See Nylander and Regensburger, assignors.)
- National Electrolytic Company. (See Gibbs, W. T., assignor.)
- National Enameling and Stamping Company. (See Knapp, George W., assignor.)
- National Enameling and Stamping Company. (See Mohr, E., assignor.)
- National Enameling and Stamping Company. (See Wagandt, C. L., assignor.)
- National Equipment Company. (See Schmidt, A. G. A., assignor.)
- National Folding Box & Paper Co. (See Hauxhurst, C. E., assignor.)
- National Furnace Company. (See Hensley and Bryant, assignors.)
- National Glass Company. (See Haley, R., assignor.)
- National Interlocking Steel Sheeting Company. (See Nye, G. E., assignor.)
- National Machine Company. (See Slater and Hogan, assignors.)
- National Malleable Castings Company. (See Buckius, A. O., assignor.)
- National Malleable Castings Company. (See Byers, J. J., assignor.)
- National Malleable Castings Company. (See Krakau, H. T., assignor.)
- National Metal-Fabric Company. (See Clark, N. E., assignor.)
- National Metal Seal Company. (See Chellis, E. D., assignor.)
- National Metallurgical Company. (See King, T. C., assignor.)
- National Metallurgical Company. (See Ricketts and King, assignors.)
- National Novelty Advertising Company. (See Roy, E. H., assignor.)
- National Novelty Corporation. (See Smith, C. A., assignor.)
- National Patent Company. (See Roevers, J., assignor.)
- National Patent Company. (See Selley, E. J., assignor.)
- National Piano Player Company. (See Cleveland, W. E., assignor.)
- National Railway Materials Company. (See Hall, G. L., assignor.)
- National Rapid Transit Company. (See Valentine, W. D., assignor.)
- National Rheostat Company. (See MacLagan, H. F., assignor.)
- National Ring Traveler Company. (See Merrow, E. L., assignor.)
- National Ring Traveler Company. (See Potter, A. B., assignor.)
- National Rural Route Advertising Company. (See Husted, L. J., assignor.)
- National Sewing Machine Co. (See Pettet, J. O., assignor.)

Alphabetical list of patentees—Continued.

- National Sewing Machine Company. (See Atwood, C. B., assignor.)
 National Sewing Machine Company. (See Winkel, C., assignor.)
 National Specialty Manufacturing Company. (See Bussinger, W. J., assignor.)
 National Specialty Manufacturing Company. (See Thompson, W. O., assignor.)
 National Spring Bed Company. (See Arnold, H. B., assignor.)
 National Stamp Vending Machine Company. (See Williams, J. R., assignor.)
 National Steam Specialty Company. (See Brissenden, W. W., assignor.)
 National Straw Pulp Company. (See Kennedy, M. R., assignor.)
 National Treado Company. (See Davis, C., assignor.)
 National Toy and Manufacturing Company. (See Killman, T. A., assignor.)
 National Trade Tapper Company. (See White, A. A., assignor.)
 National Tube Company. (See Fell, C., assignor.)
 National Tube Company. (See Hock, J. A., assignor.)
 National Ventilator and Mfg. Co. (See Redell and Panter, assignors.)
 National Washboard Company. (See Gilbert, H. J., assignor.)
 National Water Main Cleaning Company. (See Reeser, E. R., assignor.)
 National Water Main Cleaning Company. (See Whitney, G. F., assignor.)
 National Wire Bound Box Company. (See Flora, E. E., assignor.)
 National Wood Vulcanizing Company. (See Howard, C., assignor.)
 Nattenheimer, J., assignor of one-half to E. Eiger & Bros., Chicago, Ill. Hat-frame-forming device. No. 881,257; Mar. 10; Sp. p. 1528; Dr. pp. 328-9; Gaz. vol. 133; p. 283.
 Natural Pow Company. (See Neumann, C., assignor.)
 Nau, J. B. (See Kennedy and Nau.)
 Nau, J. B., New York, N. Y. Reversing-valve for regenerative furnaces. No. 878,306; Feb. 4; Sp. p. 847; Dr. p. 168; Gaz. vol. 132; p. 984.
 Naughton, J. E., Sparrows Point, Md. Tack-puller. No. 888,841; May 26; Sp. p. 5079; Dr. p. 1083; Gaz. vol. 134; p. 911.
 Naughton, J. E., Lawrence, Mass. Arch-supporter for shoes. No. 899,182; Sept. 22; Sp. p. 3838; Dr. p. 821; Gaz. vol. 136; p. 719.
 Naughton, T. H., Philadelphia, Pa. Recovering waste alcohol from liquor casks and barrels. No. 892,005; June 30; Sp. p. 5747; Dr. p. 1276; Gaz. vol. 134; p. 2098.
 Naughton, T. H., Philadelphia, Pa. Apparatus for recovering waste alcohol from liquor casks and barrels. No. 892,006; June 30; Sp. p. 5749; Dr. pp. 1276-7; Gaz. vol. 134; p. 2099.
 Naumann, E., Cologne, Germany. Producing ammonium chlorid. No. 892,178; June 30; Sp. p. 6073; Gaz. vol. 134; p. 2156.
 Naumann, W. (See Jaensch and Naumann.)
 Nave, A. C. (See Branson and Nave.)
 Nave, E. G. (See McCoy, J. H., assignor.)
 Naviokus, A. G., St. Louis, Mo. Outdoor water-closet. No. 888,643; May 26; Sp. p. 4650; Dr. p. 987; Gaz. vol. 134; p. 848.
 Naylor, G., Lewiston, Me. Filling stop-motion. No. 904,144; Nov. 17; Sp. p. 3268; Gaz. vol. 137; p. 593.
 Naylor, H. Jr., Kentworth, D. C., assignor to G. D. W. Marcy, Dorchester, Mass. Safety-shutter for kinetoscopes. No. 905,910; Dec. 8; Sp. p. 1580; Gaz. vol. 137; p. 1272.
 Naylor, J. R., La Grange, Ill. Combined spring and spike tooth harrow. No. 901,118; Oct. 13; Sp. p. 2194; Dr. p. 446; Gaz. vol. 136; p. 1441.
 Nazarian, J., Syracuse, N. Y. Let-off mechanism for looms. No. 899,183; Sept. 22; Sp. p. 3839; Dr. p. 821; Gaz. vol. 136; p. 719.
 Neagle, E. D., Cleveland, Ohio. Toy. No. 877,360; Jan. 21; Sp. p. 3441; Dr. p. 746; Gaz. vol. 132; p. 627.
 Neahr, J. (See Maxfield, S., assignor.)
 Neal, B. B., New York, N. Y. Folding ladder. No. 896,569; Aug. 18; Sp. p. 3564; Dr. p. 766; Gaz. vol. 135; p. 1526.
 Neal, E. E., assignor of one-half to J. H. Wesson, Springfield, Mass. Loading-pack. No. 881,437; Mar. 10; Sp. p. 1880; Dr. p. 409; Gaz. vol. 133; p. 344.
 Neal, F. M., Bridgeport, Conn. Pneumatic-tire-plugging thimble. No. 907,273; Dec. 22; Sp. p. 4202; Gaz. vol. 137; p. 1773.
 Neal, H. W., assignor of one-half to E. E. Davis, Indianapolis, Ind. Dumping-wagon. No. 908,417; Dec. 29; Sp. p. 6602; Gaz. vol. 137; p. 2185.
 Neal Naval Stores Company. (See Neal, S., assignor.)
 Neal, O. J., Colfax, Wash. Churn. No. 890,165; June 9; Sp. p. 1947; Dr. p. 429; Gaz. vol. 134; p. 1400.
 Neal, O. W., B. W. Shaw, and H. J. Howarth, Portland, Me. Seal for electric wires. No. 905,349; Dec. 1; Sp. p. 439; Gaz. vol. 137; p. 1057.
 Neal, S., assignor to Neal Naval Stores Company, Cordele, Ga. Thermometer. No. 900,575; Oct. 6; Sp. p. 1081; Dr. pp. 221-2; Gaz. vol. 136; p. 1239.
 Neale, C. C., assignor to J. P. and W. M. Nash, H. M. Neale, and J. H. Steele, Minneapolis, Minn. Grain-door for cars. No. 882,014; Mar. 17; Sp. p. 3081; Dr. p. 655; Gaz. vol. 133; p. 562.
 Neale, D., Fort Calhoun, Nebr. Method and means for straightening, deepening, and controlling streams. No. 892,610; July 7; Sp. p. 407; Dr. p. 90; Gaz. vol. 135; p. 75.
 Neale, H. M., *et al.* (See Neale, C. C., assignor.)
 Neall, N. J., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning-arrester. No. 882,265; Mar. 17; Sp. p. 3566; Dr. p. 766; Gaz. vol. 133; p. 642.
 Near, W. W., *et al.* (See Lovett, J. S. H., assignor.)
 Nearing, C. D. B., *et al.* (See Elliott and Stanton, assignors.)
 Neave, F. J., Rochester, England. Spring. No. 895,492; Aug. 11; Sp. p. 1443; Dr. pp. 302-3; Gaz. vol. 135; p. 1156.
 Neavitt, G. D., Centerville, Md. Heating stove. No. 892,759; July 7; Sp. p. 718; Dr. p. 152; Gaz. vol. 135; p. 124.
 Nebraska Milk Pasteurizer Company. (See Hinman, C. E., assignor.)
 Neddo, P., Barre, Vt. Lewis. No. 884,198; Apr. 7; Sp. p. 1106; Dr. p. 231; Gaz. vol. 133; p. 1364.
 Neddo, P., Barre, Vt. Car-coupling. No. 889,033; May 26; Sp. p. 5455; Dr. p. 1159; Gaz. vol. 134; p. 974.
 Nederman, F., Chicago, Ill. Cuspidor. No. 908,312; Dec. 29; Sp. p. 6371; Gaz. vol. 137; p. 2148.
 Neebe, H. O., New York, N. Y. Amusement device. No. 886,627; May 5; Sp. p. 561; Dr. p. 118; Gaz. vol. 134; p. 99.
 Needham, J. T., Bayonne, N. J., assignor of one-half to Postal Telegraph-Cable Company, New York, N. Y. Annunciator. No. 882,118; Mar. 17; Sp. p. 3269; Dr. p. 696; Gaz. vol. 133; p. 595.
 Needham, W. J., Myra, Tex. Cutting apparatus for mowers. No. 876,654; Jan. 14; Sp. p. 2007; Dr. p. 437; Gaz. vol. 132; p. 355.
 Needles, C. W., Atlantic, Iowa. Vehicle-pole. No. 890,166; June 9; Sp. p. 1948; Dr. p. 429; Gaz. vol. 134; p. 1400.
 Needles, C. W., Atlantic, Iowa. Vehicle-pole. No. 890,167; June 9; Sp. p. 1949; Dr. p. 430; Gaz. vol. 134; p. 1401.
 Neef, A., Kattowitz, Germany. Centrifugal drying apparatus. No. 901,184; Oct. 13; Sp. p. 2304; Dr. p. 471; Gaz. vol. 136; p. 1462.
 Neel, P. L. (See Paxson, F. L., assignor.)
 Neeland, M. A., Youngstown, Ohio. Blowing-engine inlet-valve. No. 895,292; Aug. 4; Sp. p. 1060; Dr. pp. 221-2; Gaz. vol. 135; p. 1068.
 Neely, G. S., St. Louis, Mo. Regulating electric generators. No. 879,887; Feb. 25; Sp. p. 4126; Dr. p. 865; Gaz. vol. 132; p. 1606.
 Neely, G. S., St. Louis, Mo. Voltage-regulator for dynamo-electric machines. No. 904,887; Nov. 24; Sp. p. 4864; Gaz. vol. 137; p. 869.
 Neely, W., Pueblo, Colo. Concrete-molding device. No. 898,911; Sept. 15; Sp. p. 3319; Dr. p. 711; Gaz. vol. 136; p. 603.
 Neely, E., Chicago, Ill. Cooler for beer, &c. No. 888,406; May 19; Sp. p. 4151; Dr. pp. 877-8; Gaz. vol. 134; p. 736.
 Neely, J. W., Cambridge, assignor of one-half to J. H. Smith, Jamaica Plain, Mass. Life-saving apparatus. No. 896,037; Aug. 11; Sp. p. 2522; Dr. p. 546; Gaz. vol. 135; p. 1332.
 Neely Nut & Bolt Company. (See Lockner, F., assignor.)
 Neemes, N. C. (See Rouse and Neemes.)
 Neenan, M. E., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electric brake mechanism for cars, elevators, cranes, and other purposes. No. 891,632; June 23; Sp. p. 4973; Dr. pp. 1072-3; Gaz. vol. 134; p. 1944.
 Neepawa Manufacturing Company. (See Gardiner, D. R., assignor.)
 Neer, H. M., Columbus, Ohio. Valve-controlling mechanism for internal-combustion engines. No. 901,365; Oct. 20; Sp. p. 2690; Dr. p. 552; Gaz. vol. 136; p. 1557.
 Neer, H. M., Columbus, Ohio. Internal-combustion engine. No. 905,911; Dec. 8; Sp. p. 1581; Gaz. vol. 137; p. 1272.
 Neff, Firm of C. (See Brandes, A., assignor.)
 Neff, F. M., Milford, Ind. Gate. No. 902,438; Oct. 27; Sp. p. 4962; Dr. pp. 1002-3; Gaz. vol. 136; p. 1938.
 Neff, J. T. (See Steinhart and Neff.)
 Neff, M., Newcastle, Ind. Grinding-machine. No. 895,579; Aug. 11; Sp. p. 1609; Dr. p. 339; Gaz. vol. 135; p. 1184.
 Nefflen, W. H. (See Siever and Nefflen.)
 Negro, L. (See Arno and Negro.)
 Neher, W. H., Inglewood, Cal. Oil-gasifier. No. 883,472; Mar. 31; Sp. p. 5976; Dr. p. 1275; Gaz. vol. 133; p. 1102.
 Nehlig, P., Philadelphia, Pa. Gas-stove. No. 905,739; Dec. 1; Sp. p. 1243; Gaz. vol. 137; p. 1185.
 Nehrig, J. L., Ardara Station, Pa. Lubricator. No. 895,885; Aug. 11; Sp. p. 2223; Dr. p. 474; Gaz. vol. 135; p. 1283.
 Nehring, U., assignor of one-half to O. F. Ehrle, New York, N. Y. Steering-gear. No. 905,912; Dec. 8; Sp. p. 1582; Gaz. vol. 137; p. 1273.

Alphabetical list of patentees—Continued.

- Neider, F. A., Augusta, Ky. Wrought-metal nut. No. 904,555; Nov. 24; Sp. p. 4157; Gaz. vol. 137; p. 758.
- Neidich, S. A., Philadelphia, Pa. Braiding-machine. No. 893,810; July 21; Sp. p. 2986; Dr. p. 612; Gaz. vol. 135; p. 529.
- Neighbour, W. W., Denison, Tex. Trolley-wheel. No. 886,239; Apr. 28; Sp. p. 5260; Dr. p. 1108; Gaz. vol. 133; p. 2117.
- Neikirk, J. O., Morgan Park, Ill., assignor to Rodger Ballast Car Company. Dump-car. No. 904,004; Nov. 17; Sp. p. 2980; Gaz. vol. 137; p. 544.
- Neikirk, J. O., Morgan Park, Ill., assignor to Rodger Ballast Car Company. Plow-car. No. 904,214; Nov. 17; Sp. p. 3434; Gaz. vol. 137; p. 617.
- Neikirk, J. O., Morgan Park, assignor to National Dump Car Company, Chicago, Ill. Door-operating mechanism for dump-cars. No. 904,213; Nov. 17; Sp. p. 3431; Gaz. vol. 137; p. 617.
- Neill, J. M., Toronto, Ontario, Canada, assignor to F. C. Norris, trustee, Detroit, Mich. Separating the metals contained in copper-nickel matte. No. 882,075; Mar. 17; Sp. p. 3204; Gaz. vol. 133; p. 532.
- Neill, J. M., Toronto, assignor to J. B. Gregory, Toronto, Ontario, Canada. Production of white-lead pigment. No. 906,454; Dec. 8; Sp. p. 2599; Gaz. vol. 137; p. 1447.
- Neill, M. H. (See Morris, S., assignor.)
- Neild, J. T., Leonardville, Kans. Machine for cutting grain. No. 879,666; Feb. 18; Sp. p. 3662; Dr. p. 765; Gaz. vol. 132; p. 1501.
- Neill, J., Orange, N. J. Machine for fluting columns. No. 879,571; Feb. 18; Sp. p. 3447; Dr. pp. 722-3; Gaz. vol. 132; p. 1470.
- Neill, J., Sheffield, England. Manufacture of hacksaws or the like. No. 907,167; Dec. 22; Sp. p. 3954; Gaz. vol. 137; p. 1735.
- Neill, J., Sheffield, England. Saw. No. 907,168; Dec. 22; Sp. p. 3956; Gaz. vol. 137; p. 1735.
- Neilsen, C., Memphis, Tenn. Roller-press. No. 880,035; Feb. 25; Sp. p. 4451; Dr. p. 935; Gaz. vol. 132; p. 1656.
- Neilsen Mailing Machinery Company. (See Richards, G. L., assignor.)
- Neima, M., Amherst, Nova Scotia, Canada. Suspenders. No. 881,482; Mar. 10; Sp. p. 1980; Dr. pp. 431-2; Gaz. vol. 133; p. 359.
- Neireiter, H. N., Decatur, Ind. Tile-drain inlet. No. 902,104; Oct. 27; Sp. p. 4257; Dr. p. 863; Gaz. vol. 136; p. 1829.
- Neisingh, R., Excelsior, Minn. Hitching-strap fastener. No. 875,839; Jan. 7; Sp. p. 305; Dr. p. 66; Gaz. vol. 132; p. 56.
- Neisler, O. L., Indianapolis, Ind. Earth-handling machine. No. 889,326; June 2; Sp. p. 257; Dr. pp. 63-4; Gaz. vol. 134; p. 1100.
- Neitzel, H., Concordia, Kans. Expressing screw or auger for brick-machines. No. 901,819; Oct. 20; Sp. p. 3680; Dr. p. 747; Gaz. vol. 136; p. 1708.
- Nelke, H. L., Philadelphia, Pa. Manufacturing knitted fabrics. No. 893,356; July 14; Sp. p. 1945; Dr. p. 408; Gaz. vol. 135; p. 349.
- Nellen, F., and A. Voigt, Essen, Germany. Prop for mines. No. 881,609; Mar. 10; Sp. p. 2223; Dr. p. 483; Gaz. vol. 133; p. 403.
- Neller, A. H., Fairfield, Iowa. Elevated carrier. No. 876,578; Jan. 14; Sp. p. 1827; Dr. p. 399; Gaz. vol. 132; p. 329.
- Neller, A. H., assignor to Loudon Machinery Company, Fairfield, Iowa. Wire-bending device. No. 880,235; Feb. 25; Sp. p. 4850; Dr. p. 1026; Gaz. vol. 132; p. 1722.
- Neller, A. H., assignor to Loudon Machinery Company, Fairfield, Iowa. Curve for overhead tracks. No. 883,663; Mar. 31; Sp. p. 6354; Dr. p. 1354; Gaz. vol. 133; p. 1159.
- Neller, A. H., assignor to Loudon Machinery Company, Fairfield, Iowa. Pulley-block. No. 892,678; July 7; Sp. p. 558; Dr. p. 117; Gaz. vol. 135; p. 98.
- Neller, A. H., assignor to Loudon Machinery Company, Fairfield, Iowa. Stop for elevated carriers. No. 897,387; Sept. 1; Sp. p. 300; Dr. p. 61; Gaz. vol. 136; p. 46.
- Neller, A. H., assignor to Loudon Machinery Company, Fairfield, Iowa. Track-hanger. No. 897,388; Sept. 1; Sp. p. 301; Dr. p. 62; Gaz. vol. 136; p. 46.
- Neller, A. H., assignor to Loudon Machinery Company, Fairfield, Iowa. Wire-twisting tool. No. 898,912; Sept. 15; Sp. p. 3321; Dr. p. 712; Gaz. vol. 136; p. 603.
- Neller, A. H., assignor to Loudon Machinery Company, Fairfield, Iowa. Hoisting device. No. 906,913; Dec. 15; Sp. p. 3472; Gaz. vol. 137; p. 1619.
- Neller, A. H., and W. Loudon, assignors to Loudon Machinery Company, Fairfield, Iowa. Elevated carrier. No. 900,681; Oct. 6; Sp. p. 1314; Dr. p. 269; Gaz. vol. 136; p. 1274.
- Neller, A. H., and W. Loudon, assignors to Loudon Machinery Company, Fairfield, Iowa. Elevated carrier. No. 900,682; Oct. 6; Sp. p. 1318; Dr. p. 270; Gaz. vol. 136; p. 1275.
- Nelson, A. E., Cohoes, N. Y. Starting device. No. 904,799; Nov. 24; Sp. p. 4671; Gaz. vol. 137; p. 839.
- Nelson, A. P., *et al.* (See Thunberg, A. O., assignor.)
- Nelson, B. O., Tolley, N. D. Whip-socket. No. 906,549; Dec. 15; Sp. p. 2780; Gaz. vol. 137; p. 1504.
- Nelson Baker & Co. (See Dodswordh, M., assignor.)
- Nelson, C., assignor to S. Sternau & Company, New York, N. Y. Towel-pin. No. 900,767; Oct. 13; Sp. p. 1473; Dr. p. 300; Gaz. vol. 136; p. 1328.
- Nelson, C. A., Cristobal, Panama. Pants-presser. No. 883,560; Mar. 31; Sp. p. 6159; Dr. pp. 1309-10; Gaz. vol. 133; p. 1127.
- Nelson, C. E., Capac, Mich., assignor to E. P. Metcalf, Providence, R. I., and A. Loewenthal and C. E. Dunn, trustees, New York, N. Y. Producing paper or paper-board and the like. No. 879,888; Feb. 25; Sp. p. 4129; Gaz. vol. 132; p. 1606.
- Nelson, C. J. (See Rudolphi and Nelson.)
- Nelson, C. J., Laurium, Mich. Pocket match-safe. No. 901,548; Oct. 20; Sp. p. 3113; Dr. pp. 635-6; Gaz. vol. 136; p. 1620.
- Nelson, C. L., Seattle, Wash. Calculating-machine. No. 897,768; Sept. 1; Sp. p. 1057; Dr. pp. 228-30; Gaz. vol. 136; p. 171.
- Nelson, C. N., and N. A. Lee, Colfax, Wis. Water-heater. No. 900,873; Oct. 13; Sp. p. 1710; Dr. p. 346; Gaz. vol. 136; p. 1362.
- Nelson, C. R., Chicago, Ill., assignor to Sieber & Trussell Mfg. Co. Loose-leaf binder. No. 901,549; Oct. 20; Sp. p. 3114; Dr. p. 636; Gaz. vol. 136; p. 1620.
- Nelson, E., Longbeach, Cal. Bed-pan. No. 884,842; Apr. 14; Sp. p. 2429; Dr. p. 509; Gaz. vol. 133; p. 1606.
- Nelson, E. A., Salem township, Meigs county, Ohio. Harness attachment. No. 901,990; Oct. 27; Sp. p. 4046; Dr. p. 820; Gaz. vol. 136; p. 1794.
- Nelson, E. A., assignor to G. M. Stevenson, Syracuse, N. Y. Billiard-bridge. No. 890,789; June 16; Sp. p. 3255; Dr. p. 712; Gaz. vol. 134; p. 1637.
- Nelson, E. A., assignor to W. J. Newton and C. J. Woodall, Detroit, Mich. Two-cycle gas-engine. No. 898,913; Sept. 15; Sp. p. 3322; Dr. p. 712; Gaz. vol. 136; p. 603.
- Nelson, E. A., assignor to W. J. Newton and C. J. Woodall, Detroit, Mich. Transmission-gear for motor-vehicles. No. 899,258; Sept. 22; Sp. p. 4011; Dr. p. 856; Gaz. vol. 136; p. 744.
- Nelson, E. A., assignor to W. J. Newton and C. J. Woodall, Detroit, Mich. Gas-engine. No. 904,556; Nov. 24; Sp. p. 4157; Gaz. vol. 137; p. 758.
- Nelson, E. H., Glenville, Minn. Hog-trap. No. 882,647; Mar. 24; Sp. p. 4289; Dr. pp. 909-10; Gaz. vol. 133; p. 8002.
- Nelson, F. E. (See Larsen and Nelson.)
- Nelson, F. E., Los Angeles, Cal. Oil-supply apparatus. No. 906,735; Dec. 15; Sp. p. 3130; Gaz. vol. 137; p. 1563.
- Nelson, F. E., and G. W. Tribbey, Marshfield, Oreg. Gate. No. 877,361; Jan. 21; Sp. p. 3442; Dr. pp. 746-7; Gaz. vol. 132; p. 627.
- Nelson, F. H., and L. Bard, Norma, N. J. Automatic printing-machine. No. 883,421; Mar. 31; Sp. p. 5871; Dr. p. 1251; Gaz. vol. 133; p. 1084.
- Nelson, F. J., *et al.* (See Mayette, E., assignor.)
- Nelson, G. B., Redfield, Iowa. Attachment for corn-shellers. No. 884,944; Apr. 14; Sp. p. 2608; Dr. p. 550; Gaz. vol. 133; p. 1634.
- Nelson, G. N., Denver, Colo. Weed-puller. No. 901,820; Oct. 20; Sp. p. 3681; Dr. p. 748; Gaz. vol. 136; p. 1708.
- Nelson, G. W., Minneapolis, Minn. Buttonhole-machine. No. 887,503; May 12; Sp. p. 2402; Dr. p. 506; Gaz. vol. 134; p. 413.
- Nelson, H. (See Ohmer and Nelson.)
- Nelson, H. (See Ohmer, Bridenbaugh, and Nelson.)
- Nelson, H. C., and W. H. Mullins, Salem, Ohio. Under-water exhaust for launches. No. 900,576; Oct. 6; Sp. p. 1082; Dr. p. 222; Gaz. vol. 136; p. 1239.
- Nelson, H. L. (See Benson, G. T., assignor.)
- Nelson, H. R., Walnut Grove, Minn. Fastening device for rubbers. No. 892,760; July 7; Sp. p. 719; Dr. p. 152; Gaz. vol. 135; p. 124.
- Nelson, I., Chicago, Ill. Coin-controlled apparatus. No. 885,277; Apr. 21; Sp. p. 3316; Dr. p. 692; Gaz. vol. 133; p. 1777.
- Nelson, I. P., A. L. Meeks, T. O. Shappell, and J. A. Smalley, Montpelier, Ind. Lifting-jack for motor-cars. No. 896,853; Aug. 25; Sp. p. 4162; Dr. p. 891; Gaz. vol. 135; p. 1642.
- Nelson, J. (See Maze and Nelson.)
- Nelson, J. (See Sundberg and Nelson.)
- Nelson, J., Chicago, Ill. Street-sweeper. No. 882,578; Mar. 24; Sp. p. 4149; Dr. p. 880; Gaz. vol. 133; p. 777.
- Nelson, J., Cape May, N. J. Automatic switch for trolley-lines. No. 887,504; May 12; Sp. p. 2406; Dr. p. 507; Gaz. vol. 134; p. 413.
- Nelson, J., Peru, Ill. Brush. No. 904,800; Nov. 24; Sp. p. 4673; Gaz. vol. 137; p. 840.
- Nelson, J., Bay City, Mich. Jar-wrench. No. 907,857; Dec. 29; Sp. p. 5413; Gaz. vol. 137; p. 1995.
- Nelson, J., assignor to Chicago Portrait Company, Chicago, Ill. Photographic-printing frame. No. 885,637; Apr. 21; Sp. p. 4031; Dr. p. 845; Gaz. vol. 133; p. 1889.

Alphabetical list of patentees—Continued.

- Nelson, J., assignor to Chicago Heat Regulator Company, Chicago, Ill. Thermostat. No. 896,748; Aug. 25; Sp. p. 3928; Dr. p. 847; Gaz. vol. 135; p. 1605.
- Nelson, J., assignor to Illinois Malleable Iron Company, Chicago, Ill. Flush-tank. No. 891,283; June 23; Sp. p. 4245; Dr. p. 929; Gaz. vol. 134; p. 1829.
- Nelson, J., assignor to Edward P. Martin Company, Chicago, Ill. Balance. No. 897,389; Sept. 1; Sp. p. 302; Dr. p. 62; Gaz. vol. 136; p. 46.
- Nelson, J., assignor to Edward P. Martin Company, Chicago, Ill. Barometer. No. 889,836; Sept. 29; Sp. p. 5155; Dr. p. 1104; Gaz. vol. 136; p. 967.
- Nelson, J. H., Madison, Wis. Catch for swing-closures. No. 900,415; Oct. 6; Sp. p. 721; Dr. p. 150; Gaz. vol. 136; p. 1187.
- Nelson, J. L., Colona, Colo. Power-transmission mechanism. No. 875,945; Jan. 7; Sp. p. 491; Dr. p. 106; Gaz. vol. 132; p. 89.
- Nelson, J. M., Silver Creek, Miss. Window-screen. No. 906,914; Dec. 15; Sp. p. 3475; Gaz. vol. 137; p. 1619.
- Nelson, J. P., *et al.* (See Elgen, M. P., assignor.)
- Nelson, J. W., New York, N. Y. Hydraulic-pressure pump. No. 895,666; Aug. 11; Sp. p. 1779; Dr. p. 378; Gaz. vol. 135; p. 1212.
- Nelson, J. W., New York, N. Y. Hydraulic pump. No. 899,463; Sept. 22; Sp. p. 4359; Dr. p. 936; Gaz. vol. 136; p. 807.
- Nelson, J. W., New York, N. Y. Hydraulic pump. No. 904,557; Nov. 24; Sp. p. 4159; Gaz. vol. 137; p. 758.
- Nelson, J. W., and W. H. Mathers, New York, N. Y., assignors to W. M. Dudgeon, executor. Air-valve for hydraulic jacks. No. 899,462; Sept. 22; Sp. p. 4357; Dr. p. 936; Gaz. vol. 136; p. 807.
- Nelson, L., Oakland, Cal. Meat-roasting apparatus. No. 876,579; Jan. 14; Sp. p. 1830; Dr. p. 400; Gaz. vol. 132; p. 329.
- Nelson, L., Oakland, Cal. Corset-waist. No. 897,646; Sept. 1; Sp. p. 816; Dr. p. 171; Gaz. vol. 136; p. 131.
- Nelson, M., Littleton, N. C. Paper-cutter. No. 908,313; Dec. 29; Sp. p. 6372; Gaz. vol. 137; p. 2148.
- Nelson, N. D., New York, N. Y. Register. No. 882,076; Mar. 17; Sp. p. 3203; Dr. p. 631; Gaz. vol. 133; p. 582.
- Nelson, N. D., New York, N. Y. Support for neckties. No. 886,399; May 5; Sp. p. 116; Dr. p. 22; Gaz. vol. 134; p. 25.
- Nelson, N. H., Willmar, Minn. Brace. No. 877,110; Jan. 21; Sp. p. 2928; Dr. pp. 633-4; Gaz. vol. 132; p. 544.
- Nelson, N. H., Willmar, Minn. Digging and loading machine. No. 880,814; Mar. 3; Sp. p. 657; Dr. pp. 138-9; Gaz. vol. 133; p. 114.
- Nelson, N. H., Willmar, Minn. Digging and loading machine. No. 898,593; Sept. 15; Sp. p. 2718; Dr. pp. 581-2; Gaz. vol. 136; p. 499.
- Nelson, N. J., Red Wing, Minn. Mail-bag catching and delivering apparatus. No. 884,034; Apr. 7; Sp. p. 741; Dr. p. 153; Gaz. vol. 133; p. 1310.
- Nelson, N. P., Lexington, Oreg. Weeder or cultivator. No. 875,946; Jan. 7; Sp. p. 493; Dr. pp. 106-7; Gaz. vol. 132; p. 89.
- Nelson, N. R., Beaver Dam, Wis. Dust-proof disk bearing and attachment. No. 881,141; Mar. 10; Sp. p. 1302; Dr. p. 281; Gaz. vol. 133; p. 251.
- Nelson, N. K., Beaver Dam, Wis. Cover-retaining mechanism for hoppers of seeders or grain-drills. No. 887,834; May 19; Sp. p. 3055; Dr. p. 642; Gaz. vol. 134; p. 552.
- Nelson, O., Minneapolis, Minn. Grain-car door. No. 895,036; Aug. 4; Sp. p. 532; Dr. p. 108; Gaz. vol. 135; p. 981.
- Nelson, P. A., Wyand, Ill. Locking-pulley. No. 887,344; May 12; Sp. p. 2060; Dr. p. 431; Gaz. vol. 134; p. 361.
- Nelson, P. J. (See Marquette, J. S., assignor.)
- Nelson, R. C., Healdsburg, Cal. Oil-burner. No. 888,644; May 26; Sp. p. 4650; Dr. p. 987; Gaz. vol. 134; p. 848.
- Nelsen, S., New York, N. Y. Link for connecting chains. No. 894,223; July 28; Sp. p. 3861; Dr. p. 799; Gaz. vol. 135; p. 685.
- Nelson, S. T., assignor to Sullivan Machinery Company, Chicago, Ill. Hoisting-engine. No. 900,768; Oct. 13; Sp. p. 1474; Dr. pp. 300-1; Gaz. vol. 136; p. 1323.
- Nelson, S. T., assignor to Sullivan Machinery Company, Chicago, Ill. Hoisting-engine. No. 900,769; Oct. 13; Sp. p. 1481; Dr. pp. 301-3; Gaz. vol. 136; p. 1323.
- Nelson, T., Starbuck, Minn. Interlocking clevis. No. 876,829; Jan. 14; Sp. p. 2314; Dr. p. 508; Gaz. vol. 132; p. 409.
- Nelson, T. M., Marseilles, Ill. Whip-holder. No. 900,193; Oct. 6; Sp. p. 257; Dr. p. 52; Gaz. vol. 136; p. 1114.
- Nelson, W., Philadelphia, Pa. Water-gate. No. 906,736; Dec. 15; Sp. p. 3132; Gaz. vol. 137; p. 1563.
- Nelson, W. D., Marseilles, Ill. Corn-husking machine. No. 897,224; Aug. 25; Sp. p. 4948; Dr. pp. 1050-1; Gaz. vol. 135; p. 1763.
- Nelson, W. H., Kingsville, Mo. Mail-bag catching and delivering apparatus. No. 895,667; Aug. 11; Sp. p. 1781; Dr. pp. 378-9; Gaz. vol. 135; p. 1212.
- Nelson, W. H., and L. W. Galloway, Norwood, Colo. Air-cushion for air-compressors for automobiles and other vehicles. No. 887,505; May 12; Sp. p. 2407; Dr. p. 507; Gaz. vol. 134; p. 414.
- Neralic, F., McKeesport, Pa. Rail-joint. No. 889,034; May 26; Sp. p. 5456; Dr. p. 1159; Gaz. vol. 134; p. 974.
- Neren, J., Örebro, assignor to one-half to Rhedin, Goldkuhl & Co., Göttenborg, Sweden. Sash window and balance. No. 891,853; June 30; Sp. p. 5443; Dr. p. 1177; Gaz. vol. 134; p. 2050.
- Nerlich, F. W., Jr., Rochester, N. Y. Egg-carrier. No. 901,639; Oct. 20; Sp. p. 3287; Dr. p. 674; Gaz. vol. 136; p. 1648.
- Nernst Lamp Company. (See Nernst, W., assignor.)
- Nernst, W., Göttingen, Germany, assignor, by mesne assignments, to Nernst Lamp Company, Pittsburg, Pa. Electric glow-lamp. No. 900,416; Oct. 6; Sp. p. 722; Dr. p. 151; Gaz. vol. 136; p. 1187.
- Nernst, W., Göttingen, Germany, assignor, by mesne assignments, to Nernst Lamp Company, Pittsburg, Pa. Electrical incandescent lamp. No. 906,550; Dec. 15; Sp. p. 2762; Gaz. vol. 137; p. 1505.
- Nesmith, J. W., assignor to Colorado Iron Works Company, Denver, Colo. Blast-heating apparatus. No. 879,302; Feb. 18; Sp. p. 2895; Dr. p. 604; Gaz. vol. 132; p. 1333.
- Nesmith, J. W., assignor to Colorado Iron Works Company, Denver, Colo. Metal-flanging press. No. 893,863; July 21; Sp. p. 3105; Dr. pp. 635-6; Gaz. vol. 135; p. 547.
- Nessen, F. von. (See Johnson, F., assignor.)
- Nesseth, O. H., Badger, Minn. Holder for use in cleaning cream-separator disks. No. 880,564; Mar. 3; Sp. p. 139; Dr. p. 31; Gaz. vol. 133; p. 28.
- Nessler, F. W. T., assignor to F. Wattne, Stavanger, Norway. Seaming-machine. No. 907,858; Dec. 29; Sp. p. 5414; Gaz. vol. 137; p. 1996.
- Nestor, F., Elkins, W. Va. Cooking-vessel. No. 882,411; Mar. 17; Sp. p. 3319; Dr. p. 816; Gaz. vol. 133; p. 690.
- Netherwood, H. (See Keighley and Netherwood.)
- Nethery, J. W., Indianapolis, Ind., assignor to Nethery Valve Company, Augusta, Me. Faucet. No. 891,284; June 23; Sp. p. 4247; Dr. p. 935; Gaz. vol. 134; p. 1830.
- Nethery, J. W., Indianapolis, Ind., assignor to Nethery Valve Company, Augusta, Me. Faucet. No. 891,285; June 23; Sp. p. 4249; Dr. p. 930; Gaz. vol. 134; p. 1830.
- Nethery Valve Company. (See Nethery, J. W., assignor.)
- Nettenstrom, J. U., Chicago, Ill. Mechanism for locking roundhouse-doors. No. 885,858; Apr. 28; Sp. p. 4506; Dr. p. 946; Gaz. vol. 133; p. 1993.
- Nettleship, S., Fayetteville, Ark. Pea-harvester. No. 897,844; Sept. 1; Sp. p. 1225; Dr. pp. 261-2; Gaz. vol. 136; p. 195.
- Netto, M. da S., Paris, France, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Sighting-telescope. No. 886,628; May 5; Sp. p. 563; Dr. p. 119; Gaz. vol. 134; p. 100.
- Netzel, C., Chicago, Ill. Metallic bedstead. No. 901,992; Oct. 27; Sp. p. 4048; Dr. p. 821; Gaz. vol. 136; p. 1794.
- Neu, L., Lille, France. Means for protecting high-tension overhead electric conductors. No. 899,127; Sept. 22; Sp. p. 3715; Dr. p. 796; Gaz. vol. 136; p. 700.
- Neubauer, J. (See Schultz and Neubauer.)
- Neuberger, O., Frankfort-on-the-Main, Germany. Pad. No. 885,778; Apr. 28; Sp. p. 4340; Dr. p. 910; Gaz. vol. 133; p. 1965.
- Neubert, H., Chicago, Ill. Spring-wheel. No. 894,526; July 28; Sp. p. 4482; Dr. p. 928; Gaz. vol. 135; p. 785.
- Neuberth, G. E., Newark, N. J., assignor to Universal Caster & Foundry Company. Caster for furniture. No. 900,417; Oct. 6; Sp. p. 723; Dr. p. 151; Gaz. vol. 136; p. 1187.
- Neuberth, G. E., Newark, N. J., assignor to Universal Caster & Foundry Company. Caster for furniture. No. 900,577; Oct. 6; Sp. p. 1084; Dr. p. 222; Gaz. vol. 136; p. 1239.
- Neuens, M. W., assignor to Western Implement Company, Port Washington, Wis. Hand-truck. No. 894,282; July 28; Sp. p. 3997; Dr. p. 825; Gaz. vol. 135; p. 705.
- Neufeld, J. A., Mountain Lake, Minn. Grain-separator. No. 882,955; Mar. 24; Sp. p. 4912; Dr. pp. 1041-2; Gaz. vol. 133; p. 903.
- Neufeld, R. (See Adler, A., assignor.)
- Neugass, W., New York, N. Y. Washable Hat. No. 882,648; Mar. 24; Sp. p. 4290; Dr. p. 910; Gaz. vol. 133; p. 802.
- Neubaus, H. M., Susanville, Cal. Hay-loader. No. 889,392; June 2; Sp. p. 410; Dr. p. 96; Gaz. vol. 134; p. 1123.
- Neukirch, O., Cincinnati, Ohio. Street-cleaning machine. No. 880,392; Feb. 25; Sp. p. 5150; Dr. p. 1087; Gaz. vol. 132; p. 1772.
- Neuman, C. B., *et al.* (See Mullaney, Neuman, and Nicholson.)
- Neumann Air Power Company. (See Neumann, C., assignor.)
- Neumann, C., assignor to Natural Power Company, St. Louis, Mo. Centrifugal suction-machine. No. 832,477; Mar. 17; Sp. p. 3933; Dr. p. 841; Gaz. vol. 133; p. 712.
- Neumann, C., assignor to Natural Power Company, St. Louis, Mo. Pressure-blower. No. 882,478; Mar. 17; Sp. p. 3934; Dr. p. 841; Gaz. vol. 133; p. 712.
- Neumann, C., St. Louis, Mo., assignor, by mesne assignments, to Neumann Air Power Company. Air-compressor. No. 907,859; Dec. 29; Sp. p. 5417; Gaz. vol. 137; p. 1996.
- Neumann, E. T., Chicago, Ill. Lady's suit-hanger. No. 877,944; Feb. 4; Sp. p. 100; Dr. p. 23; Gaz. vol. 132; p. 865.
- Neumann, E. T., Chicago, Ill. Skirt-holder. No. 877,945; Feb. 4; Sp. p. 101; Dr. p. 23; Gaz. vol. 132; p. 866.

Alphabetical list of patentees—Continued.

- Neumann, F. E., New York, N. Y. Shaving-mirror. No. 893,357; July 14; Sp. p. 1946; Dr. p. 409; Gaz. vol. 135; p. 349.
- Neumann, H. (See Winand and Neumann.)
- Neumann, H., New York, N. Y. Sash-lock. No. 887,420; May 12; Sp. p. 2233; Dr. p. 467; Gaz. vol. 134; p. 386.
- Neumann, J. W. (See Schmitt and Neumann.)
- Neumayer, E., assignor to Optische Anstalt C. P. Goerz, Aktiengesellschaft, Friedenau, near Berlin, Germany. Telescope with displaceable reversing system. No. 879,572; Feb. 18; Sp. p. 3454; Dr. p. 723; Gaz. vol. 132; p. 1471.
- Neumayer, E., assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Telescope. No. 886,722; May 5; Sp. p. 793; Dr. p. 163; Gaz. vol. 134; p. 132.
- Neumeister, F. and H. C. Burhop, Howards Grove Wis. Cattle-stanchion. No. 901,366; Oct. 20; Sp. p. 2691; Dr. p. 552; Gaz. vol. 136; p. 1558.
- Neuner, M. C., Los Angeles, Cal. Bookbinding. No. 879,573; Feb. 18; Sp. p. 3455; Dr. p. 724; Gaz. vol. 132; p. 1471.
- Neuner, M. C., assignor to Neuner Specialty Book Co., Los Angeles, Cal. Loose-leaf binder. No. 883,042; Mar. 24; Sp. p. 5065; Dr. p. 1080; Gaz. vol. 133; p. 929.
- Neuner Specialty Book Co. (See Neuner, M. C., assignor.)
- Neureuther, A. H., Peru, assignor to Western Clock Manufacturing Company, La Salle, Ill. Mechanical movement. No. 887,835; May 19; Sp. p. 3056; Dr. pp. 642-3; Gaz. vol. 134; p. 552.
- Neureuther, A. H., Peru, assignor to Western Clock Manufacturing Company, La Salle, Ill. Lantern-pinion. No. 906,915; Dec. 15; Sp. p. 3476; Gaz. vol. 137; p. 1620.
- Neureuther, C. F., Peru, Ill. Metal-dipping machine. No. 907,274; Dec. 22; Sp. p. 4203; Gaz. vol. 137; p. 1773.
- Neusus, A., and B. F. Gible, Winslow, Ill.; said Gible assignor to said Neusus. Tank-heater. No. 894,688; July 28; Sp. p. 4810; Dr. p. 999; Gaz. vol. 135; p. 839.
- Neutra, S., assignor to W. Kaufmann, Vienna, Austria-Hungary. Water-gage. No. 900,033; Sept. 29; Sp. p. 5591; Dr. p. 1194; Gaz. vol. 136; p. 1031.
- Nevers, W. (See De Jonge and Nevers.)
- Neville, D. D., G. H. Clay, and J. H. Clewer; said Clewer assignor to C. M. Hanks, Kansas City, Mo. Commutator wiper and oiler. No. 885,278; Apr. 21; Sp. p. 3317; Dr. p. 693; Gaz. vol. 133; p. 1777.
- Neville, H., Los Angeles, Cal. Taper cutting and threading attachment for bolt-cutting machines. No. 883,561; Mar. 31; Sp. p. 6159; Dr. p. 1310; Gaz. vol. 133; p. 1125.
- Neville, J. F., Woodruff, Utah. Rotary pump. No. 883,224; Mar. 31; Sp. p. 5453; Dr. p. 1161; Gaz. vol. 133; p. 1020.
- Nevins, G. W., Perry, N. Y. Track-fastener. No. 902,757; Nov. 3; Sp. p. 442; Gaz. vol. 137; p. 76.
- New, A. L., Los Angeles, and W. N. Hickman, Avalon, Cal.; said Hickman assignor of one-half of his right to said New. Combination sending and receiving wireless-telegraph apparatus. No. 876,281; Jan. 7; Sp. p. 1163; Dr. p. 254; Gaz. vol. 132; p. 196.
- New Australian Rifle Company, Proprietary, Limited. (See Mues and Matthews, assignors.)
- New Bedford Foundry & Machine Company. (See Beese, E. L., assignor.)
- New Britain Machine Company. (See Brown, R. S., assignor.)
- New Delaville Spelter Company. (See Shortman, E. H., assignor.)
- New Departure Manufacturing Company. (See Rockwell, A. F., assignor.)
- New Departure Manufacturing Company. (See Rockwell, E. D., assignor.)
- New England Paper Box Machine Co. (See Mitchell, A. W., assignor.)
- New England Trolley Wheel Company. (See Tetlow, L. J., assignor.)
- New Era Machinery Company. (See Martin, C., assignor.)
- New Explosives Company. (See Carter, J. A., assignor.)
- New Haven Clock Co. (See Porter, W. E., assignor.)
- New Holland Machine Co. (See Zimmerman, A. M., assignor.)
- New Idea Improvement Company. (See Peterson, O. L., assignor.)
- New Jersey Patent Company. (See Aiken, E. L., assignor.)
- New Jersey Patent Company. (See Aylsworth, J. W., assignor.)
- New Jersey Patent Company. (See Dyer and Lewis, assignors.)
- New Jersey Patent Company. (See Holden, D., assignor.)
- New Jersey Patent Company. (See Lewis, F. D., assignor.)
- New Jersey Patent Company. (See Miller, W. H., assignor.)
- New Jersey Patent Company. (See Pierman, A. N., assignor.)
- New Jersey Patent Company. (See Weber, P., assignor.)
- New Jersey Wire Cloth Company. (See Himmewright, A. L. A., assignor.)
- New Process Varnish Company. (See Suter, F. R., assignor.)
- New Store & Library Fixture Company. (See Oles, A. B., assignor.)
- "New Way" Motor Company. (See Newbrough, W. H., assignor.)
- "New Way" Motor Company. (See Way, C. H., assignor.)
- New York Adding Typewriter Company. (See Cram, E. B., assignor.)
- New York Adding Typewriter Company. (See Hart, F. A., assignor.)
- New York Air Brake Company. (See Bickel, H. F., assignor.)
- New York Belting & Packing Company. (See Coughlin, E. J., assignor.)
- New York Leather Belting Company. (See Usina, E. A., assignor.)
- New York Link Belt Chain Company. (See Clouser, S. F., assignor.)
- New York Liquid Dispensing Machine Company. (See Cornish, H. S., assignor.)
- New York Standard Watch Company. (See Nutting, G., assignor.)
- Newark Cornice & Skylight Works. (See Yunker, G., assignor.)
- Newberry, S. B., Sandusky, Ohio. White non-staining Portland cement and making same. No. 900,874; Oct. 13; Sp. p. 1712; Gaz. vol. 136; p. 1363.
- Newbold, J. F., Cape May, N. J. Return-ball. No. 890,920; June 16; Sp. p. 3507; Dr. p. 768; Gaz. vol. 134; p. 1678.
- Newbold, S., Philadelphia, Pa. Metal-cutting tool. No. 899,603; Sept. 29; Sp. p. 4677; Dr. p. 1003; Gaz. vol. 136; p. 893.
- Newbrough, W. H., assignor to "New Way" Motor Company, Lansing, Mich. Carbureter for explosion-engines. No. 878,824; Feb. 11; Sp. p. 1958; Dr. p. 405; Gaz. vol. 132; p. 1188.
- Newburgh, A. G., Superior, Wis. Rail-handling truck. No. 877,111; Jan. 21; Sp. p. 2931; Dr. p. 634; Gaz. vol. 132; p. 544.
- Newby, W., Pittsburg, Pa. Mechanical glass-gatherer. No. 879,889; Feb. 25; Sp. p. 4130; Dr. p. 866; Gaz. vol. 132; p. 1607.
- Newcom, A. and J., Terrell, Tex. Hair-tonic. No. 885,073; Apr. 21; Sp. p. 2868; Gaz. vol. 133; p. 1709.
- Newcom, J. (See Newcom, A. and J.)
- Newcomb, C. N., West Palmbeach, Fla. Suction-dredge. No. 887,506; May 12; Sp. p. 2409; Dr. p. 507; Gaz. vol. 134; p. 414.
- Newcomb, D. L., San Diego, Cal. Mechanical ballot. No. 881,821; Mar. 10; Sp. p. 2630; Dr. pp. 564-5; Gaz. vol. 133; p. 469.
- Newcomb, D. L., San Diego, Cal. Vote-registering machine. No. 882,160; Mar. 17; Sp. p. 3342; Dr. pp. 713-16; Gaz. vol. 133; p. 608.
- Newcomb, E. A., Kansas City, Mo., assignor of one-half to A. B. Morgan, Rosedale, Kans. Gas-furnace. No. 889,256; June 2; Sp. p. 118; Dr. pp. 28-9; Gaz. vol. 134; p. 1078.
- Newcomb, G. A. (See Miller and Newcomb.)
- Newcomb, S. W., Camden, N. J. Swing. No. 905,740; Dec. 1; Sp. p. 1244; Gaz. vol. 137; p. 1186.
- Newell, A., Guadalajara, Mexico. Rail-fastening. No. 897,127; Aug. 25; Sp. p. 4750; Dr. p. 1012; Gaz. vol. 135; p. 1734.
- Newell, A. L., Ealing, England. Chromatic toy. No. 880,322; Feb. 25; Sp. p. 5010; Dr. p. 1057; Gaz. vol. 132; p. 1750.
- Newell, C. L., Dunn, assignor of one-half to L. H. Brown, Daisy, Wash. Swing-saw. No. 891,719; June 23; Sp. p. 5154; Dr. p. 1113; Gaz. vol. 134; p. 1973.
- Newell Engineering Company. (See Newell, H. T., assignor.)
- Newell, F. C., Wilkinsburg, Pa., assignor to F. C. Newell Mutograph Corporation, Cleveland, Ohio. Mutograph. No. 891,949; June 30; Sp. p. 5641; Dr. pp. 1215-17; Gaz. vol. 134; p. 2082.
- Newell, F. W., Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electrodynamic brake. No. 893,536; July 14; Sp. p. 2338; Dr. p. 490; Gaz. vol. 135; p. 408.
- Newell, H. T., Wilkinsburg, assignor to Newell Engineering Company, Pittsburg, Pa. Gas-producer. No. 881,258; Mar. 10; Sp. p. 1530; Dr. p. 329; Gaz. vol. 133; p. 288.
- Newell, I., Haverhill, Mass. Water-cooler. No. 895,781; Aug. 11; Sp. p. 2022; Dr. p. 429; Gaz. vol. 135; p. 1249.
- Newell, I., Haverhill, Mass. Water-cooler. No. 895,782; Aug. 11; Sp. p. 2025; Dr. p. 429; Gaz. vol. 135; p. 1250.
- Newell, J. M. (See Barnish, O., assignor.)
- Newell, N. C., assignor to Newell-Putnam Manufacturing Company, Springfield, Mass. Button. No. 905,741; Dec. 1; Sp. p. 1245; Gaz. vol. 137; p. 1186.
- Newell-Putnam Manufacturing Company. (See Newell, N. C., assignor.)
- Newerf, N. C., Buffalo, N. Y. Apparatus for use in construction of concrete buildings. No. 892,543; July 7; Sp. p. 290; Dr. pp. 63-4; Gaz. vol. 135; p. 55.
- Newgent, W., West Baden, Ind. Rail-joint. No. 880,906; Mar. 3; Sp. p. 862; Dr. pp. 183-4; Gaz. vol. 133; p. 144.

Alphabetical list of patentees—Continued.

- Newhall, G. M., Philadelphia, Pa. Water distribution for the prevention of fire. No. 876,222; Jan. 7; Sp. p. 1048; Dr. p. 226; Gaz. vol. 132; p. 176.
- Newhall, G. M., Philadelphia, Pa. Building construction. No. 902,898; Nov. 3; Sp. p. 750; Gaz. vol. 137; p. 124.
- Newhall, H. B. (See Pleister, H. W., assignor.)
- Newhall, H. B., Plainfield, N. J. Chain. No. 878,989; Feb. 11; Sp. p. 2269; Dr. p. 473; Gaz. vol. 132; p. 1240.
- Newhall, H. B., Plainfield, N. J. Chain. No. 878,990; Feb. 11; Sp. p. 2271; Dr. p. 474; Gaz. vol. 132; p. 1241.
- Newhall, H. B., Plainfield, N. J. Cable-clamp. No. 899,757; Sept. 29; Sp. p. 4984; Dr. p. 1068; Gaz. vol. 136; p. 941.
- Newhall, H. B., Plainfield, N. J. Expansion bolt-anchor. No. 907,393; Dec. 22; Sp. p. 4416; Gaz. vol. 137; p. 1812.
- Newhouse, H. J., Yorktown, Ind. Water-stop for deep wells. No. 887,836; May 19; Sp. p. 3059; Dr. p. 643; Gaz. vol. 134; p. 553.
- Newland, F. M., Alger, Ohio. Weeder. No. 876,580; Jan. 14; Sp. p. 1832; Dr. p. 400; Gaz. vol. 132; p. 329.
- Newlands, J. J., New York, N. Y. Reel-crank. No. 885,638; Apr. 21; Sp. p. 4032; Dr. p. 843; Gaz. vol. 133; p. 1890.
- Newlands, W. G. (See Armstrong, J., assignor.)
- Newlin, S. C., and G. W. Williams, Anderson, Ind. Railway-tie. No. 885,555; Apr. 21; Sp. p. 3887; Dr. p. 812; Gaz. vol. 133; p. 1865.
- Newlin, W. E., *et al.* (See Cunningham, F. H., assignor.)
- Newlon, F. E., Culbertson, Nebr. Plant-spacer. No. 893,190; July 14; Sp. p. 1628; Dr. p. 343; Gaz. vol. 135; p. 295.
- Newlon, W. B., Fremont, Nebr. Driving mechanism for grain-shovels. No. 896,038; Aug. 11; Sp. p. 2523; Dr. p. 546; Gaz. vol. 135; p. 1333.
- Newman, A., Webster City, Iowa. Calculating-machine. No. 890,168; June 9; Sp. p. 1950; Dr. p. 430; Gaz. vol. 134; p. 1401.
- Newman, A., assignor to Henry W. Price Co., Rockford, Ill. Glove. No. 883,334; Mar. 31; Sp. p. 5663; Dr. p. 1209; Gaz. vol. 133; p. 1055.
- Newman, A. A., Chicago, Ill. Watchman's clock. No. 876,655; Jan. 14; Sp. p. 2008; Dr. p. 437; Gaz. vol. 132; p. 356.
- Newman, A. A., Chicago, Ill. Key for watchmen's clocks and securing device therefor. No. 878,739; Feb. 11; Sp. p. 1791; Dr. p. 371; Gaz. vol. 132; p. 1161.
- Newman, A. A., Chicago, Ill. Key for watchmen's clocks and securing device therefor. No. 878,740; Feb. 11; Sp. p. 1792; Dr. p. 372; Gaz. vol. 132; p. 1161.
- Newman, A. A., Chicago, Ill. Marking device for watchmen's clocks. No. 878,741; Feb. 11; Sp. p. 1793; Dr. p. 372; Gaz. vol. 132; p. 1161.
- Newman, A. A., Chicago, Ill. Marking device for watchmen's clocks. No. 878,742; Feb. 11; Sp. p. 1794; Dr. p. 372; Gaz. vol. 132; p. 1162.
- Newman, A. A., Chicago, Ill. Time-recorder. No. 883,473; Mar. 31; Sp. p. 5982; Dr. p. 1276; Gaz. vol. 133; p. 1102.
- Newman, A. A., Chicago, Ill. Watchman's clock. No. 885,366; Apr. 21; Sp. p. 3507; Dr. p. 732; Gaz. vol. 133; p. 1807.
- Newman, A. A., Chicago, Ill. Marking device for watchmen's clocks. No. 889,393; June 2; Sp. p. 411; Dr. p. 97; Gaz. vol. 134; p. 1123.
- Newman, A. A., Chicago, Ill. Watchman's time-register. No. 901,462; Oct. 20; Sp. p. 2927; Dr. p. 597; Gaz. vol. 136; p. 1591.
- Newman, A. A., assignor to Newman Clock Company, Chicago, Ill. Patrol-box for watchmen's time-keys. No. 883,736; Apr. 7; Sp. p. 114; Dr. p. 20; Gaz. vol. 133; p. 1211.
- Newman, A. H., Oakland, Cal. Oil-burner. No. 895,668; Aug. 11; Sp. p. 1784; Dr. p. 379; Gaz. vol. 135; p. 1213.
- Newman, A. M., Johannesburg, assignor to one-half to L. A. Levey, Maraisburg, Transvaal. Safety-brake mechanism for mine cages, skips, and lifts. No. 887,264; May 12; Sp. p. 1850; Dr. pp. 390-1; Gaz. vol. 134; p. 331.
- Newman, A. T., Greeley, Kans. Telegraph-switchboard. No. 879,300; Feb. 18; Sp. p. 2891; Dr. p. 603; Gaz. vol. 132; p. 1383.
- Newman, A. T., Greeley, Kans. Washing-machine. No. 886,845; May 5; Sp. p. 1029; Dr. p. 216; Gaz. vol. 134; p. 169.
- Newman, A. T., Greeley, Kans. Gas-regulator. No. 901,991; Oct. 27; Sp. p. 4046; Dr. p. 820; Gaz. vol. 136; p. 1794.
- Newman, C., Staunton, Va. Wheel-tire clamp. No. 879,574; Feb. 18; Sp. p. 3457; Dr. p. 724; Gaz. vol. 132; p. 1472.
- Newman Clock Company. (See Newman, A. A., assignor.)
- Newman, E., assignor to Self Lighting Street Lamp Company, Cincinnati, Ohio. Automatic light. No. 892,293; June 30; Sp. p. 6292; Dr. p. 1355; Gaz. vol. 134; p. 2194.
- Newman, G., San Francisco, Cal. Adjustable fastener for suspenders and the like. No. 890,999; June 16; Sp. p. 3691; Dr. p. 805; Gaz. vol. 134; p. 1705.
- Newman J., assignor to E. Germain, Saginaw, Mich. Bellows-actuating device for mechanical piano-players. No. 907,860; Dec. 29; Sp. p. 5419; Gaz. vol. 137; p. 1997.
- Newman, J., assignor to E. Germain, Saginaw, Mich. Key-rail device for mechanical piano-players. No. 907,861; Dec. 29; Sp. p. 5421; Gaz. vol. 137; p. 1997.
- Newman, J. A., and A. Haapala, Ashtabula Harbor, Ohio. Automatic magazine-pencil. No. 876,223; Jan. 7; Sp. p. 1050; Dr. p. 226; Gaz. vol. 132; p. 177.
- Newman, O. F. (See Barrath, E., assignor.)
- Newman, O. H., Los Angeles, Cal. Musical instrument. No. 890,296; June 9; Sp. p. 2239; Dr. p. 492; Gaz. vol. 134; p. 1443.
- Newman, O. H., Los Angeles, Cal. Musical instrument. No. 890,297; June 9; Sp. p. 2241; Dr. p. 492; Gaz. vol. 134; p. 1444.
- Newman, S. D., Jellico, Tenn. Cabinet. No. 878,228; Feb. 4; Sp. p. 689; Dr. p. 142; Gaz. vol. 132; p. 958.
- Newman, S. D., Jellico, Tenn. Money-drawer alarm. No. 884,843; Apr. 14; Sp. p. 2430; Dr. p. 509; Gaz. vol. 133; p. 1606.
- Newman, T., Los Angeles, Cal. Poison-warning bottle. No. 889,394; June 2; Sp. p. 412; Dr. p. 97; Gaz. vol. 134; p. 1123.
- Newman, T., and I. M. Davidson, Los Angeles, Cal.; said Davidson assignor to said Newman. Vehicle-wheel. No. 908,026; Dec. 29; Sp. p. 5774; Gaz. vol. 137; p. 2050.
- Newman, W. J., Chicago, Ill. Digging-shovel. No. 881,330; Mar. 10; Sp. p. 1672; Dr. p. 360; Gaz. vol. 133; p. 311.
- Newman, W. J., Chicago, Ill. Garment. No. 906,551; Dec. 15; Sp. p. 2784; Gaz. vol. 137; p. 1505.
- Newnom, U. A., assignor to two-thirds to D. Snyder and D. W. Levy, Sr., Philadelphia, Pa. Non-refillable bottle. No. 895,886; Aug. 11; Sp. p. 2224; Dr. p. 474; Gaz. vol. 135; p. 1283.
- Newpher, A. H., Chicago, Ill. Combined rail-joint and anti-rail-spreader. No. 901,026; Oct. 13; Sp. p. 2026; Dr. p. 411; Gaz. vol. 136; p. 1413.
- Newsam, T., Jr., Farmington, Ill. Car-loading device. No. 898,594; Sept. 15; Sp. p. 2722; Dr. pp. 582-3; Gaz. vol. 136; p. 499.
- Newsom, W. T., Columbus, Ind. Combination-cane. No. 889,035; May 26; Sp. p. 5457; Dr. p. 1160; Gaz. vol. 134; p. 975.
- Newsome, W. R., Hartford, Conn. Fishing-fly holder. No. 885,511; Apr. 21; Sp. p. 3764; Dr. p. 792; Gaz. vol. 133; p. 1851.
- Newton, C. H., Knoxville, assignor to one-fifth to G. J. Smith, Pittsburg, Pa. Adjustable curtain-support. No. 893,537; July 14; Sp. p. 2340; Dr. p. 490; Gaz. vol. 135; p. 408.
- Newton-Smith, C. C., London, England. Paper-binder. No. 884,409; Apr. 14; Sp. p. 1495; Dr. p. 321; Gaz. vol. 133; p. 1462.
- Newton, A. E., Worcester, Mass. Power-transmitting mechanism. No. 895,102; Aug. 4; Sp. p. 655; Dr. pp. 137-8; Gaz. vol. 135; p. 1003.
- Newton, A. E., Worcester, Mass. Gearing. No. 895,103; Aug. 4; Sp. p. 659; Dr. p. 138; Gaz. vol. 135; p. 1003.
- Newton, A. E., Worcester, Mass. Gearing. No. 895,104; Aug. 4; Sp. p. 661; Dr. pp. 138-9; Gaz. vol. 135; p. 1003.
- Newton, A. E., Worcester, Mass. Driving-gearing for upright drills. No. 895,105; Aug. 4; Sp. p. 665; Dr. p. 139; Gaz. vol. 135; p. 1004.
- Newton, A. E., Worcester, Mass. Change-speed gearing for engine-lathes. No. 895,106; Aug. 4; Sp. p. 667; Dr. p. 140; Gaz. vol. 135; p. 1004.
- Newton, A. S., Providence, R. I. Antirattling device. No. 897,478; Sept. 1; Sp. p. 485; Dr. p. 103; Gaz. vol. 136; p. 77.
- Newton, B., Pardeeville, Wis. Garment-supporter. No. 884,289; Apr. 7; Sp. p. 1258; Dr. p. 264; Gaz. vol. 133; p. 1393.
- Newton, C. C., assignor to Newton Machine Tool Works, Incorporated, Philadelphia, Pa. Key-seating machine. No. 903,757; Nov. 10; Sp. p. 2441; Gaz. vol. 137; p. 427.
- Newton, C. R., East Rand, Transvaal. Coupling for percussive apparatus. No. 886,240; Apr. 28; Sp. p. 5262; Dr. p. 1108; Gaz. vol. 133; p. 2118.
- Newton, E. J. (See Everett and Newton.)
- Newton, G. F., Kansas City, Kans., assignor to one-half to T. Summers, Kansas City, Mo. No. 894,390; July 28; Sp. p. 4215; Dr. p. 869; Gaz. vol. 135; p. 740.
- Newton, G. W., Newton, Iowa. Tray for egg-testers. No. 896,932; Aug. 25; Sp. p. 4345; Dr. p. 931; Gaz. vol. 135; p. 1669.
- Newton, H. C., Kew, near Melbourne, and A. G. M. Michell, Melbourne, Victoria, Australia. Cipher system. No. 879,667; Feb. 18; Sp. p. 3664; Dr. p. 765; Gaz. vol. 132; p. 1501.
- Newton, J. F., Jr., Boston, Mass. Hanger-strap or handhold for cars, &c. No. 879,575; Feb. 18; Sp. p. 3459; Dr. p. 725; Gaz. vol. 132; p. 1472.
- Newton, J. F., Jr., Boston, Mass. Hanger-strap or handhold for cars, &c. No. 901,119; Oct. 13; Sp. p. 2195; Dr. pp. 446-7; Gaz. vol. 136; p. 1441.
- Newton, J. V., Los Angeles, Cal. Clasp. No. 900,034; Sept. 29; Sp. p. 5593; Dr. p. 1194; Gaz. vol. 136; p. 1032.
- Newton Machine Tool Works. (See Newton, C. C., assignor.)
- Newton & Merriam. (See Sinclair, G. G., assignor.)
- Newton, N. A., Kalamazoo, Mich. Vehicle-wheel. No. 879,301; Feb. 18; Sp. p. 2893; Dr. p. 603; Gaz. vol. 132; p. 1383.
- Newton, W. G., assignor to Peck Bros. & Co., New Haven, Conn. Combined descending shower and shampoo fixture for shower-baths. No. 901,728; Oct. 20; Sp. p. 3509; Dr. p. 709; Gaz. vol. 136; p. 1679.
- Newton, W. J., *et al.* (See Nelson, E. A., assignor.)
- Newton, W. N. (See Gold, Z. J., assignor.)
- Newton, W. S. (See Galarneau and Newton.)
- Ney, A. D., Aurora, Ill. Concrete-mixer. No. 908,120; Dec. 29; Sp. p. 5960; Gaz. vol. 137; p. 2081.

Alphabetical list of patentees—Continued.

- Ney, M. R., and S. S. Ullman, Washington, D. C. Burglar-alarm system and apparatus therefor. No. 880,160; Feb. 25; Sp. p. 4689; Dr. p. 988; Gaz. vol. 132; p. 1606.
- Ney Manufacturing Company. (See Burkholder, J. H., assignor.)
- Ney Manufacturing Company. (See Rowland, D. E., assignor.)
- Ney Manufacturing Company. (See Thurston, M., assignor.)
- Neyerling, G. J., Kansas City, Mo. Attachment for steam-rollers. No. 903,223; Nov. 10; Sp. p. 1382; Gaz. vol. 137; p. 256.
- Neyland, C. A., Spokane, Wash. Current-motor. No. 880,393; Feb. 25; Sp. p. 5152; Dr. pp. 1087-8; Gaz. vol. 132; p. 1773.
- Neymann, P. (See Dosselman and Neymann.)
- Niagara Forged Steel Company. (See Woodcock, W. H., assignor.)
- Niagara Hydraulic Engine Company. (See Francfort, A. H., assignor.)
- Niagara, Lockport and Ontario Power Company. (See Paine, F. B. H., assignor.)
- Nicault, J. (See Guéniffet, Benoit, and Nicault.)
- Nice, W., Jr. (See Simpson, J. F., assignor.)
- Nice, W., Jr., Ogontz, Pa., assignor to Pressed Steel Manufacturing Company, Atco, N. J. Ball-bearing. No. 887,265; May 12; Sp. p. 1854; Dr. p. 391; Gaz. vol. 134; p. 332.
- Nichol, J. D., Finley, Wash. Automatic pressure-retaining valve for air-brake systems. No. 894,689; July 28; Sp. p. 4811; Dr. p. 999; Gaz. vol. 135; p. 839.
- Nichol, J. D., Amadore, Mich. Air-brake system. No. 899,427; Sept. 22; Sp. p. 4296; Dr. p. 922; Gaz. vol. 136; p. 796.
- Nicholas, R. G., Clyde, Kans. Cloth-measuring machine. No. 904,078; Nov. 17; Sp. p. 3127; Gaz. vol. 137; p. 568.
- Nicholes, H. W., and J. R. Jones, Atlanta, assignors to Vending Showcase Company, Rome, Ga. Vending-machine. No. 896,234; Aug. 13; Sp. p. 2878; Dr. p. 621; Gaz. vol. 135; p. 1418.
- Nicholes, H. W., and J. R. Jones, Atlanta, assignors to Vending Showcase Company, Rome, Ga. Coin-controlled mechanism. No. 896,235; Aug. 18; Sp. p. 2880; Dr. p. 622; Gaz. vol. 135; p. 1418.
- Nicholls, E. O. (See Vaughan and Nicholls.)
- Nicholls, F. W. (See Nicholls, W. N. and F. W.)
- Nicholls, G. H., Galveston, Tex. Shoe-lace fastener. No. 880,323; Feb. 25; Sp. p. 5011; Dr. p. 1057; Gaz. vol. 132; p. 1750.
- Nicholls, G. H., Galveston, Tex. Shoe-lace fastener. No. 882,479; Mar. 17; Sp. p. 3935; Dr. p. 841; Gaz. vol. 133; p. 712.
- Nicholls, H. D., Philadelphia, Pa. Grinding and sharpening machine. No. 907,862; Dec. 29; Sp. p. 5421; Gaz. vol. 137; p. 1997.
- Nicholls, W. H., Boston, Mass., assignor to Gillette Safety Razor Company. Safety-razor. No. 905,913; Dec. 8; Sp. p. 1585; Gaz. vol. 137; p. 1273.
- Nicholls, W. N. and F. W., Toronto, Ontario, Canada. Vibrator. No. 878,083; Feb. 4; Sp. p. 386; Dr. p. 80; Gaz. vol. 132; p. 911.
- Nicholls, W. T., Wellsburg, W. Va. Method of and apparatus for forming glass tiles. No. 894,040; July 21; Sp. p. 3478; Dr. pp. 712-13; Gaz. vol. 135; p. 605.
- Nichols, A. B., Hastings, Minn. Cultivator-fender. No. 888,348; May 19; Sp. p. 4030; Dr. p. 850; Gaz. vol. 134; p. 717.
- Nichols, A. S., New York, N. Y. Factory spool-holder. No. 902,247; Oct. 27; Sp. p. 4550; Dr. p. 923; Gaz. vol. 136; p. 1875.
- Nichols, A. S., New York, N. Y. Manufacturing implement. No. 906,651; Dec. 15; Sp. p. 2966; Gaz. vol. 137; p. 1535.
- Nichols, C. L., and R. Hogan, Franklin, Ind. Circle-drafting instrument. No. 884,844; Apr. 14; Sp. p. 2431; Dr. p. 510; Gaz. vol. 133; p. 1606.
- Nichols, E. B., Mount Airy, N. C. Match-box. No. 898,914; Sept. 15; Sp. p. 3323; Dr. p. 712; Gaz. vol. 136; p. 604.
- Nichols, E. W., East Orange, N. J., assignor to himself and M. P. Smith & Sons Company, New York, N. Y. Rotary shovel. No. 893,749; July 21; Sp. p. 2868; Dr. p. 589; Gaz. vol. 135; p. 509.
- Nichols, F. M., Chillicothe, Ohio. Clutch. No. 900,578; Oct. 6; Sp. p. 1085; Dr. p. 222; Gaz. vol. 136; p. 1240.
- Nichols, F. Y. (See Korten, H., assignor.)
- Nichols, H. B., Philadelphia, Pa. Railway-switch. No. 901,254; Oct. 13; Sp. p. 2426; Dr. pp. 498-9; Gaz. vol. 136; p. 1484.
- Nichols, H. C. (See Whipple, C. S., assignor.)
- Nichols, H. G., Ymir, British Columbia, Canada. Slimeseparator. No. 899,428; Sept. 22; Sp. p. 4298; Dr. p. 922; Gaz. vol. 136; p. 797.
- Nichols, J. W., Chicago, Ill. Pail-seal. No. 886,011; Apr. 28; Sp. p. 4833; Dr. p. 1015; Gaz. vol. 133; p. 2044.
- Nichols, J. W., Leominster, Mass. Barrette or hair-retainer. No. 902,317; Oct. 27; Sp. p. 4706; Dr. p. 953; Gaz. vol. 136; p. 1899.
- Nichols, M. F., Oswayo, Pa. Automatic gas cut-off. No. 906,152; Dec. 8; Sp. p. 2039; Gaz. vol. 137; p. 1349.
- Nichols, R. C., Everett, Wash. Rail-tie. No. 883,562; Mar. 31; Sp. p. 6161; Dr. p. 1310; Gaz. vol. 133; p. 1128.
- Nichols, R. J., Stillwater, Okla. Bandeau. No. 890,696; June 16; Sp. p. 3043; Dr. p. 668; Gaz. vol. 134; p. 1605.
- Nichols, R. L., and L. C. Kleidon, Philadelphia, Pa. Pencil attachment. No. 897,128; Aug. 25; Sp. p. 4751; Dr. p. 1012; Gaz. vol. 135; p. 1734.
- Nichols, S. A., Los Angeles, Cal. Extension-table. No. 881,610; Mar. 10; Sp. p. 2224; Dr. p. 484; Gaz. vol. 133; p. 403.
- Nichols, T., Templeton, assignor of one-half to E. J. McKnight, Gardner, Mass. Flexibly-supported tool. No. 881,865; Mar. 10; Sp. p. 2739; Dr. p. 587; Gaz. vol. 133; p. 484.
- Nichols, T. C. (See Lancaster and Nichols.)
- Nichols, W. G., Chicago, Ill., assignor to American Brake Shoe & Foundry Company, Jersey City, N. J. Making articles of manganese steel and like metal. No. 888,253; May 19; Sp. p. 3844; Dr. pp. 807-8; Gaz. vol. 134; p. 688.
- Nicholson, A., and I. T. Rude, Chicago, Ill. Hand-shears. No. 884,410; Apr. 14; Sp. p. 1496; Dr. p. 321; Gaz. vol. 133; p. 1462.
- Nicholson, E. P., New York, N. Y., assignor of one-half to J. A. Richardson, South Norwalk, Conn. Fluid-pressure motor. No. 901,550; Oct. 20; Sp. p. 3115; Dr. p. 636; Gaz. vol. 136; p. 1620.
- Nicholson, J., Boston, Mass. Vehicle-wheel. No. 892,294; June 30; Sp. p. 6295; Dr. p. 1355; Gaz. vol. 134; p. 2194.
- Nicholson, J., Frackville, Pa. Carbon pencil of electric arc lights. No. 901,993; Oct. 27; Sp. p. 4049; Dr. p. 821; Gaz. vol. 136; p. 1795.
- Nicholson, J. B., and A. R. Warfield, Washington, D. C. Device for handling file-cases. No. 904,888; Nov. 24; Sp. p. 4870; Gaz. vol. 137; p. 869.
- Nicholson, J. B., and A. R. Warfield, Washington, D. C. Alarm device for fire-alarm boxes. No. 904,889; Nov. 24; Sp. p. 4871; Gaz. vol. 137; p. 870.
- Nicholson, J. J., deceased; S. A. Nicholson, administratrix, Snake Valley, Victoria, assignor to H. A. Adams, Linton, Australia. Document file and assembling means. No. 887,011; May 5; Sp. p. 1336; Dr. p. 283; Gaz. vol. 134; p. 222.
- Nicholson, J. T., Wilkes-Barre, Pa. Conveyor-chain. No. 886,065; Apr. 28; Sp. p. 4946; Dr. p. 1039; Gaz. vol. 133; p. 2061.
- Nicholson, L. C., Buffalo, N. Y. Fault-locating apparatus. No. 880,565; Mar. 3; Sp. p. 141; Dr. p. 32; Gaz. vol. 133; p. 28.
- Nicholson, M. (See Mullaney, Neuman, and Nicholson.)
- Nicholson, S. A., administratrix. (See Nicholson, J. J.)
- Nicholson, T. C., Memphis, Tenn. Door-fastener. No. 890,441; June 9; Sp. p. 2508; Dr. p. 555; Gaz. vol. 134; p. 1489.
- Nicholson, T. E., Washington, Iowa. Ditching-machine. No. 881,942; Mar. 17; Sp. p. 2921; Dr. p. 623; Gaz. vol. 133; p. 539.
- Nicholson, W. D., and W. H. Smith, Clymers, Ind. Boiler-cleaner. No. 906,652; Dec. 15; Sp. p. 2967; Gaz. vol. 137; p. 1535.
- Nickel, A., assignor to Wessell, Nickel & Gross, New York, N. Y. Repeating action for grand pianos. No. 879,978; Feb. 25; Sp. p. 4324; Dr. p. 905; Gaz. vol. 132; p. 1637.
- Nickel, A., assignor to Wessell, Nickel & Gross, New York, N. Y. Repeating action for grand pianos. No. 902,439; Oct. 27; Sp. p. 4966; Dr. p. 1003; Gaz. vol. 136; p. 1939.
- Nickel, F. C., Concord, assignor to Monmouth Acetylene-Electric Manufacturing Company, Monmouth, Ill. Acetylene-gas generator. No. 901,640; Oct. 20; Sp. p. 3288; Dr. p. 674; Gaz. vol. 136; p. 1648.
- Nickel, F. F., East Orange, N. J. Slide-rule. No. 880,907; Mar. 3; Sp. p. 863; Dr. pp. 184-5; Gaz. vol. 133; p. 144.
- Nickel, F. F., East Orange, N. J., assignor to Henry R. Worthington. Tube-head. No. 887,113; May 12; Sp. p. 1546; Dr. p. 327; Gaz. vol. 134; p. 283.
- Nickells, F. S., London, England. Air-pump or inflater. No. 896,933; Aug. 25; Sp. p. 4346; Dr. pp. 931-2; Gaz. vol. 135; p. 1669.
- Nickerson, J., Athol, Mass. Sole-edge trimmer. No. 897,479; Sept. 1; Sp. p. 485; Dr. p. 103; Gaz. vol. 136; p. 77.
- Nicklaus, J. G. (See Barry, W. M., assignor.)
- Nicklin, E. T., and M. Campau, Los Angeles, Cal. Commodity-dividing apparatus. No. 884,845; Apr. 14; Sp. p. 2434; Dr. p. 510; Gaz. vol. 133; p. 1607.
- Nicklin, E. T., and J. Bergquist, Los Angeles, Cal., assignors to Cudahy Packing Co., Chicago, Ill. Branding apparatus. No. 894,690; July 28; Sp. p. 4813; Dr. p. 999; Gaz. vol. 135; p. 839.
- Nickol, F. C., Dayton, Ohio. Flushing apparatus for water-closets. No. 901,185; Oct. 13; Sp. p. 2304; Dr. p. 472; Gaz. vol. 136; p. 1462.
- Nickum, C., Logansport, Ind. Machine for sharpening pencils. No. 897,647; Sept. 1; Sp. p. 817; Dr. p. 172; Gaz. vol. 136; p. 131.
- Niclausse, A. (See Niclausse, J. and A.)
- Niclausse, J. and A., Paris, France. Axle for motor road-vehicles. No. 899,891; Sept. 29; Sp. p. 5292; Dr. p. 1127; Gaz. vol. 136; p. 985.
- Nicodemus, A. M. (See Wright and Nicodemus.)
- Nicodemus, A. M., Chicago, Ill. Cooking utensil. No. 894,974; Aug. 4; Sp. p. 402; Dr. p. 81; Gaz. vol. 135; p. 959.
- Nicol, A. S., Aberdeen, Wash. Combined wet and dry pipe valve. No. 886,629; May 5; Sp. p. 565; Dr. p. 119; Gaz. vol. 134; p. 100.
- Nicol, F. V., et al. (See Banta, G. D., assignor.)
- Nicolai, G., Denver, Colo., assignor to E. E. Haigrove, Kansas City, Mo. Target-trap. No. 880,394; Feb. 25; Sp. p. 5155; Dr. p. 1088; Gaz. vol. 132; p. 1773.

Alphabetical list of patentees—Continued.

- Nicolai, L. J. F., assignor to "Phateco" Gesellschaft mit beschränkter Haftung, Dresden, Germany. Rubbing apparatus for the gums. No. 877,585; Jan. 28; Sp. p. 3911; Dr. p. 846; Gaz. vol. 132; p. 722.
- Nicolas, J. F., Chicago, Ill. Skinning device. No. 900,300; Oct. 6; Sp. p. 486; Dr. p. 101; Gaz. vol. 136; p. 1149.
- Nicolay, W. H., New York, N. Y. Sign-illuminating device. No. 877,362; Jan. 21; Sp. p. 3444; Dr. p. 747; Gaz. vol. 132; p. 628.
- Nicoll, K., Menomonee, Wis. Explosive-engine. No. 886,846; May 5; Sp. p. 1030; Dr. p. 217; Gaz. vol. 136; p. 169.
- Nicoll, W. (See Grout, L. W., assignor.)
- Nicolson, W. S., Salisbury, N. C. Washing-machine. No. 906,816; Dec. 15; Sp. p. 3282; Gaz. vol. 137; p. 1589.
- Niday, J. W., assignor of one-half to T. E. Robinson, Unionville, Mo. Door-holder. No. 893,009; July 14; Sp. p. 1273; Dr. p. 268; Gaz. vol. 135; p. 237.
- Nidever, H. B., Monterey, Cal. Exerciser. No. 885,074; Apr. 21; Sp. p. 2869; Dr. p. 609; Gaz. vol. 133; p. 1709.
- Niebel, G., Dunkirk, N. Y. Fertilizer-distributor. No. 880,908; Mar. 3; Sp. p. 866; Dr. p. 185; Gaz. vol. 133; p. 145.
- Niebuhr, W. C., St. James, Minn. Bundle-conveying attachment for threshing-machines. No. 884,753; Apr. 14; Sp. p. 2234; Dr. pp. 471-2; Gaz. vol. 133; p. 1575.
- Niederer, J., Heiden-Bissau, Switzerland. Button. No. 895,293; Aug. 4; Sp. p. 1063; Dr. p. 222; Gaz. vol. 135; p. 1068.
- Niederlander, N. F., assignor to Westinghouse Automatic Air & Steam Coupler Company, St. Louis, Mo. Coupling apparatus for electric circuits. No. 883,225; Mar. 31; Sp. p. 5454; Dr. pp. 1161-2; Gaz. vol. 133; p. 1021.
- Niederlander, N. F., assignor to Westinghouse Automatic Air & Steam Coupler Company, St. Louis, Mo. Automatic train-pipe coupling. No. 888,189; May 19; Sp. p. 3726; Dr. pp. 780-1; Gaz. vol. 134; p. 666.
- Nieland, W., Newark, N. J. Vegetable-cutter. No. 903,307; Nov. 10; Sp. p. 1538; Gaz. vol. 137; p. 284.
- Nield, J. H., Hackensack, N. J., assignor to General Chemical Company, New York, N. Y. Producing mixtures of sulfuric and nitric acids. No. 884,035; Apr. 7; Sp. p. 743; Dr. p. 153; Gaz. vol. 133; p. 1311.
- Nield, W. H. (See Melland and Nield.)
- Niell, M., New York, N. Y. Photographic-film package and holder therefor. No. 900,194; Oct. 6; Sp. p. 258; Dr. p. 52; Gaz. vol. 136; p. 1114.
- Niell, M., New York, N. Y. Vest-pocket camera. No. 904,005; Nov. 17; Sp. p. 2982; Gaz. vol. 137; p. 545.
- Nielsen, C., *et al.* (See Nielsen, R., assignor.)
- Nielsen, I., New Rochelle, N. Y. Fire-escape. No. 877,363; Jan. 21; Sp. p. 3445; Dr. p. 747; Gaz. vol. 132; p. 628.
- Nielsen, I., New Rochelle, N. Y., assignor to F. W. Hoyt, Norwalk, Conn., and F. C. Geiger, East Orange, N. J. Safety-pin attachment. No. 890,442; June 9; Sp. p. 2509; Dr. p. 555; Gaz. vol. 134; p. 1489.
- Nielsen, L. M., Montclair, N. J. Envelop sealing and stamping machine. No. 879,576; Feb. 18; Sp. p. 3462; Dr. pp. 725-7; Gaz. vol. 132; p. 1472.
- Nielsen, N. C., Hellerup, near Copenhagen, Denmark. Vessel for storing and transporting milk and other liquids. No. 902,758; Nov. 3; Sp. p. 443; Gaz. vol. 137; p. 76.
- Nielsen, R., assignor to C. Nielsen and H. S. Giles, Troy, N. Y. Ice-cream scraper. No. 884,411; Apr. 14; Sp. p. 1497; Dr. p. 322; Gaz. vol. 133; p. 1462.
- Nielsen, S., New York, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 889,954; June 9; Sp. p. 1501; Dr. p. 341; Gaz. vol. 134; p. 1328.
- Nielsen, S., New York, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 889,955; June 9; Sp. p. 1507; Dr. p. 341; Gaz. vol. 134; p. 1328.
- Nielsen, W. H. (See Tilden, E. G., assignor.)
- Nieman, G. H. (See Hill, C., assignor.)
- Niemann, F. A. (See Wetmore and Niemann.)
- Niemann, F. W., Chicago, Ill. Sanding tanks. No. 877,112; Jan. 21; Sp. p. 2932; Dr. p. 634; Gaz. vol. 132; p. 545.
- Niemann, H., New York, N. Y. Automatic gas cut-off. No. 899,184; Sept. 22; Sp. p. 3842; Dr. p. 822; Gaz. vol. 136; p. 719.
- Niemann, J. P. (See Le Brocq, R. F., assignor.)
- Niemeier, F., Bromberg, Germany. Inlet box or gully for drain-pipes or the like. No. 894,339; July 28; Sp. p. 4109; Dr. p. 848; Gaz. vol. 135; p. 724.
- Niemeyer, W. H., Los Angeles, Cal. Portable cotton-picking machine. No. 887,958; May 19; Sp. p. 3296; Dr. pp. 692-3; Gaz. vol. 134; p. 593.
- Niemi, J., Floodwood, Minn. Shoe-polishing device. No. 908,314; Dec. 29; Sp. p. 6375; Gaz. vol. 137; p. 2149.
- Nienstadt, A. E., New York, N. Y., assignor of one-half to E. E. Bauman, Hoboken, N. J. Destroying insect eggs and larvæ. No. 879,406; Feb. 18; Sp. p. 3111; Gaz. vol. 132; p. 1417.
- Nientimp, G. C., assignor to Jewel Electric Sign Company, Erie, Pa. Electric sign. No. 889,145; May 26; Sp. p. 5686; Dr. pp. 1203-4; Gaz. vol. 134; p. 1010.
- Nies, F. J., East Orange, N. J. Shed-ventilator. No. 901,120; Oct. 13; Sp. p. 2199; Dr. p. 447; Gaz. vol. 136; p. 1441.
- Nies, H., assignor of one-half to J. H. Corrigan, Baltimore, Md. Graphophone sound-box. No. 899,464; Sept. 22; Sp. p. 4364; Dr. p. 936; Gaz. vol. 136; p. 808.
- Niessner, F., Johnstown, Pa. Clutch-centering mechanism. No. 901,729; Oct. 20; Sp. p. 3510; Dr. p. 710; Gaz. vol. 136; p. 1680.
- Nieters, J. J., St. Louis, Mo. Brick-press. No. 876,388; Jan. 14; Sp. p. 1400; Dr. pp. 302-3; Gaz. vol. 132; p. 262.
- Nightingale, G. (See Murphy, J. A., assignor.)
- Nightingale, H. C., Paterson, N. J. Device for preventing singles in doubling and spinning. No. 897,129; Aug. 25; Sp. p. 4752; Dr. p. 1012; Gaz. vol. 135; p. 1734.
- Nikolai, J. M., Madison, Minn. Feed-packing machine. No. 876,389; Jan. 14; Sp. p. 1404; Dr. p. 303; Gaz. vol. 132; p. 263.
- Nikoloff, S., Worcester, Mass. Grinding-machine. No. 898,673; Sept. 15; Sp. p. 2882; Dr. pp. 616-17; Gaz. vol. 136; p. 525.
- Nikolsky, W., St. Petersburg, Russia. Apparatus for distilling off and recovering the solvent used in the manufacture of explosives. No. 904,636; Nov. 24; Sp. p. 4316; Gaz. vol. 137; p. 735.
- Nikonow, J. P., Pittsburg, Pa. Dynamo-electric machine. No. 883,043; Mar. 24; Sp. p. 5067; Dr. pp. 1080-1; Gaz. vol. 133; p. 930.
- Nikonow, J. P., Pittsburg, Pa. Insulator. No. 889,956; June 9; Sp. p. 1513; Dr. p. 343; Gaz. vol. 134; p. 1328.
- Nikonow, J. P., East Pittsburg, Pa. Insulator. No. 896,934; Aug. 25; Sp. p. 4348; Dr. p. 932; Gaz. vol. 135; p. 1669.
- Niles-Bement-Pond Company. (See Greenleaf and Teas, assignors.)
- Niles-Bement-Pond Company. (See Hagman, W. J., assignor.)
- Niles-Bement-Pond Company. (See Hogrebe and Strobel, assignors.)
- Niles-Bement-Pond Company. (See Parker, F. W., assignor.)
- Niles-Bement-Pond Company. (See Reiss, G. T., assignor.)
- Niles-Bement-Pond Company. (See Sears, W. T., assignor.)
- Niles-Bement-Pond Company. (See Strobel and Hogrebe, assignors.)
- Niles-Bement-Pond Company. (See Wood, A., assignor.)
- Nilsen, E. A., Christiania, Norway, assignor of one-half to B. Crafton, Chicago, Ill. Torpedo-boat. No. 883,664; Mar. 31; Sp. p. 6357; Dr. p. 1354; Gaz. vol. 133; p. 1160.
- Nilsson, E. (See Sandström, K. O., assignor.)
- Nilsson, G. F., Pasadena, Cal. Averruncator. No. 877,220; Jan. 21; Sp. p. 3180; Dr. p. 689; Gaz. vol. 132; p. 583.
- "1900" Washer Co. (See Whitney, W. D., assignor.)
- "1900" Washer Company. (See Winans, T. J., assignor.)
- Nistle, G. W., North Muskegon, Mich., and R. L. Gifford, Chicago, Ill. Electrochemical concentration of liquids. No. 896,749; Aug. 25; Sp. p. 3930; Dr. p. 847; Gaz. vol. 135; p. 1605.
- Nitritfabrik Aktiengesellschaft. (See Kapff, S., assignor.)
- Niver, J. M., Chicago, Ill. Dust-pan. No. 898,774; Sept. 15; Sp. p. 3072; Dr. p. 658; Gaz. vol. 136; p. 558.
- Nix, J. D., assignor of one-third to L. M. Dalgron, Natchez, Miss. Smoke-consumer for boiler-furnaces. No. 884,945 Apr. 14; Sp. p. 2610; Dr. p. 551; Gaz. vol. 133; p. 1634.
- Nix, J. J. (See Frost and Nix.)
- Nix, J. J., and W. H. Frost, Los Angeles, Cal.; said Nix assignor to said Frost. Apparatus for producing gas. No. 900,010; Sept. 29; Sp. p. 5531; Dr. p. 1179; Gaz. vol. 136; p. 1023.
- Nix, J. L., Homer City, Pa. Heating apparatus for incubators. No. 877,586; Jan. 28; Sp. p. 3912; Dr. p. 846; Gaz. vol. 132; p. 722.
- Nix, J. L., Homer City, Pa. Incubator. No. 881,331; Mar. 10; Sp. p. 1673; Dr. p. 360; Gaz. vol. 133; p. 312.
- Nix, J. L., Homer City, Pa. Heating mechanism for incubators. No. 896,236; Aug. 18; Sp. p. 2882; Dr. p. 622; Gaz. vol. 135; p. 1419.
- Nix, J. L., Homer City, Pa. Egg-turner. No. 905,742; Dec. 1; Sp. p. 1247; Gaz. vol. 137; p. 1186.
- Nixon, C. E., and M. J. Raven, San Francisco, Cal. Condiment-holder. No. 903,399; Nov. 10; Sp. p. 1714; Gaz. vol. 137; p. 313.
- Nixon, G. R., assignor of one-half to H. C. Crafts, Pittsfield, Mass. Steam-heater. No. 888,451; May 19; Sp. p. 4251; Dr. p. 900; Gaz. vol. 134; p. 752.
- Noack, A. G. (See Noack, W. H. and A. G.)
- Noack, W. H. and A. G., Cleveland, Ohio. Butter-cutter. No. 890,169; June 9; Sp. p. 1953; Dr. p. 430; Gaz. vol. 134; p. 1401.
- Noad, A. C. (See Harrison and Noad.)
- Nobel's Explosives Company. (See Dickie, M. B., assignor.)

Alphabetical list of patentees—Continued.

- Noble, C. A., Catskill, N. Y. Attachment for stable-blankets. No. 892,875; July 7; Sp. p. 961; Dr. p. 202; Gaz. vol. 135; p. 162.
- Noble, D., and J. S. Finch, Bridgeport, Conn., assignors, by mesne assignments, to Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 882,266; Mar. 17; Sp. p. 3568; Dr. pp. 756-7; Gaz. vol. 133; p. 643.
- Noble, E. J., assignor to Leader Manufacturing Company, Hartford, Conn. Garment-hanger. No. 896,570; Aug. 18; Sp. p. 3565; Dr. p. 766; Gaz. vol. 135; p. 1526.
- Noble, F. D., Pittsburg, Pa. Wrench. No. 885,512; Apr. 21; Sp. p. 3765; Dr. p. 792; Gaz. vol. 133; p. 1851.
- Noble, F. H., Chicago, Ill. Pin and the like. No. 878,011; Feb. 4; Sp. p. 225; Dr. p. 49; Gaz. vol. 132; p. 887.
- Noble, G. R., Boston, Mass. Packing. No. 895,037; Aug. 4; Sp. p. 533; Dr. p. 108; Gaz. vol. 135; p. 982.
- Noble, G. W., Colbran, Colo. Cable-laying machine. No. 882,649; Mar. 24; Sp. p. 4291; Dr. p. 910; Gaz. vol. 133; p. 802.
- Noble, J. W. (See O'Dell, Noble, and Sandrock.)
- Noble, N. B., Ithaca, N. Y. Embroidery-frame. No. 904,716; Nov. 24; Sp. p. 4481; Gaz. vol. 137; p. 811.
- Noble, O. E., Hobart, Okla. Regulated automatic swinging check-valve with overflow attachment. No. 896,039; Aug. 11; Sp. p. 2525; Dr. p. 547; Gaz. vol. 135; p. 1333.
- Noble, P. W., New York, assignor to C. A. Singer, Larchmont, and H. U. Palmer, Brooklyn, N. Y. Bearing for supporting radiators in automobile-frames. No. 883,146; Mar. 24; Sp. p. 5279; Dr. p. 1126; Gaz. vol. 133; p. 964.
- Noble, R. E., assignor to Morgan-Gardner Electric Company, Chicago, Ill. Trolley-wheel spring. No. 880,395; Feb. 25; Sp. p. 5156; Dr. p. 1088; Gaz. vol. 132; p. 1773.
- Noble, R. E., and L. E. Mitchell, assignors to Morgan-Gardner Electric Company, Chicago, Ill. Crab or windlass. No. 907,635; Dec. 22; Sp. p. 4946; Gaz. vol. 137; p. 1892.
- Noble, W., Denver, Colo. Side or back comb holder. No. 893,092; July 14; Sp. p. 1418; Dr. p. 300; Gaz. vol. 135; p. 263.
- Noble, W. H. (See Smith, C., assignor.)
- Noblett, E. J., Chicago, Ill. Splice-coupling for cables. No. 898,595; Sept. 15; Sp. p. 2725; Dr. p. 583; Gaz. vol. 136; p. 500.
- Nodacker, K. F., Soldier, Kans. Veterinary operating-table. No. 906,817; Dec. 15; Sp. p. 3284; Gaz. vol. 137; p. 1589.
- Noe, R. D., Bozeman, Mont. Sash weight and pulley. No. 900,770; Oct. 13; Sp. p. 1494; Dr. p. 303; Gaz. vol. 136; p. 1329.
- Noe, W. R. (See Noe, W. R., Jr., assignor.)
- Noe, W. R., Jr., assignor to W. R. Noe, East Orange, N. J. Candle-shade support. No. 902,597; Nov. 3; Sp. p. 134; Gaz. vol. 137; p. 22.
- Noebe, F., *et al.*, executors. (See Rütgers, J.)
- Noeggerath, J. E., Schenectady, N. Y., assignor to General Electric Company. Protective device for unipolar machines. No. 890,697; June 16; Sp. p. 3044; Dr. p. 668; Gaz. vol. 134; p. 1605.
- Noeggerath, J. E., Schenectady, N. Y., assignor to General Electric Company. Acyclic machine. No. 895,887; Aug. 11; Sp. p. 2226; Dr. p. 475; Gaz. vol. 135; p. 1283.
- Noeggerath, J. E., Schenectady, N. Y., assignor to General Electric Company. Unipolar dynamo-electric machine. No. 895,888; Aug. 11; Sp. p. 2227; Dr. p. 475; Gaz. vol. 135; p. 1284.
- Noeggerath, J. E., Schenectady, N. Y., assignor to General Electric Company. Armature for unipolar machines. No. 900,771; Oct. 13; Sp. p. 1496; Dr. p. 303; Gaz. vol. 136; p. 1329.
- Noeggerath, J. E., Schenectady, N. Y., assignor to General Electric Company. Current-collecting apparatus for dynamo-electric machines. No. 904,801; Nov. 24; Sp. p. 4674; Gaz. vol. 137; p. 840.
- Noel, J. A., Washington, D. C. Combined indicator and alarm. No. 883,902; Apr. 7; Sp. p. 468; Dr. pp. 92-3; Gaz. vol. 133; p. 1267.
- Noera Manufacturing Company. (See Richard, G. J., assignor.)
- Noethe, J., Elkton, S. D. Lubricator. No. 899,892; Sept. 29; Sp. p. 5274; Dr. p. 1128; Gaz. vol. 136; p. 985.
- Noey, J. (See Dillon and Noey.)
- Nohl, G., Manchester, England, assignor to H. Schultz, Plauen, Germany. Dumb-bell for physical exercises. No. 881,438; Mar. 10; Sp. p. 1882; Dr. p. 409; Gaz. vol. 133; p. 345.
- Noisom, O. P., and C. J. Lindewald, South Bend, Ind.; said Lindewald assignor of one-half of his right to said Noisom. Electric time-switch. No. 907,088; Dec. 15; Sp. p. 3780; Gaz. vol. 137; p. 1673.
- Nokes, R. A., and W. W. Gordon, Washington, D. C. Striking-machine. No. 898,129; Sept. 8; Sp. p. 1832; Dr. p. 390; Gaz. vol. 136; p. 319.
- Nolan, F. J., assignor to Automatic Trolley Guard Company, Buffalo, N. Y. Safety-guard for trolley-wheels. No. 901,027; Oct. 13; Sp. p. 2027; Dr. p. 411; Gaz. vol. 136; p. 1414.
- Nolan, J. E., Chicago, Ill. Joining-table. No. 894,340; July 23; Sp. p. 4110; Dr. p. 848; Gaz. vol. 135; p. 724.
- Nolan, J. F., Chicago, Ill. Molding-machine. No. 900,117; Oct. 6; Sp. p. 92; Dr. p. 19; Gaz. vol. 136; p. 1088.
- Nolan, J. F., Chicago, Ill. Molding-machine. No. 905,350; Dec. 1; Sp. p. 440; Gaz. vol. 137; p. 1058.
- Nolan, M. S., Waltham, Mass. Hinge. No. 900,579; Oct. 6; Sp. p. 1086; Dr. p. 223; Gaz. vol. 136; p. 1240.
- Nolan, R. H., Kansas City, Mo. Mail-bag catcher and deliverer. No. 896,750; Aug. 25; Sp. p. 3932; Dr. pp. 847-8; Gaz. vol. 135; p. 1606.
- Nolan, T. J. (See Martin, S. F., assignor.)
- Nolen, J. D., Toledo, Ohio, assignor, by mesne assignments, to J. E. Shepherd, Chicago, Ill. Fire-alarm and signaling system. No. 883,226; Mar. 31; Sp. p. 5456; Dr. p. 1162; Gaz. vol. 133; p. 1021.
- Nolen, J. G., assignor of one-half to F. B. Cook, Chicago, Ill. Automatic electric supervisory and signaling system. No. 878,012; Feb. 4; Sp. p. 226; Dr. pp. 49-53; Gaz. vol. 132; p. 888.
- Nolen, J. G., assignor of one-half to F. B. Cook, Chicago, Ill. Police-call, fire-alarm, and watchman's box. No. 883,665; Mar. 31; Sp. p. 6358; Dr. pp. 1355-6; Gaz. vol. 133; p. 1160.
- Nolen, J. G., assignor to F. B. Cook, Chicago, Ill., and Automatic Fire Protection Company. Electric signaling system. No. 878,013; Feb. 4; Sp. p. 235; Dr. pp. 53-4; Gaz. vol. 132; p. 888.
- Nolen, J. G., and J. Shepherd; said Nolen assignor to J. E. Shepherd, Chicago, Ill. Vehicle-spring. No. 899,837; Sept. 29; Sp. p. 5156; Dr. p. 1104; Gaz. vol. 136; p. 967.
- Nolen, W. P., Gethsemane, Ark. Ventilating-boot. No. 906,061; Dec. 8; Sp. p. 1864; Gaz. vol. 137; p. 1319.
- Nolte, F., Easton, Minn. Grinding-mill. No. 907,275; Dec. 22; Sp. p. 4205; Gaz. vol. 137; p. 1773.
- Nolte, H. H., *et al.* (See Bicker and Schilling, assignors.)
- Nolte, I. C., Delphos, Ohio. Corn-shocker. No. 908,027; Dec. 29; Sp. p. 5775; Gaz. vol. 137; p. 2051.
- Nolte, L. H. (See Anderson and Nolte.)
- Non Acid Copper Extracting Company, (See McPherson, W. B., assignor.)
- Nonex Safety Tank Syndicate Limited. (See Cohn, J., assignor.)
- Noonen, W. H., Bakersfield, Cal. Valve-nut. No. 905,566; Dec. 1; Sp. p. 919; Gaz. vol. 137; p. 1130.
- Nopenz, F. A., Chicago, Ill. Cooling-box. No. 899,231; Sept. 22; Sp. p. 3930; Dr. p. 839; Gaz. vol. 136; p. 734.
- Noppel, E., Philadelphia, Pa. Overflow-stop for lift and force pumps. No. 905,567; Dec. 1; Sp. p. 920; Gaz. vol. 137; p. 1130.
- Norbom, H. E., Philadelphia, Pa. Shaft or journal box. No. 882,579; Mar. 24; Sp. p. 4150; Dr. p. 880; Gaz. vol. 133; p. 778.
- Norborg, P. A., *et al.* (See Anderson, N. M., assignor.)
- Norcross, B. F. (See Hardin and Norcross.)
- Norcross, I. W., New York, N. Y., assignor of one-half to E. A. Hawthorne, Philadelphia, Pa. Combined phonograph and picture-exhibiting machine. No. 900,875; Oct. 13; Sp. p. 1713; Dr. pp. 346-7; Gaz. vol. 136; p. 1363.
- Norcross, I. W., New York, N. Y., assignor of one-half to E. A. Hawthorne, Philadelphia, Pa. Automatic phonograph apparatus. No. 900,876; Oct. 13; Sp. p. 1718; Dr. p. 347; Gaz. vol. 136; p. 1363.
- Norcross, I. W., New York, N. Y., assignor of one-half to E. A. Hawthorne, Philadelphia, Pa. Sound-tube. No. 900,877; Oct. 13; Sp. p. 1721; Dr. p. 348; Gaz. vol. 136; p. 1363.
- Norcross, L. W., Fort Worth, Tex. Piano-case. No. 890,443; June 9; Sp. p. 2510; Dr. p. 555; Gaz. vol. 134; p. 1490.
- Norcross, L. W., Fort Worth, Tex. Music-rest for pianos. No. 890,444; June 9; Sp. p. 2511; Dr. p. 556; Gaz. vol. 134; p. 1490.
- Nordberg, B. V., Milwaukee, Wis. Variable-capacity compressor. No. 900,418; Oct. 6; Sp. p. 724; Dr. p. 151; Gaz. vol. 136; p. 1187.
- Norddeutsche Wollkammerei und Kammgarmspinnerei. (See Kröger, C., assignor.)
- Nordeen, A., assignor to Ray Piano Company, Newcastle, Ind. Pneumatic piano. No. 903,758; Nov. 10; Sp. p. 2442; Gaz. vol. 137; p. 427.
- Nordeen, A. P., Missouri Valley, Iowa. Protector for draft-timbers. No. 899,554; Sept. 29; Sp. p. 4569; Dr. p. 982; Gaz. vol. 136; p. 875.
- Norden, J. (See Norden, M., assignor.)
- Norden, M., assignor to Electric Carriage Call Company, New York, N. Y. Electric-light sign. No. 881,943; Mar. 17; Sp. p. 2922; Dr. p. 624; Gaz. vol. 133; p. 539.
- Norden, M., assignor to J. Norden, New York, N. Y. Electric-lamp socket. No. 884,102; Apr. 7; Sp. p. 877; Dr. p. 185; Gaz. vol. 133; p. 1333.
- Norden, S., assignor to F. A. Stevens, Providence, R. I. Machine for bending temples. No. 903,224; Nov. 10; Sp. p. 1385; Gaz. vol. 137; p. 256.
- Nordlander, C., Norway, Mich. Skee-stirrup. No. 891,363; June 23; Sp. p. 4420; Dr. p. 962; Gaz. vol. 134; p. 1856.
- Nordlund, A., Gassaway, W. Va. Current-motor. No. 908,315; Dec. 29; Sp. p. 6377; Gaz. vol. 137; p. 2149.
- Nordlund, W. J., Oakland, Cal. Vehicle-rim. No. 877,726; Jan. 28; Sp. p. 4167; Dr. p. 903; Gaz. vol. 132; p. 766.
- Nordman, J. (See Clark, E., assignor.)
- Nordström, J. M., Copenhagen, Denmark. Automatic brake. No. 907,169; Dec. 22; Sp. p. 3957; Gaz. vol. 137; p. 1735.
- Norgrove, G. B., Peabody, Mass. Roof-joint. No. 897,995; Sept. 8; Sp. p. 1563; Dr. p. 332; Gaz. vol. 136; p. 277.

Alphabetical list of patentees—Continued.

- Norgrave, G. B., assignor to Peabody Leather Machinery Company, Peabody, Mass. Glazing glass or stone. No. 887,507; May 12; Sp. p. 2411; Dr. p. 508; Gaz. vol. 134; p. 414.
- Norland, C., Los Angeles, Cal. Trolley-retriever. No. 905,351; Dec. 1; Sp. p. 443; Gaz. vol. 137; p. 1058.
- Norman, G. (See Driver and Norman.)
- Norman, J. R., assignor of one-half to M. E. Emmerson and J. F. Pogue, Byington, Tenn. Safety-elevator. No. 900,878; Oct. 13; Sp. p. 1724; Dr. p. 348; Gaz. vol. 136; p. 1364.
- Normand, J. E., Hoboken, N. J., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Quick-action automatic release mechanism for air-brakes. No. 902,161; Oct. 27; Sp. p. 4368; Dr. pp. 884-5; Gaz. vol. 136; p. 1848.
- Normand, J. E., Hoboken, N. J., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Quick-action automatic release mechanism for air-brakes. No. 902,162; Oct. 27; Sp. p. 4371; Dr. pp. 885-6; Gaz. vol. 136; p. 1848.
- Normand, J. E., Hoboken, N. J., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Valve mechanism for railway air-brake systems. No. 902,163; Oct. 27; Sp. p. 4377; Dr. pp. 886-7; Gaz. vol. 136; p. 1849.
- Normandin, E. F., Grand Rapids, Mich. Car-fender. No. 878,991; Feb. 11; Sp. p. 2272; Dr. p. 474; Gaz. vol. 132; p. 1241.
- Norpoth, J. St. Louis, Mo. Electric alarm. No. 880,691; Mar. 3; Sp. p. 393; Dr. p. 85; Gaz. vol. 133; p. 70.
- Norquist, E. E., Kansas City, Mo. Metal tank. No. 885,279; Apr. 21; Sp. p. 3320; Dr. p. 693; Gaz. vol. 133; p. 1778.
- Norquist, E. E., Kansas City, Mo. Stock and poultry drinking-fountain. No. 899,128; Sept. 22; Sp. p. 3717; Dr. p. 796; Gaz. vol. 136; p. 701.
- Norquist, E. E., Kansas City, Mo. Guard and cleaning attachment for stock-watering troughs. No. 899,129; Sept. 22; Sp. p. 3719; Dr. p. 797; Gaz. vol. 136; p. 701.
- Norquist, E. E., Kansas City, Mo. Stock-fountain. No. 901,730; Oct. 20; Sp. p. 3512; Dr. p. 710; Gaz. vol. 136; p. 1680.
- Norris, A. E., Cambridge, Mass. Hoisting apparatus. No. 905,213; Dec. 1; Sp. p. 183; Gaz. vol. 137; p. 1013.
- Norris, B. E., near Bells, Tenn. Nut or bolt lock. No. 894,691; July 28; Sp. p. 4815; Dr. p. 999; Gaz. vol. 135; p. 840.
- Norris, C. S., Troy, Ohio. Nut-lock. No. 894,041; July 21; Sp. p. 3480; Dr. p. 713; Gaz. vol. 135; p. 606.
- Norris, D. L., and W. B. Brown, Westminster, S. C. Hand-threading loom-shuttle. No. 889,327; June 2; Sp. p. 259; Dr. p. 64; Gaz. vol. 134; p. 1100.
- Norris, F. A., Curwensville, Pa. Envelop-sealing machine. No. 877,221; Jan. 21; Sp. p. 3181; Dr. pp. 689-90; Gaz. vol. 132; p. 584.
- Norris, F. C. (See Giles, W. F., assignor.)
- Norris, F. C., trustee. (See Neil, J. M., assignor.)
- Norris, G. E., Columbus, Ohio. Clothes-pounder. No. 881,707; Mar. 10; Sp. p. 2427; Dr. p. 522; Gaz. vol. 133; p. 432.
- Norris, H. M., Cincinnati, Ohio. Variable-speed driving mechanism. No. 897,861; Sept. 1; Sp. p. 1269; Dr. p. 271; Gaz. vol. 136; p. 200.
- Norris, H. M., assignor to Bickford Drill & Tool Company, Cincinnati, Ohio. Arm for radial drills. No. 883,118; Mar. 24; Sp. p. 5222; Dr. p. 1115; Gaz. vol. 133; p. 955.
- Norris, J. C., Denver, Colo. Lamp shade or reflector. No. 901,641; Oct. 20; Sp. p. 3290; Dr. p. 675; Gaz. vol. 136; p. 1649.
- Norris, J. E., assignor to Standard Wire Co., New Castle, Pa. Sectional tray. No. 886,324; Apr. 28; Sp. p. 5448; Dr. p. 1143; Gaz. vol. 133; p. 2148.
- Norris, J. H., South Whitley, Ind. Fence-post. No. 890,248; June 9; Sp. p. 2121; Dr. p. 466; Gaz. vol. 134; p. 1428.
- Norris, W., Toronto, Ontario, assignor of one-half to M. H. Williams, Oakville, Canada. Heater. No. 907,863; Dec. 29; Sp. p. 5425; Gaz. vol. 137; p. 1998.
- Norris, W. P., Sistersville, W. Va. Automatic cut-off. No. 882,956; Mar. 24; Sp. p. 4915; Dr. p. 1042; Gaz. vol. 133; p. 903.
- Norsk Hydro-Elektrisk Kvaestofaktieselskab. (See Geelmuyden, K., assignor.)
- Norstrom, N. E., Chicago, Ill., assignor of one-third to J. Anderson, Salina, Kansas, one-third to M. E. Richardson, Sterling, Kans., and one-third to J. H. Martin and H. Keating. Telephone-exchange. No. 877,727; Jan. 28; Sp. p. 4169; Dr. pp. 903-4; Gaz. vol. 132; p. 766.
- North American Chemical Company. (See Thoma, A., assignor.)
- North American Railway Construction Company. (See Sheehan, D. P., assignor.)
- North Bros. M'fg Co. (See Fegley, T. J., assignor.)
- North Bros. M'fg Co. (See Leopold, G. O., assignor.)
- North Brothers Manufacturing Company. (See Furbish, Z. T., assignor.)
- North, C. H., assignor to North Electric Company, Cleveland, Ohio. Electric bell. No. 902,105; Oct. 27; Sp. p. 4258; Dr. p. 863; Gaz. vol. 136; p. 1830.
- North, E. C., *et al.* (See Putney, A. N., assignor.)
- North, E. C., and W. L. Knapp, Palmyra, and C. H. Bierbaum, Buffalo, N. Y. Dumping wagon or car. No. 875,727; Jan. 7; Sp. p. 93; Dr. pp. 19-20; Gaz. vol. 132; p. 20.
- North Electric Company. (See North, C. H., assignor.)
- North Electric Company. (See Wick, D. B., assignor.)
- North, J. W., Allegheny, Pa. Nut-lock. No. 884,199; Apr. 7; Sp. p. 1107; Dr. p. 232; Gaz. vol. 133; p. 1365.
- North & Judd Manufacturing Company. (See Smith, C. E., assignor.)
- North & Judd Manufacturing Company. (See Smith, C. E., assignor.) (Reissue.)
- North, R. B., Soho, England. Electric signaling or telegraph apparatus for use on vehicles. No. 898,915; Sept. 15; Sp. p. 3325; Dr. pp. 712-13; Gaz. vol. 136; p. 604.
- North, S. N., Rising Sun, Ind. Shoe. No. 879,979; Feb. 25; Sp. p. 4325; Dr. p. 905; Gaz. vol. 132; p. 1637.
- Northam, N. J., Wrightsville, N. C. Scissors-sharpener. No. 895,580; Aug. 11; Sp. p. 1610; Dr. p. 339; Gaz. vol. 135; p. 1184.
- Northercraft, A. J., St. Louis, Mo. Amusement device. No. 884,340; Apr. 7; Sp. p. 1548; Dr. p. 288; Gaz. vol. 133; p. 1409.
- Northern Electrical Manufacturing Company. (See Duncan, F. B., assignor.)
- Northern Engineering Works. (See Reid, E. S., assignor.)
- Northern Manufacturing Company. (See King, C. B., assignor.)
- Northern Motor Car Company. (See King, C. B., assignor.)
- Northern Spike Company. (See Kohagen, F. W., assignor.)
- Northey, J. P., Toronto, Ontario, Canada. Sound-producing device. No. 879,190; Feb. 18; Sp. p. 2672; Dr. p. 558; Gaz. vol. 132; p. 1346.
- Northoff, H. N., Columbus, Ohio. Combined angle-bar nut-lock and base-plate for rail-joints. No. 889,856; June 2; Sp. p. 1294; Dr. p. 296; Gaz. vol. 134; p. 1271.
- Northrop, C. S., Denver, Colo. Envelop. No. 892,611; July 7; Sp. p. 409; Dr. p. 90; Gaz. vol. 135; p. 76.
- Northrop, J., assignor to Draper Company, Hopedale, Mass. Traverse-motion for yarn-spinning apparatus. No. 882,793; Mar. 24; Sp. p. 4562; Dr. p. 974; Gaz. vol. 133; p. 847.
- Northrop, J., assignor to W. F. Draper, Hopedale, Mass. Protection mechanism for looms. No. 908,418; Dec. 29; Sp. p. 6602; Gaz. vol. 137; p. 2185.
- Northrup, E. (See Northrup, I. O., E., and M.)
- Northrup, E. F., assignor to Leeds and Northrup Company, Philadelphia, Pa. Method of and means for utilizing the pressure in the interior of an electric conductor carrying current. No. 902,106; Oct. 27; Sp. p. 4261; Dr. p. 864; Gaz. vol. 136; p. 1830.
- Northrup, I. O. and E., Kingston, Ark., and M. Northrup, Leavenworth, Wash. Safety device for sight-glasses. No. 898,254; Sept. 8; Sp. p. 2070; Dr. p. 440; Gaz. vol. 136; p. 358.
- Northrup, M. (See Northrup, I. O., E., and M.)
- Northway Motor and Manufacturing Company. (See Northway, R. E., assignor.)
- Northway, R. E., assignor to Northway Motor and Manufacturing Company, Detroit, Mich. Transmission mechanism. No. 908,419; Dec. 29; Sp. p. 6607; Gaz. vol. 137; p. 2185.
- Northwestern Barb Wire Company. (See Dillon, W. M., assignor.)
- Norton, A. F., Los Angeles, Cal. Pot-cover. No. 908,121; Dec. 29; Sp. p. 5963; Gaz. vol. 137; p. 2082.
- Norton, B. H. (See Eddy, C. F. A., assignor.)
- Norton, D. W., Vincennes, Ind. Reinforced structure. No. 901,551; Oct. 20; Sp. p. 3117; Dr. p. 636; Gaz. vol. 136; p. 1621.
- Norton, E., Milwaukee, Wis. Supporting device. No. 886,241; Apr. 28; Sp. p. 5263; Dr. p. 1109; Gaz. vol. 133; p. 2118.
- Norton, E., New York, N. Y. Composite coated steel sheet. No. 896,751; Aug. 25; Sp. p. 3935; Dr. p. 848; Gaz. vol. 135; p. 1606.
- Norton, E., New York, N. Y. Shipping crate, box, or binder. No. 902,899; Nov. 3; Sp. p. 752; Gaz. vol. 137; p. 124.
- Norton, E., New York, N. Y. Crate or box for sheet-metal plates. No. 902,900; Nov. 3; Sp. p. 753; Gaz. vol. 137; p. 124.
- Norton, E., New York, N. Y. Crate or box for sheet-metal plates. No. 902,901; Nov. 3; Sp. p. 755; Gaz. vol. 137; p. 124.
- Norton, E., New York, N. Y. Crate or box for sheet-metal plates. No. 902,902; Nov. 3; Sp. p. 756; Gaz. vol. 137; p. 125.
- Norton, E., New York, N. Y. Charging-machine. No. 905,214; Dec. 1; Sp. p. 186; Gaz. vol. 137; p. 1014.
- Norton, E., Lake Placid, N. Y. Air-conveyer. No. 898,775; Sept. 15; Sp. p. 3073; Dr. p. 658; Gaz. vol. 136; p. 558.
- Norton, E. E., Bridgeport, Conn., assignor, by mesne assignments, to Cameraphone Company, New York, N. Y. Clutch. No. 903,493; Nov. 10; Sp. p. 1921; Gaz. vol. 137; p. 345.
- Norton, F. E., Youngstown, Ohio. Valve-gear for gas-engines. No. 884,677; Apr. 14; Sp. p. 2078; Dr. p. 444; Gaz. vol. 133; p. 1549.
- Norton, F. E., and I. H. Reynolds, Youngstown, Ohio. Regulator for compressors. No. 882,338; Mar. 17; Sp. p. 3701; Dr. p. 787; Gaz. vol. 133; p. 667.

Alphabetical list of patentees—Continued.

- Norton, F. O., Pilot Mound, Iowa. Riding attachment for walking-plows. No. 893,191; July 14; Sp. p. 1630; Dr. p. 344; Gaz. vol. 135; p. 295.
- Norton, J., Springfield, Mass. Shutter-worker. No. 884,103; Apr. 7; Sp. p. 879; Dr. p. 185; Gaz. vol. 133; p. 1333.
- Norton, J. H., Mullinville, Kans. Railway-tie. No. 888,729; May 20; Sp. p. 4819; Dr. p. 1028; Gaz. vol. 134; p. 875.
- Norton, J. S. (See Lindsey, W. S., assignor.)
- Norton, M., Cleveland, Ohio. Toe-weight. No. 882,837; Mar. 24; Sp. p. 4664; Dr. p. 992; Gaz. vol. 133; p. 863.
- Norton, R. G., Madison, Wis. Timepiece-regulator. No. 907,521; Dec. 22; Sp. p. 4682; Gaz. vol. 137; p. 1855.
- Norton, R. H., assignor to Acme Flexible Clasp Company, Chicago, Ill. Machine for making twisted-wire box-strapping. No. 881,611; Mar. 10; Sp. p. 2225; Dr. pp. 484-6; Gaz. vol. 133; p. 403.
- Norton, T. M. (See Mackenzie and Norton.)
- Norton, W. T., Alton, Ill. Cultivator. No. 907,864; Dec. 29; Sp. p. 5427; Gaz. vol. 137; p. 1998.
- Norwell-Shapleigh Hardware Company. (See Koban, R., assignor.)
- Norwall Manufacturing Company. (See Hoffman, G. D., assignor.)
- Norwall Manufacturing Company. (See Rowe, J. W., assignor.)
- Norwood, J. E., assignor to T. H. Symington Company, Baltimore, Md. Side bearing for cars. No. 905,743; Dec. 1; Sp. p. 1248; Gaz. vol. 137; p. 1186.
- Norwood, J. P., Chicago, Ill. Automatic railway-signal. No. 886,847; May 5; Sp. p. 1033; Dr. pp. 217-18; Gaz. vol. 134; p. 170.
- Norwood, L. M., Savannah, Ga. Envelop-fastener. No. 882,015; Mar. 17; Sp. p. 3082; Dr. p. 656; Gaz. vol. 133; p. 562.
- Noser, J. J., Noser Mill Co. Coop. No. 889,257; June 2; Sp. p. 121; Dr. p. 29; Gaz. vol. 134; p. 1079.
- Notstick, G., Chicago, Ill. Stove ash-sifter. No. 902,829; Nov. 3; Sp. p. 595; Gaz. vol. 137; p. 100.
- Notbohm, C., Caternberg, and H. Eigemann, Essen-on-the-Ruhr, Germany. Controlling device for hoisting apparatus. No. 899,794; Sept. 29; Sp. p. 5083; Dr. pp. 1087-8; Gaz. vol. 136; p. 954.
- Nothnagel, R. (See Heddacus and Nothnagel.)
- Nott, F. W., Bluefield, W. Va. Wrench. No. 893,093; July 14; Sp. p. 1420; Dr. p. 300; Gaz. vol. 135; p. 263.
- Nott Fire Engine Company. (See Penney, H. E., assignor.)
- Nourbourn, J. W. (See Latham, A., assignor.)
- Nourse, F. P., Lewiston, Idaho. Pipe. No. 879,791; Feb. 18; Sp. p. 3895; Dr. p. 817; Gaz. vol. 132; p. 1542.
- Novak, M. (See Escales and Novak.)
- Nove-Josserand, L. A., *et al.* (See Isnard, M. J. S. A., assignor.)
- Novelty Bell Co. (See Moore, W. R., assignor.)
- Novelty Electric Company. (See Gilling, P. E., assignor.)
- Novess, A. C., Rochester, N. Y. Photographer's light-regulator. No. 882,838; Mar. 24; Sp. p. 4665; Dr. p. 993; Gaz. vol. 133; p. 863.
- Novotny, F., Hoboken, N. J. Liquid-heater. No. 906,653; Dec. 15; Sp. p. 2958; Gaz. vol. 137; p. 1536.
- Nowalk, R. F., Mount Vernon, assignor to E. G. Soltmann, New York, N. Y. Composition of matter. No. 878,662; Feb. 11; Sp. p. 1651; Gaz. vol. 132; p. 1137.
- Noxon, J. W., Valley City, N. D. Draft-regulator and ventilator. No. 877,364; Jan. 21; Sp. p. 3446; Dr. p. 748; Gaz. vol. 132; p. 628.
- Noyes, C., Washington, D. C. Pad for bottle-caps. No. 899,429; Sept. 22; Sp. p. 4300; Dr. p. 922; Gaz. vol. 136; p. 797.
- Noyes, E. P., Winchester, assignor to C. F. Brown, trustee, Reading, Mass. Stored-pressure motor-starting device. No. 880,815; Mar. 3; Sp. p. 662; Dr. p. 140; Gaz. vol. 133; p. 114.
- Noyes, E. P., Winchester, assignor to C. F. Brown, trustee, Reading, Mass. Variable-standard boiler-feeder. No. 888,840; May 26; Sp. p. 5076; Dr. p. 1083; Gaz. vol. 134; p. 911.
- Noyes, E. P., Winchester, assignor to C. F. Brown, trustee, Reading, Mass. Fluid-pressure regulator. No. 889,185; May 26; Sp. p. 5781; Dr. p. 1225; Gaz. vol. 134; p. 1024.
- Noyes, E. P., Winchester, and S. A. Reeve, Worcester, assignors to C. F. Brown, trustee, Reading, Mass. High-pressure gas-producer. No. 893,192; July 14; Sp. p. 1631; Dr. pp. 344-5; Gaz. vol. 135; p. 295.
- Noyes, H. W., West Haven, Conn., assignor to H. G. Ingersoll, trustee. Pocket cork-extractor. No. 898,387; Sept. 8; Sp. p. 2304; Dr. p. 489; Gaz. vol. 136; p. 491.
- Noyes, L. W., Chicago, Ill. Machine for drawing lapweld-pipe. No. 875,728; Jan. 7; Sp. p. 98; Dr. pp. 20-1; Gaz. vol. 132; p. 21.
- Noyes, L. W., Chicago, Ill. Skeleton tower. No. 877,587; Jan. 28; Sp. p. 3913; Dr. pp. 846-7; Gaz. vol. 132; p. 722.
- Noyes, L. W., Chicago, Ill. Tower. No. 889,395; June 2; Sp. p. 414; Dr. pp. 97-8; Gaz. vol. 134; p. 1123.
- Noyes, L. W., Chicago, Ill. Tower. (Reissue.) No. 12,842; Aug. 11; Sp. p. 2588; Dr. p. 560; Gaz. vol. 135; p. 1344.
- Noyes, L. W., Chicago, Ill. Windmill-frame. No. 897,390; Sept. 1; Sp. p. 304; Dr. p. 63; Gaz. vol. 136; p. 47.
- Noyes, L. W., Chicago, Ill. Screw-machine. No. 905,352; Dec. 1; Sp. p. 447; Gaz. vol. 137; p. 1058.
- Noyes, L. W., and D. R. Scholes, said Scholes assignor to Aermotor Company, Chicago, Ill. Draw-bench. No. 897,922; Sept. 8; Sp. p. 1405; Dr. pp. 299-300; Gaz. vol. 136; p. 253.
- Noyes, M. E., Hyde Park, Mass., assignor to W. F. Pinkham, Wolfboro, N. H. Labeling-machine. No. 897,845; Sept. 1; Sp. p. 1227; Dr. pp. 262-4; Gaz. vol. 136; p. 195.
- Noyes, R. G., Patten, Me. Logging-sled. No. 881,708; Mar. 10; Sp. p. 2429; Dr. p. 523; Gaz. vol. 133; p. 432.
- Nuckols, V. B., Elkton, Ky. Molasses pitcher or holder. No. 897,007; Aug. 25; Sp. p. 4510; Dr. p. 964; Gaz. vol. 135; p. 1692.
- Nuernberger, P. G., and G. Rettig, Jr., assignors to Universal Automatic Typecasting Machine Company, Chicago, Ill. Type-casting mold. No. 884,754; Apr. 14; Sp. p. 2237; Dr. p. 472; Gaz. vol. 133; p. 1576.
- Nugent, W. M., Chicago, Ill. Gravity center oiler. No. 905,914; Dec. 8; Sp. p. 1587; Gaz. vol. 137; p. 1273.
- Nuhring, C., Cincinnati, Ohio. Flue-cleaner. No. 884,755; Apr. 14; Sp. p. 2238; Dr. p. 472; Gaz. vol. 133; p. 1576.
- Nuhring, C., Cincinnati, Ohio. Hose-rack. No. 899,465; Sept. 22; Sp. p. 4365; Dr. p. 937; Gaz. vol. 136; p. 808.
- Null, J., Evanston, Ill. Belt-tightener. No. 880,816; Mar. 3; Sp. p. 663; Dr. p. 140; Gaz. vol. 133; p. 114.
- Numan, I. W., assignor to Union Metal Post Company, Canton, Ohio. Column. No. 888,114; May 19; Sp. p. 3597; Dr. p. 753; Gaz. vol. 134; p. 643.
- Numan, I. W., assignor to Union Metal Post Company, Canton, Ohio. Corrugating-machine. No. 890,526; June 9; Sp. p. 2665; Dr. p. 588; Gaz. vol. 134; p. 1515.
- Nunamaker, J. W., assignor, by mesne assignments, to A. J. Borgmeier, Chicago, Ill. Voting-machine. No. 885,639; Apr. 21; Sp. p. 4033; Dr. p. 843-7; Gaz. vol. 133; p. 1890.
- Nunn, F. G. (See Rumery, J., assignor.)
- Nunnally, S. L., Winthrop, Ark. Draft and lap ring. No. 880,817; Mar. 3; Sp. p. 664; Dr. p. 140; Gaz. vol. 133; p. 115.
- Nurnberg, C., New York, N. Y. Clinical and other thermometer. No. 900,580; Oct. 6; Sp. p. 1087; Dr. p. 223; Gaz. vol. 136; p. 1240.
- Nusekabel, F., Cincinnati, Ohio. Stringed musical instrument. No. 890,527; June 9; Sp. p. 2669; Dr. pp. 588-9; Gaz. vol. 134; p. 1516.
- Nusy, A. J., Jr., Canton, Ohio. Toy. No. 903,879; Nov. 17; Sp. p. 2723; Gaz. vol. 137; p. 502.
- Nuss, W. J., Cologne-Lindenthal, Germany. Water-cistern with purifier. No. 883,903; Apr. 7; Sp. p. 475; Dr. p. 93; Gaz. vol. 133; p. 1267.
- Nussbaum, J. (See Ferchland and Nussbaum.)
- Nutry, J., Brooklyn, N. Y. Box. No. 894,456; July 28; Sp. p. 4337; Dr. p. 898; Gaz. vol. 135; p. 763.
- Nutt, C. R., Huntington Beach, Cal. Oscillating motor. No. 908,316; Dec. 29; Sp. p. 6379; Gaz. vol. 137; p. 2149.
- Nutt, R. L., *et al.* (See Kelley, E. J., assignor.)
- Nuttall, J., Bury, England. Apparatus for cutting rags, ropes, and the like. No. 880,236; Feb. 25; Sp. p. 4852; Dr. p. 1026; Gaz. vol. 132; p. 1723.
- Nuttall, J., Bury, England. Pulping-engine. No. 897,225; Aug. 25; Sp. p. 4951; Dr. p. 1051; Gaz. vol. 135; p. 1764.
- Nutter, A. J., Kansas City, Mo. Refrigerator-lining. No. 907,276; Dec. 22; Sp. p. 4205; Gaz. vol. 137; p. 1773.
- Nutter, E. H., Telluride, Colo. Screening apparatus. No. 890,527; June 9; Sp. p. 2669; Dr. pp. 588-9; Gaz. vol. 134; p. 1516.
- Nutting, G., assignor to New York Standard Watch Company, Jersey City, N. J. Watch-movement. No. 907,170; Dec. 22; Sp. p. 3959; Gaz. vol. 137; p. 1736.
- Nütz, G. W., Brooklyn, N. Y. Rotary engine. No. 892,295; June 30; Sp. p. 6297; Dr. pp. 1355-6; Gaz. vol. 134; p. 2195.
- Nütz, G. W., Chicago, Ill. Radiator. No. 892,761; July 7; Sp. p. 720; Dr. p. 152; Gaz. vol. 135; p. 124.
- Nütz, G. W., Chicago, Ill. Filter. No. 907,636; Dec. 22; Sp. p. 4948; Gaz. vol. 137; p. 1892.
- Nuver, J. C., Allentown, Pa., assignor to I. A. Hall & Company, Paterson, N. J. Shuttle. No. 906,455; Dec. 8; Sp. p. 2600; Gaz. vol. 137; p. 1447.
- Nuzum, N. E. (See Long, W. W., assignor.)
- Nya Akkumulator Aktiebolaget Jungner. (See Jungner, E. W., assignor.)
- Nya Aktiebolaget Atlas, Firm of. (See Wallin, G. S., assignor.)
- Nyborg, M. J. C., Minneapolis, Minn. Sewing-needle. No. 897,769; Sept. 1; Sp. p. 1077; Dr. p. 231; Gaz. vol. 136; p. 172.
- Nyborg, M. J. C., Minneapolis, Minn. Self-threading sewing-needle. No. 900,195; Oct. 6; Sp. p. 262; Dr. p. 52; Gaz. vol. 136; p. 1114.
- Nyce, A. W., Jr., Washington, D. C. Copy-holder. No. 895,596; Sept. 15; Sp. p. 2729; Dr. p. 583; Gaz. vol. 136; p. 500.
- Nye, B. M., Sacramento, Cal. Attachment for umbrellas. No. 906,456; Dec. 8; Sp. p. 2602; Gaz. vol. 137; p. 1448.

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- Nye, G. E., assignor to National Interlocking Steel Sheeting Company, Chicago, Ill. Interlocking sheet-piling. No. 877,588; Jan. 28; Sp. p. 3916; Dr. p. 847; Gaz. vol. 132; p. 723.
- Nye, G. E., assignor to National Interlocking Steel Sheeting Company, Chicago, Ill. Interlocking sheet-piling. No. 879,792; Feb. 15; Sp. p. 3896; Dr. p. 817; Gaz. vol. 132; p. 1542.
- Nye, J. R., Waterville, Me. Carpet and rug cleaning machine. No. 882,208; Mar. 17; Sp. p. 3444; Dr. pp. 732-3; Gaz. vol. 133; p. 623.
- Nygaard, P. A. C., Jersey City, and J. H. Warren, Newark, N. J. Smoke-consumer. No. 893,864; July 21; Sp. p. 3106; Dr. p. 636; Gaz. vol. 135; p. 547.
- Nygreen, T. W., Bellingham, Wash. Safe. No. 895,581; Aug. 11; Sp. p. 1611; Dr. p. 340; Gaz. vol. 135; p. 1184.
- Nyholm, J. C., Bremen, Germany. Hydraulic device for movable closing organs in waterways with falls. No. 899,700; Sept. 29; Sp. p. 4855; Dr. p. 1041; Gaz. vol. 136; p. 920.
- Nylander, C. G., and F. J. Regensburger, assignors to National Electric Time Switch Company, McKeesport, Pa. Electric time-switch. No. 885,513; Apr. 21; Sp. p. 3767; Dr. pp. 792-3; Gaz. vol. 133; p. 1851.
- Nylund, A., Duluth, Minn. Plane. No. 879,793; Feb. 18; Sp. p. 3898; Dr. p. 817; Gaz. vol. 132; p. 1543.
- Nystrom, A. J., Wheaton, Ill. Map-holder. No. 886,723; May 5; Sp. p. 794; Dr. p. 163; Gaz. vol. 134; p. 132.
- Nystrom, J. P. (See Carlson and Nystrom.)
- Nystrom, N. P., Koland, Minn. Trace-buckle. No. 894,975; Aug. 4; Sp. p. 404; Dr. p. 81; Gaz. vol. 135; p. 959.
- O. A. Miller Treeing Machine Company. (See Batchelder, C. A., assignor.)
- O. A. Miller Treeing Machine Company. (See Hansen, J. S., assignor.)
- O. K. Harry Steel Co. (See Harry, O. K., assignor.)
- O-K Paper Pail Company. (See Stonebarger, H. H., assignor.)
- O. K. Tool Holder Company. (See Robinson, P. H., assignor.)
- O. P. Schriver & Co. (See Schriver and Webster, assignors.)
- O'Brien, H. R., assignor of one-half to J. T. Vanness, Oxford, Ohio. Feed-water regulator. No. 898,255; Sept. 8; Sp. p. 2072; Dr. p. 440; Gaz. vol. 136; p. 358.
- O'Brien, A., assignor of one-half to F. P. McGinn, Chicago, Ill. Tire. No. 892,075; June 30; Sp. p. 5868; Dr. p. 1263; Gaz. vol. 134; p. 2121.
- O'Brien, D. F., Newark, N. J. Connecting branch sleeve. No. 875,729; Jan. 7; Sp. p. 100; Dr. p. 21; Gaz. vol. 132; p. 21.
- O'Brien, D. F., Newark, N. J. Hydrant. No. 905,915; Dec. 8; Sp. p. 1589; Gaz. vol. 137; p. 1274.
- O'Brien, D. P., Woburn, Mass. Machine for treating hides or skins. No. 904,079; Nov. 17; Sp. p. 3129; Gaz. vol. 137; p. 509.
- O'Brien, E. D., and M. E. O'Connell, Terre Haute, Ind. Automatic folding vehicle-door. No. 879,303; Feb. 18; Sp. p. 2896; Dr. p. 604; Gaz. vol. 132; p. 1384.
- O'Brien, G. E., Buffalo, N. Y. Wage-computing machine. No. 894,042; July 21; Sp. p. 3480; Dr. p. 713; Gaz. vol. 135; p. 606.
- O'Brien, J., assignor, by mesne assignments, of one-half to J. V. Farley, Brooklyn, N. Y. Power-hammer. No. 904,216; Nov. 17; Sp. p. 3437; Gaz. vol. 137; p. 618.
- O'Brien, J. B., Santa Anna, Tex. Planter attachment. No. 901,552; Oct. 20; Sp. p. 3118; Dr. p. 637; Gaz. vol. 136; p. 1621.
- O'Brien, J. D., Phoenixville, Pa. Thill-detacher. No. 898,130; Sept. 8; Sp. p. 1837; Dr. p. 391; Gaz. vol. 136; p. 319.
- O'Brien, J. H., Gardner, Mass. Fishing-tackle. No. 895,493; Aug. 11; Sp. p. 1445; Dr. p. 303; Gaz. vol. 135; p. 1156.
- O'Brien, J. J., St. Louis, Mo. Furnace-grate. No. 882,794; Mar. 24; Sp. p. 4571; Dr. pp. 974-5; Gaz. vol. 133; p. 848.
- O'Brien, M., Port Leyden, N. Y. Hame-strap. No. 877,728; Jan. 28; Sp. p. 4173; Dr. p. 904; Gaz. vol. 132; p. 767.
- O'Brien, M. W., assignor to American Hardware Manufacturing Company, Ottawa, Ill. Grip-clutch mechanism. No. 887,114; May 12; Sp. p. 1547; Dr. p. 327; Gaz. vol. 134; p. 284.
- O'Brien, T. F., Perth Amboy, N. J. Safety-regulator for braiding-machine bobbins. No. 897,648; Sept. 1; Sp. p. 821; Dr. p. 172; Gaz. vol. 136; p. 131.
- O'Brien, T. H., Fond du Lac, Wis. Ribbon-roll clasp or guard. No. 890,371; June 9; Sp. p. 2383; Dr. pp. 525-6; Gaz. vol. 134; p. 1466.
- O'Brien, W. C., assignor to Monitor Manufacturing Company of Baltimore City, Baltimore, Md. Motor-controlling device. No. 891,720; June 23; Sp. p. 5155; Dr. p. 1114; Gaz. vol. 134; p. 1973.
- O'Brien, W. C., assignor to Monitor Manufacturing Company of Baltimore City, Baltimore, Md. Starter for electric motors. No. 891,721; June 23; Sp. p. 5161; Dr. pp. 1114-15; Gaz. vol. 134; p. 1974.
- O'Brien, W. C., assignor to Monitor Manufacturing Company of Baltimore City, Baltimore, Md. Starter for electric motors. No. 891,722; June 23; Sp. p. 5163; Dr. p. 1115; Gaz. vol. 134; p. 1974.
- O'Brien, W. C., assignor to Monitor Manufacturing Company of Baltimore City, Baltimore, Md. Electric-motor starter. No. 900,035; Sept. 29; Sp. p. 5594; Dr. p. 1194; Gaz. vol. 136; p. 1032.
- O'Brien, W. M. (See Harrison and O'Brien.)
- O'Bryan, F. L., South Framingham, assignor of one-half to H. S. Marsh, Cambridge, Mass. Electric signaling system. No. 889,482; June 2; Sp. p. 596; Dr. pp. 139-40; Gaz. vol. 134; p. 1151.
- O'Connell, D. H. (See Murphy and Putnam, assignors.)
- O'Connell, J., assignor of four-ninths to M. Sale, St. Louis, Mo. Heel-burnishing machine. No. 905,093; Nov. 24; Sp. p. 5263; Gaz. vol. 137; p. 937.
- O'Connell, J., assignor of four-ninths to M. Sale, St. Louis, Mo. Shoe heel and toe beating-up machine. No. 905,094; Nov. 24; Sp. p. 5265; Gaz. vol. 137; p. 938.
- O'Connell, J. D., Utica, N. Y. Safety attachment for linemen's climbers. No. 888,254; May 19; Sp. p. 3847; Dr. p. 808; Gaz. vol. 134; p. 688.
- O'Connell, J. J., Lima, N. Y. Fastening device. No. 885,171; Apr. 21; Sp. p. 3101; Dr. p. 652; Gaz. vol. 133; p. 1741.
- O'Connell, M. E. (See O'Brien and O'Connell.)
- O'Connell, R. (See Harden and O'Connell.)
- O'Connor, A., Lombardy, Quebec, Canada. Stanchion. No. 903,225; Nov. 10; Sp. p. 1389; Gaz. vol. 137; p. 257.
- O'Connor, C. (See Murray, C., assignor.)
- O'Connor, D. J., Parry Sound, Ontario, Canada. Wire-stretcher. No. 900,665; Oct. 6; Sp. p. 1274; Dr. p. 260; Gaz. vol. 136; p. 1268.
- O'Connor, G. E., Stark, N. H., assignor to Sheffield Car Company, Three Rivers, Mich. Velocipede. No. 890,790; June 16; Sp. p. 3255; Dr. p. 712; Gaz. vol. 134; p. 1637.
- O'Connor, J., New York, N. Y. Tempo device for mechanical musical instruments. No. 876,080; Jan. 7; Sp. p. 775; Dr. p. 166; Gaz. vol. 132; p. 131.
- O'Connor, J., New York, N. Y. House-tank cleaner. No. 891,433; June 23; Sp. p. 4556; Dr. p. 991; Gaz. vol. 134; p. 1878.
- O'Connor, J., Clifton, Staten Island, N. Y. Water-gage. No. 878,992; Feb. 11; Sp. p. 2274; Dr. p. 475; Gaz. vol. 132; p. 1241.
- O'Connor, J., Clifton, Staten Island, N. Y. Water-gage. No. 903,122; Dec. 29; Sp. p. 5965; Gaz. vol. 137; p. 2082.
- O'Connor, J. F. (See Miner and O'Connor.)
- O'Connor, J. F., assignor to W. H. Miner, Chicago, Ill. Sap-collector. No. 887,012; May 5; Sp. p. 1338; Dr. p. 284; Gaz. vol. 134; p. 222.
- O'Connor, J. F., assignor to W. H. Miner Company, Chicago, Ill. Antifriction side bearing for railway-cars. No. 888,115; May 19; Sp. p. 3598; Dr. p. 754; Gaz. vol. 134; p. 643.
- O'Connor, J. F., assignor to W. H. Miner Company, Chicago, Ill. Draft-rigging for railway-cars. No. 902,903; Nov. 3; Sp. p. 758; Gaz. vol. 137; p. 125.
- O'Connor, J. J., St. Paul Minn. Electric theft-alarm system. No. 883,335; Mar. 31; Sp. p. 5664; Dr. pp. 1209-10; Gaz. vol. 133; p. 1055.
- O'Connor, J. P., Chicago, Ill. Lunar-caustic holder. No. 881,142; Mar. 10; Sp. p. 1304; Dr. p. 281; Gaz. vol. 133; p. 251.
- O'Connor, M. J., Denver, Colo. Apron-fastening device. No. 905,216; Dec. 1; Sp. p. 188; Gaz. vol. 137; p. 1015.
- O'Connor, S. F., New York, N. Y. Washing-machine. No. 884,946; Apr. 14; Sp. p. 2614; Dr. p. 551; Gaz. vol. 133; p. 1635.
- O'Connor, S. F., New York, N. Y. Washboard. No. 904,355; Nov. 17; Sp. p. 3738; Gaz. vol. 137; p. 665.
- O'Dell, C. F., and K. Haynes, Ceylon, Minn. Egg-tester. No. 881,197; Mar. 10; Sp. p. 1399; Dr. p. 302; Gaz. vol. 133; p. 268.
- O'Dell, L., J. W. Noble, and J. F. Sandrock, Tytersburg, Pa. Cuspidor. No. 878,993; Feb. 11; Sp. p. 2275; Dr. p. 475; Gaz. vol. 132; p. 1242.
- O'Donnell, F., assignor of one-half to S. A. Brown, Pawtucket, R. I. Stop-motion for looms. No. 886,150; Apr. 28; Sp. p. 5110; Dr. p. 1073; Gaz. vol. 133; p. 2088.
- O'Donnell, J. H., and H. McClafferty, Litzenberg, Pa. Coal-burner for cement-kilns. No. 898,131; Sept. 8; Sp. p. 1838; Dr. p. 331; Gaz. vol. 136; p. 320.
- O'Donnell, J. J., Paducah, Ky. Railway-tie and rail-fastening device. No. 888,030; May 19; Sp. p. 3431; Dr. p. 721; Gaz. vol. 134; p. 616.
- O'Donnell, J. J., Paducah, Ky. Rotary pump. No. 898,499; Sept. 15; Sp. p. 2537; Dr. p. 544; Gaz. vol. 136; p. 469.
- O'Donnell, J. P. (See Chavériat, V., assignor.)
- O'Donnell, J. W., assignor to Gimson & Company, (Leicester,) Limited, Leicester, England. Machine for dressing hides, skins, &c. No. 889,146; May 26; Sp. p. 5688; Dr. p. 1204; Gaz. vol. 134; p. 1010.
- O'Donnell, L., Scranton, Pa. Amusement device. No. 898,674; Sept. 15; Sp. p. 2883; Dr. p. 617; Gaz. vol. 136; p. 525.
- O'Donnell, M. J., Elizabeth, N. J. Gage for sewing-machines. No. 895,494; Aug. 11; Sp. p. 1446; Dr. p. 303; Gaz. vol. 135; p. 1157.
- O'Donnell, W. J., Gloversville, N. Y. Fabric-pasting machine. No. 894,976; Aug. 4; Sp. p. 405; Dr. pp. 81-2; Gaz. vol. 135; p. 969.
- O'Guin, G. G. (See Rushton, J. T. W., assignor.)
- O'Hara, J. and W. J., Auckland, New Zealand. Adjustable fastening device for beams. No. 880,238; Feb. 25; Sp. p. 4855; Dr. p. 1077; Gaz. vol. 132; p. 1723.

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- O'Hara, W. J. (See O'Hara, J. and W. J.)
 O'Haver, L. R. (See Wiest, J. H., assignor.)
 O'Hearne, J. E., Norwalk, Ohio. Trimmer. No. 888,645; May 26; Sp. p. 4652; Dr. p. 987; Gaz. vol. 134; p. 849.
 O'Kane, K., Philadelphia, Pa. Duplicating-machine. No. 901,121; Oct. 13; Sp. p. 2201; Dr. p. 447; Gaz. vol. 136; p. 1442.
 O'Keefe, D., Cincinnati, Ohio, assignor, by mesne assignments, to American Acetylene Company, Augusta, Me. Flashback-stop. No. 879,577; Feb. 18; Sp. p. 3470; Dr. p. 728; Gaz. vol. 132; p. 1473.
 O'Kelly, J. M., New York, N. Y. Dumping-car. No. 895,783; Aug. 11; Sp. p. 2027; Dr. p. 430; Gaz. vol. 135; p. 1250.
 O'Leary, D. (See O'Leary, E. P., assignor.)
 O'Leary, D. J., Green Bay, Wis. Drill-chuck. No. 881,709; Mar. 10; Sp. p. 2430; Dr. p. 523; Gaz. vol. 133; p. 432.
 O'Leary, E. P., assignor of one-half to D. O'Leary, Los Angeles, Cal. Necktie and holder. No. 903,400; Nov. 10; Sp. p. 1716; Gaz. vol. 137; p. 814.
 O'Leary, G. T. (See Bartlett, A. J., assignor.)
 O'Leary, J., assignor of one-half to E. Penrose, Cohoes, N. Y. Fender and brake attachment for automobiles. No. 884,201; Apr. 7; Sp. p. 1109; Dr. p. 232; Gaz. vol. 133; p. 1365.
 O'Leary, T., Gunnison, Colo. Trout fly, hook, and leader box. No. 899,466; Sept. 22; Sp. p. 4367; Dr. p. 937; Gaz. vol. 136; p. 808.
 O'Leary, W., Chicago, Ill. Holder for labels or the like. No. 897,996; Sept. 8; Sp. p. 1566; Dr. p. 333; Gaz. vol. 136; p. 278.
 O'Malley, A. P. (See Popky, S., assignor.)
 O'Meara, J. J., et al. (See Fleckenstein, L. J., assignor.)
 O'Neal, O., Fremont, Mich. Rail-joint. No. 895,294; Aug. 4; Sp. p. 1064; Dr. p. 223; Gaz. vol. 135; p. 1068.
 O'Neal, W. F., Wenatchee, assignor of one-half to R. T. Warner, Everett, Wash. Nut-lock. No. 900,196; Oct. 6; Sp. p. 263; Dr. p. 53; Gaz. vol. 136; p. 1115.
 O'Neil, J. E., and E. Jenkins, Tillamook, Oreg. Tone-modulator for graphophones. No. 905,220; Dec. 1; Sp. p. 201; Gaz. vol. 137; p. 1016.
 O'Neil, M. J. (See Grant, W. M., assignor.)
 O'Neil, P. S., Colo, Iowa. Bridle-bit. No. 889,396; June 2; Sp. p. 415; Dr. p. 978; Gaz. vol. 134; p. 1123.
 O'Neill, C., assignor of one-half to F. Santware, Chicago, Ill. Wrench. No. 904,008; Nov. 17; Sp. p. 2988; Gaz. vol. 13; p. 545.
 O'Neill, C. P., Hartford, Conn. Precision-tool. No. 904,007; Nov. 17; Sp. p. 2986; Gaz. vol. 137; p. 545.
 O'Neill, D., Lucinda, Pa. Calk-grinder. No. 876,224; Jan. 7; Sp. p. 1051; Dr. p. 227; Gaz. vol. 132; p. 177.
 O'Neill, E. C., Montclair, N. J. Bracket for mirrors. No. 892,612; July 7; Sp. p. 410; Dr. p. 91; Gaz. vol. 135; p. 76.
 O'Neill, E. I. (See Paxton and O'Neill.)
 O'Neill, F., Jr., Paris, Ky. Hemp-brake. No. 889,258; June 2; Sp. p. 122; Dr. pp. 29-31; Gaz. vol. 134; p. 1079.
 O'Neill, J., New York, N. Y. Boiler-furnace. No. 906,269; Dec. 8; Sp. p. 2264; Gaz. vol. 137; p. 1389.
 O'Neill L. R., Des Moines, Iowa, assignor, by mesne assignments, to Empire Cream Separator Co., Bloomfield, N. J. Explosive-engine. No. 894,225; July 28; Sp. p. 3864; Dr. p. 800; Gaz. vol. 135; p. 686.
 O'Neill, M. (See Killam and O'Neill.)
 O'Neill, M., New London, Conn. Storage and distribution of liquors. No. 893,358; July 14; Sp. p. 1948; Dr. p. 409; Gaz. vol. 135; p. 350.
 O'Neill, R., Jr., Newark, N. J. Buckle. No. 895,391; Aug. 4; Sp. p. 1222; Dr. p. 258; Gaz. vol. 135; p. 1099.
 O'Neill, R. H., Chicago, Ill. Machine for cutting bones and other materials. No. 904,274; Nov. 17; Sp. p. 3560; Gaz. vol. 137; p. 637.
 O'Reardon, T., Detroit, Mich. Car-fender. No. 875,731; Jan. 7; Sp. p. 104; Dr. p. 22; Gaz. vol. 132; p. 22.
 O'Reilly, H. M., Corning, N. Y. Mailing device. No. 892,879; July 7; Sp. p. 985; Dr. pp. 205-6; Gaz. vol. 135; p. 164.
 O'Rourke, D. J., assignor to Sullivan Machinery Company, Claremont, N. H. Tappet valve-motion for direct-acting engines. No. 892,297; June 30; Sp. p. 6301; Dr. p. 1357; Gaz. vol. 134; p. 2196.
 O'Rourke, W. F., assignor to Payson Manufacturing Company, Chicago, Ill. Swivel or attachment for transom-lifters, &c. No. 895,583; Aug. 11; Sp. p. 1616; Dr. p. 340; Gaz. vol. 135; p. 1185.
 O'Shaughnessy, J. F., New York, N. Y. Cotton-gathering machine. No. 889,957; June 9; Sp. p. 1515; Dr. p. 342; Gaz. vol. 134; p. 1329.
 O'Shaughnessy, J. F., New York, N. Y. Apparatus for gathering cotton. No. 889,959; June 9; Sp. p. 1521; Dr. p. 343; Gaz. vol. 134; p. 1330.
 O'Shaughnessy, J. F., New York, N. Y., assignor to N. O'Shaughnessy, Vienna, Austria-Hungary. Machine for gathering cotton. No. 889,958; June 9; Sp. p. 1518; Dr. pp. 342-3; Gaz. vol. 134; p. 1329.
 O'Shaughnessy, L. J., Halifax, Nova Scotia, Canada. Life-preserver. No. 887,115; May 12; Sp. p. 1549; Dr. p. 327; Gaz. vol. 134; p. 284.
 O'Shaughnessy, N. (See O'Shaughnessy, J. F., assignor.)
 O'Shaughnessy, N., Berlin, Germany. Device for use in playing golf or similar games. No. 889,397; June 2; Sp. p. 416; Dr. p. 98; Gaz. vol. 134; p. 1124.
 O'Sullivan, D. T., West Orange, N. J. Inking-pad. No. 878,420; Feb. 4; Sp. p. 1057; Dr. p. 214; Gaz. vol. 132; p. 1022.
 O'Sullivan, E., San Francisco, Cal. Emergency-cistern for fire-engines. No. 901,733; Oct. 20; Sp. p. 3516; Dr. pp. 711-12; Gaz. vol. 136; p. 1631.
 O'Sullivan, H., Haverhill, Mass. Rubber. No. 879,306; Feb. 18; Sp. p. 2901; Dr. p. 605; Gaz. vol. 132; p. 1385.
 O'Sullivan, W., assignor to Manhattan Briar Pipe Company, New York, N. Y. Means for displaying articles of merchandise. No. 878,307; Feb. 4; Sp. p. 850; Dr. p. 169; Gaz. vol. 132; p. 985.
 O'Sullivan, W., assignor to Manhattan Briar Pipe Company, New York, N. Y. Pipe-cleaner. No. 880,749; Mar. 3; Sp. p. 529; Dr. p. 110; Gaz. vol. 133; p. 92.
 O'Sullivan, W. J., and W. D. Watson, Louisville, Ky. Weather-strip. No. 895,674; Aug. 11; Sp. p. 1795; Dr. p. 382; Gaz. vol. 135; p. 1215.
 O'Toole, J. J., Alliance, Ohio. Pipe. No. 878,014; Feb. 4; Sp. p. 240; Dr. p. 55; Gaz. vol. 132; p. 889.
 Oakes, F. J., assignor to Link-Belt Company, Chicago, Ill. Sprocket-wheel. No. 905,744; Dec. 1; Sp. p. 1249; Gaz. vol. 137; p. 1187.
 Oakes, S. J., Boston, Mass. Brake. No. 904,983; Nov. 24; Sp. p. 5051; Gaz. vol. 137; p. 900.
 Oakland Stamp Mill Co. (See Matthews, F. I., assignor.)
 Oakley, D. S., Parkersburg, W. Va. Clutch. No. 885,075; Apr. 21; Sp. p. 2870; Dr. p. 609; Gaz. vol. 133; p. 1709.
 Oakley, D. S., Parkersburg, W. Va. Abrasive finishing-machine. No. 894,851; Aug. 4; Sp. p. 97; Dr. p. 20; Gaz. vol. 135; p. 916.
 Oakley, W. E., Millbury, assignor to Worcester Steel Foundry Company, Worcester, Mass. Rail-bond for electric railways. No. 895,582; Aug. 11; Sp. p. 1614; Dr. p. 340; Gaz. vol. 135; p. 1185.
 Oakley, W. F., New York, N. Y. Clip. No. 883,119; Mar. 24; Sp. p. 5223; Dr. p. 1115; Gaz. vol. 133; p. 955.
 Oakman, R. N., Brooklyn, N. Y. Distance-lighting gas-burner device. No. 879,890; Feb. 25; Sp. p. 4134; Dr. p. 866; Gaz. vol. 132; p. 1607.
 Oakman, R. N., Brooklyn, N. Y. Distance-lighting gas-burner valve. No. 896,237; Aug. 18; Sp. p. 2883; Dr. p. 623; Gaz. vol. 135; p. 1419.
 Oatley, H. B., Schenectady, assignor to American Locomotive Company, New York, N. Y. Superheater. No. 902,440; Oct. 27; Sp. p. 4968; Dr. pp. 1003-4; Gaz. vol. 136; p. 1939.
 Obarr, O. W. (See Long, Knight, and Judd, assignors.)
 Obenauer, F. P., Detroit, Mich. Water-heater. No. 880,237; Feb. 25; Sp. p. 4854; Dr. p. 1027; Gaz. vol. 132; p. 1723.
 Oberbayerische Kokswerke und Fabrik Chemische Produkte Akt.-Gesellschaft. (See Ziegler, M., assignor.)
 Oberdoerster, A. (See Oberdoerster, F. J. and A.)
 Oberdoerster, F. J. and A., Akron, Ohio. Fountain-pen. No. 884,412; Apr. 14; Sp. p. 1499; Dr. p. 322; Gaz. vol. 133; p. 1463.
 Oberg, C. J., Salt Lake City, Utah. Smokeless furnace. No. 885,779; Apr. 28; Sp. p. 4341; Dr. pp. 910-11; Gaz. vol. 133; p. 1965.
 Oberg, G. A., Oakland, Cal. Carrier for pencils. No. 888,842; May 26; Sp. p. 5080; Dr. p. 1083; Gaz. vol. 134; p. 911.
 Oberg, P. J., Chicago, Ill. Folding cot. No. 904,006; Nov. 17; Sp. p. 2985; Gaz. vol. 137; p. 545.
 Oberhänsli, F., Kesswil, Switzerland. Vaporizer for internal-combustion motors. No. 892,236; June 30; Sp. p. 6299; Dr. pp. 1356-7; Gaz. vol. 134; p. 2195.
 Oberlies, A. W., assignor to R. Raynor, Philadelphia, Pa. Antifreezing flush-tank. No. 901,731; Oct. 20; Sp. p. 3514; Dr. p. 710; Gaz. vol. 136; p. 1680.
 Oberly, H. H., Wilmington, Del. Brick truck or wagon. No. 891,364; June 23; Sp. p. 4421; Dr. pp. 962-3; Gaz. vol. 134; p. 1856.
 Obernesser, W. C., assignor to Princess Manufacturing Company, Newport, Ky. Hydraulic motor. No. 884,200; Apr. 7; Sp. p. 1108; Dr. p. 232; Gaz. vol. 133; p. 1365.
 Obertritter, E. D., Fredonia, N. Y. Display-case. No. 886,066; Apr. 28; Sp. p. 4947; Dr. p. 1040; Gaz. vol. 133; p. 2062.
 Obici, A., Wilkes-Barre, Pa. Making moisture-proof containers. No. 892,074; June 30; Sp. p. 5867; Dr. p. 1263; Gaz. vol. 134; p. 2121.
 Obichain, C. L., Whitesville, Ky. Post-anchor. No. 905,215; Dec. 1; Sp. p. 188; Gaz. vol. 137; p. 1014.
 Oblinger, B. C., assignor of one-half to A. H. C. Beatty, Independence, Mo. Heat-reflector. No. 876,909; Jan. 14; Sp. p. 2477; Dr. p. 541; Gaz. vol. 132; p. 437.
 Oblinger, H. A., South Haven, Mich. Track-brace. No. 906,267; Dec. 8; Sp. p. 2261; Gaz. vol. 137; p. 1388.
 Obrebowicz, C., Warsaw, Russia. Hot-water heating plant for buildings. No. 904,215; Nov. 17; Sp. p. 3435; Gaz. vol. 137; p. 618.
 Oca, A. M. de, Mexico, Mexico. Locking device. No. 884,290; Apr. 7; Sp. p. 1260; Dr. p. 264; Gaz. vol. 133; p. 1393.
 Ocain, G. E., Oak Park, assignor of one-half to P. W. Clark, Chicago, Ill. Combined hydraulic motor and air-compressor. No. 896,571; Aug. 18; Sp. p. 3567; Dr. p. 767; Gaz. vol. 135; p. 1527.
 Očenásek, L., Prague, Austria-Hungary. Arc-lamp. No. 896,935; Aug. 25; Sp. p. 4350; Dr. p. 932; Gaz. vol. 135; p. 1669.

Alphabetical list of patentees—Continued.

- Ochard, J. F. (See Churchman and Ochard.)
 Ocumpaugh, C. H. (See Reams, J. A., assignor.) (Reissue.)
 Ocumpaugh, C. H., Rochester, N. Y. Sash-balance. No. 891,723; June 23; Sp. p. 5166; Dr. p. 1115; Gaz. vol. 134; p. 1975.
 Oddie, P. F., Wimbledon, England. Valve-gear of simplex pumps. No. 906,457; Dec. 8; Sp. p. 2603; Gaz. vol. 137; p. 1448.
 Oddur Manufacturing Company. (See Sigurdsson, O. V., assignor.)
 Odell, L. E., New Rochelle, assignor to W. A. Moore, New York, N. Y. Liquid coating composition. No. 893,010; July 14; Sp. p. 1275; Gaz. vol. 135; p. 237.
 Odell, R., assignor to himself, R. W. Poelma, and M. Dahl, Chicago, Ill. Carbureter for hydrocarbon-engines. No. 888,190; May 19; Sp. p. 3727; Dr. p. 781; Gaz. vol. 134; p. 666.
 Odenbach, F. L., assignor of one-half to J. C. Poore, Cleveland, Ohio. Railway signal and telephone system. No. 885,367; Apr. 21; Sp. p. 3509; Dr. p. 733; Gaz. vol. 133; p. 1807.
 Odenbrett, G. L., Milwaukee, Wis. Engine-starter. No. 892,544; July 7; Sp. p. 293; Dr. p. 64; Gaz. vol. 135; p. 55.
 Odenkirk, H. C., Cleveland, Ohio. Switch-stand and signaling device therefor. No. 876,830; Jan. 14; Sp. p. 2315; Dr. p. 509; Gaz. vol. 132; p. 409.
 Odenwalder, J. G., *et al.* (See Worthen, A. J., assignor.)
 Odhner, V., St. Petersburg, Russia. Calculating-machine. No. 885,514; Apr. 21; Sp. p. 3769; Dr. p. 793; Gaz. vol. 133; p. 1852.
 Odor, G. C., Lima, Ohio. Bill-file. No. 886,724; May 5; Sp. p. 795; Dr. p. 163; Gaz. vol. 134; p. 133.
 Odquist, V. (See Lyche and Odquist.)
 Odquist, V., assignor, by mesne assignments, to Torris Wold & Company, Chicago, Ill. Can-making machine. No. 900,118; Oct. 6; Sp. p. 94; Dr. pp. 19-21; Gaz. vol. 136; p. 1089.
 Odquist, V., and H. H. Lyche, said Odquist assignor to Torris Wold & Company, Chicago, Ill. Can-body-flanging machine. No. 900,119; Oct. 6; Sp. p. 102; Dr. pp. 21-2; Gaz. vol. 136; p. 1089.
 Oechelhaeuser, W. von, Dessau, and C. Steinbecker, Langfuhr, near Danzig, Germany. Pump. No. 884,291; Apr. 7; Sp. p. 1261; Dr. p. 265; Gaz. vol. 133; p. 1393.
 Oertel, A., Godesberg, assignor to Deichmann & Cie., Cologne, Germany. Malting. No. 896,752; Aug. 25; Sp. p. 3936; Dr. p. 848; Gaz. vol. 135; p. 1606.
 Oertel, C. W., New York, N. Y. Match-box. No. 894,692; July 28; Sp. p. 4818; Dr. p. 1000; Gaz. vol. 135; p. 840.
 Oertzen, G. A., Dusseldorf-Obercassel, Germany. Molding-machine. No. 906,268; Dec. 8; Sp. p. 2262; Gaz. vol. 137; p. 1388.
 Ofeldt, E. G., Nyack, N. Y. Automatic fuel-feed. No. 904,984; Nov. 24; Sp. p. 5053; Gaz. vol. 137; p. 901.
 Offenhauser, C. (See Hottman, C. W., assignor.)
 Offer, W. C. (See De Bogory, P. P., assignor.)
 Offtendering, H. T., assignor, by mesne assignments, to Ofte Radiator Company, Washington, D. C. Portable hot-fluid heating apparatus. No. 886,305; Apr. 28; Sp. p. 5398; Dr. p. 1133; Gaz. vol. 133; p. 2141.
 Ofutt, M. W., Philadelphia, Pa. Appliance for gas-mains. No. 891,854; June 30; Sp. p. 5446; Dr. p. 1178; Gaz. vol. 134; p. 2050.
 Ofstad, H. O., Superior, Wis. Cable-grip for tram-cars. No. 905,217; Dec. 1; Sp. p. 190; Gaz. vol. 137; p. 1015.
 Ofte Radiator Company. (See Offtendering, H. T., assignor.)
 Ogan, H., McArthur, Ohio. Rein-holder. No. 904,217; Nov. 17; Sp. p. 3438; Gaz. vol. 137; p. 618.
 Ogden, F. D., Bayonne, N. J. Combined cable-support and wire-clip. No. 888,349; May 19; Sp. p. 4031; Dr. p. 850; Gaz. vol. 134; p. 718.
 Ogden Iron & Steel Manufacturing Company. (See Kennedy, J., assignor.)
 Ogden, L. H. (See Martin and Ogden.)
 Ogden, M. F. (See Anderson and Ogden.)
 Ogden, M. W. (See Toothman, O. S., assignor.)
 Ogden, W. B., Enid, Okla. Evaporating-pan. No. 395,669; Aug. 11; Sp. p. 1785; Dr. p. 379; Gaz. vol. 135; p. 1213.
 Ogle, J. B., Lancaster, and W. E. Barrie, Carroll, N. H. Non-refillable bottle. No. 885,640; Apr. 21; Sp. p. 4055; Dr. p. 847; Gaz. vol. 133; p. 1890.
 Ogle, R., Pueblo, Colo. Turn-table derailler. No. 884,947; Apr. 14; Sp. p. 2615; Dr. pp. 551-2; Gaz. vol. 133; p. 1635.
 Oglesby, C. B. (See Davis, J. N., assignor.)
 Oglesby, C. B. (See Kinnard, W. M., assignor.)
 Ohanian, J., Boston, Mass. Machine for grinding points. No. 902,598; Nov. 3; Sp. p. 134; Gaz. vol. 137; p. 23.
 Ohashi, H., New York, N. Y. Type-writer backing-sheet. No. 898,916; Sept. 15; Sp. p. 3327; Dr. p. 713; Gaz. vol. 136; p. 604.
 Ohio Blower Company. (See Hard and Coney, assignors.)
 Ohio Brass Company. (See Mead and Sturdevant, assignors.)
 Ohio Cultivator Co. (See Tuttle, J. S., assignor.)
 Ohio Cultivator Company. (See Tuttle, J. S., assignor.)
 Ohio Cultivator Company. (See Wygant, L. B., assignor.)
 Ohio Laundry Machinery Co. (See Brockardt, P. L., assignor.)
 • Ohio Malleable Iron Company. (See Jeffrey, H., assignor.) (Reissue.)
 Ohio Manufacturing Company. (See Kouns, M. W., assignor.)
 Ohio Match Company. (See Young and Weaver, assignors.)
 Ohio Pump & Brass Company. (See Wilkins, C. L., assignor.)
 Ohio Rake Company. (See Lathrop, F. K., assignor.)
 Ohio Varnish Company. (See Clapp, F. M., assignor.)
 Ohlen, H. F. von, New York, N. Y., assignor to Crouch & Fitzgerald. Wardrobe-trunk. No. 906,153; Dec. 8; Sp. p. 2042; Gaz. vol. 137; p. 1350.
 Ohlin, R. F. (See Swanson, N. E., assignor.)
 Ohloff, R. A. (See Dobson, G., assignor.)
 Ohloff, R. A., *et al.* (See Gray, H. M., assignor.)
 Ohlson, O., Newton, assignor to Waltham Watch Company, Waltham, Mass. Regulator for timepieces. No. 894,457; July 28; Sp. p. 4358; Dr. p. 898; Gaz. vol. 135; p. 763.
 Ohlsson, O., Södertelje, Sweden, assignor, by mesne assignments, to Empire Cream Separator Company, Bloomfield, N. J. Liner for centrifugal separators. No. 882,119; Mar. 17; Sp. p. 3271; Dr. p. 696; Gaz. vol. 133; p. 595.
 Ohmer Fare Register Co. (See Ohmer and Bridenbaugh, assignors.)
 Ohmer Fare Register Co. (See Ohmer and Heaton, assignors.)
 Ohmer Fare Register Co. (See Ohmer and Nelson, assignors.)
 Ohmer Fare Register Co. (See Ohmer, Bridenbaugh, and Nelson, assignors.)
 Ohmer Fare Register Company. (See Ohmer, J. F., assignor.)
 Ohmer Fare Register Company. (See Ohmer and Colby, assignors.)
 Ohmer Fare Register Company. (See Ohmer and Ketteman, assignors.)
 Ohmer Fare Register Company. (See Ohmer and Seebers, assignors.)
 Ohmer, J. F., Dayton, Ohio, assignor to Ohmer Fare Register Company, Rochester, N. Y. Actuating mechanism for fare-registers. No. 885,280; Apr. 21; Sp. p. 3321; Dr. pp. 693-4; Gaz. vol. 133; p. 1778.
 Ohmer, J. F., Dayton, Ohio, assignor to Ohmer Fare Register Company, Rochester, N. Y. Ticket issuing and recording machine. No. 890,170; June 9; Sp. p. 1955; Dr. p. 431; Gaz. vol. 134; p. 1402.
 Ohmer, J. F., Dayton, Ohio, assignor to Ohmer Fare Register Company, Rochester, N. Y. Fare-register. No. 892,877; July 7; Sp. p. 973; Dr. pp. 204-5; Gaz. vol. 135; p. 163.
 Ohmer, J. F., Dayton, Ohio, assignor to Ohmer Fare Register Company, Rochester, N. Y. Setting and operating device for fare-registers. No. 896,315; Aug. 18; Sp. p. 3052; Dr. pp. 657-8; Gaz. vol. 135; p. 1443.
 Ohmer, J. F., and C. W. Ketteman, Dayton, Ohio, assignors to Ohmer Fare Register Company, Rochester, N. Y. Fare-register. No. 905,218; Dec. 1; Sp. p. 192; Gaz. vol. 137; p. 1015.
 Ohmer, J. F., Dayton, Ohio, and E. Seebers, Portland, Oreg., assignors to Ohmer Fare Register Company, Dayton, Ohio. Fare-register. No. 890,171; June 9; Sp. p. 1960; Dr. pp. 432-3; Gaz. vol. 134; p. 1402.
 Ohmer, J. F., and E. H. Bridenbaugh, Dayton, Ohio, assignors to Ohmer Fare Register Co., Rochester, N. Y. Ticket issuing and recording machine. No. 892,876; July 7; Sp. p. 962; Dr. pp. 202-3; Gaz. vol. 135; p. 162.
 Ohmer, J. F., and F. G. Colby, Dayton, Ohio, assignors to Ohmer Fare Register Company, Rochester, N. Y. Operating mechanism for fare-registers. No. 897,391; Sept. 1; Sp. p. 306; Dr. p. 63; Gaz. vol. 136; p. 47.
 Ohmer, J. F., and H. Nelson, Dayton, Ohio, assignors to Ohmer Fare Register Co., Rochester, N. Y. Fare register and recorder. No. 908,029; Dec. 29; Sp. p. 5781; Gaz. vol. 137; p. 2051.
 Ohmer, J. F., Dayton, Ohio, and W. S. Heaton, Los Angeles, Cal., assignors to Ohmer Fare Register Co., Rochester, N. Y. Setting and operating mechanism for fare-registers. No. 908,030; Dec. 29; Sp. p. 5782; Gaz. vol. 137; p. 2052.
 Ohmer, J. F., E. H. Bridenbaugh, and H. Nelson, Dayton, Ohio, assignors to Ohmer Fare Register Co., Rochester, N. Y. Fare register and recorder. No. 908,028; Dec. 29; Sp. p. 5777; Gaz. vol. 137; p. 2051.

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- Ohmer, W. I., assignor to Recording and Computing Machines Company, Dayton, Ohio. Fare-register. No. 894,780; July 28; Sp. p. 4960; Dr. pp. 1034-7; Gaz. vol. 135; p. 866.
- Ohnemus, A., assignor to Excelsior Stove & Manufacturing Company, Quincy, Ill. Stovepipe-damper. No. 901,642; Oct. 20; Sp. p. 3291; Dr. p. 675; Gaz. vol. 136; p. 1649.
- Ohnimus, B., St. Louis, Mo. Rail-joint. No. 904,802; Nov. 24; Sp. p. 4675; Gaz. vol. 137; p. 840.
- Ohnstrand, E., assignor to Ohnstrand Metal Furniture Company, Jamestown, N. Y. Sheet-metal-frame construction. No. 899,259; Sept. 22; Sp. p. 4014; Dr. p. 857; Gaz. vol. 136; p. 744.
- Ohnstrand Metal Furniture Company. (See Ohnstrand, E., assignor.)
- Ohsol, J., Jersey City, N. J. Newspaper-holder. No. 883,336; Mar. 31; Sp. p. 5666; Dr. p. 1210; Gaz. vol. 133; p. 1055.
- Oil and Waste Saving Machine Company. (See Barker, E. H., assignor.)
- Oil Well Supply Company. (See Heggem, A. G., assignor.)
- Oil Well Supply Company. (See Johnston, D. K., assignor.)
- Oishi, C. (See Conover, H. V., assignor.)
- Okazaki, K., assignor to one-half to H. Yenjo, Tokyo, Japan. Nitrogenous food product. No. 897,392; Sept. 1; Sp. p. 308; Dr. p. 64; Gaz. vol. 136; p. 47.
- Olander, A. C., Chicago, Ill. Box-lid holder. No. 891,434; June 23; Sp. p. 4557; Dr. p. 991; Gaz. vol. 134; p. 1879.
- Olberg, C., Philadelphia, Pa. Trolley. No. 906,552; Dec. 15; Sp. p. 2785; Gaz. vol. 137; p. 1505.
- Olberg, C. R., Vienna, Va., assignor to one-half to F. R. Weller, Washington, D. C. Wrench. No. 901,821; Oct. 20; Sp. p. 3683; Dr. p. 748; Gaz. vol. 136; p. 1709.
- Oldendorf, J., Elizabeth, N. J. Rail-brace. No. 881,198; Mar. 10; Sp. p. 1400; Dr. p. 303; Gaz. vol. 133; p. 268.
- Ollendorph, H., St. Louis, Mo. Nut-lock. No. 897,770; Sept. 1; Sp. p. 1078; Dr. p. 231; Gaz. vol. 136; p. 172.
- Older, C., W. S. Gearhart, and H. E. Bilger, Springfield, Ill. Automatic lamp-extinguisher. No. 907,089; Dec. 15; Sp. p. 3783; Gaz. vol. 137; p. 1673.
- Oldfield, F., Portsmouth, N. H., assignor to Morley Button Manufacturing Company, Boston, Mass. Button. No. 907,865; Dec. 29; Sp. p. 5429; Gaz. vol. 137; p. 1999.
- Oldfield, F. F. W., Brixton, London, England. Mold for the production of base-blocks for mounting printing-blocks. No. 878,663; Feb. 11; Sp. p. 1651; Dr. p. 339; Gaz. vol. 132; p. 1137.
- Oldfield, T., and J. A. Schofield, Halifax, England. Resilient wheel of motor-cars and other suitable road-vehicles. No. 894,458; July 28; Sp. p. 4359; Dr. pp. 898-9; Gaz. vol. 135; p. 764.
- Oldham, G. F., assignor to J. D. Butterfield, Toledo, Ohio. Hem-finder. No. 879,304; Feb. 18; Sp. p. 2897; Dr. p. 604; Gaz. vol. 132; p. 1384.
- Oldham, W. B., *et al.* (See Babb, J. M., assignor.)
- Oldman, E., Buffalo, N. Y. Device for replacing fusible plugs. No. 881,143; Mar. 10; Sp. p. 1304; Dr. p. 281; Gaz. vol. 133; p. 251.
- Oldroyd, G. B., East St. Louis, Ill. Educational device. No. 894,043; July 21; Sp. p. 3483; Dr. p. 714; Gaz. vol. 135; p. 606.
- Olds, F. E., administratrix. (See Olds, W. J.)
- Olds Gas Power Company. (See Gerdes, H., assignor.)
- Olds Gas Power Company. (See Harrington, N. T., assignor.)
- Olds Gas Power Company. (See Hilprecht, R., assignor.)
- Olds Motor Works. (See Coffin, H. E., assignor.)
- Olds Motor Works. (See Dunham, G. W., assignor.)
- Olds Motor Works. (See Smith, F. L., assignor.)
- Olds, R. E., and H. T. Thomas, assignors to Reo Motor Car Company, Lansing, Mich. Gas-engine. No. 890,571; June 9; Sp. p. 2756; Dr. p. 609; Gaz. vol. 134; p. 1531.
- Olds, W. J., deceased, Denver, Colo.; F. E. Olds, administratrix, assignor to M. B. Cutshaw, Denver, Colo. Roller-clutch. No. 897,846; Sept. 1; Sp. p. 1232; Dr. p. 264; Gaz. vol. 136; p. 195.
- Oles, A. B., Unadilla, assignor, by mesne assignments, to New Store & Library Fixture Company, Albany, N. Y. Sectional bookcase. No. 902,995; Nov. 3; Sp. p. 937; Gaz. vol. 137; p. 155.
- Oleson, A., Toledo, Ohio. Lightning-arrester. No. 907,866; Dec. 29; Sp. p. 5430; Gaz. vol. 137; p. 1999.
- Oleson, O. E., Chicago, Ill. Valve. No. 905,219; Dec. 1; Sp. p. 199; Gaz. vol. 137; p. 1016.
- Olin, C. M., Vincennes, Ind. Light-box. No. 878,418; Feb. 4; Sp. p. 1055; Dr. p. 213; Gaz. vol. 132; p. 1022.
- Olin, F. W., East Alton, Ill. Cartridge-priming machine. No. 887,508; May 12; Sp. p. 2412; Dr. pp. 508-9; Gaz. vol. 134; p. 414.
- Olinger, J. M., Springfield, Ohio. Ice-cleaner for trolley-poles. No. 885,368; Apr. 21; Sp. p. 3513; Dr. p. 733; Gaz. vol. 133; p. 1808.
- Olipphant, W. A., Petersburg, Ind. Post. No. 887,217; May 12; Sp. p. 1721; Dr. p. 366; Gaz. vol. 134; p. 316.
- Olive, L. T., Sarasota, Fla. Portable ladder-like scaffold. No. 882,161; Mar. 17; Sp. p. 3362; Dr. pp. 716-17; Gaz. vol. 133; p. 608.
- Oliver Chilled Plow Works. (See Davis, C. R., assignor.)
- Oliver Chilled Plow Works. (See Paul, W. L., assignor.)
- Oliver, E. C., Minneapolis, Minn. Speed-indicator. No. 895,670; Aug. 11; Sp. p. 1786; Dr. p. 380; Gaz. vol. 135; p. 1213.
- Oliver, G., Lynchburg, Va. Tamping-tool. No. 887,218; May 12; Sp. p. 1723; Dr. p. 366; Gaz. vol. 134; p. 316.
- Oliver Manufacturing Company. (See Oliver, W. B., assignor.)
- Oliver, T., *et al.* (See Stewart, J. S., assignor.)
- Oliver, T., assignor to Oliver Typewriter Company. Ribbon-throw mechanism for type-writing machines. No. 895,671; Aug. 11; Sp. p. 1788; Dr. p. 380; Gaz. vol. 135; p. 1214.
- Oliver Typewriter Company. (See Gradwell, R., assignor.)
- Oliver Typewriter Company. (See Harting, C. C., assignor.)
- Oliver Typewriter Company. (See Knapp, T. L., assignor.)
- Oliver Typewriter Company. (See May, A., assignor.)
- Oliver Typewriter Company. (See Oliver, T., assignor.)
- Oliver Typewriter Company. (See Persson, G., assignor.)
- Oliver Typewriter Company. (See Poole, C. C., assignor.)
- Oliver, W. B., Collingswood, N. J., assignor to Oliver Manufacturing Company, Philadelphia, Pa. Telephone-stand. No. 885,859; Apr. 28; Sp. p. 4509; Dr. p. 947; Gaz. vol. 133; p. 1993.
- Oliver, W. F., Hartford, Conn. Safety-envelop. No. 887,509; May 12; Sp. p. 2415; Dr. p. 509; Gaz. vol. 134; p. 415.
- Oliver, W. H., Chicago, Ill. Wrench or nut-jack. No. 879,305; Feb. 18; Sp. p. 2898; Dr. p. 605; Gaz. vol. 132; p. 1384.
- Oliver, W. H., Oshkosh, Wis. Ironing-machine. No. 902,676; Nov. 3; Sp. p. 278; Gaz. vol. 137; p. 48.
- Oliver, W. J., Knoxville, Tenn. Dump-car. No. 907,277; Dec. 22; Sp. p. 4206; Gaz. vol. 137; p. 1774.
- Olland, W. C., Utrecht, Netherlands. Apparatus for parceling coins. No. 892,878; July 7; Sp. p. 981; Dr. p. 205; Gaz. vol. 135; p. 163.
- Ollendorff, W. W. (See Deeley and Ollendorff, assignors.)
- Olmstead, C. L., assignor to Olmstead Quaboag Corset Company, West Brookfield, Mass. Corset. No. 897,480; Sept. 1; Sp. p. 486; Dr. p. 104; Gaz. vol. 136; p. 77.
- Olmstead, G. H., *et al.* (See Ingalls, J. A., assignor.)
- Olmstead Quaboag Corset Company. (See Olmstead, C. L., assignor.)
- Olmsted, H. K. (See Ludington and Olmsted.)
- Olop, S., Washington, D. C. Machine for grinding meat, &c. No. 894,224; July 28; Sp. p. 3863; Dr. p. 799; Gaz. vol. 135; p. 685.
- Olop, S., assignor to one-half to G. M. Brumbaugh, Washington, D. C. Reel-holder. No. 887,689; May 12; Sp. p. 2740; Dr. p. 579; Gaz. vol. 134; p. 473.
- Olschewski, L., and F. Trench, Newark, N. J. Car-fender. No. 885,780; Apr. 28; Sp. p. 4343; Dr. pp. 911-12; Gaz. vol. 133; p. 1966.
- Olson, C. A., Sherman, S. D. Ironing-board. No. 875,840; Jan. 7; Sp. p. 306; Dr. p. 67; Gaz. vol. 132; p. 56.
- Olsen, C. N., and A. P. Petersen, Jersey City, N. J. Gas-filter. No. 881,483; Mar. 10; Sp. p. 1983; Dr. p. 432; Gaz. vol. 133; p. 360.
- Olsen, J. (See Glaser and Olsen.)
- Olsen, L. (See Rauh and Olsen.)
- Olsen, M. (See Rasmussen and Olsen.)
- Olsen, N. A., Chester, Cal. Combined snow-plow and sleigh. No. 904,637; Nov. 24; Sp. p. 4319; Gaz. vol. 137; p. 785.
- Olsen, O. C., Muskegon, Mich. Air-ship. No. 895,672; Aug. 11; Sp. p. 1792; Dr. pp. 380-1; Gaz. vol. 135; p. 1214.
- Olsen, T., Philadelphia, Pa. Testing-machine. No. 875,730; Jan. 7; Sp. p. 103; Dr. pp. 21-2; Gaz. vol. 132; p. 21.
- Olsen, T., Manistee, Mich. Saw-tool. No. 893,094; July 14; Sp. p. 1421; Dr. pp. 300-1; Gaz. vol. 135; p. 264.
- Olsen, T., Iron River, Mich. Rail-joint. No. 898,917; Sept. 15; Sp. p. 3329; Dr. p. 713; Gaz. vol. 136; p. 605.
- Olsen, W. A., New York, N. Y. Safety-lock for pins. No. 904,356; Nov. 17; Sp. p. 3739; Gaz. vol. 137; p. 665.
- Olskaskie, M., Pana, Ill. Bake-pan. No. 902,904; Nov. 3; Sp. p. 759; Gaz. vol. 137; p. 125.
- Olson, A., Stockett, Mont. Combination-tool. No. 885,076; Apr. 21; Sp. p. 2872; Dr. p. 609; Gaz. vol. 133; p. 1709.
- Olson, A., Ashtabula, Ohio. Clothes-line fastener. No. 900,879; Oct. 13; Sp. p. 1725; Dr. p. 349; Gaz. vol. 136; p. 1364.
- Olson, C., *et al.* (See Mandt, M. G., assignor.)
- Olson, C., Washington, D. C. Saddle-post. No. 878,419; Feb. 4; Sp. p. 1056; Dr. p. 214; Gaz. vol. 132; p. 1022.
- Olson, C., Hector, Minn. Animal-trap. No. 897,302; Sept. 1; Sp. p. 61; Dr. p. 15; Gaz. vol. 136; p. 14.

Alphabetical list of patentees—Continued.

- Olson, C. S., *et al.* (See Rakowsky, G. A., assignor.)
 Olson, E., *et al.* (See Olson, J. A., assignor.)
 Olson, E. C., Chicago, Ill. Cake-hive. No. 877,796; Jan. 28; Sp. p. 4293; Dr. p. 932; Gaz. vol. 132; p. 788.
 Olson, E. M., Chicago, Ill. Card-index drawer. No. 904,638; Nov. 24; Sp. p. 4322; Gaz. vol. 137; p. 786.
 Olson, G., *et al.* (See Olson, J. A., assignor.)
 Olson, G. M., Cokato, Minn. Automatic wagon-brake. No. 878,229; Feb. 4; Sp. p. 690; Dr. p. 142; Gaz. vol. 132; p. 958.
 Olson, I., Bellingham, Wash. Load-binder. No. 892,076; June 30; Sp. p. 5870; Dr. p. 1263; Gaz. vol. 134; p. 2121.
 Olson, J., Belgrade, Minn. Wire-stretcher. No. 898,500; Sept. 15; Sp. p. 2538; Dr. p. 544; Gaz. vol. 136; p. 469.
 Olson, J. A., Minneapolis, Minn., assignor of three-fourths to G. and E. Olson and P. D. Sherwin. Adjustable magazine-binder. No. 875,947; Jan. 7; Sp. p. 495; Dr. p. 107; Gaz. vol. 132; p. 90.
 Olson, J. G., Harrington, Wash. Rotary weed-cutting machine. No. 898,256; Sept. 8; Sp. p. 2073; Dr. pp. 440-1; Gaz. vol. 136; p. 358.
 Olson, J. O., Red Wing, Minn. Water-strainer. No. 893,645; July 21; Sp. p. 2583; Dr. p. 538; Gaz. vol. 135; p. 474.
 Olson, L., Airlie, Minn. Life buoy and raft. No. 901,732; Oct. 20; Sp. p. 3515; Dr. p. 711; Gaz. vol. 136; p. 1681.
 Olson, M. H., Leer, Mich. Trap. No. 879,668; Feb. 18; Sp. p. 3666; Dr. p. 766; Gaz. vol. 132; p. 1502.
 Olson, N. J., *et al.* (See Anderson, A., assignor.)
 Olson, O. (See Carlson, Johnson, and Olson.)
 Olson, O., Bancroft, Iowa. Trace-carrier. No. 890,698; June 16; Sp. p. 3045; Dr. p. 668; Gaz. vol. 134; p. 1606.
 Olson, O., Clarissa, Minn. Movable support for threshing-machine concaves. No. 906,553; Dec. 15; Sp. p. 2786; Gaz. vol. 137; p. 1506.
 Olson, O. K., Clifford, N. D. Nest for poultry. No. 886,151; Apr. 28; Sp. p. 5112; Dr. p. 1074; Gaz. vol. 133; p. 2089.
 Olson, O. S., Rosholt, Wis. Picture-hanger. No. 882,339; Mar. 17; Sp. p. 3704; Dr. p. 787; Gaz. vol. 133; p. 667.
 Olson, P., Stoughton, Wis. Rotary mixer for concrete. No. 890,086; June 9; Sp. p. 1781; Dr. p. 394; Gaz. vol. 134; p. 1374.
 Olson, P., Stoughton, Wis. Tamping-machine. No. 897,771; Sept. 1; Sp. p. 1079; Dr. p. 231; Gaz. vol. 136; p. 172.
 Olson, P. G., St. Paul, Minn. Lubricator-guard. No. 895,495; Aug. 11; Sp. p. 1447; Dr. p. 303; Gaz. vol. 135; p. 1157.
 Olson, S., Walworth, Wis. Door-fastener. No. 876,831; Jan. 14; Sp. p. 2317; Dr. p. 509; Gaz. vol. 132; p. 410.
 Olson, W., Brownstown, Wis. Pulverizer attachment for plows. No. 894,743; July 28; Sp. p. 4903; Dr. p. 1020; Gaz. vol. 135; p. 855.
 Omega Separator Company. (See Hartmann, W. C., assignor.)
 Omelka, J. (See Tynis, F., assignor.)
 Omond, A. W., assignor of one-half to W. M. Johnson, Bendigo, Victoria, Australia. Siphon device for withdrawing liquids from vessels. No. 892,352; June 30; Sp. p. 6459; Dr. p. 1393; Gaz. vol. 134; p. 2222.
 Omwake, G. A., Cromer, Ohio. Ditching-machine. No. 891,000; June 16; Sp. p. 3693; Dr. p. 805; Gaz. vol. 134; p. 1706.
 Onderdonk, L., New York, N. Y., assignor to Union Special Sewing Machine Company, Chicago, Ill. Looper-operating mechanism for sewing-machines. No. 903,226; Nov. 10; Sp. p. 1391; Gaz. vol. 137; p. 257.
 Oneal, W. R., Maryville, Mo. Envelop-seal. No. 890,909; Mar. 3; Sp. p. 868; Dr. p. 186; Gaz. vol. 133; p. 145.
 Oneida Community. (See Ellis, F. F., assignor.)
 Oneida Community. (See Skinner, T. H., assignor.)
 Oneida Community. (See Trumble, C. B., assignor.)
 Onfroy, R., Jr., San Francisco, Cal. Cuff and wristband fastener. No. 896,659; Aug. 18; Sp. p. 3723; Dr. p. 802; Gaz. vol. 135; p. 1553.
 Ong, D. B. (See Binns, D., assignor.)
 Ongley, C. E., New York, N. Y. Buttonhole-sewing attachment for sewing-machines. No. 894,977; Aug. 4; Sp. p. 407; Dr. pp. 82-3; Gaz. vol. 135; p. 960.
 Ongley, C. E., New York, N. Y., assignor, by mesne assignments, to Button Sewing Attachment Company. Button-sewing attachment for sewing-machines. No. 893,538; July 14; Sp. p. 2341; Dr. p. 490; Gaz. vol. 135; p. 409.
 Onondaga Pottery Company. (See Fass, J., assignor.)
 Ontario Drill Company. (See Armitage and Thistlethwaite, assignors.)
 Ontario Nickel Company. (See Dow and Gates, assignors.)
 Ontario Type Machine Company. (See Hanigan, A. W., assignor.)
 Oppelt, W., Juniata, Pa. Rail-joint. No. 896,040; Aug. 11; Sp. p. 2527; Dr. p. 547; Gaz. vol. 135; p. 1334.
 Oppenheim, J., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 904,803; Nov. 24; Sp. p. 4677; Gaz. vol. 137; p. 841.
 Oppenheim, L., New York, N. Y. Water-closet seat. No. 893,646; July 21; Sp. p. 2585; Dr. p. 538; Gaz. vol. 135; p. 474.
 Oppenheimer & Levy, S. (See Van Raalte, Z., assignor.)
 Oppenheimer, W. R., Philadelphia, Pa. Suspenders. No. 877,516; Jan. 28; Sp. p. 3758; Dr. p. 814; Gaz. vol. 132; p. 700.
 Oppenheimer's Sons, L. (See Sametz, H., assignor.)
 Opperman, I. (See Jaegle, W. C., assignor.)
 Opitz, R., Koblenz, Germany. Soundboard for stringed musical instruments. No. 880,692; Mar. 3; Sp. p. 396; Dr. p. 86; Gaz. vol. 133; p. 71.
 Opitz, R., Koblenz, Germany. Piano-action. No. 890,087; June 9; Sp. p. 1783; Dr. p. 394; Gaz. vol. 134; p. 1374.
 Opsahl, J. B., Chicago, Ill. Oil-switch. No. 908,123; Dec. 29; Sp. p. 5967; Gaz. vol. 137; p. 2082.
 Opsal, A., Portland, Oreg., assignor to Opsal Lubricating Company, Oakland, Cal. Pulley-block. (Reissue.) No. 12,776; Apr. 7; Sp. p. 1382; Dr. p. 295; Gaz. vol. 133; p. 1413.
 Opsal Lubricating Company. (See Opsal, A., assignor.) (Reissue.)
 Opsal, S., assignor to F. Watne, Stavanger, Norway. Seaming-machine. No. 904,009; Nov. 17; Sp. p. 2839; Gaz. vol. 137; p. 546.
 Optische Anstalt C. P. Goerz Aktiengesellschaft, Firm of. (See Jacob, H., assignor.)
 Optische Anstalt C. P. Goerz Aktiengesellschaft, Firm of. (See Kaemmerer, P., assignor.)
 Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Neumayer, E., assignor.)
 Oramas, P., assignor to O. Loos and G. Stahl, New York, N. Y. Japanning metal surfaces. No. 906,916; Dec. 15; Sp. p. 3478; Gaz. vol. 137; p. 1620.
 Orchard, A. S., Philadelphia, Pa. Galley-lock. No. 889,036; May 26; Sp. p. 5458; Dr. p. 1160; Gaz. vol. 134; p. 975.
 Orchard, E. R., Fargo, N. D. Penholder. No. 902,164; Oct. 27; Sp. p. 4380; Dr. p. 887; Gaz. vol. 136; p. 1849.
 Orcutt, F. H. (See Broad and Orcutt.)
 Ord, C. E., Cleveland, Ohio. Fluid-heated chamber. No. 885,781; Apr. 28; Sp. p. 4349; Dr. p. 913; Gaz. vol. 133; p. 1966.
 Ord, W., Brooklyn, Station, Ohio. Valve. No. 878,664; Feb. 11; Sp. p. 1652; Dr. p. 340; Gaz. vol. 132; p. 1137.
 Ordway, A. H., Framingham, Mass. Rocking-chair. No. 887,959; May 19; Sp. p. 3298; Dr. p. 693; Gaz. vol. 134; p. 594.
 Ordway, C., New York, N. Y. Recovering crystalline substances from liquor and drying the same. No. 905,568; Dec. 1; Sp. p. 921; Gaz. vol. 137; p. 1130.
 Orebaugh, J. F., and C. W. Connett, Madison, Ind.; said Connett assignor to said Orebaugh. Gasolene turbine-motor. No. 884,846; Apr. 14; Sp. p. 2436; Dr. pp. 510-11; Gaz. vol. 133; p. 1607.
 Oren, T. A. K., Borup, Minn. Display-reel. No. 906,458; Dec. 8; Sp. p. 2607; Gaz. vol. 137; p. 1448.
 Orenstein, C., and H. I. Derby, Topeka, Kans. Valve. No. 891,633; June 23; Sp. p. 4978; Dr. p. 1073; Gaz. vol. 134; p. 1944.
 Orenstein, M., Berlin, Germany. Dumping-car for sticky materials. No. 901,643; Oct. 20; Sp. p. 3293; Dr. pp. 675-6; Gaz. vol. 136; p. 1649.
 Orenstein, M., Berlin, Germany. Dumping-car. No. 905,569; Dec. 1; Sp. p. 924; Gaz. vol. 137; p. 1131.
 Orewiler, B. F., Chicago, Ill. Garment-supporter. No. 881,710; Mar. 10; Sp. p. 2432; Dr. p. 523; Gaz. vol. 133; p. 432.
 Organ, J., Metcalf, Ariz. Ter. Excavating-machine. No. 908,317; Dec. 29; Sp. p. 6380; Gaz. vol. 137; p. 2150.
 Organ Power Company. (See Spencer, I. H., assignor.)
 Orient Manufacturing Company. (See Devine, W. P., assignor.)
 Oriental Candy Company. (See Hicks, J. W., assignor.)
 Orin, M. J., Akron, Ohio. Display and card rack. No. 904,080; Nov. 17; Sp. p. 3138; Gaz. vol. 137; p. 569.
 Ormiston, H. O., Kogarah, and W. D. Martin, Ashfield, New South Wales, Australia. Telltale apparatus for running machinery. No. 893,865; July 21; Sp. p. 3108; Dr. p. 637; Gaz. vol. 135; p. 547.
 Ormiston, F. D., New York, N. Y. Postal mailing-card. No. 901,464; Oct. 20; Sp. p. 2931; Dr. p. 598; Gaz. vol. 136; p. 1592.
 Orndoff, O. F., and L. T. Rasmussen, Council Bluffs, Iowa. Furrow-opener. No. 885,641; Apr. 21; Sp. p. 4056; Dr. pp. 847-8; Gaz. vol. 133; p. 1891.
 Orr, F. L., Thurman, Iowa. Gas-engine cooler. No. 876,832; Jan. 14; Sp. p. 2318; Dr. p. 509; Gaz. vol. 132; p. 410.
 Orr, F. L., Thurman, Iowa. Valve. No. 905,745; Dec. 1; Sp. p. 1250; Gaz. vol. 137; p. 1187.
 Orr, G. H., Toledo, Ohio. Nut-lock. No. 876,081; Jan. 7; Sp. p. 778; Dr. p. 166; Gaz. vol. 132; p. 132.
 Orr, R. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 890,372; June 9; Sp. p. 2385; Dr. p. 526; Gaz. vol. 134; p. 1467.
 Orr, R. P., New York, N. Y. Tent. No. 884,948; Apr. 14; Sp. p. 2617; Dr. p. 552; Gaz. vol. 133; p. 1636.
 Orr, R. S., Pittsburg, Pa. Pole. No. 878,230; Feb. 4; Sp. p. 691; Dr. p. 143; Gaz. vol. 132; p. 958.
 Orr, R. S., Pittsburg, Pa. Pole. No. 892,880; July 7; Sp. p. 986; Dr. p. 206; Gaz. vol. 135; p. 164.
 Orr, R. S., Allegheny, Pa. Pole. No. 889,474; Mar. 31; Sp. p. 5983; Dr. p. 1274; Gaz. vol. 133; p. 1102.
 Orr, R. S., Allegheny, Pa. Pole. No. 890,373; June 9; Sp. p. 2387; Dr. p. 526; Gaz. vol. 134; p. 1467.

Alphabetical list of patentees—Continued.

- Orr, S. F., Oakland, Cal. Power-transmitting apparatus. No. 902,677; Nov. 3; Sp. p. 289; Gaz. vol. 137; p. 48.
- Orr, U. M., Hendersonville, N. C. Dolly or skid roller. No. 901,028; Oct. 13; Sp. p. 2029; Dr. pp. 411-12; Gaz. vol. 136; p. 1414.
- Orr, W. A., Pittston, and H. D. Johnson, Scranton, Pa. Train-pipe coupling. No. 905,916; Dec. 8; Sp. p. 1591; Gaz. vol. 137; p. 1274.
- Orr, W. B., Salisbury, N. C. Wrench. No. 879,980; Feb. 25; Sp. p. 4326; Dr. p. 906; Gaz. vol. 132; p. 1638.
- Orrell, E. E., Ware, assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 892,881; July 7; Sp. p. 988; Dr. p. 206; Gaz. vol. 135; p. 164.
- Orstrum, C. J., Cambridge, Ill. Storage device for seed-corn. No. 887,960; May 19; Sp. p. 3299; Dr. p. 693; Gaz. vol. 134; p. 594.
- Orswell, I. C., Amesbury, assignor to Orswell Igniter Company, Boston, Mass. Induction-coil system. No. 878,467; Feb. 4; Sp. p. 1145; Dr. p. 235; Gaz. vol. 132; p. 1037.
- Orswell Igniter Company. (See Orswell, I. C., assignor.)
- Ortell, B. N., New York, N. Y. Combined pocket and garment supporter. No. 883,475; Mar. 31; Sp. p. 5985; Dr. p. 1275; Gaz. vol. 133; p. 1103.
- Orth, F., Indiana Harbor, Ind. Arch construction for furnaces. No. 880,910; Mar. 3; Sp. p. 868; Dr. p. 186; Gaz. vol. 133; p. 146.
- Ortiz, J., Greenville, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Preserving explosives. No. 897,923; Sept. 8; Sp. p. 1409; Dr. pp. 300-1; Gaz. vol. 136; p. 254.
- Ortiz, J., Greenville, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Apparatus for preserving explosives. No. 906,459; Dec. 8; Sp. p. 2608; Gaz. vol. 137; p. 1449.
- Ortmann, W., Dresden, Germany. Wire-lever stopper. No. 906,917; Dec. 15; Sp. p. 3478; Gaz. vol. 137; p. 1620.
- Orton, E. M., Minneapolis, Minn. Hay gatherer and stacker. No. 886,725; May 5; Sp. p. 796; Dr. p. 164; Gaz. vol. 134; p. 133.
- Orvis, J. K. (See Wood, A. C., assignor.)
- Orvis, O. D., Jersey City, N. J., assignor to Orvis Smoke Controller Company, New York, N. Y. Downdraft-furnace. No. 895,613; July 7; Sp. p. 411; Dr. pp. 91-2; Gaz. vol. 135; p. 76.
- Orvis, O. D., Jersey City, N. J., assignor to Orvis Smoke Controller Company, New York, N. Y. Updraft-furnace. No. 906,737; Dec. 15; Sp. p. 3134; Gaz. vol. 137; p. 1564.
- Orvis Smoke Controller Company. (See Orvis, O. D., assignor.)
- Osborn, F. C., Detroit, Mich. Cheese-cutter. No. 869,407; Feb. 18; Sp. p. 3172; Dr. p. 646; Gaz. vol. 132; p. 1417.
- Osborn, F. C., Detroit, Mich. Automatic weighing-scale. No. 888,646; May 26; Sp. p. 4653; Dr. p. 988; Gaz. vol. 134; p. 849.
- Osborn, F. H., Garrison, N. Y. Brake mechanism. No. 904,890; Nov. 24; Sp. p. 4873; Gaz. vol. 137; p. 870.
- Osborn Manufacturing Company. (See Rice, E. E., assignor.)
- Osborn, W. P. (See Eastman, T., assignor.)
- Osborne, A. E., New York, N. Y., assignor to Underwood & Underwood, Arlington, N. J. School-room chart. No. 886,630; May 5; Sp. p. 567; Dr. pp. 119-20; Gaz. vol. 134; p. 100.
- Osborne, B. H. (See Adams, C. E., assignor.)
- Osborne, E. F., assignor to Osborne Steam Engineering Company, Chicago, Ill. Heating and ventilating apparatus. No. 886,325; Apr. 28; Sp. p. 5450; Dr. pp. 1143-4; Gaz. vol. 133; p. 2149.
- Osborne, E. F., assignor to Osborne Steam Engineering Company, Chicago, Ill. Apparatus for superheating steam. No. 889,147; May 26; Sp. p. 5691; Dr. p. 1205; Gaz. vol. 134; p. 1010.
- Osborne, E. F., assignor to Osborne Steam Engineering Company, Chicago, Ill. Combined steam power and heating apparatus. No. 894,897; Aug. 4; Sp. p. 203; Dr. pp. 45-8; Gaz. vol. 135; p. 933.
- Osborne, H., New York, N. Y. Window-sash fastener. No. 904,145; Nov. 17; Sp. p. 3272; Gaz. vol. 137; p. 593.
- Osborne, H. G., Pittsburg, Pa. Hand-hole closure. No. 888,255; May 19; Sp. p. 3848; Dr. p. 808; Gaz. vol. 134; p. 689.
- Osborne, J. H., Anderson, Ind. Computing cheese-cutter. No. 894,527; July 28; Sp. p. 4483; Dr. p. 928; Gaz. vol. 135; p. 785.
- Osborne, J. W., assignor of one-half to G. Hart, Winchester, Ill. Cultivator. No. 902,107; Oct. 27; Sp. p. 4267; Dr. p. 865; Gaz. vol. 136; p. 1830.
- Osborne, O., assignor of one-half to L. B. Slocumb, Zanesville, Ohio. Boring attachment for drills. No. 881,822; Mar. 10; Sp. p. 2639; Dr. p. 565; Gaz. vol. 133; p. 470.
- Osborne Steam Engineering Company. (See Osborne, E. F., assignor.)
- Osborne, W. H. (See Hulings, M. H., assignor.)
- Osborne, W. S., Hyde Park, Mass. Pneumatic separator system. No. 878,665; Feb. 11; Sp. p. 1654; Dr. p. 341; Gaz. vol. 132; p. 1138.
- Osborne, W. S., Marietta, Pa. Air and dust separator. No. 880,161; Feb. 25; Sp. p. 4691; Dr. p. 988; Gaz. vol. 132; p. 1696.
- Osgood, E. J., Oakland, Cal. Inkstand. No. 876,225; Jan. 7; Sp. p. 1052; Dr. p. 227; Gaz. vol. 132; p. 177.
- Osgood, H. B., assignor to Osgood Scale Company, Binghamton, N. Y. Weighing apparatus. No. 885,698; Apr. 21; Sp. p. 4161; Dr. pp. 871-2; Gaz. vol. 133; p. 1909.
- Osgood, H. L., *et al.* (See McNeal, L. C., assignor.)
- Osgood, I., Amesbury, Mass. Bearing. No. 879,578; Feb. 18; Sp. p. 3474; Dr. p. 728; Gaz. vol. 132; p. 1473.
- Osgood Scale Company. (See Gilbert, W. N., assignor.)
- Osgood Scale Company. (See Osgood, H. B., assignor.)
- Oshkosh Grass Matting Company. (See Monahan and Kieren, assignors.)
- Oskamp, A., Wyoming, assignor to Kisinger-Ison Company, Cincinnati, Ohio. Molding-machine. No. 908,318; Dec. 29; Sp. p. 6381; Gaz. vol. 137; p. 2150.
- Oslin, R. E., Washington, Ga. Skid-holder. No. 884,847; Apr. 14; Sp. p. 2438; Dr. p. 512; Gaz. vol. 133; p. 1607.
- Osman, G. H., Topeka, Kans. Blow-off cock. No. 900,197; Oct. 6; Sp. p. 264; Dr. p. 53; Gaz. vol. 136; p. 1115.
- Osmer, J. E., assignor to Elevator Supply & Repair Company, Chicago, Ill. Fluid-pressure motor. No. 899,795; Sept. 29; Sp. p. 5087; Dr. p. 1088; Gaz. vol. 136; p. 954.
- Osmer, J. E., assignor to Elevator Supply & Repair Company, Chicago, Ill. Door-operating mechanism. No. 899,796; Sept. 29; Sp. p. 5089; Dr. p. 1088; Gaz. vol. 136; p. 955.
- Osmer, J. E., assignor to Elevator Supply & Repair Company, Chicago, Ill. Door-operating mechanism. No. 899,999; Sept. 29; Sp. p. 5507; Dr. p. 1174; Gaz. vol. 136; p. 1019.
- Ossart, G. A. (See Germain and Ossart.)
- Osswald, H., New York, assignor to V. & O. Press Company, Glendale, N. Y. Power-press. No. 880,239; Feb. 25; Sp. p. 4855; Dr. p. 1027; Gaz. vol. 132; p. 1723.
- Osswald, H., Brooklyn, assignor to V. & O. Press Company, Glendale, N. Y. Bottle-cap-making machine. No. 908,319; Dec. 29; Sp. p. 6384; Gaz. vol. 137; p. 2150.
- Ostbye, O., Minneapolis, Minn. Adding-machine. No. 908,124; Dec. 29; Sp. p. 5970; Gaz. vol. 137; p. 2083.
- Osteman, C. G. (See Blood and Osteman.)
- Ostendorf, L. C., assignor to J. E. Cochran, Dundee, Ill. Weighing-scale. No. 901,994; Oct. 27; Sp. p. 4049; Dr. p. 821; Gaz. vol. 136; p. 1795.
- Ostendorf, O. L., Milwaukee, Wis. Chair. No. 900,301; Oct. 6; Sp. p. 487; Dr. p. 102; Gaz. vol. 136; p. 1149.
- Oster, H. (See Herzberg and Oster.)
- Oster, H. W., assignor to Oster Manufacturing Company, Cleveland, Ohio. Die-stock. No. 902,599; Nov. 3; Sp. p. 136; Gaz. vol. 137; p. 23.
- Oster, M. C. (See Jacoby, E., assignor.)
- Oster Manufacturing Company. (See Oster, H. W., assignor.)
- Oster, W., Caldwell county, Mo. Clamp for holding woven-wire fencing while stretching. No. 877,222; Jan. 21; Sp. p. 3182; Dr. p. 690; Gaz. vol. 132; p. 584.
- Osterberg, A. F. (See Osterberg, H. G. and A. F.)
- Osterberg, H. G. and A. F., Greensburg, assignors to H. Kleber & Brother Co., Pittsburg, Pa. Mechanism for notching piano-sounding-board bridges. No. 901,644; Oct. 20; Sp. p. 3294; Dr. p. 676; Gaz. vol. 136; p. 1650.
- Ostergren, K. O. (See Larson and Ostergren.)
- Ostergren, O. P., New York, and C. O. L. Cardell, Pearl River, N. Y. Rotary blower or compressor. No. 902,441; Oct. 27; Sp. p. 4971; Dr. p. 1005; Gaz. vol. 136; p. 1940.
- Osterhoudt, F. D., Renton, Wash., assignor of two-thirds to D. Lewis and G. H. Williams. Spool-holder. No. 892,077; June 30; Sp. p. 5871; Dr. p. 1264; Gaz. vol. 134; p. 2121.
- Osterhoudt, J. P. (See Middlebrook, W. H., assignor.)
- Osterhout, E. A., Iliou, N. Y. Bait-holder. No. 885,642; Apr. 21; Sp. p. 4058; Dr. p. 848; Gaz. vol. 133; p. 1891.
- Osterman, H. C., *et al.* (See De Tray, F. W., assignor.)
- Ostermann, L., Hamburg, Germany. Making neutral oxychinolin salts. No. 906,918; Dec. 15; Sp. p. 3480; Gaz. vol. 137; p. 1621.
- Ostertag, J. (See Huttenlocher, F., assignor.)
- Ostick, R. J., Covington, Ky. Rail-bond. No. 897,997; Sept. 8; Sp. p. 1568; Dr. p. 333; Gaz. vol. 136; p. 278.
- Ostlund, A., Exline, Iowa. Pick. No. 901,995; Oct. 27; Sp. p. 4051; Dr. p. 821; Gaz. vol. 136; p. 1795.
- Ostrander, A. E., Paterson, N. J., assignor to American Car & Foundry Company, St. Louis, Mo. Passenger-car. No. 877,474; Jan. 21; Sp. p. 3653; Dr. pp. 791-2; Gaz. vol. 132; p. 664.

Alphabetical list of patentees—Continued.

- Ostrander, A. E., Paterson, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Car-truck. No. 881,612; Mar. 10; Sp. p. 2234; Dr. pp. 486-7; Gaz. vol. 133; p. 404.
- Ostrander, A. I., Yonkers, N. Y. Rotary engine. No. 892,443; July 7; Sp. p. 105; Dr. p. 23; Gaz. vol. 135; p. 22.
- Ostrander, J., Indianapolis, Ind. Packing and producing same. No. 902,318; Oct. 27; Sp. p. 4708; Dr. p. 953; Gaz. vol. 136; p. 1899.
- Ostrander, J. H., Chicago, Ill. Nose guard or clip for eyeglasses. No. 906,154; Dec. 8; Sp. p. 2045; Gaz. vol. 137; p. 1350.
- Ostrogovitch, A., Bucharest, Roumania, and T. Silbermann, Charlottenburg, Germany. Producing indulin colors. No. 900,302; Oct. 6; Sp. p. 489; Gaz. vol. 136; p. 1150.
- Ostul, M. J., Minnesota, Minn. Latch. No. 876,581; Jan. 14; Sp. p. 1833; Dr. pp. 400-1; Gaz. vol. 132; p. 330.
- Oswald, J. E., *et al.* (See Pierce, F. A., assignor.)
- Oswald, K. (See De la Harpe, Oswald, and Zehntner.)
- Oswald, P. E., Los Angeles, Cal. Electric flat-iron and conductor. No. 888,843; May 26; Sp. p. 5080; Dr. p. 1084; Gaz. vol. 134; p. 911.
- Oswald, P. E., Los Angeles, Cal. Hair crimper and curler. No. 898,063; Sept. 8; Sp. p. 1708; Dr. p. 362; Gaz. vol. 136; p. 299.
- Oswald, R. W., Pittsburg, Pa. Truck. No. 899,797; Sept. 29; Sp. p. 5090; Dr. p. 1089; Gaz. vol. 136; p. 955.
- Oswalt, M. E., Mansfield, Ohio. Reverse-lever upright brake. No. 907,394; Dec. 22; Sp. p. 4418; Gaz. vol. 137; p. 1813.
- Osyor, D. N., assignor to J. A. Jeffrey, Columbus, Ohio. Mining-machine. No. 889,148; May 26; Sp. p. 5693; Dr. pp. 1205-6; Gaz. vol. 134; p. 1011.
- Otero, J. L., Lima, Peru. Inkstand. No. 903,308; Nov. 10; Sp. p. 1540; Gaz. vol. 137; p. 284.
- Otis, A. B., Vancouver, Wash. Boat. No. 904,357; Nov. 17; Sp. p. 3740; Gaz. vol. 137; p. 665.
- Otis Elevator Company. (See Furlow, F. C., assignor.)
- Otis Elevator Company. (See Gale, E. L., Sr., assignor.)
- Otis Elevator Company. (See Ihlder, J. D., assignor.)
- Otis Elevator Company. (See Neenan, M. E., assignor.)
- Otis Elevator Company. (See Newell, F. W., assignor.)
- Otis, R. C., and W. W. Gundrum, Casey, Iowa. Operating mechanism for washing-machines. No. 898,132; Sept. 8; Sp. p. 1840; Dr. p. 391; Gaz. vol. 136; p. 320.
- Otis, S., Chicago, Ill. Dump-car. No. 880,750; Mar. 3; Sp. p. 531; Dr. pp. 110-11; Gaz. vol. 133; p. 92.
- Otis, S., Chicago, Ill., assignor to National Dump Car Company. Dumping-door-operating mechanism. No. 887,837; May 19; Sp. p. 3060; Dr. p. 643; Gaz. vol. 134; p. 553.
- Otis, S., Chicago, Ill., assignor to National Dump Car Company, Augusta, Me. Dump-car. No. 888,647; May 26; Sp. p. 4655; Dr. p. 988; Gaz. vol. 134; p. 849.
- Otis, S., Chicago, Ill., assignor to National Dump Car Company. Freight-car. No. 902,678; Nov. 3; Sp. p. 283; Gaz. vol. 137; p. 49.
- Otis, S., Chicago, Ill., assignor, by mesne assignments, to National Dump Car Company. Car. (Reissue.) No. 12,889; Nov. 24; Sp. p. 5361; Gaz. vol. 137; p. 956.
- Otis, S., Chicago, Ill., assignor to Gravity Coal Bin Company. Chock for railway-cars. No. 904,218; Nov. 17; Sp. p. 3439; Gaz. vol. 137; p. 618.
- Otis, W. D., Trenton, Nebr. Device for reinforcing buggy-boxes. No. 881,944; Mar. 17; Sp. p. 2923; Dr. p. 624; Gaz. vol. 133; p. 539.
- Ott, F., South Bethlehem, Pa. Shuttle checking and releasing mechanism for looms. No. 877,223; Jan. 21; Sp. p. 3183; Dr. p. 690; Gaz. vol. 132; p. 584.
- Ott, F., South Bethlehem, Pa. Stop-motion. No. 881,144; Mar. 10; Sp. p. 1306; Dr. pp. 281-2; Gaz. vol. 133; p. 252.
- Ott, F., South Bethlehem, Pa. Loom. No. 882,120; Mar. 17; Sp. p. 3272; Dr. p. 697; Gaz. vol. 133; p. 596.
- Ott, F., South Bethlehem, Pa. Electric stop-motion for warping-machines. No. 894,283; July 28; Sp. p. 3998; Dr. p. 825; Gaz. vol. 135; p. 705.
- Ott, F. E., Indianapolis, Ind. Road-drag. No. 886,067; Apr. 28; Sp. p. 4948; Dr. p. 1040; Gaz. vol. 133; p. 2062.
- Ott, F. E., Indianapolis, Ind. Road-drag. No. 893,259; July 14; Sp. p. 1761; Dr. p. 371; Gaz. vol. 135; p. 317.
- Ott, F. E., Indianapolis, Ind. Road-drag. No. 899,798; Sept. 29; Sp. p. 5091; Dr. p. 1089; Gaz. vol. 136; p. 955.
- Ottason, T., assignor of one-half to W. G. and A. H. Shaffer, New Hampton, Iowa. Jointed tongue. No. 876,082; Jan. 7; Sp. p. 779; Dr. p. 166; Gaz. vol. 132; p. 132.
- Ottawa Banking & Trust Company. (See Blanchard, S. R., assignor.)
- Ottaway, W., assignor to Aurora Automatic Machinery Company, Aurora, Ill. Inlet-valve mechanism for explosive-engines. No. 876,582; Jan. 14; Sp. p. 1834; Dr. p. 401; Gaz. vol. 132; p. 330.
- Otterstedt, H., Jersey City, N. J. Ventilating-sole. No. 904,891; Nov. 24; Sp. p. 4875; Gaz. vol. 137; p. 870.
- Ottesen, F., assignor to Mesta Machine Company, Pittsburg, Pa. Combustion-engine. No. 893,359; July 14; Sp. p. 1950; Dr. p. 409; Gaz. vol. 135; p. 350.
- Ottinger, L., New York, N. Y. Safety circuit-closer. No. 897,130; Aug. 25; Sp. p. 4753; Dr. p. 1012; Gaz. vol. 135; p. 1735.
- Ottinger, T. C., Hydro, Okla. Feed-trough. No. 903,309; Nov. 10; Sp. p. 1541; Gaz. vol. 137; p. 285.
- Otto, A. (See Müller and Otto.)
- Otto, A., Jr., Sandwich, Ill. Hay-loader. No. 888,527; May 26; Sp. p. 4394; Dr. p. 931; Gaz. vol. 134; p. 807.
- Otto, A. S., St. Louis, Mo. Bottle-washing machine. No. 897,998; Sept. 8; Sp. p. 1569; Dr. pp. 333-5; Gaz. vol. 136; p. 278.
- Otto, A. W. (See Otto, N. E. and A. W.)
- Otto, C. E., New York, N. Y. Winding-machine. No. 884,104; Apr. 7; Sp. p. 880; Dr. pp. 185-6; Gaz. vol. 133; p. 1333.
- Otto, E. T., assignor to Otto Manufacturing Company, Jersey City, N. J. Electromedical battery. No. 889,542; June 2; Sp. p. 701; Dr. p. 161; Gaz. vol. 134; p. 1170.
- Otto Gas Engine Works. (See Reinshagen, H., assignor.)
- Otto, H., Potsdam, Germany. Quick-firing gun. No. 889,037; May 26; Sp. p. 5460; Dr. pp. 1160-1; Gaz. vol. 134; p. 975.
- Otto Manufacturing Company. (See Otto, E. T., assignor.)
- Otto, N. E., Smith Falls, and A. W. Otto, Osgoode Station, Ontario, assignors of one-third to W. R. Boon, Montreal, Canada. Water-crane. No. 903,105; Nov. 3; Sp. p. 1141; Gaz. vol. 137; p. 186.
- Otto, O., Maywood, assignor of one-half to R. Quayle, Oak Park, Ill. Packing. No. 895,038; Aug. 4; Sp. p. 535; Dr. p. 109; Gaz. vol. 135; p. 982.
- Otto W. Helbig Company. (See Helbig, O. W., assignor.)
- Ottosson, O. A., Strömsund, Sweden. Spittoon. No. 899,130; Sept. 22; Sp. p. 3720; Dr. p. 797; Gaz. vol. 136; p. 702.
- Ottumwa Box Car Loader Company. (See Hunt, W. E., assignor.)
- Ottusch, F., Brooklyn, N. Y. Washline-hanger. No. 882,121; Mar. 17; Sp. p. 3274; Dr. p. 698; Gaz. vol. 133; p. 596.
- Ouden, J. F., den Heuvelaan, assignor to Naamlooze Vennootschap tot Exploitatie der Verf Heusiet, Amsterdam, Netherlands. Manufacture of an antifouling paint. No. 891,724; June 23; Sp. p. 5167; Gaz. vol. 134; p. 1975.
- Ouellet, C. J., *et al.* (See Dufour, C., assignor.)
- Oulton, D. L., Everett, assignor to Duo Motor Company, Boston, Mass. Two-cycle hydrocarbon-engine. No. 877,589; Jan. 28; Sp. p. 3918; Dr. pp. 847-8; Gaz. vol. 132; p. 723.
- Oulton, D. L., assignor to Duo Motor Company, Boston, Mass. Two-cycle hydrocarbon-engine. No. 877,590; Jan. 28; Sp. p. 3921; Dr. pp. 848-9; Gaz. vol. 132; p. 723.
- Overall, I. L., assignor of one-half to T. J. Rock, Houston, Tex. Greasing device. No. 893,539; July 14; Sp. p. 2345; Dr. p. 491; Gaz. vol. 135; p. 409.
- Overbagh & Ayres Mfg. Company. (See Overbagh, Ayres, and Brent, assignors.)
- Overbagh, F., Evanston, F. E. Ayres, Hinsdale, and I. H. Brent, assignors to Overbagh & Ayres Mfg. Company, Chicago, Ill. Electric lamp-shade holder. No. 903,401; Nov. 10; Sp. p. 1717; Gaz. vol. 137; p. 314.
- Overbury, F. C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Method of and means for making roofing material. No. 876,008; Jan. 7; Sp. p. 629; Dr. p. 134; Gaz. vol. 132; p. 109.
- Overbury, F. C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Roofing-strip. No. 876,009; Jan. 7; Sp. p. 630; Dr. p. 134; Gaz. vol. 132; p. 109.
- Overbury, F. C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Method of and means for making roofing material. No. 876,010; Jan. 7; Sp. p. 631; Dr. p. 135; Gaz. vol. 132; p. 109.
- Overbury, F. C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Apparatus for making serrated roofing-strips. No. 881,023; Mar. 3; Sp. p. 1066; Dr. p. 232; Gaz. vol. 133; p. 182.
- Overbury, F. C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Roofing-package and making same. No. 881,024; Mar. 3; Sp. p. 1068; Dr. p. 232; Gaz. vol. 133; p. 182.
- Overbury, F. C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Machine for cutting shingle-strips, &c. No. 891,500; June 23; Sp. p. 4691; Dr. p. 1016; Gaz. vol. 134; p. 1901.
- Overbury, F. C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Roofing-strip. No. 891,501; June 23; Sp. p. 4695; Dr. p. 1017; Gaz. vol. 134; p. 1901.
- Overbury, F. C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Making shingle-strips and blanks therefor. No. 908,125; Dec. 29; Sp. p. 5973; Gaz. vol. 137; p. 2084.
- Overfield, F., Cornwall, N. Y. Weather-strip. No. 891,286; June 23; Sp. p. 4250; Dr. p. 930; Gaz. vol. 134; p. 1830.
- Overhiser, A. W., Casco, Mich. Screening device for spray-pumps. No. 880,240; Feb. 25; Sp. p. 4857; Dr. p. 1028; Gaz. vol. 132; p. 1724.

Alphabetical list of patentees—Continued.

- Overkamp, C. H., assignor to Triumph Manufacturing Company, Cincinnati, Ohio. Egg and sponge beater. No. 877,468; Jan. 21; Sp. p. 3641; Dr. p. 789; Gaz. vol. 132; p. 662.
- Overkamp, C. H., assignor to Triumph Manufacturing Company, Cincinnati, Ohio. Loaf-forming machine. No. 901,029; Oct. 13; Sp. p. 2030; Dr. p. 412; Gaz. vol. 136; p. 1414.
- Overkamp, C. H., assignor to Triumph Manufacturing Company, Cincinnati, Ohio. Loaf-forming machine. No. 901,030; Oct. 13; Sp. p. 2032; Dr. p. 412; Gaz. vol. 136; p. 1414.
- Overkamp, C. H., and F. Streich, assignors to Triumph Manufacturing Company, Cincinnati, Ohio. Loaf-forming machine. No. 901,031; Oct. 13; Sp. p. 2034; Dr. p. 412; Gaz. vol. 136; p. 1415.
- Overlack, A. (See Overlack, B. and A.)
- Overlack, B., Sr., Plainfield, and A. Overlack, Newark, N. J. Loader and hauler. No. 897,847; Sept. 1; Sp. p. 1234; Dr. p. 264; Gaz. vol. 136; p. 196.
- Overly, C. F. (See Mensch, J. A., assignor.)
- Overman, H., Brooklyn, N. Y. Riveting implement. No. 905,570; Dec. 1; Sp. p. 925; Gaz. vol. 137; p. 1131.
- Overshiner, J. M., Chicago, Ill. Cuff-protector. No. 890,088; June 9; Sp. p. 1784; Dr. p. 395; Gaz. vol. 134; p. 1374.
- Overton, C. I. (See Schoenborn and Overton.)
- Overton, J. L., assignor to H. S. Wellcome, London, England. Apparatus for containing and injecting serums and other substances. No. 877,946; Feb. 4; Sp. p. 102; Dr. p. 24; Gaz. vol. 132; p. 866.
- Overton, R. T., Bayport, N. Y. Blacking-brush. No. 886,848; May 5; Sp. p. 1037; Dr. p. 218; Gaz. vol. 134; p. 170.
- Ovidi, A., Milan, Italy. Mechanical liquid-beater. No. 894,459; July 28; Sp. p. 4360; Dr. p. 899; Gaz. vol. 135; p. 764.
- Owen, G. A., Springfield, Mass. Hydrant. No. 894,898; Aug. 4; Sp. p. 218; Dr. p. 48; Gaz. vol. 135; p. 933.
- Owen, H. I., Fulton, Mo. Medicine-dropper. No. 897,131; Aug. 25; Sp. p. 4755; Dr. p. 1013; Gaz. vol. 135; p. 1735.
- Owen, I. (See Uhden and Owen.)
- Owen, I. J., Oak Park, and R. A. Brooks, assignors to J. G. Hodgson, Sr., and W. A. Christiansen, Chicago, Ill. Bath-spray. No. 881,332; Mar. 10; Sp. p. 1673; Dr. p. 360; Gaz. vol. 133; p. 312.
- Owen, J. (See Wood, J., assignor.)
- Owen, J. W. (See Rinehart and Owen.)
- Owen, L., Bloomington, Ill. Fan. No. 899,555; Sept. 29; Sp. p. 4570; Dr. p. 982; Gaz. vol. 136; p. 875.
- Owen, M. H. and W., Chicago, Ill. Railway-switch. No. 897,393; Sept. 1; Sp. p. 311; Dr. p. 64; Gaz. vol. 136; p. 48.
- Owen, O. L., Whitinsville, Mass. Pattern mechanisms of looms. No. 904,495; Nov. 17; Sp. p. 4037; Gaz. vol. 137; p. 711.
- Owen, O. L., assignor to Whitin Machine Works, Whitinsville, Mass. Thread-board for spinning-machines. No. 899,609; Sept. 29; Sp. p. 4679; Dr. p. 1004; Gaz. vol. 136; p. 893.
- Owen, O. L., assignor to Whitin Machine Works, Whitinsville, Mass. Reel. No. 899,676; Sept. 29; Sp. p. 4819; Dr. p. 1032; Gaz. vol. 136; p. 914.
- Owen, W. (See Owen, M. H. and W.)
- Owen, W. R. (See Divers, W. H., assignor.)
- Owens, C. (See Lyle and Owens.)
- Owens, C., Chattanooga, Tenn. Feed-controlling mechanism for magazines and the like. No. 890,089; June 9; Sp. p. 1785; Dr. p. 395; Gaz. vol. 134; p. 1374.
- Owens, C., and A. Lyle, said Lyle assignor to D. P. Montague, Chattanooga, Tenn. Addressing-machine. No. 889,328; June 2; Sp. p. 261; Dr. pp. 64-5; Gaz. vol. 134; p. 1101.
- Owens, C. W., Lake City, Iowa. Duplex gravity gate-latch. No. 879,408; Feb. 18; Sp. p. 3115; Dr. p. 646; Gaz. vol. 132; p. 1417.
- Owens, F. R., Bureau, Ill. Running-gear for vehicles. No. 888,116; May 19; Sp. p. 3600; Dr. p. 754; Gaz. vol. 134; p. 644.
- Owens, J. M., assignor to J. M. Owens, Oolitic, and J. A. Rowe, Bedford, Ind. Stone-sawing machine. No. 884,949; Apr. 14; Sp. p. 2619; Dr. pp. 552-3; Gaz. vol. 133; p. 1636.
- Owens, J. N., assignor of one-half to J. E. Fowler, Youngstown, Ohio. Shaft-coupling. No. 877,113; Jan. 21; Sp. p. 2933; Dr. pp. 634-5; Gaz. vol. 132; p. 545.
- Owens, M. J., assignor to Toledo Glass Company, Toledo, Ohio. Making sheet-glass. No. 877,729; Jan. 28; Sp. p. 4174; Dr. p. 904; Gaz. vol. 132; p. 767.
- Owens, R. J., Minneapolis, Minn. Grain-separator. No. 886,306; Apr. 28; Sp. p. 5400; Dr. p. 1134; Gaz. vol. 133; p. 2141.
- Owens, T., Wilkes-Barre, Pa. Razor-guard. No. 892,679; July 7; Sp. p. 561; Dr. p. 117; Gaz. vol. 135; p. 99.
- Owens, W. J., Utica, N. Y. Wall-register. No. 884,678; Apr. 14; Sp. p. 2080; Dr. p. 444; Gaz. vol. 133; p. 1549.
- Owens, W. W., Glencoe, Ohio. Ink-well. No. 876,726; Jan. 14; Sp. p. 2129; Dr. p. 468; Gaz. vol. 132; p. 378.
- Owensboro Wagon Co. (See Jesse and Ware, assignors.)
- Owings, W. A. (See Harrison and Owings.)
- Oxford Linen Mills. (See Mudge, B. C., assignor.)
- Oxley, W. T., Campbell, Minn. Sack-tie. No. 896,142; Aug. 18; Sp. p. 2705; Dr. p. 584; Gaz. vol. 135; p. 1386.
- Ozias, A. N., Minneapolis, Minn. Temperature-indicating instrument. No. 904,558; Nov. 24; Sp. p. 4163; Gaz. vol. 137; p. 758.
- Ozorozy, T., North Braddock, Pa. Lock. No. 889,543; June 2; Sp. p. 702; Dr. p. 162; Gaz. vol. 134; p. 1170.
- P. & F. Corbin. (See Pickop, G. B., assignor.)
- P. & O. Manufacturing Company. (See Vierling, J., assignor.)
- P. R. Glass Company. (See Glass, P. R., assignor.)
- P. R. Manufacturing Company. (See Eden, H. W., assignor.)
- Paar, H., Canton, Ohio, assignor of one-half to C. McGranahan, Chicago, Ill. Horseshoe. No. 903,759; Nov. 10; Sp. p. 2446; Gaz. vol. 137; p. 428.
- Paar, H., Canton, Ohio, assignor of one-half to C. McGranahan, Chicago, Ill., and E. E. Mack, Canton, Ohio. Thill-coupling. No. 891,186; June 16; Sp. p. 4024; Dr. p. 882; Gaz. vol. 134; p. 1764.
- Paasche, J. A., Chicago, Ill. Air-brush. No. 879,891; Feb. 25; Sp. p. 4135; Dr. p. 867; Gaz. vol. 132; p. 1607.
- Pabst, C., Jr., and H. C. Savage, Philadelphia, Pa. Refrigerator. No. 879,579; Feb. 18; Sp. p. 3476; Dr. p. 729; Gaz. vol. 132; p. 1473.
- Pace, W. W. (See Sholar and Pace.)
- Pacey, A. M., deceased, Elmwood, Ill.; R. Pacey, executor. Wind-wheel. No. 897,132; Aug. 25; Sp. p. 4756; Dr. p. 1013; Gaz. vol. 135; p. 1735.
- Pacey, R., executor. (See Pacey, A. M.)
- Pacific Coast Soda Company. (See Stanley, J. C. W., assignor.)
- Pacific Electric Heating Company. (See Meredith, W., assignor.)
- Pacific Electric Heating Company. (See Richardson, E. H., assignor.)
- Pacios, A., New York, N. Y. Railway equipment. No. 895,784; Aug. 11; Sp. p. 2030; Dr. p. 430; Gaz. vol. 135; p. 1250.
- Pack, A. J., Brighton, England. Means for raising vehicle-bodies. No. 899,430; Sept. 22; Sp. p. 4301; Dr. p. 923; Gaz. vol. 136; p. 797.
- Packard, E. D. (See Stump, Reidenbaugh, and Packard.)
- Packard, E. D., and J. Reidenbaugh, assignors to Marion Incline Filter and Heater Company, Marion, Ohio. Water-purifying apparatus. No. 885,369; Apr. 21; Sp. p. 3514; Dr. pp. 733-4; Gaz. vol. 133; p. 1808.
- Packard, G. F., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rheostat. No. 885,782; Apr. 28; Sp. p. 4351; Dr. p. 913; Gaz. vol. 133; p. 1966.
- Packard, H. F., assignor of one-half to W. A. Gardner, Wakefield, Mass. Apparatus for cutting endless grooves or slots. No. 884,036; Apr. 7; Sp. p. 745; Dr. p. 154; Gaz. vol. 133; p. 1311.
- Packard, H. T., Pasadena, Cal. Lawn-sprinkler. No. 879,892; Feb. 25; Sp. p. 4137; Dr. p. 867; Gaz. vol. 132; p. 1608.
- Packard, J. W., and W. A. Hatcher, Warren, Ohio, assignors, by mesne assignments, to Packard Motor Car Company. Hydrocarbon-engine. No. 887,013; May 5; Sp. p. 1340; Dr. p. 284; Gaz. vol. 134; p. 223.
- Packard Motor Car Company. (See Huff, R., assignor.)
- Packard Motor Car Company. (See Joy, H. B., assignor.)
- Packard Motor Car Company. (See Mohan, F. J., assignor.)
- Packard Motor Car Company. (See Packard and Hatcher, assignors.)
- Packard, A. L., Tuckahoe, N. Y. Landmarking-monument. No. 885,281; Apr. 21; Sp. p. 3324; Dr. p. 694; Gaz. vol. 133; p. 1778.
- Packer, A. S., St. Paul, Minn. Ventilator. No. 878,231; Feb. 4; Sp. p. 693; Dr. p. 143; Gaz. vol. 132; p. 958.
- Packer, E., Hydesville, Cal. Dry-goods marker. No. 900,880; Oct. 13; Sp. p. 1727; Dr. p. 349; Gaz. vol. 136; p. 1364.
- Packer, E. R., Chicago Heights, assignor to Quincy, Manchester, Sargent Company, Chicago, Ill. Ratchet-tool. No. 897,772; Sept. 1; Sp. p. 1081; Dr. p. 232; Gaz. vol. 136; p. 172.
- Packscher, A., Berlin, assignor to Firm of Dr. Hirsch, Lichtenberg, near Berlin, Germany. Iron-frame window. No. 899,610; Sept. 29; Sp. p. 4680; Dr. p. 1004; Gaz. vol. 136; p. 894.
- Paddock, B. H., and A. A. Dinwiddie, Granada, Colo. Oiling device. No. 879,794; Feb. 18; Sp. p. 3899; Dr. p. 817; Gaz. vol. 132; p. 1543.
- Padden, E. F., Chicago, Ill. Insulator. No. 883,227; Mar. 31; Sp. p. 5460; Dr. p. 1163; Gaz. vol. 133; p. 1021.
- Padden, R. W., Kansas City, Mo., assignor to I. Ebert, Effingham, Kans. Separating cream from milk. No. 907,637; Dec. 22; Sp. p. 4950; Gaz. vol. 137; p. 1893.
- Paddleford, F., et al. (See Stanley, G. E., assignor.)

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- Padgham, H. F., Portland, Oreg. Folding fruit-box. No. 879,836; Feb. 18; Sp. p. 3996; Dr. p. 836; Gaz. vol. 132; p. 1557.
- Paegel, F. C., Minneapolis, Minn. Buckle-shield. No. 896,936; Aug. 25; Sp. p. 4351; Dr. p. 932; Gaz. vol. 135; p. 1670.
- Page, F. E. (See Dupuis and Page.)
- Page, F. P., Syracuse, N. Y. Train-signal. No. 884,950; Apr. 14; Sp. p. 2621; Dr. p. 550; Gaz. vol. 133; p. 1636.
- Page, G. H. (See Dupuis and Page.)
- Page, G. L., Fayetteville, N. C. Knockdown display stand or rack. No. 884,848; Apr. 14; Sp. p. 2439; Dr. p. 512; Gaz. vol. 133; p. 1607.
- Page, H. E., *et al.* (See Mercer, A., assignor.)
- Page, L. H., Chicago, Ill. Mail-bag catching and delivering device. No. 892,680; July 7; Sp. p. 562; Dr. pp. 117-18; Gaz. vol. 135; p. 99.
- Page, L. S., North Salem, Ind. Sliding jack. No. 900,419; Oct. 6; Sp. p. 728; Dr. p. 152; Gaz. vol. 136; p. 1188.
- Page Machine Company. (See Joy, J. M., assignor.)
- Page, R. H., Slater, Mo. Mail-transferring apparatus. No. 904,443; Nov. 17; Sp. p. 3907; Gaz. vol. 137; p. 693.
- Page, R. L., New York, N. Y. Fountain-divider. No. 907,638; Dec. 22; Sp. p. 4951; Gaz. vol. 137; p. 1893.
- Page, S. R., St. Ludger, Quebec, Canada. Hat-hook. No. 908,320; Dec. 29; Sp. p. 6398; Gaz. vol. 137; p. 2151.
- Page, A., Racine, Wis. Fence-post. No. 897,773; Sept. 1; Sp. p. 1083; Dr. p. 232; Gaz. vol. 136; p. 173.
- Page, J. E., Denver, Colo. Ore-separator. No. 900,581; Oct. 6; Sp. p. 1089; Dr. pp. 223-4; Gaz. vol. 136; p. 1240.
- Pahnke, L. G., *et al.* (See Rempe, J. E., assignor.)
- Paige, D. O., Detroit, Mich., assignor to Pfaudler Company, Rochester, N. Y. Erecting-hoist. No. 880,566; Mar. 3; Sp. p. 145; Dr. p. 32; Gaz. vol. 133; p. 29.
- Paige, L. R., Worcester, Mass. Talking-sign. No. 883,737; Apr. 7; Sp. p. 117; Dr. pp. 20-1; Gaz. vol. 133; p. 1211.
- Paige, S. K., *et al.* (See Bentley, T., assignor.)
- Pain, F., Allston, Mass. Cable or telegraph code. No. 877,797; Jan. 28; Sp. p. 4294; Dr. p. 932; Gaz. vol. 132; p. 789.
- Paine, F. B. H., Buffalo, N. Y., assignor to Niagara, Lockport and Ontario Power Company. Support for electrical conductors. No. 889,803; June 2; Sp. p. 1190; Dr. p. 276; Gaz. vol. 134; p. 1233.
- Paine, G. A. (See Hoard and Paine.)
- Paine, G. H., assignor to Continental Signal Company, Chicago, Ill. Interlocking switch and signal mechanism. No. 898,918; Sept. 15; Sp. p. 3330; Dr. pp. 713-14; Gaz. vol. 136; p. 605.
- Paine, G. P., Fargo, assignor of one-half to W. Grosvenor, Casselton, N. D. Railway signaling kit. No. 890,445; June 9; Sp. p. 2512; Dr. p. 556; Gaz. vol. 134; p. 1490.
- Painter, C. T., assignor to Patten Manufacturing Company, Chattanooga, Tenn. Clutch. No. 904,358; Nov. 17; Sp. p. 3740; Gaz. vol. 137; p. 665.
- Painter, T. M., Cleveland, Ohio. Folding chair. No. 902,248; Oct. 27; Sp. p. 4552; Dr. p. 923; Gaz. vol. 136; p. 1875.
- Painter, W., assignor to Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Machine for making closures for bottles and the like. No. 887,838; May 19; Sp. p. 3060; Dr. pp. 643-4; Gaz. vol. 134; p. 553.
- Painter, W. A., Allegheny, Pa. Hardening steel. No. 882,162; Mar. 17; Sp. p. 3364; Gaz. vol. 133; p. 609.
- Paisley, C. A., Winfield, Iowa. Veterinary forceps. No. 891,725; June 23; Sp. p. 5168; Dr. p. 1115; Gaz. vol. 134; p. 1975.
- Pakin Company. (See Paul, A. G., assignor.)
- Palecek, W. (See Sands, Palecek, and Williams.)
- Palen, W. D. (See Schwartz and Palen.)
- Pallas, C. O., Barnesville, Minn. Attachment for seed-planters. No. 889,329; June 2; Sp. p. 266; Dr. p. 65; Gaz. vol. 134; p. 1101.
- Palin, C. Jr., New York, N. Y. Post-card. No. 878,556; Feb. 11; Sp. p. 1422; Dr. p. 291; Gaz. vol. 132; p. 1101.
- Palin, V. H., assignor to T. W. Phillips Manufacturing Company, Butler, Pa. Sand pump and bail. No. 880,462; Feb. 25; Sp. p. 5310; Dr. p. 1117; Gaz. vol. 132; p. 1798.
- Palmer, B. F., Jacksonburg, W. Va. Combined plug and stop-cock. No. 881,711; Mar. 10; Sp. p. 2434; Dr. p. 524; Gaz. vol. 133; p. 433.
- Palmer, C. C., Cranford, N. J. Rotary compressor. No. 885,783; Apr. 28; Sp. p. 4352; Dr. p. 913; Gaz. vol. 133; p. 1967.
- Palmer, C. C., New York, N. Y. Rotary compressor. No. 889,398; June 2; Sp. p. 418; Dr. p. 98; Gaz. vol. 134; p. 1124.
- Palmer, C. C., New York, N. Y., assignor to Railway & Stationary Refrigerating Company. Heater for freight-cars. No. 885,700; Apr. 21; Sp. p. 4167; Dr. p. 872; Gaz. vol. 133; p. 1910.
- Palmer, C. G. (See Greene and Palmer.)
- Palmer, C. H., Cleveland, Ohio. Hoisting mechanism. No. 904,717; Nov. 24; Sp. p. 4484; Gaz. vol. 137; p. 812.
- Palmer, C. H., Sudus, N. Y. Drying-kiln. No. 892,298; June 30; Sp. p. 6304; Dr. p. 1358; Gaz. vol. 134; p. 2196.
- Palmer, C. M., Aurora, Ill. Shearing-machine. No. 877,517; Jan. 28; Sp. p. 3759; Dr. p. 814; Gaz. vol. 132; p. 700.
- Palmer, C. W., St. Louis, Mo. Mail-box. No. 904,081; Nov. 17; Sp. p. 3140; Gaz. vol. 137; p. 569.
- Palmer, E., Kent Island, Md. Replanting attachment for cultivators. No. 894,226; July 28; Sp. p. 3866; Dr. p. 800; Gaz. vol. 135; p. 686.
- Palmer, E. E., Wooster, Ohio. Shade and curtain fixture. No. 877,591; Jan. 28; Sp. p. 3923; Dr. p. 849; Gaz. vol. 132; p. 724.
- Palmer, E. E., Wooster, Ohio. Shade-roller. No. 886,400; May 5; Sp. p. 119; Dr. p. 23; Gaz. vol. 134; p. 25.
- Palmer, E. H. and W. A. Willits, Detroit, Mich.; said Willits assignor to said Palmer. Lamp. No. 885,699; Apr. 21; Sp. p. 4166; Dr. p. 872; Gaz. vol. 133; p. 1909.
- Palmer Electrical Company. (See Palmer, R. M., assignor.)
- Palmer, F. C., Springfield, Mass. Drill. No. 887,116; May 12; Sp. p. 1550; Dr. p. 328; Gaz. vol. 134; p. 284.
- Palmer, G. E., Elmira, N. Y. Stove-ring. No. 881,199; Mar. 10; Sp. p. 1400; Dr. p. 303; Gaz. vol. 133; p. 268.
- Palmer, G. E., Boston, assignor of one-half to C. B. and F. S. Price, Salem, Mass. Electrically-controlled switch mechanism. No. 882,340; Mar. 17; Sp. p. 3705; Dr. p. 788; Gaz. vol. 133; p. 667.
- Palmer, G. J., West Chester, Pa. Humidifier for radiators. No. 902,905; Nov. 3; Sp. p. 760; Gaz. vol. 137; p. 125.
- Palmer, G. J., and F. E. Pierce, Lancaster, Mass. Flushing-tank. No. 881,145; Mar. 10; Sp. p. 1307; Dr. p. 282; Gaz. vol. 133; p. 252.
- Palmer, G. W., and F. E. Pierce, Lancaster, Mass. Closet-bowl. No. 881,333; Mar. 10; Sp. p. 1676; Dr. p. 361; Gaz. vol. 133; p. 312.
- Palmer, H. A., Akron, Ohio. Resilient vehicle-tire. No. 885,860; Apr. 28; Sp. p. 4512; Dr. p. 947; Gaz. vol. 133; p. 1993.
- Palmer, H. C. (See Tichenor, E. D., assignor.)
- Palmer, H. O., Washington, D. C. Machine for manufacturing and sharpening star-bit drills. No. 880,567; Mar. 3; Sp. p. 149; Dr. pp. 32-4; Gaz. vol. 133; p. 29.
- Palmer, H. R., Cleveland, assignor to Palmer Oil Engine Company, East Cleveland, Ohio. Explosive-engine. No. 877,730; Jan. 28; Sp. p. 4176; Dr. pp. 905-6; Gaz. vol. 132; p. 767.
- Palmer, H. U., *et al.* (See MacMullin, J. J., assignor.)
- Palmer, H. U., *et al.* (See Noble, P. W., assignor.)
- Palmer, I. E., Middletown, Conn. Thread-guide. (Reissue.) No. 12,769; Mar. 24; Sp. p. 5315; Dr. p. 1134; Gaz. vol. 133; p. 971.
- Palmer, I. E., Middletown, Conn. Thread-guide. No. 884,037; Apr. 7; Sp. p. 748; Dr. p. 154; Gaz. vol. 133; p. 1312.
- Palmer, I. E., Middletown, Conn. Hull of vessels. No. 885,370; Apr. 21; Sp. p. 3518; Dr. p. 734; Gaz. vol. 133; p. 1808.
- Palmer, I. E., Middletown, Conn. Running-gear for vehicles. No. 889,960; June 9; Sp. p. 1523; Dr. pp. 343-4; Gaz. vol. 134; p. 1330.
- Palmer, I. E., Middletown, Conn. Fluid-circulating roll. No. 897,133; Aug. 25; Sp. p. 4758; Dr. p. 1013; Gaz. vol. 135; p. 1735.
- Palmer, I. E., assignor to I. E. Palmer Co., Middletown, Conn. Woven fabric. No. 900,036; Sept. 29; Sp. p. 5596; Dr. p. 1195; Gaz. vol. 136; p. 1032.
- Palmer, I. E., assignor to I. E. Palmer Company, Middletown, Conn. Couch-hammock. No. 901,936; Oct. 20; Sp. p. 3895; Dr. p. 795; Gaz. vol. 136; p. 1746.
- Palmer, I. E., assignor to I. E. Palmer Company, Middletown, Conn. Hammock-body. No. 903,494; Nov. 10; Sp. p. 1923; Gaz. vol. 137; p. 346.
- Palmer, J. E., Lynn, Mass. Automatic fender. No. 884,413; Apr. 14; Sp. p. 1500; Dr. pp. 322-3; Gaz. vol. 133; p. 1463.
- Palmer, J. V., Greenwich, N. Y. Lady's undergarment. No. 878,994; Feb. 11; Sp. p. 2276; Dr. p. 475; Gaz. vol. 132; p. 1242.
- Palmer Oil Engine Company. (See Palmer, H. R., assignor.)
- Palmer, R. F. (See Pickett, M. B., assignor.)
- Palmer, R. M., Cambridge, Mass., assignor to Palmer Electrical Company, Bangor, Me. System of electrical distribution. No. 879,307; Feb. 18; Sp. p. 2902; Dr. p. 605; Gaz. vol. 132; p. 1385.
- Palmer, R. W. C., London, England. Button-like dress-fastening. No. 896,041; Aug. 11; Sp. p. 2528; Dr. pp. 547-8; Gaz. vol. 135; p. 1334.
- Palmer, S. F., Springfield, Mo. Stove. No. 907,867; Dec. 29; Sp. p. 5433; Gaz. vol. 137; p. 1999.
- Palmer, T. A., Akron, and C. A. Carlson, Barberton, Ohio, assignors to Diamond Match Company, Chicago, Ill. Box-sanding machine. No. 901,367; Oct. 20; Sp. p. 2693; Dr. pp. 552-3; Gaz. vol. 136; p. 1558.
- Palmer, V. K. V., Brooklyn, N. Y. Power-press. No. 891,435; June 23; Sp. p. 4558; Dr. p. 992; Gaz. vol. 134; p. 1879.
- Palmer, V. K. V., Brooklyn, N. Y. Power-press. No. 891,436; June 23; Sp. p. 4561; Dr. pp. 992-3; Gaz. vol. 134; p. 1879.
- Palmer, W., London, and F. E. Blackmore, assignors to Huntley & Palmers Limited, Reading, England. Dough-kneader. No. 906,271; Dec. 8; Sp. p. 2267; Gaz. vol. 137; p. 1389.
- Palmer, W. A., St. Louis, Mo. Automatic car-coupling. No. 877,365; Jan. 21; Sp. p. 3449; Dr. p. 748; Gaz. vol. 132; p. 629.
- Palmer, W. B., Greenwich, N. Y. Apparatus for inverting tubular fabrics. No. 878,995; Feb. 11; Sp. p. 2277; Dr. pp. 475-6; Gaz. vol. 132; p. 1242.
- Palmer, W. F., *et al.* (See Lewis, A. H., assignor.)

Alphabetical list of patentees—Continued.

- Palmer, W. H., Council Bluffs, Iowa. End-gate for wagons. No. 902,319; Oct. 27; Sp. p. 4709; Dr. p. 953; Gaz. vol. 136; p. 1900.
- Palmer, W. H., Jr. (See Browne and Palmer, Jr.)
- Palmer, W. W., Jericho, Vt. Mail-box. No. 882,709; Mar. 24; Sp. p. 4405; Dr. p. 937; Gaz. vol. 133; p. 822.
- Palmtos, A., assignor to Jeffrey Manufacturing Company, Columbus, Ohio. Means for supplying and controlling electric current to motor-vehicles. No. 895,785; Aug. 11; Sp. p. 2031; Dr. pp. 430-3; Gaz. vol. 135; p. 1251.
- Palmtos, A., Fairmont, W. Va., assignor to Jeffrey Manufacturing Company, Columbus, Ohio. Trolley-switch. No. 908,031; Dec. 29; Sp. p. 5784; Gaz. vol. 137; p. 2052.
- Palmtos, A., Columbus, Ohio, and E. L. Hopkins, Erie, Pa., assignors to Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 889,149; May 26; Sp. p. 5698; Dr. p. 1206; Gaz. vol. 134; p. 1011.
- Pålsson, C. J., Christiania, Norway, assignor to C. G. Anderson, Göttenborg, Sweden. Sewing machinery. No. 897,553; Sept. 1; Sp. p. 643; Dr. pp. 133-5; Gaz. vol. 136; p. 101.
- Panama Hay Press Co. (See Cookson, C. L., assignor.)
- Panasevitch, J. S., Bridgeport, Conn. Gas-heater. No. 900,303; Oct. 6; Sp. p. 491; Dr. p. 102; Gaz. vol. 136; p. 1150.
- Pancoast, A. C., assignor of one-fourth to W. G. Pancoast, Cleveland, Ohio. Mashing, mixing, and churning machine. No. 901,465; Oct. 20; Sp. p. 2932; Dr. pp. 598-9; Gaz. vol. 136; p. 1592.
- Pancoast, G. E., New York, N. Y., assignor to American Lithographic Company. Multicolor-printing press. No. 902,165; Oct. 27; Sp. p. 4380; Dr. p. 887; Gaz. vol. 136; p. 1849.
- Pancoast, W. G. (See Pancoast, A. C., assignor.)
- Paneth, B. E., assignor to C. Bloomberg, New York, N. Y. Garter. No. 878,084; Feb. 4; Sp. p. 390; Dr. p. 81; Gaz. vol. 132; p. 911.
- Pangborn, L. D., assignor to M. B. Lloyd, Menominee, Mich. Folding wagon-top. No. 905,571; Dec. 1; Sp. p. 931; Gaz. vol. 137; p. 1132.
- Pangburn, T., Alma, N. Y. Hame-fastener. No. 878,557; Feb. 11; Sp. p. 1423; Dr. p. 291; Gaz. vol. 132; p. 1102.
- Pangher, J., assignor to E. Thomas, Vienna, Austria-Hungary. Mechanical time-fuse. No. 880,818; Mar. 3; Sp. p. 665; Dr. pp. 140-1; Gaz. vol. 133; p. 115.
- Pannebaker, G. F., assignor of one-half to L. A. Drury, St. Louis, Mich. Device for creating a central draft for fire-boxes. No. 900,772; Oct. 13; Sp. p. 1497; Dr. pp. 303-4; Gaz. vol. 136; p. 1329.
- Panter, J. A. (See Redell and Panter.)
- Pape, H., Hamburg, Germany. Obtaining oxid fumes from ores and furnace products. No. 877,114; Jan. 21; Sp. p. 2935; Gaz. vol. 132; p. 545.
- Pape, H. G., New York, N. Y. Telephone-receiver. No. 881,712; Mar. 10; Sp. p. 2435; Dr. p. 524; Gaz. vol. 133; p. 434.
- Pape, W., *et al.* (See Heilbrunn, Blüth, and Pape.)
- Pape, W., assignor of one-half to K. Heilbrunn Söhne, Berlin, Germany. Mechanical player for keyboard instruments. No. 897,008; Aug. 25; Sp. p. 4512; Dr. p. 964; Gaz. vol. 135; p. 1693.
- Papenfoth, P., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Door-lock. No. 890,172; June 9; Sp. p. 1964; Dr. p. 433; Gaz. vol. 134; p. 1403.
- Papin, A. F., New York, N. Y. Imitation tiling. No. 906,654; Dec. 15; Sp. p. 2969; Gaz. vol. 137; p. 1536.
- Papineau, V. D. (See Lovely, C., assignor.)
- Papworth, T., Portland, Oreg. Stocking-supporter. No. 901,734; Oct. 20; Sp. p. 3518; Dr. p. 712; Gaz. vol. 136; p. 1681.
- Paquette, D. (See Paquette, N. and D.)
- Paquette, F., assignor of one-half to F. Kuehn, Toledo, Ohio. Attachment for timepieces. No. 901,822; Oct. 20; Sp. p. 3686; Dr. p. 749; Gaz. vol. 136; p. 1709.
- Paquette, N. and D., Lowell, Mass. Oscillating lease-rod. No. 881,336; Mar. 10; Sp. p. 1681; Dr. p. 362; Gaz. vol. 133; p. 313.
- Paragon Mfg. Co. (See Blake, W. F., assignor.)
- Paramore, E. C., Philadelphia, Pa., assignor to Electro-Bleaching Gas Company, New York, N. Y. Treating and utilizing chlorin gas. No. 908,126; Dec. 29; Sp. p. 5974; Gaz. vol. 137; p. 2084.
- Paramount Knitting Company. (See Huse, W. D. and L. C., assignors.)
- Parant, L. L. J., and A. P. Pichon, Geneva, Switzerland. Decoloring tobacco-leaves. No. 891,001; June 16; Sp. p. 3694; Gaz. vol. 134; p. 1706.
- Parcelle, A. L., deceased, Boston, Mass.; W. A. Parcelle, administrator. Telephone system. No. 878,151; Feb. 4; Sp. p. 507; Dr. p. 108; Gaz. vol. 132; p. 933.
- Parcelle, W. A., administrator. (See Parcelle, A. L.)
- Parcels, L. H., Hiawatha, assignor of one-half to J. H. Koger, Willis, Kans. Telegraph-switch. No. 877,857; Jan. 28; Sp. p. 4405; Dr. p. 959; Gaz. vol. 132; p. 808.
- Pardee, F., Hazleton, Pa. Separator. No. 895,889; Aug. 11; Sp. p. 2228; Dr. pp. 475-6; Gaz. vol. 135; p. 1284.
- Pardoe, J. A., *et al.* (See Smith, W. C., assignor.)
- Farduba, J., New York, N. Y. Attachment for keyed musical instruments. No. 895,107; Aug. 4; Sp. p. 670; Dr. pp. 140-1; Gaz. vol. 135; p. 1005.
- Paré, A., Taunton, Mass. Steering mechanism for motor-vehicles. No. 904,146; Nov. 17; Sp. p. 3274; Gaz. vol. 137; p. 593.
- Parent, F., Bagley, Minn. Car-stake. No. 885,643; Apr. 21; Sp. p. 4059; Dr. p. 848; Gaz. vol. 133; p. 1891.
- Parent, G. W., *et al.* (See Lachapelle, S., assignor.)
- Parent, L. P., assignor of one-half to P. R. La Rocque, Waterbury, Conn. Spoke-extractor. No. 879,308; Feb. 18; Sp. p. 2906; Dr. p. 606; Gaz. vol. 132; p. 1385.
- Parent, L. P., assignor of one-half to P. R. Larocque, Waterbury, Conn. Spoke-extractor. No. 899,701; Sept. 29; Sp. p. 4857; Dr. p. 1041; Gaz. vol. 136; p. 921.
- Parenti, L., Isleton, Cal. Clasp. No. 894,341; July 28; Sp. p. 4111; Dr. p. 849; Gaz. vol. 135; p. 724.
- Parfrey, W., New York, N. Y. Shock-absorber. No. 887,117; May 12; Sp. p. 1551; Dr. p. 328; Gaz. vol. 134; p. 284.
- Parham, W. H., Paducah, Ky. Wheel. No. 899,611; Sept. 29; Sp. p. 4681; Dr. p. 1004; Gaz. vol. 136; p. 894.
- Paris, A. J., Milwaukee, Wis. Hair-pin. No. 903,760; Nov. 10; Sp. p. 2447; Gaz. vol. 137; p. 428.
- Paris, F. A., New York, N. Y. Wrinkle-eradicator. No. 895,295; Aug. 4; Sp. p. 1065; Dr. p. 223; Gaz. vol. 135; p. 1068.
- Paris, H. C., Minneapolis, Minn., assignor to National Candy Company, St. Louis, Mo. Paper box. No. 891,437; June 23; Sp. p. 4563; Dr. p. 993; Gaz. vol. 134; p. 1880.
- Paris Lamp Manufacturing Company. (See Jorres, R. W., assignor.)
- Paris Lamp Manufacturing Company. (See Zierlein, R. W., assignor.)
- Paris Lamp Manufacturing Company. (See Zierlein and Riechmann, assignors.)
- Paris, M. E., Newkirk, Okla. Removable umbrella-covering. No. 883,476; Mar. 31; Sp. p. 5986; Dr. p. 1277; Gaz. vol. 133; p. 1103.
- Park, J. S., Rockport, Ind. Earth-auger. No. 886,242; Apr. 28; Sp. p. 5264; Dr. p. 1109; Gaz. vol. 133; p. 2118.
- Park, M. S., *et al.* (See De Vilbiss, A., Jr., assignor.)
- Park, W. (See Simpson and Park.)
- Park, W. R., Taunton, Mass., assignor to United Injector Company, New York, N. Y. Injector. No. 886,849; May 5; Sp. p. 1038; Dr. p. 218; Gaz. vol. 134; p. 170.
- Parker, A. (See Everett and Parker.)
- Parker, A., Dannevirke, New Zealand. Machine for printing and issuing tickets. No. 901,996; Oct. 27; Sp. p. 4053; Dr. p. 822; Gaz. vol. 136; p. 1796.
- Parker, A. E., London, England, and E. H. Peabody, New York, N. Y. Chain-grate stoker. No. 878,085; Feb. 4; Sp. p. 391; Dr. p. 81; Gaz. vol. 132; p. 911.
- Parker, A. S., Moylan, Pa. Mail-bag deliverer and catcher. No. 891,563; June 23; Sp. p. 4822; Dr. p. 1041; Gaz. vol. 134; p. 1921.
- Parker, B. F., Cowiche, Wash. Nut-lock. No. 880,751; Mar. 3; Sp. p. 532; Dr. p. 111; Gaz. vol. 133; p. 92.
- Parker Brothers. (See Parker, G. S., assignor.)
- Parker, C. W., Springfield, assignor to Lamb Knitting Machine Co., Chicopee Falls, Mass. Transmission-gearing. No. 876,083; Jan. 7; Sp. p. 780; Dr. pp. 166-7; Gaz. vol. 132; p. 132.
- Parker, C. W., Springfield, assignor to Lamb Knitting Machine Co., Chicopee Falls, Mass. Transmission-gearing. No. 876,084; Jan. 7; Sp. p. 783; Dr. p. 167; Gaz. vol. 132; p. 133.
- Parker-Clark Electric Company. (See Clark, W. G., assignor.)
- Parker-Clark Electric Company. (See Clark and Parker, assignors.)
- Parker, E. A., Holliston, assignor to Framingham Shoe Company, Framingham, Mass. Nail-driving apparatus. No. 896,316; Aug. 18; Sp. p. 3058; Dr. pp. 658-9; Gaz. vol. 135; p. 1444.
- Parker, E. O., and H. E. Grey, Independence, Iowa. Game-register. No. 902,320; Oct. 27; Sp. p. 4711; Dr. p. 953; Gaz. vol. 136; p. 1900.
- Parker, E. R., Cincinnati, Ohio. Slipper for bathers. No. 900,881; Oct. 13; Sp. p. 1728; Dr. p. 349; Gaz. vol. 136; p. 1365.
- Parker, F., Chicago, Ill. Knockdown picture-frame. No. 899,556; Sept. 29; Sp. p. 4571; Dr. p. 982; Gaz. vol. 136; p. 876.
- Parker, F. W., New York, N. Y., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Boring-mill. No. 882,580; Mar. 24; Sp. p. 4152; Dr. p. 881; Gaz. vol. 133; p. 778.
- Parker, G. H., Arlington, N. J., assignor to J. W. Baker, Stamford, Conn. Window-swinging device. No. 889,483; June 2; Sp. p. 600; Dr. p. 140; Gaz. vol. 134; p. 1152.

Alphabetical list of patentees—Continued.

- Parker, G. H., Arlington, N. J., assignor to J. W. Baker, Stamford, Conn. Stop device for sliding sashes. No. 889,484; June 2; Sp. p. 603; Dr. p. 141; Gaz. vol. 134; p. 1152.
- Parker, G. H., Arlington, N. J., assignor to J. W. Baker, Stamford, Conn. Swinging window. No. 892,444; July 7; Sp. p. 110; Dr. p. 24; Gaz. vol. 135; p. 22.
- Parker, G. H., Arlington, N. J., assignor to J. W. Baker, Stamford, Conn. Sash cord or chain holder. No. 893,011; July 14; Sp. p. 1276; Dr. pp. 268-9; Gaz. vol. 135; p. 238.
- Parker, G. S., assignor to Parker Brothers, Incorporated, Salem, Mass. Game apparatus. No. 887,014; May 5; Sp. p. 1342; Dr. p. 284; Gaz. vol. 134; p. 223.
- Parker, G. W., New York, N. Y. Garbage-destroyer. No. 887,219; May 12; Sp. p. 1725; Dr. pp. 366-7; Gaz. vol. 134; p. 316.
- Parker, H., Nashua, N. H., assignor to Improved Paper Machinery Company, Castine, Me. Cylinder-mold for paper-making machines and the like. No. 902,505; Oct. 27; Sp. p. 5130; Dr. p. 1038; Gaz. vol. 136; p. 1963.
- Parker, H. C. (See Clark and Parker.)
- Parker, J. C. (See Trowbridge, C. C., assignor.)
- Parker, H. C., and W. G. Clark, New York, N. Y., assignors to Parker-Clark Electric Company, Jersey City, N. J. Incandescent electric lamp. No. 876,390; Jan. 14; Sp. p. 1406; Dr. p. 304; Gaz. vol. 132; p. 263.
- Parker, H. J., Oakland, assignor of one-half to T. C. Mason, Los Angeles, Cal. Air-preheater for furnaces. No. 907,395; Dec. 22; Sp. p. 4421; Gaz. vol. 137; p. 1813.
- Parker, H. L. and A. E. Cobb, Los Angeles, Cal. Combination trap-fitting. No. 904,082; Nov. 17; Sp. p. 3141; Gaz. vol. 137; p. 570.
- Parker, H. R., Reading, Pa. Headlight-controller. No. 900,198; Oct. 6; Sp. p. 265; Dr. p. 53; Gaz. vol. 136; p. 1115.
- Parker, H. S., Trenton, N. J. Cooling or refrigerating attachment for milk-cans. No. 881,025; Mar. 3; Sp. p. 1069; Dr. p. 232; Gaz. vol. 133; p. 182.
- Parker, J. C. (See Reed, A., assignor.)
- Parker, J. C., Philadelphia, Pa. Junction-box for steam-generators. No. 886,631; May 5; Sp. p. 573; Dr. p. 120; Gaz. vol. 134; p. 101.
- Parker, J. C., Philadelphia, Pa. Steam-generator. No. 890,090; June 9; Sp. p. 1786; Dr. pp. 395-6; Gaz. vol. 134; p. 1375.
- Parker, J. C., Philadelphia, Pa. Wrench. No. 900,120; Oct. 6; Sp. p. 107; Dr. p. 22; Gaz. vol. 136; p. 1090.
- Parker, J. F., Fountain City, Ind. Adjustable drill-rest. No. 905,095; Nov. 24; Sp. p. 5267; Gaz. vol. 137; p. 938.
- Parker, J. K., Longbeach, Cal. Tubular metallic spring-tire. No. 878,015; Feb. 4; Sp. p. 241; Dr. p. 55; Gaz. vol. 132; p. 889.
- Parker, J. W. (See Stewart, W. T., assignor.)
- Parker, L. C., Hamilton, Ohio. Gas-producer. No. 901,823; Oct. 20; Sp. p. 3687; Dr. p. 749; Gaz. vol. 136; p. 1709.
- Parker, L. W. (See McCabe, Parker, and Mulvaney.)
- Parker, L. W., Mobile, Ala. Bracket hose-reel. No. 889,038; May 26; Sp. p. 5461; Dr. p. 1161; Gaz. vol. 134; p. 975.
- Parker, M. B., Rockwood, Tenn. Stock-distributor and gas-seal for metallurgical furnaces. No. 883,044; Mar. 24; Sp. p. 5069; Dr. p. 1081; Gaz. vol. 133; p. 930.
- Parker Machine Company. (See Kidder, W. P., assignor.)
- Parker Machine Company. (See Kidder and Sponsel, assignors.)
- Parker Machine Company. (See Sponsel, C. W., assignor.)
- Parker, R. E., Flat River, Mo. Ball-bearing water-head for diamond drills. No. 880,324; Feb. 25; Sp. p. 5012; Dr. p. 1057; Gaz. vol. 132; p. 1750.
- Parker, R. H., Schenectady, N. Y., assignor to General Electric Company. Operating induction-motors. No. 890,699; June 16; Sp. p. 3046; Dr. p. 669; Gaz. vol. 134; p. 1606.
- Parker, R. J., *et al.* (See Benson, S., assignor.)
- Parker, T. E., *et al.*, trustees. (See Kovach, F. J., assignor.)
- Parker, W., Ellensburg, Wash. Elevator for baling-presses. No. 897,134; Aug. 25; Sp. p. 4759; Dr. p. 1013; Gaz. vol. 135; p. 1736.
- Parker, W. A. (See Earling, Parker, and Hughes.)
- Parker, W. B., *et al.* (See Moore and Deck, assignors.)
- Parker, W. H., Passaic, N. J. Box-machine. No. 902,679; Nov. 3; Sp. p. 286; Gaz. vol. 137; p. 49.
- Parker, W. H., Passaic, N. J., assignor to Dixie Match Company. Match-machine. No. 881,334; Mar. 10; Sp. p. 1677; Dr. p. 361; Gaz. vol. 133; p. 312.
- Parker, W. H., Passaic, N. J., assignor to Dixie Match Company, Memphis, Tenn. Match-boxing machine. No. 892,545; July 7; Sp. p. 295; Dr. pp. 64-5; Gaz. vol. 135; p. 55.
- Parker, W. J., Wandin South, Victoria, Australia. Attachment for corsets and other garments. No. 882,416; Mar. 17; Sp. p. 3821; Dr. p. 816; Gaz. vol. 133; p. 690.
- Parkerson, C. A., Jr., New York, N. Y. Beef-truck cradle. No. 906,919; Dec. 15; Sp. p. 3481; Gaz. vol. 137; p. 1621.
- Parkhurst, E. R., assignor of one-third to J. W. Marshall, Chicago, Ill. Nut-lock. No. 894,693; July 28; Sp. p. 4819; Dr. p. 1000; Gaz. vol. 135; p. 840.
- Parkinson, H. C., Berkeley, Cal. Cold knob for pot-covers. No. 899,260; Sept. 22; Sp. p. 4015; Dr. p. 857; Gaz. vol. 136; p. 745.
- Parkinson, W. E., Crown Point, Ind. Boiler-flue fastener. No. 891,783; June 23; Sp. p. 5275; Dr. p. 1142; Gaz. vol. 134; p. 1996.
- Parkinson, J. E., Colorado Springs, Colo. Razor. No. 882,413; Mar. 17; Sp. p. 3822; Dr. pp. 816-17; Gaz. vol. 133; p. 691.
- Parks, D., St. Louis, Mo. Molder's flask. No. 880,396; Feb. 25; Sp. p. 5158; Dr. p. 1089; Gaz. vol. 132; p. 1774.
- Parks, D., St. Louis, Mo. Molder's flask. No. 880,397; Feb. 25; Sp. p. 5161; Dr. p. 1089; Gaz. vol. 132; p. 1774.
- Parks, F. E., and H. A. Deuel, Pueblo, Colo. Furnace-port-cooling means. No. 896,937; Aug. 25; Sp. p. 4352; Dr. p. 933; Gaz. vol. 135; p. 1670.
- Parks, G., Harrison Valley, Pa. Switch mechanism and train-carried actuating means therefor. No. 877,224; Jan. 21; Sp. p. 3184; Dr. pp. 690-1; Gaz. vol. 132; p. 585.
- Parks, M. T., Lydd, England. Sea-sounding apparatus. No. 884,038; Apr. 7; Sp. p. 749; Dr. pp. 154-5; Gaz. vol. 133; p. 1312.
- Parks, S. E., assignor of one-half to T. H. Arnold, Portland, N. D. Sash-balance. No. 901,553; Oct. 20; Sp. p. 3118; Dr. p. 637; Gaz. vol. 136; p. 1621.
- Parks, W. H., Portland, N. D. Safety-stirrup. No. 887,510; May 12; Sp. p. 2417; Dr. p. 509; Gaz. vol. 134; p. 415.
- Parks & Woolson Machine Company. (See Richardson, C. G., assignor.)
- Parlin & Orendorff Company. (See Graham, W. S., assignor.)
- Parlin & Orendorff Company. (See Graham and Dewey, assignors.)
- Parmelee, H. S. (See Fancher and Parmelee.)
- Parmenter, G. A., Cambridgeport, Mass. Track-clearer. No. 888,730; May 26; Sp. p. 4820; Dr. p. 1028; Gaz. vol. 134; p. 875.
- Parmenter, O. L., Racine, Wis. Dispensing-container. No. 876,282; Jan. 7; Sp. p. 1166; Dr. p. 254; Gaz. vol. 132; p. 196.
- Parmenter, O. L., assignor to Racine Paper Goods Company, Racine, Wis. Cigar-case. No. 892,179; June 30; Sp. p. 6075; Dr. p. 1306; Gaz. vol. 134; p. 2156.
- Parmenter, O. L., assignor to Racine Paper Goods Company, Racine, Wis. Packing cigars. No. 897,925; Sept. 8; Sp. p. 1417; Dr. p. 302; Gaz. vol. 136; p. 254.
- Parmenter, O. L., assignor to Racine Paper Goods Company, Racine, Wis. Paper package. No. 904,083; Nov. 17; Sp. p. 3143; Gaz. vol. 137; p. 570.
- Parmer, W. W., Eldred, Pa. Drill-rope coupling. No. 890,091; June 9; Sp. p. 1790; Dr. p. 396; Gaz. vol. 134; p. 1375.
- Parmy, I., Bridgeport, Conn. Toy bear. No. 878,232; Feb. 4; Sp. p. 695; Dr. p. 143; Gaz. vol. 132; p. 959.
- Parnall, T. S. B., Soho Foundry, near Birmingham, assignor of one-half to Firm of W. & T. Avery, Limited, Birmingham, England. Weighing-machine. No. 904,718; Nov. 24; Sp. p. 4487; Gaz. vol. 137; p. 812.
- Parnell, T. E., *et al.* (See Davis, C. B., assignor.)
- Parson, D. (See McCullough, H. M., assignor.)
- Paro, E., Chicago, Ill. Bellows. No. 887,118; May 12; Sp. p. 1553; Dr. p. 328; Gaz. vol. 134; p. 285.
- Paroubek, A. J., Jersey City, N. J. Wristband. No. 903,761; Nov. 10; Sp. p. 2448; Gaz. vol. 137; p. 428.
- Parr, R. V., Fordwick, Va. Bag-holder. No. 883,477; Mar. 31; Sp. p. 5988; Dr. p. 1277; Gaz. vol. 133; p. 1104.
- Parr, W. E., Sparta, Mo. Passenger-recording system for trains. No. 898,675; Sept. 15; Sp. p. 2885; Dr. pp. 617-19; Gaz. vol. 136; p. 526.
- Parrill, F. L., Vincennes, Ind. Electric-lighting system for automobiles. No. 892,445; July 7; Sp. p. 112; Dr. p. 24; Gaz. vol. 135; p. 22.
- Parrish, R. R., Independence, Ore. Fly-catching device. No. 908,032; Dec. 29; Sp. p. 5787; Gaz. vol. 137; p. 2053.
- Parrish, W. B., Kara, Va. Seed-dropper. No. 883,563; Mar. 31; Sp. p. 6162; Dr. p. 1311; Gaz. vol. 133; p. 1128.
- Parrish, W. B., Kara, Va. Fertilizer-distributor. No. 883,564; Mar. 31; Sp. p. 6164; Dr. p. 1311; Gaz. vol. 133; p. 1129.
- Parrish, W. B., Kara, Va. Belt-tightener. No. 888,031; May 19; Sp. p. 3434; Dr. p. 721; Gaz. vol. 134; p. 617.
- Parry, G. W., Indianapolis, Ind. Breech-loading gun. No. 893,866; July 21; Sp. p. 3109; Dr. pp. 637-8; Gaz. vol. 135; p. 547.
- Parry, R. R., New York, N. Y., assignor to Automatic Hotel Service Co. Dish-receiver. No. 904,010; Nov. 17; Sp. p. 2992; Gaz. vol. 137; p. 546.
- Parry, S. R. (See Morse, W. F., assignor.)
- Parry, W. G., and P. J. Creedon, Peterborough, Ontario, Canada. Head for boring-bits. No. 877,592; Jan. 28; Sp. p. 3925; Dr. p. 849; Gaz. vol. 132; p. 724.
- Pars, W., Seattle, Wash. Aero-tube. No. 883,565; Mar. 31; Sp. p. 6166; Dr. p. 1311; Gaz. vol. 133; p. 1129.

Alphabetical list of patentees—Continued.

- Parshall, H. F., London Wall, London, England, assignor to General Electric Company. Electric-railway system. No. 901,997; Oct. 27; Sp. p. 4054; Dr. p. 822; Gaz. vol. 136; p. 1796.
- Parson, H. E., New York, N. Y. Blower. No. 904,804; Nov. 24; Sp. p. 4683; Gaz. vol. 137; p. 841.
- Parsons, A. S., Berkeley, Cal. Train-pipe coupling. No. 896,854; Aug. 25; Sp. p. 4164; Dr. p. 891; Gaz. vol. 135; p. 1642.
- Parsons, C. A., Newcastle-upon-Tyne, England. Dynamo-electric machinery. No. 883,822; Apr. 7; Sp. p. 296; Dr. pp. 55-6; Gaz. vol. 133; p. 1240.
- Parsons, C. A., Newcastle-upon-Tyne, England. Ship-propulsion system. No. 902,996; Nov. 3; Sp. p. 940; Gaz. vol. 137; p. 155.
- Parsons, C. A., and G. G. Stoney, Newcastle-upon-Tyne, England; said Stoney assignor to said Parsons. Turbine. No. 898,257; Sept. 8; Sp. p. 2075; Dr. p. 441; Gaz. vol. 136; p. 358.
- Parsons, C. A., and G. G. Stoney, Newcastle-upon-Tyne, England; said Stoney assignor to said Parsons. Turbine. No. 899,319; Sept. 22; Sp. p. 4112; Dr. p. 879; Gaz. vol. 136; p. 762.
- Parsons, C. E. (See Hilliard and Parsons.)
- Parsons, F. S., and W. F. Kelley, Rock Elm, Wis. Propeller. No. 891,093; June 16; Sp. p. 3853; Dr. p. 842; Gaz. vol. 134; p. 1735.
- Parsons, F. W., Tarrytown, assignor to Ingersoll-Rand Company, New York, N. Y. Drill-bit. No. 898,388; Sept. 8; Sp. p. 2305; Dr. p. 490; Gaz. vol. 136; p. 401.
- Parsons, F. W., Tarrytown, assignor to Ingersoll-Rand Company, New York, N. Y. Air-compressor. No. 898,389; Sept. 8; Sp. p. 2307; Dr. p. 490; Gaz. vol. 136; p. 401.
- Parsons, G. W., assignor to G. W. Parsons Company, Newton, Iowa. Trench-excavator. No. 890,791; June 16; Sp. p. 3258; Dr. pp. 712-14; Gaz. vol. 134; p. 1638.
- Parsons, G. W., assignor to G. W. Parsons Company, Newton, Iowa. Trench-excavator. No. 906,655; Dec. 15; Sp. p. 2969; Gaz. vol. 137; p. 1536.
- Parsons, H., Southampton, England. Tire-protector. No. 885,515; Apr. 21; Sp. p. 3771; Dr. pp. 793-4; Gaz. vol. 133; p. 1852.
- Parsons, H. E., Ridgway, Pa. Flanger for snow-plows. No. 907,701; Dec. 22; Sp. p. 5105; Gaz. vol. 137; p. 1915.
- Parsons, I. B., Bathgate, N. D. Washboiler. No. 881,335; Mar. 10; Sp. p. 1679; Dr. p. 362; Gaz. vol. 133; p. 313.
- Parsons, J. A. (See Smith, M. W., assignor.)
- Parsons, J. A., Chicago, Ill. Shovel-tooth. No. 888,256; May 19; Sp. p. 3849; Dr. p. 808; Gaz. vol. 134; p. 689.
- Parsons, J. P., and W. Fleming, Pittsburg, Pa. Spring-cushion for automobile-tires. No. 881,026; Mar. 3; Sp. p. 1072; Dr. pp. 232-3; Gaz. vol. 133; p. 183.
- Parsons, L. F. (See Taylor, Parsons, Mott, Taylor, and Fisher.)
- Parsons, R. (See Wakley and Parsons.)
- Parsons, W. J., Montague, assignor to Millers Falls Company, Millers Falls, Mass. Coping-saw frame. No. 903,495; Nov. 10; Sp. p. 1925; Gaz. vol. 137; p. 346.
- Partin, A., Cooke, Mont. Combination tool-wrench. No. 881,713; Mar. 10; Sp. p. 2438; Dr. p. 524; Gaz. vol. 133; p. 434.
- Partington, R., Garman Mills, Pa. Drinking-fountain. No. 902,997; Nov. 3; Sp. p. 943; Gaz. vol. 137; p. 155.
- Partridge, C. F., assignor to Empire Last Works, Rochester, N. Y. Display-form for shoes. No. 904,639; Nov. 24; Sp. p. 4323; Gaz. vol. 137; p. 786.
- Partridge, H. (See McDonald, J. B., assignor.)
- Paschall, C. H., assignor to American 3-Way Prism Company, Philadelphia, Pa. Vault-light. No. 887,119; May 12; Sp. p. 1553; Dr. p. 328; Gaz. vol. 134; p. 285.
- Pasley, D. C., Dolliver, Iowa. Harness-buckle. No. 878,996; Feb. 11; Sp. p. 2280; Dr. p. 476; Gaz. vol. 132; p. 1242.
- Pasley, I., Olds, Alberta, Canada. Veterinary vaginal speculum. No. 902,906; Nov. 3; Sp. p. 762; Gaz. vol. 137; p. 126.
- Pasquale, R., Oil City, Pa. Switch-point thrower. No. 902,249; Oct. 27; Sp. p. 4553; Dr. p. 924; Gaz. vol. 136; p. 1875.
- Pass, J., Geddes, assignor to Onondaga Pottery Company, Syracuse, N. Y. China-cleaning. No. 899,893; Sept. 29; Sp. p. 5275; Dr. p. 1128; Gaz. vol. 136; p. 986.
- Passat, L. G., Lambézellec, France. Boiler-tube expander. No. 907,396; Dec. 22; Sp. p. 4422; Gaz. vol. 137; p. 1813.
- Passburg, E., Berlin, Germany. Apparatus for drying in vacuum. No. 888,257; May 19; Sp. p. 3849; Dr. p. 809; Gaz. vol. 134; p. 689.
- Passmore, L. M., Los Angeles, Cal. Reinforcement for metallic tubing. No. 908,127; Dec. 29; Sp. p. 5978; Gaz. vol. 137; p. 2084.
- Pasternak, J., New York, N. Y. Gas-lighter. No. 907,702; Dec. 22; Sp. p. 5108; Gaz. vol. 137; p. 1915.
- Pasteur, C. D. A., assignor of two-thirds to A. E. Duquesne and L. L. Dockes, Paris, France. Indicating and controlling apparatus for inflating mechanisms. No. 883,228; Mar. 31; Sp. p. 5461; Dr. pp. 1163-4; Gaz. vol. 133; p. 1022.
- Pasteur-Chamberland Filter Company. (See Wuichet, W. G., assignor.)
- Pastore, E., New Haven, Conn. Expandible bit. No. 879,309; Feb. 18; Sp. p. 2907; Dr. p. 606; Gaz. vol. 132; p. 1386.
- Pastorius, H. E., Colorado Springs, Colo. Tool. No. 895,890; Aug. 11; Sp. p. 2230; Dr. p. 476; Gaz. vol. 135; p. 1284.
- Patch, A. H., Clarksville, Tenn. Corn-sheller. No. 897,649; Sept. 1; Sp. p. 824; Dr. p. 172-3; Gaz. vol. 136; p. 132.
- Patch, F. R., Rutland, Vt. Derrick. No. 899,758; Sept. 29; Sp. p. 4985; Dr. p. 1068; Gaz. vol. 136; p. 941.
- Patent Button Company. (See White, F. R., assignor.)
- Patent Holding and Manufacturing Company. (See McLane, J. A., assignor.)
- Patent Ownership Company. (See Reed, R. H., assignor.)
- Paterson, G., Barre, Vt. Pipe-wrench. No. 877,225; Jan. 21; Sp. p. 3186; Dr. p. 691; Gaz. vol. 132; p. 585.
- Paterson, G., Barre, Vt. Wrench. No. 902,759; Nov. 3; Sp. p. 444; Gaz. vol. 137; p. 76.
- Paterson, J. J., Alpena, Mich. Apparatus for handling mail-pouches. No. 908,321; Dec. 29; Sp. p. 6399; Gaz. vol. 137; p. 2151.
- Patterson, A., Uccle, Belgium. Manufacture of maps in colors and in relief. No. 878,308; Feb. 4; Sp. p. 851; Dr. p. 169; Gaz. vol. 132; p. 985.
- Paton, J. W., Southport, England. Manufacture of plated or coated iron or steel sheets. No. 904,444; Nov. 17; Sp. p. 3908; Gaz. vol. 137; p. 693.
- Paton, P., London, England. Apparatus for conveying and discharging ores, &c. No. 880,091; Feb. 25; Sp. p. 4547; Dr. pp. 957-8; Gaz. vol. 132; p. 1673.
- Paton, W. J., Galva, Kans. Box. No. 892,299; June 30; Sp. p. 6305; Dr. p. 1358; Gaz. vol. 134; p. 2197.
- Patric, C. E., Springfield, Ohio. Planting-machine. No. 899,557; Sept. 29; Sp. p. 4573; Dr. p. 983; Gaz. vol. 136; p. 876.
- Patrick, E. A. (See McKiernan and Patrick.)
- Patrick, H. N., Sheffield, Ala. Picture-hanger. No. 885,172; Apr. 21; Sp. p. 3102; Dr. pp. 652-3; Gaz. vol. 133; p. 1741.
- Patrick, H. N., Alba, Tex. Cultivator attachment. No. 907,278; Dec. 22; Sp. p. 4210; Gaz. vol. 137; p. 1774.
- Patrick, I., New York, N. Y. Air-compressor, &c. No. 904,219; Nov. 17; Sp. p. 3440; Gaz. vol. 137; p. 619.
- Patrick, J. G., St. Charles, Iowa. Game apparatus. No. 899,895; Sept. 29; Sp. p. 5280; Dr. p. 1129; Gaz. vol. 136; p. 986.
- Pattie, W. G., assignor to S. T. Johnson and G. L. Matchan, Minneapolis, Minn. Air-brake. No. 878,468; Feb. 4; Sp. p. 1149; Dr. p. 235; Gaz. vol. 132; p. 1038.
- Patten, A. R., Fall River, Mass. Mechanical movement. No. 901,032; Oct. 13; Sp. p. 2036; Dr. p. 413; Gaz. vol. 136; p. 1415.
- Patten, G. T., Piqua, Ohio. Insect-exterminator. No. 897,650; Sept. 1; Sp. p. 825; Dr. p. 173; Gaz. vol. 136; p. 132.
- Patten, G. W., Wmbleton, N. D. Oiling device for wheels. No. 897,999; Sept. 8; Sp. p. 1571; Dr. p. 335; Gaz. vol. 136; p. 279.
- Patten, J., and C. R. Barnett, Baltimore, Md. Treating ores. No. 880,752; Mar. 3; Sp. p. 533; Dr. p. 111; Gaz. vol. 133; p. 93.
- Patten, J., Baltimore, and C. R. Barnett, Roland Park, Md. Drill-bit. No. 892,180; June 30; Sp. p. 6078; Dr. p. 1307; Gaz. vol. 134; p. 2156.
- Patten, J. S., Baltimore, Md. Journal-box. No. 881,866; Mar. 10; Sp. p. 2741; Dr. p. 587; Gaz. vol. 133; p. 484.
- Patten, J. S., assignor to R. M. Duvall and M. Schaeffer, Baltimore, Md. Lubricating-packing holder for car-axle boxes. (Reissue.) No. 12,786; Apr. 28; Sp. p. 5498; Dr. p. 1150; Gaz. vol. 133; p. 2153.
- Patten, J. S., assignor to R. M. Duvall and M. Schaeffer, Baltimore, Md. Waste-support for journal-boxes. No. 890,572; June 9; Sp. p. 2757; Dr. pp. 609-10; Gaz. vol. 134; p. 1532.
- Patten, M. A., Milltown, Ga. Washing-machine. No. 886,243; Apr. 28; Sp. p. 5266; Dr. p. 1109; Gaz. vol. 133; p. 2119.
- Patten Manufacturing Company. (See Painter, C. T., assignor.)
- Patterson, A. C. (See Patterson, G. L., assignor.)
- Patterson, A. C. (See Raymond, N. H., assignor.)
- Patterson, C., Searcy, Ark. Clothes line and pin. No. 903,402; Nov. 10; Sp. p. 1719; Gaz. vol. 137; p. 314.
- Patterson, C. A., Portland, Ore. Buckle. No. 885,701; Apr. 21; Sp. p. 4169; Dr. p. 873; Gaz. vol. 133; p. 1910.
- Patterson, C. B., Philadelphia, Pa. Collar-stay. No. 896,143; Aug. 18; Sp. p. 2706; Dr. p. 584; Gaz. vol. 135; p. 1387.
- Patterson, E. A., Morgan City, and E. F. Dickinson, Mathews, La. Saw-handle. No. 888,258; May 19; Sp. p. 3851; Dr. p. 809; Gaz. vol. 134; p. 689.
- Patterson, F. E., Bucyrus, Ohio. Water-heater. No. 877,115; Jan. 21; Sp. p. 2937; Dr. p. 635; Gaz. vol. 132; p. 546.
- Patterson, F. M., et al. (See Latimer, J. B., assignor.)
- Patterson, F. M. (See Rizer, F. W., assignor.)
- Patterson, G. H., and A. Watson, Newcastle-upon-Tyne, England. Package. No. 883,738; Apr. 7; Sp. p. 119; Dr. p. 21; Gaz. vol. 133; p. 1212.
- Patterson, G. L., assignor to A. C. Patterson, New York, N. Y. Electric plug-receptacle. No. 900,773; Oct. 13; Sp. p. 1498; Dr. p. 304; Gaz. vol. 136; p. 1329.

Alphabetical list of patentees—Continued.

- Patterson, G. L., assignor to A. C. Patterson, New York, N. Y. Electric bell. No. 901,033; Oct. 13; Sp. p. 2039; Dr. p. 414; Gaz. vol. 136; p. 1416.
- Patterson, G. L., assignor to A. C. Patterson, New York, N. Y. Stage-pocket. No. 901,034; Oct. 13; Sp. p. 2039; Dr. p. 414; Gaz. vol. 136; p. 1416.
- Patterson, H. J., *et al.* (See Crisp, H. L., assignor.)
- Patterson, M. (See Patterson, R. K., assignor.)
- Patterson, O. M., Canton, Ohio. Pump. No. 877,661; Jan. 28; Sp. p. 4051; Dr. p. 876; Gaz. vol. 132; p. 746.
- Patterson, O. P., administrator. (See Tompkins, H.)
- Patterson, R. D., Fort Smith, Ark. Rotary swing. No. 879,310; Feb. 18; Sp. p. 2907; Dr. p. 606; Gaz. vol. 132; p. 1386.
- Patterson, R. E., Rochester, N. Y. Rope-grip. No. 884,521; Apr. 14; Sp. p. 1727; Dr. p. 371; Gaz. vol. 133; p. 1497.
- Patterson, R. K., assignor of one-half to M. Patterson, Chicago, Ill. Telegraphic key. No. 876,391; Jan. 14; Sp. p. 1408; Dr. p. 304; Gaz. vol. 132; p. 263.
- Patterson, R. L., *et al.* (See Prescott, S. I., assignor.)
- Patterson, R. L., assignor to American Tobacco Company, New York, N. Y. Tube-transferring mechanism. No. 879,311; Feb. 18; Sp. p. 2909; Dr. p. 607; Gaz. vol. 132; p. 1386.
- Patterson, S., and J. W. Wiseman, Gonzales county, Tex., assignors of one-third to O. T. Payne, Lavaca county, Tex. Signal-lock for mail-boxes. No. 875,841; Jan. 7; Sp. p. 308; Dr. p. 67; Gaz. vol. 132; p. 57.
- Patterson, S., and J. W. Wiseman, Gonzales county, assignors of one-third to O. T. Payne, Lavaca county, Tex. Signal-lock for mail-boxes. No. 898,000; Sept. 8; Sp. p. 1572; Dr. p. 335; Gaz. vol. 136; p. 279.
- Patterson, T. S., Morgantown, W. Va. Coin-controlled apparatus. No. 883,478; Mar. 31; Sp. p. 5989; Dr. p. 1277; Gaz. vol. 133; p. 1104.
- Patterson, W. C., Tamaqua, assignor of one-half to C. C. Gibson, Williamsport, Pa. Automatic brake-operating attachment for signals. No. 878,016; Feb. 4; Sp. p. 243; Dr. p. 55; Gaz. vol. 132; p. 889.
- Patterson, W. E. (See Ford, A. H., assignor.)
- Patterson, W. J., Colorado Springs, Colo. Sound-box for talking-machines. No. 897,774; Sept. 1; Sp. p. 1084; Dr. p. 232; Gaz. vol. 136; p. 173.
- Patterson, W. J., assignor to Heyl & Patterson Incorporated, Pittsburg, Pa. Car-handling apparatus. No. 890,700; June 16; Sp. p. 3048; Dr. p. 669; Gaz. vol. 134; p. 1606.
- Patterson, W. L., assignor, by mesne assignments, to Bausch & Lomb Optical Company, Rochester, N. Y. Dissolving attachment for projection apparatus. No. 887,839; May 19; Sp. p. 3065; Dr. p. 644; Gaz. vol. 134; p. 554.
- Patterson, W. W., Fairview, Okla. Machine for grading and separating grain. No. 880,911; Mar. 3; Sp. p. 869; Dr. pp. 186-7; Gaz. vol. 133; p. 146.
- Patterson, W. W., assignor of one-half to J. N. Jerome, Evansville, Ind. Wrench. No. 905,353; Dec. 1; Sp. p. 450; Gaz. vol. 137; p. 1059.
- Patterson, C. H. (See Musgrove, J. A., Jr., assignor.)
- Pattillo, G. A., Cartersville, Ga. Nut-lock. No. 883,566; Mar. 31; Sp. p. 6169; Dr. p. 1312; Gaz. vol. 133; p. 1129.
- Pattinson, B. W., Manitou, Colo. Child's portable commode-chair. No. 898,597; Sept. 15; Sp. p. 2730; Dr. p. 584; Gaz. vol. 136; p. 500.
- Pattinson, B. W., Manitou, Colo. Folding cot and bath-tub cabinet. No. 898,598; Sept. 15; Sp. p. 2732; Dr. p. 584; Gaz. vol. 136; p. 501.
- Pattison, A. S., *et al.* (See Possons, M. A., assignor.)
- Pattison, C. A. (See Roby and Pattison.)
- Pattison, R. C. (See Yearwood and Pattison.)
- Pattison, S. (See Carrick and Pattison.)
- Patton, C. W. (See Washington, D. E., assignor.)
- Patton, E. H., executrix. (See Andlauer, R., assignor.)
- Patton, E. J., Three Oaks, Mich. Means for delivering mail-bags from moving trains. No. 899,894; Sept. 29; Sp. p. 5276; Dr. p. 1128; Gaz. vol. 136; p. 986.
- Patton, G. A., *et al.* (See Andlauer, R., assignor.)
- Patton, H. F., Cleveland, Ohio. Arc-lamp for stereopticons, &c. No. 904,640; Nov. 24; Sp. p. 4324; Gaz. vol. 137; p. 786.
- Patton, H. W., Indianapolis, Ind. Roller for maps, charts, &c. No. 901,035; Oct. 13; Sp. p. 2040; Dr. p. 414; Gaz. vol. 136; p. 1416.
- Patton, H. W., Indianapolis, Ind. Machine for forming and securing sheet-metal rollers to maps. No. 905,451; Dec. 1; Sp. p. 683; Gaz. vol. 137; p. 1094.
- Patton, J. B. (See Engberg, E. O., assignor.)
- Pattosien, W. J., San Rafael, Cal. Stream-power electric float. No. 904,392; Nov. 24; Sp. p. 4376; Gaz. vol. 137; p. 871.
- Paucksch, H., Landsberg-on-the-Warthe, Germany. Desiccating apparatus. No. 879,060; Feb. 11; Sp. p. 2389; Dr. p. 500; Gaz. vol. 132; p. 1262.
- Paul, A. D. (See Braddock, S. E., assignor.)
- Paul, A. G. (See Kinealy, J. H., assignor.)
- Paul, A. G., Boston, Mass. Heating system. No. 899,838; Sept. 29; Sp. p. 5157; Dr. p. 1104; Gaz. vol. 136; p. 967.
- Paul, A. G., Boston, Mass. Heating system. No. 899,839; Sept. 29; Sp. p. 5161; Dr. p. 1105; Gaz. vol. 136; p. 968.
- Paul, A. G., Boston, Mass. Thermostatic valve. No. 903,310; Nov. 10; Sp. p. 1543; Gaz. vol. 137; p. 285.
- Paul, A. G., Boston, Mass., assignor to Pakin Company. Gate-valve. No. 880,463; Feb. 25; Sp. p. 5312; Dr. pp. 1117-18; Gaz. vol. 132; p. 1798.
- Paul, A. J., *et al.* (See Hand, J. H., assignor.)
- Paul, C. F., Jr., Peekskill, N. Y., assignor to Paul & Kreuger Rock Drill Company. Hand rock-drill. No. 878,152; Feb. 4; Sp. p. 509; Dr. pp. 108-9; Gaz. vol. 132; p. 933.
- Paul, C. F., Jr., Peekskill, N. Y., assignor to Paul & Kreuger Rock Drill Company. Support for rock-drilling machines. No. 878,153; Feb. 4; Sp. p. 511; Dr. p. 109; Gaz. vol. 132; p. 933.
- Paul, J., and T. Ducousso, Paris, France. System of electrically-controlled signals for railways. No. 901,122; Oct. 13; Sp. p. 2202; Dr. p. 447; Gaz. vol. 136; p. 1442.
- Paul, J. G., Midland, Ontario, Canada. Feed-roll for woodworking-machines. No. 891,287; June 23; Sp. p. 4252; Dr. p. 930; Gaz. vol. 134; p. 1831.
- Paul, J. L., Chicago, Ill. Crucifix-holder. No. 896,238; Aug. 18; Sp. p. 2887; Dr. p. 623; Gaz. vol. 135; p. 1419.
- Paul, J. T. H., assignor to E. Goldman & Company, Chicago, Ill. Washing-machine. No. 876,656; Jan. 14; Sp. p. 2009; Dr. pp. 437-8; Gaz. vol. 132; p. 356.
- Paul, J. T. H., assignor to E. Goldman & Co., Inc., Chicago, Ill. Bottle-washer. No. 876,657; Jan. 14; Sp. p. 2011; Dr. pp. 438-9; Gaz. vol. 132; p. 356.
- Paul, J. T. H., assignor to E. Goldman & Co., Inc., Chicago, Ill. Conveyer. No. 882,795; Mar. 24; Sp. p. 4573; Dr. pp. 975-6; Gaz. vol. 133; p. 849.
- Paul, J. T. H., assignor to E. Goldman & Company, Inc., Chicago, Ill. Pasteurizing apparatus. No. 886,012; Apr. 28; Sp. p. 4835; Dr. pp. 1015-17; Gaz. vol. 133; p. 2045.
- Paul, J. T. H., assignor to E. Goldman & Co., Inc., Chicago, Ill. Pasteurizing apparatus. No. 886,013; Apr. 28; Sp. p. 4845; Dr. pp. 1017-20; Gaz. vol. 133; p. 2045.
- Paul, J. T. H., assignor to E. Goldman & Co., Inc., Chicago, Ill. Gravity-conveyer. No. 887,421; May 12; Sp. p. 2234; Dr. pp. 467-8; Gaz. vol. 134; p. 386.
- Paul, J. T. H., assignor to E. Goldman & Company, Incorporated, Chicago, Ill. Filter. No. 888,731; May 26; Sp. p. 4821; Dr. p. 1029; Gaz. vol. 134; p. 875.
- Paul, J. T. H., assignor to E. Goldman & Co., Inc., Chicago, Ill. Filter. No. 893,360; July 14; Sp. p. 1951; Dr. p. 410; Gaz. vol. 135; p. 351.
- Paul, J. T. H., Chicago, Ill., assignor to E. Goldman & Co. Inc. Mechanical movement. No. 897,651; Sept. 1; Sp. p. 827; Dr. pp. 173-5; Gaz. vol. 136; p. 132.
- Paul, J. T. H., assignor to E. Goldman & Co., Inc., Chicago, Ill. Pasteurizing apparatus. No. 907,639; Dec. 22; Sp. p. 4953; Gaz. vol. 137; p. 1893.
- Paul, J. W., Kittanning, Pa. Type-writer. No. 889,632; June 2; Sp. p. 866; Dr. p. 198; Gaz. vol. 134; p. 1199.
- Paul, J. W., Kittanning, Pa. Back-spacing device. No. 892,614; July 7; Sp. p. 413; Dr. p. 92; Gaz. vol. 135; p. 77.
- Paul, J. W., Kittanning, Pa. Type-writing machine. No. 898,676; Sept. 15; Sp. p. 2995; Dr. pp. 619-20; Gaz. vol. 136; p. 527.
- Paul, J. W., Kittanning, Pa. Type-writer. No. 901,998; Oct. 27; Sp. p. 4057; Dr. pp. 822-3; Gaz. vol. 136; p. 1796.
- Paul, J. W., Kittanning, Pa. Type-writing machine. No. 902,506; Oct. 27; Sp. p. 5130; Dr. p. 1039; Gaz. vol. 136; p. 1963.
- Paul, J. W., Kittanning, Pa. Type-writing machine. No. 902,507; Oct. 27; Sp. p. 5133; Dr. pp. 1039-40; Gaz. vol. 136; p. 1963.
- Paul & Kreuger Rock Drill Company. (See Paul, C. F., Jr., assignor.)
- Paul, P. A., Lewisburg, Ohio. Push-button switch. No. 887,840; May 19; Sp. p. 3067; Dr. p. 645; Gaz. vol. 134; p. 554.
- Paul, R. S. (See Echard and Paul.)
- Paul, W. L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Seeding-machine or cotton-planter. No. 877,116; Jan. 21; Sp. p. 2939; Dr. pp. 635-6; Gaz. vol. 132; p. 546.
- Paul, W. L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Seeding-machine. No. 877,469; Jan. 21; Sp. p. 3643; Dr. p. 789; Gaz. vol. 132; p. 662.

Alphabetical list of patentees—Continued.

- Paul, W. L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 882,957; Mar. 24; Sp. p. 4916; Dr. pp. 1042-3; Gaz. vol. 133; p. 904.
- Paul, W. L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 893,361; July 14; Sp. p. 1954; Dr. p. 410; Gaz. vol. 135; p. 351.
- Paul, W. L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Planter and cultivator. No. 896,660; Aug. 18; Sp. p. 3724; Dr. p. 802; Gaz. vol. 135; p. 1553.
- Paul, W. L., assignor to Peru Plow & Wheel Company, Peru, Ill. Pivoted-axle cultivator. No. 885,077; Apr. 21; Sp. p. 2873; Dr. p. 609; Gaz. vol. 133; p. 1710.
- Paul, W. L., assignor to Peru Plow & Wheel Company, Peru, Ill. Wheel-plow. No. 885,078; Apr. 21; Sp. p. 2874; Dr. p. 610; Gaz. vol. 133; p. 1710.
- Paul, W. L., assignor to Peru Plow & Wheel Company, Peru, Ill. Pivoted-axle cultivator. No. 885,079; Apr. 21; Sp. p. 2878; Dr. p. 610; Gaz. vol. 133; p. 1710.
- Paulley, W. T. H., Waynesburg, Pa. Chandelier. No. 883,045; Mar. 24; Sp. p. 5072; Dr. p. 1082; Gaz. vol. 133; p. 930.
- Pauling, H., assignor to Firm of Salpetersäure-Industrie-Gesellschaft, Ges. M. B. H., Gelsenkirchen, Germany. Apparatus for manufacturing nitric acid or oxid from air. No. 877,446; Jan. 21; Sp. p. 3605; Dr. p. 781; Gaz. vol. 132; p. 656.
- Pauling, H., assignor to Firm of Salpetersäure-Industrie-Gesellschaft, G. M. B. H., Gelsenkirchen, Germany. Production of pure nitric acid. No. 877,447; Jan. 21; Sp. p. 3606; Gaz. vol. 132; p. 656.
- Pauling, H., assignor to Firm of Salpetersäure-Industrie-Gesellschaft, G. M. B. H., Gelsenkirchen, Germany. Production of voltaic strong-current arcs. No. 877,448; Jan. 21; Sp. p. 3607; Dr. p. 781; Gaz. vol. 132; p. 656.
- Pauling, H., assignor to Firm of Salpetersäure-Industrie-Gesellschaft, G. M. B. H., Gelsenkirchen, Germany. Apparatus for producing voltaic high-current arcs. No. 887,220; May 12; Sp. p. 1727; Dr. p. 367; Gaz. vol. 134; p. 317.
- Pauling, H., assignor to Firm of Salpetersäure-Industrie-Gesellschaft, G. M. B. H., Gelsenkirchen, Germany. Concentrating nitric acid. No. 887,266; May 12; Sp. p. 1855; Dr. p. 392; Gaz. vol. 134; p. 332.
- Pauling, H., assignor to Salpetersäure-Industrie-Gesellschaft, G. M. B. H., Gelsenkirchen, Germany. Electrode. No. 896,144; Aug. 18; Sp. p. 2707; Dr. p. 584; Gaz. vol. 135; p. 1387.
- Pauling, H., assignor to Firm of Salpetersäure-Industrie-Gesellschaft, G. M. B. H., Gelsenkirchen, Germany. Apparatus for producing voltaic high-current arcs. No. 898,133; Sept. 8; Sp. p. 1841; Dr. p. 392; Gaz. vol. 136; p. 320.
- Pauling, H., assignor to Firm of Salpetersäure-Industrie-Gesellschaft, G. M. B. H., Gelsenkirchen, Germany. Concentrating nitrosulfuric waste acid. No. 898,390; Sept. 8; Sp. p. 2309; Dr. p. 491; Gaz. vol. 136; p. 402.
- Pauling, H., Brandau, Austria-Hungary, assignor to Westdeutsche Thomasphosphat-Werke, G. M. B. H., Berlin, Germany. Manufacturing nitric acid by means of superheating, &c. No. 882,958; Mar. 24; Sp. p. 4918; Dr. p. 1043; Gaz. vol. 133; p. 904.
- Paulson, A. O., Sharon, N. D. Cornet. No. 887,120; May 12; Sp. p. 1554; Dr. p. 329; Gaz. vol. 134; p. 285.
- Paulson, G. W., Boston, assignor of one-half to R. Paulson, Cambridge, Mass. Automatic player. No. 894,899; Aug. 4; Sp. p. 222; Dr. p. 48-9; Gaz. vol. 135; p. 934.
- Paulson, C. J., Brooklyn, assignor of one-half to W. Schoenfeld, New York, N. Y. Faucet. No. 904,559; Nov. 24; Sp. p. 4165; Gaz. vol. 137; p. 759.
- Paulson, C. J., assignor of eighty and one-half one-hundredths to K. F. Junor and P. R. MacLaurin, Brooklyn, N. Y. Automobile. No. 903,762; Nov. 10; Sp. p. 2449; Gaz. vol. 137; p. 428.
- Paulson, H., Orting, Wash. Yard-truck. No. 883,904; Apr. 7; Sp. p. 476; Dr. p. 93; Gaz. vol. 133; p. 1268.
- Paulson, H. H., Marshfield, Wis. Car-coupling. No. 902,442; Oct. 27; Sp. p. 4972; Dr. p. 1005; Gaz. vol. 136; p. 1940.
- Paulson, J. E., Foreston, Minn. Motion-converting device. No. 897,652; Sept. 1; Sp. p. 830; Dr. p. 175; Gaz. vol. 136; p. 133.
- Paulson, M., assignor to Crane Company, Chicago, Ill. Adjustable taper tap. No. 875,842; Jan. 7; Sp. p. 308; Dr. p. 67; Gaz. vol. 132; p. 57.
- Paulson, R. (See Paulson, G. W., assignor.)
- Paulson, W. S., Pittsburg, Pa. Ink-bottle holder. No. 878,233; Feb. 4; Sp. p. 696; Dr. p. 144; Gaz. vol. 132; p. 959.
- Paulson, W. S., Pittsburg, Pa. Ice-walker. No. 899,065; Sept. 22; Sp. p. 3593; Dr. p. 769; Gaz. vol. 136; p. 679.
- Pauls, R. C., Paso Robles, Cal. Cooking utensil. No. 906,272; Dec. 8; Sp. p. 2269; Gaz. vol. 137; p. 1390.
- Pauly, A. A., Youngstown, Ohio. Apparatus for forming artificial building-blocks. No. 889,633; June 2; Sp. p. 868; Dr. p. 198; Gaz. vol. 134; p. 1199.
- Pauly, A. A., Youngstown, Ohio. Apparatus for forming building-blocks and artificial stone from plastic material. No. 899,799; Sept. 29; Sp. p. 5093; Dr. pp. 1089-90; Gaz. vol. 136; p. 956.
- Pauly, J., Harlem, Mont. Neck-yoke holder. No. 902,443; Oct. 27; Sp. p. 4974; Dr. p. 1005; Gaz. vol. 136; p. 1941.
- Pauly, K. A., Schenectady, N. Y., assignor to General Electric Company. Motor control. No. 876,993; Jan. 21; Sp. p. 2684; Dr. p. 583; Gaz. vol. 132; p. 505.
- Pauly, K. A., Schenectady, N. Y., assignor to General Electric Company. Induction-motor control. No. 882,581; Mar. 24; Sp. p. 4153; Dr. p. 881; Gaz. vol. 133; p. 778.
- Pauly, P. J., Jr., St. Louis, Mo. Drop-bar lock. No. 903,880; Nov. 17; Sp. p. 2725; Gaz. vol. 137; p. 502.
- Pause, P., Chicago, Ill. Glass sign. No. 897,135; Aug. 25; Sp. p. 4762; Dr. p. 1014; Gaz. vol. 135; p. 1736.
- Pauthonier, C., Angy, France. Apparatus for filtering liquids. No. 888,259; May 19; Sp. p. 3852; Dr. p. 809; Gaz. vol. 134; p. 690.
- Paveletz, M., Canby, Ore. Antifraud-box. No. 901,036; Oct. 13; Sp. p. 2041; Dr. p. 415; Gaz. vol. 136; p. 1416.
- Paveletz, M., Canby, Ore. Clevis. No. 905,223; Dec. 1; Sp. p. 207; Gaz. vol. 137; p. 1017.
- Pavia, G., Allentown, Pa. Shuttle. No. 876,085; Jan. 7; Sp. p. 787; Dr. p. 168; Gaz. vol. 132; p. 133.
- Pawlick, I. H., San Francisco, Cal. Baking-oven. No. 885,173; Apr. 21; Sp. p. 3103; Dr. pp. 653-4; Gaz. vol. 133; p. 1741.
- Pawolowski, J., Cincinnati, Ohio. Fish-plate. No. 891,288; June 23; Sp. p. 4252; Dr. p. 931; Gaz. vol. 134; p. 1831.
- Pawolowski, J., Cincinnati, Ohio. Line-anchor. No. 891,365; June 23; Sp. p. 4423; Dr. p. 963; Gaz. vol. 134; p. 1856.
- Pawstat, H., Sheboygan, Wis. Door-stop. No. 890,701; June 16; Sp. p. 3050; Dr. p. 669; Gaz. vol. 134; p. 1607.
- Pax, J. W. (See Raymond, C. T., assignor.)
- Paxson, F. L., assignor to P. L. Neel, Philadelphia, Pa. Clamp for spacing the bows of vehicle-tops apart. No. 896,317; Aug. 18; Sp. p. 3060; Dr. p. 659; Gaz. vol. 135; p. 1444.
- Paxton, J. B., and E. I. O'Neill, Philadelphia, Pa. Circular-knitting machine. No. 876,283; Jan. 7; Sp. p. 1168; Dr. p. 255; Gaz. vol. 132; p. 197.
- Payette Insulator Pin Company, Limited. (See Scharfhausen, W., assignor.)
- Payne, A. B. (See Crocker and Payne, assignors.)
- Payne, B. N. (See Young, J. T., assignor.)
- Payne, C., Cranbrook, England. Compound stud to be used in the construction of non-skidding bands and tires. No. 896,145; Aug. 18; Sp. p. 2708; Dr. p. 585; Gaz. vol. 135; p. 1387.
- Payne, C. E., Laquin, Pa. Device for grinding band-wheels. No. 899,896; Sept. 29; Sp. p. 5282; Dr. p. 1129; Gaz. vol. 136; p. 987.
- Payne, C. Q., Stamford, Conn., assignor to International Separator Company. Apparatus for magnetic separation. No. 901,368; Oct. 20; Sp. p. 2695; Dr. p. 554; Gaz. vol. 136; p. 1558.
- Payne, D. W., Minneapolis, Minn. Apparatus for tempering cream and other liquids. No. 878,997; Feb. 11; Sp. p. 2281; Dr. pp. 476-7; Gaz. vol. 132; p. 1242.
- Payne, E. E. M., Aylesbury, assignor of one-half to W. H. Staynes, J. H. Smith, and W. H. Sturges, Leicester, England. Tanning extract from peat. No. 899,800; Sept. 29; Sp. p. 5096; Gaz. vol. 136; p. 956.
- Payne, F. J., Portland, Ore. Current-motor. No. 880,912; Mar. 3; Sp. p. 871; Dr. p. 187; Gaz. vol. 133; p. 146.
- Payne, F. L. (See Cassidy and Payne.)
- Payne, G., London, England, and W. J. H. Payne, San Francisco, Cal. Imitation marble and granite. No. 880,753; Mar. 3; Sp. p. 535; Dr. p. 111; Gaz. vol. 133; p. 93.
- Payne, I. E., Rockefeller, Ill. Device for delivering mail. No. 889,634; June 2; Sp. p. 869; Dr. p. 199; Gaz. vol. 134; p. 1200.
- Payne, J. M., Phoenix, and G. G. Wallace, Girard, Ala. Cotton-warper. No. 904,719; Nov. 24; Sp. p. 4491; Gaz. vol. 137; p. 812.
- Payne, J. M., Phoenix, and G. G. Wallace, Girard, Ala., assignors of one-third to E. W. Swift and J. P. Kyle, Columbus, Ga. Dyeing-machine. No. 887,511; May 12; Sp. p. 2418; Dr. p. 510; Gaz. vol. 134; p. 415.
- Payne, J. S., assignor of one-fourth to R. C. and O. L. Moore, Mulvane, Kans. Railway switch and signal mechanism. No. 878,666; Feb. 11; Sp. p. 1656; Dr. p. 341; Gaz. vol. 132; p. 1138.
- Payne, J. W. (See Preble and Payne.)
- Payne, O. T. (See Patterson and Wiseman, assignors.)
- Payne, S. R. (See Brewer, R. B., assignor.)
- Payne, T. F., Pittsburg, Pa. Ball-valve for water-closets. No. 901,466; Oct. 20; Sp. p. 2937; Dr. p. 599; Gaz. vol. 136; p. 1593.
- Payne, T. F., Pittsburg, Pa. Flushing-valve. No. 901,467; Oct. 20; Sp. p. 2938; Dr. pp. 599-600; Gaz. vol. 136; p. 1593.
- Payne, T. P., et al. (See Lovett, J. S. H., assignor.)
- Payne, W. (See English, F., assignor.)
- Payne, W., Philadelphia, Pa. Thread-slackening device for looping-machines. No. 892,007; June 30; Sp. p. 5750; Dr. p. 1277; Gaz. vol. 134; p. 2100.

Alphabetical list of patentees—Continued.

- Payne, W. A., Cave City, Ky. Trousers-supporter. No. 892,446; July 7; Sp. p. 113; Dr. p. 25; Gaz. vol. 135; p. 23.
- Payne, W. J. H. (See Payne, G. and W. J. H.)
- Payson Manufacturing Company. (See O'Rourke, W. F., assignor.)
- Peabody, E. H. (See Parker and Peabody.)
- Peabody, E. H., New York, N. Y. Oil-burner for furnaces. No. 880,693; Mar. 3; Sp. p. 397; Dr. p. 86; Gaz. vol. 133; p. 71.
- Peabody, F. S., Utica, Minn. Swinging conveyer for band-cutters and feeders of threshers. No. 902,537; Oct. 27; Sp. p. 5203; Dr. p. 1051; Gaz. vol. 136; p. 1973.
- Peabody, J. A., Evanston, Ill. Apparatus for track-circuit control. No. 875,843; Jan. 7; Sp. p. 310; Dr. pp. 67-8; Gaz. vol. 132; p. 75.
- Peabody Leather Machinery Company. (See Norgrave, G. B., assignor.)
- Peabody Leather Machinery Company. (See Teel, F. H., assignor.)
- Peach, B. F., trustee. (See Porter, E. F., assignor.)
- Peache, J. C., assignor to Willams & Robinson, Limited, Rugby, England. Internal-combustion engine. No. 894,978; Aug. 4; Sp. p. 410; Dr. p. 83; Gaz. vol. 135; p. 960.
- Peacock, M. R., Oakland, Cal. Flexible joint for dredger-pipes. No. 875,844; Jan. 7; Sp. p. 311; Dr. p. 68; Gaz. vol. 132; p. 57.
- Peak, O. H., Parsons, Kans. Gun. No. 890,702; June 16; Sp. p. 3051; Dr. p. 670; Gaz. vol. 134; p. 1607.
- Pearce, C. (See Conger and Pearce.)
- Pearce, C. O., Cheneyville, La. Tire-setter. No. 883,666; Mar. 31; Sp. p. 6363; Dr. p. 1356; Gaz. vol. 133; p. 1160.
- Pearce, G., Pittsburg, Pa. Rail. No. 887,512; May 12; Sp. p. 2420; Dr. p. 510; Gaz. vol. 134; p. 416.
- Pearce, H., Salcombe, Bowdon, England. Pendulograph. No. 898,599; Sept. 15; Sp. p. 2735; Dr. p. 585; Gaz. vol. 136; p. 501.
- Pearce, H., Altrincham, assignor to Linotype and Machinery Limited, London, England. Magazine for linotype-machines. No. 880,568; Mar. 3; Sp. p. 157; Dr. pp. 34-5; Gaz. vol. 133; p. 30.
- Pearce, H. A. (See Helms, R. C., assignor.)
- Pearce, H. B., *et al.* (See Wallar, W. C., assignor.)
- Pearce, H. O., Linton, Ind. Coal-dumping cage. No. 894,528; July 28; Sp. p. 4484; Dr. p. 929; Gaz. vol. 135; p. 785.
- Pearce, H. V., Detroit, Mich. Return steam-trap. No. 902,321; Oct. 27; Sp. p. 4713; Dr. p. 954; Gaz. vol. 136; p. 1900.
- Pearce, J. G. and W. H., Oakland, assignors of one-third to T. J. Pearce, Berkeley, Cal. Electrical appliance for controlling air-brakes. No. 888,648; May 26; Sp. p. 4656; Dr. pp. 988-9; Gaz. vol. 134; p. 850.
- Pearce, L., assignor to D. Mulcahy, Fremantle, Western Australia, Australia. Sash-fastener. No. 887,690; May 12; Sp. p. 2742; Dr. p. 580; Gaz. vol. 134; p. 474.
- Pearce, N. H. (See Morgan, D. D., assignor.)
- Pearce, T. J. (See Pearce, J. G. and W. H., assignors.)
- Pearce, W. H. (See Pearce, J. G. and W. H.)
- Pearce, W. H., Chicago, Ill. Steam-heating system. No. 887,513; May 12; Sp. p. 2421; Dr. p. 510; Gaz. vol. 134; p. 416.
- Pearce, W. H., Chicago, Ill. Operating mechanism for radiator-valves, &c. No. 887,514; May 12; Sp. p. 2424; Dr. p. 511; Gaz. vol. 134; p. 416.
- Pearce, W. H., Chicago, Ill. Heat-distributing system. No. 891,855; June 30; Sp. p. 5448; Dr. p. 1178; Gaz. vol. 134; p. 2050.
- Pearce, W. L., Volta, Cal. Can-washer. No. 880,162; Feb. 25; Sp. p. 4694; Dr. p. 989; Gaz. vol. 132; p. 1697.
- Peard, J. J., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Indicator for firearms. No. 891,438; June 23; Sp. p. 4564; Dr. p. 993; Gaz. vol. 134; p. 1880.
- Pearl, E., Passaic, N. J. Buckle. No. 900,774; Oct. 13; Sp. p. 1500; Dr. p. 304; Gaz. vol. 136; p. 1330.
- Pearl, S., New York, N. Y. Safety-pin. No. 897,136; Aug. 25; Sp. p. 4762; Dr. p. 1014; Gaz. vol. 135; p. 1736.
- Pearl, S. S., Stehekin, Wash. Drag-saw guide. No. 876,226; Jan. 7; Sp. p. 1054; Dr. p. 227; Gaz. vol. 132; p. 178.
- Pearne, F. D., assignor to M. E. Swart, Chicago, Ill. Electric selective system. No. 894,044; July 21; Sp. p. 3484; Dr. p. 714; Gaz. vol. 135; p. 607.
- Pearshall, A. W., Lowell, Mass., assignor to Lamson Consolidated Store Service Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 894,045; July 21; Sp. p. 3492; Dr. p. 714; Gaz. vol. 135; p. 607.
- Pearshall, C. W., assignor of one-half to F. M. Michael, Binghamton, N. Y. Face-cooler. No. 879,580; Feb. 18; Sp. p. 3478; Dr. p. 729; Gaz. vol. 132; p. 1474.
- Pearshall, F. E. (See Friskey, A. W., assignor.)
- Pearshall, G. F. E., New York, N. Y. Border for pictures. No. 882,710; Mar. 24; Sp. p. 4407; Dr. p. 937; Gaz. vol. 133; p. 822.
- Pearshall, H., *et al.* (See Fields, J. W., assignor.)
- Pearshall, W., Neviges, assignor to C. Vorwerk, Barmen, Germany. Pile fabric. No. 907,397; Dec. 22; Sp. p. 4424; Gaz. vol. 137; p. 1814.
- Pearshall, W. B., Hampstead, London, England. Dental instrument. No. 882,711; Mar. 24; Sp. p. 4408; Dr. p. 937; Gaz. vol. 133; p. 822.
- Pearse, J. (See Taylor, H. H., assignor.)
- Pearse, N., London, England. Cotton-gin. No. 880,325; Feb. 25; Sp. p. 5014; Dr. p. 1058; Gaz. vol. 132; p. 1751.
- Pearson, A., Palmer, Mass. Wire-drawing machine. No. 889,330; June 2; Sp. p. 267; Dr. p. 17; Gaz. vol. 134; p. 1101.
- Pearson, B., *et al.* (See Merrill, J. J., assignor.)
- Pearson, B. F., Canyonville, Oreg. Blasting-fuse igniter. No. 881,714; Mar. 10; Sp. p. 2439; Dr. p. 524; Gaz. vol. 133; p. 434.
- Pearson, C., *et al.* (See Faughnder, R. H., assignor.)
- Pearson, C. E., assignor to C. H. Bates and J. H. Wellings, Lansing, Mich. Interrupter. No. 903,745; Nov. 10; Sp. p. 2414; Gaz. vol. 137; p. 424.
- Pearson, C. F., Chicago, Ill., assignor to Triumph Motor Car Company. Explosion-engine. No. 839,837; Feb. 18; Sp. p. 3998; Dr. p. 837; Gaz. vol. 132; p. 1558.
- Pearson, E. S., Bradford, Ohio. Self-loading cart. No. 878,890; Feb. 11; Sp. p. 2081; Dr. pp. 433-4; Gaz. vol. 132; p. 1209.
- Pearson, G. W. (See Pihl, C. J., assignor.)
- Pearson, J., Pawtucket, R. I. Spinning-ring. No. 906,155; Dec. 8; Sp. p. 2047; Gaz. vol. 137; p. 1350.
- Pearson, J., Somerset, Wis., assignor of one-half to J. F. Williamson and F. D. Merchant, Minneapolis, Minn. Lightning-arrester. No. 887,221; May 12; Sp. p. 1728; Dr. pp. 367-8; Gaz. vol. 134; p. 317.
- Pearson, J., Somerset, Wis., assignor of one-half to J. F. Williamson and F. D. Merchant, Minneapolis, Minn. Means for automatically controlling voltage and power factor of generators operating in multiple. No. 887,222; May 12; Sp. p. 1730; Dr. p. 368; Gaz. vol. 134; p. 317.
- Pearson, J., Somerset, Wis., assignor of one-half to J. F. Williamson and F. D. Merchant, Minneapolis, Minn. Water-wheel governor. No. 887,223; May 12; Sp. p. 1735; Dr. p. 368; Gaz. vol. 134; p. 318.
- Pearson, J. H., Bloomfield, Ind. Facing-block. No. 880,092; Feb. 25; Sp. p. 4548; Dr. p. 958; Gaz. vol. 132; p. 1673.
- Pearson, L. Z., Kearney, Mo. Feed-trough. No. 878,086; Feb. 4; Sp. p. 393; Dr. p. 82; Gaz. vol. 132; p. 912.
- Pearson, M., Robbinsdale, Minn. Nailing-tool. No. 876,086; Jan. 7; Sp. p. 788; Dr. p. 168; Gaz. vol. 132; p. 133.
- Pearson, M. M., Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. No. 883,905; Apr. 7; Sp. p. 477; Dr. p. 93; Gaz. vol. 133; p. 1268.
- Pearson, O., Chicago, Ill. Door check and lock. No. 906,920; Dec. 15; Sp. p. 3483; Gaz. vol. 137; p. 1621.
- Pearson, R. H., Mariner Harbor, N. Y., assignor to Travelers Insurance Company, Hartford, Conn. Clearance device for punch-presses. No. 899,131; Sept. 22; Sp. p. 3722; Dr. p. 797; Gaz. vol. 136; p. 702.
- Pearson, W. E., Swampscott, Mass. Reversible-explosive-rotary-engine unit. No. 901,554; Oct. 20; Sp. p. 3119; Dr. pp. 637-8; Gaz. vol. 136; p. 1621.
- Pearson, W. J., Winchester, Oreg. Gate-hinge. No. 880,036; Feb. 25; Sp. p. 4453; Dr. p. 934; Gaz. vol. 132; p. 1656.
- Pearson, W. J., Winchester, Oreg. Water-wheel. No. 884,202; Apr. 7; Sp. p. 1112; Dr. p. 233; Gaz. vol. 133; p. 1365.
- Pease, C. F., Chicago, Ill., assignor of one-half to Williams, Brown & Earle, Philadelphia, Pa. Blue-print washing and drying machine. No. 891,289; June 23; Sp. p. 4253; Dr. p. 931; Gaz. vol. 134; p. 1831.
- Pease, E. R. (See Dolson and Pease.)
- Pease, F. B., Rochester, N. Y. Fruit-sorting machine. No. 898,600; Sept. 15; Sp. p. 2737; Dr. p. 585; Gaz. vol. 136; p. 502.
- Pease, J. G., New York, N. Y. Coat-collar retainer. No. 891,002; June 16; Sp. p. 3695; Dr. p. 805; Gaz. vol. 134; p. 1706.
- Pease, R. S., Allegheny, Pa. Railway-tie. No. 892,762; July 7; Sp. p. 721; Dr. p. 153; Gaz. vol. 135; p. 125.
- Pease, R. S., Allegheny, assignor to A. M. Lee, trustee, Pittsburg, Pa. Drawing glass. No. 890,869; June 16; Sp. p. 3402; Dr. p. 746; Gaz. vol. 134; p. 1662.
- Pease, W. C., assignor of one-half to L. V. Rood, Marietta, Ohio. Churn. No. 897,481; Sept. 1; Sp. p. 487; Dr. p. 104; Gaz. vol. 136; p. 78.
- Peat, J. (See Bray and Peat.)
- Pecht, W. W. (See Lippy, D., assignor.)
- Peck, A. P., Milwaukee, Wis., assignor to Bullock Electric Manufacturing Company. Commutator neck or lead. No. 903,881; Nov. 17; Sp. p. 2726; Gaz. vol. 137; p. 503.
- Peck Bros. & Co. (See Newton, W. G., assignor.)
- Peck, C. C., Rochester, N. Y. Drainage-valve. No. 883,337; Mar. 31; Sp. p. 5667; Dr. p. 1210; Gaz. vol. 133; p. 1056.
- Peck, C. D., Bellevue, Pa. Milling-cutter. No. 903,496; Nov. 10; Sp. p. 1927; Gaz. vol. 137; p. 347.
- Peck, C. E., New York, N. Y. Music-sheet. No. 881,337; Mar. 10; Sp. p. 1682; Dr. pp. 362-3; Gaz. vol. 133; p. 313.

Alphabetical list of patentees—Continued.

- Peck, E. C., assignor to Cleveland Twist Drill Company, Cleveland, Ohio. Arbor for shell-tools. No. 906,656; Dec. 15; Sp. p. 2972; Gaz. vol. 137; p. 1536.
- Peck, F. H., North Amherst, Ohio. Device for holding milk-pails. No. 906,273; Dec. 8; Sp. p. 2271; Gaz. vol. 137; p. 1390.
- Peck, I. H., assignor of one-half to F. S. Slaughter, Derby, Conn. Skirt-marker. No. 881,484; Mar. 10; Sp. p. 1984; Dr. p. 432; Gaz. vol. 133; p. 360.
- Peck, I. H., and W. D. Haggerty, Derby, Conn. Automatic trap. No. 897,554; Sept. 1; Sp. p. 646; Dr. p. 135; Gaz. vol. 136; p. 101.
- Peck, J. A., *et al.* (See Swain, H. J., assignor.)
- Peck, J. S., Manchester, England, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburg, Pa. Load-equalizer for electric circuits. No. 894,979; Aug. 4; Sp. p. 411; Dr. p. 83; Gaz. vol. 135; p. 961.
- Peck, P. C. (See Ladoff, I., assignor.)
- Peck, P. F., Chicago, Ill. Centrifugal ore-separator. No. 879,893; Feb. 25; Sp. p. 4139; Dr. pp. 867-8; Gaz. vol. 132; p. 1608.
- Peck, P. F., Chicago, Ill. Centrifugal ore-separator. No. 879,894; Feb. 25; Sp. p. 4153; Dr. pp. 868-9; Gaz. vol. 132; p. 1609.
- Peck, P. F., Chicago, Ill. Centrifugal separator. No. 887,841; May 19; Sp. p. 3070; Dr. p. 645; Gaz. vol. 134; p. 554.
- Peck, Stow & Wilcox Company. (See Ellrich, R. C., assignor.)
- Peck, Stow & Wilcox Company. (See Whitney, P. A., assignor.)
- Peckham, E., assignor to M. J. Peckham, London, England. Car-truck. No. 894,342; July 28; Sp. p. 4113; Dr. p. 849; Gaz. vol. 135; p. 725.
- Peckham, E., assignor to M. J. Peckham, London, England. Suspension of railway and tramway vehicle trucks. No. 904,720; Nov. 24; Sp. p. 4492; Gaz. vol. 137; p. 813.
- Peckham, E., Westminster, assignor to M. J. Peckham London, England. Truck for railway and tramway vehicles. No. 905,354; Dec. 1; Sp. p. 452; Gaz. vol. 137; p. 1059.
- Peckham, E., Westminster, London, England, assignor to C. H. Duell, trustee, New York, N. Y. Bearing. No. 905,355; Dec. 1; Sp. p. 456; Gaz. vol. 137; p. 1060.
- Peckham, E., Westminster, London, England, assignor to C. H. Duell, trustee, New York, N. Y. Dust-guard. No. 905,356; Dec. 1; Sp. p. 457; Gaz. vol. 137; p. 1060.
- Peckham, G. G. G. (See Law, L. L., assignor.)
- Peckham, M. J. (See Peckham, E., assignor.)
- Peckham, O. P., River Rouge, Mich. Hatch-fastening device. No. 904,275; Nov. 17; Sp. p. 3563; Gaz. vol. 137; p. 637.
- Pecor, F. F., Oconto, assignor of one-half to E. Sauld, Mountain, Wis. Clothes-pin. No. 883,667; Mar. 31; Sp. p. 6365; Dr. p. 1357; Gaz. vol. 133; p. 1161.
- Peddle, G. H. (See Wolfe and Peddle.)
- Pedersen, C., assignor to Landis Machine Company, St. Louis, Mo. Heating apparatus for wax-thread sewing-machines. No. 895,496; Aug. 11; Sp. p. 1449; Dr. p. 304; Gaz. vol. 135; p. 1157.
- Pedersen, C., assignor to Landis Machine Company, St. Louis, Mo. Thread-measuring mechanism for sewing-machines. No. 898,776; Sept. 15; Sp. p. 3075; Dr. p. 658; Gaz. vol. 136; p. 558.
- Pedersen, H. C., New York, N. Y. Cigarette-case. No. 890,703; June 16; Sp. p. 3058; Dr. p. 670; Gaz. vol. 134; p. 1607.
- Pedersen, L. E., Stockton, Cal. Wire-tightener. No. 903,763; Nov. 10; Sp. p. 2452; Gaz. vol. 137; p. 429.
- Pedersen, P. O., and V. Poulsen, Copenhagen, Denmark, assignors to American Telegraph Company. Electromagnet for telegraphophones. No. 900,304; Oct. 6; Sp. p. 492; Dr. p. 103; Gaz. vol. 136; p. 1150.
- Pederson, C. S., Grantsburg, Wis. Wrench. No. 884,203; Apr. 7; Sp. p. 1114; Dr. p. 233; Gaz. vol. 133; p. 1366.
- Pederson, R., Parkersburg, Iowa. Wagon-loading device. No. 898,501; Sept. 15; Sp. p. 2540; Dr. pp. 544-5; Gaz. vol. 136; p. 470.
- Pedigo, L. T., Greensburg, Kans. Grapple. No. 882,796; Mar. 24; Sp. p. 4575; Dr. p. 976; Gaz. vol. 133; p. 849.
- Pedler, G., Chicago, Ill. Reed-organ action. No. 893,362; July 14; Sp. p. 1956; Dr. p. 411; Gaz. vol. 135; p. 352.
- Péducashe, B., Lyon, France. Brake-lock for bicycles. No. 897,926; Sept. 8; Sp. p. 1419; Dr. pp. 302-3; Gaz. vol. 136; p. 255.
- Peek, F. W., Jr., Schenectady, N. Y., assignor to General Electric Company. Operating direct-current generators in multiple. No. 905,746; Dec. 1; Sp. p. 1252; Gaz. vol. 137; p. 1187.
- Peek, J. S., Kerrville, Tex. Car-mover. No. 891,856; June 30; Sp. p. 5453; Dr. p. 1179; Gaz. vol. 134; p. 2051.
- Peek, J. S., assignor of one-half to J. H. Holliman, Kerrville, Tex. Insect-destroyer. No. 879,838; Feb. 18; Sp. p. 3999; Dr. p. 837; Gaz. vol. 132; p. 1558.
- Peek, W. A. (See Merrifield and Peek.)
- Peeples, A. D., Kansas City, Mo. Ice-card holder. No. 885,282; Apr. 21; Sp. p. 3325; Dr. p. 694; Gaz. vol. 133; p. 1778.
- Peerless Electric Company. (See Lipps, E. C., assignor.)
- Peerless Electric Company. (See McBerty, F. P., assignor.)
- Peerless Husker Company. See Sells, (W. H., assignor.)
- Peerless Machinery Company. (See Glass and Bean, assignors.)
- Peerless Motor Car Company. (See Schmidt, C., assignor.)
- Peerless Novelty Company. (See Kershaw, F. N., assignor.)
- Peerless Promoting and Manufacturing Company. (See Shive, C. A., assignor.)
- Peerstone, E. D., Chicago, Ill. Trolley. No. 889,715; June 2; Sp. p. 1035; Dr. pp. 239-40; Gaz. vol. 134; p. 1225.
- Peez, C. von, Vienna, Austria-Hungary. Electric indicator. No. 906,274; Dec. 8; Sp. p. 2271; Gaz. vol. 137; p. 1390.
- Pegram, C. V. (See Dempster, J. E., assignor.)
- Pehrman, O., Stenbäcker, Sweden. Ice-velocipede. No. 899,132; Sept. 22; Sp. p. 3723; Dr. p. 797; Gaz. vol. 136; p. 702.
- Peickert, R. E., Dumont, Minn. Penholder. No. 884,849; Apr. 12; Sp. p. 2440; Dr. p. 512; Gaz. vol. 133; p. 1608.
- Peil, J., Bloomer, Wis. Insect-destroying machine. No. 877,117; Jan. 21; Sp. p. 2942; Dr. pp. 636-7; Gaz. vol. 132; p. 547.
- Fein, E. J., Von, assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 885,550; Apr. 21; Sp. p. 3874; Dr. pp. 810-11; Gaz. vol. 133; p. 1863.
- Fein, H., Jersey City, N. J. Apparatus for carbonating liquids. No. 906,555; Dec. 15; Sp. p. 2790; Gaz. vol. 137; p. 1506.
- Peirce, J. R., assignor to Royden Marble Machinery Company, New York, N. Y. Machine for working marble or the like. No. 885,283; Apr. 21; Sp. p. 3326; Dr. p. 695; Gaz. vol. 133; p. 1779.
- Fein, H., Jersey City, N. J., assignor, by mesne assignments, to Aerating Machine Manufacturing Company. Carbonating apparatus. No. 906,062; Dec. 8; Sp. p. 1865; Gaz. vol. 137; p. 1320.
- Fein, H., Jersey City, N. J., assignor, by mesne assignments, to Aerating Machine Manufacturing Company. Vending device for liquids. No. 906,554; Dec. 15; Sp. p. 2787; Gaz. vol. 137; p. 1506.
- Fein, W., Chicago, Ill. Binder for books, journals, paper, music, &c. No. 899,066; Sept. 22; Sp. p. 3595; Dr. p. 770; Gaz. vol. 136; p. 679.
- Feine, A. G., Chicago, Ill. Trousers. No. 890,792; June 16; Sp. p. 3262; Dr. p. 714; Gaz. vol. 134; p. 1638.
- Peirano, A., and W. Greenwood, Wilson, Kans. Grain-car door. No. 877,593; Jan. 28; Sp. p. 3927; Dr. p. 849; Gaz. vol. 132; p. 724.
- Peirce, C. L., Jr., Elkhart, Ind., assignor to Peirce Specialty Company, Chicago, Ill. Insulator-support. No. 883,823; Apr. 7; Sp. p. 299; Dr. p. 56; Gaz. vol. 133; p. 1240.
- Peirce, E. B., Lowell, Mass. Wall-bed. No. 896,239; Aug. 18; Sp. p. 2888; Dr. pp. 623-4; Gaz. vol. 135; p. 1419.
- Peirce, I., Tazewell, Va. Carbide-feeder for acetylene-generators. No. 891,094; June 16; Sp. p. 3854; Dr. p. 842; Gaz. vol. 134; p. 1735.
- Peirce, J. R., assignor to Royden Marble Machinery Company, New York, N. Y. Stone-cutting machine. No. 876,087; Jan. 7; Sp. p. 790; Dr. p. 168; Gaz. vol. 132; p. 134.
- Peirce, J. R., assignor to Royden Marble Machinery Company, New York, N. Y. Clamp. No. 885,949; Apr. 28; Sp. p. 4709; Dr. p. 990; Gaz. vol. 133; p. 2024.
- Peirce, J. R., assignor to Royden Marble Machinery Company, New York, N. Y. Cut-off machine for marble slabs or the like. No. 888,732; May 26; Sp. p. 4824; Dr. pp. 1029-30; Gaz. vol. 134; p. 876.
- Peirce, J. R., assignor to Royden Marble Machinery Company, New York, N. Y. Marble-sawing machine. No. 894,046; July 21; Sp. p. 3493; Dr. p. 715; Gaz. vol. 135; p. 607.
- Peirce, J. R., New York, N. Y., assignor to Royden Marble Machinery Company. Coping-machine. No. 897,303; Sept. 1; Sp. p. 62; Dr. pp. 15-16; Gaz. vol. 136; p. 14.
- Peirce, R. S., Chicago, Ill. Fastening device for masonry. No. 877,118; Jan. 21; Sp. p. 2946; Dr. p. 637; Gaz. vol. 132; p. 547.
- Peirce Specialty Company. (See Peirce, C. L., Jr., assignor.)
- Pejchar, J., Cincinnati, Ohio. Cuff-button. No. 890,872; June 16; Sp. p. 3405; Dr. p. 746; Gaz. vol. 134; p. 1663.
- Peikat, C., Chicago, Ill. Grate. No. 883,046; Mar. 24; Sp. p. 5073; Dr. pp. 1082-3; Gaz. vol. 133; p. 931.
- Pelham, J. H., Scranton, Miss. Fire-kindler. No. 876,227; Jan. 7; Sp. p. 1055; Dr. p. 228; Gaz. vol. 132; p. 178.
- Pell, J. L. E., and E. L. C. Clark, Great Barrington, Mass. Game apparatus. No. 878,309; Feb. 4; Sp. p. 854; Dr. p. 169; Gaz. vol. 132; p. 985.
- Pellarin, P., Detroit, Mich. Laying mosaic, granolithic, and similar floors. No. 898,001; Sept. 8; Sp. p. 1573; Dr. p. 335; Gaz. vol. 136; p. 279.
- Pelletier, J. A. (See Lovering and Pelletier.)
- Pellow, C. E., and D. W. Whipple, New York, N. Y., assignors to Columbia Process Company. Chemical process. No. 884,756; Apr. 14; Sp. p. 2240; Gaz. vol. 133; p. 1576.
- Pellow, N., Grand Rapids, Mich. Key-guard. No. 899,801; Sept. 29; Sp. p. 5097; Dr. p. 1090; Gaz. vol. 136; p. 956.

Alphabetical list of patentees—Continued.

- Peltason, L. H., St. Louis, Mo. Carton. No. 906,818; Dec. 15; Sp. p. 3286; Gaz. vol. 37; p. 1589.
- Pelton, C. H., assignor to Thomas Manufacturing Company, Springfield, Ohio. Draft mechanism for seeding-machines. No. 879,116; Feb. 11; Sp. p. 2527; Dr. p. 525; Gaz. vol. 132; p. 1280.
- Pelton, C. H., assignor to Thomas Manufacturing Company, Springfield, Ohio. Disk drill. No. 885,080; Apr. 21; Sp. p. 2879; Dr. p. 611; Gaz. vol. 133; p. 1711.
- Pelz, A. (See Mally and Pelz.)
- Pembroke, C. J., Rochester, N. Y. Vehicle-frame. No. 901,735; Oct. 20; Sp. p. 3520; Dr. p. 712; Gaz. vol. 136; p. 1682.
- Pembroke, M., Montpelier, Vt. Stone-polishing wheel. No. 900,947; Oct. 13; Sp. p. 1870; Dr. p. 381; Gaz. vol. 136; p. 1386.
- Penberthy Injector Co. (See McCoy, E., assignor.)
- Penberthy Injector Company. (See Sweeney, P. J., assignor.)
- Pence, I. W., *et al.* (See Conley, C. M., assignor.)
- Pence, I. W., *et al.* (See Robinson and Gritner, assignors.)
- Pence, W. B. (See Wheelock and Pence.)
- Pendergast, T., Lancaster, Pa. Bung-bushing. No. 888,922; May 26; Sp. p. 5252; Dr. p. 1114; Gaz. vol. 134; p. 940.
- Pendlebury, J. T., Manchester, England. Watch. No. 899,897; Sept. 29; Sp. p. 5284; Dr. p. 1130; Gaz. vol. 136; p. 987.
- Pendleton, G. H., Busch, Okla. Tanning. No. 876,583; Jan. 14; Sp. p. 1837; Gaz. vol. 132; p. 331.
- Pendleton, J. H. (See Edmunds and Pendleton.)
- Pendleton, L., Stanardsville, Va. Horseshoeing-stall. No. 877,947; Feb. 4; Sp. p. 103; Dr. p. 24; Gaz. vol. 132; p. 866.
- Pendleton, W. B., *et al.* (See Staples, R. E., assignor.)
- Penfound, A. L., Toronto, Ontario, Canada. Awning. No. 897,775; Sept. 1; Sp. p. 1085; Dr. pp. 232-3; Gaz. vol. 136; p. 173.
- Pennington, F. E., Toledo, Ill. Rotary engine. No. 878,998; Feb. 11; Sp. p. 2284; Dr. p. 477; Gaz. vol. 132; p. 1243.
- Penland, M. O., assignor of one-half to H. A. Wehrly, New Paris, Ohio. Garment-hanger. No. 902,680; Nov. 3; Sp. p. 289; Gaz. vol. 137; p. 50.
- Penn, F. R., West Jefferson, Ohio. Wagon-bed. No. 878,667; Feb. 11; Sp. p. 1660; Dr. p. 341; Gaz. vol. 132; p. 1139.
- Penn, O., Pittsburg, Pa. Emergency-valve. No. 904,985; Nov. 24; Sp. p. 5054; Gaz. vol. 137; p. 901.
- Penn Railroad Tie Company. (See Bonzano, M. F., assignor.)
- Pennell, C. L., assignor of one-half to C. Wagner, Canal Dover, Ohio. Ore-car. No. 881,146; Mar. 10; Sp. p. 130; Dr. pp. 82-3; Gaz. vol. 133; p. 252.
- Pennepacker, H. W., assignor to Fort Pitt Bedding Company, Allegheny, Pa. Bed-spring. (Reissue.) No. 12,768; Mar. 24; Sp. p. 5313; Dr. pp. 1133-4; Gaz. vol. 133; p. 970.
- Penney, H. E., assignor to Nott Fire Engine Company, Minneapolis, Minn. Marine boiler. No. 882,959; Mar. 24; Sp. p. 4919; Dr. p. 1043; Gaz. vol. 133; p. 900.
- Penney, H. E., assignor to Nott Fire Engine Company, Minneapolis, Minn. Steam-generator. No. 883,229; Mar. 31; Sp. p. 5465; Dr. p. 1164; Gaz. vol. 133; p. 1022.
- Penniman, W. B. D., Baltimore, Md. Valve-controlling apparatus. No. 902,600; Nov. 3; Sp. p. 137; Gaz. vol. 137; p. 23.
- Pennington, E. J., Cleveland, Ohio. Launching and trial apparatus for aerial craft. No. 893,647; July 21; Sp. p. 2586; Dr. p. 539; Gaz. vol. 135; p. 474.
- Pennink, J. M. K., Amsterdam, Netherlands. Sand-filter. No. 895,296; Aug. 4; Sp. p. 1066; Dr. p. 223; Gaz. vol. 135; p. 1096.
- Pennsylvania Gas Globe Light Company. (See Slinack, V. H., assignor.)
- Pennsylvania Steel Company. (See Aiden and Wightman, assignors.)
- Pennsylvania Steel Company. (See Carney, F. D., assignor.)
- Pennsylvania Steel Company. (See Henderson, W. M., assignor.)
- Penrose, E. (See O'Leary, J., assignor.)
- Pensis, J., Speers, Pa. Trolley-harp. No. 904,359; Nov. 17; Sp. p. 3743; Gaz. vol. 137; p. 666.
- Pentecost, J. T., Enley, Ala. Framing or measuring instrument. No. 885,284; Apr. 21; Sp. p. 3328; Dr. p. 695; Gaz. vol. 133; p. 1779.
- Penton, H., Detroit, Mich., assignor of one-half to W. I. Babcock, New York, N. Y. Steering-gear for ships. No. 884,292; Apr. 7; Sp. p. 1262; Dr. p. 265; Gaz. vol. 133; p. 1394.
- Penwell, O. E., Mountain Home, Idaho. Scraper and grader. No. 881,027; Mar. 3; Sp. p. 1073; Dr. p. 233; Gaz. vol. 133; p. 183.
- Pépin, D., Sr., Montreal, Quebec, Canada. Apparatus for examining submerged bodies. No. 881,148; Mar. 10; Sp. p. 1313; Dr. p. 283; Gaz. vol. 133; p. 253.
- Pepper, C. L., Indianapolis, Ind. Curing or vulcanizing rubber goods. No. 882,341; Mar. 17; Sp. p. 3707; Dr. p. 788; Gaz. vol. 133; p. 668.
- Pepper, J. E., Rome, N. Y. Artificial bait. No. 885,861; Apr. 28; Sp. p. 4513; Dr. p. 947; Gaz. vol. 133; p. 1994.
- Pepper, O., San Francisco, Cal. Motor. No. 896,572; Aug. 18; Sp. p. 3568; Dr. p. 767; Gaz. vol. 135; p. 1527.
- Pepper, W. A., Joliet, Ill. Manifolding account-book. No. 907,640; Dec. 22; Sp. p. 4962; Gaz. vol. 137; p. 1894.
- Pepperell Card & Paper Company. (See Morrow, J. B., assignor.)
- Peppier, N. H., New York, N. Y. Velocipede. No. 895,675; Aug. 11; Sp. p. 1796; Dr. pp. 382-3; Gaz. vol. 135; p. 1215.
- Percival, B., Balham, London, England. Winch or the like for use with cords or ropes subject to tension. No. 889,961; June 9; Sp. p. 1525; Dr. pp. 344-5; Gaz. vol. 134; p. 1330.
- Percival, H. E., assignor to Percival Wood-Preserving Company, Incorporated, Houston, Tex. Wood-preserving compound. No. 891,726; June 23; Sp. p. 5169; Gaz. vol. 134; p. 1975.
- Percival, S., North Pender Island, British Columbia, Canada. Poultry-roost. No. 876,833; Jan. 14; Sp. p. 2319; Dr. p. 510; Gaz. vol. 132; p. 410.
- Percival, S., North Pender Island, British Columbia, Canada. Package-tie. No. 880,241; Feb. 25; Sp. p. 4859; Dr. p. 1028; Gaz. vol. 132; p. 1724.
- Percival Wood-Preserving Company. (See Percival, H. E., assignor.)
- Percy, L. H., Philadelphia, Pa. Washboard. No. 906,270; Dec. 8; Sp. p. 2266; Gaz. vol. 137; p. 1389.
- Perdue, B. M., Franklin, Ky. Vehicle-thill support. No. 877,449; Jan. 21; Sp. p. 3607; Dr. p. 781; Gaz. vol. 132; p. 656.
- Perdue, B. M., Franklin, Ky. Buggy-shaft support. No. 903,764; Nov. 10; Sp. p. 2453; Gaz. vol. 137; p. 429.
- Peregrine, S. W., Portland, Me. Apparatus for carbureting air. No. 906,275; Dec. 8; Sp. p. 2273; Gaz. vol. 137; p. 1391.
- Peregrine, S. W., Portland, Me. Carbureting plant. No. 906,276; Dec. 8; Sp. p. 2274; Gaz. vol. 137; p. 1391.
- Peres, A. J., Pittsburg, Pa. Vise. No. 876,228; Jan. 7; Sp. p. 1057; Dr. p. 228; Gaz. vol. 132; p. 178.
- Peres, C., Lebo, Kans. Draft-equalizer. No. 881,715; Mar. 10; Sp. p. 2441; Dr. p. 525; Gaz. vol. 133; p. 435.
- Pereyra, E. S. H., Brooklyn, N. Y. Automobile. No. 893,867; July 21; Sp. p. 3115; Dr. p. 638; Gaz. vol. 135; p. 548.
- Peretmère, J. (See Blachon and Peretmère.)
- Perez, M., Chicago, Ill. Bottle-seal. No. 881,945; Mar. 17; Sp. p. 2924; Dr. p. 624; Gaz. vol. 133; p. 540.
- Perez, M., Chicago, Ill. Non-refillable bottle. No. 881,946; Mar. 17; Sp. p. 2926; Dr. p. 624; Gaz. vol. 133; p. 540.
- Perfect, E. M., assignor of one-half to S. M. Braden, Marianna, Ark. Game apparatus. No. 888,350; May 19; Sp. p. 4033; Dr. p. 850; Gaz. vol. 134; p. 718.
- Perfect Shoe Stretcher Company. (See Stivers, J. O., assignor.) (Reissue.)
- Perfection Churn Company. (See Kaplan, G. J., assignor.)
- Perfection Grate Company. (See Ridlon, F. W., assignor.)
- Perfection Manufacturing Company. (See Eberle, J. A., assignor.)
- Perfection Spring Company. (See McIntyre, M. M., assignor.)
- Perham, C. F., Lowell, Mass. Picking mechanism for looms. No. 876,011; Jan. 7; Sp. p. 633; Dr. p. 135; Gaz. vol. 132; p. 110.
- Perham, J. C., Glenville township, Schenectady county, N. Y., assignor to General Electric Company. Blue-printing machine. No. 897,482; Sept. 1; Sp. p. 489; Dr. p. 104; Gaz. vol. 136; p. 78.
- Péris, O. E., Oakland, Cal. Ventilated fruit-crate. No. 883,907; Apr. 7; Sp. p. 480; Dr. p. 94; Gaz. vol. 133; p. 1269.
- Périsard, J. E., Geneva, Switzerland. Motor-wheel for cycles. No. 904,721; Nov. 24; Sp. p. 4494; Gaz. vol. 137; p. 813.
- Peris, A., Westwood, N. J. Perch for fowls. No. 889,039; May 26; Sp. p. 5462; Dr. p. 1161; Gaz. vol. 134; p. 976.
- Perkins, C. E., *et al.* (See Perkins, H. J., assignor.)
- Perkins, C. E., assignor to Perkins Corporation, Hartford, Conn. Electric switch. No. 876,910; Jan. 14; Sp. p. 2479; Dr. p. 542; Gaz. vol. 132; p. 437.
- Perkins Corporation. (See Crandall, N. W., assignor.)
- Perkins Corporation. (See Perkins, C. E., assignor.)
- Perkins, E. E., Beaver Bay, Minn. Sexual armor. No. 875,845; Jan. 7; Sp. p. 314; Dr. pp. 68-9; Gaz. vol. 132; p. 58.
- Perkins Electric Switch Manufacturing Company. (See Goodridge, G. W., assignor.)
- Perkins Electric Switch Manufacturing Company. (See Goodridge and Thomas, assignors.)
- Perkins Electric Switch Mfg. Company. (See Mann, W. G., assignor.)
- Perkins Electric Switch Mfg. Company. (See Moulthrop, T. H., assignor.)
- Perkins Electric Switch Mfg. Company. (See Thomas, G. B., assignor.)
- Perkins, F. C., assignor of one-half to F. E. Finsterbach, Buffalo, N. Y. Vulcanizer. No. 906,556; Dec. 15; Sp. p. 2792; Gaz. vol. 137; p. 1507.
- Perkins, F. G., Bayonne, N. J. Game-board. No. 895,786; Aug. 11; Sp. p. 2039; Dr. p. 433; Gaz. vol. 135; p. 1251.

Alphabetical list of patentees—Continued.

- Perkins, F. J., and J. W. Smith, Woburn, Mass. Machine for treating hides, skins, and leather. No. 887,121; May 12; Sp. p. 1556; Dr. pp. 329-30; Gaz. vol. 134; p. 286.
- Perkins, F. L., *et al.* (See Perkins, H. J., assignor.)
- Perkins, H., *et al.* (See Richardson, R. K., assignor.)
- Perkins, H. J., assignor of two-thirds to F. L. and C. E. Perkins, Grand Rapids, Mich. Propeller-wheel. No. 885,174; Apr. 21; Sp. p. 3104; Dr. p. 654; Gaz. vol. 133; p. 1742.
- Perkins, J. A., Omaha, Nebr., assignor, by mesne assignments, to United States Roller Bearing Company, Jersey City, N. J. Roller-bearing. No. 900,199; Oct. 6; Sp. p. 266; Dr. pp. 53-4; Gaz. vol. 136; p. 1115.
- Perkins, J. A. and O. J., Salem, Mass. Shuttle for looms. No. 882,267; Mar. 17; Sp. p. 3571; Dr. p. 757; Gaz. vol. 133; p. 643.
- Perkins, J. C. (See Bellamy, F. H., assignor.)
- Perkins, J. H. (See Berry, B. W., assignor.)
- Perkins, J. L., Springfield, Mass. Heat-radiating device. No. 881,147; Mar. 10; Sp. p. 1311; Dr. p. 283; Gaz. vol. 133; p. 253.
- Perkins, J. N., assignor of one-half to L. B. Grasberger, Richmond, Va. Attachment for molders' flasks. No. 881,823; Mar. 10; Sp. p. 2640; Dr. p. 566; Gaz. vol. 133; p. 470.
- Perkins, K. A., Brownwood, Tex. Umbrella-holder. No. 890,921; June 16; Sp. p. 3508; Dr. p. 768; Gaz. vol. 134; p. 1678.
- Perkins, L. N., John Day, Oreg. Hopple. No. 892,546; July 7; Sp. p. 297; Dr. p. 65; Gaz. vol. 135; p. 56.
- Perkins, M. P., *et al.* (See Stokes, H., assignor.)
- Perkins, O. J. (See Perkins, J. A. and O. J.)
- Perkins, O. S., deceased, Newbern, N. C.; A. D. Ward, executor. Combination toy and educational block. No. 897,137; Aug. 25; Sp. p. 4763; Dr. p. 1014; Gaz. vol. 135; p. 1737.
- Perkins, W. A., Chicago, Ill. Wire-bending machine. No. 905,917; Dec. 8; Sp. p. 1594; Gaz. vol. 137; p. 1275.
- Perkins, W. H., assignor to Waterbury Mfg. Co., Waterbury, Conn. Powder-box top. No. 886,632; May 5; Sp. p. 574; Dr. p. 120; Gaz. vol. 134; p. 101.
- Perkins, W. H., assignor to Waterbury Mfg. Co., Waterbury, Conn. Powder-box top. No. 888,733; May 26; Sp. p. 4827; Dr. p. 1030; Gaz. vol. 134; p. 876.
- Perkins, W. H., assignor to Waterbury Mfg. Co., Waterbury, Conn. Shade-holder. No. 903,497; Nov. 10; Sp. p. 1928; Gaz. vol. 137; p. 347.
- Perkins, W. H., Cheshire, assignor to Waterbury Mfg. Co., Waterbury, Conn. Shade-holder. No. 903,498; Nov. 10; Sp. p. 1929; Gaz. vol. 137; p. 347.
- Perkins, W. J., Philadelphia, Pa. Partition-wall. No. 905,096; Nov. 24; Sp. p. 5269; Gaz. vol. 137; p. 938.
- Perkins, W. W., Norwood, Ohio. Buffer mechanism. No. 902,601; Nov. 3; Sp. p. 145; Gaz. vol. 137; p. 24.
- Perkinson, W. L., Louisville, Ky. Door-check. No. 896,146; Aug. 18; Sp. p. 2711; Dr. p. 585; Gaz. vol. 135; p. 1387.
- Perks, A. J., assignor to Webster and Perks Tool Company, Springfield, Ohio. Straight-edge. No. 887,515; May 12; Sp. p. 2427; Dr. p. 511; Gaz. vol. 134; p. 417.
- Perks, A. J., assignor to Webster and Perks Tool Company, Springfield, Ohio. Straight-edge. No. 905,357; Dec. 1; Sp. p. 460; Gaz. vol. 137; p. 1060.
- Perky, H. D., deceased, Glencoe, Md.; L. Sparks, administrator. Machine for manufacturing cereal biscuit. No. 878,154; Feb. 4; Sp. p. 512; Dr. p. 109; Gaz. vol. 132; p. 934.
- Perky, H. D., deceased, L. Sparks, administrator, assignor to Shredded Wheat Company, Niagara Falls, N. Y. Apparatus for continuous cooking. No. 898,777; Sept. 15; Sp. p. 3077; Dr. pp. 658-9; Gaz. vol. 136; p. 559.
- Perlich, A., Laubergast, near Dresden, Germany. Jar, pot, or vessel for containing or keeping perishable products. No. 902,166; Oct. 27; Sp. p. 4387; Dr. p. 888; Gaz. vol. 136; p. 1850.
- Permutation Lock and Novelty Manufacturing Company. (See Quaintance, E. E., assignor.)
- Pernat, J., Cleveland, Ohio. Automatic railway-gate. No. 882,342; Mar. 17; Sp. p. 3709; Dr. pp. 788-9; Gaz. vol. 133; p. 668.
- Pernat, J., and J. Kerkowitz, Cleveland, Ohio. Electric safety-signal for railways. No. 892,882; July 7; Sp. p. 989; Dr. pp. 206-7; Gaz. vol. 134; p. 165.
- Perrault, J. E., Waltham, Mass., assignor to Judson L. Thomson M'fg. Co. Machine for setting rivets. No. 879,895; Feb. 25; Sp. p. 4167; Dr. pp. 869-70; Gaz. vol. 132; p. 1609.
- Perrault, J. E., Waltham, Mass., assignor to Judson L. Thomson M'fg. Co. Machine for setting rivets. No. 879,896; Feb. 25; Sp. p. 4170; Dr. pp. 870-1; Gaz. vol. 132; p. 1610.
- Perrault, J. E., Waltham, Mass., assignor to American Lacing Hook Co. Lacing-hook-setting machine. No. 899,067; Sept. 22; Sp. p. 3596; Dr. p. 770; Gaz. vol. 136; p. 680.
- Perrilliat, A., New Orleans, La. Necktie-frame. No. 907,398; Dec. 22; Sp. p. 4425; Gaz. vol. 137; p. 1814.
- Perrin, F. S., New York, N. Y. Speed-limiting device for electrically-ignited explosive-engines. No. 880,093; Feb. 25; Sp. p. 4549; Dr. p. 958; Gaz. vol. 132; p. 1673.
- Perrin, M. A., Villeurbanne, France. Jacquard mechanism. No. 900,948; Oct. 13; Sp. p. 1871; Dr. p. 381; Gaz. vol. 136; p. 1387.
- Perrin, W. H., New Liskeard, Ontario, Canada. Shocking attachment for binders. No. 886,326; Apr. 28; Sp. p. 5457; Dr. p. 1144; Gaz. vol. 133; p. 2149.
- Perrin, W. R., Chicago, Ill. Device for ejecting hogs from scalding vats. No. 884,608; Apr. 14; Sp. p. 1906; Dr. p. 409; Gaz. vol. 133; p. 1526.
- Perrine, J. B., Valparaiso, Ind., assignor to J. E. Plew, Chicago, Ill. Self-indexing ledger. No. 880,754; Mar. 3; Sp. p. 537; Dr. p. 112; Gaz. vol. 133; p. 93.
- Perring, M. E., Marcellus, Mich. Traction-wheel. No. 890,446; June 9; Sp. p. 2513; Dr. p. 556; Gaz. vol. 134; p. 1490.
- Perritt, W. J., Rogers, Ark. Fruit-jar. No. 879,669; Feb. 18; Sp. p. 3668; Dr. p. 766; Gaz. vol. 132; p. 1502.
- Perrott, J. D., Beaver Falls, Pa. Adjustable window-shade fixture. No. 904,641; Nov. 24; Sp. p. 4326; Gaz. vol. 137; p. 787.
- Perry, A. H., *et al.* (See Muirhead, J., assignor.)
- Perry, A. W., Wakefield, assignor of one-half to J. C. Davis, Peace Dale, R. I. Thill-support. No. 882,650; Mar. 24; Sp. p. 4294; Dr. p. 911; Gaz. vol. 133; p. 802.
- Perry, C. J., Perth Amboy, N. J. Combined scrubbing-brush, mop, and wringer. No. 877,119; Jan. 21; Sp. p. 2947; Dr. p. 637; Gaz. vol. 132; p. 547.
- Perry, D. P., Chicago, Ill. Electric horn. No. 907,399; Dec. 22; Sp. p. 4426; Gaz. vol. 137; p. 1814.
- Perry, D. P., assignor, by mesne assignments, to W. Morrison, Chicago, Ill., and M. A. Lumbard, Des Moines, Iowa. Storage battery. No. 902,681; Nov. 3; Sp. p. 290; Gaz. vol. 137; p. 50.
- Perry, E. L., Paterson, N. J. Elastic vehicle-tire. No. 879,312; Feb. 18; Sp. p. 2911; Dr. p. 607; Gaz. vol. 132; p. 1387.
- Perry, E. L., Paterson, N. J. Testing tubular bodies. No. 880,755; Mar. 3; Sp. p. 542; Dr. p. 113; Gaz. vol. 133; p. 94.
- Perry, F. H., Beverly, Mass. Clothes-pin. No. 880,819; Mar. 3; Sp. p. 669; Dr. p. 141; Gaz. vol. 133; p. 115.
- Perry, F. H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Fastening. No. 890,447; June 9; Sp. p. 2516; Dr. p. 556; Gaz. vol. 134; p. 1491.
- Perry, F. W., Denver, Colo. Metal sign. No. 884,951; Apr. 14; Sp. p. 2622; Dr. pp. 553-4; Gaz. vol. 133; p. 1637.
- Perry, F. W., Denver, Colo. Metal sign. No. 892,615; July 7; Sp. p. 415; Dr. p. 92; Gaz. vol. 135; p. 77.
- Perry, G., Listowel, Ontario, Canada. Threader and protector for inked ribbons. No. 880,913; Mar. 3; Sp. p. 873; Dr. p. 188; Gaz. vol. 133; p. 146.
- Perry, G. E., assignor to Perry Time Stamp Company, Chicago, Ill. Time-stamp. No. 885,676; Apr. 21; Sp. p. 4116; Dr. p. 862; Gaz. vol. 133; p. 1902.
- Perry, G. E., Chicago, Ill., assignor to Stromberg Electric Mfg. Co. Time-stamp. (Reissue.) No. 12,843; Aug. 11; Sp. p. 2590; Dr. p. 561; Gaz. vol. 135; p. 1345.
- Perry, J. A., Chicago, Ill. Attachment for couches. No. 899,431; Sept. 22; Sp. p. 4302; Dr. p. 922; Gaz. vol. 136; p. 797.
- Perry, J. H. (See Baty and Perry.)
- Perry, J. L., assignor to H. B. Smith Machine Company, Smithville, N. J. Means for lubricating sandpapering-machines. No. 876,911; Jan. 14; Sp. p. 2480; Dr. p. 542; Gaz. vol. 132; p. 437.
- Perry, J. L., assignor to H. B. Smith Machine Company, Smithville, N. J. Drum for sandpapering-machines. No. 891,857; June 30; Sp. p. 5454; Dr. p. 1179; Gaz. vol. 134; p. 2051.
- Perry, J. L., assignor to H. B. Smith Machine Company, Smithville, N. J. Sandpapering-machine. No. 891,950; June 30; Sp. p. 5652; Dr. pp. 1217-18; Gaz. vol. 134; p. 2083.
- Perry, J. R., Wilkes-Barre, Pa. Device for distilling water. No. 901,645; Oct. 20; Sp. p. 3296; Dr. p. 676; Gaz. vol. 136; p. 1650.
- Perry, J. S., and A. L. Stevens, assignors to Nashua Saddlery Hardware Company, Nashua, N. H. Attachment for vibrating devices for molding-flasks. No. 907,641; Dec. 22; Sp. p. 4964; Gaz. vol. 137; p. 1894.
- Perry, J. W. (See Perry, W. C. and J. W.)
- Perry, J. W., New York, N. Y., assignor to H. W. Johns-Manville Company. Car-barn trolley attachment. No. 907,522; Dec. 22; Sp. p. 4683; Gaz. vol. 137; p. 1855.
- Perry, L. D., New York, N. Y., assignor to Ludwig & Company. Valve for pneumatic musical-instrument players. No. 907,642; Dec. 22; Sp. p. 4965; Gaz. vol. 137; p. 1894.
- Perry, L. F. (See Du Boise and Perry.)
- Perry, N., Saratoga Springs, N. Y. Ironing-board. No. 890,448; June 9; Sp. p. 2517; Dr. p. 557; Gaz. vol. 134; p. 1491.

Alphabetical list of patentees—Continued.

- Perry, R. W., Stoneham, assignor of one-half to G. H. Stevens, Melrose, Mass. Cushion-heel. No. 877,450; Jan. 21; Sp. p. 3609; Dr. p. 781; Gaz. vol. 132; p. 656.
- Perry, R. W., Stoneham, assignor of one-half to G. H. Stevens, Melrose, Mass. Cushion-heel. No. 882,268; Mar. 17; Sp. p. 3572; Dr. p. 758; Gaz. vol. 133; p. 644.
- Perry, S. R., Scranton, Pa. Piano-action. No. 900,305; Oct. 6; Sp. p. 494; Dr. p. 103; Gaz. vol. 136; p. 1150.
- Perry, S. R., Scranton, Pa. Piano-action. No. 900,306; Oct. 6; Sp. p. 497; Dr. p. 104; Gaz. vol. 136; p. 1151.
- Perry, S. R., Scranton, Pa. Piano-action. No. 900,307; Oct. 6; Sp. p. 501; Dr. p. 104; Gaz. vol. 136; p. 1151.
- Perry, S. R., Scranton, Pa. Piano-action. No. 900,308; Oct. 6; Sp. p. 505; Dr. pp. 104-5; Gaz. vol. 136; p. 1152.
- Perry, T. O., Chicago, Ill. Air-compressor. No. 901,555; Oct. 20; Sp. p. 3121; Dr. p. 639; Gaz. vol. 136; p. 1622.
- Perry Time Stamp Company, (See Perry, G. E., assignor.)
- Perry, W. A., New York, N. Y. Shaft-coupling. No. 907,523; Dec. 22; Sp. p. 4686; Gaz. vol. 137; p. 1856.
- Perry, W. C., Charlestown, R. I. Warp-stop-motion mechanism. No. 890,093; June 9; Sp. p. 1793; Dr. p. 397; Gaz. vol. 134; p. 1376.
- Perry, W. C. and J. W., Toronto, Ontario, Canada. Clothes-pounder. No. 879,313; Feb. 18; Sp. p. 2913; Dr. p. 607; Gaz. vol. 132; p. 1387.
- Perry, W. H., New York, N. Y. Sanitary baking-pan. No. 901,999; Oct. 27; Sp. p. 4058; Dr. p. 823; Gaz. vol. 136; p. 1797.
- Perry, W. L., Scranton, Pa. Carburetor. No. 907,279; Dec. 22; Sp. p. 4211; Gaz. vol. 137; p. 1775.
- Perschbacher, O. (See Smyth and Perschbacher.)
- Persels, H. I., Sandusky, Mich. Holdback for harness. No. 906,156; Dec. 8; Sp. p. 2049; Gaz. vol. 137; p. 1351.
- Persin, R. A. (See Gianoli and Persin.)
- Person, A., Netcong, N. J. Dynamite-cartridge-loading machine. No. 902,760; Nov. 3; Sp. p. 445; Gaz. vol. 137; p. 77.
- Person, W. (See Abramson and Person.)
- Person, W., assignor of one-half to A. C. Abramson, Rockford, Ill. Lock. No. 883,567; Mar. 31; Sp. p. 6169; Dr. p. 1312; Gaz. vol. 133; p. 1130.
- Person, W., assignor to Rockford Cabinet Company, Rockford, Ill. Furniture. No. 888,734; May 26; Sp. p. 4827; Dr. p. 1030; Gaz. vol. 134; p. 876.
- Person, W., assignor to Rockford Cabinet Company, Rockford, Ill. Cabinet. No. 888,735; May 26; Sp. p. 4828; Dr. p. 1030; Gaz. vol. 134; p. 877.
- Persson, G., Woodstock, assignor to Oliver Typewriter Company, Chicago, Ill. Printing-point indicator for type-writers. No. 895,891; Aug. 11; Sp. p. 2232; Dr. p. 476; Gaz. vol. 135; p. 1285.
- Persson, O. F., Lynn, Mass., assignor to General Electric Company. Motion-checking device. No. 876,994; Jan. 21; Sp. p. 2685; Dr. p. 534; Gaz. vol. 132; p. 506.
- Pertot, G., Milan, Italy. Propulsion of vessels. No. 886,850; May 5; Sp. p. 1040; Dr. p. 219; Gaz. vol. 134; p. 171.
- Peru Plow & Wheel Company. (See Paul, W. L., assignor.)
- Pervesler, F. (See Abel and Pervesler.)
- Pervilhac, H. (See Ratignier and Pervilhac.)
- Pezina, Gebr. (See Giese, A., assignor.)
- Peschel, G., Stettin, Germany. Baker's kneading-trough. No. 889,962; June 9; Sp. p. 1527; Dr. p. 345; Gaz. vol. 134; p. 1331.
- Peter, C., St. Louis, Mo. Cuspidor. No. 879,314; Feb. 18; Sp. p. 2914; Dr. p. 607; Gaz. vol. 132; p. 1387.
- Peter, C., St. Louis, Mo. Floor-finishing machine. No. 903,311; Nov. 10; Sp. p. 1544; Gaz. vol. 137; p. 285.
- Peters, C. D., Victoria, Ill. Pipe-wrench. No. 906,277; Dec. 8; Sp. p. 2275; Gaz. vol. 137; p. 1391.
- Peters, C. L., Marinette, Wis. Show-case. No. 905,452; Dec. 1; Sp. p. 686; Gaz. vol. 137; p. 1094.
- Peters, C. O., Winthrop, Mass. Electromagnetic locking device. No. 897,394; Sept. 1; Sp. p. 313; Dr. p. 65; Gaz. vol. 136; p. 48.
- Peters Cartridge Company. (See Peters, G. M., assignor.)
- Peter, F. A., Newside, Pa. Snow guard or fender for roofs. No. 884,850; Apr. 14; Sp. p. 2441; Dr. p. 513; Gaz. vol. 133; p. 1608.
- Peter, F. A., Newside, Pa. Iron fence. No. 895,297; Aug. 4; Sp. p. 1069; Dr. pp. 223-4; Gaz. vol. 135; p. 1069.
- Peter, P., Pittsburg, Pa. Torpedo-placer. No. 876,229; Jan. 7; Sp. p. 1058; Dr. p. 228; Gaz. vol. 132; p. 179.
- Peterkin, W., New York, N. Y. Computing-scale. No. 879,795; Feb. 18; Sp. p. 3900; Dr. p. 818; Gaz. vol. 132; p. 1543.
- Peters, F., Cold Spring, Minn. Game-board. No. 877,594; Jan. 28; Sp. p. 3928; Dr. p. 850; Gaz. vol. 132; p. 725.
- Peters, F. A., Abrams, Wis. Sprouting apparatus. No. 893,648; July 21; Sp. p. 2587; Dr. p. 539; Gaz. vol. 135; p. 475.
- Peters, F. M. (See Hungerford, H. H., assignor.)
- Peters, F. M., Chicago, Ill. Dough-sheeting machine. No. 881,439; Mar. 10; Sp. p. 1884; Dr. pp. 409-11; Gaz. vol. 133; p. 345.
- Peters, F. M., Chicago, Ill. Machine for baking sugar-wafers. No. 881,824; Mar. 10; Sp. p. 2641; Dr. pp. 566-7; Gaz. vol. 133; p. 470.
- Peters, F. M., Chicago, Ill. Wafer-cutting machine. No. 908,322; Dec. 29; Sp. p. 6402; Gaz. vol. 137; p. 2152.
- Peters, F. M., and A. Der Ananian, Milford, Mass. Nailing or pegging machine. No. 878,891; Feb. 11; Sp. p. 2087; Dr. pp. 434-5; Gaz. vol. 132; p. 1210.
- Peters, G. A., Hutchinson, Minn. Adjustable partition for stock-cars. No. 888,844; May 26; Sp. p. 5081; Dr. p. 1084; Gaz. vol. 134; p. 912.
- Peters, G. M., St. Louis, Mo. Folding umbrella. No. 878,558; Feb. 11; Sp. p. 1425; Dr. p. 291; Gaz. vol. 132; p. 1102.
- Peters, G. M., assignor to Peters Cartridge Company, Cincinnati, Ohio. Shell. No. 905,358; Dec. 1; Sp. p. 461; Gaz. vol. 137; p. 1060.
- Peters, H. (See Driskell, W. S., assignor.)
- Peters, H., Brooklyn, N. Y., assignor of one-half to L. B. Beath, Toronto, Canada. Expanded-metal lathing. No. 902,602; Nov. 3; Sp. p. 147; Gaz. vol. 137; p. 24.
- Peters, H. A., and C. W. Morgan, Paterson, N. J. Means for controlling machinery. No. 892,616; July 7; Sp. p. 417; Dr. p. 93; Gaz. vol. 135; p. 78.
- Peters, H. G. (See Fowler, Barnes, and Peters.)
- Peters, J. A., Plum Coulee, Manitoba, Canada. Front-wheel drive for traction-engines. No. 905,918; Dec. 8; Sp. p. 1595; Gaz. vol. 137; p. 1215.
- Peters, J. C., Fort Wayne, Ind. Driving mechanism for washing-machines. No. 875,732; Jan. 7; Sp. p. 105; Dr. pp. 22-3; Gaz. vol. 132; p. 22.
- Peters, P. O., Juneau, Wis., assignor to H. E. Smith, Indianapolis, Ind. Rotary sign. No. 895,892; Aug. 11; Sp. p. 2233; Dr. p. 476; Gaz. vol. 135; p. 1285.
- Peters, R. D., Knox, Ind. Suspensory undershirt. No. 898,258; Sept. 8; Sp. p. 2077; Dr. p. 442; Gaz. vol. 136; p. 358.
- Peters, R. G. (See Davis, O. C., assignor.)
- Peters, R. G. (See Gillette and Dake, assignors.)
- Peters, S. A. (See Bixby and Peters.)
- Peters, U. A., Pittsburg, Pa. Reversing-valve. No. 888,736; May 26; Sp. p. 4829; Dr. p. 1031; Gaz. vol. 134; p. 877.
- Peters, W., and C. M. Caspersson, Monessen, Pa. Casting metals. No. 893,363; July 14; Sp. p. 1958; Dr. p. 411; Gaz. vol. 135; p. 352.
- Petersen, A. P. (See Olsen and Petersen.)
- Petersen, C. A., Laconia, N. H. Self-lubricating bushing for pulleys. No. 902,831; Nov. 3; Sp. p. 598; Gaz. vol. 137; p. 101.
- Petersen, C. E., Copenhagen, Denmark. Advertising apparatus. No. 899,467; Sept. 22; Sp. p. 4369; Dr. p. 938; Gaz. vol. 136; p. 809.
- Petersen, H., Minneapolis, Minn. Linotype-machine. No. 888,649; May 26; Sp. p. 4660; Dr. p. 990; Gaz. vol. 134; p. 850.
- Petersen, H., Minneapolis, Minn. Linotype-machine. No. 888,650; May 26; Sp. p. 4662; Dr. pp. 990-1; Gaz. vol. 134; p. 850.
- Petersen, H., Wilmersdorf, near Berlin, Germany. Filling for reaction-chambers, &c. No. 899,898; Sept. 29; Sp. p. 5285; Dr. p. 1130; Gaz. vol. 136; p. 987.
- Petersen, H., Wilmersdorf, near Berlin, Germany. Filling material for reaction-chambers. No. 899,899; Sept. 29; Sp. p. 5287; Dr. p. 1130; Gaz. vol. 136; p. 988.
- Petersen, H., Wilmersdorf, near Berlin, Germany. Manufacture of sulfuric acid. No. 904,147; Nov. 17; Sp. p. 3275; Gaz. vol. 137; p. 594.
- Petersen, H. P., Waupaca, Wis. Folding umbrella. No. 881,825; Mar. 10; Sp. p. 2646; Dr. p. 568; Gaz. vol. 133; p. 470.
- Petersen, L. W., et al. (See Murray, J. W., assignor.)
- Petersen, P. C., assignor of two-fifths to H. Kelly, Chicago, Ill. Folding hand-mirror. No. 881,947; Mar. 17; Sp. p. 2929; Dr. p. 625; Gaz. vol. 133; p. 541.
- Peterson, A. (See Lindal, S. F. F., assignor.)
- Peterson, A., Waubay, S. D. Riding attachment for harrows. No. 876,230; Jan. 7; Sp. p. 1059; Dr. pp. 228-9; Gaz. vol. 132; p. 179.
- Peterson, A., South Omaha, Nebr. Match-safe. No. 902,682; Nov. 3; Sp. p. 292; Gaz. vol. 137; p. 50.
- Peterson, A. E., Moline, Ill. Corn-planter. No. 901,257; Oct. 13; Sp. p. 2433; Dr. pp. 499-500; Gaz. vol. 136; p. 1485.
- Peterson, A. E., Admire, assignor of one-half to E. Locke, Topeka, Kans. Overshoe-retainer. No. 907,703; Dec. 22; Sp. p. 5109; Gaz. vol. 137; p. 1916.
- Peterson, A. G., Wahpeton, N. D. Cistern. No. 876,392; Jan. 14; Sp. p. 1411; Dr. p. 304; Gaz. vol. 132; p. 264.
- Peterson, A. T., Racine, Wis. Pencil sharpener. No. 898,502; Sept. 15; Sp. p. 2544; Dr. p. 545; Gaz. vol. 136; p. 470.
- Peterson, A. T., Oregon, Ill. Stovepipe-fastener. No. 902,907; Nov. 3; Sp. p. 763; Gaz. vol. 137; p. 126.
- Peterson, A. W., Ironwood, Mich. Door or window securer. No. 891,727; June 23; Sp. p. 5169; Dr. p. 1116; Gaz. vol. 134; p. 1975.
- Peterson, A. W., San Francisco, Cal., assignor of two-thirds to H. Peterson, Fresno county, and O. Bjorklund, San Francisco, Cal. Wrench. No. 902,830; Nov. 3; Sp. p. 597; Gaz. vol. 137; p. 101.

Alphabetical list of patentees—Continued.

- Peterson, C. A., Demmon, Mich. Base-ball glove. No. 906,278; Dec. 8; Sp. p. 2277; Gaz. vol. 137; p. 1391.
- Peterson, C. G., assignor of one-half to D. E. Seashore, West Duluth, Minn. Railway-tie. No. 892,300; June 30; Sp. p. 6306; Dr. p. 358; Gaz. vol. 134; p. 2197.
- Peterson, C. J., Point Richmond, Cal. Reversing mechanism for engines. No. 903,033; Dec. 29; Sp. p. 5790; Gaz. vol. 137; p. 2053.
- Peterson, C. J., assignor to Chicago Filing Machine Company, Chicago, Ill. Filing-machine. No. 888,651; May 26; Sp. p. 4067; Dr. pp. 991-2; Gaz. vol. 134; p. 851.
- Peterson, E. W., Kenosha, Wis. Photograph-album. No. 890,794; June 16; Sp. p. 3265; Dr. p. 715; Gaz. vol. 134; p. 1639.
- Peterson, F. (See Sheldon, H. M., assignor.)
- Peterson, F. A., Syracuse, N. Y. Voting-machine. No. 884,039; Apr. 7; Sp. p. 751; Dr. pp. 155-6; Gaz. vol. 133; p. 1312.
- Peterson, H., *et al.* (See Peterson, A. W., assignor.)
- Peterson, H., Sylvan Grove, Kans. Exhibitor. No. 896,753; Aug. 25; Sp. p. 3937; Dr. p. 849; Gaz. vol. 135; p. 1607.
- Peterson, H. C., *et al.* (See Swanberg, A. W., assignor.)
- Peterson, H. L. E., Elgin, Ill. Pipe-threading machine. No. 885,175; Apr. 21; Sp. p. 3106; Dr. p. 654; Gaz. vol. 133; p. 1742.
- Peterson, J. (See Baker, W. H., assignor.)
- Peterson, J., St. Paul, Minn. Hay and manure gatherer and loader. No. 875,846; Jan. 7; Sp. p. 315; Dr. pp. 69-70; Gaz. vol. 132; p. 58.
- Peterson, J. F., Cambridge, Mass. Belt. No. 906,557; Dec. 15; Sp. p. 2794; Gaz. vol. 137; p. 1507.
- Peterson, J. G., Bridgeport, Conn. Picture-molding bracket. No. 883,032; May 19; Sp. p. 3436; Dr. p. 721; Gaz. vol. 134; p. 617.
- Peterson, J. G., assignor to Arrow Electric Company, Hartford, Conn. Electric snap-switch. No. 896,754; Aug. 25; Sp. p. 3939; Dr. p. 849; Gaz. vol. 135; p. 1607.
- Peterson, J. G., assignor to Arrow Electric Company, Hartford, Conn. Snap-switch. No. 906,738; Dec. 15; Sp. p. 3136; Gaz. vol. 137; p. 1564.
- Peterson, J. G., assignor to Arrow Electric Company, Hartford, Conn. Electric-switch receptacle. No. 906,739; Dec. 15; Sp. p. 3137; Gaz. vol. 137; p. 1564.
- Peterson, J. G., assignor to Arrow Electric Company, Hartford, Conn. Push-button electric switch. No. 906,740; Dec. 15; Sp. p. 3138; Gaz. vol. 137; p. 1565.
- Peterson, J. G., assignor to Arrow Electric Company, Hartford, Conn. Electric switch. No. 908,323; Dec. 29; Sp. p. 6406; Gaz. vol. 137; p. 2152.
- Peterson, J. J., Chicago, Ill. Guard-rail for passenger-cars. No. 880,914; Mar. 3; Sp. p. 874; Dr. p. 188; Gaz. vol. 133; p. 147.
- Peterson, J. N., and F. P. Wernli, Hazelton, N. D. Bag-holder. No. 875,847; Jan. 7; Sp. p. 317; Dr. p. 70; Gaz. vol. 132; p. 58.
- Peterson, M. P., Eastlake, Mich. Clothes-drier. No. 882,960; Mar. 24; Sp. p. 4920; Dr. pp. 1043-4; Gaz. vol. 133; p. 905.
- Peterson, N., assignor of one-third to C. L. Thompson, Moscow, Idaho. Antifreezing-closet. No. 901,255; Oct. 13; Sp. p. 2430; Dr. p. 499; Gaz. vol. 136; p. 1484.
- Peterson, O., assignor of one-half to T. D. Temple, De Kalb, Ill. Chandelier-hanging device. No. 898,391; Sept. 8; Sp. p. 2310; Dr. p. 491; Gaz. vol. 136; p. 402.
- Peterson, O. L., assignor to New Idea Improvement Company, Philadelphia, Pa. Convertible chair. No. 893,095; July 14; Sp. p. 1422; Dr. p. 301; Gaz. vol. 135; p. 264.
- Peterson, O. P. (See Hyde and Peterson.)
- Peterson, O. W., Chicago, Ill. Gas-purifier. No. 890,704; June 16; Sp. p. 3060; Dr. p. 671; Gaz. vol. 134; p. 1607.
- Peterson, P. A., New York, N. Y. Salt-cellar. No. 888,652; May 26; Sp. p. 4670; Dr. p. 992; Gaz. vol. 134; p. 852.
- Peterson, P. O., Wimona, S. D. Gate-fastener. No. 881,259; Mar. 10; Sp. p. 1531; Dr. p. 330; Gaz. vol. 133; p. 289.
- Peterson, R. C., *et al.* (See Ponder and Shook, assignors.)
- Peterson, S. (See Trankle, Woodard, and Peterson.)
- Peterson, S., St. Paul, Minn. Christmas-tree holder. No. 892,181; June 30; Sp. p. 6081; Dr. p. 1307; Gaz. vol. 134; p. 2157.
- Peterson, V. J. (See Faverty and Peterson.)
- Peterson, W. V., Minneapolis, Minn., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 876,393; Jan. 14; Sp. p. 1412; Dr. p. 305; Gaz. vol. 132; p. 264.
- Peterson, A. J., Alby, Sweden. Treating gases and gas mixtures by means of voltaic arcs. No. 880,037; Feb. 25; Sp. p. 4454; Dr. p. 935; Gaz. vol. 132; p. 1656.
- Peterson, A. J., Alby, Sweden. Apparatus for treating gases and gas mixtures by means of voltaic arcs. No. 880,464; Feb. 25; Sp. p. 5314; Dr. p. 1118; Gaz. vol. 132; p. 179.
- Peterson, A. J., Alby, Sweden. Electric furnace. No. 889,857; June 2; Sp. p. 1295; Dr. p. 297; Gaz. vol. 134; p. 1271.
- Peterson, A. J., Alby, Sweden. Striking voltaic arcs. No. 905,572; Dec. 1; Sp. p. 933; Gaz. vol. 137; p. 1132.
- Petsch, C. N., Chicago, Ill. Horse-power recorder. No. 908,128; Dec. 29; Sp. p. 5980; Gaz. vol. 137; p. 2085.
- Petracchi, A., Milan, Italy. Separable barrel or other receptacle. No. 885,371; Apr. 21; Sp. p. 3519; Dr. p. 734; Gaz. vol. 133; p. 1809.
- Petri-Palmedo, D., Hoboken, N. J. Casting lines of single type. No. 884,293; Apr. 7; Sp. p. 1264; Dr. p. 266; Gaz. vol. 133; p. 1394.
- Petri-Palmedo, D., Hoboken, N. J., assignor to Mergenthaler Linotype Company. Mold for linotype-machines. No. 881,716; Mar. 10; Sp. p. 2442; Dr. p. 525; Gaz. vol. 133; p. 435.
- Petric Cement Company. (See Guy, C., assignor.)
- Petrik, J. G. (See Saunders and Petrik.)
- Petru, E. J., and J. Zidek, Chicago, Ill. Hose-nozzle cart. No. 897,395; Sept. 1; Sp. p. 315; Dr. pp. 65-7; Gaz. vol. 136; p. 48.
- Petru, E. J., and J. Zidek, Chicago, Ill. Hose-nozzle carriage and hoisting device. No. 902,683; Nov. 3; Sp. p. 293; Gaz. vol. 137; p. 50.
- Petry, C. H., Paterson, N. J. Target and shield. No. 879,670; Feb. 18; Sp. p. 3669; Dr. p. 766; Gaz. vol. 132; p. 1503.
- Petry, N., St. Joseph, Mo. Reclining-chair. No. 887,267; May 12; Sp. p. 1856; Dr. p. 392; Gaz. vol. 134; p. 332.
- Petry, N. A. (See Koenig, R. H., assignor.)
- Petsche, G. B., assignor to Southwark Foundry and Machine Company, Philadelphia, Pa. Throttle-valve mechanism for steam-engines. No. 881,485; Mar. 10; Sp. p. 1986; Dr. pp. 432-3; Gaz. vol. 133; p. 360.
- Petsche, G. B., assignor to Southwark Foundry and Machine Company, Philadelphia, Pa. Throttle-valve mechanism for steam-engines. No. 881,486; Mar. 10; Sp. p. 1988; Dr. p. 433; Gaz. vol. 133; p. 361.
- Petsche, G. B., assignor to Southwark Foundry and Machine Company, Philadelphia, Pa. Condenser. No. 885,285; Apr. 21; Sp. p. 3329; Dr. p. 695; Gaz. vol. 133; p. 1779.
- Petsche, G. B., assignor to Southwark Foundry and Machine Company, Philadelphia, Pa. Blowing engine or pump. No. 891,290; June 23; Sp. p. 4255; Dr. p. 931; Gaz. vol. 134; p. 1831.
- Petsche, G. B., assignor to Southwark Foundry and Machine Company, Philadelphia, Pa. Blowing-engine or compressor. No. 891,858; June 30; Sp. p. 5456; Dr. pp. 1179-80; Gaz. vol. 134; p. 2051.
- Petsche, G. B., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Gas-actuated blowing-engine or compressor. No. 894,047; July 21; Sp. p. 3495; Dr. pp. 715-16; Gaz. vol. 135; p. 608.
- Petsche, G. B., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Blowing-engine or compressor. No. 894,048; July 21; Sp. p. 3501; Dr. pp. 716-17; Gaz. vol. 135; p. 608.
- Petsche, G. B., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Blowing-engine or compressor. No. 894,852; Aug. 4; Sp. p. 98; Dr. pp. 20-1; Gaz. vol. 135; p. 917.
- Petsche, G. B., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Gas-engine. No. 896,318; Aug. 18; Sp. p. 3061; Dr. pp. 659-60; Gaz. vol. 135; p. 1444.
- Petsche, G. B., assignor to Southwark Foundry and Machine Company, Philadelphia, Pa. Blowing-engine. No. 899,558; Sept. 29; Sp. p. 4576; Dr. p. 984; Gaz. vol. 136; p. 876.
- Petsche, G. B., assignor to Southwark Foundry and Machine Company, Philadelphia, Pa. Admission-valve for gas-engines. No. 901,256; Oct. 13; Sp. p. 2432; Dr. p. 499; Gaz. vol. 136; p. 1484.
- Petsche, G. B., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Admission-valve and valve-actuating mechanism for gas-engines. No. 905,224; Dec. 1; Sp. p. 208; Gaz. vol. 137; p. 1018.
- Petta, J. A., Seattle, Wash. Centering-tool. No. 908,324; Dec. 29; Sp. p. 6407; Gaz. vol. 137; p. 2152.
- Pettengill, F. B., Burbank, assignor of one-half to S. L. Kistler, Los Angeles, Cal. Feeding mechanism for crushing-mills. No. 879,581; Feb. 18; Sp. p. 3479; Dr. p. 729; Gaz. vol. 132; p. 1474.
- Petterson, S. G., Pine Bluff, Ark. Combined bevel and square. No. 883,908; Apr. 7; Sp. p. 481; Dr. pp. 94-5; Gaz. vol. 133; p. 1269.
- Petterson, S. G., Pine Bluff, Ark. Hoop-roller. No. 904,220; Nov. 17; Sp. p. 3447; Gaz. vol. 137; p. 619.
- Petterson, K. A. (See Moche and Petterson.)
- Petteway, G. S., and L. W. Duval, Ocala, Fla. Turpentine-scraper. No. 890,449; June 9; Sp. p. 2518; Dr. p. 557; Gaz. vol. 134; p. 1491.
- Petty, J. O., assignor to National Sewing Machine Co., Belvidere, Ill. Sewing-machine cabinet. No. 890,298; June 9; Sp. p. 2242; Dr. p. 492-3; Gaz. vol. 134; p. 1444.
- Pettibone, C. E. (See Pettibone, J. C., assignor.)
- Pettibone, H., New Rochelle, N. Y., assignor to Power and Mining Machinery Company. Apparatus for manufacturing gas. No. 885,372; Apr. 21; Sp. p. 3519; Dr. p. 735; Gaz. vol. 133; p. 1809.

Alphabetical list of patentees—Continued.

- Pettibone, H., New Rochelle, N. Y., assignor to Power and Mining Machinery Company. Manufacturing gas. No. 898,601; Sept. 15; Sp. p. 2739; Dr. p. 586; Gaz. vol. 136; p. 502.
- Pettibone, H., New Rochelle, N. Y., assignor to Power and Mining Machinery Company. Apparatus for manufacturing gas. No. 900,582; Oct. 6; Sp. p. 1093; Dr. p. 224; Gaz. vol. 136; p. 1241.
- Pettibone, H., Cudahy, Wis., assignor to Power and Mining Machinery Company, New York, N. Y. Charging device for gas-producers. No. 891,859; June 30; Sp. p. 5458; Dr. p. 1180; Gaz. vol. 134; p. 2052.
- Pettibone, J. C., assignor to C. E. Pettibone, Ansonia, Conn. Nail-clipper and cigar-cutter. No. 890,922; June 16; Sp. p. 3509; Dr. p. 768; Gaz. vol. 134; p. 1679.
- Pettibone, Mulliken & Co. (See Strom, E. N., assignor.)
- Pettigrew, H. N., New Orleans, La. Hollow concrete block. No. 882,414; Mar. 17; Sp. p. 3825; Dr. p. 817; Gaz. vol. 133; p. 691.
- Pettingjohn, J. W., Montesano, Wash. Undercut-saw guide. No. 898,677; Sept. 15; Sp. p. 2899; Dr. p. 620; Gaz. vol. 136; p. 527.
- Pettingell, E. E., Portland, Oreg. Drum-beating apparatus. No. 902,444; Oct. 27; Sp. p. 4974; Dr. p. 1005; Gaz. vol. 136; p. 1941.
- Pettingill, F. B., Burbank, assignor to S. L. Kistler, Los Angeles, Cal. Ore-crushing machine. No. 893,540; July 14; Sp. p. 2346; Dr. p. 491; Gaz. vol. 135; p. 410.
- Pettis, C. D., Chicago, Ill. Brake-shoe. No. 892,078; June 30; Sp. p. 5872; Dr. p. 1264; Gaz. vol. 134; p. 2122.
- Pettis, C. D., Chicago, Ill. Brake-shoe. No. 892,853; July 7; Sp. p. 990; Dr. p. 207; Gaz. vol. 135; p. 165.
- Pettis, C. D., Chicago, Ill. Brake-shoe. No. 893,260; July 14; Sp. p. 1763; Dr. p. 371; Gaz. vol. 135; p. 318.
- Pettit, F. A., assignor of one-half to H. P. Berkshire, Kansas City, Mo. Knife-wiper. No. 896,855; Aug. 25; Sp. p. 4165; Dr. p. 892; Gaz. vol. 135; p. 1642.
- Pettit, F. H., Rhea, Okla. Signal. No. 885,644; Apr. 21; Sp. p. 4060; Dr. p. 848; Gaz. vol. 133; p. 1892.
- Pettit, G. F., Springfield, Ill. Shock-handler. No. 881,260; Mar. 10; Sp. p. 1533; Dr. p. 330; Gaz. vol. 133; p. 289.
- Pettit, G. F., Springfield, Ill. Vestibule stock-car. No. 882,163; Mar. 17; Sp. p. 3365; Dr. p. 717; Gaz. vol. 133; p. 609.
- Pettit, R. L., Great Falls, Mont. Combined potato digger and separator. No. 876,834; Jan. 14; Sp. p. 2321; Dr. p. 510; Gaz. vol. 132; p. 411.
- Pettit, S. W. (See Ernst, C. A., assignor.)
- Pettit, S. W. (See Ernst and Hamlin, assignors.)
- Petty, W. C. (See Haskell, Petty, and Tessier.)
- Pettyjohn, J. M., Terre Haute, Ind. Mold appliance. No. 896,459; Aug. 18; Sp. p. 3341; Dr. pp. 718-19; Gaz. vol. 135; p. 1490.
- Petze, W. R., Brooklyn, N. Y. Spring-repairer. No. 899,468; Sept. 22; Sp. p. 4570; Dr. p. 935; Gaz. vol. 136; p. 809.
- Petzer, M., Wilkinsburg, Pa. Fruit-picker. No. 892,182; June 30; Sp. p. 6081; Dr. p. 1308; Gaz. vol. 134; p. 2157.
- Peugeot, A., T. Huber, and H. de Lostalot, Billancourt, France. Explosion-motor. No. 886,539; May 5; Sp. p. 388; Dr. pp. 81-2; Gaz. vol. 134; p. 71.
- Peulecke, F., Chicago, Ill. Water-jacketed controlling and check valve. No. 880,569; Mar. 3; Sp. p. 160; Dr. p. 35; Gaz. vol. 133; p. 30.
- Pevey, C. K. (See Bowen, A. L., assignor.)
- Pevey, C. K., Worcester, Mass. Street-sweeper. No. 876,727; Jan. 14; Sp. p. 2130; Dr. p. 468; Gaz. vol. 132; p. 378.
- Peyton, J. S., Washington, D. C. Descriptive holder for post-cards or other pictures. No. 907,174; Dec. 22; Sp. p. 3968; Gaz. vol. 137; p. 1737.
- Pfadt, L. E. (See Seibert, J. O. M., assignor.)
- Pfadt, J. G., trustees, *et al.* (See Pfadt, J. G., assignor.)
- Pfadt, J. G., assignor to Erie Pump and Engine Company, Erie, Pa. Centrifugal pump. No. 907,869; Dec. 29; Sp. p. 5435; Gaz. vol. 137; p. 2000.
- Pfadt, J. G., assignor to W. B. Fickinger, F. W. Grant, and J. G. Pfadt, trustees, Erie, Pa. Centrifugal pump. No. 897,483; Sept. 1; Sp. p. 491; Dr. p. 104; Gaz. vol. 136; p. 78.
- Pfaff, R. H., Ashtabula, Ohio. Carriage-bow. No. 876,995; Jan. 21; Sp. p. 2689; Dr. p. 584; Gaz. vol. 132; p. 506.
- Pfaffenbach, R., Leipzig, Germany, assignor to Firm of Adolf Bleichert & Company, Leipzig-Gohlis, Germany. Trolley-car for wire-ore or suspension railways. No. 876,486; Jan. 14; Sp. p. 1621; Dr. p. 351; Gaz. vol. 132; p. 296.
- Pfannenstiel, F. P., Milwaukee, Wis. Penholder. No. 906,558; Dec. 15; Sp. p. 2795; Gaz. vol. 137; p. 1507.
- Pfanstiel, C. A., Highland Park, Ill. Induction-coil unit. No. 892,763; July 7; Sp. p. 723; Dr. p. 153; Gaz. vol. 135; p. 125.
- Pfau, A., assignor to Allis-Chalmers Company, Milwaukee, Wis. Turbine. No. 899,559; Sept. 29; Sp. p. 4580; Dr. pp. 984-5; Gaz. vol. 136; p. 877.
- Pfau, C., assignor to Pfau Manufacturing Company, Cincinnati, Ohio. Escape-valve for water-closet flushing-tanks. No. 895,676; Aug. 11; Sp. p. 1798; Dr. p. 383; Gaz. vol. 135; p. 1215.
- Pfau, C., assignor to Pfau Manufacturing Company, Cincinnati, Ohio. Fitting linings for water-closet tanks. No. 896,147; Aug. 18; Sp. p. 2712; Dr. p. 585; Gaz. vol. 135; p. 1388.
- Pfau, C., assignor to Pfau Manufacturing Company, Cincinnati, Ohio. Lining for water-closet tanks. No. 900,775; Oct. 13; Sp. p. 1500; Dr. p. 305; Gaz. vol. 136; p. 1330.
- Pfau, C. and E. G., assignors to Pfau Manufacturing Company, Cincinnati, Ohio. Escape-valve for water-closet flushing-tanks. No. 883,047; Mar. 24; Sp. p. 5076; Dr. p. 1083; Gaz. vol. 133; p. 931.
- Pfau, C. and E. G., assignors to Pfau Manufacturing Company, Cincinnati, Ohio. Flushing-tank for water-closets. No. 895,677; Aug. 11; Sp. p. 1800; Dr. pp. 383-4; Gaz. vol. 135; p. 1216.
- Pfau, E. G. (See Pfau, C. and E. G.)
- Pfau, E. G., assignor to Pfau Manufacturing Company, Cincinnati, Ohio. Foundry-separator. No. 886,152; Apr. 28; Sp. p. 5113; Dr. p. 1074; Gaz. vol. 133; p. 2089.
- Pfau, J. B., Duluth, Minn. Horse-brush. No. 886,153; Apr. 28; Sp. p. 5115; Dr. p. 1074; Gaz. vol. 133; p. 2089.
- Pfau Manufacturing Company. (See Pfau, C., assignor.)
- Pfau Manufacturing Company. (See Pfau, C. and E. G., assignors.)
- Pfau Manufacturing Company. (See Pfau, E. G., assignor.)
- Pfauder Company. (See Paige, D. O., assignor.)
- Pfeifer, E., Columbus, Ohio. Alarm. No. 894,284; July 28; Sp. p. 4000; Dr. p. 826; Gaz. vol. 135; p. 706.
- Pfeifer, E. I., Austin, Tex. Mute attachment for pianos. No. 878,421; Feb. 4; Sp. p. 1058; Dr. p. 214; Gaz. vol. 132; p. 1022.
- Pfeifer, F. A. (See Hughes and Pfeifer.)
- Pfeifer, J., Springfield, Ohio. Disk-boner. No. 908,129; Dec. 29; Sp. p. 5982; Gaz. vol. 137; p. 2085.
- Pfeifer, P., Durhamville, N. Y. Drill-chuck. No. 905,919; Dec. 8; Sp. p. 1598; Gaz. vol. 137; p. 1276.
- Pfeifer, R. A., Austin, Tex. Machine for rounding leather. No. 904,445; Nov. 17; Sp. p. 3909; Gaz. vol. 137; p. 694.
- Pfeiff, A. T., Stockholm, Sweden. Apparatus for cooling and ventilating milk, cream, &c. No. 883,338; Mar. 31; Sp. p. 5670; Dr. p. 1210; Gaz. vol. 133; p. 1056.
- Pfeiff, A. T., Stockholm, Sweden. Liquid-heating apparatus. No. 883,339; Mar. 31; Sp. p. 5671; Dr. p. 1211; Gaz. vol. 133; p. 1056.
- Pfeiffer, B. G., Detroit, Mich. Friction transmission mechanism. No. 887,961; May 19; Sp. p. 3300; Dr. p. 694; Gaz. vol. 134; p. 594.
- Pfeiffer, J. C., East Columbus, Ohio. Rotary engine. No. 890,793; June 16; Sp. p. 3264; Dr. pp. 714-15; Gaz. vol. 134; p. 1638.
- Pfeiffer, W. C., Chicago, Ill. Steam-boiler. No. 878,892; Feb. 11; Sp. p. 2092; Dr. p. 435; Gaz. vol. 132; p. 1210.
- Pfeil, E. O., New York, N. Y. Electric pistol. No. 876,088; Jan. 7; Sp. p. 791; Dr. p. 169; Gaz. vol. 132; p. 134.
- Pfeil, R., Grunewald, near Berlin, assignor to Siemens & Halske, A. G., Berlin, Germany. Mercury switch for railways and the like. No. 889,963; June 9; Sp. p. 1528; Dr. p. 345; Gaz. vol. 134; p. 1331.
- Pfeil, R., Grunewald, assignor to Siemens & Halske, A. G., Berlin, Germany. Signal system. No. 897,138; Aug. 25; Sp. p. 4764; Dr. pp. 1014-15; Gaz. vol. 135; p. 1737.
- Pfeil, W. C. H., Buffalo, N. Y. Curtain-fixture. No. 906,063; Dec. 8; Sp. p. 1868; Gaz. vol. 137; p. 1320.
- Pfender, C. E., Evansville, Ind. Pump. No. 876,231; Jan. 7; Sp. p. 1060; Dr. p. 229; Gaz. vol. 132; p. 179.
- Pfenninger, C., Munich, assignor to Melms & Pfenninger G. M. B. H., Munich-Hirschau, Germany. Elastic-fluid turbine. No. 892,079; June 30; Sp. p. 5873; Dr. p. 1264; Gaz. vol. 134; p. 2122.
- Pfiersch, J. W., Northampton, Mass. Antislipping sandal. No. 906,064; Dec. 8; Sp. p. 1869; Gaz. vol. 137; p. 1320.
- Pfister, T., New York, N. Y. Decorative-material pattern. No. 907,868; Dec. 29; Sp. p. 5434; Gaz. vol. 137; p. 2000.
- Pfister & Vogel Leather Company. (See Bossert, C. P., assignor.)
- Pfizer, G. A. (See Vallat and Pfizer.)
- Pfizer, H. M. (See Howard and Pfizer.)
- Pfizer, H. M. (See Howard, Pfizer, and Westlake.)
- Pfizer, H. M., assignor to Davis Locomotive Wheel Company, St. Louis, Mo. Draft-gear for locomotive engines and tenders. No. 904,221; Nov. 17; Sp. p. 3448; Gaz. vol. 137; p. 620.
- Pfisterer, G. S., Nashville, Tenn. Electromechanical slot for signals. No. 880,398; Feb. 25; Sp. p. 5164; Dr. pp. 1089-90; Gaz. vol. 132; p. 1774.
- Pfleghar, F. P., New Haven, Conn. Mechanical seal. No. 895,108; Aug. 4; Sp. p. 673; Dr. p. 141; Gaz. vol. 135; p. 1905.
- Pfleghar, F. P., New Haven, Conn. Mechanical seal. No. 897,776; Sept. 1; Sp. p. 1086; Dr. p. 233; Gaz. vol. 136; p. 173.
- Pfleghar, F. P., assignor to F. P. Fleghar & Son, New Haven, Conn. Bolt. No. 881,613; Mar. 10; Sp. p. 2237; Dr. p. 487; Gaz. vol. 133; p. 404.
- Pfleghar, F. P., assignor to English & Mersick Co., New Haven, Conn. Combined lock and latch for vehicle-doors. No. 885,176; Apr. 21; Sp. p. 3107; Dr. p. 634; Gaz. vol. 133; p. 1742.
- Pfleghar, F. P., Jr., assignor to F. P. Fleghar & Son, New Haven, Conn. Door-lock. No. 881,487; Mar. 10; Sp. p. 1990; Dr. p. 434; Gaz. vol. 133; p. 361.

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- Pfeghar, F. P., Jr., assignor to F. P. Pfeghar & Son, New Haven, Conn. Door-lock. No. 881,614; Mar. 10; Sp. p. 2238; Dr. p. 487; Gaz. vol. 133; p. 404.
- Pfeghar & Son, F. P. (See Pfeghar, F. P., assignor.)
- Pfeghar & Son, F. P. (See Pfeghar, F. P., Jr., assignor.)
- Pfueger, E. A., assignor to E. A. Pfueger Company, Akron, Ohio. Harness-rosette. No. 878,893; Feb. 11; Sp. p. 2093; Dr. p. 435; Gaz. vol. 132; p. 1211.
- Pfueger, E. A., assignor to E. A. Pfueger Company, Akron, Ohio. Sinkers for fishing-tackle. No. 883,048; Mar. 24; Sp. p. 5077; Dr. p. 1083; Gaz. vol. 133; p. 931.
- Pfueger, E. A., assignor to E. A. Pfueger Company, Akron, Ohio. Artificial bait. No. 889,804; June 2; Sp. p. 1192; Dr. p. 276; Gaz. vol. 134; p. 1253.
- Pfueger, E. A., assignor to E. A. Pfueger Company, Akron, Ohio. Display-closure. No. 897,777; Sept. 1; Sp. p. 1088; Dr. p. 233; Gaz. vol. 136; p. 174.
- Pfium, J. F. (See Schmidt and Pfium.)
- Pforr, P., Berlin, Germany, assignor to General Electric Company. Pneumatic control system. No. 897,484; Sept. 1; Sp. p. 492; Dr. p. 105; Gaz. vol. 136; p. 79.
- Pforr, P., Lankwitz, near Berlin, and P. E. Herkner, Berlin, Germany, assignors to General Electric Company. Current-collector for electric railways. No. 896,319; Aug. 13; Sp. p. 3065; Dr. p. 660; Gaz. vol. 135; p. 1445.
- Pfouts, L. S., assignor to Miller Pasteurizing Machine Company, Canton, Ohio. Pasteurizing apparatus. (Reissue.) No. 12,858; Sept. 29; Sp. p. 5683; Dr. p. 1213; Gaz. vol. 136; p. 1045.
- Pfunder, E. L., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 891,095; June 16; Sp. p. 3856; Dr. p. 843; Gaz. vol. 134; p. 1736.
- Pfunder, E. L., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 903,765; Nov. 10; Sp. p. 2455; Gaz. vol. 137; p. 430.
- Pfunder, G. W., and A. E. Velguth, Portland, Oreg. Sad-iron holder. No. 906,065; Dec. 8; Sp. p. 1870; Gaz. vol. 137; p. 1320.
- "Phateco" Gesellschaft mit Beschränkter Haftung. (See Nicolai, L. J. F., assignor.)
- Phelan, A. P., Alliance, Nebr. Table. No. 898,778; Sept. 15; Sp. p. 3078; Dr. p. 659; Gaz. vol. 136; p. 559.
- Phelan, J. M., assignor to Reinforced Concrete Pipe Company, Jackson, Mich. Reinforced cement or concrete catch-basin and sewer-pipe. No. 890,573; June 9; Sp. p. 2759; Dr. p. 610; Gaz. vol. 134; p. 1532.
- Phelan, M. D., Lynn, assignor by mesne assignments, to T. G. Plant, Boston, Mass. Staple-tacker. No. 883,824; Apr. 7; Sp. p. 300; Dr. pp. 56-7; Gaz. vol. 133; p. 1240.
- Phelan, W. J., Bennington, Vt. Spring-wheel. No. 878,422; Feb. 4; Sp. p. 1060; Dr. p. 215; Gaz. vol. 132; p. 1023.
- Phelps, A. S., Jr., Chicago, Ill. Carbide-feed for acetylene-generators. No. 878,310; Feb. 4; Sp. p. 855; Dr. pp. 169-70; Gaz. vol. 132; p. 986.
- Phelps, A. S., Jr., Chicago, Ill. Acetylene-gas generator. No. 881,615; Mar. 10; Sp. p. 2240; Dr. pp. 487-8; Gaz. vol. 133; p. 405.
- Phelps, B. W. (See Gottschalk and Phelps.)
- Phelps, B. W. and E. C. Glines, Providence, R. I., assignors of one-third to W. Everitt, West Haven, Conn. Dropper. No. 878,668; Feb. 11; Sp. p. 1661; Dr. p. 342; Gaz. vol. 132; p. 1139.
- Phelps, C., Oskaloosa, Iowa. Smoke-consuming furnace. No. 385,950; Apr. 28; Sp. p. 4711; Dr. p. 990; Gaz. vol. 133; p. 2024.
- Phelps, C., Oskaloosa, Iowa. Pressure-regulator for water-heating systems. No. 896,856; Aug. 25; Sp. p. 4167; Dr. p. 892; Gaz. vol. 135; p. 1643.
- Phelps, C. C., Salt Lake City, Utah. Attachment for vehicle-wheels. No. 889,805; June 2; Sp. p. 1193; Dr. p. 276; Gaz. vol. 134; p. 1253.
- Phelps, F., Wellston, Okla. Cotton-cleaner. No. 876,394; Jan. 14; Sp. p. 1417; Dr. p. 305; Gaz. vol. 132; p. 264.
- Phelps, F., Wellston, Okla. Press-box. No. 885,784; Apr. 28; Sp. p. 4354; Dr. p. 914; Gaz. vol. 133; p. 1967.
- Phelps, F., Wellston, Okla. Driving mechanism for cotton-gins. No. 890,092; June 9; Sp. p. 1791; Dr. p. 396; Gaz. vol. 134; p. 1370.
- Phelps, F. A., Newark, assignor to Taylor Iron & Steel Company, High Bridge, N. J. Machine for grinding teeth of gear-wheels. No. 903,106; Nov. 3; Sp. p. 1142; Gaz. vol. 137; p. 187.
- Phelps, G. H., Downer, Colo. Manuscript or copy holder. No. 885,677; Apr. 21; Sp. p. 4120; Dr. p. 862; Gaz. vol. 133; p. 1903.
- Phelps, H. P. (See Dow, F., assignor.)
- Phelps, J. H. (See Bowie and Phelps.)
- Phenice, W. H., assignor of one-half to A. B. Simpson, Vernon, Ind. Cover for receptacles. No. 900,583; Oct. 6; Sp. p. 1097; Dr. p. 225; Gaz. vol. 136; p. 1241.
- Phenix Lubricator Company. (See Ward, J. S., assignor.)
- Pheysey, R. G., Ontario, Cal. Electrical heating apparatus. No. 888,923; May 26; Sp. p. 5252; Dr. p. 1114; Gaz. vol. 134; p. 940.
- Philadelphia Drying Machinery Company. (See Allsop and Sibson, assignors.)
- Philadelphia Metallic Bed Company. (See Ireland, A. E., assignor.)
- Philadelphia Textile Machinery Company. (See Schwartz, W. M., assignor.)
- Philadelphia Textile Machinery Company. (See Schwartz and Palen, assignors.)
- Philbrick, W. W., Seattle, Wash. Cutter-head. No. 906,921; Dec. 15; Sp. p. 3487; Gaz. vol. 137; p. 1622.
- Philbrook, E. F., Chicago, Ill. Inhaler. No. 902,832; Nov. 3; Sp. p. 600; Gaz. vol. 137; p. 101.
- Phillip, A., and L. J. Steele, Portsmouth, England. Apparatus for detecting inflammable gases in air. No. 899,068; Sept. 22; Sp. p. 3599; Dr. pp. 770-1; Gaz. vol. 136; p. 680.
- Phillip Smith Manufacturing Company. (See Widmer, C. J., assignor.)
- Philipp, H. (See Foersterling and Philipp.)
- Philipp, J. H., Port Huron, assignor of one-half to C. F. Garaghty, Detroit, Mich. Flax-harvester. No. 878,311; Feb. 4; Sp. p. 857; Dr. p. 170; Gaz. vol. 132; p. 986.
- Philippart, G. (See Fresnaye, J. A. de la, assignor.)
- Philippart, G., Paris, France. Double top. No. 901,037; Oct. 13; Sp. p. 2042; Dr. p. 415; Gaz. vol. 136; p. 1416.
- Phillips, F., assignor to Phillips Pressed Steel Pulley Works, Philadelphia, Pa. Sheet-metal pulley construction. No. 888,845; May 26; Sp. p. 5083; Dr. p. 1085; Gaz. vol. 134; p. 912.
- Phillips Pressed Steel Pulley Works. (See Phillips, F., assignor.)
- Phillippe, E. M., Rural Retreat, Va. Registering mechanism. No. 904,084; Nov. 17; Sp. p. 3145; Gaz. vol. 137; p. 571.
- Phillips, A. D., Waynesburg, Pa. Display apparatus. No. 876,089; Jan. 7; Sp. p. 793; Dr. p. 169; Gaz. vol. 132; p. 134.
- Phillips, A. M., assignor to Le Roy Plow Company, Le Roy, N. Y. Spraying device. No. 896,148; Aug. 18; Sp. p. 2713; Dr. p. 586; Gaz. vol. 135; p. 1388.
- Phillips, A. P., Atlanta, Ga. Foot-measuring device. No. 902,167; Oct. 27; Sp. p. 4388; Dr. p. 888; Gaz. vol. 136; p. 1850.
- Phillips, A. T., Norfolk, Va. Propeller. No. 891,728; June 23; Sp. p. 5170; Dr. p. 1116; Gaz. vol. 134; p. 1975.
- Phillips Automatic Signal Co. (See Phillips, C. C., assignor.)
- Phillips, C. C., assignor to Phillips Automatic Signal Co., Owensboro, Ky. Trolley cut-out. No. 906,279; Dec. 8; Sp. p. 2278; Gaz. vol. 137; p. 1391.
- Phillips, C. H., assignor of one-third to G. W. Giddings, Boston, Mass. Chuck. No. 890,574; June 9; Sp. p. 2760; Dr. p. 610; Gaz. vol. 134; p. 1532.
- Phillips, C. M., and C. M. Royer, Middlebranch, Ohio. Railway-tie. No. 882,906; Mar. 24; Sp. p. 4814; Dr. p. 1023; Gaz. vol. 133; p. 885.
- Phillips, D., Dundee, Scotland. Spindle-driving arrangement of spinning-frames and the like. No. 908,420; Dec. 29; Sp. p. 6610; Gaz. vol. 137; p. 2186.
- Phillips, D. E., Mahanoy City, Pa. Separator for coal, slate, &c. No. 906,280; Dec. 8; Sp. p. 2279; Gaz. vol. 137; p. 1392.
- Phillips, E. A. (See Swain, W. N., assignor.)
- Phillips, E. C., Chicago, Ill., assignor to L. P. Thompson, Cincinnati, Ohio. Platen for type-writing machines. No. 883,909; Apr. 7; Sp. p. 482; Dr. p. 95; Gaz. vol. 133; p. 1269.
- Phillips, E. S., Basin, Mont. Baggage-marker. No. 888,528; May 26; Sp. p. 4396; Dr. p. 932; Gaz. vol. 134; p. 807.
- Phillips, F., Newark, N. J. Sight for firearms. No. 893,649; July 21; Sp. p. 2589; Dr. pp. 539-40; Gaz. vol. 135; p. 475.
- Phillips, F. G., Harrison Mills, British Columbia, Canada. Wheel-flange oiler. No. 893,193; July 14; Sp. p. 1638; Dr. p. 345; Gaz. vol. 135; p. 296.
- Phillips, F. H. (See Fink, W. F., assignor.)
- Phillips, G. H., assignor of one-half to himself and G. F. Soule, Plymouth, Mass. Tire-sealing device. No. 884,294; Apr. 7; Sp. p. 1267; Dr. p. 267; Gaz. vol. 133; p. 1395.
- Phillips, G. M., St. Louis, Mo. Running-gear for vehicles. No. 894,980; Aug. 4; Sp. p. 413; Dr. p. 83; Gaz. vol. 135; p. 961.
- Phillips, G. T., Volantown, Conn. Cartridge-crimper. No. 876,584; Jan. 14; Sp. p. 1838; Dr. p. 401; Gaz. vol. 132; p. 331.
- Phillips, G. W., assignor to Phillips Lawn Boot Company, Cleveland, Ohio. Lawn-boot. No. 882,016; Mar. 17; Sp. p. 3083; Dr. p. 656; Gaz. vol. 133; p. 562.
- Phillips, J., Midland, Ontario, Canada. Lock. No. 884,414; Apr. 14; Sp. p. 1505; Dr. p. 323; Gaz. vol. 133; p. 1463.
- Phillips, J. and W. A., Randolph, Wis. Motor-vehicle. No. 890,173; June 9; Sp. p. 1967; Dr. pp. 433-4; Gaz. vol. 134; p. 1403.
- Phillips, J. A., Bloomfield, Ind. Lifting-jack. No. 900,200; Oct. 6; Sp. p. 268; Dr. p. 54; Gaz. vol. 136; p. 1116.

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- Phillips, J. C., *et al.* (See Lindsay, L. J., assignor.)
 Phillips, J. C., Akron, Ohio. Combined railway rail and bed-plate. No. 898,986; Sept. 15; Sp. p. 3446; Dr. p. 739; Gaz. vol. 136; p. 627.
 Phillips, J. H., Pottsville, Pa. Compressed-air liquid-elevator. No. 880,570; Mar. 3; Sp. p. 162; Dr. p. 35; Gaz. vol. 133; p. 30.
 Phillips, J. H., Jr., Jackson, Mich. Pipe or hose coupling. No. 888,846; May 26; Sp. p. 5084; Dr. p. 1085; Gaz. vol. 134; p. 912.
 Phillips, J. M. and R. F., Carrick, Pa. Running-gear for mine-cars. No. 882,533; Mar. 17; Sp. p. 4061; Dr. p. 864; Gaz. vol. 133; p. 731.
 Phillips, J. M. and R. F., Carrick, Pa. Running-gear for mine-cars. No. 882,534; Mar. 17; Sp. p. 4062; Dr. p. 864; Gaz. vol. 133; p. 732.
 Phillips, J. T., *et al.* (See Lindsay, L. J., assignor.)
 Phillips, J. T., Milan, Mich. Hopple. No. 905,453; Dec. 1; Sp. p. 687; Gaz. vol. 137; p. 1094.
 Phillips, L. E. (See Boardman, J. W., assignor.)
 Phillips, L. J., Choteau, Okla. Sack or bag fastener. No. 899,612; Sept. 29; Sp. p. 4683; Dr. p. 1005; Gaz. vol. 136; p. 894.
 Phillips, L. O. (See Stevenson and Phillips.)
 Phillips, L. R., Collbran, Colo., assignor of one-half to E. E. Merrill, Minneapolis, Minn. Geographical globe. No. 887,740; May 12; Sp. p. 2833; Dr. p. 600; Gaz. vol. 134; p. 492.
 Phillips Lawn Boot Company. (See Phillips, G. W., assignor.)
 Phillips, R., Washington, D. C. Trolley-retriever. No. 879,582; Feb. 18; Sp. p. 3482; Dr. pp. 729-30; Gaz. vol. 132; p. 1474.
 Phillips, R. E., Westminster, London, England. Induction-valve for internal-combustion engines. No. 883,340; Mar. 31; Sp. p. 5673; Dr. p. 1211; Gaz. vol. 133; p. 1057.
 Phillips, R. F. (See Phillips, J. M. and R. F.)
 Phillips, S. F., Ashboro, N. C. Wheel for wheelbarrows. No. 876,585; Jan. 14; Sp. p. 1840; Dr. p. 402; Gaz. vol. 132; p. 331.
 Phillips, T., *et al.* (See Duerr, W., assignor.)
 Phillips, W. (See Gault, J. P., assignor.)
 Phillips, W. A. (See Phillips, J. and W. A.)
 Phillips, W. A., St. Louis, Mo. Composition of matter and manner of making the same. No. 896,240; Aug. 18; Sp. p. 2891; Gaz. vol. 135; p. 1420.
 Phillips, W. A., and F. Hutchins, London, England. Treatment of wires, cords, threads, and the like. No. 902,445; Oct. 27; Sp. p. 4976; Dr. p. 1006; Gaz. vol. 136; p. 1941.
 Phillips, W. E., Collbran, Colo. Attachment for cameras. No. 887,842; May 19; Sp. p. 3076; Dr. pp. 645-6; Gaz. vol. 134; p. 555.
 Phillips, W. H., Columbus, Ohio. Machine for molding concrete blocks. No. 894,744; July 28; Sp. p. 4904; Dr. p. 1020; Gaz. vol. 135; p. 856.
 Phillips, W. P., and S. D. Eubanks, West Durham, N. C. Draw-detecting mechanism for looms. No. 905,920; Dec. 8; Sp. p. 1599; Gaz. vol. 137; p. 1276.
 Phillips, W. S., Wolfrun, W. Va. Hog-trap. No. 902,998; Nov. 3; Sp. p. 944; Gaz. vol. 137; p. 155.
 Phillips, W. T., Los Angeles, Cal. Mop-wringer. No. 879,671; Feb. 18; Sp. p. 3670; Dr. p. 767; Gaz. vol. 132; p. 1503.
 Phillips, A. E., assignor to Wrightsville Hardware Company, Wrightsville, Pa. Handle-fastening. No. 885,286; Apr. 21; Sp. p. 3330; Dr. p. 695; Gaz. vol. 133; p. 1780.
 Philp, C. von, New York, N. Y. Inking device. No. 885,287; Apr. 21; Sp. p. 3331; Dr. p. 696; Gaz. vol. 133; p. 1780.
 Philpot, B. F., Slingerlands, and F. W. Matthews, New York, N. Y., assignors to Indestructible Phonographic Record Company. Phonogram. No. 892,301; June 30; Sp. p. 6308; Dr. p. 1359; Gaz. vol. 134; p. 2197.
 Philpott, F. G., Lindenow, Victoria, Australia. Washboard or attachment thereto. No. 890,923; June 16; Sp. p. 3510; Dr. p. 769; Gaz. vol. 134; p. 1679.
 Phinney, C. H., trustee. (See Clark, E. E., assignor.)
 Phipps, C. D., Fenton, Mich. Ladder. No. 891,729; June 23; Sp. p. 5172; Dr. p. 1116; Gaz. vol. 134; p. 1976.
 Phipps, C. W., and W. J. Steele, Northampton, England; said Steele assignor to said Phipps. Cementing apparatus. No. 885,862; Apr. 28; Sp. p. 4514; Dr. pp. 947-8; Gaz. vol. 133; p. 1994.
 Phipps, M. V., *et al.* (See Bentley, T., assignor.)
 Phlegar, H. M., Williamsport, Pa. Combined advertising fan and score-card. No. 893,096; July 14; Sp. p. 1424; Dr. p. 301; Gaz. vol. 135; p. 264.
 Pianta, C., Chicago, Ill. Burial-case. No. 878,669; Feb. 11; Sp. p. 1662; Dr. p. 342; Gaz. vol. 132; p. 1139.
 Piasser, A., New York, N. Y. Folding bed. No. 895,364; July 14; Sp. p. 1959; Dr. p. 411; Gaz. vol. 135; p. 352.
 Piatkiewicz, A., Chyrow, Austria-Hungary. Piano-violin. No. 907,870; Dec. 29; Sp. p. 5436; Gaz. vol. 137; p. 2000.
 Picard, M. (See Rodé and Picard.)
 Picard, R., Neuilly, Seine, France. Fare-indicator for carriages. No. 886,244; Apr. 28; Sp. p. 5267; Dr. pp. 1109-10; Gaz. vol. 133; p. 2119.
 Pichon, A. P. (See Parant and Pichon.)
 Picht, J., Halle-on-the-Saale, Germany. Horse-power hour-meter. No. 896,755; Aug. 25; Sp. p. 3941; Dr. p. 848; Gaz. vol. 135; p. 1607.
 Pickard, G. W., Amesbury, Mass. Intelligence intercommunication by magnetic-wave components. No. 876,996; Jan. 21; Sp. p. 2691; Dr. p. 585; Gaz. vol. 132; p. 506.
 Pickard, G. W., Amesbury, Mass. Means for receiving intelligence communicated by electric waves. No. 877,451; Jan. 21; Sp. p. 3610; Dr. p. 782; Gaz. vol. 132; p. 657.
 Pickard, G. W., Amesbury, Mass. Oscillation-receiver. No. 886,154; Apr. 28; Sp. p. 5116; Dr. p. 1075; Gaz. vol. 133; p. 2090.
 Pickard, G. W., Amesbury, Mass. Oscillation-receiver. No. 888,191; May 19; Sp. p. 3728; Dr. p. 781; Gaz. vol. 134; p. 666.
 Pickard, G. W., Amesbury, Mass. Electrical condenser. No. 893,811; July 21; Sp. p. 2989; Dr. p. 613; Gaz. vol. 135; p. 530.
 Pickard, G. W., Amesbury, Mass. Oscillation-detecting means for receiving intelligence communicated by electric waves. No. 904,222; Nov. 17; Sp. p. 3450; Gaz. vol. 137; p. 620.
 Pickel, E., Portland, Oreg. Advertising-machine. No. 881,616; Mar. 10; Sp. p. 2249; Dr. pp. 488-9; Gaz. vol. 133; p. 405.
 Picken, A., Norfolk, Va. Counting and canceling apparatus. No. 897,485; Sept. 1; Sp. p. 494; Dr. p. 105; Gaz. vol. 136; p. 70.
 Piekens, J. C., assignor of one-half to R. N. Bunn, Chicago, Ill. Package-tier. No. 904,223; Nov. 17; Sp. p. 3456; Gaz. vol. 137; p. 620.
 Pickett, C. (See Koss, J., assignor.)
 Pickett, M. B., Maywood, assignor of one-half to R. F. Palmer, Chicago, Ill. Crushing-tongs. No. 886,401; May 5; Sp. p. 120; Dr. p. 23; Gaz. vol. 134; p. 25.
 Pickett, S. F., and L. D. Sanders, Woodlawn, Mo. Pump-operating mechanism. No. 903,312; Nov. 10; Sp. p. 1546; Gaz. vol. 137; p. 285.
 Pickles, A., Jackson, Mich. Basin-faucet. No. 895,365; July 14; Sp. p. 1960; Dr. p. 411; Gaz. vol. 135; p. 353.
 Pickles, C. K., Danville, Ill., assignor to J. G. Brill Company, Philadelphia, Pa. Car. No. 883,230; Mar. 31; Sp. p. 5466; Dr. pp. 1164-5; Gaz. vol. 133; p. 1022.
 Pickles, C. K., St. Louis, Mo., assignor to J. A. Brill, Philadelphia, Pa. Car-seat. No. 894,227; July 28; Sp. p. 3867; Dr. pp. 800-1; Gaz. vol. 135; p. 686.
 Pickles, C. K., St. Louis, Mo., assignor to J. G. Brill Company. Car. No. 905,359; Dec. 1; Sp. p. 463; Gaz. vol. 137; p. 1061.
 Pickop, G. B., assignor to F. & F. Corbin, New Britain, Conn. Vibrator. No. 893,868; July 21; Sp. p. 3116; Dr. p. 639; Gaz. vol. 135; p. 548.
 Pickop, G. B., and J. W. Mills, New Britain, Conn. Jacket for cylinders. No. 901,369; Oct. 20; Sp. p. 2698; Dr. p. 554; Gaz. vol. 136; p. 1559.
 Picotte, T. E. (See Clifton, C. C., assignor.)
 Pidelaserra y Brias, A. and M., Barcelona, Spain. Manufacture of copying-paper. No. 901,824; Oct. 20; Sp. p. 3689; Gaz. vol. 136; p. 1709.
 Pidelaserra y Brias, M. (See Pidelaserra y Brias, A. and M.)
 Piel, A. M., *et al.* (See Stein, P. F., assignor.)
 Pieper, F. J., Salt Lake City, Utah. Hair-tonic. No. 879,191; Feb. 18; Sp. p. 2674; Gaz. vol. 132; p. 1346.
 Pieper, H., Liege, Belgium. Valve mechanism for four-stroke explosion-engines. No. 906,819; Dec. 15; Sp. p. 3287; Gaz. vol. 137; p. 1590.
 Pierce, A., Seville, assignor to J. P. Heckman, Creston, Ohio. Concrete-block machine. No. 901,825; Oct. 20; Sp. p. 3690; Dr. p. 749; Gaz. vol. 136; p. 1710.
 Pierce, C. A., Manchester, N. H., assignor to E. Dixon, Bristol, Tenn. Top-roll saddle and stirrup. No. 898,919; Sept. 15; Sp. p. 3332; Dr. p. 714; Gaz. vol. 136; p. 605.
 Pierce, C. E., Edmore, N. D. Whip-socket. No. 876,658; Jan. 14; Sp. p. 2014; Dr. p. 439; Gaz. vol. 132; p. 357.
 Pierce, C. R., Rainier, Wash. Saw-jointer. No. 882,961; Mar. 24; Sp. p. 4922; Dr. p. 1044; Gaz. vol. 133; p. 905.
 Pierce, C. S. (See Reinhardt, L. W., assignor.)
 Pierce, C. S., Brockton, Mass. Feed-guide for trimming and skiving machines. No. 880,038; Feb. 25; Sp. p. 4456; Dr. p. 935; Gaz. vol. 132; p. 1657.
 Pierce, D. C., Newrytown, Pa. Wrench. No. 884,851; Apr. 14; Sp. p. 2442; Dr. p. 513; Gaz. vol. 133; p. 1608.
 Pierce, E. L., Everett, assignor to C. S. Knowles, New Bedford, Mass. Outlet-box. No. 904,011; Nov. 17; Sp. p. 2997; Gaz. vol. 137; p. 546.
 Pierce, F., assignor to Lincoln Iron Works, Rutland, Vt. Polishing-head. No. 904,805; Nov. 24; Sp. p. 4685; Gaz. vol. 137; p. 842.
 Pierce, F. A. (See Conniff and Pierce.)

Alphabetical list of patentees—Continued.

- Pierce, F. A., Wheeling, W. Va., assignor of one-half to J. T. Travers and J. E. Oswald, Bellaire, Ohio. Valve mechanism for air-brak apparatus. No. 893,261; July 14; Sp. p. 1765; Dr. p. 372; Gaz. vol. 135; p. 318.
- Pierce, F. C., Shoshone, Idaho. Apparatus for deflecting frazil and anchor ice from power-streams. No. 888,924; May 26; Sp. p. 5254; Dr. p. 1115; Gaz. vol. 134; p. 941.
- Pierce, F. E. (See Palmer and Pierce.)
- Pierce, G. H., McIlrose, Mass. Printing-press. No. 879,897; Feb. 25; Sp. p. 4174; Dr. pp. 871-2; Gaz. vol. 132; p. 1610.
- Pierce, G. W., Cambridge, assignor to Massachusetts Wireless Equipment Company, Boston, Mass. Rectifier for alternating currents. No. 879,061; Feb. 11; Sp. p. 2383; Dr. p. 501; Gaz. vol. 132; p. 1263.
- Pierce, G. W., Cambridge, assignor to Massachusetts Wireless Equipment Company, Boston, Mass. Rectifier and detector. No. 879,062; Feb. 11; Sp. p. 2392; Dr. p. 501; Gaz. vol. 132; p. 1263.
- Pierce, G. W., Cambridge, assignor to Massachusetts Wireless Equipment Company, Boston, Mass. Rectifier and detector. No. 879,117; Feb. 11; Sp. p. 2529; Dr. p. 526; Gaz. p. 132; p. 1280.
- Pierce, G. W., Cambridge, Mass., assignor to Massachusetts Wireless Equipment Company. Wireless telegraphy. No. 879,409; Feb. 18; Sp. p. 3116; Dr. pp. 647-8; Gaz. vol. 132; p. 1418.
- Pierce, H., Seattle, Wash. Reversible turbine-engine. No. 883,910; Apr. 7; Sp. p. 483; Dr. pp. 95-6; Gaz. vol. 133; p. 1269.
- Pierce, H., Seattle, Wash. Rotary engine. No. 883,911; Apr. 7; Sp. p. 486; Dr. pp. 96-7; Gaz. vol. 133; p. 1270.
- Pierce, H., assignor of one-half to F. A. Briggs, Kansas City, Mo. Tracker-board. No. 895,392; Aug. 4; Sp. p. 1223; Dr. p. 258; Gaz. vol. 135; p. 1099.
- Pierce, H., Kansas City, Kans., assignor of one-half to F. A. Briggs, Kansas City, Mo. Valve system and tracker-board. No. 899,469; Sept. 22; Sp. p. 4372; Dr. p. 938; Gaz. vol. 136; p. 809.
- Pierce, H., Kansas City, Kans., assignor of one-half to F. A. Briggs, Kansas City, Mo. Music-sheet. No. 899,470; Sept. 22; Sp. p. 4375; Dr. p. 939; Gaz. vol. 136; p. 810.
- Pierce, J. F., Tampa, Fla. Electric-light stand. No. 903,499; Nov. 10; Sp. p. 1930; Gaz. vol. 137; p. 347.
- Pierce, J. H., Chicago, Ill. Corn-silker. No. 885,373; Apr. 21; Sp. p. 3522; Dr. pp. 735-7; Gaz. vol. 133; p. 1809.
- Pierce, J. H., assignor, by mesne assignments, to General Machinery Company, Bay City, Mich. Internal-combustion engine. No. 891,366; June 23; Sp. p. 4425; Dr. p. 963; Gaz. vol. 134; p. 1856.
- Pierce, L. (See Hamilton and Pierce.)
- Pierce, W. S., assignor to Union Powder Company, Seattle, Wash. Explosive. No. 892,302; June 30; Sp. p. 6309; Gaz. vol. 134; p. 2197.
- Pierce, W. Z., Dexter, Tex. Animal-trap. No. 887,843; May 19; Sp. p. 3079; Dr. p. 646; Gaz. vol. 133; p. 555.
- Pierce, W. Z., Dexter, Tex. Trap. No. 897,396; Sept. 1; Sp. p. 321; Dr. p. 67; Gaz. vol. 136; p. 49.
- Pierman, A. N., Newark, assignor to New Jersey Patent Company, West Orange, N. J. Sound-reproducer. No. 891,367; June 23; Sp. p. 4426; Dr. p. 964; Gaz. vol. 134; p. 1857.
- Pierpont, F. H., Horley, England, assignor to United Bottle Machinery Co. Machine for the manufacture of glass bottles and other vessels. No. 900,037; Sept. 29; Sp. p. 5599; Dr. p. 1195; Gaz. vol. 136; p. 1033.
- Pierpont, F. H., Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Measuring-machine. No. 904,560; Nov. 24; Sp. p. 4168; Gaz. vol. 137; p. 759.
- Pierson, A. S., Morristown, N. J. Reinforcing and tension device for concrete structures. No. 880,820; Mar. 3; Sp. p. 670; Dr. p. 141; Gaz. vol. 133; p. 116.
- Pierson, A. S., Morristown, N. J. Shutter-worker. No. 883,341; Mar. 31; Sp. p. 5676; Dr. p. 1212; Gaz. vol. 133; p. 1057.
- Pierson, G. S., Kalamazoo, Mich. Carbureter. No. 895,920; Sept. 15; Sp. p. 3334; Dr. p. 714; Gaz. vol. 136; p. 606.
- Pierson, H. M., New York, N. Y. Apparatus for manufacturing gas. No. 882,907; Mar. 24; Sp. p. 4815; Dr. p. 1023; Gaz. vol. 133; p. 885.
- Pierson, H. M., New York, N. Y. Manufacturing gas. No. 882,908; Mar. 24; Sp. p. 4817; Dr. p. 1023; Gaz. vol. 133; p. 886.
- Pierson, H. M., New York, N. Y. Manufacturing gas. No. 882,909; Mar. 24; Sp. p. 4819; Dr. p. 1024; Gaz. vol. 133; p. 887.
- Pierson, J., Pigeon Cove, Mass. Rock-cleaving machine. No. 879,063; Feb. 11; Sp. p. 2394; Dr. p. 501; Gaz. vol. 132; p. 1263.
- Pierson, J., Jr., Ashley, Okla. Agricultural implement. No. 904,498; Nov. 17; Sp. p. 4043; Gaz. vol. 137; p. 712.
- Pierson, R. S. (See Prater and Pierson.)
- Piester, L. M., Weatherford, Tex. Spring-tooth harrow. No. 889,259; June 2; Sp. p. 127; Dr. p. 31; Gaz. vol. 134; p. 1079.
- Pietila, F. (See Askeli, Jackson, and Pietila.)
- Pietila, F. (See Askeli and Pietila.)
- Pietzsch, S. (See Adolph and Pietzsch, assignors.)
- Pifer, A. A., assignor to Cleveland Armature Works, Cleveland, Ohio. Cable-drum. No. 899,613; Sept. 29; Sp. p. 4684; Dr. p. 1005; Gaz. vol. 136; p. 894.
- Pifer, A. A., and C. E. F. Ahlm, assignors, by mesne assignments, to F. B. Wagner, Cleveland, Ohio. Variable-speed motor. No. 900,420; Oct. 6; Sp. p. 728; Dr. p. 152; Gaz. vol. 136; p. 1188.
- Pifer, C. W., et al. (See Williams, W. S., assignor.)
- Pifer, G. N., Cleveland, Ohio. Coating-machine. No. 877,120; Jan. 21; Sp. p. 2950; Dr. p. 638; Gaz. vol. 132; p. 548.
- Piggins, C. R., assignor of one-half to F. Piggins, Racine, Wis. Casing and cylinder construction for gas-engines and thelike. No. 898,678; Sept. 15; Sp. p. 2901; Dr. pp. 620-1; Gaz. vol. 136; p. 527.
- Piggins, F. (See Piggins, C. R., assignor.)
- Pihl, C. J., assignor to G. W. Pearson, Lowell, Mass. Lubricating device. No. 894,745; July 28; Sp. p. 4906; Dr. p. 1021; Gaz. vol. 135; p. 856.
- Pike Adding Machine Company. (See Pike, W. H., Jr., assignor.)
- Pike, C. A., Paw Paw, Mich. Weather-strip. No. 882,343; Mar. 17; Sp. p. 3711; Dr. p. 789; Gaz. vol. 133; p. 668.
- Pike, C. F., assignor to C. F. Van Horn, Philadelphia, Pa. Signal system for electric railways. No. 878,894; Feb. 11; Sp. p. 2094; Dr. pp. 436-7; Gaz. p. 132; p. 1211.
- Pike, H. A. (See Lillis and Pike.)
- Pike, H. A., New York, N. Y. Flexible stay-bolt. No. 876,912; Jan. 14; Sp. p. 2481; Dr. p. 542; Gaz. vol. 132; p. 437.
- Pike, H. A., New York, N. Y. Coffee-pot. No. 882,712; Mar. 24; Sp. p. 4409; Dr. pp. 937-8; Gaz. vol. 133; p. 822.
- Pike, J. G., Silver City, N. C. Shingle-sawing machine. No. 883,912; Apr. 7; Sp. p. 489; Dr. p. 97; Gaz. vol. 133; p. 1270.
- Pike, M., Philadelphia, Pa. Snap-hook. No. 895,190; Aug. 4; Sp. p. 825; Dr. p. 173; Gaz. vol. 135; p. 1032.
- Pike, M., Philadelphia, Pa. Fire-escape. No. 896,241; Aug. 18; Sp. p. 2894; Dr. p. 624; Gaz. vol. 135; p. 1420.
- Pike, N. H., Muncie, Ind. Coating device. No. 891,564; June 23; Sp. p. 4824; Dr. p. 1042; Gaz. vol. 134; p. 1921.
- Pike, O. S., Malden, Mass., assignor to American Pneumatic Service Company, Dover, Del. Cushioning device for pistons. No. 886,402; May 5; Sp. p. 122; Dr. p. 23; Gaz. vol. 134; p. 26.
- Pike, R. D., Berkeley, Cal. Treating molasses. No. 900,584; Oct. 6; Sp. p. 1098; Dr. p. 225; Gaz. vol. 136; p. 1241.
- Pike, W. H., Jr., South Orange, assignor to Pike Adding Machine Company, Orange, N. J. Operating device for calculating-machines. No. 876,232; Jan. 7; Sp. p. 1062; Dr. pp. 229-30; Gaz. vol. 132; p. 180.
- Pike, W. H., Jr., assignor to Pike Adding Machine Company, Orange, N. J. Operating device for calculating-machines. No. 904,561; Nov. 24; Sp. p. 4170; Gaz. vol. 137; p. 760.
- Piland, E., Toppenish, Wash. Mail-bag catcher. No. 876,835; Jan. 14; Sp. p. 2324; Dr. p. 511; Gaz. vol. 132; p. 411.
- Pilgrim Paper Company. (See Dunn, C. E., assignor.)
- Pilia, V., California, Pa. Rail-bending device. No. 888,847; May 26; Sp. p. 5090; Dr. p. 1086; Gaz. vol. 134; p. 913.
- Pilia, V., and H. Booker, California, Pa. Folding chair. No. 890,705; June 16; Sp. p. 3061; Dr. p. 671; Gaz. vol. 134; p. 1608.
- Pilkington, J. H., Waterbury, Conn. Clasp. No. 883,231; Mar. 31; Sp. p. 5468; Dr. p. 1165; Gaz. vol. 133; p. 1023.
- Pilkington, J. H., Waterbury, Conn. Garment-clasp. No. 884,040; Apr. 7; Sp. p. 755; Dr. p. 157; Gaz. vol. 133; p. 1313.
- Pilkington, W. W. (See Carr, J. W., assignor.)
- Pill, E. (See Hinman, C. E., assignor.)
- Pilling, J. L., assignor to J. L. Pilling Company, Chicago, Ill. Reversible oscillating engine. No. 905,747; Dec. 1; Sp. p. 1253; Gaz. vol. 137; p. 1188.
- Pilling, J. L., assignor to J. L. Pilling Company, Chicago, Ill. Oscillating engine. No. 905,748; Dec. 1; Sp. p. 1256; Gaz. vol. 137; p. 1188.
- Pilliod, C. J., Angola, Ind., and A. D. Baker, assignors to F. E. Pilliod, trustee, Swanton, Ohio. Valve-gear. No. 902,603; Nov. 3; Sp. p. 148; Gaz. vol. 137; p. 24.
- Pilliod, F. E. (See Pilliod and Baker, assignors.)
- Pillmore, W. F., and D. Anderegg, Westernville, N. Y. Canning apparatus. No. 898,002; Sept. 8; Sp. p. 1574; Dr. p. 336; Gaz. vol. 136; p. 279.
- Pillsbury, I. L., Galesburg, Ill. Device for repairing flowers. No. 905,573; Dec. 1; Sp. p. 935; Gaz. vol. 137; p. 1132.
- Pilschour, C. W., Barmen, Germany. Reel for winding-machines. No. 881,149; Mar. 10; Sp. p. 1314; Dr. p. 284; Gaz. vol. 133; p. 254.
- Pim, C. A. (See Strange and Pim.)
- Pin, F., Garennes-Colombes, France. Protecting-envelop for furnaces. No. 907,280; Dec. 22; Sp. p. 4215; Gaz. vol. 137; p. 1775.
- Pindstoft, A. A., Frederiksberg, Denmark. Bottle-cleaning machine. No. 882,962; Mar. 24; Sp. p. 4923; Dr. p. 1044; Gaz. vol. 133; p. 905.

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- Pindstofte, A. A., Fredericksberg, near Copenhagen, Denmark. Revolving bottle-filling apparatus. No. 895,191; Aug. 4; Sp. p. 826; Dr. p. 174; Gaz. vol. 135; p. 1032.
- Pindstofte, A. A., Fredericksberg, Denmark. Pasteurizing apparatus. No. 904,986; Nov. 24; Sp. p. 5055; Gaz. vol. 137; p. 901.
- Pindstofte, A. A., Copenhagen, Denmark. Bottling apparatus. No. 885,785; Apr. 28; Sp. p. 4357; Dr. p. 914; Gaz. vol. 133; p. 1968.
- Pine, G. T., Scott Depot, W. Va. Account-keeper. No. 893,366; July 14; Sp. p. 1962; Dr. p. 412; Gaz. vol. 135; p. 353.
- Pine-Thrig Machine Company. (See Pine, W. J., assignor.)
- Pine, J. K. P., assignor to United Shirt and Collar Company, Troy, N. Y. Collar. No. 882,415; Mar. 17; Sp. p. 3827; Dr. p. 817; Gaz. vol. 133; p. 691.
- Pine, W. J., assignor to Pine-Thrig Machine Company, Oshkosh, Wis. Machine for coiling and weaving wire. No. 887,224; May 12; Sp. p. 1741; Dr. pp. 369-72; Gaz. vol. 134; p. 318.
- Pineau, J. M. (See Farmer, A. R., assignor.)
- Pinegar, J. M. and R. E., Lawrenceburg, Tenn. Twine-holder. No. 904,722; Nov. 24; Sp. p. 4496; Gaz. vol. 137; p. 813.
- Pinegar, R. E. (See Pinegar, J. M. and R. E.)
- Pinet, A., Quincy, Mass. Bush-hammer. No. 878,559; Feb. 11; Sp. p. 1428; Dr. p. 292; Gaz. vol. 132; p. 1102.
- Pinel, J., Montreuil-sous-Bois, France. Machine for casting and setting printing-type. No. 890,706; June 16; Sp. p. 3063; Dr. pp. 671-6; Gaz. vol. 134; p. 1608.
- Pinelli, C. (See Goldsmith, C., assignor.)
- Pines, P. A., Leyton, London, England. Brush-handle. No. 901,736; Oct. 20; Sp. p. 3521; Dr. p. 712; Gaz. vol. 136; p. 1682.
- Ping, R. G., assignor of one-half to S. A. McHargue, Audubon, Iowa. Gate. No. 885,288; Apr. 21; Sp. p. 3333; Dr. p. 696; Gaz. vol. 133; p. 1780.
- Pingret, V., Rio Grande do Sul, Brazil. Elastic-fluid motor. No. 901,258; Oct. 13; Sp. p. 2437; Dr. pp. 500-1; Gaz. vol. 136; p. 1485.
- Pink, J. J., assignor to Viaseco Manufacturing Company, Chicago, Ill. Light-shield for moving-picture machines. No. 892,547; July 7; Sp. p. 298; Dr. p. 65; Gaz. vol. 135; p. 56.
- Pinkerton, A., New York, N. Y. Picture-displaying cabinet. No. 902,833; Nov. 3; Sp. p. 601; Gaz. vol. 137; p. 102.
- Pinkerton, H. J., assignor of one-half to W. H. Benteen, Watsonville, Cal. Apple quartering and trimming machine. No. 900,949; Oct. 13; Sp. p. 1872; Dr. pp. 381-2; Gaz. vol. 136; p. 1387.
- Pinkham, D. D., Longview, Tex. Window and door screen. No. 903,500; Nov. 10; Sp. p. 1932; Gaz. vol. 137; p. 348.
- Pinkham, M. B. (See Swazey and Pinkham.)
- Pinkham, W. F. (See Noyes, M. E., assignor.)
- Pinnell, B. E., Prospect, Ky. Lubricator. No. 903,766; Nov. 10; Sp. p. 2457; Gaz. vol. 137; p. 430.
- Pinson, B. F., Jr., Skiatook, Okla. Truss-braced tree. No. 883,342; Mar. 31; Sp. p. 5677; Dr. p. 1212; Gaz. vol. 133; p. 1057.
- Pintsch, Firm of J. (See Würker, A., assignor.)
- Pioneer Pole and Shaft Company. (See Hartley, G. F., assignor.)
- Pioneer Suspender Company. (See Berkey, H. E., assignor.)
- Piper, F. A., assignor of one-half to J. M. Whittemore, Redlands, Cal. Tie-plate. No. 902,446; Oct. 27; Sp. p. 4978; Dr. p. 1006; Gaz. vol. 136; p. 1941.
- Piper, F. R., Canton, Ohio. Adding-machine. No. 895,678; Aug. 11; Sp. p. 1802; Dr. p. 884; Gaz. vol. 135; p. 1216.
- Piper, H. H., assignor of thirteen-twentieths to R. T. Henderson, Jackson, Mo. Folding seat for vehicles. No. 884,204; Apr. 7; Sp. p. 1115; Dr. p. 233; Gaz. vol. 133; p. 1366.
- Piper, H. L., Montreal, Quebec, Canada. Classification and marker railway-lamp. No. 887,122; May 12; Sp. p. 1560; Dr. pp. 330-1; Gaz. vol. 134; p. 288.
- Piper, J. (See Piper, J. W., assignor.)
- Piper, J. J., Centralia, and J. P. Borman, Edwardsville, Ill. Bottle. No. 897,139; Aug. 25; Sp. p. 4770; Dr. p. 1015; Gaz. vol. 135; p. 1737.
- Piper, J. W., Lowell, Mass., assignor of one-half to J. Piper, Brooklyn, N. Y. Vertically-adjustable grate. No. 899,677; Sept. 29; Sp. p. 4820; Dr. p. 1032; Gaz. vol. 136; p. 914.
- Piper, P., Ladysmith, Wis. Fishing-pole. No. 902,447; Oct. 27; Sp. p. 4980; Dr. p. 1006; Gaz. vol. 136; p. 1942.
- Pippen, H. L., Whitakers, N. C. Peanut-gleaner. No. 887,015; May 5; Sp. p. 1344; Dr. p. 285; Gaz. vol. 134; p. 223.
- Piquotte, D. H., Buffalo, N. Y. Lock for sliding doors. No. 896,149; Aug. 18; Sp. p. 2714; Dr. p. 586; Gaz. vol. 135; p. 1388.
- Pirk, J., assignor to Dayton Hydraulic Machinery Company, Dayton, Ohio. Centrifugal pump and water-wheel. No. 897,397; Sept. 1; Sp. p. 322; Dr. pp. 67-9; Gaz. vol. 136; p. 49.
- Pishek, J., near Van Metre, S. D. Trap-door attachment. No. 892,080; June 30; Sp. p. 5874; Dr. p. 1264; Gaz. vol. 134; p. 2122.
- Piso Company. (See Schlosser and Fisher, assignors.)
- Pitcher, H. T., Mount Pleasant, Iowa. Fold-holding device. No. 891,730; June 23; Sp. p. 5173; Dr. p. 1117; Gaz. vol. 134; p. 1976.
- Pitcher, T. W., Bayonne, N. J., assignor to Renta Water Heater Co. Water-heater. No. 895,584; Aug. 11; Sp. p. 1618; Dr. p. 341; Gaz. vol. 135; p. 1185.
- Pitkin, C. F., San Francisco, Cal. Paper box. No. 879,488; Feb. 18; Sp. p. 3278; Dr. p. 685; Gaz. vol. 132; p. 1443.
- Pittman, T. A., Tacoma, Wash. Steam throttle-valve. No. 903,767; Nov. 10; Sp. p. 2458; Gaz. vol. 137; p. 431.
- Pitner, M. W., Chicago, Ill. Sheet-metal gage or grating. No. 878,999; Feb. 11; Sp. p. 2286; Dr. p. 477; Gaz. vol. 132; p. 1243.
- Pitner, M. W., Chicago, Ill. Non-refillable bottle. No. 879,000; Feb. 11; Sp. p. 2288; Dr. p. 478; Gaz. vol. 132; p. 1244.
- Pitner, M. W., Chicago, Ill. Check-valve. No. 882,416; Mar. 17; Sp. p. 3828; Dr. p. 817; Gaz. vol. 133; p. 691.
- Pitner, M. W., Chicago, Ill. Valve for hydrocarbon lighting systems. No. 904,987; Nov. 24; Sp. p. 5057; Gaz. vol. 137; p. 902.
- Pitner, M. W., Chicago, Ill. Hydrocarbon-lamp. No. 906,922; Dec. 15; Sp. p. 3488; Gaz. vol. 137; p. 1622.
- Pitney, J. M., Jr., Lorain, Ohio. Continuous track-light and automatic signal. No. 897,304; Sept. 1; Sp. p. 65; Dr. p. 16; Gaz. vol. 136; p. 15.
- Pitrat, E. J., Urbana, Ill. Telephone-transmitter. No. 894,460; July 28; Sp. p. 4361; Dr. p. 899; Gaz. vol. 135; p. 764.
- Pitt, E. D., Niagara Falls, Ontario, Canada, and L. G. Robinson, Plattsburg, N. Y. Metallic reinforcement for concrete structures. No. 881,617; Mar. 10; Sp. p. 2251; Dr. p. 489; Gaz. vol. 133; p. 406.
- Pitt, W. P., Independence, assignor to Irving-Pitt Mfg. Co., Kansas City, Mo. Loose-leaf book. No. 876,395; Jan. 14; Sp. p. 1418; Dr. p. 305; Gaz. vol. 132; p. 265.
- Pittler, J. W., von Berlin, Germany. Rotary engine. No. 894,391; July 28; Sp. p. 4219; Dr. p. 870; Gaz. vol. 135; p. 741.
- Pittman, C. J., Redfern, assignor of one-half to J. Ireland, Sydney, New South Wales, Australia. Differential gear for motor-vehicles. No. 901,826; Oct. 20; Sp. p. 3691; Dr. p. 7-9; Gaz. vol. 136; p. 1710.
- Pittman, J. H. (See Hudson, E., assignor.)
- Pittman, K. (See MacKaskie, F. M., assignor.)
- Pittman, R. H., assignor of one-half to J. D. Kellock, New Bedford, Mass. Lock. No. 905,574; Dec. 1; Sp. p. 936; Gaz. vol. 137; p. 1132.
- Pittman, V. V., Santa Cruz, Cal. Lock-pin. No. 901,827; Oct. 26; Sp. p. 3692; Dr. p. 750; Gaz. vol. 136; p. 1710.
- Pitts, C. A., Callahan, Cal. Railway signal apparatus. No. 890,094; June 9; Sp. p. 1796; Dr. p. 397; Gaz. vol. 134; p. 1376.
- Pitts, R. W. (See Flewellin and Pitts.)
- Pittsburg Coal Washer Company. (See Knoyer, W. A., assignor.)
- Pittsburg Pneumatic Company. (See Johnson, C. H., assignor.)
- Pittsburg Pneumatic Company. (See Ross, A. F., assignor.)
- Pittsburg Water Heater Company. (See Frampton, R. C., assignor.)
- Pittsburgh Equipment Company. (See Allison, J., assignor.)
- Pittsburgh Equipment Company. (See Pulliam, O. S., assignor.)
- Pittsburgh Equipment Company. (See Richardson, W. P., assignor.)
- Pittsburgh Filter Manufacturing Co. (See Knight, G. W., assignor.)
- Pittsburgh Filter Manufacturing Company. (See Jones and Hansen, assignors.)
- Pittsburgh Filter Manufacturing Company. (See Jones and Leopold, assignors.)
- Pittsburgh Gage & Supply Company. (See Haller, H. E., assignor.)
- Pittsburgh Gage & Supply Company. (See Moock, P. E., assignor.)
- Pittsburgh Steel Foundry. (See Hassel, G. A., assignor.)
- Pittsfield Spark Coil Company. (See Field, S. D., assignor.)
- Pittsfield Spark Coil Company. (See Jacobson, E. B., assignor.)
- Pitzer, G. E., et al. (See Cooper, J., assignor.)
- Piver, J. W., Lakeland, Fla. Tongue-and-groove joint for flooring. No. 883,049; Mar. 24; Sp. p. 5078; Dr. p. 1083; Gaz. vol. 133; p. 932.
- Pixley, J. F., et al. (See DeVilbiss, A., Jr., assignor.)
- Pizozik, S., assignor of one-half to J. Roesser, Baltimore, Md. Railway signal device. No. 899,840; Sept. 29; Sp. p. 5164; Dr. pp. 1105-6; Gaz. vol. 136; p. 968.
- Place, F. E., Chicago, and M. L. Jenkins, Harvey, assignors to Buda Foundry & Manufacturing Company, Chicago, Ill. Jack. No. 900,585; Oct. 6; Sp. p. 1099; Dr. p. 225; Gaz. vol. 136; p. 1242.
- Place, J. F., Glenridge, N. J., assignor to American Air Liquefying Co. Insulated container for liquid air, &c. No. 883,479; Mar. 31; Sp. p. 5992; Dr. p. 1278; Gaz. vol. 133; p. 1104.

Alphabetical list of patentees—Continued.

- Place, J. F., Glenridge, N. J., assignor to American Air Liquefying Co. Apparatus for liquefying air. No. 895,192; Aug. 4; Sp. p. 827; Dr. pp. 174-5; Gaz. vol. 135; p. 1032.
- Place, J. W., Tuckahoe, N. Y. Fastener. No. 905,454; Dec. 1; Sp. p. 688; Gaz. vol. 137; p. 1095.
- Plagman, A., assignor to White Lily Manufacturing Company, Davenport, Iowa. Gearing for washing-machines. No. 895,585; Aug. 11; Sp. p. 1620; Dr. p. 341; Gaz. vol. 135; p. 1186.
- Plamondon, A. D. (See Rice, N. B., assignor.)
- Plamondon, C. A., *et al.* (See Prinz, W. H., assignor.)
- Plamondon, G., *et al.* (See Prinz, W. H., assignor.)
- Planchon, V., Lyon, France. Apparatus for the manufacture of collodion filaments. No. 888,260; May 19; Sp. p. 3854; Dr. p. 810; Gaz. vol. 134; p. 693.
- Plane, W. H., Chicago, Ill. Tobacco-pipe. No. 879,796; Feb. 18; Sp. p. 3902; Dr. p. 818; Gaz. vol. 132; p. 1543.
- Planett, C. F., assignor to C. H. Truesdell, Laporte, Ind. Machine for applying liquid to moldings. No. 903,313; Nov. 10; Sp. p. 1547; Gaz. vol. 137; p. 286.
- Plank, G. A., Independence, Mo., assignor to Ohio Cultivator Company, Bellevue, Ohio. Cultivator. No. 903,882; Nov. 17; Sp. p. 2727; Gaz. vol. 137; p. 503.
- Plank, J. C., and T. E. Fulghum, Grand Junction, Colo. Heater. No. 904,642; Nov. 24; Sp. p. 4330; Gaz. vol. 137; p. 787.
- Plank, W. C., Las Flores, Lower California, Mexico. Gas-engine igniter. No. 898,779; Sept. 15; Sp. p. 3079; Dr. p. 659; Gaz. vol. 136; p. 559.
- Plankinton, W. W. (See Silverston, A. R., assignor.)
- Plant, O., *et al.* (See Shank, A. W., assignor.)
- Plant, T. G. (See Bohr, N. C., assignor.)
- Plant, T. G. (See Cummings, H. H., assignor.)
- Plant, T. G. (See Glass, P. R., assignor.)
- Plant, T. G. (See Heys, J. J., assignor.)
- Plant, T. G. (See Hooper, W. H., assignor.)
- Plant, T. G. (See Phelan, M. D., assignor.)
- Plant, T. G. (See Stewart, G. F., assignor.)
- Plant, T. G. (See Stewart, W. C., assignor.)
- Plant, T. G., Boston, Mass., assignor to Manufacturers Machine Company, Montclair, N. J. Welt and thread cutting means for sewing-machines. No. 877,858; Jan. 28; Sp. p. 4406; Dr. pp. 959-60; Gaz. vol. 132; p. 808.
- Plant, T. G., Boston, Mass., assignor to Manufacturers Machine Company, Montclair, N. J. Welt-measuring means for sewing-machines. No. 877,859; Jan. 28; Sp. p. 4410; Dr. p. 960; Gaz. vol. 132; p. 809.
- Planta, E. v., and F. Adam, Berne, Switzerland. Brake mechanism. No. 899,069; Sept. 22; Sp. p. 3602; Dr. p. 771; Gaz. vol. 136; p. 680.
- Plante, T., *et al.* (See Berard, J. S., assignor.)
- Plantinga, P., Cleveland, Ohio. Gas-scrubbing apparatus. No. 890,450; June 9; Sp. p. 2520; Dr. p. 557; Gaz. vol. 134; p. 1491.
- Plantinga, P., Cleveland, Ohio. Apparatus for manufacturing water-gas. No. 892,548; July 7; Sp. p. 300; Dr. p. 66; Gaz. vol. 135; p. 57.
- Plass, A., New York, N. Y. Device for opening and closing window-sashes. No. 876,487; Jan. 14; Sp. p. 1622; Dr. pp. 351-2; Gaz. vol. 132; p. 296.
- Plass, H. E., assignor to Howard Miniature Lamp Company, Newark, N. J. Electric-lamp receptacle. No. 876,233; Jan. 7; Sp. p. 1064; Dr. p. 230; Gaz. vol. 132; p. 180.
- Plass, W. F., New York, N. Y. Sash-operating mechanism. No. 889,544; June 2; Sp. p. 704; Dr. p. 162; Gaz. vol. 134; p. 1170.
- Platt, C. D., assignor to Bryant Electric Company, Bridgeport, Conn. Sign-receptacle. No. 903,768; Nov. 10; Sp. p. 2460; Gaz. vol. 137; p. 431.
- Platt, L. A. (See Platt, O. S. and L. A.)
- Platt, O. S. and L. A., Casey, Ill., assignors to E. E. Kirkpatrick, trustee, Delphi, Ind. Boiler-cleaner. No. 892,617; July 7; Sp. p. 419; Dr. p. 93; *Gaz. vol. 135; p. 78.
- Platts, H. N., Bradford, Pa. Apparatus for wiring boxes, &c. No. 908,325; Dec. 29; Sp. p. 6408; Gaz. vol. 137; p. 2152.
- Platz, V., Jr., Toledo, Ohio. Snare-drum. No. 889,331; June 2; Sp. p. 268; Dr. pp. 17-18; Gaz. vol. 134; p. 1101.
- Platz, V., Weinheim, Germany. Valve. No. 886,633; May 5; Sp. p. 575; Dr. p. 121; Gaz. vol. 134; p. 101.
- Plaut, J., Cincinnati, Ohio. Shirt attachment. No. 877,366; Jan. 21; Sp. p. 3452; Dr. p. 748; Gaz. vol. 132; p. 629.
- Plaut, J., Cincinnati, Ohio. Separable button. No. 877,367; Jan. 21; Sp. p. 3453; Dr. p. 749; Gaz. vol. 132; p. 629.
- Pleins, R. C., St. Paul, Minn. Seal-lock. No. 900,121; Oct. 6; Sp. p. 107; Dr. p. 22; Gaz. vol. 136; p. 1090.
- Pleins, R. C., assignor to Western Car Seal Company, St. Paul, Minn. Car-seal. No. 897,848; Sept. 1; Sp. p. 1236; Dr. p. 265; Gaz. vol. 136; p. 196.
- Pleister, H. W., Newark, assignor to H. B. Newhall, Plainfield, N. J. Cable-hanger. No. 886,634; May 5; Sp. p. 576; Dr. p. 121; Gaz. vol. 134; p. 101.
- Pleister, H. W., Westfield, assignor to H. B. Newhall, Plainfield, N. J. Expansion bolt-anchor. No. 896,756; Aug. 25; Sp. p. 3942; Dr. p. 850; Gaz. vol. 135; p. 1608.
- Plemon, O. E., assignor of one-half to L. P. Horreschow, Portland, Oreg. Plate-lifter. No. 893,541; July 14; Sp. p. 2348; Dr. p. 492; Gaz. vol. 135; p. 410.
- Pletscher, J. H., Deer Creek, Okla. Tedder attachment. No. 880,094; Feb. 25; Sp. p. 4551; Dr. p. 958; Gaz. vol. 132; p. 1674.
- Pleukharp, C. W., assignor of two-thirds to C. D. Saviers and C. Staiger, Columbus, Ohio. Device for tapping beer-kegs. No. 875,848; Jan. 7; Sp. p. 318; Dr. p. 70; Gaz. vol. 132; p. 59.
- Plew, J. E. (See Ferrine, J. B., assignor.)
- Plice, T. V. (See Topping and Plice.)
- Plimpton, H. R., 2d, Newton Center, Mass. Antifriction-bearing. No. 876,836; Jan. 14; Sp. p. 2325; Dr. p. 511; Gaz. vol. 132; p. 411.
- Plimpton, J. L., Boston, Mass. Roller-screw. No. 906,231; Dec. 8; Sp. p. 2282; Gaz. vol. 137; p. 1392.
- Pliske, E. C. F., Cleveland, Ohio. Floor-surfacing machine. No. 895,497; Aug. 11; Sp. p. 1451; Dr. p. 304; Gaz. vol. 135; p. 1157.
- Plotke, C., Chicago, Ill. Bucket-bracket. No. 896,150; Aug. 18; Sp. p. 2716; Dr. p. 586; Gaz. vol. 135; p. 1389.
- Ploudre, E., St. Louis, Mo. Electric alarm operated by alarm-clocks. No. 878,087; Feb. 4; Sp. p. 394; Dr. p. 82; Gaz. vol. 132; p. 912.
- Plough, E. K., Chambersburg, Pa. Calendar. No. 899,614; Sept. 29; Sp. p. 4685; Dr. p. 1005; Gaz. vol. 136; p. 895.
- Plowman, J. J., Waterport, N. Y. Gate. No. 905,575; Dec. 1; Sp. p. 939; Gaz. vol. 137; p. 1133.
- Plowman, W. W., Jewell, Kans. Tug-loop. No. 906,066; Dec. 8; Sp. p. 1871; Gaz. vol. 137; p. 1321.
- Plowright, W., Manchester, England. Means for attaching pads to boots and shoes. No. 892,884; July 7; Sp. p. 993; Dr. p. 208; Gaz. vol. 135; p. 165.
- Plumb, W. L., assignor of one-half to C. W. Turner, New York, N. Y. Disinfecting attachment for carpet-sweepers. No. 888,529; May 26; Sp. p. 4397; Dr. p. 932; Gaz. vol. 134; p. 807.
- Plumbing Specialty Company. (See Kenly, G. T., assignor.)
- Plume & Atwood Mfg. Co. (See Wirth, C. E., assignor.)
- Plumley, R. L., Wilmington, Del., assignor to Frederick Osann Company, New York, N. Y. Overseaming sewing-machine. No. 897,486; Sept. 1; Sp. p. 498; Dr. pp. 105-6; Gaz. vol. 136; p. 79.
- Plummer, J. M., Elk City, Kans. Overshoe-holder and trousers-supporter. No. 898,503; Sept. 15; Sp. p. 2546; Dr. p. 546; Gaz. vol. 136; p. 471.
- Plummer, J. P. and R. L., Rochester, Ill. Animal-dump. No. 892,081; June 30; Sp. p. 5875; Dr. p. 1265; Gaz. vol. 134; p. 2123.
- Plummer, R. L. (See Plummer, J. P. and R. L.)
- Plummer, W. S., St. Louis, Mo. Mixing-machine. No. 906,282; Dec. 8; Sp. p. 2286; Gaz. vol. 137; p. 1392.
- Plummer, W. W., assignor of two-thirds to J. W. Lane and J. L. Atchison, Owingsville, Ky. Mail-box. No. 893,750; July 21; Sp. p. 2669; Dr. p. 590; Gaz. vol. 135; p. 509.
- Plunkett, T. J., and W. Silvers, Nashville, Tenn. Chain-link. No. 884,415; Apr. 14; Sp. p. 1506; Dr. p. 323; Gaz. vol. 133; p. 1463.
- Plym, F. J., Niles, Mich. Store-front construction. No. 879,898; Feb. 25; Sp. p. 4180; Dr. p. 872; Gaz. vol. 132; p. 1611.
- Plympton, F. K., Wellesley, Mass. Closure for milk-jars and the like. No. 886,014; Apr. 28; Sp. p. 4852; Dr. p. 1020; Gaz. vol. 133; p. 2045.
- Pneumatic Heel Cushion Company. (See Gordon, W. L., assignor.)
- Pneumatic Water Lift Power & Irrigation Co. (See Robinson and Gaylor, assignors.)
- Pocan, H. F., Stephenson, Mich. Detachable tool-handle. No. 904,012; Nov. 17; Sp. p. 2993; Gaz. vol. 137; p. 547.
- Poche, D. E., Ponchatoula, La. Potato-slicer. No. 894,694; July 28; Sp. p. 4820; Dr. p. 1000; Gaz. vol. 135; p. 841.
- Pocock, A. J., Dayton, Ohio. Valve-gear. No. 897,654; Sept. 1; Sp. p. 831; Dr. pp. 175-6; Gaz. vol. 136; p. 133.
- Podlesák, H. J. (See Podlesák, T. E. and H. J.)
- Podlesák, T. E., West New Brighton, N. Y., and H. J. Podlesák, Chicago, Ill. Fuel-feeding device for internal-combustion hydrocarbon-motors. No. 889,260; June 2; Sp. p. 128; Dr. pp. 31-3; Gaz. vol. 134; p. 1079.
- Podstata, V. H., Dunning, Ill. Pneumatic cushion. No. 906,923; Dec. 15; Sp. p. 3492; Gaz. vol. 137; p. 1623.
- Poeblein, G. J., Owensboro, Ky. Fastener. No. 885,645; Apr. 21; Sp. p. 4061; Dr. p. 849; Gaz. vol. 133; p. 1892.

Alphabetical list of patentees—Continued.

- Poelma, R. W., *et al.* (See Brisbois, O., assignor.)
 Poelma, R. W., *et al.* (See Odell, R., assignor.)
 Pogolski, N., Wilkes-Barre, Pa. Indicating and recording the aiming of guns. No. 906,924; Dec. 15; Sp. p. 3494; Gaz. vol. 137; p. 1623.
 Pogue, J. F., *et al.* (See Norman, J. R., assignor.)
 Pogue, S. A. Liberty Hill, Tex. Furrow-opener. No. 907,281; Dec. 22; Sp. p. 4217; Gaz. vol. 137; p. 1776.
 Pohl, C. F., Boone, Iowa. Newspaper-vending machine. No. 906,283; Dec. 8; Sp. p. 2288; Gaz. vol. 137; p. 1393.
 Pohl, E. (See Haywood, D. H., assignor.)
 Pohl, E., Paterson, N. J. Silk-thread-finishing machine. No. 904,893; Nov. 24; Sp. p. 4877; Gaz. vol. 137; p. 871.
 Pohle, F. W. C., Buffalo, N. Y. Photographic posing device. No. 893,542; July 14; Sp. p. 2348; Dr. p. 492; Gaz. vol. 135; p. 410.
 Pohle, J., Lansdale, Pa. Measuring device for dressmakers and the like. No. 899,802; Sept. 29; Sp. p. 5098; Dr. p. 1090; Gaz. vol. 136; p. 956.
 Pohlitz, E., Richmond, Va. Dispensing-box. No. 885,374; Apr. 21; Sp. p. 3526; Dr. p. 737; Gaz. vol. 133; p. 1810.
 Pohlman, A. J. (See Youngman, C. A., assignor.)
 Pohlman, W., Middletown, N. Y. Coupling for hose and pipe. No. 894,900; Aug. 4; Sp. p. 227; Dr. p. 49; Gaz. vol. 135; p. 934.
 Poindexter, R. E., Indianapolis, Ind. Sod-trimmer. No. 884,416; Apr. 14; Sp. p. 1507; Dr. p. 324; Gaz. vol. 133; p. 1464.
 Poindexter, T. B., Alexandria, Ind. Sled. No. 883,050; Mar. 24; Sp. p. 5080; Dr. p. 1084; Gaz. vol. 133; p. 932.
 Poindexter, W. A., Allegheny, Pa. Appliance for opening and closing switches on car-lines. No. 875,733; Jan. 7; Sp. p. 107; Dr. p. 23; Gaz. vol. 132; p. 22.
 Poindexter, W. M., Washington, D. C. Book-support and adjustable shelf-partition. No. 903,769; Nov. 10; Sp. p. 2461; Gaz. vol. 137; p. 431.
 Point Loma Chemical Company. (See Bundsman, E. T., assignor.)
 Poirier, C. E. (See Miles and Poirier.)
 Poirier, A. F., assignor to Société Anonyme Des Matières Colorantes et Produits Chimiques de St. Denis, Paris, France. Making black sulfur dyes. No. 904,224; Nov. 17; Sp. p. 3459; Gaz. vol. 137; p. 621.
 Poltras, O., Fitchburg, Mass. Sawhorse. No. 904,988; Nov. 24; Sp. p. 5059; Gaz. vol. 137; p. 902.
 Pokorney, J. F., Hutchinson, Minn. Rack for farm-wagons. No. 884,679; Apr. 14; Sp. p. 2081; Dr. p. 444; Gaz. vol. 133; p. 1550.
 Pokorney, J. J., Chicago, Ill. Reclining-chair. No. 879,489; Feb. 18; Sp. p. 3279; Dr. p. 685; Gaz. vol. 132; p. 1443.
 Polakosky, F. V., Peekskill, N. Y. Clothes-pin. No. 884,680; Apr. 14; Sp. p. 2083; Dr. p. 445; Gaz. vol. 133; p. 1550.
 Poland, C., Erfurt, Germany. Construction of drums. No. 887,016; May 5; Sp. p. 1347; Dr. p. 285; Gaz. vol. 134; p. 224.
 Poland, C., Erfurt, Germany. Skin substitute for heads of drums and the like. No. 892,885; July 7; Sp. p. 995; Dr. p. 208; Gaz. vol. 135; p. 165.
 Poles, W. C., Nantwich, and W. W. Knight, Hereford, England. Stand for umbrellas, walking-sticks, golf-clubs, brushes, and other articles. No. 907,171; Dec. 22; Sp. p. 3961; Gaz. vol. 137; p. 1736.
 Poli, J. J., Cincinnati, Ohio. Combination collar cap and fastener. No. 899,803; Sept. 29; Sp. p. 5099; Dr. p. 1090; Gaz. vol. 136; p. 957.
 Polinger, N. L., New York, N. Y. Dental mouth-prop. No. 883,232; Mar. 31; Sp. p. 5469; Dr. p. 1165; Gaz. vol. 133; p. 1023.
 Poljakoff-Kowtunoff, T., Ijora, near St. Petersburg, Russia. Vehicle with automatic movement of rails. No. 892,681; July 7; Sp. p. 563; Dr. pp. 118-19; Gaz. vol. 135; p. 99.
 Polk, C. H., Kappa, Ind. End-gate. No. 883,739; Apr. 7; Sp. p. 120; Dr. p. 21; Gaz. vol. 133; p. 1212.
 Polk, R. B., Greenwood, Ind. Packaging-machine. No. 904,643; Nov. 24; Sp. p. 4331; Gaz. vol. 137; p. 787.
 Polk, R. B., Greenwood, Ind. Apparatus for processing canned goods. No. 904,644; Nov. 24; Sp. p. 4335; Gaz. vol. 137; p. 788.
 Polk, W. C., Fort Branch, Ind. Apparatus for building concrete and other like structures. No. 908,326; Dec. 29; Sp. p. 6409; Gaz. vol. 137; p. 2153.
 Pollak, J., Houston, Tex. Shirt. No. 897,140; Aug. 25; Sp. p. 4771; Dr. p. 1016; Gaz. vol. 135; p. 1737.
 Pollak, L., assignor of one-half to A. Redlich, Wilsdorf, near Bodenbach, Austria-Hungary. Treating extracts of quebracho. No. 900,038; Sept. 29; Sp. p. 5599; Gaz. vol. 136; p. 1033.
 Pollard-Alling Manufacturing Co. (See Chambers, G. A., assignor.)
 Pollard-Alling Manufacturing Company. (See Alling, F. H., assignor.)
 Pollard-Alling Manufacturing Company. (See Grieser, R., assignor.)
 Pollard, J. A., Jr., *et al.* (See Watkins, B. G., assignor.)
 Pollard, J. A., Sr., *et al.* (See Watkins, B. G., assignor.)
 Pollatschek, M., Bucharest, Roumania. Pump. No. 880,039; Feb. 25; Sp. p. 4457; Dr. p. 935; Gaz. vol. 132; p. 1657.
 Polley, D. F., assignor to Markham Air Rifle Company, Plymouth, Mich. Air-gun. No. 878,560; Feb. 11; Sp. p. 1430; Dr. p. 292; Gaz. vol. 132; p. 1103.
 Pollock, J. C., Chicago, Ill. Quick-opening valve. No. 903,606; Nov. 10; Sp. p. 2154; Gaz. vol. 137; p. 382.
 Polly, H. A., *et al.* (See Moore, J. H., assignor.)
 Polsgrove, W. G., Roswell, N. Mex. Ter. Vehicle. No. 906,284; Dec. 8; Sp. p. 2292; Gaz. vol. 137; p. 1394.
 Polson, A. (See Henrich, P., assignor.)
 Polte, A. W., Chicago, Ill. Speed recording and indicating device. No. 907,400; Dec. 22; Sp. p. 4428; Gaz. vol. 137; p. 1815.
 Polzin, J., Davenport, Iowa. Filter. No. 885,516; Apr. 21; Sp. p. 3772; Dr. p. 794; Gaz. vol. 133; p. 1853.
 Pomeroy, C. E., Salt Lake City, Utah. Device for assisting in teaching and writing music. No. 900,201; Oct. 6; Sp. p. 271; Dr. p. 54; Gaz. vol. 136; p. 1116.
 Pomeroy Salt Association Company. (See Clifton, P. L., assignor.)
 Pomeroy, W. D., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Motor-controller. No. 902,108; Oct. 27; Sp. p. 4269; Dr. p. 865; Gaz. vol. 136; p. 1831.
 Pomeroy, W. D., Norwood, Ohio, and E. C. Wright, Newport, Ky., assignors, by mesne assignments, to Bullock Electric Company. Controller. No. 902,834; Nov. 3; Sp. p. 603; Gaz. vol. 137; p. 102.
 Pommerer, R. W., assignor of one-half to W. J. Gilsen, New York, N. Y. Means for use in building concrete walls and the like. No. 878,155; Feb. 4; Sp. p. 514; Dr. p. 110; Gaz. vol. 132; p. 934.
 Pond, A., Jr. (See Cope, G. W., assignor.)
 Pond, C. P., Philadelphia, Pa. Window-operating mechanism. No. 886,851; May 5; Sp. p. 1042; Dr. pp. 219-20; Gaz. vol. 134; p. 171.
 Pond, W. M., Greenview, Ill. Draft-gear. No. 905,360; Dec. 1; Sp. p. 465; Gaz. vol. 137; p. 1061.
 Ponder, G. K., and J. Shook, assignors of three-ninths to H. D. Waldrup and R. C. Peterson, Faust, N. C. Rail-joint. No. 908,421; Dec. 29; Sp. p. 6611; Gaz. vol. 137; p. 2187.
 Ponet, L., New York, N. Y. Round extension-table. No. 894,049; July 21; Sp. p. 3502; Dr. p. 717; Gaz. vol. 135; p. 608.
 Pongo, S., New York, N. Y. Window-platform. No. 906,925; Dec. 15; Sp. p. 3496; Gaz. vol. 137; p. 1623.
 Pons, A., Buffalo, N. Y. Fiber-cleaning machine. No. 899,070; Sept. 22; Sp. p. 3604; Dr. p. 772; Gaz. vol. 136; p. 681.
 Ponsar, T., South Omaha, and C. C. A. Bauercamper, Omaha, Nebr. Ensilage-cutter. No. 894,981; Aug. 4; Sp. p. 414; Dr. p. 84; Gaz. vol. 135; p. 961.
 Pontiac Buggy Company. (See Connell, D. W., assignor.)
 Ponton, H. H., Hope, Tex. Wrench. No. 892,549; July 7; Sp. p. 302; Dr. p. 66; Gaz. vol. 135; p. 57.
 Pool, A. R., Nemaha county, and W. Elliott, Jackson county, Kans. Door-latch mechanism. No. 886,635; May 5; Sp. p. 579; Dr. p. 121; Gaz. vol. 134; p. 102.
 Pool, A. R., Wetmore township, Nemaha county, and W. Elliott, Jefferson township, Jackson county, Kans. Door-bell mechanism. No. 894,901; Aug. 4; Sp. p. 228; Dr. p. 50; Gaz. vol. 135; p. 934.
 Pool, J. G. (See Elder & Pool.)
 Pool, M. W., New York, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 888,925; May 26; Sp. p. 5255; Dr. p. 1115; Gaz. vol. 134; p. 941.
 Pool, M. W., New York, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 892,618; July 7; Sp. p. 420; Dr. pp. 93-4; Gaz. vol. 135; p. 78.
 Pool, M. W., New York, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 901,259; Oct. 13; Sp. p. 2439; Dr. pp. 501-2; Gaz. vol. 136; p. 1485.
 Pool, M. W., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 899,616; Sept. 29; Sp. p. 4695; Dr. pp. 1006-7; Gaz. vol. 136; p. 895.
 Pool, M. W., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 899,615; Sept. 29; Sp. p. 4687; Dr. pp. 1005-6; Gaz. vol. 136; p. 895.
 Poole, A. F., Wheeling, W. Va. Party-line telephone system. No. 878,017; Feb. 4; Sp. p. 244; Dr. p. 56; Gaz. vol. 132; p. 890.
 Poole, A. F., Wheeling, W. Va. Lock-out telephone system. No. 878,018; Feb. 4; Sp. p. 252; Dr. p. 56; Gaz. vol. 132; p. 890.
 Poole, C. C., Evanston, assignor to Oliver Typewriter Company, Chicago, Ill. Paper-movement indicator for type-writers. No. 878,743; Feb. 11; Sp. p. 1796; Dr. pp. 372-3; Gaz. vol. 132; p. 1162.
 Poole, L., Jr. (See Wilkerson, P. L., assignor.)
 Poole, W. C., Marysville, Cal. Cutting-tool. No. 901,556; Oct. 20; Sp. p. 3127; Dr. p. 639; Gaz. vol. 136; p. 1622.
 Poole, W. H. (See Cahill, J. A., assignor.)

Alphabetical list of patentees—Continued.

- Pooley, H., Birmingham, England. Automatic indicator weighing-machine or weigh-bridge. No. 906,657; Dec. 15; Sp. p. 2973; Gaz. vol. 137; p. 1537.
- Poore, J. C. (See Odenbach, F. L., assignor.)
- Pope, C. E., Pittsburg, Pa. Brick or lining composition for use at high temperatures and making the same. No. 895,787; Aug. 11; Sp. p. 2040; Gaz. vol. 135; p. 1251.
- Pope, C. R. (See Billmeyer, J. H., assignor.)
- Pope, E. J., Holyoke, Mass. Reel for paper-making machines. No. 895,298; Aug. 4; Sp. p. 1071; Dr. p. 224; Gaz. vol. 135; p. 1069.
- Pope, J. C. and W. J., Plano, Ill. Fertilizer-distributor. No. 901,123; Oct. 13; Sp. p. 2203; Dr. p. 448; Gaz. vol. 136; p. 1442.
- Pope, J. C. and W. J., Plano, Ill. Clutch. No. 905,097; Nov. 24; Sp. p. 5270; Gaz. vol. 137; p. 939.
- Pope, J. H., Brockton, Mass., assignor to United Shoe Machinery Company. Heel-attaching machine. No. 884,524; Apr. 14; Sp. p. 1731; Dr. pp. 371-2; Gaz. vol. 133; p. 1498.
- Pope Manufacturing Company. (See Davis, F. S., assignor.)
- Pope, W. J. (See Pope, J. C. and W. J.)
- Pope, W. S., Sneads, Fla. Pea-separator. No. 891,096; June 16; Sp. p. 3859; Dr. pp. 843-4; Gaz. vol. 134; p. 1736.
- Popky, S., assignor of one-half to A. P. O'Malley, Wilkes-Barre, Pa. Lock. No. 905,098; Nov. 24; Sp. p. 5272; Gaz. vol. 137; p. 939.
- Poppe, P. A., Coventry, England. Spray-carbureter. No. 883,740; Apr. 7; Sp. p. 121; Dr. p. 21; Gaz. vol. 133; p. 1212.
- Poppenhusen, H. A., Evanston, Ill. Traveling-grate furnace. No. 896,410; Aug. 18; Sp. p. 3251; Dr. p. 696; Gaz. vol. 135; p. 1474.
- Poppenhusen, H. A., Evanston, and J. Harrington, Chicago, Ill. Burning coal. No. 898,134; Sept. 8; Sp. p. 1843; Dr. p. 392; Gaz. vol. 136; p. 321.
- Poppenhusen, H. A., Evanston, and J. Harrington, Chicago, Ill. Furnace. No. 901,038; Oct. 13; Sp. p. 2043; Dr. pp. 415-16; Gaz. vol. 136; p. 1416.
- Poppert, L., Milwaukee, Wis. Device for raising invalids. No. 901,370; Oct. 20; Sp. p. 2700; Dr. p. 554; Gaz. vol. 136; p. 1559.
- Poron, H., Troyes, France. Mud-collector for steam-generators. No. 891,731; June 23; Sp. p. 5174; Dr. p. 1117; Gaz. vol. 134; p. 1976.
- Porsche, F., Vienna, Austria-Hungary. Automatic regulation for dynamo-electric machines. No. 890,299; June 9; Sp. p. 2244; Dr. pp. 493-4; Gaz. vol. 134; p. 1444.
- Portee, W. M., Murphysboro, Ill. Mail-bag catching and delivering appliance. No. 898,504; Sept. 15; Sp. p. 2547; Dr. pp. 546-7; Gaz. vol. 136; p. 471.
- Porter, A. A., Waterbury, Conn. Water-current motor. No. 899,320; Sept. 22; Sp. p. 4113; Dr. p. 879; Gaz. vol. 136; p. 763.
- Porter, A. D. (See Porter, C. O. and A. D.)
- Porter, A. H. (See Stockton and Porter.)
- Porter, A. N., Pittsburg, Kans. Sash-lock. No. 895,193; Aug. 4; Sp. p. 835; Dr. p. 176; Gaz. vol. 135; p. 1033.
- Porter, B. J., and H. Binnington, Salt Lake City, Utah. Stock-feeding apparatus. No. 907,283; Dec. 22; Sp. p. 4219; Gaz. vol. 137; p. 1776.
- Porter, B. J., and T. H. Binnington, Salt Lake City, Utah. Water cock or valve. No. 900,309; Oct. 6; Sp. p. 509; Dr. p. 105; Gaz. vol. 136; p. 1152.
- Porter, C. O. and A. D., Grand Rapids, Mich. Cutter-guard for buzz-planers. No. 882,122; Mar. 17; Sp. p. 3275; Dr. p. 698; Gaz. vol. 133; p. 596.
- Porter, D. F., Chicago, Ill. Clothes-tongs. No. 892,008; June 30; Sp. p. 5752; Dr. p. 1277; Gaz. vol. 134; p. 2100.
- Porter, D. S., Jacksonville, Fla. Polishing device. No. 892,303; June 30; Sp. p. 6310; Dr. p. 1359; Gaz. vol. 134; p. 2197.
- Porter, E., Monticello, Ky. Oil-well plug. No. 903,314; Nov. 10; Sp. p. 1550; Gaz. vol. 137; p. 286.
- Porter, E. F., Boston, assignor to B. F. Peach, trustee, Lynn, Mass. Electric heater. No. 889,040; May 26; Sp. p. 5463; Dr. p. 1162; Gaz. vol. 134; p. 976.
- Porter, E. F., assignor to Car Ventilating and Heating Company, Boston, Mass. Car heating and ventilating apparatus. No. 889,041; May 26; Sp. p. 5465; Dr. p. 1162; Gaz. vol. 134; p. 976.
- Porter, F. O., Wollaston, assignor to L. S. Rothenberg, Boston, Mass. Pencil-sharpener. No. 894,781; July 28; Sp. p. 4973; Dr. p. 1038; Gaz. vol. 135; p. 867.
- Porter, F. T., Morristown, Ind. Incubator. No. 877,731; Jan. 28; Sp. p. 4180; Dr. p. 906; Gaz. vol. 132; p. 768.
- Porter, F. T., Morristown, Ind. Brooder. No. 907,871; Dec. 29; Sp. p. 5437; Gaz. vol. 127; p. 2000.
- Porter, G. A., *et al.* (See Guernsey, C. C., assignor.)
- Porter, G. F., *et al.* (See Porter, G. W., W. E., and G. F.)
- Porter, G. G., assignor to Lipe Gear Company, Syracuse, N. Y. Steering mechanism for motor-vehicles. No. 904,225; Nov. 17; Sp. p. 3460; Gaz. vol. 137; p. 621.
- Porter, G. W., W. E., and G. F., Punxsutawney, Pa. Molding device. No. 903,770; Nov. 10; Sp. p. 2463; Gaz. vol. 137; p. 432.
- Porter, H. H., Los Angeles, Cal. Register-plug for mounted color-cuts. No. 893,194; July 14; Sp. p. 1640; Dr. p. 345; Gaz. vol. 135; p. 296.
- Porter, H. J., San Luis Obispo, Cal. Bee-keeper's knife. No. 883,343; Mar. 31; Sp. p. 5678; Dr. p. 1212; Gaz. vol. 133; p. 1058.
- Porter, J. E., Syracuse, and A. L. Clark, New York, N. Y., assignors to Just Mining and Extraction Company. Process of extraction. No. 890,821; Mar. 3; Sp. p. 671; Dr. p. 142; Gaz. vol. 133; p. 116.
- Porter, J. E., Syracuse, and A. L. Clark, New York, N. Y., assignors to Just Mining and Extraction Company. Extracting apparatus. No. 887,268; May 12; Sp. p. 1857; Dr. p. 392; Gaz. vol. 134; p. 332.
- Porter, J. L., Columbus, Mont. Box for buggy-hubs. No. 899,900; Sept. 29; Sp. p. 5289; Dr. p. 1130; Gaz. vol. 136; p. 988.
- Porter, J. M., J. F. Laird, and A. H. Geilfuss, Parkersburg, W. Va. Exhaust-muffler. No. 901,371; Oct. 20; Sp. p. 2701; Dr. pp. 554-5; Gaz. vol. 136; p. 1559.
- Porter, L. N., Ponca, Nebr. Heater for incubators and brooders. No. 892,619; July 7; Sp. p. 430; Dr. p. 94; Gaz. vol. 135; p. 79.
- Porter, M. D., Somerville, Mass. Fiber container. No. 906,157; Dec. 8; Sp. p. 2049; Gaz. vol. 137; p. 1351.
- Porter, M. L., Redding, Cal. Vehicle-wheel. No. 890,915; Mar. 3; Sp. p. 875; Dr. p. 188; Gaz. vol. 133; p. 147.
- Porter, O. C., Baltimore, Md. Releasing-hook. No. 905,576; Dec. 1; Sp. p. 940; Gaz. vol. 137; p. 1133.
- Porter, P. F. (See Wade, O. H., assignor.)
- Porter, S. E., and A. H. Harbaugh, Casstown, Ohio. Adjustable headlight. No. 876,488; Jan. 14; Sp. p. 1624; Dr. p. 352; Gaz. vol. 132; p. 296.
- Porter, S. S. (See Swanson, S. A., assignor.)
- Porter Screen Manufacturing Company. (See Limoge, T., assignor.)
- Porter Screen Manufacturing Company. (See Mix, A. H., assignor.)
- Porter, T. J., assignor of two-thirds to J. W. McGillivray and W. S. Kendall, Sacramento, Cal. Heating apparatus. No. 895,679; Aug. 11; Sp. p. 1804; Dr. p. 384; Gaz. vol. 135; p. 1217.
- Porter, W., Los Angeles, Cal. Tire. No. 896,661; Aug. 18; Sp. p. 3726; Dr. p. 802; Gaz. vol. 135; p. 1553.
- Porter, W. C., Worcester, Mass., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Divided last. No. 884,757; Apr. 14; Sp. p. 2243; Dr. p. 473; Gaz. vol. 133; p. 1576.
- Porter, W. E., *et al.* (See Porter, G. W., W. E., and G. F.)
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Clock. No. 879,315; Feb. 18; Sp. p. 2915; Dr. p. 608; Gaz. vol. 132; p. 1387.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Watch. No. 881,440; Mar. 10; Sp. p. 1889; Dr. p. 411; Gaz. vol. 133; p. 345.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Movement-plate for watches, clocks, and the like. No. 891,097; June 16; Sp. p. 3862; Dr. p. 844; Gaz. vol. 134; p. 1736.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Alarm-clock. No. 891,098; June 16; Sp. p. 3862; Dr. p. 844; Gaz. vol. 134; p. 1737.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Swivel-pendant for watchcases. No. 893,262; July 14; Sp. p. 1771; Dr. p. 372; Gaz. vol. 135; p. 319.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Pocket coin-bank. No. 899,678; Sept. 29; Sp. p. 4822; Dr. p. 1032; Gaz. vol. 136; p. 914.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Alarm-clock. No. 901,737; Oct. 20; Sp. p. 3523; Dr. p. 713; Gaz. vol. 136; p. 1682.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Producing movement-plates for watches, clocks, and the like. No. 902,322; Oct. 27; Sp. p. 4715; Dr. p. 954; Gaz. vol. 136; p. 1901.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Stem winding and setting watch. No. 904,989; Nov. 24; Sp. p. 5060; Gaz. vol. 137; p. 902.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Electrical apparatus for timing clocks and watches. No. 906,926; Dec. 15; Sp. p. 3498; Gaz. vol. 137; p. 1623.
- Porter, W. E., assignor to New Haven Clock Co., New Haven, Conn. Electrical apparatus for timing watches and clocks. No. 906,927; Dec. 15; Sp. p. 3502; Gaz. vol. 137; p. 1624.
- Portius, C. (See Weinrich, M., assignor.)
- Portuba, J., Allegheny, Pa. Balance-wheel for watches. No. 884,852; Apr. 14; Sp. p. 2443; Dr. p. 513; Gaz. vol. 133; p. 1608.
- Positive Lock Washer Company. (See Ross, J. B., assignor.)

Alphabetical list of patentees—Continued.

- Pospeshil, J. B., Detroit, Mich. Wagon-box. No. 893,937; July 21; Sp. p. 3243; Dr. p. 667; Gaz. vol. 135; p. 570.
- Posson, E., Chicago, Ill. Refrigerator-car. No. 892,447; July 7; Sp. p. 114; Dr. p. 25; Gaz. vol. 135; p. 23.
- Posson, E., Chicago, Ill. Nut-lock. No. 898,003; Sept. 8; Sp. p. 1576; Dr. p. 336; Gaz. vol. 136; p. 280.
- Posson, E., assignor to National Dump Car Company, Chicago, Ill. Dumping-door-operating mechanism for dump-cars. No. 894,529; July 28; Sp. p. 4485; Dr. p. 929; Gaz. vol. 135; p. 786.
- Possons, M. A., assignor of two-thirds to A. J. Blackford, Cleveland, Ohio, and A. S. Pattison, Washington, D. C. Changing the grain of wood. No. 904,446; Nov. 17; Sp. p. 3913; Gaz. vol. 137; p. 694.
- Post, A. L., assignor to Kent Machine Company, Kent, Ohio. Apparatus for feeding materials to a mixer. No. 885,951; Apr. 28; Sp. p. 4713; Dr. p. 991; Gaz. vol. 133; p. 2025.
- Post, C. B., New London, Ohio. Detachable handle. No. 884,041; Apr. 7; Sp. p. 756; Dr. p. 157; Gaz. vol. 133; p. 1313.
- Post, C. B., assignor to Ward-Stilson Company, New London, Ohio. Amusement device. No. 881,150; Mar. 10; Sp. p. 1315; Dr. p. 284; Gaz. vol. 133; p. 254.
- Post, F. W. (See Hanson and Post.)
- Post, F. W., and A. M. Morley, Los Angeles, Cal. Battery-grid. No. 904,645; Nov. 24; Sp. p. 4336; Gaz. vol. 137; p. 788.
- Post, G. von, Stockholm, Sweden. Valve for automatically and intermittently interrupting a current of gas or liquid. No. 906,285; Dec. 8; Sp. p. 2294; Gaz. vol. 137; p. 1394.
- Post, G. A., Chicago, Ill. Dump-wagon. No. 887,225; May 12; Sp. p. 1771; Dr. pp. 372-3; Gaz. vol. 134; p. 318.
- Post, G. E., New York, N. Y. Hose-supporter for garments. No. 902,323; Oct. 27; Sp. p. 4716; Dr. p. 954; Gaz. vol. 136; p. 1901.
- Post, G. W., Fond du Lac, Wis. Envelop. No. 897,778; Sept. 1; Sp. p. 1088; Dr. p. 233; Gaz. vol. 136; p. 174.
- Post, H. M., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 877,121; Jan. 21; Sp. p. 2952; Dr. p. 638; Gaz. vol. 132; p. 548.
- Post, H. M., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Subscriber's telephone-circuit. No. 901,738; Oct. 20; Sp. p. 3525; Dr. p. 713; Gaz. vol. 136; p. 1683.
- Post & Lester Company. (See Lester, H. W., assignor.)
- Post, M. J., Hoboken, N. J. Combined hose-supporter, corset-protector, and abdomen-supporter. No. 896,042; Aug. 11; Sp. p. 2529; Dr. p. 548; Gaz. vol. 135; p. 1334.
- Post, T. M. U. von, Stockholm, Sweden. Distilling apparatus. No. 889,150; May 26; Sp. p. 5703; Dr. pp. 1207-8; Gaz. vol. 134; p. 1012.
- Post, T. W., Battle Creek, Mich., assignor to Ventilating Shoe Tree Co., New York, N. Y. Shoe tree or last. No. 881,338; Mar. 10; Sp. p. 1684; Dr. p. 363; Gaz. vol. 133; p. 314.
- Post, W. G., Medina, N. Y. Collapsible box. No. 893,870; July 21; Sp. p. 3117; Dr. p. 639; Gaz. vol. 135; p. 548.
- Post, W. M., Wilkesburg borough, Pa. Device for securing bond-wires to a rail-joint. No. 891,860; June 30; Sp. p. 5462; Dr. p. 1180; Gaz. vol. 134; p. 2052.
- Postal Telegraph-Cable Company. (See Needham, J. T., assignor.)
- Postans, A. J., assignor to Adder Cash Register Syndicate Limited, London, England. Printing mechanism for cash-registers or like machines. No. 894,982; Aug. 4; Sp. p. 416; Dr. pp. 84-5; Gaz. vol. 135; p. 962.
- Posternak, S., Paris, France, assignor to Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Soluble salts of the hydroxy-methylene-diphosphoric acid and making same. No. 886,852; May 5; Sp. p. 1045; Gaz. vol. 134; p. 171.
- Poth, C. H., *et al.* (See Frederick, F. M., assignor.)
- Poth, H., Brooklyn, N. Y. Rheostat. No. 898,987; Sept. 15; Sp. p. 3447; Dr. pp. 739-40; Gaz. vol. 136; p. 627.
- Poth, T. B., *et al.* (See Frederick, F. M., assignor.)
- Potstada, G., San Francisco, Cal. Metal-shears. No. 879,900; Feb. 25; Sp. p. 4183; Dr. p. 873; Gaz. vol. 132; p. 1612.
- Potter, A., New York, N. Y. Apparatus for the chemical treatment of water. No. 886,068; Apr. 28; Sp. p. 4950; Dr. pp. 1040-1; Gaz. vol. 133; p. 2063.
- Potter, A. B., Salmon Falls, N. H., assignor to National Ring Traveler Company, Providence, R. I. Ring-traveler. No. 882,077; Mar. 17; Sp. p. 3205; Dr. p. 681; Gaz. vol. 133; p. 583.
- Potter, C., Donora, Pa. Dust-proof file for prints. No. 895,039; Aug. 4; Sp. p. 537; Dr. p. 109; Gaz. vol. 135; p. 982.
- Potter, C. W., *et al.* (See Dorsey, F. F., assignor.)
- Potter, C. W., *et al.* (See Wildman, J. E., assignor.)
- Potter, E., South Meriden, assignor to Hemming Brothers, New Haven, Conn. Cutlery knife-holder. No. 885,081; Apr. 21; Sp. p. 2882; Dr. p. 611; Gaz. vol. 133; p. 1711.
- Potter, F. W. (See Westcott and Potter.)
- Potter, H. J., assignor to Burnitol Mig. Co., Cambridge, Mass. Collapsible receptacle. No. 888,653; May 26; Sp. p. 4671; Dr. p. 992; Gaz. vol. 134; p. 852.
- Potter, H. N., New Rochelle, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Making silicon monoxid. No. 886,636; May 5; Sp. p. 580; Gaz. vol. 134; p. 102.
- Potter, H. N., New Rochelle, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Making silicon dioxid. No. 886,637; May 5; Sp. p. 581; Gaz. vol. 134; p. 102.
- Potter, H. N., New Rochelle, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Producing silicon. No. 908,130; Dec. 29; Sp. p. 5984; Gaz. vol. 137; p. 2085.
- Potter, H. N., New Rochelle, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Treatment of silicon monoxid. No. 908,131; Dec. 29; Sp. p. 5988; Gaz. vol. 137; p. 2086.
- Potter, H. N., New Rochelle, assignor to Cooper Hewitt Electric Company, New York, N. Y. Producing and utilizing ozone. No. 905,361; Dec. 1; Sp. p. 466; Gaz. vol. 137; p. 1061.
- Potter, H. N., New York, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Printing-ink. No. 908,132; Dec. 29; Sp. p. 5988; Gaz. vol. 137; p. 2086.
- Potter, H. N., New York, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Printing-ink. No. 908,133; Dec. 29; Sp. p. 5990; Gaz. vol. 137; p. 2086.
- Potter, J. C., assignor to Potter & Johnston Machine Co., Pawtucket, R. I. Carriage-feeding mechanism for lathes, &c. No. 880,916; Mar. 3; Sp. p. 877; Dr. pp. 188-9; Gaz. vol. 133; p. 147.
- Potter, J. C., assignor to Potter and Johnston Machine Company, Pawtucket, R. I. Means for operating turret cross-slides. No. 895,788; Aug. 11; Sp. p. 2041; Dr. p. 433; Gaz. vol. 135; p. 1252.
- Potter, J. G., Brooklyn, N. Y. Dumping-car. No. 879,412; Feb. 18; Sp. p. 3123; Dr. p. 650; Gaz. vol. 132; p. 1419.
- Potter, J. O. (See Raymond and Potter.)
- Potter and Johnston Machine Company. (See Potter, J. C., assignor.)
- Potter, M., Fishkill-on-the-Hudson, N. Y. Lever and ratchet for vehicle-brakes. No. 904,148; Nov. 17; Sp. p. 3276; Gaz. vol. 137; p. 594.
- Potter, S. G., *et al.* (See Staples, R. E., assignor.)
- Potter, T. I., Oakland, Cal. Change-making machine. No. 886,307; Apr. 28; Sp. p. 5402; Dr. p. 1134; Gaz. vol. 133; p. 2141.
- Potter, W. B., Schenectady, N. Y., assignor to General Electric Company. Electrically-driven vehicle. No. 887,691; May 12; Sp. p. 2743; Dr. p. 580; Gaz. vol. 134; p. 474.
- Potter, W. B., Schenectady, N. Y., assignor to General Electric Company. Means for preventing reversing of an explosive-engine. No. 891,368; June 23; Sp. p. 4429; Dr. p. 964; Gaz. vol. 134; p. 1857.
- Potter, W. B., St. Louis, Mo., assignor to Esmeralda Copper Precipitating Company, Chicago, Ill. Recovering copper from ores. No. 894,902; Aug. 4; Sp. p. 231; Dr. p. 50; Gaz. vol. 135; p. 935.
- Potter, W. E. (See Gillespie and Potter.)
- Potter, W. H., Philadelphia, Pa. Head-hoop die. No. 887,516; May 12; Sp. p. 2429; Dr. p. 511; Gaz. vol. 134; p. 417.
- Potter, W. M., assignor to E. C. Stearns & Co., Syracuse, N. Y. Saw-set. No. 898,780; Sept. 15; Sp. p. 3082; Dr. p. 660; Gaz. vol. 136; p. 560.
- Potter, W. S. (See Morehouse, S. A., assignor.)
- Potticary, C., St. Thomas, Ontario, Canada. Turbine-driven locomotive. No. 880,163; Feb. 25; Sp. p. 4695; Dr. pp. 989-90; Gaz. vol. 132; p. 1697.
- Potts, E. W., Detroit, Mich. Transmission-gear. No. 890,589; June 9; Sp. p. 2804; Dr. p. 618; Gaz. vol. 134; p. 1538.
- Potts, J. E., Cleveland, Ohio. Hot-water heater. No. 901,828; Oct. 20; Sp. p. 3693; Dr. p. 750; Gaz. vol. 136; p. 1710.
- Potts, L. M., assignor to Rowland Telegraphic Company, Baltimore, Md. Telegraphy. No. 901,372; Oct. 20; Sp. p. 2702; Dr. p. 555; Gaz. vol. 136; p. 1560.
- Potts, U. G., Martinsburg, W. Va. Rail. No. 903,883; Nov. 17; Sp. p. 2730; Gaz. vol. 137; p. 504.
- Potts, W. E., Dunedin, New Zealand. Bucket-cleaning save-all. No. 876,837; Jan. 14; Sp. p. 2328; Dr. p. 511; Gaz. vol. 132; p. 412.
- Potvin, Z. (See Martel, E. J., assignor.)
- Pou, E. W. (See Robertson, W. A., assignor.)
- Poulet, C. (See Baer, J., assignor.)
- Poulsen, V. (See Pedersen and Poulsen.)
- Poulsen, V., Copenhagen, Denmark. Generator of electric oscillations. No. 890,451; June 9; Sp. p. 2522; Dr. p. 558; Gaz. vol. 134; p. 1492.

Alphabetical list of patentees—Continued.

- Poulsen, V., Copenhagen, Denmark. Receiver for wireless signaling. No. 897,779; Sept. 1; Sp. p. 1089; Dr. p. 234; Gaz. vol. 136; p. 174.
- Poulson, P. O., Brigham, Utah. Rotary engine. No. 884,952; Apr. 14; Sp. p. 2624; Dr. p. 554; Gaz. vol. 133; p. 1637.
- Poulson, W. E., Chicago, Ill. Window-lock. No. 886,853; May 5; Sp. p. 1046; Dr. p. 220; Gaz. vol. 134; p. 171.
- Povall, I., Des Moines, Iowa. Bracket. No. 881,339; Mar. 10; Sp. p. 1685; Dr. p. 363; Gaz. vol. 133; p. 314.
- Powell, A. M., assignor to Carthage Machine Company, Carthage, N. Y. Wood-chipper. No. 885,177; Apr. 21; Sp. p. 3108; Dr. p. 655; Gaz. vol. 133; p. 1742.
- Powell, C. E., Philadelphia, Pa. Metallic railway-tie and fastener for securing the rails thereto. No. 888,926; May 26; Sp. p. 5257; Dr. p. 1115; Gaz. vol. 134; p. 941.
- Powell, E., Weehawken Heights, assignor of one-half to G. O. Redpath, Weehawken, N. J. Machine for handling canes, &c. No. 897,141; Aug. 25; Sp. p. 4773; Dr. pp. 1016-17; Gaz. vol. 135; p. 1738.
- Powell, E. G. (See Espich, J. W., assignor.)
- Powell, F., Portland, Ore. Gas-producer. No. 897,009; Aug. 25; Sp. p. 4513; Dr. p. 965; Gaz. vol. 135; p. 1693.
- Powell, F. D., and C. S. Ellis, assignors to American Coin Register Company, Chicago, Ill. Coin-registering mechanism. No. 876,586; Jan. 14; Sp. p. 1841; Dr. pp. 402-4; Gaz. vol. 132; p. 332.
- Powell, F. D., and C. S. Ellis, assignors to American Coin Register Company, Chicago, Ill. Coin-registering mechanism. No. 880,571; Mar. 3; Sp. p. 163; Dr. pp. 36-8; Gaz. vol. 133; p. 31.
- Powell, F. D., and C. S. Ellis, assignors to American Coin Register Company, Chicago, Ill. Coin-box and registering mechanism for telephones. No. 885,375; Apr. 21; Sp. p. 3528; Dr. pp. 737-8; Gaz. vol. 133; p. 1810.
- Powell, H. S., Clinton, assignor to Powell Muffler & Timer Company, Utica, N. Y. Muffler for explosive-engines. No. 877,860; Jan. 28; Sp. p. 4413; Dr. p. 961; Gaz. vol. 132; p. 809.
- Powell, J., assignor to William Powell Co., Cincinnati, Ohio. Valve-locking means. No. 882,535; Mar. 17; Sp. p. 4063; Dr. p. 864; Gaz. vol. 133; p. 732.
- Powell, J. G., Norris City, Ill. Dental finger-tray. No. 902,109; Oct. 27; Sp. p. 4271; Dr. p. 866; Gaz. vol. 136; p. 1831.
- Powell, J. W., *et al.* (See Kirchhoff, W. C., assignor.)
- Powell Knitting Company. (See Foster, A., assignor.)
- Powell Muffler & Timer Company. (See Powell, H. S., assignor.)
- Powell, R. H., Batesville, Ark. Mail-pouch catcher. No. 879,901; Feb. 25; Sp. p. 4185; Dr. pp. 173-4; Gaz. vol. 132; p. 1612.
- Powell, T., Los Angeles, Cal. Therapeutic apparatus. No. 889,964; June 9; Sp. p. 1530; Dr. pp. 345-6; Gaz. vol. 134; p. 1332.
- Powell, T., Santa Rosa, Cal. Gate. No. 890,924; June 16; Sp. p. 3511; Dr. p. 769; Gaz. vol. 134; p. 1679.
- Powell, T. C., Boston, Mass. Ring spinning and twisting apparatus. No. 883,120; Mar. 24; Sp. p. 5224; Dr. p. 1115; Gaz. vol. 133; p. 956.
- Powell, W. H. (See Lord and Powell.)
- Powell, W. O., assignor of one-half to E. A. Eckert, Henderson, Ky. Corn harvesting and husking machine. No. 880,467; Feb. 25; Sp. p. 5322; Dr. p. 1119; Gaz. vol. 132; p. 1800.
- Power, D. P., Riverdale, N. J. Emergency repair device for vehicle-springs. No. 902,250; Oct. 27; Sp. p. 4554; Dr. p. 925; Gaz. vol. 136; p. 1875.
- Power, G. S., Passaic, N. J. Stuffing-box with reversible gland. No. 881,867; Mar. 10; Sp. p. 2742; Dr. p. 587; Gaz. vol. 133; p. 485.
- Power, J. A., New York, N. Y. Multiple-condenser water-still. No. 878,744; Feb. 11; Sp. p. 1800; Dr. p. 373; Gaz. vol. 132; p. 1162.
- Power, J. J., Madison, Wis. Mixing-valve for internal-combustion engines. No. 887,422; May 12; Sp. p. 2236; Dr. p. 468; Gaz. vol. 134; p. 386.
- Power, J. J., Madison, assignor to J. I. Case Threshing Machine Company, Racine, Wis. Corn husker and shredder. No. 900,882; Oct. 13; Sp. p. 1732; Dr. pp. 349-50; Gaz. vol. 136; p. 1365.
- Power and Mining Machinery Company. (See Pettibone, H., assignor.)
- Powers, C. P. (See Powers, V. M. and C. P.)
- Powers, C. R., assignor of one-half to J. Kelley, Princeton, Wis. Dental broach and holder. No. 904,990; Nov. 24; Sp. p. 5061; Gaz. vol. 137; p. 903.
- Powers, E. J., Chicago, Ill. Chuck used in broom-making. No. 899,679; Sept. 29; Sp. p. 4824; Dr. p. 1032; Gaz. vol. 136; p. 914.
- Powers, G. M., Portland, Ore. Trunk-harness tightener. No. 889,042; May 26; Sp. p. 5466; Dr. pp. 1162-3; Gaz. vol. 134; p. 977.
- Powers, J. H., Elkhorn, Wis. Storm-apron device. No. 905,455; Dec. 1; Sp. p. 690; Gaz. vol. 137; p. 1095.
- Powers, J. M. (See Henry and Powers.)
- Powers, J. T., *et al.* (See Jones, T. N., assignor.)
- Powers, L. J., assignor to Powers Manufacturing Company, Waterloo, Iowa. Making horse-collars. No. 890,707; June 16; Sp. p. 3076; Dr. p. 676; Gaz. vol. 134; p. 1609.
- Powers, L. J., assignor to Powers Manufacturing Company, Waterloo, Iowa. Horse-collar. No. 899,560; Sept. 29; Sp. p. 4583; Dr. p. 985; Gaz. vol. 136; p. 877.
- Powers, M. A., Winchester, Mass., assignor of one-half to Chas. H. Stehling Co., Milwaukee, Wis. Unhairing-machine. No. 894,050; July 21; Sp. p. 3504; Dr. pp. 717-18; Gaz. vol. 135; p. 609.
- Powers, M. F., Winchester, Mass. Necktie. (Reissue.) No. 12,873; Nov. 3; Sp. p. 1237; Gaz. vol. 137; p. 203.
- Powers Manufacturing Company. (See Powers, L. J., assignor.)
- Powers, S. B., Springfield, Mo. Automatic seed-cabinet. No. 883,233; Mar. 31; Sp. p. 5470; Dr. p. 1166; Gaz. vol. 133; p. 1023.
- Powers, T. B., New York, N. Y., assignor, by mesne assignment, to Teleelectric Company, Pittsfield, Mass. Electric piano-player. (Reissue.) No. 12,845; Aug. 25; Sp. p. 5119; Dr. pp. 1069-70; Gaz. vol. 135; p. 1781.
- Powers, V. M. and C. P., Sattley, Cal. Cultivator. No. 881,151; Mar. 10; Sp. p. 1317; Dr. p. 284; Gaz. vol. 133; p. 254.
- Poyneer, P., Decatur, Ind. Fanning-mill. No. 876,012; Jan. 7; Sp. p. 634; Dr. pp. 135-6; Gaz. vol. 132; p. 110.
- Prache, C., assignor to La Société d'Exploitation de Procédés Évaporatoires (Système Prache et Bonillon) Paris, France. Thermo-compressor. No. 904,276; Nov. 17; Sp. p. 3565; Gaz. vol. 137; p. 638.
- Prache, C. L., and C. G. V. Bouillon, Paris, France. Apparatus for evaporating and concentrating liquids. No. 896,460; Aug. 18; Sp. p. 3344; Dr. pp. 719-20; Gaz. vol. 135; p. 1490.
- Prack, B. H., Crafton, Pa. Core-oven. No. 886,854; May 5; Sp. p. 1047; Dr. pp. 220-1; Gaz. vol. 134; p. 172.
- Pradeau, C. W., Shepherd's Bush, London, England. Clutch. No. 902,999; Nov. 3; Sp. p. 946; Gaz. vol. 137; p. 156.
- Prager, M., New York, N. Y. Necktie. No. 903,607; Nov. 10; Sp. p. 2155; Gaz. vol. 137; p. 382.
- Prager, M., and E. L. Hayden, Savannah, Ga. Steam-superheater. No. 880,399; Feb. 25; Sp. p. 5167; Dr. p. 1090; Gaz. vol. 132; p. 1775.
- Prahar, L. B., New York, N. Y. Bag or purse fastener. No. 886,855; May 5; Sp. p. 1049; Dr. p. 221; Gaz. vol. 134; p. 172.
- Prahar, L. B., New York, N. Y. Gas-lighter. No. 897,780; Sept. 1; Sp. p. 1090; Dr. p. 234; Gaz. vol. 136; p. 174.
- Prahar, L. B., New York, N. Y. Lock for bag-frames. No. 900,421; Oct. 6; Sp. p. 730; Dr. p. 152; Gaz. vol. 136; p. 1188.
- Prater, H. M., and H. R. Wilhelm, Crocker, Mo. Street-car fender. No. 889,151; May 26; Sp. p. 5708; Dr. p. 1208; Gaz. vol. 134; p. 1012.
- Prater, J. E., and R. S. Pierson, Kingfisher, Okla. Steam-cooker. No. 887,844; May 19; Sp. p. 3080; Dr. p. 646; Gaz. vol. 134; p. 555.
- Prather, F. M., Los Angeles, Cal. Wave-motor. No. 882,269; Mar. 17; Sp. p. 3573; Dr. pp. 758-9; Gaz. vol. 133; p. 644.
- Prather, F. M., Los Angeles, Cal. Clutch. No. 902,761; Nov. 3; Sp. p. 447; Gaz. vol. 137; p. 77.
- Pratt, A., Dukinfield, England. Exhaust-muffler. No. 879,583; Feb. 18; Sp. p. 3484; Dr. p. 730; Gaz. vol. 132; p. 1475.
- Pratt, A. W., Eureka, Cal. Electric-light-cord take-up. No. 906,286; Dec. 8; Sp. p. 2296; Gaz. vol. 137; p. 1395.
- Pratt, C. A., assignor to Goodman Manufacturing Company, Chicago, Ill. Composite locomotive. No. 900,776; Oct. 13; Sp. p. 1502; Dr. p. 305; Gaz. vol. 136; p. 1330.
- Pratt, C. A., assignor to Goodman Manufacturing Company, Chicago, Ill. Car. No. 908,134; Dec. 29; Sp. p. 5991; Gaz. vol. 137; p. 2086.
- Pratt, C. N., Rochester, N. Y. Oil or thermal cut-out. No. 907,872; Dec. 29; Sp. p. 5438; Gaz. vol. 137; p. 2001.
- Pratt, C. T., Frankfurt, N. Y. Automobile running-gear. No. 878,156; Feb. 4; Sp. p. 515; Dr. pp. 110-11; Gaz. vol. 132; p. 934.
- Pratt, C. T., Frankfurt, N. Y. Automobile running-gear. No. 888,737; May 26; Sp. p. 4830; Dr. p. 1031; Gaz. vol. 134; p. 877.
- Pratt, F. H., Baltimore, Md. Antislipping device. No. 907,172; Dec. 22; Sp. p. 3962; Gaz. vol. 137; p. 1736.
- Pratt, H. G. (See Tolman and Pratt.)
- Pratt, J. R., Denison, Tex. Can-cover. No. 905,362; Dec. 1; Sp. p. 468; Gaz. vol. 137; p. 1052.
- Pratt, L. L., Philadelphia, Pa. Rotary pump. No. 897,655; Sept. 1; Sp. p. 835; Dr. p. 176; Gaz. vol. 136; p. 133.
- Pratt, W. H., Lynn, Mass., assignor to General Electric Company. Prepayment-meter. No. 900,777; Oct. 13; Sp. p. 1504; Dr. p. 306; Gaz. vol. 136; p. 1331.
- Pratt, W. H., and C. E. Holmes, Lynn, Mass., assignors to General Electric Company. Electric meter. No. 908,135; Dec. 29; Sp. p. 5993; Gaz. vol. 137; p. 2086.
- Pratt, W. M., Greenfield, Mass. Automatic screw-driver. No. 887,423; May 12; Sp. p. 2238; Dr. p. 469; Gaz. vol. 134; p. 386.
- Pratt & Whitney Co. (See Hanson and Post, assignors.)
- Pratt & Whitney Company. (See Hanson, B. M. W., assignor.)
- Pratt & Whitney Company. (See Hanson and Hoagland, assignors.)
- Pratt & Whitney Company. (See Valentine, A. L., assignor.)
- Pratt & Whitney Company. (See Valentine and Dahl, assignors.)
- Pratte, C. A., assignor of one-half to C. J. Crews, Denver, Colo. Headlight-curtain. No. 907,704; Dec. 22; Sp. p. 5111; Gaz. vol. 137; p. 1916.
- Prazak, E., Elizabeth, N. J. Attachment for talking-machines. No. 885,178; Apr. 21; Sp. p. 3109; Dr. p. 655; Gaz. vol. 133; p. 1743.
- Preacher, G. L., Augusta, Ga. End-thrust bearing for driers and screens. No. 889,043; May 26; Sp. p. 5469; Dr. p. 1163; Gaz. vol. 134; p. 977.

Alphabetical list of patentees—Continued.

- Preacher, G. L., Augusta, Ga. Column-base. No. 902,448; Oct. 27; Sp. p. 4981; Dr. pp. 1006-7; Gaz. vol. 136; p. 1942.
- Preble, H. T. (See Kincaid and Preble.)
- Preble, H. T., and J. W. Payne, Stockton, Cal.; said Payne assignor to said Preble. Tilting sidehill-harvester. No. 899,432; Sept. 22; Sp. p. 4303; Dr. pp. 923-4; Gaz. vol. 136; p. 798.
- Preble, W. A., Fall River, Mass. Cushion for shoes. No. 891,634; June 23; Sp. p. 4980; Dr. p. 1073; Gaz. vol. 134; p. 1944.
- Prehn, J. F. (See Barth and Sauter, assignors.)
- Prellwitz, W., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock-drilling machine. No. 892,082; June 30; Sp. p. 5876; Dr. p. 1265; Gaz. vol. 134; p. 2123.
- Prellwitz, W., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Brace attachment for fluid-pressure-operated tools. No. 898,679; Sept. 15; Sp. p. 2902; Dr. p. 621; Gaz. vol. 136; p. 528.
- Prellwitz, W., Easton, Pa., assignor to Ingersoll-Sergeant Drill Company, New York, N. Y. Valve-operating device for compressors. No. 898,135; Sept. 8; Sp. p. 1847; Dr. pp. 393-4; Gaz. vol. 136; p. 321.
- Prentice, G. E., New Britain, Conn., assignor to Traut & Hine Manufacturing Company. Metal ornamentation. No. 880,572; Mar. 3; Sp. p. 173; Dr. p. 38; Gaz. vol. 133; p. 31.
- Prentice, J. H., Glendive, Mont. Puzzle. No. 879,316; Feb. 18; Sp. p. 2917; Dr. p. 608; Gaz. vol. 132; p. 1388.
- Prentice, T., New Britain, Conn. Rule-tip. No. 897,927; Sept. 8; Sp. p. 1420; Dr. p. 303; Gaz. vol. 136; p. 255.
- Prentiss, A. B., Brandon, Oreg. Rubber-dam holder and cutter. No. 896,662; Aug. 18; Sp. p. 3728; Dr. p. 803; Gaz. vol. 135; p. 1554.
- Prentiss, C. W., assignor to Southern Furniture Company, Atlanta, Ga. Pedestal extension-table. No. 894,051; July 21; Sp. p. 3506; Dr. p. 718; Gaz. vol. 135; p. 609.
- Prentiss, H. S., Elizabeth, N. J. Electric signaling-clock. No. 879,410; Feb. 18; Sp. p. 3118; Dr. pp. 648-9; Gaz. vol. 132; p. 1418.
- Prentiss, H. S., Elizabeth, N. J. Self-winding clock. No. 879,411; Feb. 18; Sp. p. 3121; Dr. p. 649; Gaz. vol. 132; p. 1419.
- Prentiss, S. B. (See Ward S. M., Jr., assignor.)
- Prentiss, S. B., Washington, D. C. Platen shift-key for type-writing machines. No. 879,317; Feb. 18; Sp. p. 2917; Dr. p. 608; Gaz. vol. 132; p. 1388.
- Prescher, F. R. (See Smith, G. W., assignor.)
- Prescott, A. J., Rochester, N. Y. Lather-brush. No. 876,090; Jan. 7; Sp. p. 795; Dr. p. 169; Gaz. vol. 132; p. 135.
- Prescott, C. H., East Liverpool, Ohio. Grease-cup. No. 897,349; Sept. 1; Sp. p. 1237; Dr. p. 265; Gaz. vol. 136; p. 196.
- Prescott, C. H., East Liverpool, Ohio. Boiler-cleaner. No. 899,261; Sept. 2; Sp. p. 4016; Dr. p. 857; Gaz. vol. 136; p. 745.
- Prescott, C. H., assignor of one-half to J. E. Davis, East Liverpool, Ohio. Machine for molding butter. No. 897,487; Sept. 1; Sp. p. 503; Dr. p. 107; Gaz. vol. 136; p. 80.
- Prescott, C. H., assignor of one-half to J. E. Davis, East Liverpool, Ohio. Sawing apparatus. No. 897,488; Sept. 1; Sp. p. 505; Dr. p. 107; Gaz. vol. 136; p. 80.
- Prescott, D. C., Chicago, Ill. Power set-works for sawmills. No. 904,806; Nov. 24; Sp. p. 4686; Gaz. vol. 137; p. 842.
- Prescott, E. S., San Francisco, Cal. Thread-holder for spools. No. 885,517; Apr. 21; Sp. p. 3774; Dr. p. 794; Gaz. vol. 133; p. 1853.
- Prescott, H. A. and J. C., assignors of one-tenth to R. Smirhwaite, Germantown, Pa. Internal-combustion engine. No. 887,345; May 12; Sp. p. 2061; Dr. p. 432; Gaz. vol. 134; p. 361.
- Prescott, J. C. (See Prescott, H. A. and J. C.)
- Prescott, O. D., New York, N. Y. Electric railway. No. 876,659; Jan. 14; Sp. p. 2015; Dr. p. 439; Gaz. vol. 132; p. 357.
- Prescott, S. I., assignor to American Tobacco Company, New York, N. Y. Paper-strip controlling and printing mechanism for cigarette-machines. No. 882,651; Mar. 24; Sp. p. 4295; Dr. p. 911; Gaz. vol. 133; p. 803.
- Prescott, S. I., assignor to R. L. Patterson and G. Arents, Jr., New York, N. Y. Cigar-machine. No. 879,192; Feb. 18; Sp. p. 2674; Dr. pp. 558-9; Gaz. vol. 132; p. 1347.
- Press Button Knife Company. (See McVey, G. L., assignor.)
- Pressed Prism Plate Glass Company. (See Wadsworth, F. L. O., assignor.)
- Pressed Steel Car Company. (See Blest, M. C., assignor.)
- Pressed Steel Car Company. (See Bower, J. G., assignor.)
- Pressed Steel Car Company. (See Dodds, E. I., assignor.)
- Pressed Steel Car Company. (See Lindström, C. A., assignor.)
- Pressed Steel Car Company. (See Streib, J. F., assignor.)
- Pressed Steel Manufacturing Company. (See Nice, W., Jr., assignor.)
- Pressed Steel Wagon Bolster Co. (See Bleckley, F. W., assignor.)
- Presser, H. B., Memphis, Tenn. Alarm-gage. No. 885,289; Apr. 21; Sp. p. 3334; Dr. p. 696; Gaz. vol. 133; p. 1780.
- Pressey, H. F., assignor of one-third to W. F. Chamberlain, Bridgeport, Conn. Electrical dental and surgical appliance. No. 876,997; Jan. 21; Sp. p. 2699; Dr. p. 585; Gaz. vol. 132; p. 507.
- Prest, J. E., Melrose, Mass. Thread-guide mechanism. No. 886,638; May 5; Sp. p. 582; Dr. p. 122; Gaz. vol. 134; p. 102.
- Prest, W. H., Webbwood, Ontario, Canada. Vessel-closure. No. 892,886; July 7; Sp. p. 995; Dr. p. 208; Gaz. vol. 135; p. 166.
- Preston, A. F., Boston, Mass. Binding-machine. No. 896,461; Aug. 18; Sp. p. 3347; Dr. pp. 720-1; Gaz. vol. 135; p. 1491.
- Preston, A. F., Boston, Mass. Cutting-machine. No. 897,142; Aug. 25; Sp. p. 4778; Dr. pp. 1017-18; Gaz. vol. 135; p. 1738.
- Preston, A. F., Boston, Mass. Machine for grading patterns. No. 897,555; Sept. 1; Sp. p. 648; Dr. p. 136; Gaz. vol. 136; p. 101.
- Preston, A. F., Boston, Mass. Cutting and edge-compacting member for cutting-machines. No. 898,259; Sept. 8; Sp. p. 2078; Dr. p. 442; Gaz. vol. 136; p. 359.
- Preston, A. F., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Machine for driving fasteners. (Reissue.) No. 12,820; June 23; Sp. p. 5344; Dr. pp. 1157-8; Gaz. vol. 134; p. 2005.
- Preston, A. F., East Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Nailing-machine. (Reissue.) No. 12,821; June 30; Sp. p. 6472; Dr. pp. 1395-6; Gaz. vol. 134; p. 2224.
- Preston, D. E., assignor to Wolf, Sayer & Heller, Inc., Chicago, Ill. Cleaning-machine. No. 889,716; June 2; Sp. p. 1038; Dr. p. 240; Gaz. vol. 134; p. 1225.
- Preston, E. L., Dawn, Mo. Automatic gas-valve. No. 898,260; Sept. 8; Sp. p. 2080; Dr. p. 442; Gaz. vol. 136; p. 359.
- Preston, G. L., Townville, Pa. Spoke-puller. No. 876,234; Jan. 7; Sp. p. 1065; Dr. p. 231; Gaz. vol. 132; p. 180.
- Preston, S. H., New Castle, Pa. Compound vehicle-axle. No. 897,143; Aug. 25; Sp. p. 4782; Dr. p. 1018; Gaz. vol. 135; p. 1739.
- Preston, W., Stratford, Ontario, Canada. Gyrotory sifter. No. 885,082; Apr. 21; Sp. p. 2883; Dr. pp. 611-12; Gaz. vol. 133; p. 1712.
- Preston, W. A., Roe, Ark. Harrow. No. 877,452; Jan. 21; Sp. p. 3615; Dr. p. 782; Gaz. vol. 132; p. 657.
- Preston, W. L., Lincoln, Ill. Wagon-jack. No. 883,344; Mar. 31; Sp. p. 5679; Dr. p. 1212; Gaz. vol. 133; p. 1058.
- Preston, W. M., assignor of one-half to W. and R. Bahr, Spring Valley, Wis. Vehicle-hub. No. 879,584; Feb. 18; Sp. p. 3485; Dr. p. 730; Gaz. vol. 132; p. 1475.
- Prettie, R. J., Worcester, Mass., assignor to Aeolian Company. Mechanical musical instrument. No. 893,263; July 14; Sp. p. 1772; Dr. p. 373; Gaz. vol. 135; p. 320.
- Pretzell, C. (See Ernst and Pretzell.)
- Preuss, G., Charlottenburg, Germany. Making dynamo-brushes. No. 906,928; Dec. 15; Sp. p. 3506; Gaz. vol. 137; p. 1624.
- Prevot, J., Green Bay, Wis. Life-boat detaching device. No. 898,004; Sept. 8; Sp. p. 1577; Dr. p. 336; Gaz. vol. 136; p. 280.
- Price, A. M., Elgin, Ill., assignor, by mesne assignments, to A. E. Brion, New York, N. Y. Cutting mechanism for wrapping-machines. No. 880,465; Feb. 25; Sp. p. 5316; Dr. p. 1118; Gaz. vol. 132; p. 1799.
- Price, A. M., Elgin, Ill., assignor, by mesne assignments, to A. E. Brion, New York, N. Y. Feeding mechanism for wrapping-machines. No. 881,084; Mar. 3; Sp. p. 1180; Dr. pp. 255-6; Gaz. vol. 133; p. 201.
- Price, A. W. (See Williams and Price.)
- Price, C. B., *et al.* (See Palmer, G. E., assignor.)
- Price, C. H., Finleyville, Pa. Nut-lock. No. 904,360; Nov. 17; Sp. p. 3744; Gaz. vol. 137; p. 666.
- Price, E. F., Niagara Falls, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Producing ferrosilicon. No. 882,417; Mar. 17; Sp. p. 3830; Dr. p. 818; Gaz. vol. 133; p. 692.
- Price, E. F., Niagara Falls, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Producing silicospiegel. No. 882,418; Mar. 17; Sp. p. 3831; Dr. p. 818; Gaz. vol. 133; p. 692.
- Price, E. F., Niagara Falls, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Producing manganese silicid. No. 882,582; Mar. 24; Sp. p. 4156; Dr. p. 881; Gaz. vol. 133; p. 779.
- Price, E. F., Niagara Falls, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Electric furnace. No. 886,856; May 5; Sp. p. 1051; Dr. p. 221; Gaz. vol. 134; p. 172.
- Price, E. F., Niagara Falls, N. Y., assignor to Electro Metallurgical Company, Chicago, Ill. Producing low-carbon ferro alloys. No. 886,858; May 5; Sp. p. 1053; Gaz. vol. 134; p. 173.
- Price, E. F., assignor to Union Carbide Company, Niagara Falls, N. Y. Smelting metallic compounds and producing carbids. No. 904,991; Nov. 24; Sp. p. 5063; Gaz. vol. 137; p. 903.
- Price, E. F., and F. J. Tone, Niagara Falls, N. Y. Electrode for electric furnaces and making the same. No. 887,123; May 12; Sp. p. 1562; Gaz. vol. 134; p. 287.
- Price, E. F., and F. M. Becket, Niagara Falls, N. Y., assignors, by mesne assignments, to Central Trust Company of New York, trustee. Reducing metallic oxids. No. 891,565; June 23; Sp. p. 4825; Gaz. vol. 134; p. 1921.
- Price, E. F., and W. S. Horry, Niagara Falls, N. Y., assignors, by mesne assignments, to Central Trust Company of New York, trustee. Electrolytic process of producing metals. No. 886,857; May 5; Sp. p. 1053; Gaz. vol. 134; p. 173.

Alphabetical list of patentees—Continued.

- Price, F. S., *et al.* (See Palmer, G. E., assignor.)
 Price, I. N. (See Dietz, C., assignor.)
 Price, J. W., Konawa, Okla. Firearm. No. 898,988; Sept. 15; Sp. p. 3454; Dr. p. 740; Gaz. vol. 136; p. 628.
 Price, J. W., Covington, Ind. Gatz. No. 907,873; Dec. 29; Sp. p. 5441; Gaz. vol. 137; p. 2001.
 Price, L. W., Whitten, Iowa. Commode. No. 902,449; Oct. 27; Sp. p. 4984; Dr. pp. 1007-8; Gaz. vol. 136; p. 1942.
 Price, R. S., Rochester, N. Y. Mouth-prop. No. 892,682; July 7; Sp. p. 564; Dr. p. 119; Gaz. vol. 135; p. 99.
 Price, V., assignor to C. J. Higley, New York, N. Y. Hose-supporter. No. 905,099; Nov. 24; Sp. p. 5276; Gaz. vol. 137; p. 940.
 Price, W. D., J. A. Dreher, and A. E. Welker, Cleveland, Ohio. Boring-machine. No. 894,228; July 28; Sp. p. 3869; Dr. p. 801; Gaz. vol. 135; p. 687.
 Price, W. G., New Castle, Pa. Elliptic spring. No. 881,948; Mar. 17; Sp. p. 2930; Dr. p. 625; Gaz. vol. 133; p. 541.
 Price, W. G., New Castle, Pa. Truck-bolster hanger. No. 881,949; Mar. 17; Sp. p. 2931; Dr. p. 625; Gaz. vol. 133; p. 541.
 Price, W. G., New Castle, Pa. Brake-rigging. No. 894,853; Aug. 4; Sp. p. 101; Dr. p. 21; Gaz. vol. 135; p. 917.
 Priddy, S. N. E., Findlay, Ohio. Traction-plow. No. 907,173; Dec. 22; Sp. p. 3964; Gaz. vol. 137; p. 1737.
 Pridmore, J. W., Chicago, Ill., assignor to International Harvester Company. Reaping attachment for mowers. No. 882,164; Mar. 17; Sp. p. 3368; Dr. pp. 717-18; Gaz. vol. 133; p. 609.
 Pridmore, W. A., Chicago, Ill. Combined envelop and letter-sheet. No. 878,234; Feb. 4; Sp. p. 697; Dr. p. 144; Gaz. vol. 132; p. 959.
 Priebe, H. C., Blue Island, Ill. Rocker-bottom car. No. 876,587; Jan. 14; Sp. p. 1849; Dr. p. 404; Gaz. vol. 132; p. 332.
 Priem, P., Heidenheim-on-the-Brenz, Germany. Horizontal centrifugal separating-machine for lignin, cellulose, and the like. No. 897,144; Aug. 25; Sp. p. 4783; Dr. p. 1018; Gaz. vol. 135; p. 1739.
 Prier, A. L. (See Moore, J., assignor.)
 Pries, A. M., Elizabeth, N. J. Registry device for tramway-cars. No. 907,874; Dec. 29; Sp. p. 5442; Gaz. vol. 137; p. 2001.
 Pries, H., Michigan City, Ind. Underframing for cars. No. 893,650; July 21; Sp. p. 2593; Dr. p. 540; Gaz. vol. 135; p. 476.
 Priest, E. D., Schenectady, N. Y., assignor to General Electric Company. Means for supporting brush-holders. No. 876,998; Jan. 21; Sp. p. 2701; Dr. p. 586; Gaz. vol. 132; p. 507.
 Priest, M. B., Milwaukee, Wis., assignor to Priest Tire Company. Vehicle-tire. No. 885,646; Apr. 21; Sp. p. 4063; Dr. p. 849; Gaz. vol. 133; p. 1892.
 Priest, M. B., Milwaukee, Wis., assignor to Priest Tire Company. Pneumatic vehicle-tire. No. 885,647; Apr. 21; Sp. p. 4064; Dr. p. 849; Gaz. vol. 133; p. 1892.
 Priest, S., Jr., West Devonport, Tasmania, Australia. Wall-tie. No. 903,000; Nov. 3; Sp. p. 947; Gaz. vol. 137; p. 156.
 Priest Tire Company. (See Priest, M. B., assignor.)
 Priestler, H., New York, N. Y. Pen-support. No. 891,099; June 16; Sp. p. 3864; Dr. p. 844; Gaz. vol. 134; p. 1737.
 Priestly, F. C. (See Seabrook and Priestly.)
 Priestman, A., Philadelphia, Pa. Apparatus for automatically discharging liquids. No. 884,522; Apr. 14; Sp. p. 1727; Dr. p. 371; Gaz. vol. 133; p. 1497.
 Priley, N. H., Duluth, Minn. Box-lid support. No. 882,713; Mar. 24; Sp. p. 4414; Dr. p. 938; Gaz. vol. 133; p. 823.
 Primm, J. C., assignor to one-half to J. M. Beaver, Lincoln, Ill. Lifting-jack. No. 896,151; Aug. 18; Sp. p. 2718; Dr. p. 587; Gaz. vol. 135; p. 1389.
 Prims, J. C., assignor to J. C. Prims Machinery Company, Battle Creek, Mich. Roaster. No. 884,523; Apr. 14; Sp. p. 1729; Dr. p. 371; Gaz. vol. 133; p. 1497.
 Prince, J., Chicago, Ill. Tool-holder. No. 903,501; Nov. 10; Sp. p. 1933; Gaz. vol. 137; p. 348.
 Princess Manufacturing Company. (See Oebner, W. C., assignor.)
 Prindle, E. J., Washington, D. C. Last-block. No. 898,989; Sept. 15; Sp. p. 3456; Dr. p. 740; Gaz. vol. 136; p. 628.
 Prindle, R. S., assignor to one-half to C. H. and V. C. Tompkins, New York, N. Y. Means for transmitting power. No. 888,654; May 26; Sp. p. 4673; Dr. pp. 993-4; Gaz. vol. 134; p. 852.
 Prindle, W. A., Merrillan, Wis. Potato-masher. No. 882,078; Mar. 17; Sp. p. 3207; Dr. p. 681; Gaz. vol. 133; p. 583.
 Pringle, I. H., Whistler, Ala. Mail-crane. No. 889,545; June 2; Sp. p. 706; Dr. p. 163; Gaz. vol. 134; p. 1171.
 Pringle, J. L., New Britain, Conn. Plane. No. 890,575; June 9; Sp. p. 2762; Dr. p. 610; Gaz. vol. 134; p. 1533.
 Pringle, J. L., New Britain, Conn. Miter-box. No. 901,468; Oct. 20; Sp. p. 2940; Dr. p. 600; Gaz. vol. 136; p. 1593.
 Pringle, R. A., assignor to one-half to B. A. Garlinghouse, Jackson, Mich. Wire-fence tie. No. 906,460; Dec. 8; Sp. p. 2610; Gaz. vol. 137; p. 1449.
 Prinke, C. L. H., Baltimore, Md. Automatic firearm. No. 904,646; Nov. 24; Sp. p. 4337; Gaz. vol. 137; p. 788.
 Prinz, F., Milwaukee, Wis. Grain and seed separator. No. 897,489; Sept. 1; Sp. p. 506; Dr. p. 108; Gaz. vol. 136; p. 81.
 Prinz, W. H., Oak Park, assignor to Saladin Pneumatic Mating Construction Company, Chicago, Ill. Strainer for steep-tanks. No. 885,786; Apr. 28; Sp. p. 4388; Dr. p. 914; Gaz. vol. 133; p. 1968.
 Prinz, W. H., Oak Park, assignor to Saladin Pneumatic Mating Construction Company, Chicago, Ill. Malt-house. No. 905,225; Dec. 1; Sp. p. 211; Gaz. vol. 137; p. 1018.
 Prinz, W. H., Oak Park, assignor to two-thirds to C. A. and G. Plamondon, Chicago, Ill. Malt-kiln. No. 897,781; Sept. 1; Sp. p. 1092; Dr. p. 234; Gaz. vol. 136; p. 175.
 Prior, E. S., Omaha, Nebr. Car-seal. No. 876,838; Jan. 14; Sp. p. 2329; Dr. p. 512; Gaz. vol. 132; p. 412.
 Prior, G. S., Hyde Park, Mass. Sash-lock. No. 897,145; Aug. 25; Sp. p. 4784; Dr. p. 1019; Gaz. vol. 135; p. 1739.
 Prisk, W. M. (See Gaunt, J., assignor.)
 Pritchard, A. R., Rochester, N. Y. Pail-supporting device. No. 877,595; Jan. 28; Sp. p. 3929; Dr. p. 850; Gaz. vol. 132; p. 725.
 Pritchard, R. W., Portland, Ore. Sanitary receptacle. No. 907,875; Dec. 29; Sp. p. 5443; Gaz. vol. 137; p. 2002.
 Pritchard-Strong Company. (See Satter, F. A., assignor.)
 Pritchard, T. W., Wilmington, N. C., assignor to one-fourth to H. MacRae, Washington, D. C., and H. M. Chase, Wilmington, N. C. Destructive distillation of wood. No. 880,466; Feb. 25; Sp. p. 5319; Dr. p. 1119; Gaz. vol. 132; p. 1800.
 Probst, K., assignor of fifty-one one-hundredths to Seagrave Company, Columbus, Ohio. Transmission-gearing for motor-vehicles. No. 905,226; Dec. 1; Sp. p. 213; Gaz. vol. 137; p. 1019.
 Probst, W. F. (See Bierley and Probst.)
 Procter, J., Pabianice, near Lodz, Russia. Reversible steam-turbine. No. 892,304; June 30; Sp. p. 6311; Dr. pp. 1359-60; Gaz. vol. 134; p. 2198.
 Proctor, A. W., New York, N. Y. Perpetual calendar. No. 900,310; Oct. 6; Sp. p. 509; Dr. p. 105; Gaz. vol. 136; p. 1152.
 Proctor, F. E., Grand Rapids, Mich. Nutcracker. No. 888,738; May 26; Sp. p. 4832; Dr. p. 1031; Gaz. vol. 134; p. 878.
 Proctor, G., *et al.* (See Guernsey, C. C., assignor.)
 Proctor, J. C., assignor to Smith & Furbush Machine Company, Philadelphia, Pa. Garnet-machine. No. 889,546; June 2; Sp. p. 707; Dr. p. 163; Gaz. vol. 134; p. 1171.
 Proctor, O. S., Denver, Colo. Electropneumatic drill. No. 879,828; Feb. 18; Sp. p. 3980; Dr. p. 833; Gaz. vol. 132; p. 1555.
 Proctor, O. S., Denver, Colo., assignor, by mesne assignments, to Terry, Tench & Proctor Tunneling Machine Company. Tunneling-machine. No. 900,950; Oct. 13; Sp. p. 1873; Dr. pp. 382-3; Gaz. vol. 136; p. 1287.
 Proctor, O. S., Denver, Colo., assignor, by mesne assignments, to Terry, Tench & Proctor Tunneling Machine Company. Tunneling-machine. No. 900,951; Oct. 13; Sp. p. 1878; Dr. pp. 383-4; Gaz. vol. 136; p. 1388.
 Proctor, W. H., Corning, N. Y. Device for warming beds. No. 882,714; Mar. 24; Sp. p. 4415; Dr. pp. 938-9; Gaz. vol. 133; p. 823.
 Procunier, W. L., Chicago, Ill. Yielding bit and tap chuck. No. 900,122; Oct. 6; Sp. p. 109; Dr. p. 23; Gaz. vol. 136; p. 1090.
 Proebstel, J. C., Portland, Ore. Recording and duplicating device. No. 882,123; Mar. 17; Sp. p. 3276; Dr. pp. 698-9; Gaz. vol. 133; p. 597.
 Frogler, C. H., Ripley, W. Va. Cabinet for holding disk records. No. 881,950; Mar. 17; Sp. p. 2933; Dr. p. 625; Gaz. vol. 133; p. 541.
 Progressive Leather Goods Company. (See Auslander, G., assignor.)
 Prohaska, A., Philadelphia, Pa. Shears or scissors. No. 879,064; Feb. 11; Sp. p. 2397; Dr. p. 502; Gaz. vol. 132; p. 1263.
 Prohlus, B. A. O., Copenhagen, Denmark. Liner-plate. No. 877,732; Jan. 28; Sp. p. 4182; Dr. p. 906; Gaz. vol. 132; p. 768.
 Fromberger, R., Allegheny, Pa. Pencil. No. 893,367; July 14; Sp. p. 1963; Dr. p. 412; Gaz. vol. 135; p. 353.
 Prometheus Electric Company. (See Ripley, W. H., assignor.)
 Prophet, J. W., *et al.* (See Gormley, C., assignor.)
 Prosser, H. A., Salt Lake City, Utah, and J. B. Ladd, Ardmore, Pa. Apparatus for charging furnaces. No. 894,392; July 28; Sp. p. 4221; Dr. pp. 870-1; Gaz. vol. 135; p. 741.
 Protected Rail Bond Company. (See Englund, A. H., assignor.)
 Prothero, J. H., Chicago, Ill. Dental face-bow. No. 894,983; Aug. 4; Sp. p. 422; Dr. p. 86; Gaz. vol. 135; p. 962.
 Prouty, C. N. (See Hood, H. A., assignor.)
 Prouty, C. W., assignor to one-half to F. S. Lewis, Minneapolis, Minn. Window-sash fastener. No. 889,261; June 2; Sp. p. 132; Dr. p. 33; Gaz. vol. 134; p. 1080.
 Prouty, G. W., Dorchester, Mass. Dampening device for printing-presses and similar machines. No. 882,536; Mar. 17; Sp. p. 4065; Dr. p. 865; Gaz. vol. 133; p. 732.
 Prouty, J. R., Reedsburg, Wis. Butter-printing machine. No. 883,345; Mar. 31; Sp. p. 5680; Dr. pp. 1213-14; Gaz. vol. 133; p. 1058.
 Prouty, T. C., Aurora, Ill. Trolley-track. No. 891,369; June 23; Sp. p. 4430; Dr. p. 964; Gaz. vol. 134; p. 1857.

Alphabetical list of patentees—Continued.

- Prouty, T. C., assignor to Wilcox Manufacturing Company, Aurora, Ill. Supporting-bracket for door-hanger tracks. No. 894,229; July 28; Sp. p. 3871; Dr. p. 801; Gaz. vol. 135; p. 687.
- Prouty, T. C., assignor to Wilcox Manufacturing Company, Aurora, Ill. Wheel for door-hangers. No. 894,230; July 28; Sp. p. 3872; Dr. p. 802; Gaz. vol. 135; p. 688.
- Prouty, T. C., assignor to Wilcox Manufacturing Company, Aurora, Ill. Lock. No. 897,924; Sept. 8; Sp. p. 1411; Dr. p. 301; Gaz. vol. 136; p. 254.
- Prouty, T. C., assignor to Wilcox Manufacturing Company, Aurora, Ill. Ladder. No. 907,401; Dec. 22; Sp. p. 4429; Gaz. vol. 137; p. 1815.
- Prouty, T. C., assignor to Wilcox Manufacturing Company, Aurora, Ill. Ladder. No. 907,402; Dec. 22; Sp. p. 4432; Gaz. vol. 137; p. 1815.
- Prouty, T. C., Aurora, Ill., assignor to T. C. Prouty Company, Limited, Albion, Mich. Pneumatic hammer. No. 898,505; Sept. 15; Sp. p. 2549; Dr. p. 547; Gaz. vol. 136; p. 471.
- Providence Gas Motor Company. (See Wattles, C. B., assignor.)
- Providence Plant Irrigator Company. (See Bunker, J. W., assignor.)
- Providence Tipping Machine Company. (See Church, W. H., assignor.)
- Provost Manufacturing Company. (See Provost, P., assignor.)
- Provost, P., Menominee, Mich., assignor to Provost Manufacturing Company. Grain-drier. No. 893,812; July 21; Sp. p. 2992; Dr. p. 613; Gaz. vol. 135; p. 530.
- Pruden, J. B., Thompson Falls, Mont. Automatic safety-clutch for windlasses and hoisting-machines. No. 904,226; Nov. 17; Sp. p. 3465; Gaz. vol. 137; p. 621.
- Pruden, W. H., Chicago, Ill. Combined candelabrum and flower-holder. No. 903,227; Nov. 10; Sp. p. 1393; Gaz. vol. 137; p. 258.
- Prue, L., Wabeno, Wis. Rotary cultivator. No. 905,577; Dec. 1; Sp. p. 941; Gaz. vol. 137; p. 1133.
- Prue, L., and W. Charlton, Wabeno, Wis. Beet-puller. No. 879,065; Feb. 11; Sp. p. 2399; Dr. p. 502; Gaz. vol. 132; p. 1264.
- Pruitt, O. M. (See Harris, O. E., assignor.)
- Prusz, F., Centralia, Ill. Cleansing compound. No. 879,902; Feb. 25; Sp. p. 4187; Dr. p. 874; Gaz. vol. 132; p. 1612.
- Pruyn, W. H., Jr., Chicago, Ill. Concrete railway-tie. No. 885,863; Apr. 28; Sp. p. 4516; Dr. p. 948; Gaz. vol. 133; p. 1994.
- Pryabil estate, P. (See Fischer and Dette, assignors.)
- Pryce, L., Germiston, Transvaal. Apparatus for loading and measuring. No. 880,400; Feb. 25; Sp. p. 5169; Dr. p. 1090; Gaz. vol. 132; p. 1775.
- Pryor, C. E., Binghamton, N. Y. Pneumatic piano-player. No. 892,887; July 7; Sp. p. 997; Dr. pp. 208-9; Gaz. vol. 135; p. 166.
- Pryor, C. E., Binghamton, N. Y. Fulcrum-bar for player-pianos. No. 893,012; July 14; Sp. p. 1277; Dr. p. 269; Gaz. vol. 135; p. 238.
- Pryor, C. E., Binghamton, N. Y. Piano-player attachment. No. 894,695; July 28; Sp. p. 4522; Dr. pp. 1001-2; Gaz. vol. 135; p. 841.
- Pryor, C. E., Binghamton, N. Y. Touch-regulator for pianos. No. 897,556; Sept. 1; Sp. p. 653; Dr. p. 137; Gaz. vol. 136; p. 102.
- Pryor, C. E., Binghamton, N. Y. Fall-board mechanism for pianos. No. 898,781; Sept. 15; Sp. p. 3083; Dr. p. 660; Gaz. vol. 136; p. 560.
- Pryor, D. (See Wilson, A. H., assignor.)
- Pryor, E. H., Medina, N. Y. Cable-switch. No. 890,374; June 9; Sp. p. 2388; Dr. p. 526; Gaz. vol. 134; p. 1467.
- Pryor, R. C., assignor of one-half to C. U. Stottlemeyer, near Wolfsville, Md. Wagon-brake. No. 904,361; Nov. 17; Sp. p. 3745; Gaz. vol. 137; p. 666.
- Przygoda, J., assignor of one-third to I. B. Rolka, Patton, Pa. Inkstand. No. 907,643; Dec. 22; Sp. p. 4966; Gaz. vol. 137; p. 1894.
- Przygoda, A., Charlottenburg, Germany, assignor to General Electric Company. Motor-vehicle. No. 903,884; Nov. 17; Sp. p. 2732; Gaz. vol. 137; p. 504.
- Publow, W. J., assignor to Farrand Company, Detroit, Mich. Pneumatic action for automatic pianos. No. 891,951; June 30; Sp. p. 5655; Dr. p. 1218; Gaz. vol. 134; p. 2083.
- Publow, W. J., assignor to Farrand Company, Detroit, Mich. Self-playing musical instrument. No. 897,656; Sept. 1; Sp. p. 836; Dr. p. 176; Gaz. vol. 136; p. 134.
- Puddington, A. W., Cleveland, Ohio, assignor to R. Rennie, Toronto, Canada. Smoke-preventing furnace. No. 891,635; June 23; Sp. p. 1981; Dr. p. 1074; Gaz. vol. 134; p. 1945.
- Puddington, A. W., Cleveland, Ohio, assignor to R. Rennie, Toronto, Canada. Smoke-preventing furnace. No. 896,411; Aug. 18; Sp. p. 3254; Dr. p. 697; Gaz. vol. 135; p. 1474.
- Puddington, T. E., Hampden, Me. Carbureter. No. 886,403; May 5; Sp. p. 123; Dr. pp. 23-4; Gaz. vol. 134; p. 26.
- Puddington, T. E., Hampden Corner, Me. Carbureter. No. 887,017; May 5; Sp. p. 1348; Dr. p. 286; Gaz. vol. 134; p. 224.
- Puder, H., Bonn, Germany. Floor-plane. No. 896,152; Aug. 18; Sp. p. 2719; Dr. p. 587; Gaz. vol. 135; p. 1389.
- Puerner, O. F. W., Green Bay, Wis. Safety device for lamps. No. 895,789; Aug. 11; Sp. p. 2042; Dr. p. 434; Gaz. vol. 135; p. 1252.
- Puffer, G. (See Holmes and Puffer.)
- Pugh, B. H., Topeka, Kans. Potato-planter. No. 891,370; June 23; Sp. p. 4433; Dr. p. 964; Gaz. vol. 134; p. 1857.
- Pugh, B. H., Topeka, Kans. Potato-harvester. No. 905,921; Dec. 8; Sp. p. 1601; Gaz. vol. 137; p. 1276.
- Pugh, J. H., New York, N. Y. Tile. No. 888,530; May 26; Sp. p. 4399; Dr. pp. 932-3; Gaz. vol. 134; p. 808.
- Pugh, J. V., Allesley, England. Wheel for motor-vehicles. No. 903,608; Nov. 10; Sp. p. 2156; Gaz. vol. 137; p. 383.
- Pugh, J. V., Coventry, England. Spoke for wire-spoked wheels. No. 907,282; Dec. 22; Sp. p. 4218; Gaz. vol. 137; p. 1776.
- Pugh, M. E., Chicago, Ill. Excavating, stripping, and conveying mechanism. No. 895,586; Aug. 11; Sp. p. 1621; Dr. pp. 341-3; Gaz. vol. 135; p. 1186.
- Pugh, S. C., Nottingham township, Harrison county, Ohio. Nut-lock. No. 900,202; Oct. 6; Sp. p. 274; Dr. p. 55; Gaz. vol. 136; p. 1117.
- Pugh, W., Streator, Ill. Shingle-molding machine. No. 900,778; Oct. 13; Sp. p. 1507; Dr. p. 306; Gaz. vol. 136; p. 1331.
- Pugh, W. A., Dadeville, Mo. Clothes-pin. No. 886,245; Apr. 28; Sp. p. 5272; Dr. p. 1110; Gaz. vol. 133; p. 2119.
- Pullen, E. P., Hackensack, N. J., assignor to C. W. Aiken, West New Brighton, N. Y. Soap-partitioning table. No. 894,461; July 28; Sp. p. 4363; Dr. p. 900; Gaz. vol. 135; p. 765.
- Pulliam, F. B. (See Bowlds, J. F., assignor.)
- Pulliam, O. S., Pittsburg, Pa. Car-wheel. No. 899,680; Sept. 29; Sp. p. 4825; Dr. p. 1033; Gaz. vol. 136; p. 914.
- Pulliam, O. S., assignor to Pittsburgh Equipment Company, Pittsburg, Pa. Car-bolster. No. 886,069; Apr. 28; Sp. p. 4955; Dr. p. 1041; Gaz. vol. 133; p. 2063.
- Pulliam, O. S., assignor to Pittsburgh Equipment Company, Pittsburg, Pa. Car-bolster. No. 886,070; Apr. 28; Sp. p. 4956; Dr. p. 1041; Gaz. vol. 133; p. 2063.
- Pulliam, O. S., assignor to Pittsburgh Equipment Company, Pittsburg, Pa. Side-frame construction. No. 886,071; Apr. 28; Sp. p. 4957; Dr. p. 1042; Gaz. vol. 133; p. 2063.
- Pulliam, O. S., assignor to Pittsburgh Equipment Company, Pittsburg, Pa. Side-frame construction. No. 897,010; Aug. 25; Sp. p. 4517; Dr. p. 966; Gaz. vol. 135; p. 1693.
- Pulliam, O. S., assignor to Pittsburgh Equipment Company, Pittsburg, Pa. Body-bolster. No. 897,011; Aug. 25; Sp. p. 4518; Dr. p. 966; Gaz. vol. 135; p. 1694.
- Pulliam, W. Z., Benton, Ill. Train-pipe coupling. No. 882,017; Mar. 17; Sp. p. 3084; Dr. p. 656; Gaz. vol. 133; p. 563.
- Pullins, D. C., Conway, assignor of one-half to J. C. and D. M. Chenault, Richmond, Ky. Baggage-check. No. 897,146; Aug. 25; Sp. p. 4786; Dr. p. 1019; Gaz. vol. 135; p. 1739.
- Pullman Company. (See Dodds, E. I., assignor.)
- Pulsifer, H. D. (See Hopkins, M. K., assignor.)
- Pum, G., Vienna, Austria-Hungary. Self-propelled air-ship. No. 906,559; Dec. 15; Sp. p. 2796; Gaz. vol. 137; p. 1507.
- Pummerer, R., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Red dye and making same. No. 876,839; Jan. 14; Sp. p. 2330; Gaz. vol. 132; p. 412.
- Punches, B. W., Toledo, Ohio. Gun. No. 894,530; July 28; Sp. p. 4488; Dr. p. 930; Gaz. vol. 135; p. 786.
- Punches, B. W., Toledo, Ohio. Gun. No. 894,531; July 28; Sp. p. 4491; Dr. pp. 930-1; Gaz. vol. 135; p. 786.
- Punnett, M. B. (See Barnes and Punnett.)
- Purcell, B. W. (See Purcell, R. W. and B. W.)
- Purcell, N. F., Chicago, Ill. Extension clothing-carrier. No. 894,231; July 28; Sp. p. 3873; Dr. p. 802; Gaz. vol. 135; p. 688.
- Purcell, R. W. and B. W., Dawn, Mo. Hog-trap. No. 899,901; Sept. 29; Sp. p. 5290; Dr. p. 1131; Gaz. vol. 136; p. 989.
- Purcell, W. F. (See Smith and Purcell.)
- Purdy, C. M., et al. (See Collins, J. B., assignor.)
- Purdy, E. A., Amboy, Ill. Socket for use in concrete work. No. 899,185; Sept. 22; Sp. p. 3844; Dr. p. 822; Gaz. vol. 136; p. 720.
- Purdy, F., Chicago, Ill. Time-stamp. No. 882,165; Mar. 17; Sp. p. 3370; Dr. p. 718; Gaz. vol. 133; p. 610.
- Purdy, F., Chicago, Ill. Automatic time-stamp. No. 882,166; Mar. 17; Sp. p. 3376; Dr. p. 718; Gaz. vol. 133; p. 610.
- Purdy, F., Chicago, Ill. Time-stamp. No. 901,469; Oct. 20; Sp. p. 2942; Dr. p. 601; Gaz. vol. 136; p. 1594.
- Pure White Turpentine Company. (See Gardner, J. G., assignor.)
- Purinton, F. G., Beverly, assignor of one-half to P. R. Glass, Boston, Mass. Liquid micrometer-indicator. No. 904,277; Nov. 17; Sp. p. 3567; Gaz. vol. 137; p. 638.
- Purnell, K. H., Rosedale, Miss. Cotton separator and cleaner. No. 896,065; Aug. 11; Sp. p. 2573; Dr. pp. 556-7; Gaz. vol. 135; p. 1341.
- Purnell, R. H., Rosedale, Miss. Cotton chopper and cultivator. No. 903,001; Nov. 3; Sp. p. 948; Gaz. vol. 137; p. 157.
- Purple, T. H., Constantine, Mich. Curtain-stretcher. No. 897,398; Sept. 1; Sp. p. 325; Dr. p. 69; Gaz. vol. 136; p. 50.
- Pursch, R., Bellevue, Pa. Metal window-frame. No. 903,771; Nov. 10; Sp. p. 2463; Gaz. vol. 137; p. 432.

Alphabetical list of patentees—Continued.

- Purse, H. J., *et al.* (See Ericsson, A. N., assignor.)
Pursell, L. H. (See Bradbury, H. P., assignor.)
Purser, J. E., Windsor, Ontario, Canada, assignor to J. Morehead, Detroit, Mich. Condensed water and steam separator. No. 883,825; Apr. 7; Sp. p. 306; Dr. pp. 57-8; Gaz. vol. 133; p. 1241.
Purser, J. E., Windsor, Ontario, Canada, assignor to J. Morehead, Detroit, Mich. Separator. No. 883,826; Apr. 7; Sp. p. 311; Dr. p. 58; Gaz. vol. 133; p. 1241.
Pursley, J. M. (See Hembree, E. M., assignor.)
Purtle, A. D., and I. E. Rowland, Salem, W. Va. Apparatus for producing carbon-black. No. 877,596; Jan. 28; Sp. p. 3930; Dr. p. 850; Gaz. vol. 132; p. 725.
Purves, T. F., Wandsworth, and J. Sinnott, East Finchley, London, England. Insulator. No. 898,921; Sept. 15; Sp. p. 3335; Dr. p. 715; Gaz. vol. 136; p. 606.
Purviance, N. M., Spokane, Wash. Wall-paper machine. No. 894,343; July 28; Sp. p. 4115; Dr. p. 850; Gaz. vol. 135; p. 725.
Purviance, N. M., Spokane, Wash. Magazine tack-hammer. No. 897,399; Sept. 1; Sp. p. 327; Dr. p. 69; Gaz. vol. 136; p. 50.
Purvis, J. O., Baltimore, Md. Turbine. No. 896,757; Aug. 25; Sp. p. 3943; Dr. p. 850; Gaz. vol. 135; p. 1608.
Purvis, T., North Birmingham, Ala. Self-heating sad-iron. No. 898,922; Sept. 15; Sp. p. 3337; Dr. pp. 715-16; Gaz. vol. 136; p. 607.
Pusey, T. M., Kennett Square, Pa. Electric regulator. No. 897,147; Aug. 25; Sp. p. 4787; Dr. p. 1019; Gaz. vol. 135; p. 1740.
Pusheck, C. A., assignor to Dr. C. Pusheck Company, Chicago, Ill. Protective device against the spread of fires. No. 895,680; Aug. 11; Sp. p. 1805; Dr. p. 384; Gaz. vol. 135; p. 1217.
Pusheck, C. A., assignor to Dr. C. Pusheck Company, Chicago, Ill. Protective device against the spread of fire. No. 903,228; Nov. 10; Sp. p. 1393; Gaz. vol. 137; p. 258.
Putnam, G. H. (See Murphy and Putnam.)
Putnam, J. D. (See Kent, L. U., assignor.)
Putnam, J. P., Boston, Mass. Sewer-gas trap. No. 898,136; Sept. 8; Sp. p. 1850; Dr. p. 394; Gaz. vol. 136; p. 322.
Putnam, M. V., New Orleans, La. Spoon. No. 896,043; Aug. 11; Sp. p. 2531; Dr. p. 548; Gaz. vol. 135; p. 1334.
Putnam, S. W., 3d. (See Deems, C. M., assignor.)
Putney, A. N., Palmyra, assignor of three-fourths to I. M. Ludington, Rochester, W. L. Knapp and E. C. North, Palmyra, N. Y. Dumping-wagon. No. 901,260; Oct. 13; Sp. p. 2447; Dr. p. 502; Gaz. vol. 136; p. 1486.
Putney, F. L., Sunshine, Wyo. Gun-sight. No. 893,751; July 21; Sp. p. 2873; Dr. p. 590; Gaz. vol. 135; p. 510.
Putney, H. S., Sandusky, Mich. Pipe-coupling. No. 877,368; Jan. 21; Sp. p. 3454; Dr. p. 749; Gaz. vol. 132; p. 630.
Putney, L. D., Peoria, Ill. Spring-trip for cultivators. No. 895,587; Aug. 11; Sp. p. 1627; Dr. p. 343; Gaz. vol. 135; p. 1186.
Putsch, F. W., Salina, Kans. Boiler tube or flue cutter. No. 890,795; June 16; Sp. p. 3267; Dr. p. 716; Gaz. vol. 134; p. 1639.
Pye, J. (See Knips, E., assignor.)
Pyers, J. C., Carnegie, Pa. Ink-veel. No. 886,859; May 5; Sp. p. 1054; Dr. p. 221; Gaz. vol. 134; p. 173.
Pyle, D. S., *et al.* (See Williams, D., assignor.)
Pyle, G. W., Geneva, Ind. Fence-post. No. 883,913; Apr. 7; Sp. p. 491; Dr. p. 97; Gaz. vol. 133; p. 1271.
Pyle, J. T., Amarillo, Tex. Sheet-piling. No. 876,306; Jan. 7; Sp. p. 1227; Dr. pp. 267-8; Gaz. vol. 132; p. 205.
Pyleck, F., Cleveland, Ohio. Automatic fire-escape. No. 908,034; Dec. 29; Sp. p. 5792; Gaz. vol. 137; p. 2053.
Pym, C. F., Essex, Ontario, Canada, assignor of one-half to Krentler Brothers Company, Detroit, Mich. Lasting-machine. No. 880,401; Feb. 25; Sp. p. 5172; Dr. p. 1091; Gaz. vol. 132; p. 1776.
Pym, C. F., Essex, Ontario, Canada, assignor of one-half to Krentler Brothers Company, Detroit, Mich. Heel-seat laster. No. 881,441; Mar. 10; Sp. p. 1890; Dr. pp. 411-12; Gaz. vol. 133; p. 346.
Pym, C. F., Essex, Ontario, Canada, assignor of one-half to Krentler Brothers Company, Detroit, Mich. Tack pulling and driving machine for lasted boots and shoes. No. 893,871; July 21; Sp. p. 3118; Dr. p. 640; Gaz. vol. 135; p. 548.
Pym, C. F., Essex, Ontario, Canada, assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Hinged last. No. 888,261; May 19; Sp. p. 3855; Dr. p. 810; Gaz. vol. 134; p. 690.
Pym, C. F., Essex, Ontario, Canada, assignor to Krentler-Brothers Company, Detroit, Mich. Lasting-machine. No. 907,524; Dec. 22; Sp. p. 4687; Gaz. vol. 137; p. 1856.
Pym, C. F., assignor of one-half to Krentler Brothers Company, Detroit, Mich. Lasting-machine. No. 882,018; Mar. 17; Sp. p. 3085; Dr. pp. 656-8; Gaz. vol. 133; p. 563.
Pym, C. F., Windsor, Ontario, Canada, assignor of one-half to Krentler Brothers Company, Detroit, Mich. Tack-machine for operating on lasted shoes. No. 892,888; July 7; Sp. p. 998; Dr. pp. 209-10; Gaz. vol. 135; p. 166.
Pyott, L. T., assignor to J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 905,190; Nov. 24; Sp. p. 5277; Gaz. vol. 137; p. 940.
Pyper, J. S., Keeseville, N. Y. Feeding device for nail-machines. No. 896,573; Aug. 18; Sp. p. 3570; Dr. pp. 767-8; Gaz. vol. 135; p. 1527.
Pyrene Company. (See Wilbur, P. L., assignor.)
Q. & H. Company. (See Hopkins, J. M., assignor.)
Quackenboss, L. G., Chicago, Ill. Adjustable flower-box. No. 876,235; Jan. 7; Sp. p. 1066; Dr. p. 231; Gaz. vol. 132; p. 181.
Quackenboss, L. G., Chicago, Ill. Window-box support. No. 880,694; Mar. 3; Sp. p. 398; Dr. p. 86; Gaz. vol. 133; p. 71.
Quackenboss, L. G., and B. J. Farrell, Chicago, Ill. Culinary utensil. No. 901,952; Oct. 13; Sp. p. 1884; Dr. p. 384; Gaz. vol. 136; p. 1388.
Quackenbush, P. H., Herkimer, N. Y. Nut-cracker. No. 896,044; Aug. 11; Sp. p. 2531; Dr. p. 548; Gaz. vol. 135; p. 1335.
Quain, J. R., assignor of one-half to E. Applegarth, London, England. Apparatus for the production of ozone. No. 898,506; Sept. 15; Sp. p. 2553; Dr. p. 547; Gaz. vol. 136; p. 472.
Quaintance, E. E., assignor to Permutation Lock and Novelty Company, Denver, Colo. Permutation-lock. No. 891,439; June 23; Sp. p. 4567; Dr. pp. 993-4; Gaz. vol. 134; p. 1880.
Quaintance, E. E., assignor to Permutation Lock and Novelty Manufacturing Company, Denver, Colo. Amusement apparatus. No. 894,984; Aug. 4; Sp. p. 423; Dr. pp. 86-7; Gaz. vol. 135; p. 963.
Quaintance, E. E., assignor to Permutation Lock and Novelty Manufacturing Company, Denver, Colo. Adjustable shade-roller bracket. No. 897,305; Sept. 1; Sp. p. 66; Dr. p. 17; Gaz. vol. 136; p. 15.
Quaintance, I. E., Bucyrus, Ohio. Machine for spreading manure. No. 896,462; Aug. 18; Sp. p. 3352; Dr. pp. 721-2; Gaz. vol. 135; p. 1491.
Qualey, O. A., Elsbort township, Murray county, Minn. Animal-poke. No. 905,227; Dec. 1; Sp. p. 216; Gaz. vol. 137; p. 1019.
Qualley, T. J., Decorah, Iowa. Loader. No. 885,952; Apr. 28; Sp. p. 4718; Dr. pp. 991-2; Gaz. vol. 133; p. 2026.
Quanonne, G., Houdeng-Goegnies, Belgium. Protecting propelling-gear and other apparatus on shipboard from air used for facilitating the propulsion. No. 904,992; Nov. 24; Sp. p. 5065; Gaz. vol. 137; p. 903.
Quayle, R. (See Otto, O., assignor.)
Quentell, A. R. (See Quentell, W. P., assignor.)
Quentell, W. P., New York, N. Y. Printing-press. No. 901,186; Oct. 13; Sp. p. 2307; Dr. pp. 472-3; Gaz. vol. 136; p. 1463.
Quentell, W. P., New York, N. Y., assignor to A. R. Quentell, Stamford, Conn. Calculating or adding machine. No. 881,717; Mar. 10; Sp. p. 2444; Dr. p. 526; Gaz. vol. 133; p. 435.
Quentell, W. P., New York, N. Y., assignor to A. R. Quentell, Stamford, Conn. Calculating-machine. No. 888,262; May 19; Sp. p. 3857; Dr. pp. 810-11; Gaz. vol. 134; p. 691.
Quentell, W. P., assignor to A. R. Quentell, Stamford, Conn. Calculating-machine. No. 881,868; Mar. 10; Sp. p. 2743; Dr. p. 588; Gaz. vol. 133; p. 485.
Quesnell, C. (See Anderson and Quesnell.)
Quick, D. E., and S. A. Armstrong, Anadarka, Okla. Shoulder-brace. No. 903,403; Nov. 10; Sp. p. 1720; Gaz. vol. 137; p. 314.
Quick Work Stove Company. (See Kitzsteiner, F., assignor.)
Quigley, E. J., Newark, N. J. Shirt. No. 881,261; Mar. 10; Sp. p. 1534; Dr. p. 330; Gaz. vol. 133; p. 289.
Quigley, N., Dawson, Yukon, Canada. Sluice-box. No. 893,368; July 14; Sp. p. 1964; Dr. p. 412; Gaz. vol. 135; p. 353.
Quigley, W. D. (See Gay and Quigley.)
Quin, C. W., and M. E. Massey, St. Louis, Mo. Skate. No. 906,929; Dec. 15; Sp. p. 3507; Gaz. vol. 137; p. 1625.
Quin, J. M., Utica, assignor to Daniel Green Felt Shoe Company, Dolgeville, N. Y. Shoe. No. 886,860; May 5; Sp. p. 1055; Dr. p. 222; Gaz. vol. 134; p. 173.
Quincy, Manchester, Sargent Company. (See Packer, E. R., assignor.)
Quine, R. H., Manchester, England. Bath and stand for the same. No. 900,586; Oct. 6; Sp. p. 1100; Dr. pp. 225-6; Gaz. vol. 136; p. 1242.
Quinker, E. E., Valdosta, Ga. Turpentine-still. No. 900,203; Oct. 6; Sp. p. 276; Dr. p. 55; Gaz. vol. 136; p. 1117.
Quinlan, A. E. (See Deeley and Quinlan.)
Quinlan, T. H. (See Hughes, Quinlan, and Middleton.)
Quinn, J. H., Brooklyn, N. Y. Non-refillable bottle. No. 893,651; July 21; Sp. p. 2595; Dr. p. 541; Gaz. vol. 135; p. 476.
Quinn, J. N., Cincinnati, Ohio. Railway-switch-throwing mechanism. No. 887,226; May 12; Sp. p. 1774; Dr. p. 373; Gaz. vol. 134; p. 319.
Quinn, M. J., assignor to Cluff Brothers, Toronto, Ontario, Canada. Piston-packing. No. 902,168; Oct. 27; Sp. p. 4389; Dr. p. 888; Gaz. vol. 136; p. 1850.
Quinn, M. V., Seattle, Wash. Device for supporting umbrellas, canes, and the like. No. 877,453; Jan. 21; Sp. p. 3616; Dr. p. 783; Gaz. vol. 132; p. 657.

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- Quinsey, M. J., Hesperia, Mich. Bean-puller. No. 888,927; May 26; Sp. p. 5258; Dr. p. 1115; Gaz. vol. 134; p. 941.
 Quint, E. M., Concord, N. H. Safety-razor. No. 882,963; Mar. 24; Sp. p. 4925; Dr. p. 1045; Gaz. vol. 133; p. 905.
 Quirk, T. J., Boston, Mass. Rotary engine. No. 888,033; May 19; Sp. p. 3437; Dr. pp. 721-2; Gaz. vol. 134; p. 617.
 R. Neumann Hardware Co. (See Clark, J. P., assignor.)
 R. Neumann Hardware Co. (See Kuhsiek, A. J. H., assignor.)
 R. Neumann Hardware Co. (See Lau and Melzer, assignors.)
 R. Neumann Hardware Co. (See Salviola, C. J., assignor.)
 R. Neumann Hardware Company. (See Kitchell, J. F., assignor.)
 R. Thomas and Sons Company. (See Kenney, B. D., assignor.)
 R. Thomas and Sons Company. (See Thomas, G. W., assignor.)
 R. E. Dietz Company. (See Betts, C. L., assignor.)
 R. E. Dietz Company. (See Everett and Schindewolf, assignors.)
 R. E. Dietz Company. (See Schindewolf, F., assignor.)
 R. E. Dietz Company. (See Wright, F. K., assignor.)
 R. K. Le Blond Machine Tool Company. (See Le Blond and Groene, assignors.)
 R-W Speed Variator Co. (See Reenstierna, G. L., assignor.)
 Raab, W., assignor to T. Cascaden, Jr., Waterloo, Iowa. Machine for forming building-blocks. No. 886,404; May 5; Sp. p. 125; Dr. pp. 24-6; Gaz. vol. 134; p. 26.
 Raban, J. B., Louisville, Ky. Horseshoe. No. 883,914; Apr. 7; Sp. p. 492; Dr. p. 97; Gaz. vol. 133; p. 1271.
 Rabb, G. C., *et al.* (See Holder, W. J., assignor.)
 Rabbe, W. H., E. W. Harden, and M. E. Dempsey, Hamilton, Ohio. Railway-frog. No. 900,422; Oct. 6; Sp. p. 732; Dr. p. 153; Gaz. vol. 136; p. 1189.
 Rabbidge, P., Neutral Bay, near Sydney, New South Wales, Australia. Inductor electric generator. No. 883,346; Mar. 31; Sp. p. 5684; Dr. p. 1214; Gaz. vol. 133; p. 1059.
 Rabe, J. H., St. Louis, Mo. Whiffletree-hook. No. 885,518; Apr. 21; Sp. p. 3774; Dr. p. 794; Gaz. vol. 133; p. 1853.
 Rabedew, J. N., and E. A. Vernal, Minturn, Colo. Wire bed-bottom and frame. No. 899,681; Sept. 29; Sp. p. 4826; Dr. p. 1033; Gaz. vol. 136; p. 915.
 Rabenhorst, O. (See Liedke and Rabenhorst.)
 Rabich, W., assignor to Franklin Manufacturing Company, St. Louis, Mo. Folding furniture. No. 886,072; Apr. 28; Sp. p. 4958; Dr. p. 1042; Gaz. vol. 133; p. 2063.
 Rabideau, E. J., Inglewood, Wash. Tumbler-washer. No. 884,992; Apr. 14; Sp. p. 2701; Dr. pp. 572-3; Gaz. vol. 133; p. 1649.
 Rabiner, L., Brooklyn, N. Y. Head-gear. No. 890,095; June 9; Sp. p. 1799; Dr. p. 398; Gaz. vol. 134; p. 1377.
 Rabinowitsch, L. A., Vienna, Austria-Hungary. Scoring or counting apparatus. No. 891,732; June 23; Sp. p. 5175; Dr. p. 1117; Gaz. vol. 134; p. 1976.
 Rabone, H. J., Birmingham, England. Flexible steel or metal measuring-tape. No. 881,826; Mar. 10; Sp. p. 2648; Dr. p. 568; Gaz. vol. 133; p. 471.
 Rabsilber, W., New York, N. Y. Internal-combustion engine. No. 899,186; Sept. 22; Sp. p. 3845; Dr. pp. 822-3; Gaz. vol. 136; p. 720.
 Raby, E. M., Berkley, Va. Peanut-sheller. No. 899,433; Sept. 22; Sp. p. 4305; Dr. p. 924; Gaz. vol. 136; p. 798.
 Rachal, W. R., Lake Charles, La. Truck. No. 908,327; Dec. 29; Sp. p. 6412; Gaz. vol. 137; p. 2153.
 Rachmann, H., Haida, Austria-Hungary. Atomizer for scent and other sprays. No. 904,149; Nov. 17; Sp. p. 3279; Gaz. vol. 137; p. 594.
 Racine Metal Stamping Company. (See Falkenrath, A., assignor.)
 Racine Paper Goods Company. (See Parmenter, O. L., assignor.)
 Racine-Sattley Company. (See Weaver, I. A., assignor.)
 Rackley, J. C., Robert Lee, Tex. Weight-motor. No. 882,583; Mar. 24; Sp. p. 4157; Dr. p. 882; Gaz. vol. 133; p. 779.
 Racklyeft, G. S., Buffalo, assignor of one-half to C. W. House, Holland, N. Y. Marble-shooter. No. 908,328; Dec. 29; Sp. p. 6413; Gaz. vol. 137; p. 2153.
 Racoullat, F. L., and T. P. Reid, assignors of one-sixth to F. Shula, San Francisco, Cal. Measuring device. No. 875,948; Jan. 7; Sp. p. 496; Dr. p. 107; Gaz. vol. 132; p. 90.
 Radcliffe, C. R., New York, N. Y., assignor to International Patent Corporation, Jersey City, N. J. Internal-combustion engine. No. 884,833; Apr. 14; Sp. p. 2444; Dr. pp. 513-14; Gaz. vol. 133; p. 1608.
 Radcliffe, C. R., New York, N. Y., assignor to International Patent Corporation, Jersey City, N. J. Internal-combustion engine. No. 895,194; Aug. 4; Sp. p. 836; Dr. p. 176; Gaz. vol. 135; p. 1033.
 Radcliffe, F. A., Cleveland, Ohio. Sewer-trap. No. 886,405; May 5; Sp. p. 133; Dr. p. 26; Gaz. vol. 134; p. 27.
 Rademaekers, W. H., Newark, N. J. Bookbinding. No. 886,726; May 5; Sp. p. 799; Dr. pp. 164-5; Gaz. vol. 134; p. 133.
 Rademaker, B. F. (See Rademaker, J. T. and B. F.)
 Rademaker, J. T. and B. F., Cleveland, Ohio. Folding-crib attachment for beds. No. 902,684; Nov. 3; Sp. p. 296; Gaz. vol. 137; p. 51.
 Rader, C. A., El Paso, Tex. Carburetor. No. 888,263; May 19; Sp. p. 3861; Dr. p. 812; Gaz. vol. 134; p. 691.
 Rader, G., Montclair, N. J. Molding-table for making plaster-boards. No. 884,953; Apr. 14; Sp. p. 2625; Dr. p. 554; Gaz. vol. 133; p. 1637.
 Rader, G., Montclair, N. J. Plaster or composition board. No. 884,954; Apr. 14; Sp. p. 2628; Dr. p. 555; Gaz. vol. 133; p. 1638.
 Rader, G., Montclair, N. J., assignor of one-half to A. A. Edelman, Brooklyn, N. Y. Plaster or composition board. No. 891,440; June 23; Sp. p. 4570; Dr. p. 994; Gaz. vol. 134; p. 1881.
 Rader, L. M., Upper Montclair, N. J. Plaster-board. No. 907,876; Dec. 29; Sp. p. 5444; Gaz. vol. 137; p. 2002.
 Rader, L. M., Upper Montclair, N. J. Machine for plaster-boards. No. 907,877; Dec. 29; Sp. p. 5445; Gaz. vol. 137; p. 2002.
 Radermacher, J. L., New York, N. Y. Edge-supporting furniture and bed spring. No. 902,604; Nov. 3; Sp. p. 151; Gaz. vol. 137; p. 25.
 Radford, H. R., Detroit, assignor to Detroit Coin Wrapper Company, Wayne county, Mich. Machine for making wrappers for coins. No. 897,012; Aug. 25; Sp. p. 4519; Dr. pp. 966-7; Gaz. vol. 135; p. 1694.
 Radiogen Gesellschaft mit beschränkter Haftung, Firm of. (See Loewenthal and Luer, assignors.)
 Radler, F. J., Jersey City, N. J. Hose-nozzle. No. 906,287; Dec. 8; Sp. p. 2298; Gaz. vol. 137; p. 1395.
 Radloff, F. (See Kormil and Radloff.)
 Radoli, C. W., Chicago, Ill. Clothes-line holder. No. 883,668; Mar. 31; Sp. p. 6366; Dr. p. 1357; Gaz. vol. 133; p. 1161.
 Radtke, A. A. (See Schildhauer and Radtke.)
 Radtke, G., Chicago, Ill. Combined wrench and pipe-cutter. No. 893,369; July 14; Sp. p. 1965; Dr. p. 412; Gaz. vol. 135; p. 354.
 Radtke, R., Suhl, Germany. Safety device for occupants of vehicles. No. 894,052; July 21; Sp. p. 3508; Dr. p. 718; Gaz. vol. 135; p. 610.
 Radu, J. W., assignor of one-half to P. C. Wild, Rochester, N. Y. Portable tire-inflator. No. 877,861; Jan. 28; Sp. p. 4414; Dr. p. 961; Gaz. vol. 132; p. 809.
 Raff, A. R., *et al.* (See Rau, J. H., assignor.)
 Rafoth, F., Charlottenburg, assignor to E. Brinckmeyer, Berlin, Germany. Automatic selling apparatus. No. 902,908; Nov. 3; Sp. p. 764; Gaz. vol. 137; p. 126.
 Ragaller, P. P., Avella, Pa. Rail-joint. No. 901,739; Oct. 20; Sp. p. 3528; Dr. p. 713; Gaz. vol. 136; p. 1683.
 Ragan, O. P., Ridgeway, Mo. Electrical attachment for clocks. No. 885,953; Apr. 28; Sp. p. 4720; Dr. p. 992; Gaz. vol. 133; p. 2026.
 Ragsdale, C. E., *et al.* (See Mobley, H. E., assignor.)
 Ragsdale, C. E., Trafalgar, Ind. Quick-acting wrench. No. 902,000; Oct. 27; Sp. p. 4059; Dr. p. 823; Gaz. vol. 136; p. 1797.
 Ragsdale, W. C., assignor of one-half to C. F. Moore, Oklahoma, Okla. Cotton-bale tie. No. 888,351; May 19; Sp. p. 4035; Dr. p. 851; Gaz. vol. 134; p. 719.
 Rahm, F., Louisville, Ky. Chuck. No. 896,663; Aug. 18; Sp. p. 3729; Dr. p. 803; Gaz. vol. 135; p. 1554.
 Rahm, R. C., assignor to Textile Machine Works, Wyomissing, Pa. Braid. No. 896,320; Aug. 18; Sp. p. 3067; Dr. p. 661; Gaz. vol. 135; p. 1445.
 Rahm, R. C., assignor to Textile Machine Works, Wyomissing, Pa. Braiding-machine. No. 896,412; Aug. 18; Sp. p. 3257; Dr. p. 698; Gaz. vol. 135; p. 1474.
 Rahn, J. C. W., Utica, N. Y. Garment. No. 890,708; June 16; Sp. p. 3077; Dr. p. 676; Gaz. vol. 134; p. 1609.
 Raiche, A., Quincy, assignor to Marshall Electric Manufacturing Company, Boston, Mass. Screw-driving device. No. 892,305; June 30; Sp. p. 6314; Dr. p. 1360; Gaz. vol. 134; p. 2198.
 Raiford, A. T., New York, N. Y. Wrench. No. 898,990; Sept. 15; Sp. p. 3457; Dr. p. 741; Gaz. vol. 136; p. 628.
 Raiford, J. A., Columbus, Ga. Plow-stock. No. 881,340; Mar. 10; Sp. p. 1686; Dr. p. 363; Gaz. vol. 133; p. 314.
 Raiford, J. A., Columbus, Ga. Plow-fender. No. 881,341; Mar. 10; Sp. p. 1687; Dr. p. 364; Gaz. vol. 133; p. 314.
 Rail Joint Company. (See Allen, J. H., assignor.)
 Rail Joint Company. (See Braine, B. G., assignor.)
 Rail Joint Company. (See Braine, L. F., assignor.)
 Rail Joint Company. (See Dalton, P. J., assignor.)
 Rail Joint Company. (See Kohn, K., assignor.)
 Rail Joint Company. (See Wolhaupter, B., assignor.)
 Railroad Supply Company. (See Bell, E. H., assignor.)

Alphabetical list of patentees—Continued.

- Railroad Supply Company. (See Vogel, E. W., assignor.)
 Railroad Weed Burner Company. (See Howard, C. H., assignor.)
 Railroad Weed Burner Company. (See McKeen and Barks, assignors.)
 Railway Journal Lubricator Company. (See Smith, J. G., assignor.)
 Railway & Stationary Refrigerating Company. (See Palmer, C. C., assignor.)
 Railway Telegraph Automatic Signal Co. (See Jones, C. K., assignor.)
 Railway Utilities Company. (See Lungren, C. M., assignor.)
 Rainalter, R., St. Joseph, Mo. Motor for washing-machines, &c. No. 895,299; Aug. 4; Sp. p. 1072; Dr. pp. 224-5; Gaz. vol. 135; p. 1070.
 Raines, J. (See Terrell, N. A., assignor.)
 Rainey, J. C., Grove City, Pa. Rail-joint. No. 903,315; Nov. 10; Sp. p. 1552; Gaz. vol. 137; p. 287.
 Rainey, T. S., New Orleans, La. Closure for the necks of bottles. No. 898,261; Sept. 8; Sp. p. 2081; Dr. p. 442; Gaz. vol. 136; p. 359.
 Rains, E. I., *et al.* (See Condon, E. J., assignor.)
 Raiter, C., Breckenridge, Minn. Foot-blocking for switch-frogs, guard-rails, &c. No. 900,883; Oct. 13; Sp. p. 1734; Dr. p. 350; Gaz. vol. 136; p. 1365.
 Raith, J. A., Philadelphia, Pa. Hinge. No. 888,531; May 26; Sp. p. 4401; Dr. p. 933; Gaz. vol. 134; p. 808.
 Rakerd, J. L., Kansas City, Mo. Heel-making machine. No. 898,680; Sept. 15; Sp. p. 2904; Dr. pp. 621-2; Gaz. vol. 136; p. 528.
 Rakestraw, G. W., Hollisprings, Ga. Car-door operator. No. 884,295; Apr. 7; Sp. p. 1263; Dr. p. 267; Gaz. vol. 133; p. 1395.
 Rakestraw, L. M. (See Miller and Rakestraw.)
 Rakestraw, W. H., Bloomington, Ill. Reach-bar. No. 876,013; Jan. 7; Sp. p. 636; Dr. p. 136; Gaz. vol. 132; p. 110.
 Rakestraw, W. H., Bloomington, Ill. Vehicle-shaft. No. 876,014; Jan. 7; Sp. p. 637; Dr. p. 136; Gaz. vol. 132; p. 110.
 Rakowicz, P., Griesheim-on-the-Main, assignor to Chemische Fabrik Griesheim Electron, Frankfurt-on-the-Main, Germany. Preparing magnesium and alloys thereof for casting. No. 906,820; Dec. 15; Sp. p. 3288; Gaz. vol. 137; p. 1590.
 Rakowsky, G. A., assignor of two-thirds to V. Rakowsky and C. S. Olson, Duluth, Minn. Dumping device. No. 899,682; Sept. 29; Sp. p. 4827; Dr. pp. 1033-4; Gaz. vol. 136; p. 915.
 Rakowsky, V., *et al.* (See Rakowsky, G. A., assignor.)
 Ralph, H. H., Philadelphia, Pa. Suction gas-producing apparatus. No. 888,532; May 26; Sp. p. 4402; Dr. p. 933; Gaz. vol. 134; p. 808.
 Ralph, J. G., Aurora, Ill. Storm or screen sash fastener. No. 898,923; Sept. 15; Sp. p. 3339; Dr. p. 716; Gaz. vol. 136; p. 607.
 Ralston, H. H., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 893,370; July 14; Sp. p. 1966; Dr. p. 413; Gaz. vol. 135; p. 354.
 Ralston, J. S. (See Irwin, F. L., assignor.)
 Ralston, R. H., Denver, Colo. Voice-screen for transmitter-mouthpieces. No. 887,124; May 12; Sp. p. 1563; Dr. p. 331; Gaz. vol. 134; p. 287.
 Ralston, S. T., assignor to S. E. Darr, Alliance, Ohio. Land-roller. No. 906,930; Dec. 15; Sp. p. 3508; Gaz. vol. 137; p. 1625.
 Ralston Steel Car Company. (See Becker, A., assignor.)
 Ralston Steel Car Company. (See Irwin, F. L., assignor.)
 Ralston Steel Car Company. (See Irwin and Tesseymann, assignors.)
 Ralston, W. A., assignor to Caldwell Manufacturing Company, Rochester, N. Y. Door-check. No. 896,242; Aug. 18; Sp. p. 2896; Dr. pp. 624-5; Gaz. vol. 135; p. 1420.
 Ramage, J. T., Konowa, Okla., assignor of one-half to J. T. Mouldin, Louisville, Ky. Railway-switch-operating mechanism. No. 890,576; June 9; Sp. p. 2764; Dr. p. 611; Gaz. vol. 134; p. 1533.
 Ramaley, W. H., Ben Avon, assignor of one-half to C. E. Doell and P. M. McVay, Pittsburg, Pa. Heater. No. 901,829; Oct. 20; Sp. p. 3695; Dr. p. 750; Gaz. vol. 136; p. 1711.
 Ramapo Iron Works. (See Strong and Haring, assignors.)
 Ramassot, M. (See Busquet and Ramassot.)
 Rambacher, A., Rosenheim, Germany. Railway-track. No. 882,964; Mar. 24; Sp. p. 4925; Dr. pp. 1045-6; Gaz. vol. 133; p. 906.
 Ramboux, L., Erquelinnes, Belgium. Marble and stone saw. No. 880,822; Mar. 3; Sp. p. 676; Dr. p. 142; Gaz. vol. 133; p. 116.
 Ramirez, J. B., Warren Point, N. J. Automatic-fount ink-well, mucilage-bottle, &c. No. 897,148; Aug. 25; Sp. p. 4790; Dr. p. 1020; Gaz. vol. 135; p. 1740.
 Ramsdell, W. H., deceased, New York, N. Y.; G. H. Bruce, administrator. Metallic washtub-cover. No. 885,707; Apr. 21; Sp. p. 4180; Dr. p. 875; Gaz. vol. 133; p. 1912.
 Ramsden, J. T., Fort Dodge, Iowa. Pump. No. 893,543; July 14; Sp. p. 2351; Dr. p. 492; Gaz. vol. 135; p. 411.
 Ramsey, F. J., Buffalo, N. Y. Can-forming machine. No. 887,269; May 12; Sp. p. 1862; Dr. pp. 393-8; Gaz. vol. 134; p. 333.
 Ramsey, J. A., Beatrice, Nebr. Husker. No. 884,609; Apr. 14; Sp. p. 1907; Dr. p. 409; Gaz. vol. 133; p. 1526.
 Ramsey, J. A., Beatrice, Nebr. Husker. No. 901,830; Oct. 20; Sp. p. 3697; Dr. p. 750; Gaz. vol. 136; p. 1711.
 Ramsey, M., North Girard, Pa. Wheel-hoc. No. 878,561; Feb. 11; Sp. p. 1432; Dr. p. 292; Gaz. vol. 132; p. 1103.
 Ramsey, P. N., New York, N. Y. Dust-removing and exhaust device for automobiles. No. 887,227; May 12; Sp. p. 1777; Dr. p. 373; Gaz. vol. 134; p. 319.
 Ramsey, R. L., Ennis, Tex. Fly-trap. No. 889,635; June 2; Sp. p. 872; Dr. p. 199; Gaz. vol. 134; p. 1200.
 Ramsey, S. W., and G. W. Smith, assignors to Ramsey-Smith Company, Youngstown, Ohio. Composition for solidifying flue-dust. No. 900,587; Oct. 6; Sp. p. 1102; Gaz. vol. 136; p. 1242.
 Ramsey-Smith Company. (See Ramsey and Smith, assignors.)
 Ramsey, W. W., Chicago, Ill. Concrete-reinforcing bar. No. 881,618; Mar. 10; Sp. p. 2253; Dr. p. 489; Gaz. vol. 133; p. 406.
 Ramsey, W. W., Chicago, Ill. Metal reinforce for concrete. No. 884,341; Apr. 7; Sp. p. 1349; Dr. p. 288; Gaz. vol. 133; p. 1409.
 Ramus, C. F. W., assignor of one-half to B. H. Ring, Boston, Mass. Vaginal syringe. No. 903,107; Nov. 3; Sp. p. 1152; Gaz. vol. 137; p. 187.
 Rand, F. L., Pittsburg, N. H. Painter's hook. No. 882,965; Mar. 24; Sp. p. 4928; Dr. p. 1046; Gaz. vol. 133; p. 906.
 Rand, J. H., Newtonville, Mass. Index-guide. No. 889,332; June 2; Sp. p. 269; Dr. p. 66; Gaz. vol. 134; p. 1102.
 Rand, J. H., Newtonville, Mass. Adjustable indicator. No. 890,925; June 16; Sp. p. 3513; Dr. p. 769; Gaz. vol. 134; p. 1679.
 Rand, J. H., Newton, Mass. Tool for setting puncture-closures. No. 892,183; June 30; Sp. p. 6082; Dr. p. 1308; Gaz. vol. 134; p. 2157.
 Rand, J. H., Newton, Mass. Puncture-closer. No. 892,306; June 30; Sp. p. 6316; Dr. p. 1361; Gaz. vol. 134; p. 2198.
 Rand, McNally & Co. (See Dubois, W., assignor.)
 Rand, W. B., Boston, Mass. Caster. No. 877,948; Feb. 4; Sp. p. 104; Dr. p. 24; Gaz. vol. 132; p. 866.
 Randall, F. (See Trivett and Randall.)
 Randall-Faichney Company. (See Flanders, H. A., assignor.)
 Randall-Faichney Company. (See Wilson, J., assignor.)
 Randall, G. A., Philadelphia, Pa. Sensitized-paper holder. No. 877,454; Jan. 21; Sp. p. 3617; Dr. p. 783; Gaz. vol. 132; p. 658.
 Randall, J. A., assignor to United States Concrete Machine Co., Detroit, Mich. Cement or concrete mixer. No. 899,071; Sept. 22; Sp. p. 3612; Dr. p. 773; Gaz. vol. 136; p. 681.
 Randall, K. C., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cooling system for transformers. No. 886,246; Apr. 28; Sp. p. 5273; Dr. pp. 1110-11; Gaz. vol. 133; p. 2120.
 Randall, K. C., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical apparatus. No. 905,922; Dec. 8; Sp. p. 1603; Gaz. vol. 137; p. 1277.
 Randall, K. C., Edgewood Park, and C. B. Gibson, Wilkesburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Cooling system for electric apparatus. No. 886,073; Apr. 28; Sp. p. 4959; Dr. pp. 1042-3; Gaz. vol. 133; p. 2064.
 Randall, M. O., and A. J. Campbell, Los Angeles, Cal. Tool for holding sheets of abrading and polishing material. No. 889,717; June 2; Sp. p. 1041; Dr. p. 241; Gaz. vol. 134; p. 1226.
 Randall, T. A., Plainfield, N. J. Game apparatus. No. 886,861; May 5; Sp. p. 1057; Dr. p. 222; Gaz. vol. 134; p. 174.
 Randaxhe, J. G., Liege, Belgium. Valve. No. 878,825; Feb. 11; Sp. p. 1930; Dr. p. 405; Gaz. vol. 132; p. 1189.
 Randerson, J. P., Albany, N. Y. Packing. No. 892,620; July 7; Sp. p. 432; Dr. p. 95; Gaz. vol. 135; p. 79.
 Randle, W. G., Chester, Pa. Releasing device for boats. No. 899,072; Sept. 22; Sp. p. 3614; Dr. pp. 773-4; Gaz. vol. 136; p. 682.
 Randolph, G. B., Anniston, Ala. Land-marker. No. 898,602; Sept. 15; Sp. p. 2743; Dr. p. 586; Gaz. vol. 136; p. 502.
 Randolph, G. W., Jackson, Tenn. Combined cotton scraper and cultivator. No. 904,447; Nov. 17; Sp. p. 3915; Gaz. vol. 137; p. 694.
 Randolph, L. M., assignor to Essex Company, Newark, N. J. Third-rail insulator. No. 903,136; Dec. 29; Sp. p. 5996; Gaz. vol. 137; p. 2087.
 Randolph Paper Box Company. (See Cook, E. E., assignor.)
 Randolph, T. H., London, England. Safety-razor-stopping device. No. 895,498; Aug. 11; Sp. p. 1453; Dr. p. 305; Gaz. vol. 135; p. 1158.
 Ranev, W. D., assignor of one-half to D. Evans, Fort Worth, Tex. Toy magazine-gun. No. 883,234; Mar. 31; Sp. p. 5471; Dr. p. 1166; Gaz. vol. 133; p. 1023.
 Range, G., New York, N. Y. Cabinet. No. 884,758; Apr. 14; Sp. p. 2246; Dr. p. 473; Gaz. vol. 133; p. 1577.
 Rangnow, O., Philadelphia, Pa. Trunk-lid brace. No. 892,184; June 30; Sp. p. 6083; Dr. p. 1308; Gaz. vol. 134; p. 2157.
 Ranje, H. H., Indianapolis, Ind. Railway-tie. No. 906,067; Dec. 8; Sp. p. 1872; Gaz. vol. 137; p. 1321.
 Rank, J., Minneapolis, Minn. Grease-cup. No. 901,089; Oct. 13; Sp. p. 2047; Dr. p. 416; Gaz. vol. 136; p. 1417.
 Rankin, C. C., assignor of one-third to S. T. Crofts, Louisville, Ky. Clevis for plows. No. 882,797; Mar. 24; Sp. p. 4576; Dr. p. 976; Gaz. vol. 133; p. 849.

Alphabetical list of patentees—Continued.

- Rankin, C. C., assignor of one-third to S. T. Crofts, Louisville, Ky. Plow. No. 882,839; Mar. 24; Sp. p. 4666; Dr. p. 993; Gaz. vol. 133; p. 863.
- Rankin, C. C., assignor of one-third to S. T. Crofts, Louisville, Ky. Standard-clamp for plows. No. 891,100; June 16; Sp. p. 3866; Dr. p. 845; Gaz. vol. 134; p. 1737.
- Rankin, C. C., assignor of one-third to S. T. Crofts, Louisville, Ky. Plow. No. 891,101; June 16; Sp. p. 3867; Dr. p. 845; Gaz. vol. 134; p. 1737.
- Rankin, E., Lincoln, Ill. Crucible-furnace. No. 894,393; July 28; Sp. p. 4224; Dr. p. 871; Gaz. vol. 135; p. 742.
- Rankin, J. R., Washington, D. C. Type-case. No. 901,831; Oct. 20; Sp. p. 3698; Dr. p. 751; Gaz. vol. 136; p. 1711.
- Rankin, W. A., assignor to Allis-Chalmers Company, Milwaukee, Wis. Roasting-furnace. No. 899,561; Sept. 29; Sp. p. 4584; Dr. p. 985; Gaz. vol. 136; p. 878.
- Rankin, W. A., assignor to Allis-Chalmers Company, Milwaukee, Wis. Roasting-furnace. No. 899,562; Sept. 29; Sp. p. 4585; Dr. p. 986; Gaz. vol. 136; p. 878.
- Rankin, W. K., assignor to J. E. Reyburn, Philadelphia, Pa. Electropneumatic machine. No. 877,369; Jan. 21; Sp. p. 3455; Dr. pp. 749-50; Gaz. vol. 132; p. 630.
- Rankin, W. K., assignor to J. E. Reyburn, Philadelphia, Pa. Electric and pneumatic governor. No. 897,657; Sept. 1; Sp. p. 837; Dr. p. 177; Gaz. vol. 136; p. 134.
- Rankin, W. K., assignor to J. E. Reyburn, Philadelphia, Pa. Emergency-valve. No. 903,502; Nov. 10; Sp. p. 1935; Gaz. vol. 137; p. 348.
- Rankins, W. D., Modesto, Cal. Sash-lock. No. 901,470; Oct. 20; Sp. p. 2947; Dr. p. 601; Gaz. vol. 136; p. 1594.
- Ranney, W. D., Columbus, Ohio. Emergency cut-off valve for steam-engines. No. 883,480; Mar. 31; Sp. p. 5995; Dr. p. 1279; Gaz. vol. 133; p. 1105.
- Ransom, C. W. (See Gordon, W. L., assignor.)
- Ransom, M. D., Georgetown, S. C. Lock bottle-fastener. No. 896,938; Aug. 25; Sp. p. 4354; Dr. p. 933; Gaz. vol. 135; p. 1670.
- Ransom, W. M., Warren, assignor of one-half to F. M. Hoadley, Providence, R. I. Dam. No. 899,703; Sept. 29; Sp. p. 4860; Dr. pp. 1042-3; Gaz. vol. 136; p. 921.
- Rantz, W. R., Greenville, Ohio. Automobile-spring. No. 900,779; Oct. 13; Sp. p. 1508; Dr. pp. 306-7; Gaz. vol. 136; p. 1331.
- Ranz, J., assignor of one-half to J. F. Lang, St. Louis, Mo. Sheet-feeding mechanism. No. 899,133; Sept. 22; Sp. p. 3725; Dr. p. 798; Gaz. vol. 136; p. 703.
- Raper, J. W., Bryant, S. D. Fender for agricultural implements. No. 893,371; July 14; Sp. p. 1968; Dr. p. 413; Gaz. vol. 135; p. 354.
- Raphael, L. (See John, H. J., assignor.)
- Rapid Removable Rim Company. (See Baker, E. A., assignor.)
- Rapke, V. H., New York, N. Y. Phonograph-horn. No. 879,797; Feb. 18; Sp. p. 3903; Dr. p. 818; Gaz. vol. 132; p. 1544.
- Rapoport, A. M., New York, N. Y. Letter-box. No. 891,003; June 16; Sp. p. 3697; Dr. pp. 805-6; Gaz. vol. 134; p. 1706.
- Rapp, G. A., Fort Collins, Colo. Hay-press. No. 900,588; Oct. 6; Sp. p. 1103; Dr. pp. 226-7; Gaz. vol. 136; p. 1243.
- Rapplewe, S. B., and J. J. Devine, Philadelphia, Pa. Electric-railway system. No. 876,489; Jan. 14; Sp. p. 1625; Dr. p. 352; Gaz. vol. 132; p. 297.
- Rappold, J., Allschwil, near Basel, Switzerland. Press. No. 879,318; Feb. 18; Sp. p. 2919; Dr. p. 609; Gaz. vol. 132; p. 1388.
- Rapson, J. S., Elkins Park, Pa. Erasing device. No. 878,895; Feb. 11; Sp. p. 2100; Dr. p. 437; Gaz. vol. 132; p. 1211.
- Rapson, J. S., Elkins Park, Pa. Window-sash fastener. No. 907,525; Dec. 22; Sp. p. 4689; Gaz. vol. 137; p. 1856.
- Rapson, J. S., Jenkintown, Pa. Combination desk implement. No. 888,848; May 26; Sp. p. 5092; Dr. p. 1086; Gaz. vol. 134; p. 913.
- Rarig, J. C., Ogden, Utah. Rake. No. 886,406; May 5; Sp. p. 135; Dr. pp. 26-7; Gaz. vol. 134; p. 27.
- Rasch, W. G., Burlington, Wis. Lap-robe. No. 902,685; Nov. 3; Sp. p. 297; Gaz. vol. 137; p. 51.
- Raschick, C. T. (See Tornquist, J. E., assignor.)
- Raschig, F., Ludwigshafen-on-the-Rhine, Germany. Chemical product resembling celluloid and producing the same. No. 900,204; Oct. 6; Sp. p. 278; Gaz. vol. 136; p. 1117.
- Rash, G. H. (See James, J., assignor.)
- Rasmus, G., New York, N. Y. Electric hoist. No. 898,782; Sept. 15; Sp. p. 3084; Dr. p. 660; Gaz. vol. 136; p. 560.
- Rasmus, T., New York, N. Y. Ornamenting fur skins. No. 893,372; July 14; Sp. p. 1969; Dr. p. 414; Gaz. vol. 135; p. 354.
- Rasmussen, A., and M. Olsen, assignors to C. Bjelland & Co. and C. Middelthon, Stavanger, Norway. Receptacle-closure. No. 901,646; Oct. 20; Sp. p. 3298; Dr. p. 677; Gaz. vol. 136; p. 1650.
- Rasmussen, A. O., Stoughton, Wis. Device for inserting fats, &c., into meats. No. 889,965; June 9; Sp. p. 1534; Dr. p. 346; Gaz. vol. 134; p. 1332.
- Rasmussen, A. T., La Crosse, Wis. Molding appliance. No. 901,471; Oct. 20; Sp. p. 2949; Dr. p. 602; Gaz. vol. 136; p. 1594.
- Rasmussen, F., Huntley, assignor of one-half to F. B. Hulls, Garden Prairie, Ill. Sliding-door fastener. No. 888,117; May 19; Sp. p. 3602; Dr. p. 754; Gaz. vol. 134; p. 644.
- Rasmussen, H., Skovgaarde, Denmark. Harness for horse-training. No. 882,584; Mar. 24; Sp. p. 4159; Dr. p. 882; Gaz. vol. 133; p. 779.
- Rasmussen, H. R., Aztec, N. Mex. Ter. Pneumatic horse-collar. No. 880,756; Mar. 3; Sp. p. 543; Dr. p. 113; Gaz. vol. 133; p. 94.
- Rasmussen, L. T. (See Orndoff and Rasmussen.)
- Rasmussen, L. T., Nevada, Iowa. Cattle-stanchion. No. 876,588; Jan. 14; Sp. p. 1850; Dr. pp. 404-5; Gaz. vol. 132; p. 332.
- Rasmussen, S. P., Hanwell, England. Dedicating apparatus. No. 879,490; Feb. 18; Sp. p. 3280; Dr. p. 686; Gaz. vol. 132; p. 1444.
- Rasor, H. F., Barborton, Ohio. Joint. No. 876,490; Jan. 14; Sp. p. 1627; Dr. p. 353; Gaz. vol. 132; p. 297.
- Rassbach, H., assignor to Vilter Manufacturing Company, Milwaukee, Wis. Refrigerating apparatus. No. 894,285; July 28; Sp. p. 4001; Dr. p. 826; Gaz. vol. 135; p. 706.
- Rast, F. Q., New York, N. Y., and G. D. Schrum, assignors, by mesne assignments, to Universal Salesman Co., Detroit, Mich. Vending-machine. No. 892,683; July 7; Sp. p. 555; Dr. pp. 119-20; Gaz. vol. 135; p. 100.
- Ratcliffe, C. E., Paducah, Ky. Nut-lock. No. 900,589; Oct. 6; Sp. p. 1105; Dr. p. 227; Gaz. vol. 136; p. 1243.
- Rateau, A. C. E., Paris, France. Utilizing hot liquids for power purposes. No. 884,417; Apr. 14; Sp. p. 1508; Dr. p. 324; Gaz. vol. 133; p. 1464.
- Rateau, A. C. E., Paris, France. Steam-regenerator. No. 884,610; Apr. 14; Sp. p. 1908; Dr. p. 410; Gaz. vol. 133; p. 1526.
- Rateau, A. C. E., Paris, France, assignor to Rateau Steam Regenerator Company, Chicago, Ill. Exhaust-regenerator system. No. 891,371; June 23; Sp. p. 4434; Dr. p. 965; Gaz. vol. 134; p. 1858.
- Rateau, A. C. E., Paris, France, assignor to Rateau Turbine Company, Chicago, Ill. Automatic regulating device for fluid-pressure apparatus. No. 902,001; Oct. 27; Sp. p. 4060; Dr. p. 824; Gaz. vol. 136; p. 1797.
- Rateau Steam Regenerator Company. (See Rateau, A. C. E., assignor.)
- Rateau Turbine Company. (See Rateau, A. C. E., assignor.)
- Rathbone, A. D., Grand Rapids, Mich. Combined grate and air-heater. No. 902,002; Oct. 27; Sp. p. 4062; Dr. p. 824; Gaz. vol. 136; p. 1798.
- Rathbone, A. D., Grand Rapids, Mich. Electric fireplace. No. 902,003; Oct. 27; Sp. p. 4064; Dr. p. 824; Gaz. vol. 136; p. 1798.
- Rathbone, F. P., Red Oak, Iowa. Swing. No. 890,375; June 9; Sp. p. 2390; Dr. p. 527; Gaz. vol. 134; p. 1468.
- Rathbone, J. A., and J. T. Crossley, Utica, N. Y.; said Crossley assignor to said Rathbone. Molding-machine. No. 879,118; Feb. 11; Sp. p. 2530; Dr. p. 526; Gaz. vol. 132; p. 1280.
- Rathbone, Sard & Company. (See Gentner, C. M., assignor.)
- Rathborne, R. C., assignor to Spratt's Patent (America) Limited, Newark, N. J. Folding animal-bench. No. 902,508; Oct. 27; Sp. p. 5135; Dr. p. 1040; Gaz. vol. 136; p. 1964.
- Rathbun, E., Toledo, Ohio. Internal-combustion engine. No. 904,562; Nov. 24; Sp. p. 4175; Gaz. vol. 137; p. 760.
- Rathbun, L. V., Kansas City, Mo. Means for facilitating the adjustment of balance-weights on gyrating machines. No. 883,827; Apr. 7; Sp. p. 313; Dr. p. 59; Gaz. vol. 133; p. 1242.
- Rathgeber, I., Rock Island, Ill. Fore-masher. No. 899,841; Sept. 29; Sp. p. 5166; Dr. p. 1107; Gaz. vol. 136; p. 969.
- Ratignier, M., and H. Pervilhac, Lyon, France. Apparatus for finishing sized fabrics. No. 908,035; Dec. 29; Sp. p. 5795; Gaz. vol. 137; p. 2054.
- Ratliff, J. B., Drew, Miss. Wagon-skid holder. No. 892,621; July 7; Sp. p. 435; Dr. p. 95; Gaz. vol. 135; p. 79.
- Rattay, J., New York, N. Y. Table. No. 906,931; Dec. 15; Sp. p. 3509; Gaz. vol. 137; p. 1625.
- Ratti, P. (See Markussen, H., assignor.)
- Ratz, G. V., Pekin, Ind. Harvester-reel and actuating mechanism therefor. No. 882,715; Mar. 24; Sp. p. 4418; Dr. p. 939; Gaz. vol. 133; p. 823.
- Ratzlaff, H. T., Odessa, Wash. Folding pole. No. 906,821; Dec. 15; Sp. p. 3289; Gaz. vol. 137; p. 1590.
- Rau, J. H., assignor to A. R. Raff and O. Caden, Cincinnati, Ohio. Machine for making wall-ties. No. 904,563; Nov. 24; Sp. p. 4177; Gaz. vol. 137; p. 761.
- Rau, M. J. (See Rau, P. and M. J.)
- Rau, P. and M. J., Garden Plain, Kans. Tire-tightener. No. 904,993; Nov. 24; Sp. p. 5068; Gaz. vol. 137; p. 903.
- Raub, J. W., Philadelphia, Pa. Reversing-gear. No. 887,517; May 12; Sp. p. 2430; Dr. p. 512; Gaz. vol. 134; p. 417.
- Raub, J. W., Philadelphia, Pa. Controlling mechanism for reversing-gears. No. 887,518; May 12; Sp. p. 2432; Dr. pp. 512-13; Gaz. vol. 134; p. 418.
- Rauber, J. N. (See Shone and Rauber.)
- Rauch, F., Milwaukee, Wis. Tree-holder. No. 883,235; Mar. 31; Sp. p. 5473; Dr. p. 1166; Gaz. vol. 133; p. 1024.

Alphabetical list of patentees—Continued.

- Rauch, H. (See Frese and Rauch.)
 Rauch, L. W., Avon, S. D. Draft-equalizer. No. 879,001; Feb. 11; Sp. p. 2293; Dr. p. 478; Gaz. vol. 132; p. 1244.
 Rauh, A. G., and L. Olsen, assignors to American Die Casting Company, Indianapolis, Ind. Die-casting apparatus. No. 889,547; June 2; Sp. p. 709; Dr. pp. 163-5; Gaz. vol. 134; p. 1171.
 Rauh, L. (See Dana, W. H., assignor.)
 Raup, O. K., Racine, Wis. Exhaust-regulator. No. 899,471; Sept. 22; Sp. p. 4376; Dr. p. 939; Gaz. vol. 136; p. 810.
 Raum, W. Etna, Pa. Button. No. 884,205; Apr. 7; Sp. p. 1116; Dr. p. 234; Gaz. vol. 133; p. 1366.
 Raupach, F. W., London, England. Supporting-frame for neckties. No. 899,902; Sept. 29; Sp. p. 5292; Dr. p. 1131; Gaz. vol. 136; p. 989.
 Rausch, C. W., and F. J. Schwarz, Jr., Bridesburg, Pa. Pivot-screw for shears. No. 889,966; June 9; Sp. p. 1535; Dr. p. 346; Gaz. vol. 134; p. 1332.
 Rausch, G. A., Jr., assignor to Marysville Cabinet Company, Marysville, Ohio. Copy-holder. No. 893,593; July 14; Sp. p. 2468; Dr. p. 513; Gaz. vol. 135; p. 426.
 Rausch, G. A., Jr., assignor to Marysville Cabinet Company, Marysville, Ohio. Type-writer table and desk. No. 896,664; Aug. 18; Sp. p. 3730; Dr. p. 803; Gaz. vol. 135; p. 1554.
 Raven, M. J. (See Nixon and Raven.)
 Ravencroft, E. B., Mishawaka, Ind. Concrete-mixer. No. 907,284; Dec. 22; Sp. p. 4222; Gaz. vol. 137; p. 1777.
 Ravenskilde, P. M., Cabery, Ill. Starting means for sound-reproducing mechanism. No. 877,949; Feb. 4; Sp. p. 105; Dr. pp. 24-5; Gaz. vol. 132; p. 867.
 Rawdon, C. R., St. Louis, Mo. Envelop. No. 905,923; Dec. 8; Sp. p. 1604; Gaz. vol. 137; p. 1277.
 Rawl, W. M., Lykesland, S. C. Mail-pouch deliverer. No. 891,733; June 23; Sp. p. 5177; Dr. p. 1118; Gaz. vol. 134; p. 1977.
 Rawles, S. T., Galesburg, Ill. Brick-kiln. No. 885,954; Apr. 28; Sp. p. 4723; Dr. pp. 992-3; Gaz. vol. 133; p. 2026.
 Rawlinson, C., St. Louis, Mo. Combined truck and supporting-stand. No. 892,083; June 30; Sp. p. 5878; Dr. p. 1265; Gaz. vol. 134; p. 2123.
 Rawls, R. E., Hattiesburg, Miss. Wagon-standard. No. 893,544; July 14; Sp. p. 2353; Dr. p. 493; Gaz. vol. 135; p. 411.
 Ray, A. D., Cleveland, Ohio. Reversible cuff. No. 902,909; Nov. 3; Sp. p. 765; Gaz. vol. 137; p. 126.
 Ray, A. S., Bellefonte, Pa. Box. No. 878,896; Feb. 11; Sp. p. 2102; Dr. p. 437; Gaz. vol. 132; p. 1212.
 Ray, C. H., Fayetteville, Ark. Rail-joint. No. 877,455; Jan. 21; Sp. p. 3618; Dr. p. 783; Gaz. vol. 132; p. 658.
 Ray, F. O., assignor of one-half to A. Healy, Detroit, Mich. Sea-wall. No. 901,040; Oct. 13; Sp. p. 2049; Dr. p. 416; Gaz. vol. 136; p. 1417.
 Ray, J., Koran, La. Plow. No. 898,991; Sept. 15; Sp. p. 3458; Dr. p. 741; Gaz. vol. 136; p. 629.
 Ray, J. B., Flatereek, Tenn. Swinging gate. No. 899,472; Sept. 22; Sp. p. 4377; Dr. p. 939; Gaz. vol. 136; p. 810.
 Ray, J. L. (See Tingley and Ray.)
 Ray, J. T., Lone Oak, Tex. Oil-heater. No. 879,672; Feb. 18; Sp. p. 3672; Dr. p. 768; Gaz. vol. 132; p. 1503.
 Ray, M., Buckeye, Ky. Water-filter. No. 896,574; Aug. 18; Sp. p. 3574; Dr. pp. 768-9; Gaz. vol. 135; p. 1528.
 Ray, M. G., Perth Amboy, N. J. Fire and water proof building material. No. 885,376; Apr. 21; Sp. p. 3531; Gaz. vol. 133; p. 1810.
 Ray Piano Company. (See Norden, A., assignor.)
 Ray, R., Carrollton, Mo. Wind-actuated advertising device. No. 901,187; Oct. 13; Sp. p. 2209; Dr. p. 473; Gaz. vol. 136; p. 1463.
 Ray, T. H., Somerville, Mass. Ice-making machine. No. 876,015; Jan. 7; Sp. p. 638; Dr. pp. 136-7; Gaz. vol. 132; p. 110.
 Ray, W. M. (See Johnson and Ray.)
 Raye, E., Nevada, Iowa. Apparatus for handling drain-tile. No. 896,758; Aug. 25; Sp. p. 3947; Dr. p. 850; Gaz. vol. 135; p. 1609.
 Rayford, C. E., St. Elmo, Ala. Turpentine-hack. No. 884,854; Apr. 14; Sp. p. 2446; Dr. p. 515; Gaz. vol. 133; p. 1609.
 Raymond, A., deceased, Chicago, Ill.; M. M. Bartelme, administratrix. Centrifugal roller-mill. No. 881,262; Mar. 10; Sp. p. 1536; Dr. p. 331; Gaz. vol. 133; p. 289.
 Raymond, A., deceased, Chicago, Ill.; M. M. Bartelme, administratrix. Centrifugal mill. No. 897,400; Sept. 1; Sp. p. 329; Dr. pp. 70-1; Gaz. vol. 136; p. 50.
 Raymond, A. F., Grenoble, France, assignor to Consolidated Fastener Company. Fastener. No. 905,456; Dec. 1; Sp. p. 692; Gaz. vol. 137; p. 1095.
 Raymond, A. F., Grenoble, France, assignor to Consolidated Fastener Company. Snap-fastener. No. 905,457; Dec. 1; Sp. p. 693; Gaz. vol. 137; p. 1095.
 Raymond, A. G., Pretoria, Transvaal. Combined perpetual calendar and automatic date-indicator. No. 890,926; June 16; Sp. p. 3515; Dr. pp. 769-70; Gaz. vol. 134; p. 1680.
 Raymond, C. T., assignor of one-half to J. W. Pax, Chicago, Ill. Portable sign. No. 900,590; Oct. 6; Sp. p. 1107; Dr. p. 227; Gaz. vol. 136; p. 1243.
 Raymond, C. W., Brookston, Ind. Gate. No. 905,363; Dec. 1; Sp. p. 469; Gaz. vol. 137; p. 1052.
 Raymond Concrete Pile Company. (See Upson, M. M., assignor.)
 Raymond, D. E., assignor of one-half to G. R. Briggs, Plymouth, Mass. Cranberry-picker. No. 901,373; Oct. 20; Sp. p. 2706; Dr. p. 555; Gaz. vol. 136; p. 1560.
 Raymond, E. B., Schenectady, N. Y., assignor to General Electric Company. Generating and distributing alternating currents. No. 897,013; Aug. 25; Sp. p. 4523; Dr. p. 968; Gaz. vol. 135; p. 1695.
 Raymond, E. B., Schenectady, N. Y., assignor to General Electric Company. Means for generating and distributing alternating currents. No. 897,226; Aug. 25; Sp. p. 4952; Dr. p. 1051; Gaz. vol. 135; p. 1764.
 Raymond, F. A., and F. Detmunn, Judson, N. D. Skirt-supporter. No. 880,095; Feb. 25; Sp. p. 4552; Dr. p. 959; Gaz. vol. 132; p. 1674.
 Raymond, H., Chicago, Ill. Collapsible or folding furniture. No. 894,344; July 28; Sp. p. 4118; Dr. pp. 850-1; Gaz. vol. 135; p. 725.
 Raymond, H. K., assignor to B. F. Goodrich Company, Akron, Ohio. Valve for pneumatic tires. No. 906,158; Dec. 8; Sp. p. 2051; Gaz. vol. 137; p. 1351.
 Raymond, H. K., assignor to B. F. Goodrich Company, Akron, Ohio. Valve for pneumatic tires. No. 906,159; Dec. 8; Sp. p. 2053; Gaz. vol. 137; p. 1351.
 Raymond, J. F., Scottsbluff, Nebr. Feed-chopper. No. 880,326; Feb. 25; Sp. p. 5016; Dr. p. 1058; Gaz. vol. 132; p. 1751.
 Raymond, J. R., Bayonne, N. J. Device for attaching and detaching boats. No. 894,345; July 28; Sp. p. 4121; Dr. p. 851; Gaz. vol. 135; p. 726.
 Raymond, N. H., Trumansburg, assignor to A. C. Patterson, New York, N. Y. Floor box and receptacle. No. 905,364; Dec. 1; Sp. p. 471; Gaz. vol. 137; p. 1052.
 Raymond, R., assignor to California Glove Company, Napa, Cal. Glove. No. 905,365; Dec. 1; Sp. p. 473; Gaz. vol. 137; p. 1063.
 Raynaud, E., Brussels, Belgium. Solidifying mineral oils. No. 879,193; Feb. 18; Sp. p. 2680; Gaz. vol. 132; p. 1347.
 Rayner, H. W., Eagle Lake, Tex. Drier. No. 880,917; Mar. 3; Sp. p. 880; Dr. p. 190; Gaz. vol. 133; p. 147.
 Raynes, J. F., Hyde Park, Mass. Combined gage and circuit-closer. No. 878,423; Feb. 4; Sp. p. 1061; Dr. p. 215; Gaz. vol. 132; p. 1023.
 Raynor, R. (See Oberlies, A. W., assignor.)
 Raynor, W. M., New York, N. Y. Temporary binder. No. 892,084; June 30; Sp. p. 5879; Dr. p. 1266; Gaz. vol. 134; p. 2123.
 Reaoux, T. W., Brooklyn, N. Y. Attachment for motor-cycles. No. 891,102; June 16; Sp. p. 3868; Dr. p. 845; Gaz. vol. 134; p. 1738.
 Reach, G. A. (See Gamble, J., assignor.)
 Read, A. E. (See De France and Read.)
 Read, F. A., Lynn, assignor to Reece Button Hole Machine Company, Boston, Mass. Buttonhole-finishing machine. No. 905,101; Nov. 24; Sp. p. 5279; Gaz. vol. 137; p. 94.
 Read, H. E., Altamont, Kans. Card-rack. No. 905,578; Dec. 1; Sp. p. 943; Gaz. vol. 137; p. 1133.
 Read, H. R., Brooklyn, N. Y. Electrical connection. No. 885,864; Apr. 28; Sp. p. 4519; Dr. p. 948; Gaz. vol. 133; p. 1995.
 Read, J. L., Philadelphia, Pa. Book-cover. No. 881,718; Mar. 10; Sp. p. 2447; Dr. p. 526; Gaz. vol. 133; p. 436.
 Read, O. B., Troy, N. Y. Horse-tail holder. No. 891,861; June 30; Sp. p. 5463; Dr. p. 1180; Gaz. vol. 134; p. 2053.
 Read, R. H., Schenectady, N. Y., assignor to General Electric Company. Globe-cleaner for arc-lamps. No. 905,458; Dec. 1; Sp. p. 694; Gaz. vol. 137; p. 1096.
 Read & Sons, William. (See Ridlon, G. H., assignor.)
 Reade, C. L., Bexhill, England. Golf-ball. No. 879,981; Feb. 25; Sp. p. 4328; Dr. p. 906; Gaz. vol. 132; p. 1638.
 Reading Hardware Company. (See Adams, W. T., assignor.)
 Reading Hardware Company. (See Treat, D. G., assignor.)
 Reading Hardware Company. (See Wright, G. W., assignor.)
 Reading Saddle & Manufacturing Company. (See Deem, M. M., assignor.)
 Reading Standard Company. (See Gustafson, C. J., assignor.)
 Reading Standard Company. (See Leitenberger, F. W., assignor.)
 Reading Standard Company. (See Schaeffer, W. G., assignor.)
 Reagan Bale Company. (See Reagan, E., assignor.)
 Reagan, E., assignor, by mesne assignments, to Reagan Bale Company, San Antonio, Tex. Bale-forming apparatus. No. 877,122; Jan. 21; Sp. p. 2959; Dr. pp. 638-40; Gaz. vol. 132; p. 549.
 Reagan, E., assignor, by mesne assignments, to Reagan Bale Company, San Antonio, Tex. Roller-press. No. 900,205; Oct. 6; Sp. p. 279; Dr. pp. 55-7; Gaz. vol. 136; p. 1118.

Alphabetical list of patentees—Continued.

- Reagan, H. C., Butler, assignor of one-half to J. H. Barrett, Mars, Pa. Electric signaling system. No. 897,401; Sept. 1; Sp. p. 334; Dr. p. 71; Gaz. vol. 136; p. 51.
- Reagan, J., Philadelphia, Pa. Grate. No. 876,728; Jan. 14; Sp. p. 2131; Dr. p. 468; Gaz. vol. 132; p. 378.
- Ream, J., Osceola, Iowa. Conveying apparatus. No. 891,004; June 16; Sp. p. 3700; Dr. pp. 806-7; Gaz. vol. 134; p. 1707.
- Ream, J., Osceola, Iowa. Conveyer-chaute. No. 892,550; July 7; Sp. p. 303; Dr. p. 66; Gaz. vol. 135; p. 57.
- Ream, P. K., Hummelstown, and P. C. Boyd, Harrisburg, Pa. Railway-tie. No. 888,928; May 26; Sp. p. 5259; Dr. p. 1116; Gaz. vol. 134; p. 942.
- Reams, J. A., West Norfolk, Va., assignor to C. H. Ocumpaugh, Rochester, N. Y. Razor. (Reissue.) No. 12,882; Nov. 24; Sp. p. 5340; Gaz. vol. 137; p. 950.
- Reams, J. M., New York, N. Y. Reversible ratchet-wrench. No. 893,097; July 14; Sp. p. 1425; Dr. p. 302; Gaz. vol. 135; p. 264.
- Reardon, D. W., Portland, assignor, by mesne assignments, of three-fourths to A. E. Holmes and J. M. McNaughton, Creighton, Ore. Lifting-jack. No. 879,673; Feb. 18; Sp. p. 3673; Dr. p. 763; Gaz. vol. 132; p. 1503.
- Reaser, H., assignor to L. Reaser, Reading, Pa. Damper-regulator. No. 897,490; Sept. 1; Sp. p. 509; Dr. p. 108; Gaz. vol. 136; p. 81.
- Reaser, L. (See Reaser, H.)
- Reason, W. M., Pontiac, Mich. Coin-actuated mechanism. No. 887,048; May 5; Sp. p. 1404; Dr. p. 298; Gaz. vol. 134; p. 233.
- Rebar, J., Smithdale, Pa. Electric signal. No. 885,519; Apr. 21; Sp. p. 3775; Dr. p. 795; Gaz. vol. 133; p. 1853.
- Rebar, J., Smithdale, Pa. Fender for locomotives and street-cars. No. 897,658; Sept. 1; Sp. p. 839; Dr. p. 177; Gaz. vol. 136; p. 134.
- Reber, J. G., Chicago, Ill., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Oyster-pail. No. 886,074; Apr. 28; Sp. p. 4960; Dr. p. 1043; Gaz. vol. 133; p. 2064.
- Reber, J. G., Chicago, Ill., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Packing box or carton. No. 893,672; July 21; Sp. p. 2596; Dr. p. 541; Gaz. vol. 135; p. 476.
- Reber, J. G., Chicago, Ill., assignor to J. W. Sefton Manufacturing Company, Anderson, Ind. Folding box. No. 900,953; Oct. 13; Sp. p. 1887; Dr. p. 384; Gaz. vol. 136; p. 1389.
- Rebhun Last Company. (See Morton, C. P., assignor.)
- Rece, E. W., Chelvan, W. Va. Mail-bag catcher. No. 896,575; Aug. 18; Sp. p. 3575; Dr. p. 769; Gaz. vol. 135; p. 1528.
- Rechtenbach, G. H., Bridgewater, Iowa. Grain-screen. No. 886,247; Apr. 28; Sp. p. 5274; Dr. p. 1111; Gaz. vol. 133; p. 2120.
- Reck, A. B., Hellerup, Denmark. Movable grate. No. 886,727; May 5; Sp. p. 802; Dr. p. 165; Gaz. vol. 134; p. 134.
- Reck, A. B., Hellerup, Denmark. Cast-iron boiler. No. 905,366; Dec. 1; Sp. p. 474; Gaz. vol. 137; p. 1063.
- Reck, O. (See Short and Reck.)
- Reckard, H. L., Peekskill, N. Y. Printing process. No. 884,418; Apr. 14; Sp. p. 1511; Dr. p. 324; Gaz. vol. 133; p. 1464.
- Reckard, H. L., New York, N. Y. Photography. No. 887,845; May 19; Sp. p. 3081; Dr. p. 646; Gaz. vol. 134; p. 556.
- Reckendorfer, S. J., New York, N. Y. Lead-pencil. No. 877,370; Jan. 21; Sp. p. 3457; Dr. p. 750; Gaz. vol. 132; p. 630.
- Recklinghausen, M. von, New York, N. Y., assignor to Cooper Hewitt Electric Company. Gas or vapor electric apparatus. No. 896,243; Aug. 18; Sp. p. 2897; Dr. p. 625; Gaz. vol. 135; p. 1421.
- Reckweg, J. C., Palo Alto, Cal. Pleasure-railway. No. 880,040; Feb. 25; Sp. p. 4459; Dr. p. 936; Gaz. vol. 132; p. 1657.
- Record Electric Railway Signal Company. (See Wood, S. A., assignor.)
- Recording and Computing Machines Company. (See Ohmer, W. L., assignor.)
- Rectigraph Company. (See Beidler, G. C., assignor.) (Reissue.)
- Rector, A. (See Howard and Rector.)
- Rector, A., assignor to W. B. Hutchinson, trustee, New York, N. Y. Alcohol-lamp. No. 877,862; Jan. 28; Sp. p. 4415; Dr. pp. 961-2; Gaz. vol. 132; p. 809.
- Rector, A., assignor, by mesne assignments, to Rector Gas Lamp Company, New York, N. Y. Gas-lamp. No. 893,872; July 21; Sp. p. 3120; Dr. pp. 640-1; Gaz. vol. 135; p. 549.
- Rector Gas Lamp Company. (See Howard and Rector, assignors.)
- Rector Gas Lamp Company. (See Rector, A., assignor.)
- Rector, J. H., Murl, Ky. Separator. No. 895,040; Aug. 4; Sp. p. 538; Dr. pp. 109-10; Gaz. vol. 135; p. 982.
- Reddaway, F., Pendleton, Manchester, England. Manufacture of conveyer-belt and machine-belt. No. 885,955; Apr. 28; Sp. p. 4724; Dr. p. 993; Gaz. vol. 133; p. 2027.
- Redden, J. P. (See Redden, W. H. and J. P.)
- Redden, W. H. and J. P., Norwich, N. Y. Hoisting device. No. 887,228; May 12; Sp. p. 1778; Dr. p. 374; Gaz. vol. 134; p. 320.
- Redding, A., Bolingbroke, Ga. Implement for chopping or thinning out cotton. No. 890,096; June 9; Sp. p. 1800; Dr. p. 398; Gaz. vol. 134; p. 1377.
- Redell, A. B., and J. A. Panter, assignors to National Ventilator and Mfg. Co., Chicago, Ill. Ventilator. No. 879,119; Feb. 11; Sp. p. 2532; Dr. p. 526; Gaz. vol. 132; p. 1281.
- Redell, A. B., and J. A. Panter, assignors to National Ventilator and Mfg. Co., Chicago, Ill. Ventilator. No. 879,120; Feb. 11; Sp. p. 2534; Dr. pp. 526-7; Gaz. vol. 132; p. 1281.
- Röder, Leo, Essen-on-the-Ruhr, Germany. Window-curtain rod. No. 891,005; June 16; Sp. p. 3703; Dr. p. 807; Gaz. vol. 134; p. 1707.
- Redfern, W., Good Thunder, Minn. Sweeping compound. No. 907,403; Dec. 22; Sp. p. 4434; Gaz. vol. 137; p. 1816.
- Redfern, S., Manchester, England. Metallic packing. No. 903,229; Nov. 10; Sp. p. 1395; Gaz. vol. 137; p. 258.
- Redfield, C. L., Chicago, Ill. Motor-vehicle. No. 880,823; Mar. 3; Sp. p. 677; Dr. p. 142-3; Gaz. vol. 133; p. 117.
- Redfield, J. H. (See Retallack, J., assignor.)
- Redfield, R. S., East Orange, N. J., assignor to Robert S. Redfield & Company. Reducing-tank. No. 877,371; Jan. 21; Sp. p. 3458; Dr. p. 751; Gaz. vol. 132; p. 630.
- Redington, F. B. (See Brown and Johnston, assignors.)
- Redington, F. B. (See Johnston, C. L., assignor.)
- Redington, F. B., Chicago, Ill. Counting-machine. No. 900,954; Oct. 13; Sp. p. 1889; Dr. p. 385; Gaz. vol. 136; p. 1389.
- Redington, W. H., Evanston, Ill. Paste-cup. No. 893,653; July 21; Sp. p. 2599; Dr. p. 542; Gaz. vol. 135; p. 477.
- Redies, I., (now by marriage I. R. Shill), Swarthmore, Pa. Pin-fastener. No. 884,611; Apr. 14; Sp. p. 1910; Dr. p. 410; Gaz. vol. 133; p. 1527.
- Redlich, A. (See Pollak, L., assignor.)
- Redmond, E. S., Kansas City, Mo. Press for pressing concrete into blocks. No. 895,195; Aug. 4; Sp. p. 841; Dr. p. 177; Gaz. vol. 135; p. 1033.
- Redmond, R. P., Lewiston, N. Y. Fruit-sizer. No. 901,188; Oct. 13; Sp. p. 2311; Dr. pp. 473-4; Gaz. vol. 136; p. 1463.
- Redpath, G. O. (See Powell, E., assignor.)
- Redpath, R. C., Olathe, Kans. Road-grading machine. No. 890,796; June 16; Sp. p. 3269; Dr. p. 716; Gaz. vol. 134; p. 1639.
- Redpath, R. C., Oxford township, Johnson county, Kans. Automatic bale-wiring mechanism for baling-presses. No. 894,394; July 28; Sp. p. 4225; Dr. pp. 871-2; Gaz. vol. 135; p. 742.
- Redway, G. M., Newark, N. J. Type-writer cushion. No. 879,903; Feb. 25; Sp. p. 4188; Dr. p. 874; Gaz. vol. 132; p. 1613.
- Reece Button Hole Machine Company. (See Hill, H. E., assignor.)
- Reece Button Hole Machine Company. (See Leveque, B. T., assignor.)
- Reece Button Hole Machine Company. (See Read, F. A., assignor.)
- Reece Button-Hole Machine Company. (See Thayer, M. C., assignor.)
- Reece Folding Machine Company. (See Dixon, W. L., assignor.)
- Reece Folding Machine Company. (See Reece, G., assignor.)
- Reece, G., Wollaston, Mass., assignor to Reece Folding Machine Company, Portland, Me. Folding-machine for collars, &c. No. 889,858; June 2; Sp. p. 1298; Dr. pp. 297-8; Gaz. vol. 134; p. 1271.
- Reece, J. H., assignor to Humphrey & Sons, Joliet, Ill. Automatic safety appliance for wire-reels. No. 878,235; Feb. 4; Sp. p. 698; Dr. p. 144; Gaz. vol. 132; p. 960.
- Reece, J. H., assignor to Humphrey & Sons, Joliet, Ill. Wire-die safety appliance. No. 878,236; Feb. 4; Sp. p. 701; Dr. p. 144; Gaz. vol. 132; p. 960.
- Reece, J. M., assignor of two-thirds to J. F. Wilcox and C. T. Ames, Chanute, Kans. Valve attachment for oil-wells. No. 902,686; Nov. 3; Sp. p. 298; Gaz. vol. 137; p. 51.
- Reed, A., assignor to J. C. Parker, Middletown, Del. Collar-fastener. No. 908,422; Dec. 29; Sp. p. 6612; Gaz. vol. 137; p. 2187.
- Reed, A., assignor to J. C. Parker, Middletown, Del. Collar-fastener. No. 908,423; Dec. 29; Sp. p. 6613; Gaz. vol. 137; p. 2187.
- Reed, A. and D. A., Los Angeles, Cal. Shoe. No. 884,681; Apr. 14; Sp. p. 2084; Dr. p. 445; Gaz. vol. 133; p. 1550.
- Reed, A. M., Washington, D. C. Obstetrical appliance. No. 899,434; Sept. 22; Sp. p. 4307; Dr. p. 925; Gaz. vol. 136; p. 798.
- Reed, B. E. (See Johnson, G. W., assignor.)
- Reed and Barton Corporation. (See Lindenborg, A. G., assignor.)
- Reed, C. A., St. Paul, Minn. Railway-tie. No. 891,805; June 23; Sp. p. 5327; Dr. pp. 1153-4; Gaz. vol. 134; p. 2004.
- Reed, C. J., Philadelphia, Pa. Bevel-gear. No. 890,870; June 16; Sp. p. 3403; Dr. p. 746; Gaz. vol. 134; p. 1662.
- Reed, C. M., Sunnyside, Pa. Railway-tie organization. No. 880,918; Mar. 3; Sp. p. 882; Dr. p. 190; Gaz. vol. 133; p. 148.
- Reed, D. A. (See Reed, A. and D. A.)
- Reed, E., Denver, Colo. Key-bolt. No. 890,871; June 16; Sp. p. 3404; Dr. p. 746; Gaz. vol. 134; p. 1663.

Alphabetical list of patentees—Continued.

- Reed, E. C. (See Lubke and Reed.)
- Reed, E. G., Wilkinsburg, Pa. Weather-strip. No. 894,903; Aug. 4; Sp. p. 236; Dr. p. 50; Gaz. vol. 135; p. 935.
- Reed, E. L., Oregon, Ill. Shipping-crate. No. 881,200; Mar. 10; Sp. p. 1402; Dr. p. 303; Gaz. vol. 133; p. 268.
- Reed, E. W., Sr., Denver, Colo. Collar-button. No. 893,013; July 14; Sp. p. 1279; Dr. p. 269; Gaz. vol. 135; p. 238.
- Reed, F., Omaha, Nebr. Whiffletree. No. 892,622; July 7; Sp. p. 136; Dr. p. 95; Gaz. vol. 135; p. 80.
- Reed, F. B., assignor of one-half to T. A. and J. H. King, Moreland, Ky. Mail-crane. No. 888,452; May 19; Sp. p. 4252; Dr. pp. 900-1; Gaz. vol. 134; p. 752.
- Reed, F. C., Paonia, Colo. Rubber-holder. No. 876,091; Jan. 7; Sp. p. 796; Dr. p. 170; Gaz. vol. 132; p. 135.
- Reed, F. E., Wilmington, and E. C. Lang, Melrose, assignors to Heywood Brothers and Wakefield Company, Wakefield, Mass. Car-seat. No. 908,424; Dec. 29; Sp. p. 6614; Gaz. vol. 137; p. 2187.
- Reed, F. M., assignor of two-thirds to G. K. Schofield and R. H. Cokefair, Indianapolis, Ind. Smoke-consuming apparatus. No. 889,806; June 2; Sp. p. 1195; Dr. pp. 276-7; Gaz. vol. 134; p. 1253.
- Reed, G. B., assignor of one-half to A. T. Kirkland, Buffalo, N. Y. Box. No. 900,123; Oct. 6; Sp. p. 113; Dr. p. 23; Gaz. vol. 136; p. 1091.
- Reed, G. L., assignor to Reed Manufacturing Company, Springfield, Ohio. Warping-machine. No. 882,019; Mar. 17; Sp. p. 3092; Dr. p. 658; Gaz. vol. 133; p. 563.
- Reed, G. L., assignor to Reed Manufacturing Company, Springfield, Ohio. Cement-block machine. No. 901,740; Oct. 20; Sp. p. 3528; Dr. p. 714; Gaz. vol. 136; p. 1633.
- Reed, G. W., Greenfield, Ind. Hydrocarbon-burner. No. 882,585; Mar. 24; Sp. p. 4160; Dr. p. 882; Gaz. vol. 133; p. 779.
- Reed, H. A., New York, N. Y., assignor to Carbonic Condensing Co., Hoboken, N. J. Pressure-reducer for gaseous liquids. No. 901,741; Oct. 20; Sp. p. 3530; Dr. p. 714; Gaz. vol. 136; p. 1684.
- Reed, H. L., Louisiana, Mo. Machine for stripping leaves from trees. No. 887,519; May 12; Sp. p. 2437; Dr. pp. 513-14; Gaz. vol. 134; p. 418.
- Reed, J., Pittsburg, Pa. Coke-drawing apparatus. No. 900,206; Oct. 6; Sp. p. 283; Dr. p. 57; Gaz. vol. 136; p. 1118.
- Reed, J. A., Richmond, Ind. Metal railway-tie. No. 885,377; Apr. 21; Sp. p. 3532; Dr. p. 738; Gaz. vol. 133; p. 1811.
- Reed, J. C., Akron, Ohio. Railway-tie. No. 899,262; Sept. 22; Sp. p. 4017; Dr. p. 858; Gaz. vol. 136; p. 745.
- Reed, J. D., Greencastle, assignor of one-half to E. B. Halliday, Acton, Ind. Portable weighing apparatus for farm-wagons. No. 878,312; Feb. 4; Sp. p. 858; Dr. pp. 170-1; Gaz. vol. 132; p. 986.
- Reed, J. F., Somersworth, N. H. Top-roll clearer for drawing-rolls. No. 903,885; Nov. 17; Sp. p. 2735; Gaz. vol. 137; p. 504.
- Reed, J. H., Lancaster, Wis. Cream-separating device. No. 899,804; Sept. 29; Sp. p. 5102; Dr. p. 1091; Gaz. vol. 136; p. 957.
- Reed, J. H., assignor to Essex Machine Company, Lynn, Mass. Beating-out machine. No. 899,232; Sept. 22; Sp. p. 3932; Dr. pp. 839-40; Gaz. vol. 136; p. 735.
- Reed, J. P., Muncie, Ind. Trolley-finder. No. 897,402; Sept. 1; Sp. p. 339; Dr. p. 72; Gaz. vol. 136; p. 51.
- Reed, J. W., Berwind, Colo. Automatic dumping-car. No. 889,718; June 2; Sp. p. 1042; Dr. p. 241; Gaz. vol. 134; p. 1226.
- Reed, J. W., and L. Chapman, Berwind, Colo. Door-check. No. 901,832; Oct. 20; Sp. p. 3700; Dr. p. 751; Gaz. vol. 136; p. 1712.
- Reed Manufacturing Company. (See Hubbard, F. W., assignor.)
- Reed Manufacturing Company. (See Reed, G. L., assignor.)
- Reed, P. B., Topeka, Kans. Oil-burner. No. 879,002; Feb. 11; Sp. p. 2295; Dr. p. 479; Gaz. vol. 132; p. 1244.
- Reed, R. (See Luckey, J. J., assignor.)
- Reed, R. H., assignor to Patent Ownership Company, New York, N. Y. Safety-razor. No. 894,854; Aug. 4; Sp. p. 102; Dr. p. 21; Gaz. vol. 135; p. 918.
- Reed, R. H., assignor to Patent Ownership Company, New York, N. Y. Safety-razor. No. 896,153; Aug. 18; Sp. p. 2720; Dr. p. 587; Gaz. vol. 135; p. 1389.
- Reed, T. J., Bridgeport, Conn., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 893,373; July 14; Sp. p. 1970; Dr. p. 414; Gaz. vol. 135; p. 355.
- Reed, W. B., Portland, Ore. Car-fender. No. 882,079; Mar. 17; Sp. p. 3208; Dr. pp. 681-2; Gaz. vol. 133; p. 583.
- Reed, W. C., assignor of one-half to J. S. Stauffer Beaver, Pa. Wrench. No. 903,002; Nov. 3; Sp. p. 950; Gaz. vol. 137; p. 157.
- Reed, W. H., Sawtelle, Cal. Bicycle package-carrier. No. 875,949; Jan. 7; Sp. p. 498; Dr. p. 107; Gaz. vol. 132; p. 90.
- Reeder, L. C., Salem, W. Va. Check-book. No. 888,352; May 19; Sp. p. 4036; Dr. p. 851; Gaz. vol. 134; p. 719.
- Reel, W. H., Pennsgrove, N. J. Railway-rail joint. No. 885,787; Apr. 28; Sp. p. 4360; Dr. p. 915; Gaz. vol. 133; p. 1969.
- Reenstierna, G. L., Edgewater, N. J., assignor to R-W Speed Variator Co. Variable-speed power-transmission mechanism. No. 889,333; June 2; Sp. p. 270; Dr. pp. 66-7; Gaz. vol. 134; p. 1102.
- Rees, C. S., Philadelphia, Pa., and W. Fischer, Jr., Paterson, N. J.; said Fischer assignor to said Rees. Broom-holder. No. 876,589; Jan. 14; Sp. p. 1851; Dr. p. 405; Gaz. vol. 132; p. 333.
- Rees, E. S. G., Dunsear, Oken, near Wolverhampton, England. Centrifugal pump and turbine. No. 888,192; May 19; Sp. p. 3729; Dr. p. 782; Gaz. vol. 134; p. 667.
- Rees, G. H. (See Bourne and Rees.)
- Rees, O. (See Hall and Rees.)
- Rees, W. O., assignor of one-half to K. C. Cosley, Denver, Colo. Signal-recorder. No. 890,528; June 9; Sp. p. 2671; Dr. p. 589; Gaz. vol. 134; p. 1516.
- Reese, H., Baltimore, Md. Device for killing rats. No. 887,125; May 12; Sp. p. 1564; Dr. p. 331; Gaz. vol. 134; p. 287.
- Reese, W. A. (See Frost and Reese.)
- Reeser, E. R., Tamaqua, Pa., assignor, by mesne assignments, to National Water Main Cleaning Company, New York, N. Y. Pipe-line cleaner. No. 906,560; Dec. 15; Sp. p. 2799; Gaz. vol. 137; p. 1507.
- Reeser, P. S., Orangeville, Ill. Rail-fastening. No. 895,893; Aug. 11; Sp. p. 2234; Dr. p. 477; Gaz. vol. 135; p. 1285.
- Reeser, W. J., Butler, Minn. Metal sign. No. 905,228; Dec. 1; Sp. p. 217; Gaz. vol. 137; p. 1020.
- Reesor, I. C., assignor of one-half to H. L. Ritter, Denver, Colo. Self-locking seal. No. 896,244; Aug. 18; Sp. p. 2899; Dr. p. 625; Gaz. vol. 135; p. 1421.
- Reeve, F. M. I., Elbow Lake, Minn. Strainer. No. 892,551; July 7; Sp. p. 305; Dr. p. 67; Gaz. vol. 135; p. 57.
- Reeve, S. A. (See Noyes and Reeve.)
- Reeve, S. A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Valve mechanism for compressors. No. 878,562; Feb. 11; Sp. p. 1433; Dr. pp. 292-3; Gaz. vol. 132; p. 1103.
- Reeve, S. A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Valve mechanism for engines and compressors. No. 880,824; Mar. 3; Sp. p. 684; Dr. pp. 143-6; Gaz. vol. 133; p. 117.
- Reeve, S. A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Variable-clearance engine. No. 880,825; Mar. 3; Sp. p. 691; Dr. p. 146; Gaz. vol. 133; p. 117.
- Reeve, S. A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Internal-combustion engine. No. 899,842; Sept. 29; Sp. p. 5168; Dr. pp. 1107-8; Gaz. vol. 136; p. 969.
- Reeve, S. A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Apparatus for centrifugal fluid compression. No. 902,605; Nov. 3; Sp. p. 152; Gaz. vol. 137; p. 25.
- Reeve, S. A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Compound explosive-motor. No. 904,807; Nov. 24; Sp. p. 4689; Gaz. vol. 137; p. 842.
- Reeve, S. A., New Haven, Conn., assignor to W. M. and L. E. Meacham, Chicago, Ill. Marine navigation. (Reissue.) No. 12,791; May 12; Sp. p. 2848; Dr. p. 602; Gaz. vol. 134; p. 494.
- Reeves, A. (See Fowler and Reeves.)
- Reeves, C., assignor to W. H. Jamison, Trenton, N. J. Journal-bearing adjustment. No. 894,532; July 28; Sp. p. 4494; Dr. p. 931; Gaz. vol. 135; p. 787.
- Reeves, C. H., La Fayette, Ind. Fire-guard. No. 878,563; Feb. 11; Sp. p. 1437; Dr. p. 293; Gaz. vol. 132; p. 1104.
- Reeves, C. R., Fairhaven, Mass. Car-fender. No. 884,206; Apr. 7; Sp. p. 1117; Dr. p. 234; Gaz. vol. 133; p. 1367.
- Reeves & Company. (See Clay, H. C., assignor.)
- Reeves, E. R. (See Reeves, W. A. and E. R.)
- Reeves, J. H., Orange, Cal. Knockdown form for the construction of concrete bins. No. 907,878; Dec. 29; Sp. p. 5447; Gaz. vol. 137; p. 2002.
- Reeves, M. O., assignor to Reeves Pulley Company, Columbus, Ind. Automobile transmission mechanism. No. 904,723; Nov. 24; Sp. p. 4497; Gaz. vol. 137; p. 814.
- Reeves Pulley Company. (See Reeves, M. O., assignor.)
- Reeves, R. C. (See Eastburn and Reeves.)
- Reeves, S. H., et al. (See Groh, R. C., assignor.)
- Reeves, W. A. and E. R., Columbus, Ohio. Balanced proportioning-valve for explosive-engines. No. 907,879; Dec. 29; Sp. p. 5448; Gaz. vol. 137; p. 2003.
- Regan, G. G. (See Regan, T. V., assignor.)
- Regan, J. H. (See Blumh and Regan.)
- Regan, M. C., U. S. Army. Motor-controlling apparatus. No. 901,189; Oct. 13; Sp. p. 2313; Dr. pp. 474-5; Gaz. vol. 136; p. 1464.
- Regan, P. J., Iowa City, Iowa. Vending-machine. No. 898,681; Sept. 15; Sp. p. 2909; Dr. p. 623; Gaz. vol. 136; p. 528.

Alphabetical list of patentees—Continued.

- Regan, T. J., assignor of two-thirds to Geo. E. Keith Company, Brockton, Mass. Boot and shoe. No. 887,846; May 19; Sp. p. 3084; Dr. p. 647; Gaz. vol. 134; p. 556.
- Regan, T. V., assignor to G. G. Regan, New Orleans, La. Shirt. No. 893,545; July 14; Sp. p. 2354; Dr. p. 493; Gaz. vol. 135; p. 411.
- Regenbogen, C. (See Ruud and Regenbogen.)
- Regensburger, F. J. (See Nylander and Regensburger.)
- Regina Company. (See Sampere, J., assignor.)
- Regina Maschinfabrik, G. M. B. H. (See Lebeis, M., assignor.)
- Register, J. L. (See Fletcher and Register.)
- Regnell, O. F., Milwaukee, Wis. Coffee-pot. No. 880,096; Feb. 25; Sp. p. 4553; Dr. p. 959; Gaz. vol. 132; p. 1674.
- Rehart, S. V., Lakeview, Oreg. Wrench. No. 902,251; Oct. 27; Sp. p. 4556; Dr. p. 925; Gaz. vol. 136; p. 1876.
- Rehbein, G., Canton, Kans. Hydrocarbon-burner. No. 883,236; Mar. 31; Sp. p. 5474; Dr. p. 1167; Gaz. vol. 133; p. 1024.
- Rehfuß, J. G. (See Tily and Rehfuß.)
- Rehfuß, M. O. (See Tily and Rehfuß.)
- Rehfuß, M. O., Philadelphia, Pa. Fringed edging for fabrics. No. 892,889; July 7; Sp. p. 1002; Dr. p. 210; Gaz. vol. 135; p. 167.
- Rehill, P. V., New Suffolk, N. Y. Explosive-engine. No. 906,288; Dec. 8; Sp. p. 2209; Gaz. vol. 137; p. 1395.
- Rehling, J. W., Allegheny, Pa. Insulator. No. 887,520; May 12; Sp. p. 2438; Dr. p. 514; Gaz. vol. 134; p. 419.
- Rehmann, H., Mulheim-on-the-Ruhr, Germany. Gas-generator. No. 900,955; Oct. 13; Sp. p. 1892; Dr. p. 385; Gaz. vol. 136; p. 1389.
- Reiber, F. W., Sugar Grove, assignor of one-fourth to C. Kemmler, Columbus, Ohio. Non-explosive oil-tank. No. 888,739; May 26; Sp. p. 4833; Dr. p. 1031; Gaz. vol. 134; p. 878.
- Reich, H. A., assignor to R. Reich & Son, New York, N. Y. Finishing the mouths of the animal-heads of skin rugs. No. 880,919; Mar. 3; Sp. p. 884; Dr. p. 190; Gaz. vol. 133; p. 148.
- Reich & Son, R. (See Reich, H. A., assignor.)
- Reichardt, R., *et al.* (See Sharpneck, F. A., assignor.)
- Reichart, W. M. (See Sixt and Reichart.)
- Reichenbach, E., Jefferson, Wis. Burglar-alarm. No. 893,374; July 14; Sp. p. 1973; Dr. p. 414; Gaz. vol. 135; p. 355.
- Reichenbach, F., Charlottenburg, Germany. Device for igniting the charges of internal-combustion engines. No. 885,520; Apr. 21; Sp. p. 3776; Dr. p. 795; Gaz. vol. 133; p. 1853.
- Reichenbach, H. C. W., New York, A. A. Low, Horseshoe, and A. Wassmann, Astoria, N. Y.; said Reichenbach and Wassmann assignors to said Low. Hydrocarbon-motor. No. 903,772; Nov. 10; Sp. p. 2465; Gaz. vol. 137; p. 432.
- Reichenbach, H. M., Yonkers, N. Y. Incandescent burner. No. 904,448; Nov. 17; Sp. p. 3916; Gaz. vol. 137; p. 694.
- Reichert, G., Cobb, Wis. Ironing-gloss. No. 888,655; May 26; Sp. p. 4682; Gaz. vol. 134; p. 853.
- Reichert, H., Rockdale, Tex. Hog-catcher. No. 905,579; Dec. 1; Sp. p. 944; Gaz. vol. 137; p. 1134.
- Reichert, J., Racine, Wis. Harness-buckle. No. 884,207; Apr. 7; Sp. p. 1118; Dr. p. 234; Gaz. vol. 133; p. 1367.
- Reichert, J., Racine, Wis. Horse-blanket fastening. No. 893,924; Sept. 15; Sp. p. 3340; Dr. p. 716; Gaz. vol. 136; p. 607.
- Reichhelm, E. P., Bayonne, N. J. Duplex rotary blower. No. 891,372; June 23; Sp. p. 4459; Dr. pp. 965-6; Gaz. vol. 134; p. 1858.
- Reichner, W. K., Philadelphia, Pa. Street-railway automatic switch-iron. No. 885,788; Apr. 28; Sp. p. 4361; Dr. p. 915; Gaz. vol. 133; p. 1969.
- Reid, A. H., Philadelphia, Pa. Bearing for shafts, spindles, &c. No. 901,374; Oct. 20; Sp. p. 2708; Dr. p. 556; Gaz. vol. 136; p. 1560.
- Reid, C., Dublin, Ireland. Rifle-target. No. 891,566; June 23; Sp. p. 4827; Dr. p. 1042; Gaz. vol. 134; p. 1921.
- Reid, C. E., and J. Heissenberger, New York, N. Y. Mail-delivery apparatus. No. 899,903; Sept. 29; Sp. p. 5294; Dr. p. 1132; Gaz. vol. 136; p. 989.
- Reid, C. H. (See Albertson, O. L., assignor.)
- Reid, C. R., Heidelberg, Miss. Rotary engine. No. 877,733; Jan. 28; Sp. p. 4182; Dr. p. 907; Gaz. vol. 132; p. 768.
- Reid, E. S., assignor to Northern Engineering Works, Detroit, Mich. Hoisting mechanism. No. 906,561; Dec. 15; Sp. p. 2800; Gaz. vol. 137; p. 1508.
- Reid, F. T., Kansas City, Mo. Automatic stop-valve. No. 882,798; Mar. 24; Sp. p. 4577; Dr. p. 976; Gaz. vol. 133; p. 850.
- Reid, G. K., Minneapolis, Minn. Curtain-stretching pin. No. 894,395; July 28; Sp. p. 4232; Dr. p. 873; Gaz. vol. 135; p. 743.
- Reid, H. G. (See Stewart, McCluskey, and Reid.)
- Reid, J., New York, N. Y. Ship. No. 875,734; Jan. 7; Sp. p. 107; Dr. p. 23; Gaz. vol. 132; p. 22.
- Reid, J. H., Cornwall, assignor of one-half to S. L. Tingley, Ottawa, Canada. Treating ore. No. 895,196; Aug. 4; Sp. p. 842; Dr. p. 177; Gaz. vol. 135; p. 1034.
- Reid, J. H., Cornwall, Ontario, assignor of one-half to S. L. Tingley, Ottawa, Canada. Electric furnace. No. 900,207; Oct. 6; Sp. p. 285; Dr. p. 53; Gaz. vol. 136; p. 1118.
- Reid, J. H., Newark, N. J., assignor to Electric Smelters, Limited, Ottawa, Canada. Extracting metals from ores. No. 896,245; Aug. 18; Sp. p. 2901; Dr. p. 625; Gaz. vol. 135; p. 1422.
- Reid, J. H., Newark, N. J., assignor to Electric Smelters, Limited, Ottawa, Canada. Apparatus for extracting metals from ores. No. 896,413; Aug. 18; Sp. p. 3253; Dr. p. 698; Gaz. vol. 135; p. 1475.
- Reid, J. W. P. (See Rhodes, E., assignor.)
- Reid, M., Somerset, Manitoba, Canada. Grain-car door. No. 878,019; Feb. 4; Sp. p. 263; Dr. pp. 56-7; Gaz. vol. 132; p. 891.
- Reid, T. P. (See Racouillat and Reid.)
- Reid, T. P., San Francisco, Cal. Puzzle-purse. No. 886,540; May 5; Sp. p. 389; Dr. p. 82; Gaz. vol. 134; p. 72.
- Reid, W. A., assignor to N. O. Nelson Manufacturing Company, St. Louis, Mo. Drum-trap. No. 882,209; Mar. 17; Sp. p. 3445; Dr. p. 733; Gaz. vol. 133; p. 623.
- Reid, W. G., and A. J. Smith, Cold Spring, N. Y. Ice-scraper and brush-sweeping device. No. 907,880; Dec. 29; Sp. p. 5450; Gaz. vol. 137; p. 2003.
- Reid, W. H., assignor to W. G. Lamprecht, Brooklyn, N. Y. Bottle-closure. No. 882,840; Mar. 24; Sp. p. 4667; Dr. p. 993; Gaz. vol. 133; p. 863.
- Reid, W. J., Scranton, Pa. Garment-protecting device. No. 907,175; Dec. 22; Sp. p. 3970; Gaz. vol. 137; p. 1737.
- Reid, W. W., assignor of one-half to J. F. Hitt, Winnsboro, Tex. Sweep-holder. No. 888,849; May 26; Sp. p. 5093; Dr. p. 1086; Gaz. vol. 134; p. 914.
- Reidenbaugh, J. (See Packard and Reidenbaugh.)
- Reidenbaugh, J. (See Stump, Reidenbaugh, and Packard.)
- Reif, J., Jr., Hebron, Ind. Wrench. No. 883,237; Mar. 31; Sp. p. 5475; Dr. p. 1167; Gaz. vol. 133; p. 1024.
- Reif, J., Jr., Hebron, Ind. Wrench. No. 899,805; Sept. 29; Sp. p. 5103; Dr. p. 1091; Gaz. vol. 136; p. 958.
- Reif, N., Hanover, Germany. Manufacture of plastic compositions from fibrous materials. No. 895,197; Aug. 4; Sp. p. 844; Dr. p. 173; Gaz. vol. 135; p. 1034.
- Reif, O. M. (See Croft and Reif.)
- Reigh, M. S., Pittsburg, Pa. Means for making horseshoes. No. 884,855; Apr. 14; Sp. p. 2447; Dr. p. 515; Gaz. vol. 133; p. 1609.
- Reiling, A. W., Fort Wayne, Ind. Car-controlling apparatus. No. 895,109; Aug. 4; Sp. p. 674; Dr. p. 141; Gaz. vol. 135; p. 1006.
- Reiling, C. J., assignor to M. E. Reiling, Pittsburg, Pa. Shearing and punching machine. No. 903,773; Nov. 10; Sp. p. 2467; Gaz. vol. 137; p. 433.
- Reiling, M. E. (See Reiling, C. J., assignor.)
- Reiley, F. A., Port Chester, N. Y. Heater for applying and melting waxes, paraffins, solders, and similar substances. No. 897,782; Sept. 1; Sp. p. 1094; Dr. p. 235; Gaz. vol. 136; p. 175.
- Reilly, A. H., Birmingham, England. Epicyclic driving mechanism for cycles. No. 895,681; Aug. 11; Sp. p. 1806; Dr. p. 385; Gaz. vol. 135; p. 1217.
- Reilly, C. J., Syracuse, Ind. Separator. No. 903,609; Nov. 10; Sp. p. 2159; Gaz. vol. 137; p. 383.
- Reilly, E. J., Eganville, Ontario, Canada. Sash-balance. No. 905,580; Dec. 1; Sp. p. 945; Gaz. vol. 137; p. 1134.
- Reilly, P. C., Indianapolis, Ind. Preserved wood. No. 899,904; Sept. 29; Sp. p. 5297; Gaz. vol. 136; p. 989.
- Reilly, P. C., Indianapolis, Ind. Preserved wood. No. 899,905; Sept. 29; Sp. p. 5298; Gaz. vol. 136; p. 989.
- Reilly, P. C., Indianapolis, Ind. Preserved wood and making same. No. 901,557; Oct. 20; Sp. p. 3128; Gaz. vol. 136; p. 1623.
- Reilly, W. B., Loomis, Wash. Bottle-stopper. No. 887,229; May 12; Sp. p. 1779; Dr. p. 374; Gaz. vol. 134; p. 320.
- Reilly, J. B., Collinston, La. Bottle. No. 896,857; Aug. 25; Sp. p. 4168; Dr. p. 892; Gaz. vol. 135; p. 1643.
- Reilly, W. B. (See Williams, B. R., assignor.)
- Reimann, A., Zizkov-Frague, Austria-Hungary. Insulating-covering for pipes. No. 903,316; Nov. 10; Sp. p. 1553; Gaz. vol. 137; p. 287.
- Reimer, T. W. (See Rowe and Reimer.)
- Reimers, J. C., Stella, Nebr. Lawn-mower. No. 898,925; Sept. 15; Sp. p. 3342; Dr. p. 717; Gaz. vol. 136; p. 608.
- Rein, J., Whalen, Minn. Road-grading machine. No. 905,367; Dec. 1; Sp. p. 476; Gaz. vol. 137; p. 1063.
- Rein, R., Schlachtensee, near Berlin, assignor, by mesne assignments, to Ludwig Spitz & Co. G. m. b. H., Berlin, Germany. Calculating-machine. No. 897,659; Sept. 1; Sp. p. 842; Dr. p. 173; Gaz. vol. 136; p. 135.
- Reinecke, J. A. F., Dresden, Germany, assignor to American Tobacco Company, New York, N. Y. Machine for forming cigarettes with mouthpieces. No. 893,098; July 14; Sp. p. 1427; Dr. pp. 302-3; Gaz. vol. 135; p. 265.

Alphabetical list of patentees—Continued.

- Reineking, F. C., New York, N. Y. Air-intake regulator for carbureters. No. 894,286; July 28; Sp. p. 4005; Dr. p. 826; Gaz. vol. 135; p. 706.
- Reineking, F. C., New York, N. Y. Carbureter. No. 907,881; Dec. 29; Sp. p. 5452; Gaz. vol. 137; p. 2004.
- Reinen, O. F., Los Angeles, Cal. Machine for cutting out mica between segments in commutators. No. 906,160; Dec. 8; Sp. p. 2056; Gaz. vol. 137; p. 1352.
- Reiness, I., New York, N. Y. Device for securing scarf-pins. No. 883,422; Mar. 31; Sp. p. 5873; Dr. p. 1251; Gaz. vol. 133; p. 1085.
- Reinforced Concrete Pipe Company. (See Phelan, J. M., assignor.)
- Reinhardt, H., assignor to Tubes Limited, Birmingham, England. Manufacture of metal tubes and the like. No. 903,329; Dec. 29; Sp. p. 6415; Gaz. vol. 137; p. 2154.
- Reinhardt, J. H., East Orange, N. J., assignor to two-thirds to W. H. Van Wart, Brooklyn, N. Y., and J. J. Keenan, Ridgewood, N. J. Computing-scale. No. 893,099; July 14; Sp. p. 1434; Dr. p. 303; Gaz. vol. 135; p. 265.
- Reinhardt, L. W., Whitman, assignor to C. S. Pierce, Brockton, Mass. Bracket for feed-gages. No. 902,910; Nov. 3; Sp. p. 766; Gaz. vol. 137; p. 126.
- Reinhardt, P., Omaha, Nebr. Metallic vehicle-hub. No. 884,612; Apr. 14; Sp. p. 1911; Dr. p. 410; Gaz. vol. 133; p. 1527.
- Reinhart Varieties Company. (See Kohler, F. E., assignor.)
- Reinhold, A. H., Detroit, Mich. Envelop-opener or paper-cutter. No. 890,300; June 9; Sp. p. 2246; Dr. p. 494; Gaz. vol. 134; p. 1445.
- Reinicke, A., Reading, Mich. Fruit-gatherer. No. 891,373; June 23; Sp. p. 4441; Dr. p. 966; Gaz. vol. 134; p. 1859.
- Reinische Metallwaren-und Maschinenfabrik. (See Völler, K., assignor.)
- Reinker, C. and W., Lakewood, Ohio. Electric call-bell. No. 905,229; Dec. 1; Sp. p. 218; Gaz. vol. 137; p. 1020.
- Reinker, W. (See Reinker, C. and W.)
- Reinoehl, C. W. (See Weaver and Reinoehl.)
- Reinoehl, C. W., and B. L. Weaver, Steelton, Pa. Railway frog or crossing. No. 887,847; May 19; Sp. p. 3035; Dr. p. 647; Gaz. vol. 134; p. 556.
- Reinoehl, C. W., and B. L. Weaver, Steelton, Pa. Railway frog or crossing. No. 896,154; Aug. 18; Sp. p. 2726; Dr. p. 587; Gaz. vol. 135; p. 1390.
- Reinshagen, H., Cologne, Germany, assignor to Otto Gas Engine Works, Philadelphia, Pa. Inlet-valve mechanism for internal-combustion engines. No. 876,236; Jan. 7; Sp. p. 1067; Dr. p. 231; Gaz. vol. 132; p. 181.
- Reisert, H., Cologne, Germany, assignor to Hans Reisert Company. Apparatus for purifying water. No. 890,301; June 9; Sp. p. 2247; Dr. p. 494-5; Gaz. vol. 134; p. 1445.
- Reisert, H., Cologne, Germany, assignor to Hans Reisert Company. Apparatus for purifying water. No. 895,198; Aug. 4; Sp. p. 846; Dr. p. 178; Gaz. vol. 135; p. 1034.
- Reisner, H., Chicago, Ill. Bung-bushing for casks. No. 887,962; May 19; Sp. p. 3303; Dr. p. 694; Gaz. vol. 134; p. 595.
- Reiss, G. T., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, Jersey City, N. J. Facing-tool. No. 876,999; Jan. 21; Sp. p. 2703; Dr. p. 586; Gaz. vol. 132; p. 508.
- Reiss, G. T., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, Jersey City, N. J. Multiple drill. No. 883,481; Mar. 31; Sp. p. 5996; Dr. p. 1279; Gaz. vol. 133; p. 1105.
- Reiss, G. T., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, Jersey City, N. J. Reamer-tap. No. 899,759; Sept. 29; Sp. p. 4983; Dr. p. 1069; Gaz. vol. 136; p. 941.
- Reist, H. G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 887,521; May 12; Sp. p. 2439; Dr. p. 514; Gaz. vol. 134; p. 419.
- Reist, H. G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 894,533; July 28; Sp. p. 4495; Dr. p. 931; Gaz. vol. 135; p. 787.
- Reist, H. G., Schenectady, N. Y., assignor to General Electric Company. Field-magnet structure. No. 896,321; Aug. 18; Sp. p. 3069; Dr. p. 661; Gaz. vol. 135; p. 1445.
- Reist, H. G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 896,322; Aug. 18; Sp. p. 3071; Dr. p. 662; Gaz. vol. 135; p. 1446.
- Reist, H. G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 896,323; Aug. 18; Sp. p. 3074; Dr. p. 662; Gaz. vol. 135; p. 1446.
- Reist, H. G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 900,780; Oct. 13; Sp. p. 1509; Dr. p. 307; Gaz. vol. 136; p. 1332.
- Reist, H. G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 900,781; Oct. 13; Sp. p. 1511; Dr. p. 307; Gaz. vol. 136; p. 1332.
- Reist, S. M., Minersville, Cal. Burglar-alarm. No. 907,526; Dec. 22; Sp. p. 4690; Gaz. vol. 137; p. 1857.
- Reistad, T., St. Paul, Minn. Excavating-machine. No. 880,826; Mar. 3; Sp. p. 695; Dr. p. 146; Gaz. vol. 133; p. 118.
- Reiter, E. C., Rockville, Conn. Heat-retainer and drip-pan. No. 897,928; Sept. 8; Sp. p. 1421; Dr. p. 303; Gaz. vol. 136; p. 255.
- Reiter, J. H. (See Knuppel, J., assignor.)
- Reitz, E. A., Reynoldsville, Pa. Adjustable window-screen. No. 902,110; Oct. 27; Sp. p. 4272; Dr. p. 866; Gaz. vol. 136; p. 1831.
- Reix, J., Paris, France. Advertising apparatus. No. 899,321; Sept. 22; Sp. p. 4115; Dr. p. 880; Gaz. vol. 136; p. 763.
- Remaley, C. E., et al. (See Giffin, J. E., assignor.)
- Remané, H. (See Blau and Remané.)
- Remark, F. E., Akron, Ohio. Armor for tires. No. 889,334; June 2; Sp. p. 275; Dr. p. 67; Gaz. vol. 134; p. 1102.
- Rembaux, L., Moustier sur Sambre, Belgium. Table for casting glass. No. 879,491; Feb. 18; Sp. p. 3282; Dr. p. 686; Gaz. vol. 132; p. 1444.
- Remick, A. A., Providence, R. I. Explosive-gas engine. No. 902,450; Oct. 27; Sp. p. 4985; Dr. p. 1008; Gaz. vol. 136; p. 1943.
- Remine, J. Q., Greenville, Tenn. Truss. No. 890,452; June 9; Sp. p. 2523; Dr. p. 558; Gaz. vol. 134; p. 1492.
- Remington, A. M., assignor to Simonds Manufacturing Co., Fitchburg, Mass. Handsaw. No. 885,521; Apr. 21; Sp. p. 3777; Dr. p. 795; Gaz. vol. 133; p. 1854.
- Remington, E., Lebanon, Kans. Blacksmith's blower. No. 887,424; May 12; Sp. p. 2241; Dr. p. 469; Gaz. vol. 134; p. 387.
- Remington, J. P., Philadelphia, Pa. Device for cleaning capsules. No. 886,075; Apr. 28; Sp. p. 4962; Dr. p. 1043; Gaz. vol. 133; p. 2064.
- Remington, J. P., assignor to Remington Manufacturing Company, Inc., Philadelphia, Pa. Capsule-placing device. No. 899,760; Sept. 29; Sp. p. 4989; Dr. p. 1069; Gaz. vol. 136; p. 942.
- Remington, J. P., assignor to Remington Manufacturing Company, Inc., Philadelphia, Pa. Capsule-filling mechanism. No. 899,761; Sept. 29; Sp. p. 4991; Dr. p. 1070; Gaz. vol. 136; p. 942.
- Remington Manufacturing Company. (See Remington, J. P., assignor.)
- Remington Oil Engine Company. (See Remington, W., assignor.)
- Remington and Sherman Company. (See Williams, J. H., assignor.)
- Remington, W., assignor to Remington Oil Engine Company, Stamford, Conn. Internal-combustion engine. No. 903,774; Nov. 10; Sp. p. 2471; Gaz. vol. 137; p. 433.
- Remington, W. M. (See Duryea and Remington.)
- Remley, A. J., Crawfordsville, Ind. Cement-mixer. No. 888,118; May 19; Sp. p. 3602; Dr. p. 755; Gaz. vol. 134; p. 644.
- Remmers, H. C., Philadelphia, Pa. Confectionery-coating machine. No. 879,585; Feb. 18; Sp. p. 3486; Dr. p. 731; Gaz. vol. 132; p. 1475.
- Remontet, S., Lagresle, France. Automatic door-closer. No. 900,956; Oct. 13; Sp. p. 1894; Dr. p. 385; Gaz. vol. 136; p. 1390.
- Rempe, J. E., assignor of three-eighths to F. L. Shidler, L. G. Pahnke, and W. G. Childs, Kankakee, Ill. Operating mechanism for washing-machines. No. 895,041; Aug. 4; Sp. p. 539; Dr. p. 110; Gaz. vol. 135; p. 983.
- Rempes, C. L., Akron, Ohio. Cushion-tire. No. 893,655; July 21; Sp. p. 2601; Dr. p. 542; Gaz. vol. 135; p. 277.
- Rensburg, M., et al. (See Fredericks, E. J. and D. R., assignors.)
- Remus, T., Dresden, Germany. Producing folds for holding the top or bottom pieces of card and pasteboard boxes in position. No. 893,654; July 21; Sp. p. 2600; Dr. p. 542; Gaz. vol. 135; p. 477.
- Renard, A. (See Renard, C. and A.)
- Renard, C. and A., Nonancourt, France. Power-loom for the manufacture of tufted pile fabrics. No. 894,287; July 28; Sp. p. 4006; Dr. p. 827-9; Gaz. vol. 135; p. 707.
- Renas, C. (See Hestand and Renas.)
- Renaud, T., Chauvin, Mich. Clothes-line reel. No. 887,522; May 12; Sp. p. 2440; Dr. p. 514; Gaz. vol. 134; p. 419.
- Renault, L., Billancourt, France. Shock-absorber for vehicles. No. 907,644; Dec. 22; Sp. p. 4968; Gaz. vol. 137; p. 1895.
- Renci, E. (See Sorko and Renci.)
- Rendahl, T., et al. (See Foldvik, H., assignor.)
- Rendall, G. F., New York, N. Y. Apparatus for producing gas. No. 903,503; Nov. 10; Sp. p. 1936; Gaz. vol. 137; p. 349.
- Rendall, G. F., New York, N. Y., assignor to American Reduction Company. Reducing metallic substances by volatilization and precipitation. No. 903,317; Nov. 10; Sp. p. 1554; Gaz. vol. 137; p. 287.
- Rendall, G. F., New York, N. Y., assignor to American Reduction Company. Reducing ores. No. 903,318; Nov. 10; Sp. p. 1556; Gaz. vol. 137; p. 287.
- Renfors, H., and R. Lindgren, Kajana, Russia. Clasp for fastening firearms to supports. No. 899,617; Sept. 29; Sp. p. 4704; Dr. pp. 1007-8; Gaz. vol. 136; p. 896.
- Renken, A. F., Kramer, Nebr. Gopher-trap. No. 898,262; Sept. 8; Sp. p. 2082; Dr. p. 443; Gaz. vol. 136; p. 360.

Alphabetical list of patentees—Continued.

- Renkenberger, E., Buffalo, N. Y. Stopper-extractor. No. 883,482; Mar. 31; Sp. p. 5998; Dr. p. 1279; Gaz. vol. 133; p. 1106.
- Renner, F. W., Creighton, assignor of one-half to L. S. Brisker, New Kensington, Pa. Mail catching and delivering device. No. 891,006; June 16; Sp. p. 3703; Dr. pp. 807-8; Gaz. vol. 134; p. 1707.
- Renner, M., Chicago, Ill. Bevel-square. No. 886,639; May 5; Sp. p. 583; Dr. p. 122; Gaz. vol. 134; p. 102.
- Renner, P., Cincinnati, Ohio. Coffee-pot. No. 891,441; June 23; Sp. p. 4571; Dr. pp. 994-5; Gaz. vol. 134; p. 1881.
- Rennick, F. B., Ashtabula, Ohio. Double-acting corn-popper. No. 834,636; July 28; Sp. p. 4824; Dr. p. 1002; Gaz. vol. 135; p. 841.
- Rennie, E., Halifax, Nova Scotia, Canada. Shoe-heel attachment. No. 879,904; Feb. 25; Sp. p. 4189; Dr. p. 874; Gaz. vol. 132; p. 1613.
- Rennie, E. (See Puddington, A. W., assignor.)
- Rennie, R. J., Mooers Forks, N. Y. Igniter-rod for gasoline-engines. No. 888,533; May 26; Sp. p. 4404; Dr. p. 933; Gaz. vol. 134; p. 809.
- Rennie, W. J., New York, N. Y. Brick-kiln. No. 904,994; Nov. 24; Sp. p. 5069; Gaz. vol. 137; p. 904.
- Reno, J. B., Canton, Ohio. Harness-swing. No. 883,238; Mar. 31; Sp. p. 5477; Dr. p. 1167; Gaz. vol. 133; p. 1025.
- Reno, J. M., Kewanna, Ind. Compound for use with razor-strops. No. 879,319; Feb. 18; Sp. p. 2920; Gaz. vol. 132; p. 1389.
- Renshaw, C. M., Lake Andes, S. D. Poultry indicator and marker. No. 881,152; Mar. 10; Sp. p. 1319; Dr. p. 285; Gaz. vol. 133; p. 255.
- Renshaw, W. (See Kennedy, M., assignor.)
- Renshaw, W. J., Newcastle, England. Means for producing motive fluid from the combustion of fuel. No. 884,042; Apr. 7; Sp. p. 757; Dr. pp. 157-8; Gaz. vol. 133; p. 1313.
- Restrom, N. A., assignor of one-half to E. Thorp, Omaha, Nebr. Acetylene-gas apparatus. No. 897,491; Sept. 1; Sp. p. 510; Dr. p. 108; Gaz. vol. 136; p. 81.
- Renta Water Heater Co. (See Pitcher, T. W., assignor.)
- Rentchler, P. (See Rogerson and Rentchler.)
- Renth, L. E. and M. M., Chicago, Ill. Aseptic hair-roll. No. 894,462; July 28; Sp. p. 4366; Dr. p. 900; Gaz. vol. 135; p. 765.
- Renth, M. M. (See Renth, L. E. and M. M.)
- Rentner, H., Cleveland, Ohio. Window-sash lock. No. 893,195; July 14; Sp. p. 1641; Dr. p. 346; Gaz. vol. 135; p. 296.
- Renton, G. W., Brooklyn, N. Y. Air-valve for stench or water-seal traps. No. 878,424; Feb. 4; Sp. p. 1064; Dr. p. 215; Gaz. vol. 132; p. 1023.
- Renton, H. T., Oakland, Cal. Belt and support for abdominal treatment. No. 880,041; Feb. 25; Sp. p. 4461; Dr. pp. 936-7; Gaz. vol. 132; p. 1658.
- Rentz, G., Wells, Minn. Pen. No. 896,576; Aug. 18; Sp. p. 3577; Dr. p. 770; Gaz. vol. 135; p. 1528.
- Renz, J. (See Vrana and Schiba, assignors.)
- Reo Car Co. (See Thomas, H. T., assignor.)
- Reo Motor Car Company. (See Fillingham, J. P., assignor.)
- Reo Motor Car Company. (See Olds and Thomas, assignors.)
- Repelaw, M. A., New York, N. Y. Card-index. No. 892,890; July 7; Sp. p. 1003; Dr. pp. 210-11; Gaz. vol. 135; p. 167.
- Replogle, J. B., Chicago, Ill., assignor to J. Saltzman. Clothes-pressing machine. No. 882,841; Mar. 24; Sp. p. 4670; Dr. pp. 993-4; Gaz. vol. 133; p. 864.
- Replogle, M. A., and H. C. Hale, Akron, Ohio, assignors to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Turbine water-wheel. No. 894,463; July 28; Sp. p. 4367; Dr. p. 901; Gaz. vol. 135; p. 765.
- Repp, G., New York, N. Y. Bake-oven. No. 888,034; May 19; Sp. p. 3439; Dr. pp. 722-3; Gaz. vol. 134; p. 618.
- Repp, H. J., Topeka, Kans. Calipers. No. 907,527; Dec. 22; Sp. p. 4691; Gaz. vol. 137; p. 1857.
- Reppell, L. G., Kansas City, Mo. Key-fastener. No. 889,967; June 9; Sp. p. 1535; Dr. p. 347; Gaz. vol. 134; p. 1332.
- Reppell, L. G., Kansas City, Mo. Key-fastener. No. 907,285; Dec. 22; Sp. p. 4225; Gaz. vol. 137; p. 1777.
- Reppert, R. von, St. Louis, Mo. Computing-machine. No. 885,522; Apr. 21; Sp. p. 3778; Dr. pp. 795-9; Gaz. vol. 133; p. 1854.
- Repsold, P., Riga, Russia. Drilling apparatus. No. 886,862; May 5; Sp. p. 1057; Dr. p. 222; Gaz. vol. 134; p. 174.
- Republic Metalware Company. (See Detmers, S., assignor.)
- Republic Rubber Company. (See Mell, T. J., assignor.)
- Réquillart, E., Levallois-Perret, France. Folding bit-stock. No. 884,856; Apr. 14; Sp. p. 2449; Dr. p. 515; Gaz. vol. 133; p. 1609.
- Reschke, B. G., Hamburg, Germany. Safety-explosive. No. 882,910; Mar. 24; Sp. p. 4821; Gaz. vol. 133; p. 887.
- Rese, J. H., Washington, D. C. Apparatus for making bottle caps or stoppers. No. 892,085; June 30; Sp. p. 5880; Dr. p. 1266; Gaz. vol. 134; p. 2124.
- Rese, J. H., Washington, D. C. Bottle cap or stopper. No. 892,086; June 30; Sp. p. 5883; Dr. p. 1266; Gaz. vol. 134; p. 2124.
- Resler, A. D. (See Brumberg and Resler.)
- Resler, A. D., Montesano, Wash. Shoe-case. No. 880,827; Mar. 3; Sp. p. 698; Dr. p. 147; Gaz. vol. 133; p. 118.
- Retallack, J., assignor of one-half to J. H. Redfield, Denver, Colo. Tunneling-machine. No. 906,741; Dec. 15; Sp. p. 3139; Gaz. vol. 137; p. 1565.
- Rettig, G. Jr. (See Daniels, R. F., assignor.)
- Rettig, G. Jr. (See Nuernberger and Rettig.)
- Rettig, J. E., Reading, Pa. Hollow building-block. No. 901,833; Oct. 20; Sp. p. 3701; Dr. p. 751; Gaz. vol. 136; p. 1712.
- Reuchlin, O., Stuttgart, Germany. Grindstone for grinding or smoothing lithographic stones. No. 886,640; May 5; Sp. p. 585; Dr. p. 122; Gaz. vol. 134; p. 103.
- Reunerfelt, G., Scranton, Pa. Steam-driven pump. No. 904,449; Nov. 17; Sp. p. 3917; Gaz. vol. 137; p. 695.
- Reuter, A., New York, N. Y. Fire-escape. No. 876,840; Jan. 14; Sp. p. 2332; Dr. p. 512; Gaz. vol. 132; p. 412.
- Reuter, J. (See Babcock and Reuter.)
- Reuter, J., Rochester, N. Y. Automatic signaling mechanism. No. 883,829; Apr. 7; Sp. p. 317; Dr. pp. 59-00; Gaz. vol. 133; p. 1242.
- Reuter, J. C., New York, N. Y., assignor to Reuter Manufacturing Company, Pleasantville, N. J. Rotary motor. No. 876,396; Jan. 14; Sp. p. 1419; Dr. pp. 306-7; Gaz. vol. 132; p. 265.
- Reuter Manufacturing Company. (See Reuter, J. C., assignor.)
- Reuther, R. G., Detroit, Mich. Reinforced concrete construction. No. 877,734; Jan. 28; Sp. p. 4185; Dr. p. 907; Gaz. vol. 132; p. 769.
- Reverdy, C., New York, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Separating electrodeposited metals from lead matrices. No. 903,404; Nov. 10; Sp. p. 1721; Gaz. vol. 137; p. 315.
- Revoir, B., assignor of two-thirds to R. B. Smith and E. G. Lathrop, Syracuse, N. Y. Door lock and latch mechanism. No. 897,660; Sept. 1; Sp. p. 845; Dr. pp. 178-9; Gaz. vol. 136; p. 136.
- Revolute Machine Company. (See Everett and McAdam, assignors.)
- Rex Buggy Company. (See Hull, M. R., assignor.)
- Rex Light and Stove Company. (See Tures, W., assignor.)
- Rexer, F., Philadelphia, Pa. Cake-cutting guide and gage. No. 892,552; July 7; Sp. p. 307; Dr. p. 67; Gaz. vol. 135; p. 58.
- Rexer, W. H., Degraff, Ohio. Dipper. No. 877,372; Jan. 21; Sp. p. 3459; Dr. p. 751; Gaz. vol. 132; p. 631.
- Rey, J. A., Paris, France. Reflector for search-lights. No. 892,087; June 30; Sp. p. 5884; Dr. p. 1267; Gaz. vol. 134; p. 2124.
- Reyburn, J. E. (See Rankin, W. K., assignor.)
- Reyer, S. C., Carthage, Ill. Skewer. No. 898,926; Sept. 15; Sp. p. 3343; Dr. p. 717; Gaz. vol. 136; p. 608.
- Reynolds, A., administratrix. (See Reynolds, E. E.)
- Reynolds, A. J., Cleveland, Ohio. Ticket. No. 897,783; Sept. 1; Sp. p. 1096; Dr. p. 235; Gaz. vol. 136; p. 175.
- Reynolds, A. L. and G. A., Huntington Beach, Cal. Wave-power apparatus. No. 875,950; Jan. 7; Sp. p. 499; Dr. p. 108; Gaz. vol. 132; p. 91.
- Reynolds, C. (See Butler, Reynolds, and Seaman.)
- Reynolds, C., Jersey City Heights, N. J. Necktie slip device. No. 883,483; Mar. 31; Sp. p. 5999; Dr. p. 1280; Gaz. vol. 133; p. 1106.
- Reynolds, C. and A. J. Seaman, Boston, assignors to themselves and D. W. Howland, Brookline, Mass. Machine for inserting wires in package-handles. No. 891,734; June 23; Sp. p. 5177; Dr. pp. 1118-19; Gaz. vol. 134; p. 1977.
- Reynolds, C. B. (See Barnes, Williams, and Reynolds.)
- Reynolds, C. F. (See Fisher and Reynolds.)
- Reynolds, C. H., Alpena, Mich. Bag filling and weighing machine. No. 876,092; Jan. 7; Sp. p. 797; Dr. p. 170; Gaz. vol. 132; p. 135.
- Reynolds, C. H., Rochester, N. Y. Packing. No. 889,807; June 2; Sp. p. 1197; Dr. p. 277; Gaz. vol. 134; p. 1254.
- Reynolds, C. H., Milan, Mo. Circular-saw sharpener. No. 905,924; Dec. 8; Sp. p. 1605; Gaz. vol. 137; p. 1277.
- Reynolds, C. J., Melrose, Mass. Seal. No. 891,502; June 23; Sp. p. 4696; Dr. p. 1017; Gaz. vol. 134; p. 1901.
- Reynolds, C. W., assignor to Browne & Dowd Mfg. Co., Meriden, Conn. Combination-tool. No. 896,577; Aug. 18; Sp. p. 3578; Dr. p. 770; Gaz. vol. 135; p. 1528.
- Reynolds, D. A., New York, N. Y. Cable-hanger. No. 879,586; Feb. 18; Sp. p. 3488; Dr. p. 731; Gaz. vol. 132; p. 1475.
- Reynolds, E. E., deceased, Clinton, Iowa; A. Reynolds, administratrix. Insect-killer. No. 894,697; July 28; Sp. p. 4825; Dr. p. 1002; Gaz. vol. 135; p. 842.
- Reynolds, F., Syracuse, N. Y. Starting device for gasoline-engines. No. 899,618; Sept. 29; Sp. p. 4705; Dr. pp. 1008-9; Gaz. vol. 136; p. 896.
- Reynolds, F. C., Columbus, Ohio. Vestibule-door and platform controlling mechanism. No. 876,397; Jan. 14; Sp. p. 1429; Dr. p. 307; Gaz. vol. 132; p. 265.

Alphabetical list of patentees—Continued.

- Reynolds, F. D., and J. Sachs, assignors to Sachs Company, Hartford, Conn. Safety-fuse. No. 901,261; Oct. 13; Sp. p. 2449; Dr. p. 502; Gaz. vol. 136; p. 1486.
- Reynolds, G. A. (See Reynolds, A. L. and G. A.)
- Reynolds, G. H., Mansfield Depot, Conn., assignor to Reynolds Ice Machine Company, New York, N. Y. Piston. No. 903,886; Nov. 17; Sp. p. 2736; Gaz. vol. 137; p. 505.
- Reynolds, H. A., Woonsocket, R. I., assignor to Electric Compositor Company, New York, N. Y. Notch-chamfering machine for matrices. No. 904,995; Nov. 24; Sp. p. 5070; Gaz. vol. 137; p. 904.
- Reynolds, H. A., Woonsocket, R. I., assignor to Electric Compositor Company, New York, N. Y. Corner-chamfering machine for matrices. No. 904,996; Nov. 24; Sp. p. 5074; Gaz. vol. 137; p. 905.
- Reynolds, H. C., assignor of one-half to A. J. De Laney, Portersville, Cal. Trolley. No. 882,966; Mar. 24; Sp. p. 4928; Dr. p. 1046; Gaz. vol. 133; p. 906.
- Reynolds, H. J., Bettie, Tex. Belt. No. 878,897; Feb. 11; Sp. p. 2103; Dr. p. 438; Gaz. vol. 132; p. 1212.
- Reynolds, H. S., assignor to E. C. Seaman and E. R. Gilman, Brooklyn, N. Y. Barrel or receptacle. No. 881,951; Mar. 17; Sp. p. 2934; Dr. p. 626; Gaz. vol. 133; p. 542.
- Reynolds, H. W., assignor of one-fourth to S. C. Ross, New York, N. Y. Coffee-percolator. No. 894,746; July 28; Sp. p. 4907; Dr. p. 1021; Gaz. vol. 135; p. 856.
- Reynolds, I. H. (See Norton and Reynolds.)
- Reynolds Ice Machine Company. (See Reynolds, G. H., assignor.)
- Reynolds, J. H. (See McDonagh and Reynolds.)
- Reynolds, J. L., Cleburne, Tex. Railway-switch. No. 889,485; June 2; Sp. p. 604; Dr. p. 141; Gaz. vol. 134; p. 1152.
- Reynolds, J. N., Anita, Iowa. Safety device for gas-burners. No. 880,097; Feb. 25; Sp. p. 4554; Dr. p. 959; Gaz. vol. 132; p. 1675.
- Reynolds, L. B. (See Reynolds, L. E. and L. B.)
- Reynolds, L. E. and L. B., Grand Rapids, Mich.; said L. B. Reynolds assignor to said L. E. Reynolds. Basket. No. 886,308; Apr. 28; Sp. p. 5405; Dr. p. 1135; Gaz. vol. 133; p. 2142.
- Reynolds, L. G., Dayton, Ohio. Carton. No. 894,396; July 28; Sp. p. 4233; Dr. p. 893; Gaz. vol. 135; p. 743.
- Reynolds, M. G., Anderson, Ind. Pressure-regulator. No. 880,402; Feb. 25; Sp. p. 5177; Dr. p. 1091; Gaz. vol. 132; p. 1776.
- Reynolds, R. V. R., Salt Lake City, Utah. Device for attaching engineering instruments to their supports. No. 891,952; June 30; Sp. p. 5657; Dr. p. 1218; Gaz. vol. 134; p. 2084.
- Reynolds, S. W., West Toledo, Ohio. Slip-clip. No. 878,670; Feb. 11; Sp. p. 1663; Dr. p. 342; Gaz. vol. 132; p. 1139.
- Reynolds, S. W., West Toledo, Ohio. Trace-splice. No. 902,911; Nov. 3; Sp. p. 767; Gaz. vol. 137; p. 127.
- Reynolds, W. E. (See Tomkies, A. G., assignor.)
- Reynolds, W. H., assignor to Melink Manufacturing Company, Toledo, Ohio. Swinging desk-stand. No. 892,264; July 14; Sp. p. 1773; Dr. p. 373; Gaz. vol. 135; p. 320.
- Reynolds, W. J., Selma, Ala. Dentist's tool. No. 907,882; Dec. 29; Sp. p. 5454; Gaz. vol. 137; p. 2004.
- Reynolds, W. N., Litchfield, Conn. Rail-lock and tie-plate. No. 886,248; Apr. 28; Sp. p. 5276; Dr. p. 1111; Gaz. vol. 133; p. 2120.
- Reynolds, W. N., Litchfield, Conn. Name-holder for umbrellas or other portable articles. No. 887,692; May 12; Sp. p. 2746; Dr. p. 580; Gaz. vol. 134; p. 474.
- Reznicek, A., Jersey City, N. J., assignor to C. Bloomberg, New York, N. Y. Garter-clasp. No. 885,290; Apr. 21; Sp. p. 3335; Dr. p. 696; Gaz. vol. 133; p. 1781.
- Rhea, M. T., Emlenton, assignor of one-half to H. C. Heeter, Callensburg, Pa. Dinner-pail. No. 905,581; Dec. 1; Sp. p. 946; Gaz. vol. 137; p. 1134.
- Rhedin, Goldkuhl & Co. (See Nerén, J., assignor.)
- Rheinische Metallwaren und Maschinenfabrik. (See Völler, K., assignor.)
- Rheutan, G. H., Fitchburg, assignor of one-half to R. B. Lincoln, Waltham, Mass. Boiler tube-sheet. No. 896,045; Aug. 11; Sp. p. 2535; Dr. p. 548; Gaz. vol. 135; p. 1335.
- Rhinehart, C., Lima, Ohio. Boring-machine. No. 907,883; Dec. 29; Sp. p. 5454; Gaz. vol. 137; p. 2004.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Slasher. No. 877,863; Jan. 28; Sp. p. 4416; Dr. p. 962; Gaz. vol. 132; p. 816.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Bobbin-holder. No. 884,759; Apr. 14; Sp. p. 2249; Dr. p. 473; Gaz. vol. 133; p. 1577.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. No. 885,179; Apr. 21; Sp. p. 3110; Dr. p. 655; Gaz. vol. 133; p. 1743.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. No. 887,425; May 12; Sp. p. 2242; Dr. p. 469; Gaz. vol. 134; p. 387.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Thin-place-detector-releasing means for looms. No. 887,963; May 19; Sp. p. 3304; Dr. p. 694; Gaz. vol. 134; p. 595.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Twister stop-motion. No. 888,740; May 26; Sp. p. 4834; Dr. p. 1032; Gaz. vol. 134; p. 878.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. No. 889,808; June 2; Sp. p. 1198; Dr. p. 277; Gaz. vol. 134; p. 1254.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. (Reissue.) No. 12,830; July 14; Sp. p. 2475; Dr. p. 515; Gaz. vol. 135; p. 427.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Filling-replenishing mechanism for looms. No. 895,682; Aug. 11; Sp. p. 1808; Dr. p. 385; Gaz. vol. 135; p. 1217.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Shuttle-feeler for filling-replenishing looms. No. 897,403; Sept. 1; Sp. p. 341; Dr. p. 72; Gaz. vol. 136; p. 52.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Thread-parting mechanism for looms. No. 897,404; Sept. 1; Sp. p. 343; Dr. p. 72; Gaz. vol. 136; p. 52.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Fork-grid for looms. No. 900,591; Oct. 6; Sp. p. 1108; Dr. p. 227; Gaz. vol. 136; p. 1243.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Spinning or twisting apparatus. No. 900,592; Oct. 6; Sp. p. 1109; Dr. p. 228; Gaz. vol. 136; p. 1244.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Filling-detecting mechanism for looms. No. 902,324; Oct. 27; Sp. p. 4718; Dr. p. 954; Gaz. vol. 136; p. 1901.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Automatic filling-replenishing loom. No. 902,325; Oct. 27; Sp. p. 4720; Dr. p. 955; Gaz. vol. 136; p. 1902.
- Rhoades, A. E., assignor to Draper Company, Hopedale, Mass. Starting and stopping mechanism for looms. No. 904,450; Nov. 17; Sp. p. 3919; Gaz. vol. 137; p. 695.
- Rhoades, L. J., Fond du Lac, Wis. Adjustable and extensible bracket. No. 877,373; Jan. 21; Sp. p. 3460; Dr. p. 751; Gaz. vol. 132; p. 631.
- Rhoads, E. A., Prairie View, Kans. Hay-stacker. No. 905,368; Dec. 1; Sp. p. 478; Gaz. vol. 137; p. 1064.
- Rhode Island Fiber Spool Company. (See Wood, F. B., assignor.)
- Rhodes, A. B., Marion, Ohio. Mail-box. No. 898,507; Sept. 15; Sp. p. 2555; Dr. p. 548; Gaz. vol. 136; p. 472.
- Rhodes, C. H., Cold Brook, N. Y. Adjustable chair. No. 900,593; Oct. 6; Sp. p. 1113; Dr. p. 228; Gaz. vol. 136; p. 1244.
- Rhodes, C. J., Wakefield, England. Double-seaming machine for cans. No. 888,264; May 19; Sp. p. 3862; Dr. p. 812; Gaz. vol. 134; p. 692.
- Rhodes, C. W., assignor of one-half to H. G. Elliott, Buena Vista, Va. Automatic air-brake hose-coupling. No. 905,582; Dec. 1; Sp. p. 947; Gaz. vol. 137; p. 1134.
- Rhodes, E., assignor of one-half to J. W. P. Reid, Dresden, Ohio. Core for building-blocks. No. 879,066; Feb. 11; Sp. p. 2400; Dr. p. 502; Gaz. vol. 132; p. 1264.
- Rhodes, F. C., New York, N. Y. Check-book. No. 889,719; June 2; Sp. p. 1045; Dr. p. 241; Gaz. vol. 134; p. 1226.
- Rhodes, F. C., New York, N. Y. Pocket check-book. No. 895,300; Aug. 4; Sp. p. 1074; Dr. p. 225; Gaz. vol. 135; p. 1076.
- Rhodes, J. B., Harrisburg, Pa. Automatic stop-motion for knitting-machines. No. 894,698; July 28; Sp. p. 4826; Dr. pp. 1002-3; Gaz. vol. 135; p. 842.
- Rhodes, J. B., assignor to W. Shakespeare, Jr., Kalamazoo, Mich. Artificial bait. No. 882,344; Mar. 17; Sp. p. 3714; Dr. p. 789; Gaz. vol. 133; p. 669.
- Rhodes, J. E., New York, N. Y. Supporter device. No. 903,230; Nov. 10; Sp. p. 1397; Gaz. vol. 137; p. 258.
- Rhodes, L., Spokane, Wash. Yieldable gearing for traction-wheels. No. 883,741; Apr. 7; Sp. p. 123; Dr. p. 22; Gaz. vol. 133; p. 1213.
- Rhodes, L. E., Hartford, Conn. Vehicle-washer. No. 892,443; July 7; Sp. p. 116; Dr. p. 26; Gaz. vol. 135; p. 23.
- Rhodes, L. V., Altoona, Pa. Needle-threader. No. 879,003; Feb. 11; Sp. p. 2296; Dr. p. 479; Gaz. vol. 132; p. 1244.
- Rhodes, O. A. (See Felton, A. K., assignor.)
- Rhodes, R. L., assignor of one-half to G. B. Webb, Kinston, N. C. Smoke-conveyer for railway-trains. No. 884,342; Apr. 7; Sp. p. 1350; Dr. p. 288; Gaz. vol. 133; p. 1409.

Alphabetical list of patentees—Continued.

- Rhodes, W. E., Corry, Pa. Tablet-holder. No. 887,126; May 12; Sp. p. 1565; Dr. p. 332; Gaz. vol. 134; p. 287.
- Rhodes, W. H., Brandenburg, assignor of one-half to G. Storms, Louisville, Ky. Automatic power-releasing device for draft-engines. No. 882,419; Mar. 17; Sp. p. 3832; Dr. p. 818; Gaz. vol. 133; p. 692.
- Rhodin, B. E. F., Sault Ste. Marie, Ontario, Canada. Electrolytic apparatus. No. 885,083; Apr. 21; Sp. p. 2885; Dr. p. 612; Gaz. vol. 133; p. 1712.
- Rhorer, C. E., Columbus, Ind. Clip for structural ironwork. No. 879,905; Feb. 25; Sp. p. 4190; Dr. p. 875; Gaz. vol. 132; p. 1613.
- Rhorer, C. E., Columbus, Ind. Sash-weight. No. 879,906; Feb. 25; Sp. p. 4191; Dr. p. 875; Gaz. vol. 132; p. 1613.
- Rhorer, C. E., Columbus, Ind. Rotary engine. No. 882,168; Mar. 17; Sp. p. 3386; Dr. p. 720; Gaz. vol. 133; p. 612.
- Rhoulst, J. A., assignor of one-half to H. W. Spaulding, Haverhill, Mass. Sewing shoe-soles to uppers. No. 891,291; June 23; Sp. p. 4258; Dr. p. 932; Gaz. vol. 134; p. 1832.
- Rhoulst, J. A., assignor of one-half to H. W. Spaulding, Haverhill, Mass. Molding-machine. No. 899,073; Sept. 22; Sp. p. 3616; Dr. pp. 774-5; Gaz. vol. 136; p. 682.
- Riblet, B. C., Spokane, Wash. Cable-hoist conveyer. No. 878,157; Feb. 4; Sp. p. 517; Dr. p. 111; Gaz. vol. 132; p. 935.
- Riblet, B. C., St. Louis, Mo. Game-ball. No. 906,932; Dec. 15; Sp. p. 3510; Gaz. vol. 137; p. 1625.
- Riblet, G. E., Erie, Pa. Steam-engine. No. 901,472; Oct. 20; Sp. p. 2950; Dr. pp. 602-3; Gaz. vol. 136; p. 1594.
- Rice, A. B., Racine, Wis. Culinary boiler or steamer. No. 878,020; Feb. 4; Sp. p. 265; Dr. p. 57; Gaz. vol. 132; p. 891.
- Rice, A. C., assignor to Vellumoid Paper Company, Worcester, Mass. Treating-tank for paper. No. 889,741; May 26; Sp. p. 4836; Dr. pp. 1032-3; Gaz. vol. 134; p. 878.
- Rice, A. C., assignor to Vellumoid Paper Company, Worcester, Mass. Tank for treating glutinous material. No. 903,775; Nov. 10; Sp. p. 2476; Gaz. vol. 137; p. 434.
- Rice, A. C., assignor to Vellumoid Paper Company, Worcester, Mass. Drier for paper. No. 903,776; Nov. 10; Sp. p. 2478; Gaz. vol. 137; p. 434.
- Rice, A. L., Wright, Iowa. Bracket. No. 883,742; Apr. 7; Sp. p. 125; Dr. p. 22; Gaz. vol. 133; p. 1213.
- Rice, C. E., Livermore, Ky. Curtain-stretcher and clothes-drier. No. 879,004; Feb. 11; Sp. p. 2297; Dr. p. 479; Gaz. vol. 132; p. 1245.
- Rice, C. F., Springfield, Mass. Folding car-step. No. 908,137; Dec. 29; Sp. p. 5998; Gaz. vol. 137; p. 2087.
- Rice, D. H. (See Bibb, C. E., assignor.)
- Rice, E. E., New Durham, N. H., assignor to Osborn Manufacturing Company, Cleveland, Ohio. Brush. No. 894,053; July 21; Sp. p. 3509; Dr. p. 719; Gaz. vol. 135; p. 610.
- Rice, E. E., New Durham, N. H., assignor to Osborn Manufacturing Company, Cleveland, Ohio. Stand for Christmas trees and the like. No. 904,227; Nov. 17; Sp. p. 3466; Gaz. vol. 137; p. 622.
- Rice, E. J., Rochester, N. Y. Water-closet connection. No. 900,594; Oct. 6; Sp. p. 1114; Dr. p. 228; Gaz. vol. 136; p. 1244.
- Rice, E. J. A., Harvard, Nebr. Gate. No. 904,047; Nov. 24; Sp. p. 4343; Gaz. vol. 137; p. 789.
- Rice, E. W., Jr., Schenectady, N. Y., assignor to General Electric Company. Flat-iron stove. No. 905,459; Dec. 1; Sp. p. 695; Gaz. vol. 137; p. 1096.
- Rice, F. M., Dows, and A. W. Hill, Bellmond, Iowa. Automatic electric railway switching device. No. 888,929; May 26; Sp. p. 5261; Dr. p. 1116; Gaz. vol. 134; p. 942.
- Rice, G. B., Sewickley, Pa. Elevator safety device. No. 890,797; June 16; Sp. p. 3273; Dr. p. 717; Gaz. vol. 134; p. 1640.
- Rice, G. F., Holliston, Mass. Holdback or breeching strap. No. 897,537; Sept. 1; Sp. p. 654; Dr. p. 137; Gaz. vol. 136; p. 102.
- Rice, G. M., Worcester, Mass. Treating complex ores containing zinc and other volatilizable metals for the production of oxids. No. 899,322; Sept. 22; Sp. p. 4116; Dr. p. 880; Gaz. vol. 136; p. 763.
- Rice, H. L., Quincy, assignor to Rice & Hutchins, Incorporated, Boston, Mass. Channeling-tool. No. 884,043; Apr. 7; Sp. p. 760; Dr. p. 158; Gaz. vol. 133; p. 1314.
- Rice & Hutchins. (See Rice, H. L., assignor.)
- Rice, I. H., Los Angeles, Cal. Binder. No. 885,648; Apr. 21; Sp. p. 4065; Dr. p. 849; Gaz. vol. 133; p. 1893.
- Rice, J., Saineville, Ohio. Force-feed lubricating-pump. No. 895,683; Aug. 11; Sp. p. 1811; Dr. pp. 385-6; Gaz. vol. 135; p. 1218.
- Rice, J. E. (See Keeley, N. K., assignor.)
- Rice, J. H., Ashtabula, Ohio. Greenhouse construction. No. 884,208; Apr. 7; Sp. p. 1120; Dr. p. 235; Gaz. vol. 133; p. 1367.
- Rice, J. T., and C. King, West Hoboken, assignors to King, Rice and Ganey, Weehawken, N. J. Apparatus for aligning conduit-sections. No. 890,453; June 9; Sp. p. 2524; Dr. p. 538; Gaz. vol. 134; p. 1492.
- Rice, J. V., Jr., Bordentown, N. J. Gas-engine governor. No. 878,826; Feb. 11; Sp. p. 1961; Dr. pp. 405-6; Gaz. vol. 132; p. 1189.
- Rice, J. V., Jr., Bordentown, N. J. Igniting device for gas-engines. No. 881,952; Mar. 17; Sp. p. 2935; Dr. p. 626; Gaz. vol. 133; p. 542.
- Rice, J. V., Jr., Bordentown, N. J. Igniting device for gas-engines. No. 881,953; Mar. 17; Sp. p. 2937; Dr. p. 626; Gaz. vol. 133; p. 542.
- Rice, J. V., Jr., Bordentown, N. J. Igniting device for gas-engines. No. 881,954; Mar. 17; Sp. p. 2938; Dr. p. 627; Gaz. vol. 133; p. 542.
- Rice, J. V., Jr., Bordentown, N. J. Igniting device for gas-engines. No. 882,716; Mar. 24; Sp. p. 4424; Dr. p. 940; Gaz. vol. 133; p. 824.
- Rice, J. V., Jr., Bordentown, N. J., assignor to A. E. Tower, Poughkeepsie, and F. E. Tasker, New York, N. Y. Hydrocarbon rock-drill. No. 886,407; May 5; Sp. p. 133; Dr. p. 27; Gaz. vol. 134; p. 27.
- Rice, J. W., Atlanta, Ga. Adjustable stand. No. 898,263; Sept. 8; Sp. p. 2084; Dr. p. 443; Gaz. vol. 136; p. 360.
- Rice, J. W., and J. Fulton, King City, Mo. Antitwisting draft means for harrows and thelike. No. 891,953; June 30; Sp. p. 5659; Dr. p. 1218; Gaz. vol. 134; p. 2084.
- Rice, M. A. (See Sapper, C. H., assignor.)
- Rice, M. J. (See Rice, R. H., assignor.)
- Rice, N. B., assignor of one-half to A. D. Plamondon, Chicago, Ill. Check-protector. No. 878,021; Feb. 4; Sp. p. 267; Dr. pp. 57-8; Gaz. vol. 132; p. 892.
- Rice, N. E., Zenia, Cal. Sawmill set-works. No. 877,662; Jan. 28; Sp. p. 4053; Dr. pp. 876-7; Gaz. vol. 132; p. 747.
- Rice, N. E., Zenia, Cal. Sawmill set-works. No. 884,209; Apr. 7; Sp. p. 1122; Dr. pp. 235-6; Gaz. vol. 133; p. 1368.
- Rice, O., San Francisco, Cal. Door-check. No. 877,123; Jan. 21; Sp. p. 2964; Dr. p. 641; Gaz. vol. 132; p. 549.
- Rice, O. R., New York, N. Y. Air moistener and evaporator. No. 902,835; Nov. 3; Sp. p. 609; Gaz. vol. 137; p. 103.
- Rice, R. H. (See Callan and Rice.)
- Rice, R. H., Lynn, Mass., assignor to General Electric Company. Governing mechanism for turbines. No. 881,869; Mar. 10; Sp. p. 2745; Dr. pp. 538-9; Gaz. vol. 133; p. 485.
- Rice, R. H., Lynn, Mass., assignor to General Electric Company. Regulating-valve for turbines. No. 881,871; Mar. 10; Sp. p. 2754; Dr. p. 590; Gaz. vol. 133; p. 486.
- Rice, R. H., Lynn, Mass., assignor to General Electric Company. Means for cooling dynamo-electric machines. No. 895,894; Aug. 11; Sp. p. 2235; Dr. p. 477; Gaz. vol. 135; p. 1285.
- Rice, R. H., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 905,749; Dec. 1; Sp. p. 1259; Gaz. vol. 137; p. 1189.
- Rice, R. H., Swampscott, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 881,870; Mar. 10; Sp. p. 2750; Dr. p. 589-90; Gaz. vol. 133; p. 486.
- Rice, R. H., Milwaukee, assignor to M. J. Rice, Kewaunee, Wis. Tonsilotome. No. 907,090; Dec. 15; Sp. p. 3784; Gaz. vol. 137; p. 1673.
- Rice, R. H., Swampscott, and F. R. C. Boyd, Lynn, Mass., assignors to General Electric Company. Power-transmitting mechanism. No. 901,473; Oct. 20; Sp. p. 2953; Dr. pp. 603-4; Gaz. vol. 136; p. 1595.
- Rice, T. B., Jr., Philadelphia, Pa. Clutch. No. 882,911; Mar. 24; Sp. p. 4822; Dr. p. 1024; Gaz. vol. 133; p. 887.
- Rice, T. F., Tustin, assignor of three-sixths to E. V. Lewis and W. H. Faust, Los Angeles, Cal. Means for preventing double exposures. No. 903,405; Nov. 10; Sp. p. 1723; Gaz. vol. 137; p. 315.
- Rice, W. F., Quincy, Mass., assignor to General Electric Company. Turbine-bucket. No. 905,460; Dec. 1; Sp. p. 697; Gaz. vol. 137; p. 1096.
- Rice, W. H., Benton Harbor, Mich. Tire-protector. No. 906,933; Dec. 15; Sp. p. 3512; Gaz. vol. 137; p. 1625.
- Rice, W. P., Chicago, Ill. Maltng apparatus. No. 885,291; Apr. 21; Sp. p. 3336; Dr. pp. 697-8; Gaz. vol. 133; p. 1781.
- Rice, W. T., Gravette, Ark. Device for cleaning combs. No. 884,044; Apr. 7; Sp. p. 761; Dr. p. 159; Gaz. vol. 133; p. 1314.
- Rieh, A. R., East Eddington, Me. Rail-joint. No. 875,735; Jan. 7; Sp. p. 111; Dr. p. 24; Gaz. vol. 132; p. 23.
- Rich, C. C., assignor of one-half to H. J. Douglas, Mount Vernon, N. Y. Apparatus for releasing horses. No. 895,199; Aug. 4; Sp. p. 849; Dr. p. 178; Gaz. vol. 135; p. 1035.
- Rich, E. M., Glidden, Iowa. Boot and shoe cleaner. No. 905,583; Dec. 1; Sp. p. 951; Gaz. vol. 137; p. 1135.
- Rich, F., Providence, R. I. Expansion-pin. No. 903,777; Nov. 10; Sp. p. 2484; Gaz. vol. 137; p. 435.
- Rich, F. G., London, assignor to C. J. Ross, Exeter, England. Garment. No. 906,658; Dec. 15; Sp. p. 2975; Gaz. vol. 137; p. 1537.
- Rich, G. R., Chicago, Ill., assignor to Whitman & Barnes Manufacturing Company, Akron, Ohio. Drill-chuck. No. 876,016; Jan. 7; Sp. p. 642; Dr. p. 137; Gaz. vol. 132; p. 111.
- Rich, G. R., Buchanan, Mich., assignor to Celfor Tool Company. Drilling apparatus. No. 884,760; Apr. 14; Sp. p. 2250; Dr. p. 474; Gaz. vol. 133; p. 1578.
- Rich, S. M., Altadena, Cal. Floor polishing and finishing machine. No. 875,736; Jan. 7; Sp. p. 112; Dr. p. 24; Gaz. vol. 132; p. 23.
- Rich, T. W., San Diego, Cal. Switch-operating device. No. 887,426; May 12; Sp. p. 2243; Dr. p. 170; Gaz. vol. 134; p. 388.
- Rich, W., New York, N. Y. Marine fire-indicating system and extinguisher. No. 892,088; June 30; Sp. p. 5385; Dr. p. 1267; Gaz. vol. 134; p. 2124.

Alphabetical list of patentees—Continued.

- Richan, W. B. (See Yates, Devey, Richan, and Devey.)
- Richard, A., Milan, Italy. Insulator. No. 893,265; July 14; Sp. p. 1774; Dr. p. 373; Gaz. vol. 135; p. 320.
- Richard, A. J., *et al.* (See Babin, H., assignor.)
- Richard, G. J., assignor to Noera Manufacturing Company, Waterbury, Conn. Can-spout. No. 884,761; Apr. 14; Sp. p. 2254; Dr. p. 474; Gaz. vol. 133; p. 1578.
- Richard, H., Hooper, Colo. Press. No. 903,003; Nov. 3; Sp. p. 951; Gaz. vol. 137; p. 157.
- Richard, J., Coaticook, Quebec, assignor of one-half to F. X. E. Boudreau, Sherbrook, Canada. Fire-extinguisher. No. 904,013; Nov. 17; Sp. p. 2999; Gaz. vol. 137; p. 547.
- Richard, J. A. (See Kosicky, W., assignor.)
- Richard, J. H., assignor of one-half to W. J. Corby, Niagara Falls, Ontario, Canada. Non-refillable bottle. No. 903,504; Nov. 10; Sp. p. 1939; Gaz. vol. 137; p. 349.
- Richards, A. H., and R. C. Kittinger, Buffalo, N. Y. Lock for sliding doors. No. 906,289; Dec. 8; Sp. p. 2303; Gaz. vol. 137; p. 1396.
- Richards, C. B. (See Greve and Richards.)
- Richards, C. B., assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Stoneworking-tool. No. 884,419; Apr. 14; Sp. p. 1512; Dr. p. 324; Gaz. vol. 133; p. 1464.
- Richards, C. B., assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Impact-tool. No. 904,724; Nov. 24; Sp. p. 4503; Gaz. vol. 137; p. 814.
- Richards, C. B., assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Impact-tool. No. 904,725; Nov. 24; Sp. p. 4507; Gaz. vol. 137; p. 815.
- Richards, C. B., assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Impact-tool. No. 904,726; Nov. 24; Sp. p. 4509; Gaz. vol. 137; p. 815.
- Richards, C. H., assignor of three-fourths to L. Armstrong, Chicago, Ill. Making cereal food products. No. 901,647; Oct. 20; Sp. p. 3299; Dr. p. 677; Gaz. vol. 136; p. 1651.
- Richards, D. W., *et al.* (See Chesterman, W., assignor.)
- Richards, E. L., Litchfield, Conn. Headlight for horses. No. 878,898; Feb. 11; Sp. p. 2104; Dr. p. 433; Gaz. vol. 132; p. 1212.
- Richards, E. L., assignor to John Wyeth and Brother, Incorporated, Philadelphia, Pa. Tablet-machine. No. 900,957; Oct. 13; Sp. p. 1895; Dr. pp. 385-6; Gaz. vol. 136; p. 1390.
- Richards, E. R., Land, assignor of one-half to J. V. Vincent, Columbia City, Ind. Hand-sprayer. No. 905,102; Nov. 24, Sp. p. 5284; Gaz. vol. 137; p. 940.
- Richards, F. H., Hartford, Conn. Carving-machine. No. 881,956; Mar. 17; Sp. p. 2948; Dr. p. 628; Gaz. vol. 133; p. 543.
- Richards, F. H., Hartford, Conn. Carving-machine. No. 882,842; Mar. 24; Sp. p. 4673; Dr. pp. 994-5; Gaz. vol. 133; p. 864.
- Richards, F. H., Hartford, Conn. Intermittent-feed device. No. 885,292; Apr. 21; Sp. p. 3341; Dr. p. 698; Gaz. vol. 133; p. 1781.
- Richards, F. H., Hartford, Conn. Carving-machine. No. 885,293; Apr. 21; Sp. p. 3344; Dr. p. 699; Gaz. vol. 133; p. 1782.
- Richards, F. H., Hartford, Conn. Feed for automatic machines. No. 886,408; May 5; Sp. p. 141; Dr. pp. 28-9; Gaz. vol. 134; p. 28.
- Richards, F. H., Hartford, Conn. Carving-machine. No. 888,534; May 26; Sp. p. 4405; Dr. pp. 934-5; Gaz. vol. 134; p. 809.
- Richards, F. H. (See Batdorf, C. S., assignor.)
- Richards, F. H., Hartford, Conn. Adjusting and locking device. No. 892,623; July 7; Sp. p. 437; Dr. p. 95; Gaz. vol. 135; p. 80.
- Richards, F. H., Hartford, Conn. Variable-speed mechanism for chainless bicycles. No. 898,783; Sept. 15; Sp. p. 3085; Dr. pp. 661-2; Gaz. vol. 136; p. 561.
- Richards, F. H., Hartford, Conn. Milk-can. No. 899,762; Sept. 29; Sp. p. 4996; Dr. pp. 1070-1; Gaz. vol. 136; p. 943.
- Richards, F. H., Hartford, Conn. Adjustable tool-support. No. 902,169; Oct. 27; Sp. p. 4390; Dr. p. 889; Gaz. vol. 136; p. 1850.
- Richards, F. H., Hartford, Conn. Eyelet. No. 903,778; Nov. 10; Sp. p. 2485; Gaz. vol. 137; p. 435.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Typographic machine. No. 881,955; Mar. 17; Sp. p. 2940; Dr. p. 627; Gaz. vol. 133; p. 543.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Mechanism for making types. No. 886,327; Apr. 28; Sp. p. 5458; Dr. p. 1144; Gaz. vol. 133; p. 2149.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Apparatus for making types and lines of type. No. 886,328; Apr. 28; Sp. p. 5462; Dr. p. 1145; Gaz. vol. 133; p. 2150.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Manufacture of type-bars. No. 886,329; Apr. 28; Sp. p. 5467; Dr. p. 1145; Gaz. vol. 133; p. 2150.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Mechanism for making types and lines of type. No. 886,330; Apr. 28; Sp. p. 5470; Dr. p. 1146; Gaz. vol. 133; p. 2150.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Manufacture of type and type-bars. No. 886,331; Apr. 28; Sp. p. 5475; Dr. pp. 1146-7; Gaz. vol. 133; p. 2151.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Typographic machine. No. 892,624; July 7; Sp. p. 439; Dr. pp. 96-7; Gaz. vol. 135; p. 80.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Typographic machine. No. 892,891; July 7; Sp. p. 1005; Dr. pp. 211-12; Gaz. vol. 135; p. 167.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Mechanism for operating adjustable work-performing members. No. 902,326; Oct. 27; Sp. p. 4721; Dr. pp. 955-6; Gaz. vol. 136; p. 1902.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Mechanism for operating adjustable work-performing members. No. 902,327; Oct. 27; Sp. p. 4729; Dr. pp. 956-7; Gaz. vol. 136; p. 1902.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Mounting for adjustable working members. No. 902,328; Oct. 27; Sp. p. 4736; Dr. p. 957; Gaz. vol. 136; p. 1903.
- Richards, F. H., Hartford, Conn., assignor, by mesne assignments, to American Typographic Corporation. Mechanical movement. No. 902,329; Oct. 27; Sp. p. 4741; Dr. pp. 957-8; Gaz. vol. 136; p. 1903.
- Richards, G. C., Berkeley, assignor to Richards Gas and Fume Condenser Company, Oakland, Cal. Apparatus for condensing fumes and gases. No. 888,119; May 19; Sp. p. 3604; Dr. p. 755; Gaz. vol. 134; p. 644.
- Richards, G. C., Berkeley, assignor to Richards Gas and Fume Condenser Co., Oakland, Cal. Fume-condenser. No. 895,790; Aug. 11; Sp. p. 2043; Dr. p. 434; Gaz. vol. 135; p. 1252.
- Richards, G. D. (See Walters, H. G., assignor.)
- Richards, G. H., *et al.* (See Fowler, B. F., assignor.)
- Richards, G. L., Brookline, Mass., assignor, by mesne assignments, to Neilsen Mailing Machinery Company, Erie, Pa. Machine for feeding off newspapers. No. 900,782; Oct. 13; Sp. p. 1516; Dr. pp. 308-9; Gaz. vol. 136; p. 1332.
- Richards, G. M., Erie, Pa. Automatic pressure-governor. No. 899,263; Sept. 22; Sp. p. 4019; Dr. p. 858; Gaz. vol. 136; p. 745.
- Richards, G. O., and M. S. Miller, Cleveland, Ohio. Furnace. No. 893,196; July 14; Sp. p. 1642; Dr. p. 346; Gaz. vol. 135; p. 296.
- Richards Gas and Fume Condenser Company. (See Richards, G. C., assignor.)
- Richards, H. M., assignor to Womans Mutual Benefit Company, Joliet, Ill. Catamenial-sack support. No. 901,742; Oct. 20; Sp. p. 3532; Dr. p. 714; Gaz. vol. 136; p. 1684.
- Richards, J. C. N. (See Luce and Richards.)
- Richards, J. E. (See Hannes, B. M., assignor.)
- Richards, J. E., Dayton, Ohio. Union suit. No. 887,346; May 12; Sp. p. 2062; Dr. pp. 432-3; Gaz. vol. 134; p. 361.
- Richards, J. E., London, England, assignor of one-half to M. A. Berry, New York, N. Y. Apparatus for handling coal. No. 897,014; Aug. 25; Sp. p. 4525; Dr. p. 968; Gaz. vol. 135; p. 1695.
- Richards, J. E., Dayton, Ohio, assignor to Dayton Clothing Manufacturing Company. Union suit. No. 899,187; Sept. 22; Sp. p. 3850; Dr. pp. 823-4; Gaz. vol. 136; p. 720.
- Richards Manufacturing Company. (See Wise, J. V., assignor.)
- Richards, P. (See Dugas and Richards.)
- Richards, R., Akron, Ohio. Nut-locking device for rail-joints. No. 896,578; Aug. 18; Sp. p. 3579; Dr. p. 770; Gaz. vol. 135; p. 1529.
- Richards, R. H., Boston, Mass. Apparatus for separating and classifying minerals. No. 901,474; Oct. 20; Sp. p. 2957; Dr. pp. 604-5; Gaz. vol. 136; p. 1595.
- Richards, R. H., Boston, Mass. Jig. No. 901,475; Oct. 20; Sp. p. 2963; Dr. p. 605; Gaz. vol. 136; p. 1596.
- Richards, T., Philadelphia, Pa. Sash lock and adjuster. No. 881,719; Mar. 10; Sp. p. 2448; Dr. p. 526; Gaz. vol. 133; p. 436.
- Richards, V. I., East Orange, N. J., assignor to Strait & Richards, New York, N. Y. Column. No. 905,750; Dec. 1; Sp. p. 1263; Gaz. vol. 137; p. 1189.
- Richards, W. F., Bussey, Iowa. Wire-stretcher. No. 890,174; June 9; Sp. p. 1969; Dr. p. 434; Gaz. vol. 134; p. 1404.
- Richards, W. F., Buffalo, assignor to Gould Coupler Company, New York, N. Y. Car-coupling. No. 894,534; July 28; Sp. p. 4496; Dr. p. 932; Gaz. vol. 135; p. 787.
- Richards, W. F., Depew, assignor to Gould Coupler Company, New York, N. Y. Car-coupling. No. 894,535; July 28; Sp. p. 4498; Dr. p. 932; Gaz. vol. 135; p. 788.
- Richards, W. G., Hillsboro, Ohio. Package-binder. No. 894,054; July 21; Sp. p. 3510; Dr. p. 719; Gaz. vol. 135; p. 610.
- Richards, W. H., Canonsburg, Pa. Reworking tubes. No. 904,451; Nov. 17; Sp. p. 3921; Gaz. vol. 137; p. 695.

Alphabetical list of patentees—Continued.

- Richards, W. J., Norwood, Ohio, assignor to Allis-Chalmers Company. Ventilated laminated core for dynamo-electric machines. No. 890,577; June 9; Sp. p. 2767; Dr. p. 611; Gaz. vol. 134; p. 1534.
- Richards, W. J., Norwood, Ohio, assignor to Allis-Chalmers Company. Motor-controlling system. No. 894,232; July 28; Sp. p. 3874; Dr. p. 802; Gaz. vol. 135; p. 688.
- Richards, W. J., Norwood, Ohio, assignor to Allis-Chalmers Company. System of motor control. No. 894,233; July 28; Sp. p. 3881; Dr. p. 803; Gaz. vol. 135; p. 688.
- Richards, W. J., Milwaukee, Wis., assignor to Allis-Chalmers Company. Automatically-adjustable brush-holder. No. 900,884; Oct. 13; Sp. p. 1735; Dr. pp. 350-1; Gaz. vol. 136; p. 1366.
- Richards, W. J., assignor to National Electric Company, Milwaukee, Wis. Electrical conductor for dynamos. No. 905,230; Dec. 1; Sp. p. 221; Gaz. vol. 137; p. 1020.
- Richards, W. J., assignor to National Brake & Electric Company, Milwaukee, Wis. Combination pump and compressor system. No. 906,659; Dec. 15; Sp. p. 2976; Gaz. vol. 137; p. 1537.
- Richards, W. J., assignor to National Brake and Electric Company, Milwaukee, Wis. Motor-compressor. No. 907,884; Dec. 29; Sp. p. 5455; Gaz. vol. 137; p. 2004.
- Richards, W. T., Quincy, Mass. Lacing-hook. No. 884,682; Apr. 14; Sp. p. 2086; Dr. p. 445; Gaz. vol. 133; p. 1551.
- Richards, W. T., assignor of one-half to C. S. Chamberlain, C. D. Taylor, and J. McCoach, Colorado City, Colo. Quick-action triple valve for air-brakes. No. 886,409; May 5; Sp. p. 145; Dr. p. 29; Gaz. vol. 134; p. 28.
- Richardson, A. P. (See Whymann, H. O., assignor.)
- Richardson, B. M., Waxhaw, N. C. Garment-supporter. No. 884,210; Apr. 7; Sp. p. 1125; Dr. p. 236; Gaz. vol. 133; p. 1368.
- Richardson, C. D. (See Byron, J. H., assignor.)
- Richardson, C. F., Woonsocket, R. I., assignor to Mutschler Machine Company, Rochester, N. Y. Printing mechanism. No. 907,885; Dec. 29; Sp. p. 5462; Gaz. vol. 137; p. 2005.
- Richardson, C. G., Springfield, Vt., assignor to Parks & Woolson Machine Company. Cloth-measuring machine. No. 883,669; Mar. 31; Sp. p. 6367; Dr. p. 1357; Gaz. vol. 133; p. 1161.
- Richardson, D. S., New York, N. Y. Air-heating furnace. No. 893,197; July 14; Sp. p. 1643; Dr. p. 346; Gaz. vol. 135; p. 297.
- Richardson, E. A., Worcester, Mass. Coin-controlled lock. No. 895,583; Aug. 11; Sp. p. 1629; Dr. p. 343; Gaz. vol. 135; p. 1187.
- Richardson, E. H., assignor to Pacific Electric Heating Company, Ontario, Cal. Electric laundry-iron. No. 900,208; Oct. 6; Sp. p. 287; Dr. p. 58; Gaz. vol. 136; p. 1119.
- Richardson, E. H., assignor to Pacific Electric Heating Company, Ontario, Cal. Thermostat for electric heaters. No. 903,319; Nov. 10; Sp. p. 1557; Gaz. vol. 137; p. 288.
- Richardson, E. P., Lawrence, assignor to Richardson Shoe Machinery Company, Boston, Mass. Treadle mechanism for shoe-sewing machines. No. 885,378; Apr. 21; Sp. p. 3534; Dr. p. 739; Gaz. vol. 133; p. 1811.
- Richardson, F., Providence, R. I. Pneumatic tire. No. 905,584; Dec. 1; Sp. p. 952; Gaz. vol. 137; p. 1135.
- Richardson, F. E., Jackson, Ala. Ventilating-panel. No. 894,536; July 28; Sp. p. 4499; Dr. p. 933; Gaz. vol. 135; p. 788.
- Richardson, F. E., Manchester, Iowa. Door-fastener. No. 899,323; Sept. 22; Sp. p. 4119; Dr. p. 880; Gaz. vol. 136; p. 764.
- Richardson, F. L., Manifest, La. Envelop. No. 882,843; Mar. 24; Sp. p. 4680; Dr. pp. 995-6; Gaz. vol. 133; p. 865.
- Richardson, F. L., Rockland, assignor of one-half to W. F. Brock, Abington, Mass. Gage for shoemakers' use. No. 877,864; Jan. 28; Sp. p. 4422; Dr. p. 962; Gaz. vol. 132; p. 810.
- Richardson, G. W., Wissahickon, Pa. Electric motor. No. 907,176; Dec. 22; Sp. p. 3972; Gaz. vol. 137; p. 1738.
- Richardson, H., Waltham, Mass. Carbureter. No. 890,099; June 9; Sp. p. 1803; Dr. p. 399; Gaz. vol. 134; p. 1378.
- Richardson, H., assignor to M. R. Mangan, Chicago, Ill. Bed-bottom fabric. No. 889,335; June 2; Sp. p. 276; Dr. p. 67; Gaz. vol. 134; p. 1102.
- Richardson, H. H. (See Cutler, C. B., assignor.)
- Richardson, H. W. (See Days and Richardson.)
- Richardson, J. A. (See Nicholson, E. P., assignor.)
- Richardson-Lovejoy Engineering Company. (See Harrop, C. B., assignor.)
- Richardson, M. E., *et al.* (See Norstrom, N. E., assignor.)
- Richardson, M. F., Kalamazoo, Mich. Coupling. No. 887,270; May 12; Sp. p. 1884; Dr. p. 398; Gaz. vol. 134; p. 333.
- Richardson, M. F., Leonia, N. J. Pedal-action. No. 906,461; Dec. 8; Sp. p. 2611; Gaz. vol. 137; p. 1450.
- Richardson, M. F., assignor to Riverside Foundry Company, Kalamazoo, Mich. Siphon for water-closet tanks. No. 904,228; Nov. 17; Sp. p. 3469; Gaz. vol. 137; p. 622.
- Richardson Manufacturing Company. (See Brown, T., assignor.)
- Richardson, N. H., administrator. (See Wyckoff, H. W.)
- Richardson, P., Bryan, Ohio. Device for supporting paint-pails. No. 877,798; Jan. 28; Sp. p. 4295; Dr. p. 932; Gaz. vol. 132; p. 789.
- Richardson, R. K., assignor of one-half to J. D. Gunther and H. Perkins, Brooklyn, N. Y. Safety appliance for electric railways. No. 900,958; Oct. 13; Sp. p. 1899; Dr. p. 387; Gaz. vol. 136; p. 1391.
- Richardson, R. L., New York, N. Y. Baby-tender. No. 888,850; May 26; Sp. p. 5095; Dr. p. 1086; Gaz. vol. 134; p. 914.
- Richardson, R. R., Ottawa, Ill. Coating-machine. No. 879,587; Feb. 18; Sp. p. 3490; Dr. pp. 731-4; Gaz. vol. 132; p. 1476.
- Richardson, R. R., Ottawa, Ill. Feeding mechanism for coating-machines and the like. No. 882,167; Mar. 17; Sp. p. 3381; Dr. p. 719; Gaz. vol. 133; p. 611.
- Richardson, S. O., Jr., Toledo, Ohio, assignor, by mesne assignments, to H. C. Fry Glass Company, Rochester, Pa. Process and apparatus for fire-polishing glass. No. 899,473; Sept. 22; Sp. p. 4379; Dr. p. 939; Gaz. vol. 136; p. 811.
- Richardson, S. S., assignor of one-half to H. G. Shaw, Montague, Mass. Scaffold-bracket. No. 882,020; Mar. 17; Sp. p. 3093; Dr. p. 659; Gaz. vol. 133; p. 564.
- Richardson Shoe Machinery Company. (See Richardson, E. P., assignor.)
- Richardson, W. C., Mystic, Conn. Water-cooled grate. No. 879,492; Feb. 18; Sp. p. 3284; Dr. pp. 686-7; Gaz. vol. 132; p. 1444.
- Richardson, W. C., Lynn, Mass. Shoe-form. No. 898,137; Sept. 8; Sp. p. 1851; Dr. p. 394; Gaz. vol. 136; p. 322.
- Richardson, W. C., Pottlatch, Idaho. Wire-stretcher. No. 904,997; Nov. 24; Sp. p. 5076; Gaz. vol. 137; p. 905.
- Richardson, W. C., Lynn, and E. W. Ford, Salem, Mass. Shoe-form. No. 878,313; Feb. 4; Sp. p. 861; Dr. p. 171; Gaz. vol. 132; p. 987.
- Richardson, W. P., Beaver, assignor to Pittsburgh Equipment Company, Pittsburg, Pa. Side-frame construction. No. 877,735; Jan. 28; Sp. p. 4187; Dr. p. 908; Gaz. vol. 132; p. 769.
- Richardson, W. S., Canton, assignor to United States Fastener Company, Boston, Mass. Snap-fastener. No. 880,573; Mar. 3; Sp. p. 176; Dr. p. 38; Gaz. vol. 133; p. 32.
- Richbourg, J. F. and R. F., Alba, Tex. Fly-trap. No. 882,124; Mar. 17; Sp. p. 3279; Dr. p. 699; Gaz. vol. 133; p. 597.
- Richbourg, R. F. (See Richbourg, J. F. and R. F.)
- Richert, P., Berlin, Germany. Fare-indicator. No. 901,558; Oct. 20; Sp. p. 3130; Dr. p. 640; Gaz. vol. 136; p. 1623.
- Richert, P., Berlin, Germany. Taximeter or fare-indicator for hired vehicles. No. 907,404; Dec. 22; Sp. p. 4434; Gaz. vol. 137; p. 1816.
- Riches, F. W., St. Petersburg, Russia. Telemeter for the use of photographers. No. 884,955; Apr. 14; Sp. p. 2629; Dr. pp. 555-6; Gaz. vol. 133; p. 1638.
- Richey, C. V. (See Murray and Richey.)
- Richman, W. C., Vermilion, S. D. Auxiliary heater. No. 888,035; May 19; Sp. p. 3440; Dr. p. 723; Gaz. vol. 134; p. 618.
- Richman, W. C., Vermilion, S. D. Auxiliary heater. No. 897,661; Sept. 1; Sp. p. 848; Dr. p. 179; Gaz. vol. 136; p. 136.
- Richmond, C. A. (See Dugas, J., assignor.)
- Richmond, C. T., Cleveland, Ohio, assignor to National Carbon Company, Trenton, N. J. Battery-filling machine. No. 885,294; Apr. 21; Sp. p. 3347; Dr. pp. 699-700; Gaz. vol. 133; p. 1782.
- Richmond, E. W., assignor to R. A. Lister and Company, Limited, Dursley, England. Centrifugal liquid-separator. No. 894,855; Aug. 4; Sp. p. 105; Dr. pp. 22-3; Gaz. vol. 135; p. 918.
- Richmond, G. E., Houston, Tex. Conveyor. No. 878,671; Feb. 11; Sp. p. 1664; Dr. p. 343; Gaz. vol. 132; p. 1140.
- Richmond, G. E., assignor of one-half to F. B. Weeks, Houston, Tex. Machine for cutting baled hay. No. 887,693; May 12; Sp. p. 2748; Dr. p. 581; Gaz. vol. 134; p. 475.
- Richmond, G. E., assignor of one-half to F. B. Weeks, Houston, Tex. Meat-tree. No. 897,015; Aug. 25; Sp. p. 4528; Dr. p. 968; Gaz. vol. 135; p. 1695.
- Richmond, G. E., assignor of one-half to F. B. Weeks, Houston, Tex. Band-cutter and feeder. No. 898,603; Sept. 15; Sp. p. 2744; Dr. p. 587; Gaz. vol. 136; p. 503.
- Richmond, J. R., Lewisburg, Ky. Wheelwright's machine. No. 896,579; Aug. 18; Sp. p. 3579; Dr. p. 770; Gaz. vol. 135; p. 1529.
- Richmond, M., Parkfield, Cal. Watch and key chain guard. No. 897,405; Sept. 1; Sp. p. 346; Dr. p. 73; Gaz. vol. 136; p. 53.
- Richter, A., Arlington, N. J. Alcohol-stove. No. 889,047; May 26; Sp. p. 5475; Dr. p. 1165; Gaz. vol. 134; p. 979.
- Richter, C., assignor to himself and L. Fromer, Tampa, Fla. Self-propelled vehicle. No. 904,998; Nov. 24; Sp. p. 5077; Gaz. vol. 137; p. 905.
- Richter, C. P. (See Small, T., assignor.)
- Richter, F. T., New York, N. Y. Safety gas-cock. No. 888,742; May 26; Sp. p. 4840; Dr. p. 1033; Gaz. vol. 134; p. 879.
- Richter, H., Omaha, Nebr. Combination confectionery and valentine box. No. 901,476; Oct. 20; Sp. p. 2968; Dr. p. 606; Gaz. vol. 136; p. 1597.
- Richwood, C. H., Boston, Mass. Liquid-actuated vibrator. No. 890,709; June 16; Sp. p. 3079; Dr. p. 677; Gaz. vol. 134; p. 1609.

Alphabetical list of patentees—Continued.

- Rickabaugh, J. A., Pittsburg, Pa. Car-door. No. 903,406; Nov. 10; Sp. p. 1725; Gaz. vol. 137; p. 315.
- Rickard, H. J., assignor of one-half to P. Wylie, Frugality, Pa. Rail-joint. No. 896,858; Aug. 25; Sp. p. 4169; Dr. p. 893; Gaz. vol. 135; p. 1644.
- Rickard, M. J. (See Harkins, Rickard, and Cowley.)
- Rickards, C. A., Portland, Oreg. Electric curling-iron. No. 884,266; Apr. 7; Sp. p. 1269; Dr. p. 268; Gaz. vol. 133; p. 1395.
- Rickards, W., Portland, Oreg. Feathering paddle attachment for small boats. No. 878,469; Feb. 4; Sp. p. 1152; Dr. p. 236; Gaz. vol. 132; p. 1038.
- Ricke, G. H., Cincinnati, Ohio. Fruit-jar. No. 907,091; Dec. 15; Sp. p. 3786; Gaz. vol. 137; p. 1674.
- Rickert, E. P., Cleveland, Ohio. Overshoe. No. 881,153; Mar. 10; Sp. p. 1320; Dr. p. 285; Gaz. vol. 133; p. 255.
- Ricketts, D. C. (See Albin, J. W., assignor.)
- Ricketts, O. J., *et al.* (See Taylor, C. R., assignor.)
- Ricketts, P. D., and T. C. King, New York, N. Y., assignors to National Metallurgic Company, Jersey City, N. J. Making pyrites briquets. No. 894,464; July 28; Sp. p. 4369; Gaz. vol. 135; p. 766.
- Ricketts, P. D., and T. C. King, New York, N. Y., assignors to National Metallurgic Company, Jersey City, N. J. Preparing pyrites fines for desulfurization. No. 894,799; July 28; Sp. p. 5005; Gaz. vol. 135; p. 874.
- Ricketts, R. R., Springfield, Mo. Sale-cabinet. No. 891,862; June 30; Sp. p. 5465; Dr. p. 1181; Gaz. vol. 134; p. 2053.
- Rickey, W. E., Rocky, Okla. Cotton-separator. No. 886,249; Apr. 28; Sp. p. 5278; Dr. p. 1112; Gaz. vol. 133; p. 2121.
- Rickey, W. E., Rocky, Okla. Cotton-harvester. No. 889,963; June 9; Sp. p. 1537; Dr. p. 347; Gaz. vol. 134; p. 1333.
- Rickey, W. E., and A. C. Smith, Rocky, Okla. Steam-engine reverse-valve. No. 896,324; Aug. 18; Sp. p. 3077; Dr. pp. 662-3; Gaz. vol. 135; p. 1446.
- Rickles, J. N. (See Copeland, J. N., assignor.)
- Rickles, J. N., Altoona, Ala. Coal-drilling machine. No. 877,597; Jan. 28; Sp. p. 3932; Dr. p. 850; Gaz. vol. 132; p. 726.
- Rickl, J., Carrollton, Ohio. Door-controlling means. No. 877,374; Jan. 21; Sp. p. 3461; Dr. pp. 751-2; Gaz. vol. 132; p. 631.
- Rickmers, W., London, England. Explosive. No. 896,325; Aug. 18; Sp. p. 3079; Gaz. vol. 135; p. 1447.
- Rickmire, A. P., Waterloo, Iowa. Electric signaling system for railways. No. 899,134; Sept. 22; Sp. p. 3729; Dr. pp. 798-9; Gaz. vol. 136; p. 703.
- Ricks, R. G., Murphy, Ga. Land-marker. No. 886,155; Apr. 28; Sp. p. 5118; Dr. p. 1075; Gaz. vol. 133; p. 2090.
- Ricksecker, A. C., assignor to Ajax Valve Company, Chicago, Ill. Valve. No. 908,139; Dec. 29; Sp. p. 6002; Gaz. vol. 137; p. 2088.
- Ricksecker, A. C., Jr., assignor, by mesne assignments, to Ajax Valve Company, Chicago, Ill. Valve. No. 877,865; Jan. 28; Sp. p. 4422; Dr. p. 963; Gaz. vol. 132; p. 810.
- Ricksecker, A. C., Jr., assignor, by mesne assignments, to Ajax Valve Company, Chicago, Ill. Valve. No. 908,138; Dec. 29; Sp. p. 6000; Gaz. vol. 137; p. 2088.
- Ridd, A., Waipuku, New Zealand. Milking-machine. No. 890,376; June 9; Sp. p. 2391; Dr. p. 527; Gaz. vol. 134; p. 1468.
- Ridd, A., Newport, Ky. Metal-rolling machine. No. 902,687; Nov. 3; Sp. p. 300; Gaz. vol. 137; p. 52.
- Riddell, J., Schenectady, N. Y., assignor to General Electric Company. Balancing-machine. No. 890,710; June 16; Sp. p. 3080; Dr. p. 677; Gaz. vol. 134; p. 1610.
- Riddell, J., Schenectady, N. Y., assignor to General Electric Company. Speed-changing device. No. 902,538; Oct. 27; Sp. p. 5206; Dr. p. 1051; Gaz. vol. 136; p. 1974.
- Riddle, J. B., Sacramento, Cal. Vacuum mining device. No. 898,927; Sept. 15; Sp. p. 3343; Dr. p. 717; Gaz. vol. 136; p. 608.
- Ridenour, C. D., assignor of two-thirds to F. A. McLaughlin and J. Bullock, Shawnee, Ohio. Adjustable shade-support. No. 889,399; June 2; Sp. p. 418; Dr. p. 99; Gaz. vol. 134; p. 1124.
- Rideout, W. A., Sr., Oshkosh, Wis. Brake-setter. No. 897,149; Aug. 25; Sp. p. 4792; Dr. p. 1020; Gaz. vol. 135; p. 1740.
- Rideout, W. A., Sr., Oshkosh, Wis. Brake-setting mechanism. No. 904,999; Nov. 24; Sp. p. 5080; Gaz. vol. 137; p. 906.
- Rider, C. D., assignor of two-thirds to W. F. Stahl and S. M. Alexander, Fort Wayne, Ind. Fishing-reel. No. 905,585; Dec. 1; Sp. p. 454; Gaz. vol. 137; p. 1135.
- Rider, C. E., Myrtle Point, Oreg. Planing-saw. No. 877,799; Jan. 28; Sp. p. 4296; Dr. p. 932; Gaz. vol. 132; p. 789.
- Rider, C. H., St. Louis, Mo. Apparatus for manufacturing fuel-gas. No. 879,320; Feb. 18; Sp. p. 2921; Dr. p. 609; Gaz. vol. 132; p. 1389.
- Rider, C. H., St. Louis, Mo. Manufacturing gas. No. 879,321; Feb. 18; Sp. p. 2923; Dr. p. 610; Gaz. vol. 132; p. 1389.
- Rider, E., St. Louis, Mo. Apparatus for manufacturing gas. No. 900,423; Oct. 6; Sp. p. 734; Dr. p. 153; Gaz. vol. 136; p. 1189.
- Rider, J. T., Oil City, Pa. Moistening device for stamps, labels, and stickers. No. 888,193; May 19; Sp. p. 3731; Dr. p. 782; Gaz. vol. 134; p. 667.
- Rider, O. O., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 897,492; Sept. 1; Sp. p. 513; Dr. p. 109; Gaz. vol. 136; p. 82.
- Rider, S. S., assignor of one-half to R. E. Miller, Washington, D. C. Screw-cutting die-stock and die. No. 896,665; Aug. 18; Sp. p. 3731; Dr. p. 804; Gaz. vol. 135; p. 1554.
- Ridgeley, C. T., Springfield, Ohio. Straight-edge. No. 883,744; Apr. 7; Sp. p. 128; Dr. p. 23; Gaz. vol. 133; p. 1214.
- Ridgeley, C. T., assignor to Standard Trimmer Company, Springfield, Ohio. Spirit-level. No. 883,743; Apr. 7; Sp. p. 127; Dr. p. 22; Gaz. vol. 133; p. 1213.
- Ridgway, E. L., Kansas City, Mo. Ironing-board. No. 883,830; Apr. 7; Sp. p. 322; Dr. p. 60; Gaz. vol. 133; p. 1243.
- Ridgway, G., Kalgoolie, Western Australia, Australia. Filter. No. 877,000; Jan. 21; Dr. p. 2704; Dr. pp. 586-7; Gaz. vol. 132; p. 508.
- Ridgway, H. N., Boston, Mass. Amusement device. No. 883,484; Mar. 31; Sp. p. 6000; Dr. p. 1280; Gaz. vol. 133; p. 1106.
- Ridgway, H. N., Boston, Mass. Amusement apparatus. No. 883,485; Mar. 31; Sp. p. 6002; Dr. p. 1280; Gaz. vol. 133; p. 1106.
- Ridgway, H. N., Boston, Mass. Amusement apparatus. No. 883,568; Mar. 31; Sp. p. 6170; Dr. pp. 1312-13; Gaz. vol. 133; p. 1130.
- Ridgway, H. N., Boston, Mass. Amusement apparatus. No. 884,045; Apr. 7; Sp. p. 762; Dr. p. 159; Gaz. vol. 133; p. 1314.
- Ridgway, J. E., Atchison, Kans. Sewing-machine needle. No. 884,857; Apr. 14; Sp. p. 2450; Dr. p. 515; Gaz. vol. 133; p. 1610.
- Ridgway, R. (See Scott, E., assignor.)
- Ridgway, T. J., Carthage, Mo. Collar. No. 887,427; May 12; Sp. p. 2244; Dr. p. 470; Gaz. vol. 134; p. 388.
- Ridlon, F. W., assignor to Perfection Grate Company, Springfield, Mass. Furnace-grate rocking and locking device. No. 887,523; May 12; Sp. p. 2441; Dr. p. 515; Gaz. vol. 134; p. 419.
- Ridlon, G. H., Revere, assignor to W. Read & Sons, Boston, Mass. Chest-protector. No. 876,237; Jan. 7; Sp. p. 1069; Dr. p. 232; Gaz. vol. 132; p. 181.
- Ridlon, G. H., Revere, assignor to W. Read & Sons, Boston, Mass. Base-ball mask. No. 881,957; Mar. 17; Sp. p. 2952; Dr. p. 629; Gaz. vol. 133; p. 543.
- Ridout, G. H., Luling, Tex. Detachable shelf for store-ladders. No. 897,929; Sept. 8; Sp. p. 1422; Dr. p. 304; Gaz. vol. 136; p. 255.
- Ridout, J. B., St. Paul, Minn., assignor of two-thirds to D. Crowther and W. H. Barth. Hydraulic air-pump. No. 898,264; Sept. 8; Sp. p. 2083; Dr. p. 443; Gaz. vol. 136; p. 360.
- Ridout, W. L., Luling, Tex. Sunshade. No. 881,720; Mar. 10; Sp. p. 2449; Dr. p. 527; Gaz. vol. 133; p. 436.
- Ridout, W. L., Luling, Tex. Sunshade-gear for personal wear. No. 904,085; Nov. 17; Sp. p. 3147; Gaz. vol. 137; p. 571.
- Riebe, A., Berlin, Germany. Ball-bearing for vertical shafts. No. 899,563; Sept. 29; Sp. p. 4586; Dr. p. 986; Gaz. vol. 136; p. 878.
- Riebenack, H. G., Philadelphia, Pa. Pump. No. 886,863; May 5; Sp. p. 1059; Dr. p. 223; Gaz. vol. 134; p. 174.
- Riechmann, W. (See Zierlein and Riechmann.)
- Rieck, E. E. (See Bayer and Rieck.)
- Ried, G. M., assignor of one-half to G. A. Baxter, Meridian, Miss. Skeleton eccentric for locomotives. No. 882,537; Mar. 17; Sp. p. 4067; Dr. p. 865; Gaz. vol. 133; p. 732.
- Riedeman, J. W. (See Cline, G. W., assignor.)
- Rieder, L., Nuremberg, Germany. Parcel-carrier. No. 899,806; Sept. 29; Sp. p. 5105; Dr. p. 1091; Gaz. vol. 136; p. 958.
- Rieder, T. W., Pittsburg, Pa. Wheel for vehicles. No. 878,564; Feb. 11; Sp. p. 1438; Dr. p. 293; Gaz. vol. 132; p. 1104.
- Riedl, A., Chicago, Ill. Musical valve instrument. No. 879,322; Feb. 18; Sp. p. 2924; Dr. p. 610; Gaz. vol. 132; p. 1389.
- Riegel, S. D., Experiment, assignor of one-half to J. C. Turnipseed, Griffin, Ga. Swingletree attachment. No. 888,194; May 19; Sp. p. 3732; Dr. p. 783; Gaz. vol. 134; p. 667.
- Riegel Sack Company. (See Barklow, W. R., assignor.)
- Riegel Sack Company. (See Sparks, C. F., assignor.)
- Riehl, F., Alameda, Cal. Dirigible kite. No. 892,009; June 30; Sp. p. 5752; Dr. p. 1278; Gaz. vol. 134; p. 2100.
- Riehl, H., Philadelphia, Pa. Mechanism for operating shuttles of narrow-ware looms. No. 901,834; Oct. 20; Sp. p. 3702; Dr. pp. 751-2; Gaz. vol. 136; p. 1712.
- Riehl, H. E., New York, N. Y. Aquatic merry-go-round. No. 903,004; Nov. 3; Sp. p. 954; Gaz. vol. 137; p. 158.
- Rielly, P. N., Newark, N. J. Smoke-consuming furnace. No. 883,828; Apr. 7; Sp. p. 315; Dr. p. 59; Gaz. vol. 133; p. 1242.
- Riemyer, W. L., assignor of two-thirds to J. Schmelzinger and R. Scanlon, Baltimore, Md. Railway fare and transfer ticket. No. 876,729; Jan. 14; Sp. p. 2134; Dr. p. 468; Gaz. vol. 132; p. 378.
- Ries, E. E., New York, N. Y. Apparatus for controlling sound-records, &c. No. 907,177; Dec. 22; Sp. p. 3973; Gaz. vol. 137; p. 1738.
- Ries, H., Munich, Germany. Door for furnaces and the like. No. 890,175; June 9; Sp. p. 1970; Dr. pp. 434-5; Gaz. vol. 134; p. 1404.
- Riesch, A., Munich, Germany. Artificial marble and making same. No. 897,493; Sept. 1; Sp. p. 516; Gaz. vol. 136; p. 82.
- Riesland, H., Seiling, Okla. Drenching device. No. 907,886; Dec. 29; Sp. p. 5474; Gaz. vol. 137; p. 2005.

Alphabetical list of patentees—Continued.

- Riessner, E. P., Wahren, Germany. Music-box. No. 878,088; Feb. 4; Sp. p. 395; Dr. pp. 82-3; Gaz. vol. 132; p. 912.
 Riessner, P., Wahren, near Leipzig, Germany. Note-sheet. No. 883,745; Apr. 7; Sp. p. 130; Dr. p. 23; Gaz. vol. 133; p. 1214.
 Rietmann, H., Crown Point, Ind. Crate. No. 880,042; Feb. 25; Sp. p. 4462; Dr. p. 937; Gaz. vol. 132; p. 1658.
 Rietveld, J. D., C. Dieleman, and W. D. Rietveld, Pella, Iowa. Manure-loader. No. 889,336; June 2; Sp. p. 277; Dr. pp. 67-8; Gaz. vol. 134; p. 1103.
 Rietveld, J. D., C. Dieleman, and W. D. Rietveld, Pella, Iowa. Manure-scraper. No. 890,176; June 9; Sp. p. 1972; Dr. p. 435; Gaz. vol. 134; p. 1404.
 Rietveld, W. D. (See Rietveld, Dieleman, and Rietveld.)
 Riexinger, G., Buffalo, N. Y. Flexible pipe-joint. No. 879,588; Feb. 18; Sp. p. 3503; Dr. p. 734; Gaz. vol. 132; p. 1476.
 Rife, A. H., Dallas City, Ill. Carbureter. No. 887,230; May 12; Sp. p. 1780; Dr. p. 374; Gaz. vol. 134; p. 320.
 Riffe, R. H. (See Brown, R. D., assignor.)
 Riffie, J. W., Kansas City, Mo. Gearing. No. 898,682; Sept. 15; Sp. p. 2911; Dr. p. 623; Gaz. vol. 136; p. 529.
 Rizzo, M. B., Philadelphia, Pa. Folding go-cart. No. 879,907; Feb. 25; Sp. p. 4192; Dr. p. 875; Gaz. vol. 132; p. 1614.
 Rifled Pipe Company. (See Isaacs, J. D., assignor.)
 Rigby, J. J., New York, N. Y. Solder-carrying can-cap. No. 901,375; Oct. 20; Sp. p. 2711; Dr. p. 556; Gaz. vol. 136; p. 1561.
 Rigby, J. J., New York, N. Y. Solder-carrying can-cap. No. 908,140; Dec. 29; Sp. p. 6004; Gaz. vol. 137; p. 2088.
 Rigby, J. J., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Means for controlling the feeding of sheets. No. 882,125; Mar. 17; Sp. p. 3280; Dr. p. 700; Gaz. vol. 133; p. 597.
 Rigby, T. (See Crossley and Rigby.)
 Riggs, J. C. (See Collier and Riggs.)
 Riggan, D. H., Warrenton, N. C. Safe-door. No. 900,311; Oct. 6; Sp. p. 510; Dr. p. 106; Gaz. vol. 136; p. 1153.
 Riggs, A., Cincinnati, Ohio. Nasal inhaler. No. 907,178; Dec. 22; Sp. p. 3977; Gaz. vol. 137; p. 1738.
 Riggs, A. L., Ebensburg, Pa. Steam-trap. No. 901,190; Oct. 13; Sp. p. 2316; Dr. p. 475; Gaz. vol. 136; p. 1464.
 Riggs, E. W., assignor of one-half to M. S. Largey, Butte, Mont. Compound centrifugal pump. No. 880,327; Feb. 25; Sp. p. 5017; Dr. p. 1059; Gaz. vol. 132; p. 1751.
 Riggs, J. C., Berkeley, Cal. Track-rail joint. No. 897,784; Sept. 1; Sp. p. 1097; Dr. p. 235; Gaz. vol. 136; p. 176.
 Riggs, M. J., Toledo, Ohio, assignor to American Bridge Company, Pittsburg, Pa. Punching-machine. No. 899,324; Sept. 22; Sp. p. 4120; Dr. p. 881; Gaz. vol. 136; p. 764.
 Rightmeyer, H. W., Rowlesburg, W. Va. Popper or roaster. No. 906,934; Dec. 15; Sp. p. 3513; Gaz. vol. 137; p. 1626.
 Rigney, G. W. (See Hanlin and Rigney.)
 Rigney, W. J., assignor to McLoughlin Brothers, New York, N. Y. Disk propeller or game apparatus. No. 905,586; Dec. 1; Sp. p. 955; Gaz. vol. 137; p. 1136.
 Rigshy, L. J., Manning, Tex. Balanced valve. No. 880,920; Mar. 3; Sp. p. 886; Dr. p. 191; Gaz. vol. 133; p. 149.
 Riiber, C. N., Christiania, Norway, assignor to Aktieselskabet det Norske Kvaeststofkompagni. Production of nitrites. No. 899,705; Sept. 29; Sp. p. 4868; Gaz. vol. 136; p. 922.
 Rike, B. I., Dayton, Ohio. Paper vessel. No. 877,001; Jan. 21; Sp. p. 2709; Dr. p. 587; Gaz. vol. 132; p. 508.
 Rike, B. I., Dayton, Ohio. Paper pall. No. 889,048; May 26; Sp. p. 5477; Dr. p. 1165; Gaz. vol. 134; p. 979.
 Riker, A. L., Bridgeport, Conn., assignor, by mesne assignments, to White Company, Cleveland, Ohio. Water-tube boiler. No. 885,295; Apr. 21; Sp. p. 3349; Dr. p. 700; Gaz. vol. 133; p. 1783.
 Riker, A. L., Short Hills, N. J., assignor to "Locomobile" Company of America, New York, N. Y. Spark-adjusting starting means for automobiles. No. 906,290; Dec. 8; Sp. p. 2305; Gaz. vol. 137; p. 1396.
 Riker, C. L., Jr., New York, N. Y. Boring-bar. No. 877,950; Feb. 4; Sp. p. 107; Dr. p. 25; Gaz. vol. 132; p. 867.
 Riley, C. E., Newton, Mass., assignor to Howard & Bullough American Machine Company, Limited, Pawtucket, R. I. Top roll for speeders or spinning-machines. No. 899,807; Sept. 29; Sp. p. 5106; Dr. p. 1092; Gaz. vol. 136; p. 958.
 Riley, E., Agency, Mo. Churn-operating mechanism. No. 889,337; June 2; Sp. p. 279; Dr. p. 68; Gaz. vol. 134; p. 1103.
 Riley, J., Southampton, and F. A. Spiers, London, England. Automatic coupling. No. 877,663; Jan. 28; Sp. p. 4056; Dr. pp. 877-8; Gaz. vol. 132; p. 747.
 Riley, J., Southampton, and F. A. Spiers, Hampstead, England. Automatic coupling. No. 877,664; Jan. 28; Sp. p. 4058; Dr. pp. 878-9; Gaz. vol. 132; p. 748.
 Riley, J. C. (See Woolley, L. G., assignor.)
 Riley, M., assignor of one-half to T. A. McKee, Washington, D. C. Awning. No. 889,049; May 26; Sp. p. 5478; Dr. pp. 1165-6; Gaz. vol. 134; p. 979.
 Riley, M., assignor of one-half to W. M. Deemer, Braeburn, Pa. Clothes-retainer for infants' beds. No. 899,325; Sept. 22; Sp. p. 4122; Dr. p. 881; Gaz. vol. 136; p. 764.
 Riley, T. B., Louisville, Ky. Safety-stirrurp. No. 898,683; Sept. 15; Sp. p. 2911; Dr. p. 623; Gaz. vol. 136; p. 529.
 Riley, T. L. (See Hickey, R., assignor.)
 Riley, V. W., and H. W. Rowing, London, England. Electric-arc lamp. No. 887,127; May 12; Sp. p. 1566; Dr. p. 332; Gaz. vol. 134; p. 287.
 Rimailho, E. (See Schneider and Rimailho.)
 Rinderer, A., Highland, Ill. Feed mechanism for punching-machines. No. 894,465; July 28; Sp. p. 4370; Dr. pp. 901-2; Gaz. vol. 135; p. 766.
 Rinderknecht, C. J., Indianapolis, Ind. Mail-sack-delivering apparatus. No. 907,286; Dec. 22; Sp. p. 4227; Gaz. vol. 137; p. 1778.
 Rinderman, E., Page, N. D. Attachment for smut-machines. No. 897,785; Sept. 1; Sp. p. 1098; Dr. p. 236; Gaz. vol. 136; p. 176.
 Rindress, W. A. (See Jones and Rindress.)
 Rinehart, B. L., Camden, N. J., and J. W. Owen, Philadelphia, Pa. Shoe-tree. No. 890,711; June 16; Sp. p. 3084; Dr. p. 677; Gaz. vol. 134; p. 1610.
 Rinehart, J. B. (See Matthes and Rinehart.)
 Rines, W. H., Rumford Falls, Me. Electrolytic apparatus for electrolysis of metallic salts. No. 878,425; Feb. 4; Sp. p. 1065; Dr. p. 216; Gaz. vol. 132; p. 1024.
 Ring, B. H. (See Ramus, C. F. W., assignor.)
 Ring, D. J. (See Sullivan and Ring.)
 Ring, E., Kingston, Wis. Draft-rigging for carriers. No. 899,435; Sept. 22; Sp. p. 4307; Dr. p. 925; Gaz. vol. 136; p. 798.
 Ring, L., Leesburg, Va. Overlapping the edges of garments. No. 901,041; Oct. 13; Sp. p. 2050; Dr. p. 417; Gaz. vol. 136; p. 1418.
 Ring, W. F., New York, N. Y. Forming anvils. No. 896,155; Aug. 18; Sp. p. 2728; Dr. p. 588; Gaz. vol. 135; p. 1390.
 Ringemann, F. H. (See Campbell and Ringemann.)
 Ringer, R. R., Pittsburg, Pa. Tooth-brush. No. 901,835; Oct. 20; Sp. p. 3706; Dr. p. 752; Gaz. vol. 136; p. 1712.
 Ringi, S. I. S., assignor to Motoraktiebolaget Reversator, Stockholm, Sweden. Internal-combustion engine. No. 893,656; July 21; Sp. p. 2602; Dr. pp. 542-3; Gaz. vol. 135; p. 477.
 Ringland, D. E., Killarney, Manitoba, Canada. Knife-sharpener for self-feeders. No. 894,747; July 28; Sp. p. 4909; Dr. p. 1022; Gaz. vol. 135; p. 856.
 Ringness, J. J. (See Canuteson and Ringness.)
 Ringqvist, O. W., assignor, by mesne assignments, to M. E. Johnson, trustee, Fitchburg, Mass. Hinge-pin for breakdown guns. No. 893,014; July 14; Sp. p. 1279; Dr. p. 269; Gaz. vol. 135; p. 238.
 Ringwald, C., Owego, N. Y. Garment-supporter. No. 884,858; Apr. 14; Sp. p. 2451; Dr. p. 516; Gaz. vol. 133; p. 1610.
 Rinker, C. P. C., et al. (See Hutsler, C. W., assignor.)
 Riordan, J. M. (See St. John, J. C., assignor.)
 Rinne, A. (See Schwanenberg and Rinne.)
 Ripczinske, J., Wausau, Wis. Cow-milker. No. 904,564; Nov. 24; Sp. p. 4179; Gaz. vol. 137; p. 761.
 Ripking, R. H., Aurora, Ind. Photograph-cabinet. No. 908,036; Dec. 29; Sp. p. 5796; Gaz. vol. 137; p. 2054.
 Ripley, G. W., Youngstown, Ohio. Farm-gate. No. 907,287; Dec. 22; Sp. p. 4230; Gaz. vol. 137; p. 1778.
 Ripley, J. R., Memphis, Tenn. Dry kiln. No. 877,736; Jan. 28; Sp. p. 4189; Dr. p. 908; Gaz. vol. 132; p. 770.
 Ripley, W. H., Bloomfield, N. J., assignor to Promethee Electric Company. Electric heating apparatus. No. 893,015; July 14; Sp. p. 1282; Dr. p. 270; Gaz. vol. 135; p. 239.
 Rippe, H., assignor of one-half to J. Jezisik, Blue Island, Ill. Planter. No. 896,246; Aug. 18; Sp. p. 2903; Dr. p. 626; Gaz. vol. 135; p. 1422.
 Rippey, W., Allegheny, Pa. Refractory material for furnaces and crucibles. No. 905,925; Dec. 8; Sp. p. 1607; Gaz. vol. 137; p. 1277.
 Ripson, J. D., Rochester, N. Y. Ventilator. No. 900,595; Oct. 6; Sp. p. 1116; Dr. p. 229; Gaz. vol. 136; p. 1245.
 Ripson, J. D., Rochester, and E. G. Sampson, assignors to Art Metal Construction Company, Jamestown, N. Y. Support for drawers of cabinets, &c. No. 884,525; Apr. 14; Sp. p. 1734; Dr. p. 372; Gaz. vol. 133; p. 1498.
 Ripson, J. D., Rochester, and E. G. Sampson, assignors to Art Metal Construction Company, Jamestown, N. Y. Suspension for drawers of cabinets, &c. No. 884,526; Apr. 14; Sp. p. 1736; Dr. p. 372; Gaz. vol. 133; p. 1499.
 Ripson, J. D., and E. G. Sampson, assignors to Art Metal Construction Company, Jamestown, N. Y. Document-filing case. No. 885,789; Apr. 23; Sp. p. 4362; Dr. p. 915; Gaz. vol. 133; p. 1969.

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- Ripson, J. D., Rochester, and E. G. Sampson, assignors to Art Metal Construction Company, Jamestown, N. Y. Locking device. No. 885,790; Apr. 28; Sp. p. 4364; Dr. p. 916; Gaz. vol. 133; p. 1969.
- Ris, C., and E. Haager, Dusseldorf, assignors to C. Jäger, Dusseldorf-Derendorf, Germany. Blue disazo dye. No. 888,036; May 19; Sp. p. 3441; Gaz. vol. 134; p. 619.
- Risberg, J. V. M., Södertelje, assignor to Aktiebolaget Baltic-Separator, Stockholm, Sweden. Self-adjusting bearing. No. 902,912; Nov. 3; Sp. p. 768; Gaz. vol. 137; p. 127.
- Risberg, J. V. M., Södertelje, assignor to Aktiebolaget Baltic-Separator, Stockholm, Sweden. Liner for centrifugal liquid-separators. No. 902,913; Nov. 3; Sp. p. 769; Gaz. vol. 137; p. 127.
- Rische, J. H., Bellevue, Nebr. Water-current motor. No. 893,375; July 14; Sp. p. 1974; Dr. pp. 414-15; Gaz. vol. 135; p. 355.
- Risdon, J. F., Seattle, Wash. Car-fender. No. 884,683; Apr. 14; Sp. p. 2087; Dr. p. 445; Gaz. vol. 133; p. 1551.
- Rishel, G. R. and E. H. Wykoff, Alexandria, Pa. Bark-peeler. No. 875,849; Jan. 7; Sp. p. 320; Dr. p. 70; Gaz. vol. 132; p. 59.
- Risk, M. E., Hartford, Conn. Corset attachment. No. 886,076; Apr. 28; Sp. p. 4963; Dr. p. 1044; Gaz. vol. 133; p. 2065.
- Risley, L., Brookville, Pa. Clothes-fastener. No. 889,548; June 2; Sp. p. 717; Dr. p. 165; Gaz. vol. 134; p. 1172.
- Risley, N., *et al.* (See Risley, W., assignor.)
- Risley, W., assignor of two-thirds to Z. L. and N. Risley, Jacksboro, Tex. Rotary engine. No. 902,762; Nov. 3; Sp. p. 449; Gaz. vol. 137; p. 77.
- Risley, Z. L., *et al.* (See Risley, W., assignor.)
- Rispel, A., Los Angeles, Cal. Meat-compressor. No. 905,926; Dec. 8; Sp. p. 1607; Gaz. vol. 137; p. 1278.
- Risting, E., and F. Kabatchnick, Chicago, Ill.; said Kabatchnick assignor to said Risting. Cutting and marking machine. No. 884,762; Apr. 14; Sp. p. 2255; Dr. pp. 474-5; Gaz. vol. 133; p. 1579.
- Ritch, W. S., New York, N. Y. Observation-swing. No. 876,841; Jan. 14; Sp. p. 2334; Dr. p. 512; Gaz. vol. 132; p. 413.
- Ritchie, A. G., San Jacinto, Cal. Tire. No. 895,301; Aug. 4; Sp. p. 1075; Dr. p. 225; Gaz. vol. 135; p. 1076.
- Ritchie, F., Acton, England. Telautograph. No. 894,165; July 21; Sp. p. 3719; Dr. p. 769; Gaz. vol. 135; p. 645.
- Ritchie, J., New York, N. Y. Motor-vehicle. No. 880,403; Feb. 25; Sp. p. 5179; Dr. p. 1092; Gaz. vol. 132; p. 1777.
- Ritchie, J. P., New Tazewell, Tenn. Apparatus for cooking canned goods. No. 876,660; Jan. 14; Sp. p. 2017; Dr. p. 440; Gaz. vol. 132; p. 357.
- Riter-Conley Manufacturing Company. (See Carpenter, H. A., assignor.)
- Riter-Conley Manufacturing Company. (See Carpenter, H. E., assignor.)
- Rites, F. M., Ithaca, N. Y. Valve-gear for explosive and internal-combustion engines. No. 888,037; May 19; Sp. p. 3442; Dr. p. 723; Gaz. vol. 134; p. 619.
- Rites, F. M., Ithaca, N. Y. Governor. No. 895,684; Aug. 11; Sp. p. 1814; Dr. p. 386; Gaz. vol. 135; p. 1218.
- Rittenhouse, G. C., Glenside, Pa. Exhaust-head. No. 903,887; Nov. 17; Sp. p. 2738; Gaz. vol. 137; p. 505.
- Rittenhouse, J. B., Toronto, Ontario, Canada. Game-board. No. 898,684; Sept. 15; Sp. p. 2912; Dr. p. 624; Gaz. vol. 136; p. 529.
- Ritter, E. W., Chicago, Ill. Chute. No. 889,809; June 2; Sp. p. 1200; Dr. p. 277; Gaz. vol. 134; p. 1254.
- Ritter, F., Rochester, N. Y. Head-rest for chairs. No. 893,016; July 14; Sp. p. 1283; Dr. p. 270; Gaz. vol. 135; p. 239.
- Ritter, F. J. (See Guhle, C. W. M., assignor.)
- Ritter, F. J., Chapman, Nebr. Railway track-motor. No. 897,406; Sept. 1; Sp. p. 346; Dr. p. 73; Gaz. vol. 136; p. 53.
- Ritter, F. R., *et al.* (See Simpson, R. D., assignor.)
- Ritter, G. P., Chicago, Ill. Car-coupling. No. 886,864; May 5; Sp. p. 1061; Dr. pp. 223-4; Gaz. vol. 134; p. 175.
- Ritter, H. (See Lunken and Ritter.)
- Ritter, H. L. (See Reesor, I. C., assignor.)
- Ritter, I. B., assignor to E. Ashman, Philadelphia, Pa. Machine for rolling metal rings. No. 899,436; Sept. 22; Sp. p. 4308; Dr. p. 925; Gaz. vol. 136; p. 799.
- Ritter, J. S., assignor of one-half to G. F. Hummel, Allentown, Pa. Combined lock-nut and bushing for connection-boxes. No. 899,906; Sept. 29; Sp. p. 5299; Dr. p. 1133; Gaz. vol. 136; p. 989.
- Ritter, S. N., Allentown, Pa. Door-fastening device. No. 898,685; Sept. 15; Sp. p. 2914; Dr. p. 624; Gaz. vol. 136; p. 530.
- Ritter, W. F., Cincinnati, Ohio. Incandescent-lamp socket. No. 893,873; July 21; Sp. p. 3122; Dr. p. 641; Gaz. vol. 135; p. 549.
- Rittersbach, G. W., Jr., assignor of one-fourth to A. H. Kain, Philadelphia, Pa. Spike-extractor. No. 898,004; Sept. 8; Sp. p. 1710; Dr. p. 362; Gaz. vol. 136; p. 299.
- Rittweger, W., Gross Breitenbach, Germany. Penholder. No. 884,859; Apr. 14; Sp. p. 2452; Dr. p. 516; Gaz. vol. 133; p. 1610.
- Rivard, F. L. and L. B., Marine City, Mich. Extension-table. No. 882,799; Mar. 24; Sp. p. 4579; Dr. p. 977; Gaz. vol. 133; p. 850.
- Rivard, L. B. (See Rivard, F. L. and L. B.)
- Rivas, D., Philadelphia, Pa. Bottle and stopper therefor. No. 877,229; Jan. 21; Sp. p. 3192; Dr. p. 692; Gaz. vol. 132; p. 587.
- River & Rail Transportation Company. (See Kirchner, H. W., assignor.)
- Rivers, F. A., Helena, Mont. Mop-head. No. 899,437; Sept. 22; Sp. p. 4310; Dr. p. 926; Gaz. vol. 136; p. 799.
- Rivers, J., Detroit, Mich. Adjustable clamp. No. 898,604; Sept. 15; Sp. p. 2746; Dr. p. 587; Gaz. vol. 136; p. 503.
- Riverside Foundry Company. (See Richardson, M. F., assignor.)
- Rives, E. A., *et al.* (See White, C. P., assignor.)
- Rives, J. W., Lawrence, Ind. Hay-rack attachment. No. 907,179; Dec. 22; Sp. p. 3979; Gaz. vol. 137; p. 1739.
- Rivett, E., Boston, Mass. Speed-changing mechanism. No. 885,296; Apr. 21; Sp. p. 3350; Dr. pp. 700-1; Gaz. vol. 133; p. 1783.
- Rivoire, S. J., Monroe, La. Combined shoe-buttoner and shoe-horn. No. 903,320; Nov. 10; Sp. p. 1560; Gaz. vol. 137; p. 288.
- Rizer, F. W., *et al.* (See Latimer, J. B., assignor.)
- Rizer, F. W., assignor of one-half to F. M. Patterson, Chicago, Ill. Guard-rail-spacing block. No. 900,209; Oct. 6; Sp. p. 289; Dr. p. 58; Gaz. vol. 136; p. 1119.
- Roach, C. T. (See McGinn, J. P., assignor.)
- Roach, H. F., assignor to Continuous Rail & Safety Switch Co., St. Louis, Mo. Switch-frog. No. 902,451; Oct. 27; Sp. p. 4987; Dr. p. 1009; Gaz. vol. 136; p. 1943.
- Roach, H. F., assignor to Continuous Rail & Safety Switch Co., St. Louis, Mo. Railway switch-frog. No. 904,278; Nov. 17; Sp. p. 3569; Gaz. vol. 137; p. 638.
- Roach, H. F., assignor to Continuous Rail & Safety Switch Co., St. Louis, Mo. Switch-frog. No. 904,279; Nov. 17; Sp. p. 3581; Gaz. vol. 137; p. 639.
- Roach, L., Clifton, Ariz. Ter. Railway switch mechanism. No. 894,397; July 28; Sp. p. 4234; Dr. pp. 873-4; Gaz. vol. 135; p. 743.
- Roach, T. N., Minneapolis, Minn. Plumb-level. No. 904,014; Nov. 17; Sp. p. 3000; Gaz. vol. 137; p. 547.
- Roach, T. W., Lyman, Wash. Device for dressing saws. No. 887,694; May 12; Sp. p. 2750; Dr. p. 581; Gaz. vol. 134; p. 475.
- Roadhouse, N. F., assignor of one-fourth to J. T. Etzel, one-half to W. C. Gendron, and one-fourth to A. Koernig, Detroit, Mich. Switch-actuating device. No. 883,486; Mar. 31; Sp. p. 6003; Dr. pp. 1280-1; Gaz. vol. 133; p. 1197.
- Roadifer, E., assignor of one-half to R. E. Adams, Logan, Iowa. Folding crate. No. 893,752; July 21; Sp. p. 2874; Dr. pp. 590-1; Gaz. vol. 135; p. 510.
- Roake, J. S., New York, N. Y. Boiler-furnace. No. 894,856; Aug. 4; Sp. p. 106; Dr. p. 23; Gaz. vol. 135; p. 918.
- Roark, E. B. (See Fryer, E. J., assignor.)
- Robards, W. T. (See Kersey, R., assignor.)
- Kobb, J. E., Hallowsell, Kans. Binder attachment. No. 887,271; May 12; Sp. p. 1886; Dr. pp. 398-9; Gaz. vol. 134; p. 334.
- Kobb, M. M., assignor to Union Match Company, Duluth, Minn. Box-filling machine. No. 906,291; Dec. 8; Sp. p. 2309; Gaz. vol. 137; p. 1397.
- Robb, S., Andover, Mass. Sled. No. 907,288; Dec. 22; Sp. p. 4231; Gaz. vol. 137; p. 1779.
- Robbins, A., Pittsburg, Pa. Flash-light device. No. 904,362; Nov. 17; Sp. p. 3747; Gaz. vol. 137; p. 666.
- Robbins, A. B. (See Bowden, A. J., assignor.)
- Robbins, A. D., London, England. Means for mounting a bicycle-wheel whereby it may be placed concentric or eccentric with axle. No. 883,746; Apr. 7; Sp. p. 130; Dr. pp. 23-4; Gaz. vol. 133; p. 1214.
- Robbins, A. L., assignor to Sandusky Foundry & Machine Company, Sandusky, Ohio. Pipe-threading machine. No. 887,741; May 12; Sp. p. 2841; Dr. pp. 600-1; Gaz. vol. 134; p. 492.
- Robbins, E. M., Buffalo, N. Y. Recoloring leather. No. 891,864; June 30; Sp. p. 5467; Gaz. vol. 134; p. 2054.
- Robbins, F. A., Worcester, Mass. Trolley device. No. 906,161; Dec. 8; Sp. p. 2058; Gaz. vol. 137; p. 1352.
- Robbins, H. R. (See Gwyn, Ross, and Robbins.)
- Robbins, I. (See Smith and Robbins.)
- Robbins, I., Philadelphia, Pa. Envelop-sealing and stamp-affixing machine. No. 893,546; July 14; Sp. p. 2355; Dr. pp. 493-5; Gaz. vol. 135; p. 411.
- Robbins, J. E., Cambridge, Md. Davit-supporting means for sharp-stern boats. No. 902,452; Oct. 27; Sp. p. 4997; Dr. p. 1010; Gaz. vol. 136; p. 1943.
- Robbins, L. K., St. Louis, Mo. Well-drilling machine. No. 878,827; Feb. 11; Sp. p. 1963; Dr. p. 406; Gaz. vol. 132; p. 1189.
- Robbins, M. L., New York, N. Y. Hinge. No. 902,606; Nov. 3; Sp. p. 156; Gaz. vol. 137; p. 25.
- Robbins, O. A., Charlotte, N. C. Braiding-machine stop-motion. No. 885,523; Apr. 21; Sp. p. 3807; Dr. p. 799; Gaz. vol. 133; p. 1855.
- Robbins, S. L., Chicago, Ill. Rotary explosive-engine. No. 886,641; May 5; Sp. p. 585; Dr. pp. 122-3; Gaz. vol. 134; p. 103.

Alphabetical list of patentees—Continued.

- Robbins, W. L. (See Atwell, W. A., assignor.)
- Roberts, L., Scotia, S. C. Steam-tramping cotton-press. No. 879,413; Feb. 18; Sp. p. 3125; Dr. p. 650; Gaz. vol. 132; p. 1419.
- Robert, A. (See Carleton, O. M., assignor.)
- Robert, C., Holcombe, Wis. Fly-trap. No. 906,935; Dec. 15; Sp. p. 3514; Gaz. vol. 137; p. 1626.
- Robert, F. X., Westfield, Mass. Advertising device. No. 892,449; July 7; Sp. p. 119; Dr. p. 26; Gaz. vol. 135; p. 24.
- Robert Holmes & Brothers. (See Holmes, G., assignor.)
- Robert L. Walker Furnace Company. (See Jackson and Roberts, assignors.)
- Robert S. Redfield & Company. (See Redfield, R. S., assignor.)
- Robert, W. J. (See Bommer and Robert.)
- Roberts, A. A. New York N. Y. Bottle-cover. No. 896,156; Aug. 18; Sp. p. 2728; Dr. p. 588; Gaz. vol. 135; p. 1390.
- Roberts, A. E., Norwalk, Ohio. Fence-making machine. No. 907,887; Dec. 29; Sp. p. 5475; Gaz. vol. 137; p. 2005.
- Roberts, A. M., Buffalo, N. Y. Telegraphic selective system. No. 897,662; Sept. 1; Sp. p. 849; Dr. pp. 180-1; Gaz. vol. 136; p. 137.
- Roberts, B. O., Little Rock, Iowa. Inkstand. No. 886,865; May 5; Sp. p. 1065; Dr. p. 224; Gaz. vol. 134; p. 175.
- Roberts, C. E. and O. W., Chicago, Ill. Machine for cutting butter or the like material. No. 875,737; Jan. 7; Sp. p. 114; Dr. p. 25; Gaz. vol. 132; p. 24.
- Roberts, C. E. and O. W., Chicago, Ill. Machine for cutting butter, &c. No. 875,738; Jan. 7; Sp. p. 118; Dr. pp. 25-6; Gaz. vol. 132; p. 24.
- Roberts, C. E. and O. W., Chicago, Ill. Machine for cutting butter, &c. No. 875,739; Jan. 7; Sp. p. 131; Dr. p. 26; Gaz. vol. 132; p. 24.
- Roberts, C. H. (See Shingleton and Roberts.)
- Roberts, C. R., and F. Weber, Sweet Springs, Mo. Manure-loader. No. 905,927; Dec. 8; Sp. p. 1608; Gaz. vol. 137; p. 1278.
- Roberts, D., Grantham, England. Internal-combustion engine. No. 898,139; Sept. 8; Sp. p. 1853; Dr. pp. 395-6; Gaz. vol. 136; p. 322.
- Roberts, D., Grantham, England. Internal-combustion engine. No. 904,086; Nov. 17; Sp. p. 3143; Gaz. vol. 137; p. 571.
- Roberts, D., and C. James, Grantham, England. Internal-combustion and other fluid-pressure engines. No. 889,044; May 26; Sp. p. 5470; Dr. pp. 1163-4; Gaz. vol. 134; p. 978.
- Roberts, D. A., Elmira, N. Y. Pole-socket. No. 898,138; Sept. 8; Sp. p. 1852; Dr. p. 394; Gaz. vol. 136; p. 322.
- Roberts, E., Ishpeming, Mich. Mail-bag catcher and deliverer. No. 877,800; Jan. 28; Sp. p. 4297; Dr. p. 933; Gaz. vol. 132; p. 789.
- Roberts, E., Stillwater, Okla. Washing-machine. No. 885,956; Apr. 28; Sp. p. 4725; Dr. p. 993; Gaz. vol. 133; p. 2027.
- Roberts, E., East St. Louis, Ill. Drenching-bit. No. 887,524; May 12; Sp. p. 2444; Dr. p. 515; Gaz. vol. 134; p. 420.
- Roberts, E. C., Saltville, Va. Plaster board or plaque. No. 896,326; Aug. 18; Sp. p. 3080; Dr. p. 663; Gaz. vol. 135; p. 1447.
- Roberts, E. C., Saltville, Va. Hydraulic engine and pump. No. 896,327; Aug. 18; Sp. p. 3081; Dr. p. 663; Gaz. vol. 135; p. 1447.
- Roberts, E. W., New York, N. Y. Coin-receptacle. No. 877,951; Feb. 4; Sp. p. 109; Dr. p. 25; Gaz. vol. 132; p. 867.
- Roberts, E. W., Clyde, Ohio. Compressor. No. 883,347; Mar. 31; Sp. p. 5686; Dr. pp. 1214-15; Gaz. vol. 133; p. 1059.
- Roberts, F. C., Philadelphia, Pa. Relief-valve. No. 896,939; Aug. 25; Sp. p. 4355; Dr. p. 933; Gaz. vol. 135; p. 1670.
- Roberts, F. C., Philadelphia, Pa. Furnace bosh-jacket and bosh-plate. No. 897,016; Aug. 25; Sp. p. 4529; Dr. p. 969; Gaz. vol. 135; p. 1696.
- Roberts, F. W. (See Jackson and Roberts.)
- Roberts, G., Liverpool, England. Adjustable spanner. No. 896,157; Aug. 18; Sp. p. 2729; Dr. p. 588; Gaz. vol. 135; p. 1391.
- Roberts, G. E., and J. C. Sullivan, Valley Falls, R. I. Blowpipe for burning gas mixtures. No. 904,452; Nov. 17; Sp. p. 3923; Gaz. vol. 137; p. 696.
- Roberts, G. W., Wilmington, Del. Mail and express package handling device. No. 890,927; June 16; Sp. p. 3520; Dr. pp. 770-1; Gaz. vol. 134; p. 1680.
- Roberts, G. X., Brattleboro, Vt. Artificial limb. No. 876,017; Jan. 7; Sp. p. 643; Dr. p. 137; Gaz. vol. 132; p. 111.
- Roberts, H., Hydepark, Cal. Cotton-picker's knee-pad. No. 893,547; July 14; Sp. p. 2367; Dr. p. 495; Gaz. vol. 135; p. 412.
- Roberts, H. H., Lexington, Ky. Massage and vibratory dilator. No. 901,376; Oct. 20; Sp. p. 2712; Dr. p. 556; Gaz. vol. 136; p. 1561.
- Roberts, H. I., Liverpool, England. Baling and other press. No. 906,660; Dec. 15; Sp. p. 2979; Gaz. vol. 137; p. 1538.
- Roberts, H. P., Louisville, Ky. Box. No. 886,250; Apr. 28; Sp. p. 5280; Dr. pp. 1112-13; Gaz. vol. 133; p. 2121.
- Roberts, H. P., assignor to C. H. Goddard, Boston, Mass. Bottle-closure. No. 889,636; June 2; Sp. p. 873; Dr. p. 200; Gaz. vol. 134; p. 1200.
- Roberts, H. P., assignor, by mesne assignments, to National Binding Machine Company, Boston, Mass. Strip-serving device. No. 897,238; Aug. 25; Sp. p. 5106; Dr. p. 1066; Gaz. vol. 135; p. 1779.
- Roberts, H. P., assignor of one-half to J. C. Fennelly, Boston, Mass. Disinfecter for dentists' cuspidors. No. 905,369; Dec. 1; Sp. p. 482; Gaz. vol. 137; p. 1065.
- Roberts, H. P., assignor to Graves and Graves Company, Boston, Mass. Shoe-blackening kit. No. 906,742; Dec. 15; Sp. p. 3144; Gaz. vol. 137; p. 1565.
- Roberts, I. L., New York, N. Y. Producing nitric oxid. No. 902,607; Nov. 3; Sp. p. 157; Gaz. vol. 137; p. 26.
- Roberts, J. B., Goldsboro, N. C. Marker-gage for plows, corn-planters, and the like. No. 904,015; Nov. 17; Sp. p. 3001; Gaz. vol. 137; p. 547.
- Roberts, J. E. (See Crouse and Roberts.)
- Roberts, J. G., assignor to Western Electric Company, Chicago, Ill. Controlling mechanism for automatic exchanges. No. 875,951; Jan. 7; Sp. p. 502; Dr. pp. 108-10; Gaz. vol. 132; p. 91.
- Roberts, J. H., Darlington, England. Apparatus for annealing wire. No. 879,674; Feb. 18; Sp. p. 3677; Dr. pp. 768-9; Gaz. vol. 132; p. 1504.
- Roberts, J. M., Buchanan county, Mo. Traction-wheel. No. 903,231; Nov. 10; Sp. p. 1399; Gaz. vol. 137; p. 259.
- Roberts, J. R., Wilkes-Barre, Pa. Mine-car pedestal. No. 905,000; Nov. 24; Sp. p. 5082; Gaz. vol. 137; p. 906.
- Roberts, J. T., Rose Hill, Ill. Hog-scalding and feed-cooker. No. 887,964; May 19; Sp. p. 3307; Dr. pp. 694-5; Gaz. vol. 134; p. 595.
- Roberts, J. W., Denver, Colo. Wheel advertising device. No. 882,505; Mar. 17; Sp. p. 3980; Dr. p. 850; Gaz. vol. 133; p. 721.
- Roberts, L., Jackson, Mich. Type setting and distributing machine. No. 899,843; Sept. 29; Sp. p. 5172; Dr. pp. 1108-9; Gaz. vol. 136; p. 970.
- Roberts, L. E. (See Hillman and Roberts.)
- Roberts Lumber Company. (See Ware, J. L., assignor.)
- Roberts, O. W. (See Roberts, C. E. and O. W.)
- Roberts, R. G., North Yamhill, Ore. Axle-nut lock. No. 899,188; Sept. 22; Sp. p. 3851; Dr. p. 824; Gaz. vol. 136; p. 721.
- Roberts, R. W., Washington, D. C. Inking-pad receptacle. No. 876,398; Jan. 14; Sp. p. 1431; Dr. p. 307; Gaz. vol. 132; p. 266.
- Roberts, S. H., Joliet, Ill. Horseshoe-calk. No. 890,798; June 16; Sp. p. 3276; Dr. p. 717; Gaz. vol. 134; p. 1640.
- Roberts, S. S., Mexico, Mo. Wire-stretcher. No. 902,763; Nov. 3; Sp. p. 452; Gaz. vol. 137; p. 78.
- Roberts, T. A., Sutherland, Nebr. Beet-chopper. No. 877,737; Jan. 28; Sp. p. 4191; Dr. pp. 908-9; Gaz. vol. 132; p. 770.
- Roberts, V. R., South Bend, Ind. Fishing-reel. No. 904,016; Nov. 17; Sp. p. 3003; Gaz. vol. 137; p. 548.
- Roberts, W., and D. H. Holloway, Waterford, assignors to C. W. Scoville, Cohoes, N. Y. Damper-regulator. No. 904,894; Nov. 24; Sp. p. 4880; Gaz. vol. 137; p. 871.
- Roberts, W. A. (See Morris, N. E., Jr., assignor.)
- Roberts, W. A. (See Musclove and Roberts.)
- Roberts, W. A., Kansas City, Mo. Manure-pouch. No. 900,783; Oct. 13; Sp. p. 1522; Dr. p. 310; Gaz. vol. 136; p. 1333.
- Roberts, W. A., and F. W. Studt, Fern Ridge, Mo. Motor-truck valve-controlling mechanism. No. 891,007; June 16; Sp. p. 3706; Dr. pp. 808-9; Gaz. vol. 134; p. 1708.
- Roberts, W. T. (See Allison, H. W., assignor.)
- Robertson, A., assignor to Waite Thresher Company, Providence, R. I. Cuff-pin. No. 897,407; Sept. 1; Sp. p. 349; Dr. p. 73; Gaz. vol. 136; p. 53.
- Robertson, A. J., Chicago, Ill. Car-wheel. No. 895,685; Aug. 11; Sp. p. 1818; Dr. p. 387; Gaz. vol. 135; p. 1219.
- Robertson, C. H., Frederick, Md. Match-safe. No. 906,292; Dec. 8; Sp. p. 2317; Gaz. vol. 137; p. 1397.
- Robertson, C. O., assignor of one-half to E. Maerky, Philadelphia, Pa. Engine. No. 889,859; June 2; Sp. p. 1301; Dr. p. 298; Gaz. vol. 134; p. 1272.
- Robertson, D. N., Lynn, Mass. Skiving-machine. No. 890,928; June 16; Sp. p. 3524; Dr. pp. 771-2; Gaz. vol. 134; p. 1681.
- Robertson, D. R., Denver, Colo. Extracting metals. No. 886,866; May 5; Sp. p. 1067; Gaz. vol. 134; p. 175.
- Robertson, H. M. (See Gilman and Robertson.)
- Robertson, H. S., and J. R. Graham, Walthamstow, assignors to Robgrey & Company Limited, London, England. Production of artificial fuel and coke. No. 877,738; Jan. 28; Sp. p. 4194; Gaz. vol. 132; p. 770.
- Robertson, J., West Terry, near Dundee, Scotland. Flier spinning-frame. No. 905,231; Dec. 1; Sp. p. 221; Gaz. vol. 137; p. 1021.
- Robertson, J., Woburn, and J. S. Delaney, Somerville, assignors of one-third to A. W. Bliss, Brookline, Mass. Instrument for measuring the thickness of leather and other sheet material. No. 883,831; Apr. 7; Sp. p. 324; Dr. pp. 60-1; Gaz. vol. 133; p. 1243.
- Robertson, J., Woburn, and J. S. Delaney, Somerville, assignors of one-third to A. W. Bliss, Brookline, Mass. Thickness-measuring attachment for machines for measuring the areas of surfaces. No. 883,832; Apr. 7; Sp. p. 325; Dr. p. 61; Gaz. vol. 133; p. 1243.
- Robertson, J. F., Bellevue, Pa. Valve. No. 895,302; Aug. 4; Sp. p. 1076; Dr. p. 225; Gaz. vol. 135; p. 1076.
- Robertson, R. R., and I. J. Shifley, Chicago, Ill.; said Robertson assignor to said Shifley. Eaves-trough cap. No. 906,661; Dec. 15; Sp. p. 2982; Gaz. vol. 137; p. 1538.

Alphabetical list of patentees—Continued.

- Robertson, W. A., Newbern, assignor of one-fourth to E. W. Pou, Smithfield, N. C. Automatic pipe-coupling for cars. No. 877,866; Jan. 28; Sp. p. 4424; Dr. p. 963; Gaz. vol. 132; p. 811.
- Robesky, J., Bakersfield, Cal. Bread-maker's gage. No. 888,930; May 26; Sp. p. 5264; Dr. p. 1117; Gaz. vol. 134; p. 942.
- Robeson, J. H. (See Lorenz, J., assignor.)
- Robeson, R. E., and F. F. Schauweker, Cleveland, Ohio. Mud-guard. No. 896,580; Aug. 18; Sp. p. 3580; Dr. p. 771; Gaz. vol. 135; p. 1529.
- Robgrey & Company. (See Robertson and Graham, assignors.)
- Robidoux, E., Ludlow, assignor one-half to J. B. Bouchard, Chippewa Falls, Mass. Horseshoer's clenching-pliers. No. 881,619; Mar. 10; Sp. p. 2254; Dr. p. 489; Gaz. vol. 133; p. 406.
- Robinhold, H. J. (See Brewster, W. A., assignor.)
- Robino, T., Hazleton, Pa. Vehicle-brake. No. 889,720; June 2; Sp. p. 1046; Dr. p. 242; Gaz. vol. 134; p. 1226.
- Robins, C. H., Coeur d'Alene, Idaho. Drafting-tool. No. 903,779; Nov. 10; Sp. p. 2487; Gaz. vol. 137; p. 435.
- Robinson, A. J., Washington, D. C. Brace for concrete structures. No. 880,468; Feb. 25; Sp. p. 5324; Dr. p. 1120; Gaz. vol. 132; p. 1800.
- Robinson, A. J., Boston, Mass. Portiere-rod. No. 904,229; Nov. 17; Sp. p. 3471; Gaz. vol. 137; p. 622.
- Robinson, A. S. F., Beccles, England. Clutch. No. 881,028; Mar. 3; Sp. p. 1074; Dr. pp. 233-4; Gaz. vol. 133; p. 183.
- Robinson, A. W., Sierra Blanca, Tex. Hasp-fastener. No. 890,873; June 16; Sp. p. 3406; Dr. p. 747; Gaz. vol. 134; p. 1663.
- Robinson, B. F., Camp Hill, Ala. Seed-planter. No. 900,784; Oct. 13; Sp. p. 1523; Dr. p. 310; Gaz. vol. 136; p. 1333.
- Robinson, C., New York, N. Y. Ore-roaster. No. 908,425; Dec. 29; Sp. p. 6617; Gaz. vol. 137; p. 2188.
- Robinson, C. A., Wheeling, W. Va., assignor to American Sheet & Tin Plate Company, Pittsburg, Pa. Heating-furnace. No. 883,747; Apr. 7; Sp. p. 131; Dr. p. 24; Gaz. vol. 133; p. 1215.
- Robinson, C. J., and J. Backhouse, Rochdale, England, assignors to Thomas Robinson & Son Limited. Machine for separating dust or other particles from granular substances. No. 880,242; Feb. 25; Sp. p. 4859; Dr. pp. 1028-9; Gaz. vol. 132; p. 1724.
- Robinson, C. L., assignor of one-third to F. S. Streep, New York, N. Y. Reciprocating-motion printing-press. No. 876,590; Jan. 14; Sp. p. 1852; Dr. p. 405; Gaz. vol. 132; p. 333.
- Robinson, C. T., *et al.* (See Chapman, F. M., assignor.)
- Robinson, C. W., Hamilton, Ontario, Canada. Mowing-machine. No. 883,748; Apr. 7; Sp. p. 133; Dr. pp. 24-5; Gaz. vol. 133; p. 1215.
- Robinson Company. (See Robinson, F., assignor.)
- Robinson, E. M., and J. H. Deiter, Lancaster, Pa., assignors, by mesne assignments, to H. L. Hildreth, Boston, Mass. Candy-pulling machine. No. 881,442; Mar. 10; Sp. p. 1894; Dr. p. 412; Gaz. vol. 133; p. 346.
- Robinson, E. R., Chicago, Ill. Rail. No. 886,541; May 5; Sp. p. 390; Dr. p. 82; Gaz. vol. 134; p. 72.
- Robinson, E. R., Chicago, Ill. Cast-iron axle. No. 887,848; May 19; Sp. p. 3087; Dr. p. 647; Gaz. vol. 134; p. 557.
- Robinson, E. T., St. Louis, Mo. Convertible car. No. 878,899; Feb. 11; Sp. p. 2105; Dr. pp. 438-9; Gaz. vol. 132; p. 1212.
- Robinson, E. T., St. Louis, Mo. Fire-extinguisher. No. 897,017; Aug. 25; Sp. p. 4531; Dr. p. 969; Gaz. vol. 135; p. 1696.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Automobile door-hinge. No. 878,745; Feb. 11; Sp. p. 1802; Dr. p. 373; Gaz. vol. 132; p. 1163.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Semiconvertible car. No. 878,828; Feb. 11; Sp. p. 1964; Dr. pp. 406-7; Gaz. vol. 132; p. 1190.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Fireproof support for electrical wires in railway-cars. No. 896,463; Aug. 18; Sp. p. 3355; Dr. p. 722; Gaz. vol. 135; p. 1491.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Combined sash-holder and sash-lift. No. 896,464; Aug. 18; Sp. p. 3356; Dr. p. 723; Gaz. vol. 135; p. 1492.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Convertible automobile-body. No. 897,663; Sept. 1; Sp. p. 857; Dr. pp. 181-3; Gaz. vol. 136; p. 137.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Disappearing luggage-carrier for automobiles. No. 897,664; Sept. 1; Sp. p. 860; Dr. pp. 183-4; Gaz. vol. 136; p. 138.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Railway-car. No. 899,763; Sept. 29; Sp. p. 4999; Dr. p. 1071; Gaz. vol. 136; p. 943.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Garment, umbrella, and cane rack for automobiles. No. 904,150; Nov. 17; Sp. p. 3280; Gaz. vol. 137; p. 595.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Hood for automobiles. No. 904,151; Nov. 17; Sp. p. 3281; Gaz. vol. 137; p. 595.
- Robinson, E. T., assignor to St. Louis Car Company, St. Louis, Mo. Canopy for automobiles. No. 905,001; Nov. 24; Sp. p. 5083; Gaz. vol. 137; p. 907.
- Robinson, E. V. (See Bates and Robinson.)
- Robinson, F., assignor to Robinson Company, Bangor, Me. Clamp-anchor. No. 888,931; May 26; Sp. p. 5265; Dr. p. 1117; Gaz. vol. 134; p. 943.
- Robinson, F., assignor of one-half to A. A. Jones and J. W. Hagerlund, Mesa, Ariz. Ter. Cooking utensil. No. 902,111; Oct. 27; Sp. p. 4273; Dr. p. 666; Gaz. vol. 136; p. 1832.
- Robinson, F. T., Chicago, Ill., assignor to Twin Bottle-Cap Company. Combined metallic and frangible cap for bottles. No. 882,912; Mar. 24; Sp. p. 4824; Dr. p. 1024; Gaz. vol. 133; p. 887.
- Robinson, G. A., Bonner Springs, Kans. Switch-frog. No. 908,037; Dec. 29; Sp. p. 5798; Gaz. vol. 137; p. 2054.
- Robinson, G. H., Sunderland, assignor to Beldam Packing & Rubber Company, London, England. Gland for rods and plungers. No. 887,128; May 12; Sp. p. 1569; Dr. p. 333; Gaz. vol. 134; p. 288.
- Robinson, G. M. (See Young and Robinson.)
- Robinson, H. (See Robinson, R., assignor.)
- Robinson, H., Waco, Tex. Medicating and massaging appliance. No. 889,810; June 2; Sp. p. 1204; Dr. p. 278; Gaz. vol. 134; p. 1255.
- Robinson, H., Brooklyn, assignor of one-third to H. S. Mackaye, Yonkers, N. Y. Machine for distributing soap. No. 896,759; Aug. 25; Sp. p. 3948; Dr. p. 851; Gaz. vol. 135; p. 1609.
- Robinson, H., Hanover, Pa., assignor to Miller Brothers Cutlery Company, Meriden, Conn. Grinding-machine. No. 908,141; Dec. 29; Sp. p. 6005; Gaz. vol. 137; p. 2089.
- Robinson, H. B., Hartford, Conn. Grinding-machine. No. 905,461; Dec. 1; Sp. p. 700; Gaz. vol. 137; p. 1096.
- Robinson, H. G. (See Robinson, J. G. and H. G.)
- Robinson, H. G., Sandusky, Ohio. Safety-stop for steam-turbines. No. 879,121; Feb. 11; Sp. p. 2537; Dr. p. 527; Gaz. vol. 132; p. 1281.
- Robinson, H. J., Cleveland, Ohio. Wall-support for pipes. No. 887,272; May 12; Sp. p. 1888; Dr. p. 399; Gaz. vol. 134; p. 334.
- Robinson, H. L., Lake Charles, La. Tile-fastener. No. 876,399; Jan. 14; Sp. p. 1432; Dr. p. 307; Gaz. vol. 132; p. 266.
- Robinson, H. M., Eversley, Sawbridgeworth, England. Paneling. No. 885,524; Apr. 21; Sp. p. 3809; Dr. p. 800; Gaz. vol. 133; p. 1855.
- Robinson, H. O., Brookline, and C. Steadman, Salem, Mass. Drying-floor. No. 886,251; Apr. 28; Sp. p. 5282; Dr. p. 1113; Gaz. vol. 133; p. 2122.
- Robinson, J. A., Denver, Colo. Holder for fountain-pens. No. 891,187; June 16; Sp. p. 4025; Dr. p. 882; Gaz. vol. 134; p. 1764.
- Robinson, J. A., Denver, Colo. Alarm. No. 898,992; Sept. 15; Sp. p. 3459; Dr. p. 741; Gaz. vol. 136; p. 629.
- Robinson, J. E., Fayetteville, Tenn. Harrow. No. 897,150; Aug. 25; Sp. p. 4793; Dr. p. 1020; Gaz. vol. 135; p. 1740.
- Robinson, J. E., Chicago, Ill. Vehicle-tire protector. No. 900,785; Oct. 13; Sp. p. 1525; Dr. p. 310; Gaz. vol. 136; p. 1333.
- Robinson, J. G. and H. G., Holyoke, Mass. Fire-extinguishing apparatus. No. 900,596; Oct. 6; Sp. p. 1117; Dr. p. 229; Gaz. vol. 136; p. 1245.
- Robinson, J. S., Gaffney, S. C. Combined coat, hat, and umbrella hanger. No. 889,721; June 2; Sp. p. 1048; Dr. p. 242; Gaz. vol. 134; p. 1227.
- Robinson, J. S., Gaffney, S. C. Bicycle-pump. No. 903,780; Nov. 10; Sp. p. 2488; Gaz. vol. 137; p. 435.
- Robinson, J. W., Morrilton, Ark. Gate. No. 886,867; May 5; Sp. p. 1067; Dr. pp. 224-5; Gaz. vol. 134; p. 175.
- Robinson, L., *et al.* (See McMurry, E. H., assignor.)
- Robinson, L. C., and J. B. Gaylor, Thermopolis, Wyo., assignors to Pneumatic Water Lift Power & Irrigation Co., Denver, Colo. Rotary pump. No. 896,581; Aug. 18; Sp. p. 3582; Dr. p. 771; Gaz. vol. 135; p. 1529.
- Robinson, L. E., Butler, Pa. Well-packer. No. 881,154; Mar. 10; Sp. p. 1322; Dr. p. 285; Gaz. vol. 133; p. 255.
- Robinson, L. G. (See Pitt and Robinson.)
- Robinson, L. G., Newport, Ky., and L. J. Hanhart, assignors to J. A. Fay & Egan Company, Cincinnati, Ohio. Board-edging machine. No. 877,124; Jan. 21; Sp. p. 2967; Dr. pp. 641-2; Gaz. vol. 132; p. 550.
- Robinson, L. S., Alameda, Cal. Dental tool. No. 876,842; Jan. 14; Sp. p. 2336; Dr. p. 513; Gaz. vol. 132; p. 413.
- Robinson, L. T., Schenectady, N. Y., assignor to General Electric Company. Electrical recording instrument. No. 882,586; Mar. 24; Sp. p. 4162; Dr. pp. 882-3; Gaz. vol. 133; p. 780.
- Robinson, M. J., Longbeach, Cal. Transmission-gear. No. 907,289; Dec. 22; Sp. p. 4232; Gaz. vol. 137; p. 1779.
- Robinson, M. V., and J. S. Seybert, Chicora, Pa. Gas-engine. No. 891,735; June 23; Sp. p. 5182; Dr. p. 1119; Gaz. vol. 134; p. 1977.
- Robinson, O. C., *et al.* (See Chapman, F. M., assignor.)
- Robinson, P. H., assignor to O. K. Tool Holder Company, Shelton, Conn. Tool-holder. No. 878,672; Feb. 11; Sp. p. 1665; Dr. p. 343; Gaz. vol. 132; p. 1140.

Alphabetical list of patentees—Continued.

- Robinson, Q. F., *et al.* (See Buren, C. C., assignor.)
 Robinson, R., assignor of one-half to H. Robinson, Wakefield, Nebr. Corn-harvester. No. 888,353; May 19; Sp. p. 4037; Dr. pp. 851-2; Gaz. vol. 134; p. 719.
 Robinson, R. B., Kansas City, Mo. Velocipede. No. 906,293; Dec. 8; Sp. p. 2317; Gaz. vol. 137; p. 1398.
 Robinson, R. F., and J. H. Grittnr, assignors of one-third to A. Rogers and I. W. Pence, Cleveland, Ohio. Means for fastening glass plates in show-cases and store-fronts. No. 890,799; June 16; Sp. p. 3277; Dr. p. 718; Gaz. vol. 134; p. 1641.
 Robinson, R. H., *et al.* (See Stapleford and Wagner, assignors.)
 Robinson, R. R., *et al.* (See Buren, C. C., assignor.)
 Robinson, S., Vinton, Iowa. Beater for manure-spreaders. No. 892,451; July 7; Sp. p. 122; Dr. pp. 26-7; Gaz. vol. 135; p. 25.
 Robinson, S. A., Northville, N. Y. Glove-turner. No. 881,155; Mar. 10; Sp. p. 1326; Dr. p. 286; Gaz. vol. 133; p. 256.
 Robinson, S. R. V. (See McDougall and Robinson.)
 Robinson, S. W., assignor to Robinson-Tilton Machinery Company, Columbus, Ohio. Angle-coupling. No. 881,958; Mar. 17; Sp. p. 2953; Dr. p. 629; Gaz. vol. 133; p. 544.
 Robinson, T., Haverhill, Mass. Tag-holder. No. 879,493; Feb. 13; Sp. p. 3286; Dr. p. 687; Gaz. vol. 132; p. 1445.
 Robinson, T., Low Bentham, England. Pressure-reducing valve. No. 892,450; July 7; Sp. p. 121; Dr. p. 26; Gaz. vol. 135; p. 24.
 Robinson, T. E. (See Niday, J. W., assignor.)
 Robinson, T. F., Harrogate, England. Folding and adjustable chair. No. 900,885; Oct. 13; Sp. p. 1738; Dr. p. 351; Gaz. vol. 136; p. 1366.
 Robinson, T. O. (See Kendall and Robinson.)
 Robinson-Tilton Machinery Company. (See Robinson, S. W., assignor.)
 Robinson, W., Ottumwa, Iowa. Mail-bag catcher. No. 898,265; Sept. 8; Sp. p. 2086; Dr. p. 443; Gaz. vol. 136; p. 361.
 Robinson, W., Brooklyn, N. Y. Electric-railway system. No. 901,377; Oct. 20; Sp. p. 2713; Dr. pp. 556-7; Gaz. vol. 136; p. 1561.
 Robinson, W., Brooklyn, N. Y. Electric-railway system. No. 901,378; Oct. 20; Sp. p. 2717; Dr. p. 557; Gaz. vol. 136; p. 1562.
 Robinson, W., Brooklyn, N. Y. Electric-railway system. No. 901,379; Oct. 20; Sp. p. 2725; Dr. p. 558; Gaz. vol. 136; p. 1562.
 Robinson, W., Brooklyn, N. Y. Electric-railway system. No. 901,380; Oct. 20; Sp. p. 2731; Dr. p. 558; Gaz. vol. 136; p. 1563.
 Robinson, W., Brooklyn, N. Y. Electric-railway system. No. 901,381; Oct. 20; Sp. p. 2736; Dr. p. 559; Gaz. vol. 136; p. 1564.
 Robinson, W., Brooklyn, N. Y. Electric-railway system. No. 901,382; Oct. 20; Sp. p. 2739; Dr. p. 559; Gaz. vol. 136; p. 1565.
 Robinson, W., Brooklyn, N. Y. Electric-railway system. No. 901,383; Oct. 20; Sp. p. 2746; Dr. p. 560; Gaz. vol. 136; p. 1565.
 Robinson, W., Brooklyn, N. Y. Electric-railway system. No. 901,477; Oct. 20; Sp. p. 2969; Dr. p. 606; Gaz. vol. 136; p. 1597.
 Robinson, W. E. (See Chaplin, E. D., assignor.)
 Robinson, W. E. (See Chase, C., assignor.)
 Robinson, W. E., assignor, by mesne assignments, to American Woven Lath Company, Washington, D. C. Woven lathing and treating same. No. 880,098; Feb. 25; Sp. p. 4556; Dr. pp. 959-60; Gaz. vol. 132; p. 1675.
 Robinson, W. T., assignor of one-half to H. A. Bateman, New York, N. Y. Necktie-fastener. No. 890,800; June 16; Sp. p. 3278; Dr. p. 718; Gaz. vol. 134; p. 1641.
 Robinson, W. W., assignor to Ideal Manufacturing Company, Des Moines, Iowa. Account-keeping device. No. 885,957; Apr. 28; Sp. p. 4726; Dr. p. 994; Gaz. vol. 133; p. 2027.
 Robinson, W. W., assignor to Ideal Manufacturing Company, Des Moines, Iowa. Individual-account-keeping apparatus. No. 885,958; Apr. 28; Sp. p. 4728; Dr. p. 994; Gaz. vol. 133; p. 2027.
 Robinson, W. W., West New York, N. J., assignor to Witherbee Igniter Company. Timer. No. 888,195; May 19; Sp. p. 3734; Dr. p. 783; Gaz. vol. 134; p. 668.
 Robisch, J. W., Jefferson, Wis. Sifter. No. 892,892; July 7; Sp. p. 1014; Dr. p. 212; Gaz. vol. 135; p. 168.
 Robischung, H. B., Cloverdale, Mich., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-head. No. 906,162; Dec. 8; Sp. p. 2060; Gaz. vol. 137; p. 1353.
 Robison, E. J., Laclede, Mo. Reclining-chair. No. 890,454; June 9; Sp. p. 2525; Dr. p. 559; Gaz. vol. 134; p. 1492.
 Robison, T. J., Curwensville, Pa. Hand-stamp. No. 890,529; June 9; Sp. p. 2674; Dr. p. 590; Gaz. vol. 134; p. 1517.
 Roblyer, W. W., Clearwater, Kans. Automatic change-maker. No. 899,704; Sept. 23; Sp. p. 4862; Dr. pp. 1043-4; Gaz. vol. 136; p. 921.
 Robson, G., Sidney, New South Wales, Australia. Gas lighting and extinguishing mechanism. No. 882,967; Mar. 24; Sp. p. 4930; Dr. pp. 1046-7; Gaz. vol. 133; p. 907.
 Robson, J., Wallsend, assignor to Clarke Chapman & Company Limited, Durham, England. Ammonia apparatus. No. 883,487; Mar. 31; Sp. p. 6005; Dr. pp. 1281-3; Gaz. vol. 133; p. 1107.
 Robson, T., and W. G. Fisher, Alliston, Ontario, Canada. Shock-loader. No. 891,008; June 16; Sp. p. 3709; Dr. pp. 809-10; Gaz. vol. 134; p. 1708.
 Roby, L. E., and C. A. Pattison, Peoria, Ill. Distributing-fan. No. 892,553; July 7; Sp. p. 307; Dr. p. 67; Gaz. vol. 135; p. 58.
 Roby, L. E., and C. A. Pattison, Peoria, Ill. Fertilizer-distributor. No. 900,124; Oct. 6; Sp. p. 115; Dr. pp. 23-4; Gaz. vol. 136; p. 1091.
 Roby, S. H., Dublin, Ga. Delivery apparatus for delivering mail, parcels, or the like. No. 905,370; Dec. 1; Sp. p. 483; Gaz. vol. 137; p. 1065.
 Rocco, G., Trieste, Austria-Hungary. Acetylene-generator. No. 892,893; July 7; Sp. p. 1016; Dr. p. 213; Gaz. vol. 135; p. 168.
 Roche, H. N., assignor of one-half to T. B. Gray, San Francisco, Cal. Electric water-heater. No. 884,343; Apr. 7; Sp. p. 1351; Dr. p. 289; Gaz. vol. 133; p. 1410.
 Roche, W. E. (See McNutt, W. H., assignor.)
 Roche, W. J., New Bethlehem, Pa. Interest-calculator. No. 877,230; Jan. 21; Sp. p. 3194; Dr. p. 693; Gaz. vol. 132; p. 587.
 Roche, W. J., assignor to W. P. Todd, New Bethlehem, Pa. Ice-creeper. No. 896,158; Aug. 18; Sp. p. 2730; Dr. p. 588; Gaz. vol. 135; p. 1391.
 Rocheleau, L. T. (See Rocheleau, W. C. and L. T.)
 Rocheleau, W. C. and L. T., Woonsocket, R. I. Pneumatic tire. No. 897,151; Aug. 25; Sp. p. 4794; Dr. p. 1021; Gaz. vol. 135; p. 1741.
 Rochelle, F. W., assignor to Ivins, Dietz & Metzger Company, Philadelphia, Pa. Pile-wire supporter for looms. No. 898,928; Sept. 15; Sp. p. 3345; Dr. pp. 717-18; Gaz. vol. 136; p. 608.
 Rochester Surgical Appliance Company. (See Brice, A. W., assignor.)
 Rochford, T. P., Valdez, Alaska. Mining-dredge. No. 886,728; May 5; Sp. p. 804; Dr. p. 166; Gaz. vol. 134; p. 134.
 Rochford, T. P., Seattle, Wash. Excavator. No. 886,729; May 5; Sp. p. 807; Dr. pp. 166-7; Gaz. vol. 134; p. 134.
 Röchling, H., and W. Rodenhauser, Völklingen-on-the-Saar, Germany. Means for obtaining thin liquid dross in electric furnaces for metallurgical purposes. No. 877,739; Jan. 28; Sp. p. 4197; Dr. p. 909; Gaz. vol. 132; p. 771.
 Rochow, F. J., New York, N. Y., assignor to Central Fish Company. Vehicle for transporting live fish. No. 881,488; Mar. 10; Sp. p. 1991; Dr. pp. 434-5; Gaz. vol. 133; p. 362.
 Rock Island Plow Company. (See Johnson, W. E., assignor.)
 Rock, T. J. (See Overall and Rock.)
 Rocker-Swing Company. (See Chapman and Cromley, assignors.)
 Rockford Cabinet Company. (See Abramson and Person, assignors.)
 Rockford Cabinet Company. (See Person, W., assignor.)
 Rockhill, C., New York, N. Y. Projectile. No. 875,952; Jan. 7; Sp. p. 519; Dr. p. 111; Gaz. vol. 132; p. 91.
 Rockstroh, M., Klein-Sedlitz, Germany. Platen printing-press. No. 878,426; Feb. 4; Sp. p. 1067; Dr. p. 216; Gaz. vol. 132; p. 1024.
 Rockstroh, M., Klein-Sedlitz, near Pirna, Germany. Clutch-operating device. No. 879,005; Feb. 11; Sp. p. 2298; Dr. p. 483; Gaz. vol. 132; p. 1245.
 Rockstroh, M., Klein-Sedlitz, near Pirna, Germany. Duplex inking-gear for platen printing and for die presses. No. 890,455; June 9; Sp. p. 2526; Dr. p. 559; Gaz. vol. 134; p. 1493.
 Rockstroh, M., Klein-Sedlitz, Germany. Attachment for printing-presses. No. 897,152; Aug. 25; Sp. p. 4796; Dr. p. 1021; Gaz. vol. 135; p. 1741.
 Rockstroh, M., Klein-Sedlitz, near Pirna, Germany. Blanket-holding attachment. No. 899,326; Sept. 22; Sp. p. 4123; Dr. p. 881; Gaz. vol. 136; p. 765.
 Rockstroh, M., Klein-Sedlitz, near Pirna, Germany. Safety device for platen printing-presses. No. 908,330; Dec. 29; Sp. p. 6418; Gaz. vol. 137; p. 2154.
 Rockwell, A. F., assignor to New Departure Manufacturing Company, Bristol, Conn. Gearing. No. 889,152; May 26; Sp. p. 5710; Dr. p. 1209; Gaz. vol. 134; p. 1013.
 Rockwell, B. C., Malvern, Ark. Window-screen. No. 883,348; Mar. 31; Sp. p. 5690; Dr. p. 1215; Gaz. vol. 133; p. 1059.
 Rockwell, E. C., *et al.* (See Lewis, S. T., assignor.)
 Rockwell, E. D., assignor, by mesne assignments, to New Departure Manufacturing Company, Bristol, Conn. Trolley harp and wheel. No. 884,684; Apr. 14; Sp. p. 2089; Dr. p. 446; Gaz. vol. 133; p. 1551.
 Rockwell, W., assignor to Day Time Register Company, Syracuse, N. Y. Workman's time-controller. No. 898,508; Sept. 15; Sp. p. 2556; Dr. p. 548; Gaz. vol. 136; p. 472.
 Rockwood, B. B., Lyons, Iowa. Rotary engine. No. 905,371; Dec. 1; Sp. p. 486; Gaz. vol. 137; p. 1066.
 Rockwood, G. G., New York, N. Y. Shirt. No. 886,410; May 5; Sp. p. 146; Dr. p. 30; Gaz. vol. 134; p. 29.
 Rockwood, G. I., Worcester, Mass. Automatic sprinkler system. No. 894,904; Aug. 4; Sp. p. 237; Dr. p. 51; Gaz. vol. 135; p. 935.

Alphabetical list of patentees—Continued.

- Rockwood, G. I., Worcester, Mass. Automatic sprinkler. No. 900,886; Oct. 13; Sp. p. 1739; Dr. p. 351; Gaz. vol. 136; p. 1366.
- Rockwood, R. A., assignor of one-half to C. T. Stewart, Monrovia, Cal. Electric gas-lighter. No. 887,965; May 19; Sp. p. 3308; Dr. p. 695; Gaz. vol. 134; p. 596.
- Röd, L., Montreal, Quebec, Canada. Bag-closing device. No. 875,953; Jan. 7; Sp. p. 521; Dr. p. 111; Gaz. vol. 132; p. 91.
- Röd, L., Montreal, Quebec, Canada. Non-refillable bottle. No. 881,959; Mar. 17; Sp. p. 2955; Dr. p. 629; Gaz. vol. 133; p. 544.
- Rodd, R. J., Cuyahoga Falls, Ohio. Nut-feeding mechanism. No. 884,211; Apr. 7; Sp. p. 1126; Dr. p. 236; Gaz. vol. 133; p. 1368.
- Rodda, H. (See Werd, Rodda, and Viol.)
- Rodden, W. H., Elizabeth, and C. E. Gray, Hanover, Ill. Cattle-stanchion. No. 889,045; May 26; Sp. p. 5473; Dr. p. 1164; Gaz. vol. 134; p. 978.
- Roddy, J. B., Ridgedale, Tenn. Mail-bag-delivery apparatus. No. 903,407; Nov. 10; Sp. p. 1726; Gaz. vol. 137; p. 315.
- Rodé, C., and M. Picard, La Chaux-de-Fonds, Switzerland. Instrument for measuring the distance between bearings of moving parts. No. 893,753; July 21; Sp. p. 2875; Dr. p. 591; Gaz. vol. 135; p. 510.
- Rode, R., Kragerø, Norway. Bed for the sick. No. 876,238; Jan. 7; Sp. p. 1070; Dr. p. 232; Gaz. vol. 132; p. 181.
- Rodemeyer, E. D., Latimer, Iowa. Attachment for grain-binders. No. 899,619; Sept. 29; Sp. p. 4713; Dr. p. 1009; Gaz. vol. 136; p. 897.
- Rodenberger, W. S., Linton, Ind. Graphophone attachment. No. 904,453; Nov. 17; Sp. p. 3925; Gaz. vol. 137; p. 696.
- Rodenhauser, W. (See Röchling and Rodenhauser.)
- Roderick, D. A., Mason City, Iowa. Belt-thrower. No. 904,648; Nov. 24; Sp. p. 4345; Gaz. vol. 137; p. 789.
- Rodger Ballast Car Company. (See Neikirk, J. O., assignor.)
- Rodgers, C., Knoxville, Tenn. Automobile. No. 894,055; July 21; Sp. p. 3513; Dr. pp. 719-20; Gaz. vol. 135; p. 611.
- Rodgers, H. H., Good Hope, Ohio. Mold for fence-posts. No. 883,569; Mar. 31; Sp. p. 6172; Dr. p. 1313; Gaz. vol. 133; p. 1130.
- Rodgers, J. D., Georgetown, Ky. Farm-gate. No. 901,648; Oct. 20; Sp. p. 3303; Dr. p. 677; Gaz. vol. 136; p. 1651.
- Rodgers, J. D., Georgetown, Ky. Wire tightener and splicer. No. 902,764; Nov. 3; Sp. p. 454; Gaz. vol. 137; p. 78.
- Rodgers, L. J., assignor to Rose, Rodgers & Rose, Chicago, Ill. Coat-collar. No. 898,140; Sept. 8; Sp. p. 1855; Dr. p. 396; Gaz. vol. 136; p. 322.
- Rodgers, R. A., and W. R. Henderson, Steubenville, Ohio. Can-opener. No. 898,605; Sept. 15; Sp. p. 2748; Dr. p. 587; Gaz. vol. 136; p. 503.
- Rodies, W. F., Manchester, Iowa. Seed-planter. No. 897,153; Aug. 25; Sp. p. 4797; Dr. p. 1021; Gaz. vol. 135; p. 1741.
- Rodiger, W., Chicago, Ill. Paste-cup. No. 893,657; July 21; Sp. p. 2604; Dr. p. 543; Gaz. vol. 135; p. 476.
- Rodler, F. W., assignor to Victor Safe & Lock Company, Cincinnati, Ohio. Gravitating hinge for day-gates. No. 898,005; Sept. 8; Sp. p. 1578; Dr. p. 337; Gaz. vol. 136; p. 280.
- Rodman, H., assignor to Electric Storage Battery Company, Philadelphia, Pa. Electrolytic reduction of metallic compounds. No. 884,763; Apr. 14; Sp. p. 2258; Gaz. vol. 133; p. 1579.
- Rodman, O., Maxwell, Cal. Grapple. No. 885,297; Apr. 21; Sp. p. 3354; Dr. p. 701; Gaz. vol. 133; p. 1783.
- Rodman, W. B., Charleston, S. C. Hinge. No. 879,067; Feb. 11; Sp. p. 2401; Dr. p. 502; Gaz. vol. 132; p. 1264.
- Rodman, W. B., Charleston, S. C. Hinge. (Reissue.) No. 12,876; Nov. 10; Sp. p. 2592; Gaz. vol. 137; p. 453.
- Rodney, M., Iowa Falls, Iowa. Hinge for window-sashes, &c. No. 893,594; July 14; Sp. p. 2469; Dr. p. 513; Gaz. vol. 135; p. 426.
- Rodrigues-Ely, C., and E. Gauthier, Paris, France. Heating and welding metals. No. 880,099; Feb. 25; Sp. p. 4558; Dr. p. 960; Gaz. vol. 132; p. 1675.
- Rodrigues, M. R., New York, N. Y. Combined seat and table. No. 885,649; Apr. 21; Sp. p. 4066; Dr. p. 850; Gaz. vol. 133; p. 1893.
- Rodriguez, E., Chiswick, London, England. Spring-wheel for motor-cars and other vehicles. No. 892,452; July 7; Sp. p. 124; Dr. p. 27; Gaz. vol. 135; p. 25.
- Rodriguez, G., Castroville, Cal. Feed-bag. No. 886,252; Apr. 28; Sp. p. 5284; Dr. p. 1113; Gaz. vol. 133; p. 2122.
- Rodwell, G. J. B., assignor to Rodwell Sign Company, Buffalo, N. Y. Sign. No. 896,328; Aug. 18; Sp. p. 3084; Dr. p. 664; Gaz. vol. 135; p. 1447.
- Rodwell Sign Company. (See Rodwell, G. J. B., assignor.)
- Roe, E. S. (See Markham and Roe.)
- Roe, J. P., Pottstown, Pa. Oscillating puddling-furnace. No. 881,342; Mar. 10; Sp. p. 1688; Dr. pp. 364-5; Gaz. vol. 133; p. 315.
- Roe, L. W. (See Ditwiler, H. B., assignor.)
- Roe, N., Patchogue, N. Y. Means for operating roller-awnings. No. 895,200; Aug. 4; Sp. p. 852; Dr. p. 179; Gaz. vol. 135; p. 1036.
- Roebeling Construction Company. (See Wendell, F. J., assignor.)
- Roebuck, A. C., Chicago, Ill. Separator-strip for slide-racks. No. 892,684; July 7; Sp. p. 567; Dr. p. 120; Gaz. vol. 135; p. 100.
- Roeder, C. K., administratrix. (See Roeder, G. H.)
- Roeder, G. H., deceased, Philadelphia, Pa.; C. K. Roeder, administratrix, assignor to E. F. Greeff, A. Tilt, New York, and C. C. Rossire, Yonkers, N. Y. Producing fibers from rhea-plants. No. 881,489; Mar. 10; Sp. p. 1994; Gaz. vol. 133; p. 362.
- Roediger, P. L., Pleasantville, N. J. Jar and bottle closure. No. 890,302; June 9; Sp. p. 2252; Dr. p. 495; Gaz. vol. 134; p. 1445.
- Roehr, C. G., Chicago, Ill. Wave and current motor. No. 889,153; May 26; Sp. p. 5714; Dr. p. 1209; Gaz. vol. 134; p. 1013.
- Roehr, C. G., Chicago, Ill. Wave, tide, and current motor. No. 897,930; Sept. 8; Sp. p. 1423; Dr. pp. 304-5; Gaz. vol. 136; p. 255.
- Roehrig, G. H. A., Sheridan, Pa. Display-package. No. 903,005; Nov. 3; Sp. p. 956; Gaz. vol. 137; p. 158.
- Roesen, O., assignor to R. Hoe, New York, N. Y. Folder. No. 878,829; Feb. 11; Sp. p. 1966; Dr. p. 407; Gaz. vol. 132; p. 1190.
- Roesken, G. and M. J., Dayton, Ohio. Shoe and boot scraper. No. 890,097; June 9; Sp. p. 1801; Dr. p. 399; Gaz. vol. 134; p. 1378.
- Roesken, M. J. (See Roesken, G. and M. J.)
- Roess, L. J. (See Steirly, J. C. R., assignor.)
- Roesser, J. (See Piziczik, S., assignor.)
- Roessler & Hasslacher Chemical Co. (See Foersterling, H., assignor.)
- Roessler & Hasslacher Chemical Co. (See Foersterling and Carveth, assignors.)
- Roessler & Hasslacher Chemical Co. (See Foersterling and Philipp, assignors.)
- Roessler & Hasslacher Chemical Company. (See Brindley, G. F., assignor.)
- Roessler & Hasslacher Chemical Company. (See Fritsche, G., assignor.)
- Roest, A., Amsterdam, assignor to Maatschappij tot Vervaardiging van Snijmachines Volgens "Van Berkel's Patent" en Van Andere Werktuigen, Rotterdam, Netherlands. Knife-guard for meat-slicing machines. No. 897,018; Aug. 25; Sp. p. 4532; Dr. p. 969; Gaz. vol. 135; p. 1697.
- Roesti, P. G. (See Schneider and Roesti.)
- Roettger, W. F., Ronneby, Minn. Bolster-stake for sleighs. No. 890,098; June 9; Sp. p. 1802; Dr. p. 399; Gaz. vol. 134; p. 1378.
- Roever, A. E., Buffalo, N. Y. Fastener for roofing. No. 876,843; Jan. 14; Sp. p. 2337; Dr. p. 513; Gaz. vol. 132; p. 413.
- Roever, J., assignor to National Patent Company, New York, N. Y. Carriage-feed for phonograph-machines. No. 880,100; Feb. 25; Sp. p. 4559; Dr. p. 960; Gaz. vol. 132; p. 1676.
- Roever, J., assignor to National Patent Company, New York, N. Y. Registering mechanism for multiple phonographs. No. 883,970; Apr. 7; Sp. p. 610; Dr. p. 121; Gaz. vol. 133; p. 1289.
- Roever, J., assignor to National Patent Company, New York, N. Y. Multiple phonograph-machine. No. 883,971; Apr. 7; Sp. p. 611; Dr. pp. 121-2; Gaz. vol. 133; p. 1289.
- Rogan, C., et al. (See Ferriotti, C. L., assignor.)
- Rogan, A. A., Plymouth, Mass. Car-fender. No. 888,656; May 26; Sp. p. 4682; Dr. pp. 994-5; Gaz. vol. 134; p. 853.
- Roger, J. H., Philadelphia, Pa. Car-brake. No. 893,376; July 14; Sp. p. 1977; Dr. p. 415; Gaz. vol. 135; p. 356.
- Rogers, A., et al. (See Conley, C. M., assignor.)
- Rogers, A., et al. (See Robinson and Grittner, assignors.)
- Rogers, A. (See Rogers, S., assignor.)
- Rogers, A. R., Jonesport, Me. Ship-cleaning apparatus. No. 883,423; Mar. 31; Sp. p. 5874; Dr. p. 1252; Gaz. vol. 133; p. 1085.
- Rogers Addresser Company. (See Rogers, R. N., assignor.)
- Rogers, B. F., and E. L. Rucker, Lewiston, Idaho. Attachment for harvesters and separators. No. 883,424; Mar. 31; Sp. p. 5876; Dr. p. 1252; Gaz. vol. 133; p. 1085.
- Rogers, C. B., and J. W. Gardner, St. Peter, Minn. Laundry appliance. No. 901,836; Oct. 20; Sp. p. 3706; Dr. pp. 752-3; Gaz. vol. 136; p. 1713.
- Rogers, C. E., Seattle, Wash., assignor, by mesne assignments, to Rogers Therapeutic Lamp Company, Phoenix, Ariz. Ter. Means for producing and utilizing rays of light for therapeutic purposes. No. 894,166; July 21; Sp. p. 3721; Dr. p. 770; Gaz. vol. 135; p. 646.
- Rogers, C. P., Jr., Corry, Pa. Crutch-tip. No. 877,231; Jan. 21; Sp. p. 3195; Dr. p. 693; Gaz. vol. 132; p. 587.
- Rogers, C. S., assignor to A. C. Beaver and H. Williams, Hot Springs, Ark. Eye-screen for horses. No. 903,108; Nov. 3; Sp. p. 1153; Gaz. vol. 136; p. 187.
- Rogers, C. T. and R. R., Detroit, Mich. Superheater for vacuum-condensers. No. 896,247; Aug. 18; Sp. p. 2906; Dr. p. 626; Gaz. vol. 135; p. 1422.
- Rogers, C. T. and R. R., Detroit, Mich. Vacuum condenser. No. 896,414; Aug. 18; Sp. p. 3259; Dr. p. 698; Gaz. vol. 135; p. 1475.
- Rogers, E. S., Knoxville, Tenn. Pessary. No. 880,101; Feb. 25; Sp. p. 4561; Dr. p. 960; Gaz. vol. 132; p. 1676.
- Rogers, F. H., assignor of one-half to T. Wiesendanger, Los Angeles, Cal. Key-fastener for locks. No. 880,102; Feb. 25; Sp. p. 4562; Dr. p. 961; Gaz. vol. 132; p. 1676.

Alphabetical list of patentees—Continued.

- Rogers, F. J. (See White and Rogers.)
 Rogers, F. O., Frenchtown, N. J. Cord-attaching device for shipping-tags. No. 896,248; Aug. 18; Sp. p. 2907; Dr. p. 627; Gaz. vol. 135; p. 1423.
 Rogers, G. R., Russellville, Ind. Farm-gate. No. 908,331; Dec. 29; Sp. p. 6419; Gaz. vol. 137; p. 2155.
 Rogers, H. A., Pagosa Junction, Colo. Aquarium attachment. No. 894,056; July 21; Sp. p. 3515; Dr. p. 720; Gaz. vol. 135; p. 611.
 Rogers, H. C., St. Louis, Mo. Barrel-heater. No. 898,065; Sept. 8; Sp. p. 1711; Dr. p. 363; Gaz. vol. 136; p. 299.
 Rogers, J., Chicago, Ill. Vehicle-top. No. 880,574; Mar. 3; Sp. p. 177; Dr. p. 38; Gaz. vol. 133; p. 32.
 Rogers, J., Bridgeport, Conn. Education-valve for air-compressors. No. 894,905; Aug. 4; Sp. p. 238; Dr. p. 51; Gaz. vol. 135; p. 936.
 Rogers, J., assignor of one-half to G. D. Adams and G. E. Kappler, Cleveland, Ohio. Bag filling and tying machine. No. 893,764; Sept. 29; Sp. p. 5000; Dr. pp. 1071-3; Gaz. vol. 136; p. 943.
 Rogers, J., assignor of one-half to G. E. Kappler and G. D. Adams, Cleveland, Ohio. Bag-tier shears. No. 899,765; Sept. 29; Sp. p. 5007; Dr. p. 1073; Gaz. vol. 136; p. 944.
 Rogers, J., assignor of one-half to G. E. Kappler and G. D. Adams, Cleveland, Ohio. Bag-closing mechanism. No. 899,766; Sept. 29; Sp. p. 5009; Dr. pp. 1073-4; Gaz. vol. 136; p. 944.
 Rogers, J. F. (See Balland Rogers.)
 Rogers, J. R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type casting and composing machine. No. 883,425; Mar. 31; Sp. p. 5877; Dr. pp. 1252-5; Gaz. vol. 133; p. 1086.
 Rogers, J. R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 889,400; June 2; Sp. p. 419; Dr. p. 99; Gaz. vol. 134; p. 1124.
 Rogers, J. R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 890,177; June 9; Sp. p. 1974; Dr. pp. 435-6; Gaz. vol. 134; p. 1404.
 Rogers, J. R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 890,178; June 9; Sp. p. 1977; Dr. p. 436-7; Gaz. vol. 134; p. 1405.
 Rogers, J. R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 901,478; Oct. 20; Sp. p. 2976; Dr. pp. 606-7; Gaz. vol. 136; p. 1597.
 Rogers, J. R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 903,505; Nov. 10; Sp. p. 1940; Gaz. vol. 137; p. 350.
 Rogers, J. R., New York, N. Y., assignor to Mergenthaler Linotype Company. Distributer for linotype-machines. No. 890,303; June 9; Sp. p. 2253; Dr. pp. 495-8; Gaz. vol. 134; p. 1445.
 Rogers, K. E., South Manchester, Conn. Press-board. No. 878,089; Feb. 4; Sp. p. 397; Dr. p. 83; Gaz. vol. 132; p. 912.
 Rogers, K. E., South Manchester, Conn. Tobacco product and manufacturing the same. No. 888,743; May 26; Sp. p. 4842; Gaz. vol. 134; p. 879.
 Rogers, L. C., Mancelona, Mich. Flue-cleaner. No. 894,857; Aug. 4; Sp. p. 108; Dr. p. 23; Gaz. vol. 135; p. 919.
 Rogers, L. H., and A. Myers, Wellington, New Zealand. Composition for preventing leakage of air through punctures in pneumatic tires. No. 904,895; Nov. 24; Sp. p. 4881; Gaz. vol. 137; p. 871.
 Rogers, M. E., Johnsville, Cal. Combination-garment. No. 878,237; Feb. 4; Sp. p. 704; Dr. p. 145; Gaz. vol. 132; p. 961.
 Rogers, N. W., Jefferson, Pa. Wagon-seat. No. 895,042; Aug. 4; Sp. p. 541; Dr. p. 110; Gaz. vol. 135; p. 983.
 Rogers, P. W., Wallaston, Mass. Mordanting wool. No. 878,314; Feb. 4; Sp. p. 862; Gaz. vol. 132; p. 987.
 Rogers, P. H. (See Rollenhagen, C. G., assignor.)
 Rogers, R. A., and F. Cantelo, Sandown, England. Windage back-sight for rifles. No. 907,888; Dec. 29; Sp. p. 5483; Gaz. vol. 137; p. 2006.
 Rogers, R. N., assignor to Rogers Addresser Company, Chicago, Ill. Envelop-addresser. No. 876,913; Jan. 14; Sp. p. 2483; Dr. pp. 542-3; Gaz. vol. 132; p. 438.
 Rogers, R. N., assignor to Rogers Addresser Company, Chicago, Ill. Self-feeder for addressing-machines and the like. No. 876,914; Jan. 14; Sp. p. 2493; Dr. p. 544; Gaz. vol. 132; p. 438.
 Rogers, R. N., assignor to Rogers Addresser Company, Chicago, Ill. Type-plate and drawer for addressing-machines. No. 905,928; Dec. 8; Sp. p. 1610; Gaz. vol. 137; p. 1278.
 Rogers, R. R. (See Rogers, C. T. and R. R.)
 Rogers, S., Fort Payne, Ala., assignor of one-half to A. Rogers, Barnesville, Ohio. Shovel-handle. No. 906,462; Dec. 8; Sp. p. 2612; Gaz. vol. 137; p. 1450.
 Rogers, T., and H. J. Kane, Philadelphia, Pa. Mail-bag catcher and crane. No. 887,849; May 19; Sp. p. 3088; Dr. pp. 647-8; Gaz. vol. 134; p. 557.
 Rogers, T. T., assignor of one-half to B. A. Littell, Perry, Mo. Fence-stretcher. No. 905,751; Dec. 1; Sp. p. 1265; Gaz. vol. 137; p. 1189.
 Rogers Therapeutic Lamp Company. (See Rogers, C. E., assignor.)
 Rogers, W. H., Lookout Mountain, Tenn. Mail-bag deliverer and catcher. No. 882,345; Mar. 17; Sp. p. 3716; Dr. p. 790; Gaz. vol. 133; p. 669.
 Rogers, W. H., Lookout Mountain, Tenn. Mail-bag deliverer and catcher. No. 899,074; Sept. 22; Sp. p. 3618; Dr. p. 775; Gaz. vol. 136; p. 683.
 Rogerson, T. C., and P. Rentchler, Jacksonville, Ill. Sheet for boiler-furnaces. No. 882,420; Mar. 17; Sp. p. 3834; Dr. pp. 818-19; Gaz. vol. 133; p. 693.
 Rogge, A., Berlin, Germany. Bending and straightening machine. No. 907,889; Dec. 29; Sp. p. 5483; Gaz. vol. 137; p. 2006.
 Rogowski, F., Chicago, Ill. Street-cleaning machine. No. 895,201; Aug. 4; Sp. p. 855; Dr. pp. 179-80; Gaz. vol. 135; p. 1036.
 Rohan, J. J., St. Louis, Mo. Boiler. No. 903,781; Nov. 10; Sp. p. 2490; Gaz. vol. 137; p. 436.
 Rohde, E., Friedenau, near Berlin, Germany. Trousers-holder. No. 886,642; May 5; Sp. p. 592; Dr. p. 123; Gaz. vol. 134; p. 103.
 Rohde, H. J. (See Rohde, L. G. and H. J.)
 Rohde, L. G. and H. J., Paris, France. Apparatus for elevating grain and other granular or pulverulent materials. No. 888,354; May 19; Sp. p. 4040; Dr. p. 852; Gaz. vol. 134; p. 719.
 Rohde, W., Cincinnati, Ohio. Vending-machine. No. 876,284; Jan. 7; Sp. p. 1170; Dr. pp. 255-6; Gaz. vol. 132; p. 197.
 Rohen, D., and D. E. Forton, Evart, Mich. Valve-lifter. No. 886,868; May 5; Sp. p. 1069; Dr. p. 225; Gaz. vol. 134; p. 176.
 Rohl, P. von, assignor to E. De Kleist, North Tonawanda, N. Y. Mandolin attachment for pianos. No. 906,662; Dec. 15; Sp. p. 2983; Gaz. vol. 137; p. 1538.
 Rohlf, H. F., assignor of one-third to A. L. Haase, New London, Wis. Automobile sled attachment. No. 888,932; May 26; Sp. p. 5267; Dr. pp. 1117-18; Gaz. vol. 134; p. 943.
 Rohlf, H. H., assignor of one-third to A. L. Haase, New London, Wis. Traction-wheel. No. 888,933; May 26; Sp. p. 5272; Dr. p. 1118; Gaz. vol. 134; p. 943.
 Rohlfing, J. M., St. Louis, Mo. Truck-frame. No. 881,721; Mar. 10; Sp. p. 2450; Dr. p. 527; Gaz. vol. 133; p. 437.
 Röhm, O., Esslingen, Germany. Preparation of hides for the manufacture of leather. No. 886,411; May 5; Sp. p. 147; Gaz. vol. 134; p. 29.
 Rohn, S. W., and R. N. Sheldon, Norwalk, Ohio. Bag-fastener. No. 889,046; May 26; Sp. p. 5475; Dr. p. 1165; Gaz. vol. 134; p. 979.
 Rohr, M. von, assignor to Firm of Carl Zeiss, Jena, Germany. Search-light reflector. No. 903,321; Nov. 10; Sp. p. 1561; Gaz. vol. 137; p. 288.
 Rohr, R. (See Germain and Rohr.)
 Rohrbacher, E. J., Blaine, Wash. Automatic governor for fluid-compressors. No. 898,606; Sept. 15; Sp. p. 2749; Dr. pp. 587-8; Gaz. vol. 136; p. 504.
 Röhrick, P. (See Thoss and Röhrick.)
 Röhrs, C., Landsberg-on-the-Warthe, Germany. Tubular steam-boiler. No. 884,956; Apr. 14; Sp. p. 2632; Dr. pp. 556-7; Gaz. vol. 133; p. 1639.
 Rohwer, C. F., Hot Springs, Ark. Antisnoring device. No. 876,491; Jan. 14; Sp. p. 1628; Dr. p. 353; Gaz. vol. 132; p. 297.
 Roland, C. A., Greenville, Ohio. Candlestick. No. 876,401; Jan. 14; Sp. p. 1436; Dr. p. 308; Gaz. vol. 132; p. 267.
 Rolfe, C. A., Adrian, Mich., assignor, by mesne assignments, to Rolfe Electric Co., Rochester, N. Y. Electrical distributing-rack. No. 876,400; Jan. 14; Sp. p. 1434; Dr. p. 308; Gaz. vol. 132; p. 266.
 Rolfe, C. A., Adrian, Mich., assignor, by mesne assignments, to Rolfe Electric Co., Rochester, N. Y. Electrical-circuit protector. No. 898,509; Sept. 15; Sp. p. 2562; Dr. p. 548; Gaz. vol. 136; p. 473.
 Rolfe, C. A., Adrian, Mich., assignor, by mesne assignments, to Rolfe Electric Co., Rochester, N. Y. Electric protective apparatus. No. 901,479; Oct. 20; Sp. p. 2978; Dr. p. 607; Gaz. vol. 136; p. 1598.
 Rolfe, E. C., Memphis, Tenn. Hoppie for fowls. No. 880,043; Feb. 25; Sp. p. 4463; Dr. p. 937; Gaz. vol. 132; p. 1658.
 Rolfe Electric Co. (See Rolfe, C. A., assignor.)
 Rolfe, G. H., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Signal-lantern. No. 888,038; May 19; Sp. p. 3445; Dr. p. 723; Gaz. vol. 134; p. 619.
 Rolfe, G. H., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Lamp-burner. No. 890,179; June 9; Sp. p. 1980; Dr. p. 437; Gaz. vol. 134; p. 1405.
 Rolfe, G. H., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Combined base-ring and bracket for signal-lamps. No. 899,808; Sept. 29; Sp. p. 5108; Dr. p. 1092; Gaz. vol. 136; p. 959.

Alphabetical list of patentees—Continued.

- Rolfes, G. H., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Lantern-frame. No. 906,163; Dec. 8; Sp. p. 2062; Gaz. vol. 137; p. 1353.
- Rolfson-Schmidt, S., New Dorp, assignor, by mesne assignments, to R. F. Woodward, Huntington, N. Y. Medicated-silk protector. No. 880,469; Feb. 25; Sp. p. 5325; Dr. p. 1120; Gaz. vol. 132; p. 1801.
- Rolfson-Schmidt, S., Fairground, assignor, by mesne assignments, to R. F. Woodward, Huntington, N. Y. Medical appliance. No. 889,154; May 26; Sp. p. 5718; Dr. p. 1210; Gaz. vol. 134; p. 1014.
- Rolin, C. W., assignor to himself and H. E. Frick, Philadelphia, Pa. Grate-bar. No. 881,960; Mar. 17; Sp. p. 2957; Dr. p. 630; Gaz. vol. 133; p. 544.
- Rolin, E., Morgan, Pa. Draw-bar. No. 904,727; Nov. 24; Sp. p. 4511; Gaz. vol. 137; p. 816.
- Rolka, I. B. (See Przygoda, J., assignor.)
- Rolka, I. B., Patton, Pa. Boat propulsion. No. 904,454; Nov. 17; Sp. p. 3926; Gaz. vol. 137; p. 696.
- Rolland, F. W., Jr., Chicago, Ill. Web-controller for presses. No. 877,232; Jan. 21; Sp. p. 3196; Dr. p. 693; Gaz. vol. 132; p. 587.
- Rollenhagen, C. G., assignor of one-half to W. Bates, Memphis, Tenn. Scoop. No. 879,194; Feb. 18; Sp. p. 2680; Dr. p. 559; Gaz. vol. 132; p. 1347.
- Rollenhagen, C. G., assignor of one-half to P. H. Rogers, Memphis, Tenn. Excavator. No. 892,453; July 7; Sp. p. 125; Dr. pp. 27-8; Gaz. vol. 135; p. 25.
- Roller, F. W. (See Boyle and Roller.)
- Roller, F. W., Plainfield, N. J., assignor to Whitney Electrical Instrument Company. Shunt. No. 892,554; July 7; Sp. p. 310; Dr. p. 68; Gaz. vol. 135; p. 58.
- Roller, F. W., Plainfield, assignor to W. P. Driver, Newark, N. J. Glass-cutter. No. 896,159; Aug. 18; Sp. p. 2731; Dr. p. 589; Gaz. vol. 135; p. 1391.
- Roller, N., St. Louis, Mo. Shirt-waist protector. No. 890,456; June 9; Sp. p. 2528; Dr. p. 559; Gaz. vol. 134; p. 1493.
- Rollestone, M. M., Atlanta, Ga. Paper box. No. 894,699; July 28; Sp. p. 4828; Dr. p. 1003; Gaz. vol. 135; p. 842.
- Rollins, C. H., Watertown, assignor of one-half to E. W. Anthony, Brookline, Mass. Water-closet. No. 887,850; May 19; Sp. p. 3089; Dr. p. 648; Gaz. vol. 134; p. 557.
- Rollins, C. H., Watertown, Mass., assignor to Venclos Company, Kittery, Me. Water-closet bowl. No. 904,896; Nov. 24; Sp. p. 4882; Gaz. vol. 137; p. 872.
- Rollins, G. D., Philadelphia, Pa. Metallic packing. No. 878,238; Feb. 4; Sp. p. 704; Dr. p. 145; Gaz. vol. 132; p. 961.
- Rollins, G. D., Philadelphia, Pa. Metallic packing. No. 894,537; July 28; Sp. p. 4500; Dr. p. 933; Gaz. vol. 135; p. 788.
- Rollins, G. D., Philadelphia, Pa. Metallic packing. No. 895,791; Aug. 11; Sp. p. 2045; Dr. p. 434; Gaz. vol. 135; p. 1253.
- Rollins, G. D., Philadelphia, Pa. Metallic packing. No. 898,066; Sept. 8; Sp. p. 1712; Dr. p. 363; Gaz. vol. 136; p. 299.
- Rollins, G. D., Philadelphia, Pa. Metallic packing. No. 905,103; Nov. 24; Sp. p. 5286; Gaz. vol. 137; p. 941.
- Rollins, H. S., Sterling, Colo. Refuse-separator for beets. No. 876,239; Jan. 7; Sp. p. 1071; Dr. pp. 232-3; Gaz. vol. 132; p. 182.
- Rollins, J. L., Colfax, Cal. Jar-sealing and vacuum-releasing device. No. 876,591; Jan. 14; Sp. p. 1854; Dr. p. 400; Gaz. vol. 132; p. 333.
- Rollins, J. L., Augusta, Me. Screw-driver. No. 902,608; Nov. 3; Sp. p. 159; Gaz. vol. 137; p. 26.
- Rolpiller, H. G. (See Dech, P., assignor.)
- Rolph, B. M., Dixon, Ill. Ditching-machine. No. 887,129; May 12; Sp. p. 1571; Dr. pp. 333-4; Gaz. vol. 134; p. 288.
- Roman, G. L., assignor to G. B. Ward, Grants Pass, Oreg. Permutation-padlock. No. 887,695; May 12; Sp. p. 2751; Dr. p. 581; Gaz. vol. 134; p. 475.
- Roman, W. J., assignor to J. W. Davis, Detroit, Mich. Adjustable boring-tool holder. No. 892,894; July 7; Sp. p. 1018; Dr. p. 213; Gaz. vol. 135; p. 169.
- Rome Saddlery Hardware Manufacturing Co. (See Craig, A. M., assignor.)
- Romig, J. F. (See Huebschwerlen and Romig.)
- Romigh, J. W. (See Freese, Romigh, and Carothers.)
- Rominger, G. S., Philadelphia, Pa. Vat-support. No. 880,243; Feb. 25; Sp. p. 4861; Dr. p. 1029; Gaz. vol. 132; p. 1725.
- Rommel, A. C., Atkinson, Ind. Mail catcher and deliverer. No. 897,154; Aug. 25; Sp. p. 4799; Dr. p. 1022; Gaz. vol. 135; p. 1742.
- Rommer, I. A., assignor of one-half to V. Mellberg, Newark, N. J. Belt-shifting mechanism. No. 886,730; May 5; Sp. p. 809; Dr. pp. 167-8; Gaz. vol. 134; p. 135.
- Rommess, P., Pittsburg, Kans. Coal-mining drill-post. No. 879,006; Feb. 11; Sp. p. 2299; Dr. p. 480; Gaz. vol. 132; p. 1245.
- Romsos, O. T., assignor of one-half to J. A. Meyer, Sarles, N. D. Display-cabinet. No. 897,786; Sept. 1; Sp. p. 1100; Dr. p. 236; Gaz. vol. 136; p. 176.
- Ronan, J. J., and J. F. Barry, Jersey City, N. J. Hanger. No. 894,057; July 21; Sp. p. 3516; Dr. p. 720; Gaz. vol. 135; p. 611.
- Roncercay, E. (See Bonvillain and Roncercay.) (Reissue.)
- Ronchetti, J. A., Woonsocket, R. I., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 888,934; May 26; Sp. p. 5273; Dr. pp. 1118-19; Gaz. vol. 134; p. 944.
- Roney, D. (See Hawkins, E. C., assignor.)
- Roney, F. P., et al. (See Washburn, Roney, and Børreson.)
- Roney, R. J., Syracuse, N. Y. Damper-regulator for heaters. No. 893,874; July 21; Sp. p. 3123; Dr. p. 641; Gaz. vol. 135; p. 549.
- Roney, W. H., Chicago, Ill. Column. No. 885,525; Apr. 21; Sp. p. 3812; Dr. p. 800; Gaz. vol. 133; p. 1855.
- Ronstrom, A. T., Chicago, Ill. Boat propulsion. No. 892,454; July 7; Sp. p. 127; Dr. p. 28; Gaz. vol. 135; p. 26.
- Rontke, A., Bridgeport, Conn., assignor to Singer Manufacturing Company. Binding attachment for sewing-machines. No. 882,480; Mar. 17; Sp. p. 3937; Dr. p. 842; Gaz. vol. 133; p. 712.
- Rood, C. E. (See Goettel, J., assignor.)
- Rood, E. O., assignor to Interstate Drainage & Investment Company, Britt, Iowa. Excavating-machine. No. 884,764; Apr. 14; Sp. p. 2259; Dr. pp. 475-6; Gaz. vol. 133; p. 1579.
- Rood, L. V. (See Pease, W. C., assignor.)
- Roos, A., South Norwalk, Conn. Fabric-cutting machine. No. 879,675; Feb. 18; Sp. p. 3679; Dr. pp. 769-70; Gaz. vol. 132; p. 1504.
- Roos, J. S. de, Amsterdam, Netherlands. Vaporizing device for internal-combustion engines. No. 904,455; Nov. 17; Sp. p. 3927; Gaz. vol. 137; p. 697.
- Roos, O. C., Newton, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Space telegraphy. No. 901,649; Oct. 20; Sp. p. 3304; Dr. pp. 678-9; Gaz. vol. 136; p. 1651.
- Root Brothers Company. (See Root, P. H., assignor.)
- Root, C. L. (See Holley and Root.)
- Root Dairy Supply Company. (See Root, H. C., assignor.)
- Root, G. C., deceased, New York, N. Y.; S. L. Root administrator. Advertising device. No. 883,749; Apr. 7; Sp. p. 135; Dr. p. 25; Gaz. vol. 133; p. 1215.
- Root, H. C., Avondale, assignor to Root Dairy Supply Company, Westgrove, Pa. Milk-cooler. No. 883,147; Mar. 24; Sp. p. 5280; Dr. p. 1126; Gaz. vol. 133; p. 964.
- Root, H. C., assignor to Root Dairy Supply Company, Westgrove, Pa. Milk-cooler. No. 884,860; Apr. 14; Sp. p. 2453; Dr. p. 516; Gaz. vol. 133; p. 1611.
- Root, I. O., Knowlesville, N. Y. Metallic hoop. No. 905,587; Dec. 1; Sp. p. 956; Gaz. vol. 137; p. 1136.
- Root, J. H. (See Hanna, F. W., assignor.)
- Root, J. S., Chicago, Ill. Paper-clip. No. 879,007; Feb. 11; Sp. p. 2302; Dr. p. 481; Gaz. vol. 132; p. 1246.
- Root, P. H., assignor to Root Brothers Company, Plymouth, Ohio. Lawn-mower grinder. No. 908,142; Dec. 29; Sp. p. 6008; Gaz. vol. 137; p. 2089.
- Root, R. R., Cleveland, Ohio. Electric controller. No. 905,588; Dec. 1; Sp. p. 957; Gaz. vol. 137; p. 1136.
- Root, S. L., administrator. (See Root, G. C.)
- Root, T. (See Chegwidan and Root.)
- Root, W. O., Chicago, Ill. Furnace-grate. No. 879,908; Feb. 25; Sp. p. 4195; Dr. p. 876; Gaz. vol. 132; p. 1614.
- Roote, W. R., Guelph, Ontario, Canada. Top-rest for carriages. No. 902,914; Nov. 3; Sp. p. 771; Gaz. vol. 137; p. 127.
- Roovers, A. W., Brooklyn, N. Y. Abrading-machine. No. 897,408; Sept. 1; Sp. p. 350; Dr. p. 74; Gaz. vol. 136; p. 54.
- Röpe, C. A., and P. L. Zimmerman, Washington, D. C. Clasp for hanging awnings, &c. No. 894,058; July 21; Sp. p. 3517; Dr. p. 720; Gaz. vol. 135; p. 611.
- Roper, C. F., assignor to C. F. Roper & Company, Hopedale, Mass. Speed-controlling reversing-propeller. No. 878,022; Feb. 4; Sp. p. 272; Dr. p. 58; Gaz. vol. 132; p. 892.
- Roper, C. F., assignor to C. F. Roper & Company, Hopedale, Mass. Controlling and reversing means. No. 888,744; May 26; Sp. p. 4842; Dr. p. 1033; Gaz. vol. 134; p. 879.
- Roper & Company, C. F. (See Roper, C. F., assignor.)
- Roper, J. W., East Orange, N. J. Horseshoe. No. 900,959; Oct. 13; Sp. p. 1900; Dr. p. 387; Gaz. vol. 136; p. 1391.
- Rorabeck, S. H., Eaton Rapids, Mich. Blanket-fastening for animals. No. 881,961; Mar. 17; Sp. p. 2958; Dr. p. 630; Gaz. vol. 133; p. 545.
- Rork, G. L. (See Wittmann and Rork.)
- Rosa, J. de la. (See Sturla, A. H., assignor.)

Alphabetical list of patentees—Continued.

- Rosasco, D. E., Healdsburg, Cal. Sulfur-spraying apparatus. No. 892,307; June 30; Sp. p. 6318; Dr. p. 1361; Gaz. vol. 134; p. 2198.
- Rosati, T., Florence, Italy, assignor of one-fourth to F. R. Sari and B. G. Giuliani, Washington, D. C. Electric bell. No. 898,686; Sept. 15; Sp. p. 2915; Dr. p. 624; Gaz. vol. 136; p. 530.
- Rosback, F. P., Benton Harbor, Mich. Index-cutting machine. No. 889,401; June 2; Sp. p. 422; Dr. pp. 99-102; Gaz. vol. 134; p. 1125.
- Rosborough, J., St. Louis, Mo. Nozzle. No. 894,059; July 21; Sp. p. 3519; Dr. p. 721; Gaz. vol. 135; p. 612.
- Rosborough, W. J., New York, N. Y. Tie-holder. No. 900,960; Oct. 13; Sp. p. 1901; Dr. p. 387; Gaz. vol. 136; p. 1391.
- Roschky, J., Tarentum, Pa. Padlock. No. 906,294; Dec. 8; Sp. p. 2319; Gaz. vol. 137; p. 1398.
- Rose, A. A., Bellevue, Ky. Automatic musical instrument. No. 877,125; Jan. 21; Sp. p. 2972; Dr. p. 642; Gaz. vol. 132; p. 550.
- Rose, A. N., New York, N. Y. Faucet. No. 890,712; June 16; Sp. p. 3086; Dr. p. 678; Gaz. vol. 134; p. 1610.
- Rose, G., and M. Hawley, Bourbon, Ind. Buggy attachment. No. 896,329; Aug. 18; Sp. p. 3086; Dr. p. 664; Gaz. vol. 135; p. 1448.
- Rose, G. F. (See Thompson, J., assignor.)
- Rose, G. M., Jr., Nashville, Tenn. Ticket or receipt cutter. No. 906,295; Dec. 8; Sp. p. 2320; Gaz. vol. 137; p. 1398.
- Rose, H. F., Binghamton, N. Y. Mail-collecting announcer. No. 901,480; Oct. 20; Sp. p. 2980; Dr. p. 607; Gaz. vol. 136; p. 1598.
- Rose, J. (See Gibbs, I. A., assignor.)
- Rose, J. H., Dayton, Ohio. Hydraulic motor. No. 883,972; Apr. 7; Sp. p. 614; Dr. pp. 122-3; Gaz. vol. 133; p. 1289.
- Rose Manufacturing Company. (See Rose, S. S., assignor.)
- Rose, O., Crown Point, Ind. Arbor. No. 879,829; Feb. 18; Sp. p. 3983; Dr. p. 834; Gaz. vol. 132; p. 1555.
- Rose, R. A., assignor of one-half to G. C. Holbrook, Santa Rosa, Cal. Gearing for motor-vehicles. No. 906,936; Dec. 15; Sp. p. 3515; Gaz. vol. 137; p. 1626.
- Rose, Rodgers & Rose. (See Rodgers, L. J., assignor.)
- Rose, S., New Orleans, La. Saw. No. 892,895; July 7; Sp. p. 1019; Dr. p. 214; Gaz. vol. 135; p. 169.
- Rose, S. S., Santa Clara, assignor to Rose Manufacturing Company, San Jose, Cal. Gearing. No. 876,018; Jan. 7; Sp. p. 646; Dr. p. 138; Gaz. vol. 132; p. 111.
- Rose, S. S., Amador City, assignor to Rose Manufacturing Company, San Jose, Cal. Traction-engine. No. 884,685; Apr. 14; Sp. p. 2090; Dr. p. 446; Gaz. vol. 133; p. 1532.
- Rose, W. L., Chicago, Ill. Steam-generating apparatus. No. 904,152; Nov. 17; Sp. p. 3282; Gaz. vol. 137; p. 595.
- Roseberry, W. A., and P. S. Junkin, Creston, Iowa. Liner for molds for linotype-machines. No. 892,685; July 7; Sp. p. 568; Dr. p. 120; Gaz. vol. 135; p. 100.
- Rosecrans, C. W., Lunda, Ohio. Stock-chute. No. 890,180; June 9; Sp. p. 1981; Dr. p. 437; Gaz. vol. 134; p. 1405.
- Roselsky, S., Newark, N. J., and J. Siegel, Peekskill, N. Y. Locking attachment for bag-frames and the like. No. 907,405; Dec. 22; Sp. p. 4439; Gaz. vol. 137; p. 1816.
- Rosekelly, F. E., Huron, Ohio. Wrench. No. 881,620; Mar. 10; Sp. p. 2256; Dr. p. 490; Gaz. vol. 133; p. 407.
- Roseland, T. C., assignor of one-third to F. R. Ensinger, Gilman, Iowa. Dropping mechanism for corn-planters. No. 886,253; Apr. 28; Sp. p. 5285; Dr. p. 1114; Gaz. vol. 133; p. 2122.
- Roselius, L. (See Meyer, Roselius, and Wimmer.)
- Rosemergy, J., Sr. (See Rosemergy, J. T. A., assignor.)
- Rosemergy, J. T. A., assignor of one-half to J. Rosemergy, Sr., Calumet, Mich. Advertising device. No. 898,993; Sept. 15; Sp. p. 3461; Dr. p. 741; Gaz. vol. 136; p. 629.
- Rosemeyer, J., Lindenthal, near Cologne, Germany. Feed-water heater. No. 893,377; July 14; Sp. p. 1978; Dr. p. 415; Gaz. vol. 135; p. 356.
- Rosen, J. A., *et al.* (See Gilleland, E. B., assignor.)
- Rosen, M., New York, N. Y. Pleasure-canal. No. 896,940; Aug. 25; Sp. p. 4356; Dr. p. 934; Gaz. vol. 135; p. 1671.
- Rosen, S. A. (See Blanch and Rosen.)
- Rosen, W. E., New Ross, Ind. Lock-nut. No. 896,465; Aug. 18; Sp. p. 3357; Dr. p. 723; Gaz. vol. 135; p. 1492.
- Rosenbaum, A., New York, N. Y. Clutch for scarf-pins. No. 881,622; Mar. 10; Sp. p. 2258; Dr. p. 490; Gaz. vol. 133; p. 407.
- Rosenbaum, H. (See Ambrus, A., assignor.)
- Rosenbaum, L., St. Louis, Mo. Mixing-chamber. No. 904,087; Nov. 17; Sp. p. 3149; Gaz. vol. 137; p. 571.
- Rosenbaum, M., and A. Hall, Melrose, Mass. Neck-protecting garment. No. 899,907; Sept. 29; Sp. p. 5300; Dr. p. 1133; Gaz. vol. 136; p. 990.
- Rosenberg, A., Chicago, Ill. Safety ventilating-stop for windows. No. 888,039; May 19; Sp. p. 3447; Dr. p. 724; Gaz. vol. 134; p. 619.
- Rosenberg, A., Chicago, Ill. Condiment-holder. No. 890,304; June 9; Sp. p. 2260; Dr. p. 498; Gaz. vol. 134; p. 1446.
- Rosenberg, C., East Pittsburgh, Pa. Roller-skate. No. 880,921; Mar. 3; Sp. p. 887; Dr. p. 191; Gaz. vol. 133; p. 149.
- Rosenberg, C., and V. T. Bailey, New York, N. Y. Insulator. No. 906,296; Dec. 8; Sp. p. 2322; Gaz. vol. 137; p. 1398.
- Rosenberg, E., Indianapolis, Ind. Gearing for awnings. No. 905,002; Nov. 24; Sp. p. 5085; Gaz. vol. 137; p. 907.
- Rosenberg, E., Paris, France, assignor to General Electric Company. Cable-reel. No. 882,587; Mar. 24; Sp. p. 4165; Dr. p. 883; Gaz. vol. 133; p. 780.
- Rosenberg, E., and E. W. Mix, Paris, France, assignors to General Electric Company. Power-generating system. No. 905,752; Dec. 1; Sp. p. 1267; Gaz. vol. 137; p. 1190.
- Rosenberg, H. M., Atlanta, Ga. Car-coupling. No. 899,438; Sept. 22; Sp. p. 4311; Dr. p. 926; Gaz. vol. 136; p. 799.
- Rosenberg, J., New York, N. Y. Thread-holder. No. 896,582; Aug. 18; Sp. p. 3584; Dr. p. 771; Gaz. vol. 135; p. 1530.
- Rosenberg, W. von, Jr., Austin, Tex. Fishing-float. No. 898,784; Sept. 15; Sp. p. 3091; Dr. p. 662; Gaz. vol. 136; p. 561.
- Rosenberger, C. B., Pittsburg, Pa. Puzzle. No. 895,303; Aug. 4; Sp. p. 1079; Dr. p. 226; Gaz. vol. 135; p. 1071.
- Rosenberger, E., Mankato, Minn. Motor-vehicle. No. 905,462; Dec. 1; Sp. p. 702; Gaz. vol. 137; p. 1097.
- Rosenberger, L. H. (See Graumiller, Rosenberger, and Smith.)
- Rosenblatt, G. B., Butte, Mont., assignor to Westinghouse Electric & Manufacturing Company. Electric-motor control. No. 896,249; Aug. 18; Sp. p. 2908; Dr. p. 627; Gaz. vol. 135; p. 1423.
- Rosenbluth, E. M., Philadelphia, Pa. Carbide-cartridge. No. 880,470; Feb. 25; Sp. p. 5326; Dr. pp. 1120-1; Gaz. vol. 132; p. 1801.
- Rosenbluth, E. M., Philadelphia, Pa. Lamp-bracket. No. 883,973; Apr. 7; Sp. p. 617; Dr. p. 123; Gaz. vol. 133; p. 1290.
- Rosenbluth, E. M., Philadelphia, Pa. Acetylene-gas-generating lamp. No. 897,155; Aug. 25; Sp. p. 4800; Dr. p. 1022; Gaz. vol. 135; p. 1742.
- Rosenbluth, E. M., Philadelphia, Pa. Acetylene-gas generator. No. 899,809; Sept. 29; Sp. p. 5109; Dr. pp. 1092-3; Gaz. vol. 136; p. 959.
- Rosenbluth, E. M., Philadelphia, Pa. Acetylene-gas generator. No. 903,506; Nov. 10; Sp. p. 1943; Gaz. vol. 137; p. 350.
- Rosenbluth, E. M., Philadelphia, Pa. Acetylene-gas generator. No. 903,507; Nov. 10; Sp. p. 1947; Gaz. vol. 137; p. 350.
- Rosencrance, C. W., Oacoma, S. D. Parcel-carrier for bicycles. No. 882,346; Mar. 17; Sp. p. 3718; Dr. p. 790; Gaz. vol. 133; p. 670.
- Rosendale, R., assignor to Herbert Silk Company, Paterson, N. J. Smoothing device for cloth-beams. No. 887,428; May 12; Sp. p. 2245; Dr. p. 470; Gaz. vol. 134; p. 388.
- Rosenfeld, I., New York, N. Y. Change-making machine. No. 881,443; Mar. 10; Sp. p. 1895; Dr. pp. 412-13; Gaz. vol. 133; p. 346.
- Rosenfeld, I., Cambridgeport, Mass. Folding vizor for caps and hats. No. 893,548; July 14; Sp. p. 2369; Dr. p. 495; Gaz. vol. 135; p. 412.
- Rosenfeld, J., Detroit, Mich. Glove. No. 897,306; Sept. 1; Sp. p. 68; Dr. p. 17; Gaz. vol. 136; p. 15.
- Rosenfeld, J., Detroit, Mich. Glove. No. 897,409; Sept. 1; Sp. p. 352; Dr. p. 74; Gaz. vol. 136; p. 54.
- Rosenfeld, M. C., Cleveland, Ohio. Adjustable beam-clamp. No. 893,378; July 14; Sp. p. 1979; Dr. p. 416; Gaz. vol. 135; p. 356.
- Rosenfeld, W. W., New York, N. Y. Phonograph. No. 879,589; Feb. 18; Sp. p. 3504; Dr. pp. 734-5; Gaz. vol. 132; p. 1476.
- Rosenhaft, M., Hamburg, Germany. Dust-proof watchcase-pendant. No. 902,112; Oct. 27; Sp. p. 4274; Dr. p. 866; Gaz. vol. 136; p. 1832.
- Rosenhaft, H. (See Bracht, J. von, assignor.)
- Rosenkaimer, P., Essen-on-the-Ruhr, Germany. Bottle with adjustable discharger. No. 897,156; Aug. 25; Sp. p. 4803; Dr. p. 1022; Gaz. vol. 135; p. 1742.
- Rosenow, G. A., deceased, Duluth, Minn.; H. Rosenow, administratrix. Portable lathe. No. 905,929; Dec. 8; Sp. p. 1612; Gaz. vol. 137; p. 1278.
- Rosenow, H., administratrix. (See Rosenow, G. A.)
- Rosensteil, J. V., and F. C. Wetzel, Warren, Ohio. Combination table and seat. No. 893,100; July 14; Sp. p. 1436; Dr. p. 303; Gaz. vol. 135; p. 266.
- Rosenstein, F., Los Angeles, Cal. Filter. No. 899,075; Sept. 22; Sp. p. 3619; Dr. p. 775; Gaz. vol. 136; p. 683.
- Rosenthal, J. B., Cincinnati, Ohio. Album for flat talking-machine records. No. 903,232; Nov. 10; Sp. p. 1400; Gaz. vol. 137; p. 259.
- Rosenthal, L., Frankfurt-on-the-Main, Germany. Apparatus for recording and reproducing sound. No. 887,429; May 12; Sp. p. 2247; Dr. p. 471; Gaz. vol. 134; p. 388.
- Rosentreter, E. R., Chicago, Ill. Folding decoy. No. 883,161; Mar. 24; Sp. p. 5305; Dr. p. 1132; Gaz. vol. 133; p. 969.
- Rosenwasser, M., New York, N. Y. Legging. No. 888,745; May 26; Sp. p. 4845; Dr. p. 1033; Gaz. vol. 134; p. 880.
- Rosewarne, R. E., Covington, Ky., assignor to Miller, Du Brul and Peters Manufacturing Company, Cincinnati, Ohio. Expandable pulley. No. 896,160; Aug. 18; Sp. p. 2734; Dr. p. 589; Gaz. vol. 135; p. 1391.
- Rosine, C., Chicago, Ill. Window-lock. No. 908,143; Dec. 29; Sp. p. 6011; Gaz. vol. 137; p. 2090.
- Rosing, W. H. V., St. Louis, Mo. Flue-rattler. No. 887,273; May 12; Sp. p. 1890; Dr. pp. 399-400; Gaz. vol. 134; p. 335.

Alphabetical list of patentees—Continued.

- Rosing, W. H. V., St. Louis, Mo., and F. L. Gordon, Chicago, Ill. Brake-shoe. No. 887,274; May 12; Sp. p. 1892; Dr. p. 400; Gaz. vol. 134; p. 335.
- Roskothien, E. (See Lebert, Roskothien, and Wirth.)
- Ross, A. D., Chicago, Ill. Letter-opening machine. No. 896,415; Aug. 18; Sp. p. 3260; Dr. p. 699; Gaz. vol. 135; p. 1475.
- Ross, A. F., Long Island, N. Y., assignor, by mesne assignments, to Pittsburg Pneumatic Company, Canton, Ohio. Fluid-pressure-operated drill. No. 902,836; Nov. 3; Sp. p. 610; Gaz. vol. 137; p. 103.
- Ross, B., New Albany, Ind. Colter. No. 889,486; June 2; Sp. p. 606; Dr. p. 141; Gaz. vol. 132; p. 1153.
- Ross, C. J. (See Rich, F. G., assignor.)
- Ross, C. P., Seattle, Wash. Butter-cutter. No. 888,746; May 26; Sp. p. 4847; Dr. p. 1034; Gaz. vol. 134; p. 880.
- Ross, D. C., administrator. (See Ross, P. J.)
- Ross, D. E., Brookston, Ind. Change-speed device. No. 896,161; Aug. 18; Sp. p. 2736; Dr. pp. 589-90; Gaz. vol. 135; p. 1392.
- Ross, D. E., Brookston, Ind. System for controlling motors. No. 905,589; Dec. 1; Sp. p. 960; Gaz. vol. 137; p. 1136.
- Ross, D. E., Brookston, assignor to Ross Gear and Tool Company, La Fayette, Ind. Steering-gear for vehicles. No. 879,414; Feb. 18; Sp. p. 3127; Dr. p. 651; Gaz. vol. 132; p. 1420.
- Ross, D. E., Brookston, assignor to Ross Gear and Tool Company, La Fayette, Ind. Axle. No. 893,549; July 14; Sp. p. 2370; Dr. p. 495; Gaz. vol. 135; p. 413.
- Ross, D. E., Brookston, assignor to Ross Gear and Tool Company, La Fayette, Ind. Compensating gearing. No. 895,202; Aug. 4; Sp. p. 858; Dr. p. 180; Gaz. vol. 135; p. 1037.
- Ross, G., deceased; L. A. Ross, administratrix, Cleveland, Ohio. Plow. No. 886,412; May 5; Sp. p. 148; Dr. pp. 30-1; Gaz. vol. 134; p. 29.
- Ross, G., and S. F. Deal, Kansas City, Mo. Tandem tamping-machine. No. 891,954; June 30; Sp. p. 5660; Dr. p. 1219; Gaz. vol. 134; p. 2084.
- Ross, G., and S. F. Deal, Kansas City, Mo. Rolling tamper. No. 894,346; July 28; Sp. p. 4124; Dr. p. 851; Gaz. vol. 135; p. 726.
- Ross, G. D., Glasgow, Scotland. Wheel for motor-vehicles. No. 877,233; Jan. 21; Sp. p. 3199; Dr. p. 693; Gaz. vol. 132; p. 588.
- Ross, G. R., Muskegon, Mich. Drawer-guide. No. 879,982; Feb. 25; Sp. p. 4329; Dr. p. 906; Gaz. vol. 132; p. 1638.
- Ross Gear and Tool Company. (See Ross, D. E., assignor.)
- Ross, H. B., assignor to Berlin Machine Works, Beloit, Wis. Adjusting means for planer-heads. No. 885,379; Apr. 21; Sp. p. 3539; Dr. pp. 740-1; Gaz. vol. 133; p. 1811.
- Ross, H. E., *et al.* (See Williams, H. E., assignor.)
- Ross, H. L. (See Gwyn, Ross, and Robbins.)
- Ross, I. S., Woodward, Okla. Device for identifying garments and headwear. No. 890,530; June 9; Sp. p. 2676; Dr. p. 590; Gaz. vol. 134; p. 1517.
- Ross, J., Tiburon, Cal. Bucket elevator. No. 876,019; Jan. 7; Sp. p. 648; Dr. p. 138; Gaz. vol. 132; p. 112.
- Ross, J., Philadelphia, Pa. Incinerating-furnace. No. 885,380; Apr. 21; Sp. p. 3545; Dr. p. 741; Gaz. vol. 133; p. 1812.
- Ross, J., Philadelphia, Pa. Rigger's truck. No. 890,713; June 16; Sp. p. 3091; Dr. pp. 678-9; Gaz. vol. 134; p. 1611.
- Ross, J., Philadelphia, Pa. Rigger's truck. No. 891,442; June 23; Sp. p. 4574; Dr. p. 995; Gaz. vol. 134; p. 1882.
- Ross, J., Philadelphia, Pa. Rigger's truck. No. 893,658; July 21; Sp. p. 2606; Dr. p. 544; Gaz. vol. 135; p. 478.
- Ross, J., Landlock, Alaska. Ore-chute. No. 899,076; Sept. 22; Sp. p. 3620; Dr. p. 775; Gaz. vol. 136; p. 683.
- Ross, J., Holland, Mo. Land-roller and cultivator. No. 903,782; Nov. 10; Sp. p. 2492; Gaz. vol. 137; p. 436.
- Ross, J., Weiser, assignor of one-half to C. Pickett, Meridian, Idaho. Trap-gun. No. 905,104; Nov. 24; Sp. p. 5287; Gaz. vol. 137; p. 941.
- Ross, J. B., Rahway, N. J., assignor to Positive Lock Washer Company. Lock-washer. No. 903,109; Nov. 3; Sp. p. 1154; Gaz. vol. 137; p. 188.
- Ross, J. W., *et al.* (See Williams, H. E., assignor.)
- Ross, J. W., Spencer, Nebr. Means for releasing and leading animals from stables. No. 879,323; Feb. 18; Sp. p. 2927; Dr. pp. 610-11; Gaz. vol. 132; p. 1390.
- Ross, L., Watertown, Mass. Abdominal supporter. No. 896,583; Aug. 18; Sp. p. 3586; Dr. pp. 771-2; Gaz. vol. 135; p. 1530.
- Ross, L. A., administratrix. (See Ross, G.)
- Ross, O. A., Chicago, Ill. Trolley-pole controller. No. 876,492; Jan. 14; Sp. p. 1628; Dr. pp. 353-4; Gaz. vol. 132; p. 298.
- Ross, O. A., Chicago, Ill. Trolley-pole controller. No. 877,126; Jan. 21; Sp. p. 2975; Dr. pp. 642-3; Gaz. vol. 132; p. 551.
- Ross, O. A., Chicago, Ill. Carbon-holder. No. 897,410; Sept. 1; Sp. p. 353; Dr. p. 74; Gaz. vol. 136; p. 54.
- Ross, P. J., deceased, Trevor, Wis.; D. C. Ross, administrator. Double-deck car. No. 896,466; Aug. 18; Sp. p. 3358; Dr. p. 723; Gaz. vol. 135; p. 1492.
- Ross, P. J., deceased, Trevor, Wis.; D. C. Ross, administrator, Rydner, N. D. Tire-inflator for automobiles. No. 899,620; Sept. 29; Sp. p. 4714; Dr. p. 1009; Gaz. vol. 136; p. 897.
- Ross, S. C. (See Reynolds, H. W., assignor.)
- Ross, T. A., Selby, Cal. Recovering silver from solutions. No. 901,124; Oct. 13; Sp. p. 2206; Dr. p. 448; Gaz. vol. 136; p. 1443.
- Ross, W. G., and D. McDonald, Montreal, Quebec, Canada. Passenger-car. No. 875,740; Jan. 7; Sp. p. 122; Dr. p. 27; Gaz. vol. 132; p. 25.
- Rossbach-Rousset, F., Templehof, near Berlin, Germany. Rotary engine. No. 895,043; Aug. 4; Sp. p. 542; Dr. p. 111; Gaz. vol. 135; p. 983.
- Rosser, V. O. (See Curtice and Rosser.)
- Rossi, A. J., assignor to Titanium Alloy Manufacturing Company, New York, N. Y. Producing alloys or mixtures of metals with purifying or seasoning elements. No. 877,518; Jan. 28; Sp. p. 3762; Gaz. vol. 132; p. 701.
- Rossi, A. J., New York, N. Y., assignor, by mesne assignments, to Titanium Alloy Manufacturing Company. Producing alloys or compounds of copper and titanium. (Reissue.) No. 12,764; Mar. 17; Sp. p. 4088; Gaz. vol. 133; p. 737.
- Rossi, A. J., assignor to Titanium Alloy Manufacturing Company, New York, N. Y. Copper and purifying, casting, and alloying the same. No. 905,232; Dec. 1; Sp. p. 222; Gaz. vol. 137; p. 1021.
- Rossi, L., New York, N. Y. Detachable fastening device. No. 883,833; Apr. 7; Sp. p. 327; Dr. p. 61; Gaz. vol. 133; p. 1244.
- Rossire, C. C., *et al.* (See Roeder, G. H., assignor.)
- Rossmann, J. F., Bloomington, Ill. Foot-rest. No. 905,590; Dec. 1; Sp. p. 964; Gaz. vol. 137; p. 1137.
- Rosson, A. B., assignor of one-half to H. L. Cathey, Erick, Okla. Hame-hook. No. 896,666; Aug. 18; Sp. p. 3733; Dr. p. 804; Gaz. vol. 135; p. 1555.
- Rosson, J. L., assignor to Rosson, Wofford & Co., Athens, Tex. Variable float-shaft bearing for cotton-seed-linting machines. No. 887,696; May 12; Sp. p. 2753; Dr. p. 582; Gaz. vol. 134; p. 476.
- Rosson, W. L., Milford, Tex. Device for killing boll-weevils. No. 897,850; Sept. 1; Sp. p. 1238; Dr. p. 265; Gaz. vol. 136; p. 196.
- Rosson, Wofford & Co. (See Rosson, J. L., assignor.)
- Rossuck, L. H., Lindenhurst, N. Y., assignor to Rossuck Manufacturing Company, Chicago, Ill. Clasp. No. 889,969; June 9; Sp. p. 1539; Dr. p. 347; Gaz. vol. 134; p. 1333.
- Rossuck Manufacturing Company. (See Rossuck, L. H., assignor.)
- Rost, J., Milwaukee, Wis. Pin and guide for molding-flasks. No. 898,929; Sept. 15; Sp. p. 3346; Dr. p. 718; Gaz. vol. 136; p. 609.
- Rost, O. F., Chicago, Ill. Railway-frog. No. 885,298; Apr. 21; Sp. p. 3355; Dr. p. 701; Gaz. vol. 133; p. 1783.
- Rost, R., Leipzig, Germany. Mixing-valve. No. 878,023; Feb. 4; Sp. p. 275; Dr. p. 59; Gaz. vol. 132; p. 892.
- Rostock, R., Klosterneuburg, Austria-Hungary. Providing casks with a coating. No. 884,993; Apr. 14; Sp. p. 2702; Gaz. vol. 133; p. 1650.
- Rostock, R., Klosterneuburg, Austria-Hungary. Providing cement or concrete casks with a protective coating. No. 884,994; Apr. 14; Sp. p. 2703; Gaz. vol. 133; p. 1650.
- Rostron, J., Bradford, and T. Worman, Manchester, England. Automatic weft-replenishing apparatus for looms. No. 886,542; May 5; Sp. p. 391; Dr. p. 83; Gaz. vol. 134; p. 72.
- Rosvold, J. A., Nome, Alaska. Wave-breaker. No. 898,266; Sept. 8; Sp. p. 2087; Dr. p. 444; Gaz. vol. 136; p. 361.
- Rothe, C. V., assignor of two-thirds to F. E. Shee and F. Shoff, Lancaster, Pa. Railway-car. No. 880,164; Feb. 25; Sp. p. 4698; Dr. p. 990; Gaz. vol. 132; p. 1698.
- Rothe, C. V., and F. E. Shee, assignors of one-third to F. Shoff, Lancaster, Pa. Car-brake. No. 881,263; Mar. 10; Sp. p. 1540; Dr. pp. 331-2; Gaz. vol. 133; p. 290.
- Rotelli, R. (See Battistoni and Rotelli.)
- Roteng Engineering Corporation. (See Schroeder, F. W., assignor.)
- Roteng Engineering Corporation. (See Tolman, C. P., assignor.)
- Roteng Manufacturing Company. (See Tolman, C. P., assignor.)
- Rotermundt, O. H., San Francisco, Cal. Chimney-cowl. No. 906,822; Dec. 15; Sp. p. 3290; Gaz. vol. 137; p. 1590.
- Roters, A. H., Urania, La. Oyster-opener. No. 896,162; Aug. 18; Sp. p. 2741; Dr. p. 590; Gaz. vol. 135; p. 1392.
- Roth, A., Newport, Ky. Dough-mixing machine. No. 879,590; Feb. 18; Sp. p. 3510; Dr. p. 735; Gaz. vol. 132; p. 1477.
- Roth Bros. (See Warder, W. J., Jr., assignor.)
- Roth, C., Zehlendorf, near Berlin, Germany. Turbine. No. 902,252; Oct. 27; Sp. p. 4558; Dr. p. 925; Gaz. vol. 136; p. 1876.
- Roth, C., Zehlendorf, near Berlin, Germany. Turbine-blade fastening. No. 902,915; Nov. 3; Sp. p. 772; Gaz. vol. 137; p. 127.

Alphabetical list of patentees—Continued.

- Roth, E. N., assignor to E. H. Gold, Chicago, Ill. Filling attachment. No. 885,865; Apr. 28; Sp. p. 4520; Dr. p. 948; Gaz. vol. 133; p. 1995.
- Roth, G., assignor to Aktien Gesellschaft für Technische Industrie, Zurich, Switzerland. Adding-machine. No. 886,543; May 5; Sp. p. 394; Dr. pp. 83-4; Gaz. vol. 134; p. 73.
- Roth, G. M., New York, N. Y. Gage. No. 906,164; Dec. 8; Sp. p. 2063; Gaz. vol. 137; p. 1353.
- Roth, H. R., South Allentown, Pa. Rail-joint. No. 897,851; Sept. 1; Sp. p. 1240; Dr. pp. 265-6; Gaz. vol. 136; p. 197.
- Roth, I. (See Kádár and Roth.)
- Roth, J., West Homestead, Pa. Ink-well. No. 895,792; Aug. 11; Sp. p. 2046; Dr. p. 434; Gaz. vol. 135; p. 1253.
- Roth, J. C., Lowell, Mich. Buggy-box. No. 895,304; Aug. 4; Sp. p. 1080; Dr. p. 226; Gaz. vol. 135; p. 1071.
- Roth, J. E. (See Arbogast, F. L., assignor.)
- Roth, M., Lille, France. Combing-machine. No. 905,233; Dec. 1; Sp. p. 224; Gaz. vol. 137; p. 1021.
- Roth, R. R., Easton, Md. Mail catching and delivering device. No. 895,203; Aug. 4; Sp. p. 861; Dr. p. 180; Gaz. vol. 135; p. 1038.
- Roth, R. R., Easton, Md. Mail-catcher. No. 901,042; Oct. 13; Sp. p. 2051; Dr. p. 417; Gaz. vol. 136; p. 1418.
- Rothamel, S. (See MacCready, J. J., assignor.)
- Rothberg, M. E., Pittsburg, Pa., assignor to Coal and Coke By-Products Company. Coke-oven. No. 893,017; July 14; Sp. p. 1286; Dr. pp. 270-1; Gaz. vol. 135; p. 239.
- Rothenberg, L. S. (See Porter, F. O., assignor.)
- Rothenberger, F. C. (See Flynn and Rothenberger.)
- Rothengatter, O., New York, N. Y. Kitchen-rack. No. 886,413; May 5; Sp. p. 151; Dr. p. 31; Gaz. vol. 134; p. 29.
- Rothenstein, O., Chicago, Ill. Method and apparatus for controlling electric circuits. No. 895,044; Aug. 4; Sp. p. 544; Dr. p. 111; Gaz. vol. 135; p. 983.
- Rother, E. P., Chicago, Ill. Furniture-caster. No. 900,424; Oct. 6; Sp. p. 736; Dr. pp. 153-4; Gaz. vol. 136; p. 1189.
- Rother, E. P., Chicago, Ill. Roller-skate. No. 904,088; Nov. 17; Sp. p. 3151; Gaz. vol. 137; p. 572.
- Rothermel, A. (See Fies, D. A., assignor.)
- Rothermel, C. J., New Hope, Pa., Roll-protector. No. 894,906; Aug. 4; Sp. p. 240; Dr. p. 51; Gaz. vol. 135; p. 936.
- Rothermel, S. W., New York, N. Y., assignor to R. W. Barkley, trustee, Montclair, N. J. Transmitter. No. 880,044; Feb. 25; Sp. p. 4464; Dr. pp. 937-8; Gaz. vol. 132; p. 1658.
- Rothermel, W. E. (See Flora, E. E., assignor.)
- Rothermel, W. E. (See Flora, E. E., assignor.) (Reissue.)
- Rothermel, W. E., Chicago, Ill. Protecting means for the ends of rolls of merchandise. No. 881,490; Mar. 10; Sp. p. 1995; Dr. p. 435; Gaz. vol. 133; p. 362.
- Rothong, P., assignor to Jordan Machine Company, Philadelphia, Pa. Automatic glue feeder and spreader for box-machines. No. 899,621; Sept. 29; Sp. p. 4716; Dr. p. 1010; Gaz. vol. 136; p. 897.
- Rothschild, A. W., assignor to Rothschild Bros. & Co., New York, N. Y. Scarf-pin or similar article. No. 896,941; Aug. 25; Sp. p. 4357; Dr. p. 934; Gaz. vol. 135; p. 1671.
- Rothschild Bros. & Co. (See Rothschild, A. W., assignor.)
- Rothschild & Company. (See Rothschild, M. J., assignor.)
- Rothschild, M. J., assignor to Rothschild & Company, New York, N. Y. Carriage and automobile body. No. 889,402; June 2; Sp. p. 429; Dr. p. 102; Gaz. vol. 134; p. 1125.
- Rothweiler, H. N., Seattle, Wash. Wrench. No. 887,697; May 12; Sp. p. 2755; Dr. p. 582; Gaz. vol. 134; p. 476.
- Rothweiler, H. N., Seattle, Wash. Wrench. No. 898,267; Sept. 8; Sp. p. 2088; Dr. p. 444; Gaz. vol. 136; p. 361.
- Rotsch, C. H., San Francisco, Cal. Smoking-tube. No. 892,555; July 7; Sp. p. 312; Dr. p. 68; Gaz. vol. 135; p. 59.
- Rotter, M., assignor to Allis-Chalmers Company, Milwaukee, Wis. Blade-fastening. No. 899,622; Sept. 29; Sp. p. 4718; Dr. p. 1010; Gaz. vol. 136; p. 898.
- Röttgen, J., Klettenberg, and J. Frey, Sülz, near Cologne, Germany. Exposure-plate for copying apparatus. No. 899,908; Sept. 29; Sp. p. 5301; Dr. p. 1133; Gaz. vol. 136; p. 990.
- Rotz, J. B., Port Loudon, Pa. Checkrein-hook. No. 900,425; Oct. 6; Sp. p. 737; Dr. p. 154; Gaz. vol. 136; p. 1190.
- Rouch, E. E., assignor, by mesne assignments, to C. J. Holton, Detroit, Mich. Doll. No. 875,954; Jan. 7; Sp. p. 522; Dr. p. 111; Gaz. vol. 132; p. 92.
- Rouff, C., New Orleans, La. Nursing-waist. No. 907,290; Dec. 22; Sp. p. 4235; Gaz. vol. 137; p. 1779.
- Roughsedge, W. H., Ottawa, Ontario, Canada. Gold-washing screen. No. 883,974; Apr. 7; Sp. p. 619; Dr. pp. 123-4; Gaz. vol. 133; p. 1290.
- Roulard, L. W., Olivet, Kans. Wedge-cutter. No. 901,384; Oct. 20; Sp. p. 2752; Dr. p. 560; Gaz. vol. 136; p. 1566.
- Roulett, J. D., et al. (See Stubblefield, N. B., assignor.)
- Rounds, D., and C. E. Cook, Portland, Me. Repair-last. No. 877,519; Jan. 28; Sp. p. 3765; Dr. p. 814; Gaz. vol. 132; p. 701.
- Rounds, E. L. (See Rounds, L. L., assignor.)
- Rounds, L. L., Orange, N. J., assignor to E. L. Rounds, New York, N. Y. Harness-buckle. No. 899,327; Sept. 22; Sp. p. 4123; Dr. p. 882; Gaz. vol. 136; p. 765.
- Rounds, M., Boston, Mass. Articulated car. No. 884,420; Apr. 14; Sp. p. 1514; Dr. p. 325; Gaz. vol. 133; p. 1465.
- Rounds, M., Boston, Mass. Railway-car. No. 895,686; Aug. 11; Sp. p. 1820; Dr. pp. 387-8; Gaz. vol. 135; p. 1219.
- Rounds, R., Hennessey, Okla. Cow-pa cutter. No. 879,324; Feb. 18; Sp. p. 2931; Dr. p. 611; Gaz. vol. 132; p. 1390.
- Rounds, W. S., and D. Holland, Saratoga Springs, N. Y. Conduit-box. No. 890,935; June 16; Sp. p. 3550; Dr. p. 774; Gaz. vol. 134; p. 1083.
- Rounsevell, J., and A. Bilms, Cuxhaven, Germany. Time-indicator for telephones. No. 876,493; Jan. 14; Sp. p. 1632; Dr. p. 354; Gaz. vol. 132; p. 298.
- Rountree, H. W., Richmond, Va. Garment-hanger. No. 877,598; Jan. 28; Sp. p. 3933; Dr. p. 851; Gaz. vol. 132; p. 726.
- Rouquier, A., Natchitoches, La. Cotton-cleaner. No. 883,349; Mar. 31; Sp. p. 5691; Dr. pp. 1215-16; Gaz. vol. 133; p. 1060.
- Rourke, F. O., Shawnee, Ohio. Plumb and level. No. 897,411; Sept. 1; Sp. p. 355; Dr. p. 75; Gaz. vol. 136; p. 54.
- Rouse, C., and N. C. Neemes, Pittsburg, Pa. Coke-pushing machine. No. 903,783; Nov. 10; Sp. p. 2494; Gaz. vol. 137; p. 437.
- Rouse, H. B., Chicago, Ill. Printer's rule and lead cutter. No. 894,398; July 28; Sp. p. 4236; Dr. p. 874; Gaz. vol. 135; p. 743.
- Rouse, H. B., Chicago, Ill. Tool for moving jaws of printers' plate clamps. No. 894,399; July 28; Sp. p. 4239; Dr. p. 874; Gaz. vol. 135; p. 744.
- Roush, H. (See Roush, P., Jr., and H.)
- Roush, P., Jr., and H., Greenfield, Ohio. Display-rack. No. 890,929; June 16; Sp. p. 3526; Dr. p. 772; Gaz. vol. 134; p. 1681.
- Roussel, P. A., Raceland, La. Packet-holder. No. 879,591; Feb. 18; Sp. p. 3511; Dr. p. 735; Gaz. vol. 132; p. 1477.
- Roussel, W. J., New Orleans, La. Index. No. 881,156; Mar. 10; Sp. p. 1327; Dr. p. 286; Gaz. vol. 133; p. 256.
- Rousset, J. A. G. (See Germain and Ossart, assignors.)
- Routh, D. D., Petersburg, Va. Photographic apparatus. No. 889,262; June 2; Sp. p. 134; Dr. p. 33; Gaz. vol. 134; p. 1080.
- Routliffe, C. H. (See Watkinson, F. J., assignor.)
- Rouxville, E. A. L., Paris, France. Celluloid substitute and making the same. No. 881,827; Mar. 10; Sp. p. 2649; Gaz. vol. 133; p. 471.
- Rouy, G., New York, N. Y. Car-truck. No. 907,528; Dec. 22; Sp. p. 4693; Gaz. vol. 137; p. 1857.
- Rovere, P. L. D., Bagnaria, near Viterbo, Italy. Armored cover for the protection of rubber tires. No. 901,300; Oct. 13; Sp. p. 2541; Dr. p. 523; Gaz. vol. 136; p. 1499.
- Row, G. S., Indianapolis, Ind. Lens-fastening for nose-glasses. No. 875,955; Jan. 7; Sp. p. 523; Dr. p. 111; Gaz. vol. 132; p. 92.
- Row, P. W., Hillsboro, Ill. Rail-joint. No. 898,006; Sept. 8; Sp. p. 1580; Dr. p. 337; Gaz. vol. 136; p. 280.
- Rowan, A. J., and J. A. Laux, Tremont, Pa. Turbine. No. 901,385; Oct. 20; Sp. p. 2754; Dr. p. 561; Gaz. vol. 136; p. 1566.
- Rowbotham, J., Center Square, Pa. Apparatus for discharging packages from moving vehicles. No. 897,412; Sept. 1; Sp. p. 357; Dr. p. 75; Gaz. vol. 136; p. 55.
- Rowbottom, G., assignor, by mesne assignments, to Connecticut Hook & Eye Company, Waterbury, Conn. Machine for fastening hooks and eyes on cards. No. 903,784; Nov. 10; Sp. p. 2498; Gaz. vol. 137; p. 437.
- Rowe, C. E., Austin, Tex. Calendar. No. 884,861; Apr. 14; Sp. p. 2455; Dr. p. 517; Gaz. vol. 133; p. 1611.
- Rowe, C. W., Concord, N. C. Smoke-filtering attachment for pipes, &c. No. 882,913; Mar. 24; Sp. p. 4826; Dr. p. 1024; Gaz. vol. 133; p. 888.
- Rowe, D. B. (See Withered, H. E., assignor.)
- Rowe, D. M., Oglesby, Ill. Egg-crate. No. 898,007; Sept. 8; Sp. p. 1581; Dr. p. 337; Gaz. vol. 136; p. 281.
- Rowe, E., Indiana, Pa. Step-ladder. No. 897,157; Aug. 25; Sp. p. 4804; Dr. p. 1023; Gaz. vol. 135; p. 1743.
- Rowe, F. M., and T. W. Reimer, Rockford, Ill. Animal-forceps. No. 886,414; May 5; Sp. p. 151; Dr. p. 31; Gaz. vol. 134; p. 30.
- Rowe, G., et al. (See Farrow, J., assignor.)
- Rowe, G. F., Bangor, Me., and J. F. Johnston, Mispic, New Brunswick, Canada. Floating crib for transportation of pulp-wood. No. 902,253; Oct. 27; Sp. p. 4559; Dr. p. 925; Gaz. vol. 136; p. 1876.
- Rowe, G. H., Riverside, assignor of one-half to W. H. Johnson, Glencoe, Ill. Electromechanical device. No. 894,782; July 28; Sp. p. 4974; Dr. p. 1038; Gaz. vol. 135; p. 867.
- Rowe, G. W., Hampton, Va. Sifter-box. No. 887,851; May 19; Sp. p. 3091; Dr. p. 648; Gaz. vol. 134; p. 558.
- Rowe, J. A., et al. (See Owens, J. M., assignor.)

Alphabetical list of patentees—Continued.

- Rowe, J. W., Somerville, Mass., assignor to Norwall Manufacturing Company, New York, N. Y. Relief-valve. No. 899,077; Sept. 22; Sp. p. 3622; Dr. p. 776; Gaz. vol. 136; p. 683.
- Rowe, L., assignor of one-half to W. G. Lewis, Homestead, Pa. Butcher's block. No. 886,077; Apr. 28; Sp. p. 4963; Dr. p. 1044; Gaz. vol. 133; p. 2065.
- Rowe, M. A., West Hoboken, N. J. Ice-cream freezer. No. 883,570; Mar. 31; Sp. p. 6174; Dr. p. 1313; Gaz. vol. 133; p. 1130.
- Rowe, N., Guanajuato, Mexico. Insulator for high-tension lines. No. 907,406; Dec. 22; Sp. p. 4445; Gaz. vol. 137; p. 1817.
- Rowe, S. M., Chicago, Ill. Door mechanism for creosoting-tanks. No. 908,144; Dec. 29; Sp. p. 6012; Gaz. vol. 137; p. 2090.
- Rowe, T., Dollar Bay, Mich. Water-economizer for figs. No. 875,850; Jan. 7; Sp. p. 321; Dr. p. 71; Gaz. vol. 132; p. 59.
- Rowe, T., Wynnewood, Pa. Lawn-mower. No. 905,591; Dec. 1; Sp. p. 966; Gaz. vol. 137; p. 1138.
- Rowe, W. R. (See Goodwin and Rowe.)
- Rowell, B. C., Chicago, Ill., assignor to Rowell Potter Safety Stop Company, Portland, Me. Train protection for railways. No. 879,494; Feb. 18; Sp. p. 3287; Dr. pp. 688-9; Gaz. vol. 132; p. 1445.
- Rowell, J. M. (See Maxwell and Rowell.)
- Rowell Potter Safety Stop Company. (See Rowell, B. C., assignor.)
- Rowell, T. B., Beaver Dam, Wis. Grain-drill. No. 879,495; Feb. 18; Sp. p. 3294; Dr. p. 689; Gaz. vol. 132; p. 1446.
- Rowell, W. F., Salem Depot, N. H. Stool. No. 889,637; June 2; Sp. p. 874; Dr. p. 200; Gaz. vol. 134; p. 1200.
- Rowell, W. G., Bridgeport, Conn. Reversible compression stop and waste. No. 901,481; Oct. 20; Sp. p. 2981; Dr. p. 607; Gaz. vol. 136; p. 1598.
- Rowen-Mathison Machinery Company. (See Mathison, J., assignor.)
- Rowing, H. W. (See Riley and Rowing.)
- Rowland, C. L., New York, N. Y. Subaqueous rock-breaker. No. 907,407; Dec. 22; Sp. p. 4446; Gaz. vol. 137; p. 1817.
- Rowland, D. E., Canton, Ohio. Wrench. No. 878,673; Feb. 11; Sp. p. 1667; Dr. p. 343; Gaz. vol. 132; p. 1140.
- Rowland, D. E., assignor to Ney Manufacturing Company, Canton, Ohio. Hoist. No. 892,896; July 7; Sp. p. 1022; Dr. p. 214; Gaz. vol. 135; p. 169.
- Rowland, F. E., *et al.* (See Marshall, W. J., assignor.)
- Rowland Firth & Son. (See Firth, R., assignor.)
- Rowland, I. E. (See Purtle and Rowland.)
- Rowland, R. A., and W. J. Mahne, Cleveland, Ohio. Abrasive tool and mounting. No. 881,621; Mar. 10; Sp. p. 2257; Dr. p. 490; Gaz. vol. 133; p. 407.
- Rowland Telegraphic Company. (See Potts, L. M., assignor.)
- Rowlands, C. (See Hapgood and Rowlands.)
- Rowlands, D. D. (See Lyon, J. P., assignor.)
- Rowlett, O., Maysville, Mo. Railroad-tie. No. 905,234; Dec. 1; Sp. p. 228; Gaz. vol. 137; p. 1022.
- Rowley, F., Whaley Bridge, England. Manufacture of tennis and similar playing balls. No. 902,330; Oct. 27; Sp. p. 4749; Dr. p. 958; Gaz. vol. 136; p. 1904.
- Rowley, J. F., Chicago, Ill. Cushioned joint for artificial limbs. No. 905,372; Dec. 1; Sp. p. 487; Gaz. vol. 137; p. 1066.
- Rowley, W. W., assignor to W. F. Cowham, Jackson, Mich. Molding-machine. No. 880,575; Mar. 3; Sp. p. 177; Dr. p. 39; Gaz. vol. 133; p. 32.
- Rowney, J., assignor of one-half to W. Eppmeyer, East St. Louis, Ill. Mine-car-hauling device. No. 903,006; Nov. 3; Sp. p. 957; Gaz. vol. 137; p. 158.
- Rowntree, H., Chicago, Ill. Air-brake system. No. 890,930; June 16; Sp. p. 3529; Dr. p. 773; Gaz. vol. 134; p. 1681.
- Rowntree, H., Chicago, Ill. Air-brake-control mechanism. No. 890,931; June 16; Sp. p. 3535; Dr. p. 773; Gaz. vol. 134; p. 1682.
- Rowntree, H., Chicago, Ill. Air-brake equipment for cars. No. 890,932; June 16; Sp. p. 3540; Dr. p. 773; Gaz. vol. 134; p. 1682.
- Rowntree, H., Chicago, Ill. Brake mechanism. No. 890,933; June 16; Sp. p. 3544; Dr. p. 774; Gaz. vol. 134; p. 1683.
- Rowntree, H., assignor to Burdett-Rowntree Manufacturing Company, Chicago, Ill. Electromagnet. No. 886,869; May 5; Sp. p. 1070; Dr. p. 225; Gaz. vol. 134; p. 176.
- Rowntree, assignor to Burdett-Rowntree Manufacturing Company, Chicago, Ill. Electromagnet. No. 886,870; May 5; Sp. p. 1074; Dr. p. 225; Gaz. vol. 134; p. 176.
- Roy, E. H., Nashville, Tenn., assignor to National Novelty Advertising Company. Display or campaign button. No. 889,549; June 2; Sp. p. 718; Dr. p. 165; Gaz. vol. 134; p. 1172.
- Roy, J. A., Montreal, Quebec, Canada. Door-bolt. No. 885,866; Apr. 28; Sp. p. 4521; Dr. p. 949; Gaz. vol. 133; p. 1995.
- Roy, L. A. (See Sprague, A. R., assignor.)
- Roy, L. H. (See Sprague, A. R., assignor.)
- Royal, B. G. (See Haug and Royal.)
- Royal, C. B., Oak Park, Ill. Lubricating apparatus. No. 900,887; Oct. 13; Sp. p. 1740; Dr. pp. 351-2; Gaz. vol. 136; p. 1367.
- Royal, P. P., Drummond, Mont. Safety soap-holder. No. 894,700; July 28; Sp. p. 4829; Dr. p. 1004; Gaz. vol. 135; p. 843.
- Royal Supply Company. (See Clark and Douglas, assignors.)
- Royal Typewriter Company. (See Flynn, M. H., assignor.)
- Royal Typewriter Company. (See Hess, E. B., assignor.)
- Royal Typewriter Company. (See Hess and Stoughton, assignors.)
- Royal Typewriter Company. (See MacGuffie, J. R., assignor.)
- Royal Worcester Corset Co. (See Lecoutre, A. J., assignor.) (Reissue.)
- Royce, F. H., Manchester, England. Motor road-vehicle. No. 888,535; May 26; Sp. p. 4409; Dr. p. 935; Gaz. vol. 134; p. 809.
- Royce, H. A. (See Greenlaw and Royce.)
- Royden Marble Machinery Company. (See Peirce, J. R., assignor.)
- Royer, C. M. (See Phillips and Royer.)
- Royer, G. F. (See Kelly and Royer.)
- Royer, G. F., Wilkes-Barre, Pa. Flexible pipe. No. 899,623; Sept. 29; Sp. p. 4719; Dr. p. 1011; Gaz. vol. 136; p. 898.
- Royle, V., Paterson, N. J. Subject-squaring gage. No. 890,181; June 9; Sp. p. 1982; Dr. pp. 437-8; Gaz. vol. 134; p. 1406.
- Royle, V., Paterson, N. J. Hand-liner for photo-engraved plates. No. 893,938; July 21; Sp. p. 3244; Dr. p. 668; Gaz. vol. 135; p. 570.
- Royle, V., Paterson, N. J. Head for insulating-machines. No. 893,939; July 21; Sp. p. 3247; Dr. p. 668; Gaz. vol. 135; p. 570.
- Royle, V., Paterson, N. J. Routing-machine. No. 893,940; July 21; Sp. p. 3248; Dr. p. 669; Gaz. vol. 135; p. 571.
- Royle, V., Paterson, N. J. Discharge-nozzle or former of tube-making machines. No. 906,297; Dec. 8; Sp. p. 2323; Gaz. vol. 137; p. 1399.
- Royne, W. E., Heppner, Oreg. Draft-equalizer. No. 906,298; Dec. 8; Sp. p. 2324; Gaz. vol. 137; p. 1399.
- Rozier, C. B., Empire, Ga. Planter. No. 886,415; May 5; Sp. p. 152; Dr. p. 31; Gaz. vol. 134; p. 30.
- Rozine, J., and C. W. Guthrie, Sheridan, Wyo. Railway-tie. No. 895,687; Aug. 11; Sp. p. 1825; Dr. p. 388; Gaz. vol. 135; p. 1220.
- Rubach, L., South Chicago, Ill. Hydraulic ram. No. 878,239; Feb. 4; Sp. p. 706; Dr. p. 145; Gaz. vol. 132; p. 961.
- Rubber and Celluloid Harness Trimming Co. (See Miltner, E., assignor.)
- Rubber Paint Co. (See Dellenbarger, C. E., assignor.)
- Rube, W., O'Fallon, Ill. Stove. No. 879,909; Feb. 25; Sp. p. 4197; Dr. p. 876; Gaz. vol. 132; p. 1615.
- Rubel, I. F., Chicago, Ill. Binder. No. 878,746; Feb. 11; Sp. p. 1803; Dr. p. 373; Gaz. vol. 132; p. 1163.
- Rübel, W., Hamburg, Germany. Alloy. No. 906,937; Dec. 15; Sp. p. 3518; Gaz. vol. 137; p. 1627.
- Rubenking, J. H., Jr., Burton View, Ill. Negative-washing device. No. 893,103; July 14; Sp. p. 1447; Dr. pp. 305-6; Gaz. vol. 135; p. 267.
- Rubin, M., New York, N. Y. Buckle. No. 880,576; Mar. 3; Sp. p. 178; Dr. p. 39; Gaz. vol. 133; p. 32.
- Ruby, F. W., Jackson, Mich. Electric-lamp receptacle for electric signs. No. 904,728; Nov. 24; Sp. p. 4512; Gaz. vol. 137; p. 816.
- Ruchti, C., Kinsman, Ohio. Can. No. 907,529; Dec. 22; Sp. p. 4695; Gaz. vol. 137; p. 1857.
- Ruck, R. M., London, England. Variable-speed driving mechanism. No. 882,968; Mar. 24; Sp. p. 4931; Dr. p. 1047; Gaz. vol. 133; p. 907.
- Rückels, R., Dusseldorf, Germany. Lid-lifting apparatus for pit-furnaces. No. 891,863; June 30; Sp. p. 5497; Dr. p. 1181; Gaz. vol. 134; p. 2053.
- Rucker, B. P., Wilkesburg, Pa. Shade and socket for incandescent lamps. No. 900,426; Oct. 6; Sp. p. 738; Dr. p. 154; Gaz. vol. 136; p. 1190.
- Rucker, E. H. (See Upright, C. W., assignor.)
- Rucker, E. L. (See Rogers and Rucker.)
- Rucker, E. L. (See Rucker, G. W. and E. L.)
- Rucker, G. W. and E. L., Minneapolis, Minn. Flue-cleaner. No. 894,538; July 28; Sp. p. 4501; Dr. p. 933; Gaz. vol. 135; p. 789.
- Rucker, R. W. (See Bechi, G. de, assignor.)
- Rudd, J. F., Kansas City, Mo., assignor to C. E. Mead, Chicago, Ill. Pneumatic carpet-cleaning machine. No. 906,165; Dec. 8; Sp. p. 2065; Gaz. vol. 137; p. 1354.
- Rudd, O., assignor to Simmons Manufacturing Company, Kenosha, Wis. Metal bed. No. 901,482; Oct. 20; Sp. p. 2983; Dr. p. 608; Gaz. vol. 136; p. 1593.
- Rudd, P., Chicago, Ill. Bag-holding mechanism. No. 892,185; June 30; Sp. p. 6084; Dr. pp. 1308-9; Gaz. vol. 134; p. 2158.
- Ruddick, H., Dallas, Oreg. Separator. No. 889,811; June 2; Sp. p. 1206; Dr. p. 278; Gaz. vol. 134; p. 1255.

Alphabetical list of patentees—Continued.

- Ruddick, J. J., Newton, Mass., assignor to United States Electric Signal Company, Portland, Me. Track-switch. No. 903,110; Nov. 3; Sp. p. 1156; Gaz. vol. 137; p. 188.
- Ruddick, J. J., Newton, Mass., assignor to United States Electric Signal Company, Portland, Me. Signal system. No. 903,785; Nov. 10; Sp. p. 2501; Gaz. vol. 137; p. 438.
- Ruddiman, T. H., assignor to Banana Steel Crate Co., Detroit, Mich. Banana-crate. No. 876,592; Jan. 14; Sp. p. 1856; Dr. p. 406; Gaz. vol. 132; p. 334.
- Rude Brothers Manufacturing Company. (See Rude and Smith, assignors.)
- Rude, I. T. (See Nicholson and Rude.)
- Rude, J. F., and J. W. Smith, assignors to Rude Brothers Manufacturing Company, Liberty, Ind. Manure-spreader. No. 888,747; May 26; Sp. p. 4852; Dr. pp. 1034-5; Gaz. vol. 134; p. 880.
- Rude, J. F., and J. W. Smith, assignors to Rude Brothers Manufacturing Company, Liberty, Ind. Manure-spreader. No. 892,308; June 30; Sp. p. 6320; Dr. p. 1361; Gaz. vol. 134; p. 2199.
- Rude, J. M., Covington, Ky., assignor to National Cellular Steel Company, New York, N. Y. Metal-shaping machine. No. 879,415; Feb. 18; Sp. p. 3131; Dr. p. 651; Gaz. vol. 132; p. 1420.
- Rudge, A., assignor to A. Merie Co., San Francisco, Cal. Manufacture of small steel ingots. No. 890,934; June 16; Sp. p. 3547; Dr. p. 774; Gaz. vol. 134; p. 1683.
- Rudisch, P., New York, N. Y. Disinfecting apparatus. No. 896,942; Aug. 25; Sp. p. 4358; Dr. p. 934; Gaz. vol. 135; p. 1671.
- Rudisill, G. H., Sewickley, Pa. Folding crate or box. No. 895,793; Aug. 11; Sp. p. 2046; Dr. p. 435; Gaz. vol. 135; p. 1253.
- Rudland, A. C., Vancouver, British Columbia, Canada. Pneumatic tire. No. 900,888; Oct. 13; Sp. p. 1742; Dr. p. 352; Gaz. vol. 136; p. 1367.
- Rudolph, A. J., Chicago, Ill. Device for transferring parcels to and from moving trains. No. 883,239; Mar. 31; Sp. p. 5479; Dr. pp. 1108-9; Gaz. vol. 133; p. 1025.
- Rudolph, M. R., Warrens, Wis. Sleigh. No. 880,165; Feb. 25; Sp. p. 4698; Dr. pp. 990-1; Gaz. vol. 132; p. 1698.
- Rudolph, P., assignor to Firm of C. Zeiss, Jena, Germany. Photographic objective. No. 886,416; May 5; Sp. p. 153; Dr. p. 32; Gaz. vol. 134; p. 30.
- Rudolph, P., assignor to Firm of C. Zeiss, Jena, Germany. Photographic objective. No. 895,045; Aug. 4; Sp. p. 546; Dr. p. 111; Gaz. vol. 135; p. 984.
- Rudolph Wurlitzer Company. (See Shawan, J. T., assignor.)
- Rudolph, F., Chicago, Ill., assignor to American Can Company, New York, N. Y. Stationary-can double-seaming machine. No. 877,375; Jan. 21; Sp. p. 3463; Dr. pp. 752-3; Gaz. vol. 132; p. 632.
- Rudolph, F., Chicago, Ill., assignor to American Can Company, New York, N. Y. Lock-seam-can-body-making machine. No. 893,102; July 14; Sp. p. 1444; Dr. pp. 304-5; Gaz. vol. 135; p. 266.
- Rudolph, F., Chicago, and C. J. Nelson, Maywood, Ill., assignors to American Can Company, New York, N. Y. Can-testing machine. No. 893,101; July 14; Sp. p. 1438; Dr. p. 303-4; Gaz. vol. 135; p. 266.
- Rue, A. C. S. (See Rue, C. S. and A. C. S.)
- Rue, C. S. and A. C. S., Northwood, Iowa. Tile-protector. No. 906,562; Dec. 15; Sp. p. 2801; Gaz. vol. 137; p. 1508.
- Rue, K. O., Wolf Butte, N. D. Hame. No. 886,156; Apr. 28; Sp. p. 5119; Dr. p. 1075; Gaz. vol. 133; p. 2090.
- Rueckheim Bros. & Eckstein. (See Eckstein, H. G., assignor.)
- Rued, H. L., Butterfield, Minn. Sliding-door fastener. No. 879,325; Feb. 18; Sp. p. 2932; Dr. p. 611; Gaz. vol. 132; p. 1390.
- Rued, H. L., Butterfield, Minn. Safety attachment for whiffletrees. No. 889,722; June 2; Sp. p. 1049; Dr. p. 242; Gaz. vol. 134; p. 1227.
- Ruedy, H. U., Toledo, Ohio. Sealed wooden package. No. 891,009; June 16; Sp. p. 3712; Dr. p. 810; Gaz. vol. 134; p. 1709.
- Ruehlmann, M. (See Ruehlmann, P., assignor.)
- Ruehlmann, P., assignor to M. Ruehlmann, Philadelphia, Pa. Physician's case. No. 889,156; May 26; Sp. p. 5721; Dr. p. 1210; Gaz. vol. 134; p. 1014.
- Ruemelin, R., Huntington, Pa. Motor-vehicle. No. 894,060; July 21; Sp. p. 3520; Dr. p. 721; Gaz. vol. 135; p. 612.
- Ruetschi, A., Cleveland, Ohio. Clam-shell bucket. No. 882,844; Mar. 24; Sp. p. 4682; Dr. p. 996; Gaz. vol. 133; p. 865.
- Ruettgers, E., Brooklyn, N. Y. Nail-file or similar instrument. No. 901,743; Oct. 20; Sp. p. 3533; Dr. p. 714; Gaz. vol. 136; p. 1684.
- Ruff, J. F., Newberry, Fla. Can-opener. No. 891,443; June 23; Sp. p. 4578; Dr. p. 995; Gaz. vol. 134; p. 1882.
- Ruff, M. V., Smyrna, Ga. Street-sweeper. No. 884,421; Apr. 14; Sp. p. 1516; Dr. p. 325; Gaz. vol. 133; p. 1465.
- Ruff, W. J., Quincy, assignor of one-half to C. E. Felt, Chicago, Ill. Filter-plate lock. No. 904,649; Nov. 24; Sp. p. 4346; Gaz. vol. 137; p. 789.
- Rüfl, H. J., Indianapolis, Ind. Street-paving apparatus. No. 902,837; Nov. 3; Sp. p. 613; Gaz. vol. 137; p. 103.
- Ruffy, H. and M., Fremont, Ohio. Vegetable cutter and trimmer. No. 876,915; Jan. 14; Sp. p. 2497; Dr. p. 544; Gaz. vol. 132; p. 439.
- Ruffy, M. (See Ruffy, H. and M.)
- Rugg, C. W. (See Crowdes, J. G., assignor.)
- Rugg, D., Catskill, N. Y. Hinge. No. 880,757; Mar. 3; Sp. p. 544; Dr. p. 113; Gaz. vol. 133; p. 94.
- Rugg, D., Catskill, N. Y. Automatic wrench. No. 897,665; Sept. 1; Sp. p. 861; Dr. p. 184; Gaz. vol. 136; p. 138.
- Rugg, G. W., Newark, Ohio. Umbrella. No. 886,078; Apr. 28; Sp. p. 4964; Dr. pp. 1044-5; Gaz. vol. 133; p. 2067.
- Ruggaber, C., Buffalo, N. Y. Attachment for trolley-poles. No. 904,363; Nov. 17; Sp. p. 3749; Gaz. vol. 137; p. 667.
- Ruggles, C. H., Hope, Ark. Hay-press. No. 907,408; Dec. 22; Sp. p. 4449; Gaz. vol. 137; p. 1818.
- Ruggles, C. M. and H. A., Glenelg, Ill. Wire-stretcher. No. 896,760; Aug. 25; Sp. p. 3950; Dr. p. 851; Gaz. vol. 135; p. 1609.
- Ruggles, C. S., Three Rivers, Mass. Fisherman's type. No. 880,045; Feb. 25; Sp. p. 4467; Dr. p. 938; Gaz. vol. 132; p. 1659.
- Ruggles, G. W., Charlotte, N. Y. Green-corn fork. No. 880,166; Feb. 25; Sp. p. 4700; Dr. p. 991; Gaz. vol. 132; p. 1698.
- Ruggles, H. A. (See Ruggles, C. M. and H. A.)
- Ruggles, H. C., Moro, Oreg. Straw-burning stove. No. 906,299; Dec. 8; Sp. p. 2326; Gaz. vol. 137; p. 1399.
- Rugh, H. O., Sandwich, Ill. Telegraph system. No. 877,002; Jan. 21; Sp. p. 2710; Dr. p. 588; Gaz. vol. 132; p. 509.
- Rugh, H. O., Sandwich, Ill. Composite signaling and telephone system. No. 882,347; Mar. 17; Sp. p. 3719; Dr. p. 791; Gaz. vol. 133; p. 670.
- Rugh, H. O., Sandwich, Ill. Signaling-circuit. No. 897,413; Sept. 1; Sp. p. 360; Dr. p. 75; Gaz. vol. 136; p. 55.
- Rugh, H. O., Sandwich, Ill. Selective signaling system. No. 899,564; Sept. 29; Sp. p. 4587; Dr. p. 986; Gaz. vol. 136; p. 879.
- Ruhmann, B., Jersey City, N. J. Arch-supporter for flat feet. No. 881,343; Mar. 10; Sp. p. 1690; Dr. p. 365; Gaz. vol. 133; p. 315.
- Ruhmann, G. E., Schulenburg, Tex. Portable furnace. No. 895,688; Aug. 11; Sp. p. 1826; Dr. pp. 388-9; Gaz. vol. 135; p. 1220.
- Ruland, N., New York, N. Y. Power-transmission mechanism. No. 888,265; May 19; Sp. p. 3864; Dr. p. 813; Gaz. vol. 134; p. 692.
- Rule, D. C., Jr., Green Spring, Ohio. Potato-cutter. No. 906,300; Dec. 8; Sp. p. 2328; Gaz. vol. 137; p. 1400.
- Rulli, P. M., and J. V. Martrano, New Haven, Pa. Roller-skate. No. 876,093; Jan. 7; Sp. p. 798; Dr. p. 170; Gaz. vol. 132; p. 135.
- Rullman, A. A. and D. D., Wathena, Kans. Washing-machine. No. 890,714; June 16; Sp. p. 3094; Dr. p. 679; Gaz. vol. 134; p. 1611.
- Rullman, C. E. (See Johnston and Rullman.)
- Rullman, D. D. (See Rullman, A. A. and D. D.)
- Rumberg, F. S., Norway, Mich. Hat-pin. No. 876,094; Jan. 7; Sp. p. 799; Dr. p. 171; Gaz. vol. 132; p. 136.
- Rumbold, F. M. (See Morgan, B. J., assignor.)
- Rumely, W. N. (See Young, A., assignor.)
- Rumery, J., assignor of one-half to F. G. Nunn, Cleveland, Ohio. Lock for window-sashes. No. 886,254; Apr. 28; Sp. p. 5289; Dr. p. 1114; Gaz. vol. 133; p. 2123.
- Rumm, C., Stuttgart, Germany. Compound for combating fungoid diseases of plants. No. 891,567; June 23; Sp. p. 4829; Gaz. vol. 134; p. 1922.
- Rummel, W. (See Dotts, Gallagher, and Rummel.)
- Rump, F., Cheboygan, Mich. Harvester. No. 882,969; Mar. 24; Sp. p. 4934; Dr. p. 1047; Gaz. vol. 133; p. 907.
- Rumpel, J., Weston, Mo. Weed-cutting and root-destroying device. No. 887,275; May 12; Sp. p. 1893; Dr. p. 400; Gaz. vol. 134; p. 336.
- Rumpf, G. (See Leeds and Rumpf.)
- Rumsey, H. S., St. Louis, Mo. Water-closet. No. 907,409; Dec. 22; Sp. p. 4451; Gaz. vol. 137; p. 1818.
- Rundle, T. W. (See Ware and Rundle.)
- Rundlett, W. D., assignor to Davis & Furber Machine Company, North Andover, Mass. Bobbin-winding machine. No. 879,798; Feb. 18; Sp. p. 3905; Dr. p. 818; Gaz. vol. 132; p. 1544.
- Rundlöf, E. A., Stocksund, Sweden. Reversing device for internal-combustion engines. No. 883,750; Apr. 7; Sp. p. 137; Dr. p. 25; Gaz. vol. 133; p. 1216.
- Runnells, W. F., *et al.* (See Merrill, J. J., assignor.)
- Runnels, C. N. (See Breeze, H. J., assignor.)
- Runion, E. (See Runion, W. B. and E.)
- Runion, W. B. and E., assignors of one-half to L. S. Goff, Spencer, W. Va. Valve-operating mechanism. No. 891,568; June 23; Sp. p. 4831; Dr. p. 1042; Gaz. vol. 134; p. 1922.
- Runyon, A., Muscatine, Iowa. Vending-machine. No. 898,930; Sept. 15; Sp. p. 3348; Dr. pp. 718-19; Gaz. vol. 136; p. 609.
- Runyon, E. E., Pasadena, Cal. Envelop-fastener. No. 889,638; June 2; Sp. p. 875; Dr. pp. 200-1; Gaz. vol. 134; p. 1201.

Alphabetical list of patentees—Continued.

- Rupe, E. H., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone trunking system. No. 885,180; Apr. 21; Sp. p. 3113; Dr. p. 656; Gaz. vol. 133; p. 1744.
- Rupe, J. R., assignor to Chandelier & Art Brass Works, Richmond, Ind. Ladder. No. 891,736; June 23; Sp. p. 5184; Dr. p. 1120; Gaz. vol. 134; p. 1978.
- Rupe, J. R., and W. F. Balzer, assignors to Chandelier & Art Brass Works, Richmond, Ind. Step-ladder. No. 877,867; Jan. 28; Sp. p. 4426; Dr. p. 964; Gaz. vol. 132; p. 811.
- Ruple, F., assignor of three-fourths to T. F. Kirk, Jr., E. J. Smail, and A. A. Shepard, Pittsburg, Pa. Device for making facial expressions. No. 902,113; Oct. 27; Sp. p. 4275; Dr. p. 867; Gaz. vol. 136; p. 1832.
- Rupley, G. H., assignor of one-half to F. J. Seabolt, Schenectady, N. Y. Electric clock mechanism. No. 897,019; Aug. 25; Sp. p. 4534; Dr. p. 970; Gaz. vol. 135; p. 1697.
- Rupley, G. H., assignor of one-half to F. J. Seabolt, Schenectady, N. Y. Electric clock winding mechanism. No. 897,020; Aug. 25; Sp. p. 4538; Dr. p. 970; Gaz. vol. 135; p. 1697.
- Rupley, G. H., Schenectady, N. Y., assignor to General Electric Company. Insulating material. No. 904,808; Nov. 24; Sp. p. 4693; Gaz. vol. 137; p. 843.
- Rupp, L., Montreal, Quebec, Canada. Fleshing apparatus. No. 882,270; Mar. 17; Sp. p. 3576; Dr. p. 759; Gaz. vol. 133; p. 644.
- Rupp, L., Brooklyn, N. Y. Fleshing-machine. No. 899,233; Sept. 22; Sp. p. 3936; Dr. p. 840; Gaz. vol. 136; p. 735.
- Ruppel, C., Höchst-on-the-Main, Germany. Protected earthenware cock. No. 885,526; Apr. 21; Sp. p. 3814; Dr. p. 800; Gaz. vol. 133; p. 1856.
- Ruppel, W., Evanston, Wyo. Fruit-press. No. 876,095; Jan. 7; Sp. p. 800; Dr. p. 171; Gaz. vol. 132; p. 136.
- Ruppert, G. W., *et al.* (See Condon, E. J., assignor.)
- Ruprecht, C. C., assignor to Cleveland High Frequency Company, Cleveland, Ohio. High-frequency apparatus. No. 892,764; July 7; Dr. p. 724; Dr. pp. 153-4; Gaz. vol. 135; p. 125.
- Rural Automatic Mail Box Company. (See Lanier, J. S., assignor.)
- Rural Automatic Mail Box Company. (See Whitaker, S. T., assignor.)
- Rusbatch, A., Cleveland, Ohio. Wire-drawing machine. No. 900,312; Oct. 6; Sp. p. 513; Dr. pp. 106-7; Gaz. vol. 136; p. 1153.
- Ruse, C. L., Milford, assignor of two-thirds to J. Falk, G. R. Chamberlain, J. Andres, and J. Bergman, Peru, Ind. Concrete railway-rail tie. No. 888,851; May 26; Sp. p. 5096; Dr. p. 1087; Gaz. vol. 134; p. 914.
- Ruse, C. W., *et al.* (See Miller, E., assignor.)
- Rush, A., Columbus, Ohio. Flexible or rolling metallic shutter. No. 876,593; Jan. 14; Sp. p. 1857; Dr. p. 406; Gaz. vol. 132; p. 334.
- Rush, A., Columbus, Ohio. Fire-resisting shutter or curtain. No. 883,834; Apr. 7; Sp. p. 328; Dr. p. 62; Gaz. vol. 133; p. 1244.
- Rush, D. M. (See Knowles, G. S., assignor.)
- Rush, G. W., New York, N. Y. Saw-clamp. No. 885,084; Apr. 21; Sp. p. 2889; Dr. p. 613; Gaz. vol. 133; p. 1712.
- Rush, J. H., Boston, Mass. Guide-lubricator. No. 884,957; Apr. 14; Sp. p. 2633; Dr. p. 557; Gaz. vol. 133; p. 1639.
- Rush, J. M., Neesho, Mo. Car-door construction. No. 899,909; Sept. 29; Sp. p. 5302; Dr. pp. 1133-4; Gaz. vol. 136; p. 990.
- Rush, L. (See Heathcock and Rush.)
- Rush, R. S., Lake, Miss. Nut-lock. No. 905,235; Dec. 1; Sp. p. 229; Gaz. vol. 137; p. 1022.
- Rush, W. S., San Francisco, Cal. Motion-indicator for engines. No. 885,527; Apr. 21; Sp. p. 3815; Dr. p. 801; Gaz. vol. 133; p. 1856.
- Rush, W. S., San Francisco, Cal. Motion indicator and recorder. No. 885,528; Apr. 21; Sp. p. 3818; Dr. p. 801; Gaz. vol. 133; p. 1856.
- Rush, W. S., San Francisco, Cal. Motion indicator and recorder. No. 885,529; Apr. 21; Sp. p. 3828; Dr. p. 802; Gaz. vol. 133; p. 1857.
- Rush, W. S., San Francisco, Cal. Motion-indicator. No. 900,427; Oct. 6; Sp. p. 739; Dr. p. 155; Gaz. vol. 136; p. 1190.
- Rush, W. S., Stillwater, Okla. Alarm or signal system for engines and motors. No. 900,428; Oct. 6; Sp. p. 746; Dr. pp. 155-6; Gaz. vol. 136; p. 1191.
- Rushe, N., Rankin, Pa. Car-brake-operating mechanism. No. 876,730; Jan. 14; Sp. p. 2135; Dr. p. 469; Gaz. vol. 132; p. 379.
- Rushmore, D. B., Schenectady, N. Y., assignor to General Electric Company. Lightning-arrester. No. 887,525; May 12; Sp. p. 2444; Dr. p. 515; Gaz. vol. 134; p. 420.
- Rushmore, S. W., Plainfield, N. J. Acetylene-generator. No. 877,234; Jan. 21; Sp. p. 3200; Dr. p. 694; Gaz. vol. 132; p. 588.
- Rushmore, S. W., Plainfield, N. J. Gas-producer. No. 891,292; June 23; Sp. p. 4259; Dr. p. 932; Gaz. vol. 134; p. 1832.
- Rushton, J., J. L. Hopper, and J. H. Hardacre, Nelson, England. Sow-box of sizing or slashing machines. No. 882,421; Mar. 17; Sp. p. 3334; Dr. p. 819; Gaz. vol. 133; p. 693.
- Rushton, J. T. W., Bakerville, assignor of one-half to G. G. O'Guin, Waverly, Tenn. Peanut-digger. No. 894,701; July 28; Sp. p. 4830; Dr. p. 1004; Gaz. vol. 135; p. 843.
- Rushton, K., assignor to Burnham, Williams & Company, Philadelphia, Pa. Rear swing-truck for locomotives. No. 895,204; Aug. 4; Sp. p. 865; Dr. p. 181; Gaz. vol. 135; p. 1038.
- Rusk, C., Bucklin, Kans. Forced-draft appliance. No. 880,922; Mar. 3; Sp. p. 888; Dr. pp. 191-2; Gaz. vol. 133; p. 149.
- Rusk, E. W., Callaway, Nebr. Meat-cutting machine. No. 887,526; May 12; Sp. p. 2446; Dr. pp. 515-16; Gaz. vol. 134; p. 420.
- Russ, F. (See Grau and Russ.)
- Russ, F. A., *et al.* (See Goordes, F. W., assignor.)
- Russ, F. A., Greenwich, and J. B. Russ, Derby, Conn. Buckle for webbing. No. 878,090; Feb. 4; Sp. p. 398; Dr. p. 84; Gaz. vol. 132; p. 913.
- Russ, F. A., Greenwich, and J. B. Russ, Derby, Conn. Sheet-metal buckle. No. 905,931; Dec. 8; Sp. p. 1616; Gaz. vol. 137; p. 1279.
- Russ, F. A., Greenwich, and J. B. Russ, Shelton, Conn. One-piece buckle for webbing. No. 889,403; June 2; Sp. p. 431; Dr. p. 103; Gaz. vol. 134; p. 1126.
- Russ, F. A., Greenwich, and J. B. Russ, Shelton, Conn. Loop and button clasp. No. 902,916; Nov. 3; Sp. p. 775; Gaz. vol. 137; p. 128.
- Russ, F. A., Greenwich, and J. B. Russ, Shelton, Conn. Buckle for running webbing. No. 905,932; Dec. 8; Sp. p. 1617; Gaz. vol. 137; p. 1279.
- Russ, F. A., Greenwich, and J. B. Russ, Derby, Conn.; said J. B. Russ assignor, by mesne assignments, to C. H. Wright, Newark, N. J. Suspender-buckle. No. 893,266; July 14; Sp. p. 1776; Dr. p. 374; Gaz. vol. 135; p. 320.
- Russ, J. B. (See Russ, F. A. and J. B.)
- Russell, A., St. Marys, W. Va. Intermediate head for engine-frames and pump-cylinders. No. 901,837; Oct. 20; Sp. p. 3708; Dr. p. 753; Gaz. vol. 136; p. 1713.
- Russell, A., and J. D. Dinsmoor, St. Marys, W. Va. Reversing mechanism. No. 898,268; Sept. 8; Sp. p. 2089; Dr. p. 444; Gaz. vol. 136; p. 362.
- Russell, A. H., U. S. Army. Packing device for hats. No. 905,592; Dec. 1; Sp. p. 967; Gaz. vol. 137; p. 1138.
- Russell, A. J., and W. B. Terry, Sturgis, Mich. Sliding gate. No. 885,085; Apr. 21; Sp. p. 2890; Dr. p. 613; Gaz. vol. 133; p. 1713.
- Russell Anti-Friction Drill Chuck Company. (See Russell, R. M., assignor.)
- Russell, C. E., Cambridge, assignor to Stone Telegraph and Telephone Company, Boston, Mass. Oscillation-detector. No. 899,264; Sept. 22; Sp. p. 4021; Dr. pp. 858-9; Gaz. vol. 136; p. 746.
- Russell, C. N., *et al.* (See Squires, A. C., assignor.)
- Russell, E. C. (See Russell, I. O., assignor.)
- Russell, E. L. (See Butcher, C. C., assignor.)
- Russell & Erwin Manufacturing Company. (See Caley, C. J., assignor.)
- Russell & Erwin Manufacturing Company. (See Caley and Voight, assignors.)
- Russell & Erwin Manufacturing Company. (See Malone, O. P., assignor.)
- Russell & Erwin Manufacturing Company. (See Papenfoth, F., assignor.)
- Russell & Erwin Manufacturing Company. (See Voight, H. G., assignor.)
- Russell & Erwin Manufacturing Company. (See Voight and Caley, assignors.)
- Russell, F., Lismore, New South Wales, Australia. Field-gate. No. 877,235; Jan. 21; Sp. p. 3204; Dr. p. 694; Gaz. vol. 132; p. 588.
- Russell, F. J., (See Brown, P. C., assignor.)
- Russell, F. J., New York, N. Y. Electrical sign-receptacle. No. 881,344; Mar. 10; Sp. p. 1692; Dr. p. 366; Gaz. vol. 133; p. 315.
- Russell, F. J., New York, N. Y. Multiple socket for electric lamps. No. 889,812; June 2; Sp. p. 1208; Dr. p. 279; Gaz. vol. 134; p. 1255.
- Russell, F. J., New York, N. Y. Plural-lamp fixture. No. 902,004; Oct. 27; Sp. p. 4065; Dr. p. 825; Gaz. vol. 136; p. 1799.
- Russell, F. J., New York, N. Y. Rotary switch. No. 904,897; Nov. 24; Sp. p. 4883; Gaz. vol. 137; p. 872.
- Russell, F. J., New York, N. Y. Floor-pocket receptacle and plug. No. 904,898; Nov. 24; Sp. p. 4885; Gaz. vol. 137; p. 872.
- Russell, H. M., Jr., Wheeling, W. Va. Clutch. No. 885,086; Apr. 21; Sp. p. 2892; Dr. p. 613; Gaz. vol. 133; p. 1713.
- Russell, H. M., Jr., Wheeling, W. Va. Mechanical movement. No. 895,305; Aug. 4; Sp. p. 1081; Dr. p. 226; Gaz. vol. 135; p. 1072.
- Russell, H. S., Hanwell, and F. E. Berry, West Drayton, England. Two-phase alternating-current distribution. No. 905,930; Dec. 8; Sp. p. 1615; Gaz. vol. 137; p. 1279.
- Russell, H. W., assignor to Tubeless Iron Company, Manchester, N. H. Sad-iron heater. No. 901,744; Oct. 20; Sp. p. 3534; Dr. p. 715; Gaz. vol. 136; p. 1685.
- Russell, I. O., assignor to E. C. Russell, Indianapolis, Ind. Pipe. No. 895,499; Aug. 11; Sp. p. 1454; Dr. p. 305; Gaz. vol. 135; p. 1158.
- Russell, I. O., assignor of one-fourth to C. J. Clark and one-fourth to J. H. Berting, Indianapolis, Ind. Door-hanger. No. 895,794; Aug. 11; Sp. p. 2048; Dr. p. 435; Gaz. vol. 135; p. 1254.

Alphabetical list of patentees—Continued.

- Russell, J. W., Boston, Mass. Coupling device for snow-plows. No. 888,536; May 26; Sp. p. 4410; Dr. pp. 935-6; Gaz. vol. 134; p. 810.
- Russell, L., Carthage, Ill. Jeweler's staking-tool. No. 892,309; June 30; Sp. p. 6321; Dr. p. 1361; Gaz. vol. 134; p. 2199.
- Russell, M., Paw Paw, Mich. Adjustable scaffold. No. 885,791; Apr. 28; Sp. p. 4365; Dr. p. 916; Gaz. vol. 133; p. 1970.
- Russell Manufacturing Company. (See Fisher, W. C., assignor.)
- Russell, O. S., Battle Creek, Mich. Burial-case. No. 903,233; Nov. 10; Sp. p. 1401; Gaz. vol. 137; p. 259.
- Russell, P. J. (See Backlund, D., assignor.)
- Russell, R., Stephen, Minn. Traction-engine. No. 875,851; Jan. 7; Sp. p. 322; Dr. pp. 71-2; Gaz. vol. 132; p. 60.
- Russell, R. G., *et al.* (See Cooper, G., assignor.)
- Russell, R. M., assignor to Russell Anti-Friction Drill Chuck Company, Elmira, N. Y. Drill-chuck. No. 906,938; Dec. 15; Sp. p. 3518; Gaz. vol. 137; p. 1627.
- Russell, W. A., Kent, Ohio. Hand-controlled power-operative meat-saw. No. 898,067; Sept. 8; Sp. p. 1713; Dr. p. 363; Gaz. vol. 136; p. 300.
- Russell, W. A., Los Angeles, Cal. Transformable knob and thumb-latch lock. No. 903,111; Nov. 3; Sp. p. 1158; Gaz. vol. 137; p. 188.
- Russell, W. H. (See Eckland, C. M., assignor.)
- Russell, W. H., and C. Eckland, Oakland, Cal. Valve. No. 895,306; Aug. 4; Sp. p. 1083; Dr. p. 227; Gaz. vol. 135; p. 1072.
- Russell, W. T., Rochelle, Ill. Reversible machinist's clamp. No. 893,754; July 21; Sp. p. 2876; Dr. p. 591; Gaz. vol. 135; p. 511.
- Russo, P., Pittsburg, Pa. Envelop. No. 880,828; Mar. 3; Sp. p. 700; Dr. p. 147; Gaz. vol. 133; p. 119.
- Rust, E. C., Dallas, Tex. Screen-hanger. No. 880,577; Mar. 3; Sp. p. 179; Dr. p. 39; Gaz. vol. 133; p. 32.
- Rust, O. R., Springfield, Ohio. Belt-buckle. No. 880,758; Mar. 3; Sp. p. 545; Dr. p. 113; Gaz. vol. 133; p. 94.
- Rust, O. R., Springfield, Ohio. Edge-trimming machine. No. 908,332; Dec. 29; Sp. p. 6420; Gaz. vol. 137; p. 2155.
- Rust, R. R., Waukegan, Ill. Making zinc chlorid. No. 883,426; Mar. 31; Sp. p. 5884; Dr. p. 1255; Gaz. vol. 133; p. 1086.
- Rustad, T., Cisco, Minn. Stump and brush cutting machine. No. 889,970; June 9; Sp. p. 1541; Dr. p. 348; Gaz. vol. 134; p. 1334.
- Rutsitzka, F., Wels, assignor to Firm of A. Keller, Metallwerke und Munitionsfabrik, Enzesfeld, N. Ost, Enzesfeld, Austria-Hungary. Cartridge-feeding device for machine-guns or the like. No. 891,374; June 23; Sp. p. 4442; Dr. pp. 966-7; Gaz. vol. 134; p. 1859.
- Rutenber, E. A., Logansport, Ind. Photographic-film-developing machine. No. 907,890; Dec. 29; Sp. p. 5485; Gaz. vol. 137; p. 2006.
- Rutenber, M. A., Chicago, Ill. Wantage-gage. No. 896,761; Aug. 25; Sp. p. 3951; Dr. p. 851; Gaz. vol. 135; p. 1609.
- Rütgers, J., deceased, Berlin, Germany; A. Collstrop, Copenhagen, Denmark; F. Noebe and G. Kraemer, Berlin, Germany, executors. Impregnating wood. No. 894,061; July 21; Sp. p. 3522; Gaz. vol. 135; p. 612.
- Rütgers-werke Actiengesellschaft, Firm of. (See Köhler, H., assignor.)
- Ruthenberg, M., Philadelphia, Pa. Electrode. No. 882,169; Mar. 17; Sp. p. 3388; Gaz. vol. 133; p. 612.
- Ruthenberg, M., Philadelphia, Pa. Smelting iron. No. 898,068; Sept. 8; Sp. p. 1714; Gaz. vol. 136; p. 300.
- Ruthenberg, M., Lockport, N. Y. Metal-rolling process and mill. No. 897,931; Sept. 8; Sp. p. 1427; Dr. p. 305; Gaz. vol. 136; p. 256.
- Ruthenberg, M., Lockport, N. Y. Electrolytic apparatus. No. 898,785; Sept. 15; Sp. p. 3092; Dr. p. 662; Gaz. vol. 136; p. 562.
- Ruthenberg, M., New York, N. Y. Magnetic separator. No. 904,280; Nov. 17; Sp. p. 3557; Gaz. vol. 137; p. 139.
- Rutherford, J. H., assignor of one-half to A. W. Whitney, Knoxville, Tenn. Lubricating device. No. 903,786; Nov. 10; Sp. p. 2507; Gaz. vol. 137; p. 438.
- Rutherford, J. H., and W. J. Alford, Knoxville, Tenn. Car-wheel. No. 901,650; Oct. 20; Sp. p. 3308; Dr. p. 680; Gaz. vol. 136; p. 1651.
- Rutherford, J. W. (See Grace, T. J., assignor.)
- Rutherford, M. B. (See Talley, B. F., assignor.)
- Ruthven, A. L., Topeka, Kans. Combination signal and train-stopping apparatus. No. 883,350; Mar. 31; Sp. p. 5694; Dr. p. 1216; Gaz. vol. 133; p. 1060.
- Rutledge, F. M., Nortonville, Kans. Steam-engine valve. No. 896,943; Aug. 25; Sp. p. 4359; Dr. p. 943; Gaz. vol. 135; p. 1671.
- Rutter, J. O. (See Flowers, J. H., assignor.)
- Ruud, E. (See Merk, L. A., assignor.)
- Ruud, E., Pittsburg, Pa. Water-valve for instantaneous water-heaters. No. 879,910; Feb. 25; Sp. p. 4199; Dr. p. 876; Gaz. vol. 132; p. 1615.
- Ruud, E., Pittsburg, Pa. Water-heater. No. 903,007; Nov. 3; Sp. p. 960; Gaz. vol. 137; p. 159.
- Ruud, E., Pittsburg, Pa., and C. Regenbogen, Manchester, England, assignors to Westinghouse Machine Company. Igniter mechanism for internal-combustion engines. No. 888,196; May 19; Sp. p. 3735; Dr. p. 783; Gaz. vol. 134; p. 668.
- Ruwel, W. F. (See Hoffman, G. A., assignor.)
- Ruwel, W. F., Philadelphia, Pa. Bottle-labeling machine. No. 903,322; Nov. 10; Sp. p. 1562; Gaz. vol. 137; p. 289.
- Ryan Car Company. (See Ryan, W. M., assignor.)
- Ryan, E., Clinton, Iowa. Bed-spring support. No. 876,096; Jan. 7; Sp. p. 801; Dr. p. 171; Gaz. vol. 132; p. 136.
- Ryan, E., Chicago, Ill. Slack-adjusting draw-bar. No. 906,563; Dec. 15; Sp. p. 2802; Gaz. vol. 137; p. 1508.
- Ryan, E., and O. Johnson, Chicago, Ill. Locomotive-tender. No. 904,017; Nov. 17; Sp. p. 3004; Gaz. vol. 137; p. 548.
- Ryan, E., South Bend, Ind. Lifting-jack. No. 879,592; Feb. 18; Sp. p. 3513; Dr. p. 735; Gaz. vol. 132; p. 1477.
- Ryan, E. J., Danville, Ill. Heat and pressure regulator. No. 894,062; July 21; Sp. p. 3523; Dr. p. 722; Gaz. vol. 135; p. 612.
- Ryan, J. (See George, A. F., assignor.)
- Ryan, J., Grand Rapids, Mich. Smoke-consumer. No. 896,250; Aug. 18; Sp. p. 2913; Dr. p. 627; Gaz. vol. 135; p. 1423.
- Ryan, J., Columbus, Ohio. Electric-circuit making and breaking device. No. 905,933; Dec. 8; Sp. p. 1618; Gaz. vol. 137; p. 1279.
- Ryan, J. A., Washington, D. C. Ladder for freight-cars. No. 902,331; Oct. 27; Sp. p. 4750; Dr. p. 958; Gaz. vol. 136; p. 1904.
- Ryan, J. B., Hoboken, N. J., assignor to S. A. Farrell, New York, N. Y. Electrically-operated gun control. No. 906,939; Dec. 15; Sp. p. 3521; Gaz. vol. 137; p. 1627.
- Ryan, J. C., Cincinnati, Ohio. Necktie-holder. No. 889,550; June 2; Sp. p. 719; Dr. p. 165; Gaz. vol. 134; p. 1173.
- Ryan, J. H., Dublin, Ireland. Tire of wheels. No. 879,676; Feb. 18; Sp. p. 3684; Dr. p. 770; Gaz. vol. 132; p. 1505.
- Ryan, J. H., New York, N. Y. Plaster-board. No. 897,158; Aug. 25; Sp. p. 4805; Dr. p. 1023; Gaz. vol. 135; p. 1743.
- Ryan, J. J., Memphis, Tenn. Shore-anchor. No. 897,787; Sept. 1; Sp. p. 1103; Dr. p. 237; Gaz. vol. 136; p. 176.
- Ryan, J. P., Rochester, N. Y. Advertising device. No. 906,564; Dec. 15; Sp. p. 2805; Gaz. vol. 137; p. 1509.
- Ryan, M. B., Bridgeport, Conn. Button-fastener. No. 886,731; May 5; Sp. p. 814; Dr. p. 168; Gaz. vol. 134; p. 135.
- Ryan, M. E., Fall River, Mass. Packing material. No. 902,765; Nov. 3; Sp. p. 455; Gaz. vol. 137; p. 79.
- Ryan, M. M., Oberlin, Ohio. Ball-caster. No. 877,236; Jan. 21; Sp. p. 3206; Dr. p. 695; Gaz. vol. 132; p. 589.
- Ryan, P. J., assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 878,240; Feb. 4; Sp. p. 708; Gaz. vol. 132; p. 962.
- Ryan, W. D. (See Barker, I., assignor.)
- Ryan, W. J. (See Tanning and Ryan.)
- Ryan, W. M., assignor to Ryan Car Company, Chicago, Ill. Railway-car. No. 891,375; June 23; Sp. p. 4445; Dr. p. 968; Gaz. vol. 134; p. 1859.
- Ryan, W. S., Viola, Ill. Lamp. No. 887,698; May 12; Sp. p. 2756; Dr. p. 582; Gaz. vol. 134; p. 477.
- Ryberg, C. O., Brockton, Mass. Heel-building machine. No. 891,503; June 23; Sp. p. 4697; Dr. p. 1017; Gaz. vol. 134; p. 1902.
- Ryecraft, E. L., Denver, Colo. Burglar-alarm. No. 903,888; Nov. 17; Sp. p. 2739; Gaz. vol. 137; p. 505.
- Ryderberg, C. O., Göteborg, Sweden. Free-wheel hub for bicycles. No. 882,126; Mar. 17; Sp. p. 3282; Dr. p. 700; Gaz. vol. 133; p. 598.
- Ryder, G. H., Somerville, Mass. Signal apparatus for telephone-switchboards. No. 888,748; May 26; Sp. p. 4854; Dr. p. 1035; Gaz. vol. 134; p. 881.
- Ryder, H., and L. C. Wilson, Newark-on-Trent, England. Composition for purifying air. No. 907,180; Dec. 22; Sp. p. 3980; Gaz. vol. 137; p. 1739.
- Ryerson, E. J., Jackson, Mich. Ornamental fabric and producing the same. No. 898,209; Sept. 8; Sp. p. 2091; Dr. p. 445; Gaz. vol. 136; p. 362.
- Ryerson, E. J., and E. J. Schretter, Jackson, Mich. Resilient arm. No. 884,105; Apr. 7; Sp. p. 883; Dr. p. 186; Gaz. vol. 133; p. 1333.
- Rylin, J. O., Lewistown, Ill. Shock-loader. No. 905,463; Dec. 1; Sp. p. 703; Gaz. vol. 137; p. 1097.
- Rykard, J. W., Abbeville, S. C. Chalk-wearer. No. 894,400; July 28; Sp. p. 4243; Dr. p. 875; Gaz. vol. 135; p. 744.
- Ryon, E. H. (See Jenckes and Ryon.)
- Ryon, E. H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Worm-driving mechanism. No. 879,496; Feb. 18; Sp. p. 3290; Dr. p. 689; Gaz. vol. 132; p. 1446.
- Ryon, E. H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Shedding mechanism for looms. No. 884,613; Apr. 14; Sp. p. 1912; Dr. pp. 410-11; Gaz. vol. 133; p. 1527.
- Ryon, E. H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Narrow-ware loom. No. 884,614; Apr. 14; Sp. p. 1915; Dr. p. 411; Gaz. vol. 133; p. 1528.
- Ryon, E. H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Loom multiplier mechanism. No. 884,862; Apr. 14; Sp. p. 2458; Dr. pp. 517-18; Gaz. vol. 133; p. 1611.
- Ryon, E. H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Reversing mechanism for the take-up mechanism of looms. No. 886,871; May 5; Sp. p. 1076; Dr. p. 226; Gaz. vol. 134; p. 177.
- S. Jarvis Adams Company. (See Fownes and Gardner, assignors.)
- S. Jarvis Adams Company. (See Gardner, R. J., assignor.)

Alphabetical list of patentees—Continued.

- S. Karpen & Bros. (See Karpen, I., assignor.)
 S. A. Woods Machine Company. (See Blood and Osteman.)
 S. F. Bowser & Company. (See Bowser, A. A., assignor.)
 S. R. Dresser Manufacturing Company. (See Clark, J., assignor.)
 S. R. Dresser Manufacturing Company. (See Dresser, S. R., assignor.)
 S. R. Dresser Manufacturing Company. (See Smith, F. N., assignor.)
 S. R. Smythe Company. (See Smythe, H. E., assignor.)
 S. R. Smythe Company. (See Smythe and Shinn, assignors.)
 S. S. Hepworth Company. (See Mackintosh, E. D., assignor.)
 S. S. Wenzell Machine Company. (See Van Leir, H. W., assignor.)
 S. S. White Dental Mfg. Co. (See Hammond and Savin, assignors.)
 Saal, C. L., Jr. (See Groetsch and Saal.)
 Sabathé, L. G., Paris, France. Internal-combustion engine. No. 883,240; Mar. 31; Sp. p. 5483; Dr. p. 1169; Gaz. vol. 133; p. 1025.
 Sabbag, L. G., assignor of two-thirds to T. S. N. Maloof, Boston, Mass. Bottle. No. 890,874; June 16; Sp. p. 3407; Dr. p. 747; Gaz. vol. 134; p. 1663.
 Sabbag, L. G., assignor of two-thirds to T. S. N. Maloof, Boston, Mass. Hat-fastener. No. 906,301; Dec. 8; Sp. p. 2329; Gaz. vol. 137; p. 1400.
 Sabbatani, F., Cairo, Egypt. Trousers. No. 902,688; Nov. 3; Sp. p. 302; Gaz. vol. 137; p. 52.
 Sabin, B. C., Chicago, Ill. Pie-pan. No. 887,852; May 19; Sp. p. 3092; Dr. p. 648; Gaz. vol. 134; p. 558.
 Sabin, G. N., Fordland, Mo. Educational appliance. No. 884,863; Apr. 14; Sp. p. 2462; Dr. p. 518; Gaz. vol. 133; p. 1612.
 Sabin, H. B., Cleveland, Ohio. Display-stand. No. 881,345; Mar. 10; Sp. p. 1694; Dr. p. 366; Gaz. vol. 133; p. 316.
 Sabo, E., Rochester, N. Y. Caster. No. 888,040; May 19; Sp. p. 3449; Dr. p. 724; Gaz. vol. 134; p. 620.
 Sabourin, J., Globe, Ariz. Ter. Fountain-brush. No. 893,379; July 14; Sp. p. 1980; Dr. p. 416; Gaz. vol. 135; p. 357.
 Sabroe, T. T., Copenhagen, Denmark. Photographic-printing apparatus. No. 884,297; Apr. 7; Sp. p. 1269; Dr. p. 268; Gaz. vol. 133; p. 1395.
 Sachs Company. (See Reynolds and Sachs, assignors.)
 Sachs Company. (See Sachs, J., assignor.)
 Sachs, E. (See Straub, J. L., assignor.)
 Sachs, E., Schweinfurt, Germany. Two-speed driving-gear and free-wheel mechanism for cycles. No. 882,845; Mar. 24; Sp. p. 4685; Dr. p. 997; Gaz. vol. 133; p. 866.
 Sachs, E., Schweinfurt, Germany. Wheel-hub with ball-bearings. No. 882,846; Mar. 24; Sp. p. 4689; Dr. p. 997; Gaz. vol. 133; p. 866;
 Sachs, E., Schweinfurt, Germany, assignor of one-half to J. L. Straub, Lancaster, Pa. Retainer for ball-bearings. No. 888,266; May 19; Sp. p. 3867; Dr. p. 813; Gaz. vol. 134; p. 692.
 Sachs, J. (See Reynolds and Sachs.)
 Sachs, J., Hartford, Conn. Power-translating apparatus. No. 894,800; July 28; Sp. p. 5006; Dr. p. 1044; Gaz. vol. 135; p. 874.
 Sachs, J., assignor to Sachs Company, Hartford, Conn. Safety-fuse. No. 897,852; Sept. 1; Sp. p. 1241; Dr. p. 266; Gaz. vol. 136; p. 197.
 Sachse, L., Los Angeles, Cal. Gold-saving apparatus. No. 889,813; June 2; Sp. p. 1210; Dr. p. 279; Gaz. vol. 134; p. 1256.
 Sachse, W. F., Sheboygan, Wis. Horse-collar pad. No. 884,527; Apr. 14; Sp. p. 1737; Dr. p. 372; Gaz. vol. 133; p. 1499.
 Sachsenröder, G. H., Barmen-Unterbarmen, Germany. Dress-preserve or dress-shield. No. 885,530; Apr. 21; Sp. p. 3840; Dr. p. 802; Gaz. vol. 133; p. 1858.
 Sackett Mine Supply Company. (See Finckel, G. M., assignor.)
 Sackman, L. A., New York, N. Y. Doll. No. 882,422; Mar. 17; Sp. p. 3836; Dr. p. 819; Gaz. vol. 133; p. 693.
 Saddle, H. K., assignor of one-half to C. C. Taylor, Oakmont, Pa. Smoking-pipe. No. 879,677; Feb. 18; Sp. p. 3685; Dr. p. 771; Gaz. vol. 132; p. 1505.
 Sadler, C. C., Altoona, Pa. Sand or abrasive paper holder. No. 905,464; Dec. 1; Sp. p. 705; Gaz. vol. 137; p. 1097.
 Sadler, J. F., Los Angeles, Cal. Sample-holder. No. 877,599; Jan. 28; Sp. p. 3935; Dr. p. 851; Gaz. vol. 132; p. 726.
 Sadler, R. E., Cleveland, Ohio. Combined impression-tray and cheek-distender. No. 880,328; Feb. 25; Sp. p. 5018; Dr. p. 1059; Gaz. vol. 132; p. 1752.
 Sadtler, M. D., assignor of one-half to J. B. Forrester, Baltimore, Md. Coin-testing machine. No. 887,049; May 5; Sp. p. 1406; Dr. p. 299; Gaz. vol. 134; p. 234.
 Sadtler, P. B. and S. P., Philadelphia, Pa. Making alkali hydroxids. No. 877,376; Jan. 21; Sp. p. 3468; Gaz. vol. 132; p. 632.
 Sadtler, S. P. (See Sadtler, P. B. and S. P.)
 Saecker, H. G., assignor to Appleton Machine Company, Appleton, Wis. Wood-splitting machine. No. 899,328; Sept. 22; Sp. p. 4124; Dr. p. 882; Gaz. vol. 136; p. 765.
 Saegmuller, G. N., Rochester, N. Y. Mirror for optical instruments and making the same. No. 893,755; July 21; Sp. p. 2878; Dr. p. 591; Gaz. vol. 135; p. 511.
 Saegmuller, G. N., assignor to Bausch, Lomb, Saegmuller Co., Rochester, N. Y. Adjustable vernier. No. 879,008; Feb. 11; Sp. p. 2303; Dr. p. 481; Gaz. vol. 132; p. 1246.
 Saegmuller, G. N., assignor to Bausch, Lomb, Saegmuller Co., Rochester, N. Y. Level. No. 879,122; Feb. 11; Sp. p. 2539; Dr. pp. 527-8; Gaz. vol. 132; p. 1282.
 Saettler, E. C., Giddings, Tex. Sewing-machine table. No. 899,050; May 26; Sp. p. 5482; Dr. p. 1166; Gaz. vol. 134; p. 980.
 Safety Car Heating & Lighting Company. (See Creveling, J. L., assignor.)
 Safety Car Heating & Lighting Company. (See Dixon, R. M., assignor.)
 Safety Car Heating & Lighting Company. (See Hulse, G. E., assignor.)
 Safety Car Heating & Lighting Company. (See Lungren, C. M., assignor.)
 Safety Car Heating & Lighting Company. (See Thomson, W. I., assignor.)
 Safety Car Heating & Lighting Company. (See Towne, J. M., assignor.)
 Safety Door Hanger Co. (See Topping and Plice, assignors.)
 Safford, C. E., Buffalo, N. Y. Radiator. No. 904,729; Nov. 24; Sp. p. 4514; Gaz. vol. 137; p. 816.
 Sage, R. V., Westmont, Pa. End brace for railway-cars. No. 903,408; Nov. 10; Sp. p. 1728; Gaz. vol. 137; p. 316.
 Sage, R. V., Westmont, Pa. Construction of metal cars and flanged bar therefor. No. 907,410; Dec. 22; Sp. p. 4452; Gaz. vol. 137; p. 1818.
 Sage, R. V., Westmont, Pa. Construction of metal cars and flanged bar therefor. No. 907,411; Dec. 22; Sp. p. 4454; Gaz. vol. 137; p. 1819.
 Sager, E. C., Boston, Mass., assignor to Chickering & Sons, New York, N. Y. Device for use in obtaining bridge-bearings in constructing pianos. No. 901,262; Oct. 13; Sp. p. 2450; Dr. p. 503; Gaz. vol. 136; p. 1486.
 Sager, J. H., Rochester, N. Y. Automobile-buffer. No. 885,181; Apr. 21; Sp. p. 3118; Dr. p. 656; Gaz. vol. 133; p. 1744.
 Sager, J. M., Burtlake, Mich. Dust-trap for hot-air furnaces. No. 899,810; Sept. 29; Sp. p. 5112; Dr. p. 1093; Gaz. vol. 136; p. 959.
 Sager, M. L., assignor of one-half to M. P. Clohessy, Braddock, Pa. Metallic tie and rail-fastener. No. 891,010; June 16; Sp. p. 3714; Dr. p. 811; Gaz. vol. 134; p. 1709.
 Sagerdahl, J. A., Youngsville, Pa. Disk shears. No. 895,895; Aug. 11; Sp. p. 2238; Dr. p. 478; Gaz. vol. 135; p. 1286.
 Sague, J. E., and F. J. Cole; said Cole assignor to American Locomotive Company, New York, N. Y. By-pass valve for locomotives. No. 877,868; Jan. 28; Sp. p. 4428; Dr. p. 964; Gaz. vol. 132; p. 811.
 Saguin, J., Council Bluffs, Iowa. Earth-syringe. No. 891,376; June 23; Sp. p. 4446; Dr. p. 968; Gaz. vol. 134; p. 1859.
 Sahlin, J., Stockholm, Sweden. Toothpick-stand. No. 894,702; July 28; Sp. p. 4832; Dr. p. 1004; Gaz. vol. 135; p. 843.
 Sahlin, J., Stockholm, Sweden. Coin-controlled vending apparatus for cigarettes and the like. No. 905,003; Nov. 24; Sp. p. 5088; Gaz. vol. 137; p. 907.
 Sahlin, M., Chicago, Ill. Corset-gore-adjusting device. No. 891,865; June 30; Sp. p. 5469; Dr. p. 1181; Gaz. vol. 134; p. 2054.
 Sahlisten, N., Duluth, Minn. Lock. No. 883,571; Mar. 31; Sp. p. 6176; Dr. p. 1313; Gaz. vol. 133; p. 1131.
 Sahulka, J., Vienna, Austria-Hungary. Electromotor controlling and operating system for electric railways and power plants. No. 890,189; Sept. 22; Sp. p. 3852; Dr. p. 824; Gaz. vol. 136; p. 721.
 Saikow, J. A. (See Hoffer and Saikow.)
 Saile, C. (See Wall and Saile.)
 Saile, C. (See Wall and Saile.) (Reissue.)
 Saint Clair Motor Co. (See Baird, H. D., assignor.)
 Sakamoto, R., Tokyo, Japan. Electrosonator. No. 900,429; Oct. 6; Sp. p. 756; Dr. p. 156; Gaz. vol. 136; p. 1191.
 Saks & Company. (See Fox, R., assignor.)
 Saladin Pneumatic Matting Construction Company. (See Prinz, W. H., assignor.)
 Sale, M. (See O'Connell, J., assignor.)
 Salenius, A. T., Stockholm, Sweden. Spring-bearing. No. 894,063; July 21; Sp. p. 3524; Dr. p. 722; Gaz. vol. 135; p. 613.
 Sales, H. J. D., de Paris, France. Vaporizing-burner. No. 894,064; July 21; Sp. p. 3524; Dr. p. 722; Gaz. vol. 135; p. 613.
 Salfeld, C. D., San Francisco, Cal. Building construction. No. 892,310; June 30; Sp. p. 6323; Dr. p. 1362; Gaz. vol. 134; p. 2200.
 Salinger, F., Des Moines, Iowa. Adding-machine. No. 888,749; May 26; Sp. p. 4857; Dr. pp. 1035-6; Gaz. vol. 134; p. 881.
 Salisbury, A. E., Toledo, Ohio. Alining means. No. 876,097; Jan. 7; Sp. p. 803; Dr. p. 172; Gaz. vol. 132; p. 136.

Alphabetical list of patentees—Continued.

- Salisbury, L. E., Providence, R. I. Means for producing selvage in loom-woven fabrics. No. 876,494; Jan. 14; Sp. p. 1634; Dr. p. 354; Gaz. vol. 132; p. 298.
- Salisbury, L. E., Providence, R. I. Harness-motion device for looms. No. 889,971; June 9; Sp. p. 1544; Dr. p. 348; Gaz. vol. 134; p. 1334.
- Salkeld, J. E., Dunlo, Pa. Rail-joint. No. 906,302; Dec. 8; Sp. p. 2331; Gaz. vol. 137; p. 1400.
- Sallee, F., Kildare, Okla. Railway-switch. No. 898,687; Sept. 15; Sp. p. 2918; Dr. p. 625; Gaz. vol. 136; p. 530.
- Salmon, C., and H. J. Creffield, Erith, assignors to Vickers Sons & Maxim Limited, Westminster, England. Electrical apparatus for transmitting signals. No. 896,584; Aug. 18; Sp. p. 3588; Dr. p. 772; Gaz. vol. 135; p. 1538.
- Salmon, F. W., Burlington, Iowa. Governor. No. 887,853; May 19; Sp. p. 3093; Dr. p. 649; Gaz. vol. 134; p. 558.
- Salmon, H., Cassopolis, Mich. Heating system. No. 899,078; Sept. 22; Sp. p. 3624; Dr. p. 776; Gaz. vol. 136; p. 684.
- Salmon, W. W., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Railway signaling system. No. 880,329; Feb. 25; Sp. p. 5020; Dr. p. 1059; Gaz. vol. 132; p. 1752.
- Salmons, J. W., Philadelphia, Pa. Water-tank for poultry-shipping coops. No. 885,531; Apr. 21; Sp. p. 3841; Dr. p. 803; Gaz. vol. 133; p. 1858.
- Salo, J. B., New York, N. Y. Sculptor's reproducing-machine. No. 888,041; May 19; Sp. p. 3450; Dr. p. 724; Gaz. vol. 134; p. 620.
- Salokar, A. W., New Brighton, Minn. Fly-escape. No. 904,090; Nov. 17; Sp. p. 3155; Gaz. vol. 137; p. 572.
- Salomon, J. (See De Clements, G. W., assignor.)
- Salomon, J., Chicago, Ill. Chair-back adjustment. No. 901,559; Oct. 20; Sp. p. 3134; Dr. p. 640; Gaz. vol. 136; p. 1623.
- Salomon, J., and M. Lachman, New York, N. Y.; said Lachman assignor to said Salomon. Seat. No. 905,236; Dec. 1; Sp. p. 230; Gaz. vol. 137; p. 1022.
- Saloman, S., Washington, D. C. Shaving-brush. No. 882,423; Mar. 17; Sp. p. 3836; Dr. p. 819; Gaz. vol. 133; p. 693.
- Saltersaure-Industrie-Gesellschaft, Ges. M. B. H., Firm of. (See Pauling, H., assignor.)
- Salt, E. J., Darlington, and C. L. Herb, Millvale, Pa. Stuffing-box. No. 884,864; Apr. 14; Sp. p. 2463; Dr. p. 518; Gaz. vol. 133; p. 1612.
- Salter, C. F., Knoxville, assignor of one-half to H. C. Helm, Harriman, Tenn. Grate for open fireplaces. No. 884,615; Apr. 14; Sp. p. 1917; Dr. pp. 411-12; Gaz. vol. 133; p. 1528.
- Salter, J. (See McDonald and Salter.)
- Salter, W. A., Cedar Point, Kans. Two-cycle gas-engine. No. 876,020; Jan. 7; Sp. p. 649; Dr. p. 139; Gaz. vol. 132; p. 112.
- Salter, W. A., Cedar Point, Kans. Speed changing and reversing gearing. No. 888,750; May 26; Sp. p. 4863; Dr. pp. 1036-7; Gaz. vol. 134; p. 882.
- Saltonstall, N., Battle Creek, Mich. Mail-box. No. 877,952; Feb. 4; Sp. p. 111; Dr. p. 26; Gaz. vol. 132; p. 868.
- Salt's Textile Manufacturing Company. (See Cutting, S. B., assignor.)
- Salts Textile Manufacturing Company. (See Horsfal, H., assignor.)
- Salt's Textile Manufacturing Company. (See Steiner, R. J., assignor.)
- Saltsman, A. J., assignor to R. B. Saltsman, Chicago, Ill. Cake-mixer and egg-beater. No. 900,210; Oct. 6; Sp. p. 291; Dr. p. 59; Gaz. vol. 136; p. 1119.
- Saltsman, R. B. (See Saltsman, A. J., assignor.)
- Saltsman, J. (See Replogle, J. B., assignor.)
- Salviati, B. von, Dusseldorf, Germany. Shoe-cleaning apparatus. No. 902,254; Oct. 27; Sp. p. 4560; Dr. p. 926; Gaz. vol. 136; p. 1877.
- Salviola, C. J., New York, N. Y., assignor to R. Neumann Hardware Co. Trunk-lock. No. 887,430; May 12; Sp. p. 2248; Dr. p. 471; Gaz. vol. 134; p. 389.
- Salzer, E., Laporte, Ind. Cigar-cutter and match-deliverer. No. 902,170; Oct. 27; Sp. p. 4391; Dr. p. 889; Gaz. vol. 136; p. 1851.
- Salzer, E., Laporte, Ind. Cigar-cutter. No. 902,171; Oct. 27; Sp. p. 4393; Dr. p. 889; Gaz. vol. 136; p. 1851.
- Salzer, F., Dresden, Germany. Producing an electrolytic deposit of metallic chromium. No. 900,597; Oct. 6; Sp. p. 1119; Gaz. vol. 136; p. 1245.
- Salzer, R., Philadelphia, Pa., assignor to D'Olier Engineering Company. Centrifugal pump. No. 885,867; Apr. 28; Sp. p. 4522; Dr. p. 949; Gaz. vol. 133; p. 1995.
- Salzer, R., Trenton, N. J., assignor to De Laval Steam Turbine Company. Centrifugal pump. No. 896,585; Aug. 18; Sp. p. 3595; Dr. p. 773; Gaz. vol. 135; p. 1531.
- Samaha, M., Washington, D. C. Submarine viewing apparatus. No. 885,087; Apr. 21; Sp. p. 2893; Dr. p. 614; Gaz. vol. 133; p. 1713.
- Samberson, A. W., Belmont, W. Va. Rail-joint. No. 904,364; Nov. 17; Sp. p. 3750; Gaz. vol. 137; p. 667.
- Samet, H., assignor to L. Oppenheimer's Sons, Philadelphia, Pa. Box. No. 875,741; Jan. 7; Sp. p. 125; Dr. p. 28; Gaz. vol. 132; p. 25.
- Sammons, T. A., Dayton, Ohio. Gas-engine. No. 881,623; Mar. 10; Sp. p. 2259; Dr. pp. 490-1; Gaz. vol. 133; p. 407.
- Sampere, J., New York, N. Y., assignor to Regina Company, Rahway, N. J. Door for automatic pianos. No. 898,688; Sept. 15; Sp. p. 2919; Dr. p. 625; Gaz. vol. 136; p. 531.
- Sampere, J., New York, N. Y., assignor to Regina Company, Rahway, N. J. Pedal for automatically-operated pianos. No. 901,125; Oct. 13; Sp. p. 2207; Dr. p. 449; Gaz. vol. 136; p. 1443.
- Sampere, J., New York, N. Y., assignor to Regina Company, Rahway, N. J. Tempo-regulating device for mechanical musical instruments. No. 906,743; Dec. 15; Sp. p. 3145; Gaz. vol. 137; p. 1565.
- Sample, J. A., Rankin, Pa. Draft-gear for car-couplings. No. 879,911; Feb. 25; Sp. p. 4200; Dr. p. 877; Gaz. vol. 132; p. 1616.
- Sampson, E. E., London Mills, Ill. Railway-gate. No. 900,125; Oct. 6; Sp. p. 116; Dr. pp. 24-5; Gaz. vol. 136; p. 1091.
- Sampson, E. F., Plymouth, Mass. Spraying apparatus. No. 895,795; Aug. 11; Sp. p. 2049; Dr. p. 435; Gaz. vol. 135; p. 1254.
- Sampson, E. G. (See Ripson and Sampson.)
- Sampson, R., Montreal, Quebec, Canada. Tire-plug. No. 897,932; Sept. 8; Sp. p. 1429; Dr. p. 305; Gaz. vol. 136; p. 256.
- Sampson, R. and R. W., Montreal, Quebec, Canada. Lather-rubber. No. 904,650; Nov. 24; Sp. p. 4349; Gaz. vol. 137; p. 700.
- Sampson, R. W. (See Sampson, R. and R. W.)
- Sampson, S. O., Pittsburg, Pa. Reel and drum. No. 904,365; Nov. 17; Sp. p. 3750; Gaz. vol. 137; p. 667.
- Sams, F. S., New Smyrna, Fla. Trolling-spoon. No. 888,935; May 26; Sp. p. 5277; Dr. p. 1119; Gaz. vol. 134; p. 944.
- Samsó, G., New York, N. Y. Dish-drainer. No. 878,315; Feb. 4; Sp. p. 864; Dr. p. 172; Gaz. vol. 132; p. 987.
- Samson Cordage Works. (See Lundgren, J., assignor.)
- Samson Cordage Works. (See Tolman and Pratt, assignors.)
- Samson Manufacturing Company. (See Eggers, H., assignor.)
- Samuel Cupples Envelope Company. (See Kienast, T. W., assignor.)
- Samuel Cupples Envelope Company *et al.* (See West, J., assignor.)
- Samuel, H. S., Perth, Scotland. Wind-shield or weather-screen for motor and similar vehicles. No. 879,195; Feb. 18; Sp. p. 2682; Dr. pp. 559-60; Gaz. vol. 132; p. 1347.
- Samuel, H. S., Paisley, Scotland. Awning and dust-screen for vehicles. No. 890,875; June 16; Sp. p. 3409; Dr. p. 747; Gaz. vol. 134; p. 1663.
- Samuel, M., Newark, N. J. Packing and wiping waste. No. 888,042; May 19; Sp. p. 3458; Dr. p. 725; Gaz. vol. 134; p. 620.
- Samuel, M., New York, N. Y. Talking-machine. No. 895,046; Aug. 4; Sp. p. 547; Dr. p. 112; Gaz. vol. 135; p. 984.
- Samuelson, E. H., Boone, Iowa. Adjustable scaffold. No. 878,674; Feb. 11; Sp. p. 1669; Dr. p. 343; Gaz. vol. 132; p. 1141.
- Samuelson, F., Rugby, England, assignor to General Electric Company. System of forced lubrication. No. 891,377; June 23; Sp. p. 4447; Dr. p. 968; Gaz. vol. 134; p. 1860.
- Samways, W. J. (See Loveless and Samways.)
- Sanctuary, E. N., *et al.* (See Smith, P. S., assignor.)
- Sandahl, V., assignor to L. W. Beecher, New Haven, Conn. Machine for attaching heels to boots and shoes. No. 878,675; Feb. 11; Sp. p. 1670; Dr. pp. 344-5; Gaz. vol. 132; p. 1141.
- Sandberg, V., assignor of one-half to A. J. Clayton, New York, N. Y. Non-refillable bottle. No. 893,380; July 14; Sp. p. 1982; Dr. p. 416; Gaz. vol. 135; p. 357.
- Sandborgh, O. A. (See Cooper and Sandborgh.)
- Sandell, H. J., Minneapolis, Minn. Tap and bush for beer-kegs. No. 879,983; Feb. 25; Sp. p. 4331; Dr. p. 906; Gaz. vol. 132; p. 1638.
- Sandell, H. K., assignor to H. S. Mills, Chicago, Ill. Film-winder for moving-picture machines. No. 887,431; May 12; Sp. p. 2252; Dr. p. 472; Gaz. vol. 134; p. 389.
- Sandell, H. K., assignor to H. S. Mills, Chicago, Ill. Moving-picture machine. No. 890,936; June 16; Sp. p. 3551; Dr. pp. 774-6; Gaz. vol. 134; p. 1684.
- Sandell, H. K., assignor to H. S. Mills, Chicago, Ill. Sheet-perforating machine. No. 907,530; Dec. 22; Sp. p. 4696; Gaz. vol. 137; p. 1858.
- Sandell, H. K., assignor to Mills Novelty Company, Chicago, Ill. Perforated music-sheet. No. 897,021; Aug. 25; Sp. p. 4542; Dr. pp. 970-1; Gaz. vol. 135; p. 1698.
- Sandell, H. K., assignor to Mills Novelty Company, Chicago, Ill. Slot-protector for slug-operated machines. No. 907,531; Dec. 22; Sp. p. 4700; Gaz. vol. 137; p. 1858.
- Sander, C., assignor to Actual Knitting Mills, Philadelphia, Pa. Guide for knitted fabrics. No. 896,046; Aug. 11; Sp. p. 2536; Dr. p. 549; Gaz. vol. 135; p. 1335.
- Sander, F. W., assignor of one-half to J. C. Bushby, New York, N. Y. Leader-pipe protector for buildings. No. 877,456; Jan. 21; Sp. p. 3619; Dr. p. 784; Gaz. vol. 132; p. 658.

Alphabetical list of patentees—Continued.

- Sanders, A. S. E., assignor to Springfield Seed Company, Springfield, Mo. Dispensing-receptacle. No. 907,291; Dec. 22; Sp. p. 4236; Gaz. vol. 137; p. 1779.
- Sanders, C. H. (See Bowman, G. W., assignor.)
- Sanders, E. A., Oakland, Cal. Sheet-metal window construction. No. 888,657; May 26; Sp. p. 4686; Dr. pp. 995-6; Gaz. vol. 134; p. 853.
- Sanders, E. A., Oakland, Cal. Metal window-sash. No. 897,414; Sept. 1; Sp. p. 362; Dr. p. 76; Gaz. vol. 136; p. 56.
- Sanders, F., McKeesport, Pa. Molding-machine for cutting panels. No. 883,148; Mar. 24; Sp. p. 5283; Dr. p. 1126; Gaz. vol. 133; p. 965.
- Sanders, F. B., Newton Junction, Conn. Spring-clip. No. 890,531; June 9; Sp. p. 2677; Dr. p. 590; Gaz. vol. 134; p. 1517.
- Sanders, G., Paterson, N. J. Preparing water used in dyeing textile fibers. No. 894,234; July 28; Sp. p. 3887; Gaz. vol. 135; p. 689.
- Sanders, J., Dundee, Tex. Threshing-machine. No. 886,872; May 5; Sp. p. 1079; Dr. p. 226; Gaz. vol. 134; p. 177.
- Sanders, J. C. (See Kirk, W. R., assignor.)
- Sanders, J. L., Carolina, R. I. Attachment for heating-stoves. No. 907,292; Dec. 22; Sp. p. 4239; Gaz. vol. 137; p. 1780.
- Sanders, L. D. (See Pickett and Sanders.)
- Sandara, T., Canton, Ohio. Power-transmission mechanism. No. 891,636; June 23; Sp. p. 4985; Dr. p. 1075; Gaz. vol. 134; p. 1945.
- Sanders, W. F., Trenton, Mich. Postal folder. No. 889,404; June 2; Sp. p. 433; Dr. p. 103; Gaz. vol. 134; p. 1126.
- Sanderson, F. S., Queenstown, Tasmania, assignor to Mount Lyell Mining and Railway Company Limited, Melbourne, Australia. Mechanical ore-feeder for blast-furnaces. No. 879,839; Feb. 18; Sp. p. 4001; Dr. pp. 837-8; Gaz. vol. 132; p. 1558.
- Sanderson & Porter. (See Boyle, J. M., assignor.)
- Sanderson, R. E. B. (See Junius, G. E., assignor.)
- Sanderson, W. E., Zanesville, Ohio. Tonga-carrier. No. 876,661; Jan. 14; Sp. p. 2018; Dr. p. 440; Gaz. vol. 132; p. 358.
- Sandler, J., assignor, by mesne assignments, to J. L. Hinckley, Boston, Mass., and C. D. Krumscheid, New York, N. Y. Instep support or arch. No. 888,936; May 26; Sp. p. 5279; Dr. p. 1120; Gaz. vol. 134; p. 944.
- Sandlin, W. C., Andrews, N. C., assignor of two-thirds to A. Moulton and C. W. Savage. Insulator. No. 891,955; June 30; Sp. p. 5662; Dr. p. 1219; Gaz. vol. 134; p. 2085.
- Sandner, E., Cambridge, Mass. Piano-action-supporting means. No. 896,066; Aug. 11; Sp. p. 2574; Dr. p. 557; Gaz. vol. 135; p. 1341.
- Sandoz, H., Tarannes, Switzerland. Winding and setting mechanism for watches. No. 883,427; Mar. 31; Sp. p. 5886; Dr. p. 1255; Gaz. vol. 133; p. 1086.
- Sandretto, D., Ladd, Ill. Electrically-operated clock. No. 886,157; Apr. 28; Sp. p. 5120; Dr. p. 1076; Gaz. vol. 133; p. 2090.
- Sandretto, D., Ladd, Ill. Make-and-break device. No. 896,586; Aug. 13; Sp. p. 3597; Dr. p. 773; Gaz. vol. 135; p. 1532.
- Sandrik, J. C., South Bethlehem, Pa. Air-ship. No. 888,267; May 19; Sp. p. 3868; Dr. pp. 813-14; Gaz. vol. 134; p. 693.
- Sandrock, J. F. (See O'Dell, Noble, and Sandrock.)
- Sands, A. P., Maryville, and W. Palecek and L. Williams, Collinsville, Ill. Mining apparatus. No. 896,467; Aug. 18; Sp. p. 3360; Dr. p. 724; Gaz. vol. 135; p. 1493.
- Sands, C. E., Palatka, Fla. Can-opener. No. 903,008; Nov. 3; Sp. p. 964; Gaz. vol. 137; p. 159.
- Sands, E. L., Webb City, Mo. Pen and pencil holder. No. 884,865; Apr. 14; Sp. p. 2464; Dr. p. 519; Gaz. vol. 133; p. 1612.
- Sands, L. (See Kirby, J. B., assignor.)
- Sands, W., *et al.* (See Miller, E., assignor.)
- Sandstrom, A., assignor to J. F. Bush, Chicago, Ill. Electric pick mining-machine. No. 903,508; Nov. 10; Sp. p. 1951; Gaz. vol. 137; p. 351.
- Sandström, K. O., Karlskrona, assignor to E. Nilsson, Husqvarna, Sweden. Tube-cleaner. No. 901,483; Oct. 20; Sp. p. 2986; Dr. p. 608; Gaz. vol. 136; p. 1599.
- Sandström, K. O., Karlskrona, assignor to E. Nilsson, Husqvarna, Sweden. Tube-scraper. No. 901,484; Oct. 20; Sp. p. 2987; Dr. p. 608; Gaz. vol. 136; p. 1590.
- Sandstrom, T., Indianapolis, Ind. Short-turning gear. No. 883,488; Mar. 31; Sp. p. 6011; Dr. p. 1284; Gaz. vol. 133; p. 1107.
- Sandusky Foundry & Machine Company. (See Robbins, A. L., assignor.)
- Sandusky, H. C., Newcastle, Ind. Rail-joint. No. 899,190; Sept. 22; Sp. p. 3855; Dr. p. 824; Gaz. vol. 136; p. 722.
- Sandvoss, H., Neuss, Germany. Regulator for liquids, &c. No. 881,491; Mar. 10; Sp. p. 1996; Dr. p. 435; Gaz. vol. 133; p. 362.
- Sanfason, J., Medford, N. D. Safety-pocket. No. 904,565; Nov. 24; Sp. p. 4181; Gaz. vol. 137; p. 761.
- Sanford, A. N., Wapato, Wash. Umbrella. No. 879,678; Feb. 18; Sp. p. 3687; Dr. p. 771; Gaz. vol. 132; p. 1505.
- Sanford, D. B., Watertown, N. Y. Handle for bottle-stoppers. No. 875,956; Jan. 7; Sp. p. 524; Dr. p. 112; Gaz. vol. 132; p. 92.
- Sanford, E. F., Merced, Cal. Fire-fighting apparatus. No. 881,872; Mar. 10; Sp. p. 2756; Dr. pp. 590-1; Gaz. vol. 133; p. 487.
- Sanford, E. F., Merced, Cal. Fire-fighting apparatus. No. 881,873; Mar. 10; Sp. p. 2758; Dr. pp. 591-2; Gaz. vol. 133; p. 487.
- Sanford, F. B., North Yakima, Wash. Amalgamator. No. 887,699; May 12; Sp. p. 2757; Dr. p. 582; Gaz. vol. 134; p. 477.
- Sanford, F. C., Hartford, assignor to Whitlock Coil Pipe Company, West Hartford, Conn. Metallic shell. No. 894,288; July 28; Sp. p. 4013; Dr. p. 829; Gaz. vol. 135; p. 707.
- Sanford, F. W., Schenectady, N. Y., assignor to General Electric Company. Flush receptacle and plug. No. 894,703; July 28; Sp. p. 4833; Dr. p. 1005; Gaz. vol. 135; p. 843.
- Sanford, F. W., Schenectady, N. Y., assignor to General Electric Company. Two-button switch. No. 900,786; Oct. 13; Sp. p. 1527; Dr. p. 310; Gaz. vol. 136; p. 1334.
- Sanford, P. P., Bratenahl village, Ohio. Fountain-pen. No. 879,912; Feb. 25; Sp. p. 4201; Dr. p. 877; Gaz. vol. 132; p. 1616.
- Sanford, R. G., Yonkers, N. Y. Pipe-fishing tool. No. 880,404; Feb. 25; Sp. p. 5180; Dr. p. 1092; Gaz. vol. 132; p. 1777.
- Sang, A., Sewickley, Pa. Coating metals. No. 881,029; Mar. 3; Sp. p. 1078; Dr. p. 234; Gaz. vol. 133; p. 184.
- Sangamo Electric Company. (See Hodde, J. H., assignor.)
- Sangree, J. H., Glenshaw, Pa. Hot-air furnace. No. 904,230; Nov. 17; Sp. p. 3472; Gaz. vol. 137; p. 623.
- Sangstad, O., Plainfield, N. J., assignor to Davis & Roesch Temperature Controlling Company, New York, N. Y. Thermostat. No. 875,957; Jan. 7; Sp. p. 526; Dr. p. 112; Gaz. vol. 132; p. 92.
- Sanitary Burial Casket Company. (See Seidel, A. S., assignor.)
- Sanitary Devices Manufacturing Company. (See Lotz, A., assignor.)
- Sanitary Envelope Sealer Company. (See Stassart, L. O., assignor.)
- Sanitary Hair Goods Co. (See Stephens, B. E., assignor.)
- Sanitary Hot Water Radiator Co. (See Wheelock, C. M., assignor.)
- Sanitary Manufacturing Company. (See Davis, J. H., assignor.)
- Sanitary Sectional Brush Company. (See Buch and Steinbach, assignors.)
- Sanitary Steel Couch Company. (See Grotenhuis, W. J., assignor.)
- Sanitary Street Cleansing & Sprinkling Machine Company. (See Murphy, T. M., assignor.)
- Sanitary Water-Still Company. (See Bailey, A. R., assignor.)
- Sans, H., Molenbeek, near Brussels, Belgium. Shock-weakening device for vehicles. No. 886,643; May 5; Sp. p. 593; Dr. pp. 123-4; Gaz. vol. 134; p. 104.
- Santa, G., San Francisco, Cal. Mining-machine. No. 897,415; Sept. 1; Sp. p. 364; Dr. p. 76; Gaz. vol. 136; p. 56.
- Santa, G. A., Virginia, Minn. Splice-bar. No. 886,158; Apr. 28; Sp. p. 5122; Dr. p. 1076; Gaz. vol. 133; p. 2091.
- Santino, S., Chicago, Ill. Razor-hone. No. 896,667; Aug. 18; Sp. p. 3734; Dr. pp. 804-5; Gaz. vol. 135; p. 1555.
- Santmier, D. N., Buffalo, N. Y. Tree-transplanter. No. 903,787; Nov. 10; Sp. p. 2509; Gaz. vol. 137; p. 438.
- Santoski, F., Stevens Point, Wis. Illuminated oven for stoves. No. 900,211; Oct. 6; Sp. p. 292; Dr. p. 59; Gaz. vol. 136; p. 1120.
- Santware, F. (See O'Neill, C., assignor.)
- Sappenfield, E. E., Waveland, Ind. Train-order-delivery apparatus. No. 895,307; Aug. 4; Sp. p. 1085; Dr. p. 227; Gaz. vol. 135; p. 1072.
- Sappenfield, J. T., Milan, Kans. Rack for holding rolls of wire fabrics. No. 896,251; Aug. 18; Sp. p. 2915; Dr. p. 627-8; Gaz. vol. 135; p. 1424.
- Sapper, C. H., Highlands, N. J., assignor of one-tenth to M. A. Rice, New York, N. Y. Jumping-rope handle. No. 906,303; Dec. 8; Sp. p. 2332; Gaz. vol. 137; p. 1400.
- Sarafian, H., Yonkers, N. Y. Woven fabric. No. 906,463; Dec. 8; Sp. p. 2613; Gaz. vol. 137; p. 1450.
- Sarason, L., Hirschgarten, near Berlin, Germany. Process of and apparatus for preparing effervescent baths. No. 879,326; Feb. 18; Sp. p. 2933; Dr. p. 612; Gaz. vol. 132; p. 1391.
- Sargeant, E. F., Stroud, England. Manufacture of leather belting and machinery therefor. No. 884,528; Apr. 14; Sp. p. 1738; Dr. pp. 373-5; Gaz. vol. 133; p. 1499.
- Sargent, A., New York, N. Y. Plastic. No. 882,538; Mar. 17; Sp. p. 4068; Gaz. vol. 133; p. 733.
- Sargent, A., New York, N. Y. Humidor. No. 907,412; Dec. 22; Sp. p. 4455; Gaz. vol. 137; p. 1819.
- Sargent, C. E., Chicago, Ill. Steam-meter. No. 883,670; Mar. 31; Sp. p. 6370; Dr. pp. 1358-9; Gaz. vol. 133; p. 1162.
- Sargent, C. E., assignor to Sargent Steam Meter Company, Chicago, Ill. Steam-meter. No. 886,255; Apr. 28; Sp. p. 5290; Dr. pp. 1114-15; Gaz. vol. 133; p. 2123.
- Sargent & Company. (See Broderick, D. F., assignor.)
- Sargent & Company. (See Carroll, W. J., assignor.)
- Sargent & Company. (See Collins, H. G., assignor.)
- Sargent & Company. (See Shaw, J. H., assignor.)

Alphabetical list of patentees—Continued.

- Sargent & Company. (See Sparks, O. F., assignor.)
 Sargent & Company. (See Sparks, W. E., assignor.)
 Sargent, E. C., Fargo, N. D. Building. No. 885,088; Apr. 21; Sp. p. 2897; Dr. p. 614; Gaz. vol. 133; p. 1714.
 Sargent, F. G., Westford, Mass. Wireless receiving instrument. No. 883,241; Mar. 31; Sp. p. 5485; Dr. p. 1170; Gaz. vol. 133; p. 1026.
 Sargent, F. G., assignor to C. G. Sargent's Sons Corporation, Westford, Mass. Wool-washing bowl. No. 879,196; Feb. 18; Sp. p. 2684; Dr. p. 560; Gaz. vol. 132; p. 1348.
 Sargent, F. G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Attachment for feeders for fibrous material. No. 885,381; Apr. 21; Sp. p. 3547; Dr. p. 741; Gaz. vol. 133; p. 1813.
 Sargent, F. G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Drier. No. 901,191; Oct. 13; Sp. p. 2319; Dr. p. 475; Gaz. vol. 136; p. 1465.
 Sargent, F. G., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Wool-washing machine. No. 889,157; May 26; Sp. p. 5723; Dr. pp. 1211-12; Gaz. vol. 134; p. 1014.
 Sargent, F. W., Mahwah, N. J., assignor to E. H. Fallows, New York, N. Y. Brake-shoe. No. 888,751; May 26; Sp. p. 4865; Dr. p. 1037; Gaz. vol. 134; p. 882.
 Sargent, F. W., Mahwah, N. J., assignor to E. H. Fallows, New York, N. Y. Back for brake-shoes. No. 907,892; Dec. 29; Sp. p. 5493; Gaz. vol. 137; p. 2007.
 Sargent, G. H., Flushing, N. Y. Car-replacer. No. 886,644; May 5; Sp. p. 594; Dr. p. 124; Gaz. vol. 134; p. 104.
 Sargent, H. D., Worcester, Mass. Wrench. No. 881,346; Mar. 10; Sp. p. 1695; Dr. p. 366; Gaz. vol. 133; p. 316.
 Sargent, H. D., Worcester, Mass. Buckle. No. 885,382; Apr. 21; Sp. p. 3549; Dr. p. 742; Gaz. vol. 133; p. 1813.
 Sargent, H. D., assignor to Spencer Wire Company, Worcester, Mass. Garment-supporting loop. No. 907,893; Dec. 29; Sp. p. 5494; Gaz. vol. 137; p. 2007.
 Sargent, H. R., Schenectady, N. Y., assignor to General Electric Company. Series-multiple switch. No. 887,527; May 12; Sp. p. 2448; Dr. p. 516; Gaz. vol. 134; p. 421.
 Sargent, H. R., Schenectady, N. Y., assignor to General Electric Company. Combined fuse box and receptacle. No. 894,704; July 28; Sp. p. 4835; Dr. p. 1005; Gaz. vol. 135; p. 843.
 Sargent, H. R., Schenectady, N. Y., assignor to General Electric Company. Branch block. No. 894,783; July 28; Sp. p. 4980; Dr. p. 1039; Gaz. vol. 135; p. 868.
 Sargent Steam Meter Company. (See Sargent, C. E., assignor.)
 Sari, F. R., *et al.* (See Rosati, T., assignor.)
 Sarkeys, S. J. (See Leslie, B. J., assignor.)
 Sarkisian, D. M., Malden, Mass. Sash-curtain frame. No. 904,091; Nov. 17; Sp. p. 3156; Gaz. vol. 137; p. 572.
 Sarvalla, M., and W. W. Smith, De Kalb, Ill. Jar-opener. No. 899,683; Sept. 29; Sp. p. 4830; Dr. p. 1034; Gaz. vol. 136; p. 916.
 Sarvent, J. G., Chicago, Ill. Car-truck. No. 902,172; Oct. 27; Sp. p. 4395; Dr. pp. 890-1; Gaz. vol. 136; p. 1851.
 Saska, H., North Braddock, Pa. Wrench. No. 880,330; Feb. 25; Sp. p. 5024; Dr. p. 1060; Gaz. vol. 132; p. 1752.
 Sass, C. H., Philadelphia, Pa. Fireman's hat. No. 908,145; Dec. 29; Sp. p. 6013; Gaz. vol. 137; p. 2090.
 Sass, F. A., Chicago, Ill. Device for embossing and cutting wooden boards in strips. No. 894,466; July 28; Sp. p. 4373; Dr. p. 902; Gaz. vol. 135; p. 766.
 Sassaman, A. H., assignor of three-fourths to A. O. Meyer, G. W. and W. F. Koerner, New York, N. Y. Journal-bearing. No. 884,866; Apr. 14; Sp. p. 2465; Dr. p. 519; Gaz. vol. 133; p. 1613.
 Sasso, P., and J. P. Farugia, Alexandria, Egypt. Water-heater. No. 904,366; Nov. 17; Sp. p. 3751; Gaz. vol. 137; p. 667.
 Satter, F. A., assignor to Pritchard-Strong Company, Rochester, N. Y. Lantern. No. 894,235; July 28; Sp. p. 3888; Dr. p. 803; Gaz. vol. 135; p. 689.
 Satterlee, W. J., Fairfield, Conn. Extensible photograph-holder. No. 893,659; July 21; Sp. p. 2608; Dr. p. 544; Gaz. vol. 135; p. 479.
 Sattler, C., Steglitz, near Berlin, Germany. Machine for nailing the uppers of shoes to soles of wood, &c. No. 892,010; June 30; Sp. p. 5754; Gaz. vol. 134; p. 2101.
 Sattler, C., Steglitz, near Berlin, Germany. Automatic nailing device for nailing-machines. No. 901,192; Oct. 13; Sp. p. 2321; Dr. p. 476; Gaz. vol. 136; p. 1465.
 Sattley Stacker Company. (See Hill and Brower, assignors.) (Reissue.)
 Sauber, H. W., Lemont, Ill. Adjustable boat-landing. No. 907,645; Dec. 22; Sp. p. 4969; Gaz. vol. 137; p. 1895.
 Saucier, J. E., Montreal, Quebec, Canada. Trolley. No. 877,953; Feb. 4; Sp. p. 113; Dr. p. 26; Gaz. vol. 132; p. 868.
 Saucier, J. E., Montreal, Quebec, Canada. Trolley-guard. No. 886,645; May 5; Sp. p. 598; Dr. p. 124; Gaz. vol. 134; p. 104.
 Sauer, A., Pittsburg, Pa. Rotary motor. No. 887,700; May 12; Sp. p. 2758; Dr. p. 583; Gaz. vol. 134; p. 477.
 Sauer, F. G., Berlin, assignor to P. Höpfner, Schöneberg-Berlin, Germany. Producing vinaceous beverages from pure hemoglobin and fermentable sugar. No. 878,900; Feb. 11; Sp. p. 2107; Gaz. vol. 132; p. 1213.
 Sauer, J. P., Wheaton, Ill. Electrical signaling system. No. 904,018; Nov. 17; Sp. p. 3006; Gaz. vol. 137; p. 548.
 Sauerburger, E., Pittsburg, Pa. Curtain-pole. No. 880,244; Feb. 25; Sp. p. 4862; Dr. p. 1029; Gaz. vol. 132; p. 1725.
 Sauers, J. (See Dingman, A. H., assignor.)
 Sauerstoff- und Stickstoff-Industrie Hansmann & Co. (See Unruh, M. C., von, assignor.)
 Saugstad, O., Plainfield, N. J., assignor, by mesne assignments, to H. & M. Automatic Regulator Company. Regulator. No. 896,587; Aug. 18; Sp. p. 3599; Dr. p. 773; Gaz. vol. 135; p. 1532.
 Saugstad, O., Plainfield, N. J., assignor to H. & M. Automatic Regulator Company. Regulator. No. 896,588; Aug. 18; Sp. p. 3600; Dr. p. 773; Gaz. vol. 135; p. 1532.
 Saul, E., Frankfurt-on-the-Main, Germany, assignor to Cassella Color Company, New York, N. Y. Yellow-olive dye and making same. No. 904,809; Nov. 24; Sp. p. 4694; Gaz. vol. 137; p. 843.
 Sauld, E. (See Pecor, F. F., assignor.)
 Saulesberry, J., East Peoria, Ill. Automatic mail-delivery apparatus. No. 903,009; Nov. 3; Sp. p. 964; Gaz. vol. 137; p. 159.
 Saunders, C. R., and A. B. Breitweg, Cleveland, Ohio. Guard for tires. No. 906,304; Dec. 8; Sp. p. 2333; Gaz. vol. 137; p. 1401.
 Saunders, D. H., Gloucester, Mass. Net. No. 904,899; Nov. 24; Sp. p. 4887; Gaz. vol. 137; p. 872.
 Saunders, D. R., Columbus, Miss. Handle for baskets or the like. No. 890,305; June 9; Sp. p. 2261; Dr. p. 498; Gaz. vol. 134; p. 1446.
 Saunders, D. R., Columbus, Miss. Car-bumper. No. 893,381; July 14; Sp. p. 1983; Dr. p. 416; Gaz. vol. 135; p. 357.
 Saunders, D. W., Maquoketa, Iowa. Well-drilling machine. No. 903,889; Nov. 17; Sp. p. 2741; Gaz. vol. 137; p. 506.
 Saunders, E. A., South Bend, Ind. Rubber footwear. No. 905,105; Nov. 24; Sp. p. 5288; Gaz. vol. 137; p. 941.
 Saunders, H. C., Nebo, Ill. Wrench. No. 895,896; Aug. 11; Sp. p. 2239; Dr. p. 478; Gaz. vol. 135; p. 1286.
 Saunders, J., East McKeesport, Pa. Packing device. No. 898,786; Sept. 15; Sp. p. 3094; Dr. p. 663; Gaz. vol. 136; p. 562.
 Saunders, L. E., Niagara Falls, N. Y., and J. G. Petrikin, Lock Haven, Pa. Treating aluminous materials. No. 902,255; Oct. 27; Sp. p. 4561; Dr. p. 926; Gaz. vol. 136; p. 1877.
 Saunders, M., London, England. Variable-speed gearing. No. 880,578; Mar. 3; Sp. p. 180; Dr. pp. 39-40; Gaz. vol. 133; p. 33.
 Saurer, Firm of A. (See Kobler, V., assignor.)
 Saurer, H., Arbon, Switzerland. Starting device for explosion-engines with four cylinders. No. 877,377; Jan. 21; Sp. p. 3470; Dr. pp. 733-4; Gaz. vol. 132; p. 632.
 Saurer, H., Arbon, Switzerland. Starting device for explosion-engines with four cylinders. No. 878,747; Feb. 11; Sp. p. 1804; Dr. p. 374; Gaz. vol. 132; p. 1164.
 Saurer, H., Arbon, Switzerland. Starting device for explosion-engines with four cylinders. No. 906,663; Dec. 15; Sp. p. 2984; Gaz. vol. 137; p. 1538.
 Sausser, E. R., assignor to J. W. Ivory, Philadelphia, Pa. Dental tool. No. 881,722; Mar. 10; Sp. p. 2452; Dr. p. 528; Gaz. vol. 133; p. 437.
 Sausser, J. M., Osnaburg, Ohio. Door-operating device. No. 891,737; June 23; Sp. p. 5186; Dr. p. 1120; Gaz. vol. 134; p. 1978.
 Sausser, J. M., Osnaburg, Ohio. Plow. No. 903,323; Nov. 10; Sp. p. 1566; Gaz. vol. 137; p. 289.
 Sausser, J. M., Osnaburg, Ohio. Mine-door-operating device. No. 908,333; Dec. 29; Sp. p. 6423; Gaz. vol. 137; p. 2155.
 Sauter, A., Pittsburg, Pa. Horse-checking device. No. 885,532; Apr. 21; Sp. p. 3842; Dr. p. 803; Gaz. vol. 133; p. 1858.
 Sauter, H., assignor of three-fourths to H. I. Nager, Chicago, Ill. Paper-interleaving machine. No. 902,838; Nov. 3; Sp. p. 617; Gaz. vol. 137; p. 104.
 Sauter, J. L. (See Barth and Sauter.)
 Sauvage, W. H., New York, N. Y. Valve for fluid-pressure brakes. No. 875,958; Jan. 7; Sp. p. 527; Dr. pp. 112-13; Gaz. vol. 132; p. 93.
 Sauvage, W. H., New York, N. Y. Fluid-pressure brake system. No. 902,114; Oct. 27; Sp. p. 4278; Dr. p. 867; Gaz. vol. 136; p. 1832.
 Sauvageau, E., Peabody, Mass. Screen-fastener. No. 877,127; Jan. 21; Sp. p. 2978; Dr. p. 643; Gaz. vol. 132; p. 551.
 Savage, A. C., Finsbury, assignor to Sweetmeat Automatic Delivery Company, Limited, London, England. Coin-freed punch-ball machine. No. 900,126; Oct. 6; Sp. p. 123; Dr. p. 25; Gaz. vol. 136; p. 1091.
 Savage, A. W., assignor to Savage Arms Company, Utica, N. Y. Magazine for firearms. No. 885,868; Apr. 28; Sp. p. 4525; Dr. p. 949; Gaz. vol. 133; p. 1995.
 Savage Arms Company. (See Langdon, B. F., assignor.)
 Savage Arms Company. (See Savage, A. W., assignor.)
 Savage, C. W., *et al.* (See Sandlin, W. C., assignor.)

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- Savage, F. W., Granville, N. Y. Pneumatic-tire shield. No. 883,572; Mar. 31; Sp. p. 6179; Dr. p. 1314; Gaz. vol. 133; p. 1131.
- Savage, F. W., Granville, N. Y. Felt boot or sock. No. 883,573; Mar. 31; Sp. p. 6180; Dr. p. 1314; Gaz. vol. 133; p. 1131.
- Savage, G. (See Cary, F. O., assignor.)
- Savage, G. E., assignor to Manning, Bowman & Company, Meriden, Conn. Percolator-pot construction. No. 882,080; Mar. 17; Sp. p. 3212; Dr. p. 682; Gaz. vol. 133; p. 584.
- Savage, H. C. (See Pabst and Savage.)
- Savage, W. F., Columbus, Ohio. Attachment for trolley-harps. No. 883,242; Mar. 31; Sp. p. 5487; Dr. p. 1170; Gaz. vol. 133; p. 1026.
- Savelsberg, J., Papenburg, Germany. Treating ores. No. 875,852; Jan. 7; Sp. p. 325; Gaz. vol. 132; p. 60.
- Savery, B. F., Ann Arbor, Mich. Metallic sheathing. No. 876,098; Jan. 7; Sp. p. 804; Dr. p. 172; Gaz. vol. 132; p. 136.
- Savery, J. D., Chattanooga, Tenn. Furnace-grate. No. 906,823; Dec. 15; Sp. p. 3291; Gaz. vol. 137; p. 1591.
- Saviers, C. D., *et al.* (See Pleukharp, C. W., assignor.)
- Savin, R. B. (See Hammond and Savin.)
- Savoie, J. (See Wisner, J., assignor.)
- Sawatzky, T., Herbert, Saskatchewan, Canada. Plow. No. 901,193; Oct. 13; Sp. p. 2323; Dr. p. 476; Gaz. vol. 136; p. 1465.
- Sawin, C., Chicago, Ill. Turbine. No. 902,609; Nov. 3; Sp. p. 160; Gaz. vol. 137; p. 26.
- Sawtell, A. H., Medford, Mass. Garment-supporter attachment. No. 886,732; May 5; Sp. p. 815; Dr. p. 168; Gaz. vol. 134; p. 135.
- Sawyer, C. W., Marion, Ohio. File-case. No. 877,600; Jan. 28; Sp. p. 3936; Dr. p. 851; Gaz. vol. 132; p. 727.
- Sawyer, D. B., Paterson, N. J. Electric-circuit controller. No. 893,382; July 14; Sp. p. 1985; Dr. p. 417; Gaz. vol. 135; p. 358.
- Sawyer, F., Brighton, Mich. Evaporator. No. 877,665; Jan. 28; Sp. p. 4061; Dr. p. 880; Gaz. vol. 132; p. 748.
- Sawyer, F. L., Americus, Ga. Hopper-valve. No. 898,689; Sept. 15; Sp. p. 2920; Dr. p. 625; Gaz. vol. 136; p. 531.
- Sawyer, F. M., Charlotte, N. C. Mold for building-blocks. No. 887,432; May 12; Sp. p. 2255; Dr. p. 472; Gaz. vol. 134; p. 390.
- Sawyer, W. H., Americus, Ga. Fence-post. No. 886,344; May 5; Sp. p. 398; Dr. p. 84; Gaz. vol. 134; p. 73.
- Sawyer, W. J., Wembley, England. Advertising apparatus. No. 889,814; June 2; Sp. p. 1210; Dr. pp. 279-80; Gaz. vol. 134; p. 1256.
- Sawyer, W. W., assignor to Bates Machine Company, New York, N. Y. Engraving-machine. No. 898,141; Sept. 8; Sp. p. 1856; Dr. pp. 396-7; Gaz. vol. 136; p. 323.
- Sawyers, D. A., Unionville, Iowa. Washing-machine. No. 878,427; Feb. 4; Sp. p. 1068; Dr. p. 217; Gaz. vol. 132; p. 1024.
- Sawyers, D. A., Unionville, Iowa. Wringer. No. 898,787; Sept. 15; Sp. p. 3095; Dr. p. 663; Gaz. vol. 136; p. 562.
- Sawyers, D. A., Unionville, Iowa. Tack-driver. No. 905,004; Nov. 24; Sp. p. 5089; Gaz. vol. 137; p. 908.
- Saxe, A. C., Winsted, Conn., assignor to Wm. L. Gilbert Clock Company. Alarm-switch. No. 890,377; June 9; Sp. p. 2394; Dr. p. 528; Gaz. vol. 134; p. 1468.
- Saxon Engineering Company. (See Cramp, W., assignor.)
- Saxton, C. D., Boise, Idaho. Pumpless steam-sprayer. No. 895,897; Aug. 11; Sp. p. 2240; Dr. p. 478; Gaz. vol. 135; p. 1286.
- Say, J. J., Unionville, Mo. Hoisting-machine. No. 900,212; Oct. 6; Sp. p. 294; Dr. pp. 59-60; Gaz. vol. 136; p. 1120.
- Sayer, R. C., Redland, Bristol, England. Vehicle and junction and crossing therefor. No. 898,008; Sept. 8; Sp. p. 1582; Dr. pp. 337-9; Gaz. vol. 136; p. 281.
- Sayer, R. C., Redland, Bristol, England. Vehicle for railways and roads. No. 901,194; Oct. 13; Sp. p. 2324; Dr. p. 476; Gaz. vol. 136; p. 1466.
- Sayles, H. W., Peoria, Ill. Register. No. 888,752; May 26; Sp. p. 4866; Dr. p. 1037; Gaz. vol. 134; p. 882.
- Sayles, H. W., Peoria, Ill., assignor, by mesne assignments, to G. M. Willis, Chicago, Ill. Prepayment arrangement for meters. No. 879,913; Feb. 25; Sp. p. 4202; Dr. p. 877; Gaz. vol. 132; p. 1616.
- Sayles, W. F., Auburn, R. I. Steam-trap. No. 897,022; Aug. 25; Sp. p. 4547; Dr. p. 971; Gaz. vol. 135; p. 1698.
- Sayre, C. E., Rockford, Ill. Mixer for gas-machines. No. 877,740; Jan. 28; Sp. p. 4198; Dr. p. 909; Gaz. vol. 132; p. 771.
- Sayre, E. P., Montclair, N. J. Labeling-machine. No. 897,933; Sept. 8; Sp. p. 1431; Dr. p. 306; Gaz. vol. 136; p. 256.
- Sayre, G. W., Stevens, W. Va. Car-coupling. No. 896,067; Aug. 11; Sp. p. 2576; Dr. p. 557; Gaz. vol. 135; p. 1342.
- Sayre, J. J., Cincinnati, Ohio. Printing device. No. 899,624; Sept. 29; Sp. p. 4721; Dr. p. 1011; Gaz. vol. 136; p. 898.
- Sayre Stamping Company. (See Bowen, J., assignor.)
- Sayres, J. H., Brooklyn, N. Y. Sash-chain fastener. No. 884,344; Apr. 7; Sp. p. 1353; Dr. p. 289; Gaz. vol. 133; p. 1410.
- Sborigli, L., New York, N. Y. Frame. No. 899,329; Sept. 22; Sp. p. 4126; Dr. p. 883; Gaz. vol. 136; p. 765.
- Scaff, H. E. (See Woodward and Scaff.)
- Scaife, W. L., Allegheny, Pa. Coal and ore washer or concentrator. No. 890,876; June 16; Sp. p. 3412; Dr. p. 748; Gaz. vol. 134; p. 1664.
- Scanlan, D., Halifax, Nova Scotia, Canada. Exercising apparatus for oarsmen. No. 885,871; Apr. 28; Sp. p. 4531; Dr. p. 950; Gaz. vol. 133; p. 1997.
- Scanlan, E. C., Newark, N. J. Hat-fastening device. No. 895,500; Aug. 11; Sp. p. 1455; Dr. p. 305; Gaz. vol. 135; p. 1158.
- Scanlan, F., Brantford, Ontario, Canada. Axle. No. 879,327; Feb. 18; Sp. p. 2934; Dr. p. 612; Gaz. vol. 132; p. 1391.
- Scanlan, J. F., Brooklyn, N. Y. Brush. No. 878,748; Feb. 11; Sp. p. 1808; Dr. p. 374; Gaz. vol. 132; p. 1164.
- Scanlan, M. J., Keystone, S. D. Hammock-support. No. 894,065; July 21; Sp. p. 3526; Dr. pp. 722-3; Gaz. vol. 135; p. 613.
- Scanlan, O., New Orleans, La. Rail-joint. No. 894,985; Aug. 4; Sp. p. 426; Dr. p. 87; Gaz. vol. 135; p. 963.
- Scanlon, H. J., McKeesport, assignor to American Sheet & Tin Plate Company, Pittsburg, Pa. Continuous pickling and tinning apparatus. No. 893,383; July 14; Sp. p. 1986; Dr. p. 417; Gaz. vol. 135; p. 358.
- Scanlon, R., *et al.* (See Riemer, W. L., assignor.)
- Scantlebury, V. J. (See Humphreys and Scantlebury.)
- Scarborough, W. A. (See Coker and Scarborough.)
- Scarpa, L. G., Turin, Italy. Surgical appliance. No. 894,066; July 21; Sp. p. 3527; Dr. p. 723; Gaz. vol. 135; p. 614.
- Scates, E. C., Knoxville, Tenn. Bias-fold cutter. No. 884,219; Apr. 7; Sp. p. 1141; Dr. p. 240; Gaz. vol. 133; p. 1371.
- Schaaf, J. H., Louisville, Ky. Winker-brace clip. No. 894,467; July 28; Sp. p. 4374; Dr. p. 903; Gaz. vol. 135; p. 766.
- Schaaf, J. T., *et al.*, trustees. (See Cahill, T., assignor.)
- Schaal, K., Seward, Neb. Vegetable-peeler. No. 898,931; Sept. 15; Sp. p. 3351; Dr. p. 719; Gaz. vol. 136; p. 609.
- Schaap, A. K., New York, N. Y., assignor to Schaap Automobile Company. Packing for gas-engine valve-stems. No. 897,023; Aug. 25; Sp. p. 4549; Dr. p. 971; Gaz. vol. 135; p. 1699.
- Schaap Automobile Company. (See Schaap, A. K., assignor.)
- Schaar, A. H. F., San Francisco, assignor to United States Wireless Printing Telegraph Company, Los Angeles, Cal. Keyboard. No. 894,167; July 21; Sp. p. 3725; Dr. p. 770; Gaz. vol. 135; p. 646.
- Schaar, A. H. F., San Francisco, assignor to United States Wireless Printing Telegraph Co., Los Angeles, Cal. Constant-speed mechanism. No. 895,308; Aug. 4; Sp. p. 1087; Dr. pp. 227-8; Gaz. vol. 135; p. 1073.
- Schaarschmidt, A. (See Mayer and Schaarschmidt.)
- Schaarschmidt, A., assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Orange to orange-yellow vat dye and making same. No. 899,845; Sept. 29; Sp. p. 5185; Gaz. vol. 136; p. 971.
- Schachner, E. E., Denver, Colo. Non-slipping tread. No. 893,198; July 14; Sp. p. 1644; Dr. pp. 346-7; Gaz. vol. 135; p. 297.
- Schachner, E. E., Denver, Colo. Soffit structure for staircases. No. 894,801; July 28; Sp. p. 5010; Dr. p. 1045; Gaz. vol. 135; p. 874.
- Schachner, L., St. Louis, Mo. Shade-bracket. No. 883,574; Mar. 31; Sp. p. 6181; Dr. p. 1314; Gaz. vol. 133; p. 1132.
- Schacht, W. F., Goshen, Ind. Hair-curler. No. 876,402; Jan. 14; Sp. p. 1436; Dr. p. 308; Gaz. vol. 132; p. 267.
- Schacht, W. F., Goshen, Ind. Sink-stopple. No. 901,195; Oct. 13; Sp. p. 2325; Dr. p. 477; Gaz. vol. 136; p. 1466.
- Schacht, W. F., Goshen, Ind. Combined door check and securer. No. 906,305; Dec. 8; Sp. p. 2335; Gaz. vol. 137; p. 1401.
- Schack, S. J. (See Coleman, B. B., assignor.)
- Schad, A., Mansfield, Ohio. Suspenders. No. 894,907; Aug. 4; Sp. p. 241; Dr. p. 51; Gaz. vol. 135; p. 936.
- Schade, C. H., Cedar Rapids, Iowa. Trammel. No. 896,047; Aug. 11; Sp. p. 2537; Dr. p. 549; Gaz. vol. 135; p. 1335.
- Schade, E. A., New Britain, Conn. Ratchet mechanism. No. 882,539; Mar. 17; Sp. p. 4069; Dr. p. 865; Gaz. vol. 133; p. 733.
- Schaefer, A. (See Schaefer, G. L. and A.)
- Schaefer, A. C., assignor of one-half to W. P. Chrysler, Oelwein, Iowa. Packing for piston-rods. (Reissue.) No. 12,806; June 2; Sp. p. 1367; Dr. p. 311; Gaz. vol. 134; p. 1282.
- Schaefer, A. W., New York, N. Y. Machine for cutting leather. No. 901,126; Oct. 13; Sp. p. 2208; Dr. p. 449; Gaz. vol. 136; p. 1443.
- Schaefer, E. (See Yearwood and Pattison, assignors.)
- Schaefer, G. L., New York, N. Y., and A. Schaefer, Basel, Switzerland. Preparing cellulose for artificial silk. No. 879,416; Feb. 18; Sp. p. 3133; Gaz. vol. 132; p. 1421.
- Schaefer, G. L., New York, N. Y., and A. Schaefer, Basel, Switzerland. Preparing cuprammonia solution. No. 884,298; Apr. 7; Sp. p. 1271; Dr. p. 268; Gaz. vol. 133; p. 1395.
- Schaefer, H. C., El Paso, Tex. Rotary engine. No. 883,575; Mar. 31; Sp. p. 6182; Dr. pp. 1314-15; Gaz. vol. 133; p. 1132.
- Schaefer, M., *et al.* (See Patten, J. S., assignor.) (Reissue.)
- Schaefer, W. G., Reading, Pa., assignor, by mesne assignments, to Reading Standard Company. Muffler cut-out. No. 880,471; Feb. 25; Sp. p. 5329; Dr. p. 1121; Gaz. vol. 132; p. 1801.
- Schaefer, W. G., Reading, Pa., assignor, by mesne assignments, to Reading Standard Company. Motor-cycle. No. 887,966; May 19; Sp. p. 3309; Dr. p. 695; Gaz. vol. 134; p. 596.

Alphabetical list of patentees—Continued.

- Schaeffer, W. G., assignor to Reading Standard Company, Reading, Pa. Yieldable driving-gear. No. 895,501; Aug. 11; Sp. p. 1457; Dr. p. 306; Gaz. vol. 135; p. 1159.
- Schaeffer, W. G., assignor to Reading Standard Company, Reading, Pa. Yieldable driving-gear. No. 895,502; Aug. 11; Sp. p. 1458; Dr. p. 306; Gaz. vol. 135; p. 1159.
- Schaeffle, S. M., Naperville, Ill. Mop-wringer. No. 900,430; Oct. 6; Sp. p. 757; Dr. p. 156; Gaz. vol. 136; p. 1192.
- Schaefflbaum, R., Providence, R. I. Grid for openers, scutchers, and the like machines. No. 905,237; Dec. 1; Sp. p. 232; Gaz. vol. 137; p. 1022.
- Schafer, C. E. (See Connolly and Schafer.)
- Schafer, J. C. F., Mount Pulaski, Ill. Crib-hook. No. 895,797; Aug. 11; Sp. p. 2053; Dr. p. 436; Gaz. vol. 135; p. 1255.
- Schafer, J. C. F., Mount Pulaski, Ill. Damper. No. 901,485; Oct. 20; Sp. p. 2988; Dr. p. 609; Gaz. vol. 136; p. 1599.
- Schaffer, E., Frankford, Pa. Flower-box. No. 905,238; Dec. 1; Sp. p. 232; Gaz. vol. 137; p. 1022.
- Schaffhirt, J. B., Washington, D. C. Dental appliance. No. 887,528; May 12; Sp. p. 2449; Dr. p. 517; Gaz. vol. 134; p. 421.
- Schaller, A., Perrysburg, Ohio. Wrench. No. 877,741; Jan. 28; Sp. p. 4199; Dr. p. 909; Gaz. vol. 132; p. 771.
- Schaller, G. J. (See Adams and Schaller.)
- Schaller, G. J., Covington, Ky., and V. B. Adams, Cincinnati, Ohio. Rip-saw. No. 883,671; Mar. 31; Sp. p. 6372; Dr. p. 1359; Gaz. vol. 133; p. 1162.
- Schaller, K. F., Vienna, Austria-Hungary. Pack-saddle. No. 893,199; July 14; Sp. p. 1647; Dr. pp. 347-8; Gaz. vol. 135; p. 297.
- Schaller, O., Maplewood, Mo. Excavator. No. 879,844; Feb. 18; Sp. p. 4013; Dr. p. 841; Gaz. vol. 132; p. 1560.
- Schallow, P., St. Clair, Minn. Rein-guide. No. 877,128; Jan. 21; Sp. p. 2979; Dr. p. 643; Gaz. vol. 132; p. 551.
- Schaney, M. M., Dubois, Pa. Holder for fishing-tackle. No. 891,103; June 16; Sp. p. 3870; Dr. p. 846; Gaz. vol. 134; p. 1738.
- Schanick, H. J., Kenney, Tex. Lamp attachment. No. 900,127; Oct. 6; Sp. p. 124; Dr. p. 26; Gaz. vol. 133; p. 1092.
- Schanz, F. A., Dresden, Germany. Sight for firearms. No. 889,551; June 2; Sp. p. 722; Dr. p. 166; Gaz. vol. 134; p. 1173.
- Schapekahn, H., and O. Schell, New Ulm, Minn. Labeling-machine. No. 907,705; Dec. 22; Sp. p. 5112; Gaz. vol. 137; p. 1916.
- Schaper, A., Hanover, Germany. Valve-bung. No. 882,652; Mar. 24; Sp. p. 4298; Dr. p. 911; Gaz. vol. 133; p. 803.
- Schärer-Nussbaumer, J., Erlenbach, Switzerland. Apparatus for making cops. No. 878,091; Feb. 4; Sp. p. 400; Dr. pp. 84-5; Gaz. vol. 132; p. 913.
- Scharf, F., Devils Lake, N. D. Vegetable-slicer. No. 878,676; Feb. 11; Sp. p. 1674; Dr. p. 345; Gaz. vol. 132; p. 1141.
- Scharf, W. H., Montreal, Quebec, assignor to Toronto Type Foundry Company, Limited, Toronto, Canada. Linotype-machine. No. 886,646; May 5; Sp. p. 599; Dr. pp. 124-5; Gaz. vol. 134; p. 104.
- Scharf, W. H., Montreal, Quebec, assignor to Toronto Type Foundry Company, Limited, Toronto, Canada. Linotype-machine. No. 889,552; June 2; Sp. p. 722; Dr. pp. 166-7; Gaz. vol. 134; p. 1173.
- Scharfhausen, W., assignor to Payette Insulator Pin Company, Limited, Payette, Idaho. Insulator-pin. No. 882,424; Mar. 17; Sp. p. 3837; Dr. p. 820; Gaz. vol. 133; p. 694.
- Scharrer, E. (See Schmidt, C. H., assignor.)
- Scharz, R. E., Oakland, Cal. Nut-lock. No. 887,433; May 12; Sp. p. 2257; Dr. p. 472; Gaz. vol. 134; p. 390.
- Schatt, J. W., Gowanda, N. Y., assignor to Schatt & Morgan Cutlery Company, Titusville, Pa. Piercing-tool. No. 890,457; June 9; Sp. p. 2528; Dr. p. 560; Gaz. vol. 134; p. 1493.
- Schatt & Morgan Cutlery Company. (See Schatt, J. W., assignor.)
- Schattner, E., Schenectady, N. Y., assignor to General Electric Company. Fuse. No. 888,355; May 19; Sp. p. 4041; Dr. p. 853; Gaz. vol. 134; p. 719.
- Schattner, E., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 894,705; July 28; Sp. p. 4836; Dr. p. 1005; Gaz. vol. 135; p. 844.
- Schattner, E., Schenectady, N. Y., assignor to General Electric Company. System of electric metering. No. 897,024; Aug. 25; Sp. p. 4551; Dr. p. 972; Gaz. vol. 135; p. 1699.
- Schattner, E., London, England, assignor to General Electric Company. Distance-control apparatus for translating devices. No. 904,810; Nov. 24; Sp. p. 4695; Gaz. vol. 137; p. 843.
- Schatz, E., Frankfurt-on-the-Main, Germany. Automatic apparatus for gas analysis. No. 895,798; Aug. 11; Sp. p. 2055; Dr. pp. 436-7; Gaz. vol. 135; p. 1255.
- Schatzmann, A. (See Geiser and Schatzmann.)
- Schaub, E. L. T., Columbus, Ohio. Machine for treating metallic tires. No. 902,689; Nov. 3; Sp. p. 303; Gaz. vol. 137; p. 52.
- Schauli, G., London, England. Electric cell. No. 902,173; Oct. 27; Sp. p. 4399; Dr. p. 891; Gaz. vol. 136; p. 1851.
- Schaum, O. W., Philadelphia, Pa. Narrow-ware loom. No. 894,067; July 21; Sp. p. 3529; Dr. p. 723; Gaz. vol. 135; p. 614.
- Schaum, O. W., Philadelphia, Pa. Narrow-ware loom. No. 904,281; Nov. 17; Sp. p. 3590; Gaz. vol. 137; p. 640.
- Schauweker, F. F. (See Robeson and Schauweker.)
- Schebler, G. M., Indianapolis, Ind. Carburetor. No. 886,545; May 5; Sp. p. 399; Dr. pp. 84-5; Gaz. vol. 134; p. 74.
- Schedler, A. (See Jedlicka and Schedler.)
- Schee, F. E., Athens, Mo. Combined manure loader and spreader. No. 883,243; Mar. 31; Sp. p. 5488; Dr. p. 1170; Gaz. vol. 133; p. 1026.
- Scheeffer, G. A., Indianapolis, Ind. Electricity-meter. No. 905,934; Dec. 8; Sp. p. 1620; Gaz. vol. 137; p. 1279.
- Scheelky, C. J., Newport News, Va. Mold for concrete building-blocks. No. 896,330; Aug. 18; Sp. p. 3088; Dr. pp. 664-5; Gaz. vol. 135; p. 1448.
- Scheer, C., Silverton, Colo. Bunk. No. 895,898; Aug. 11; Sp. p. 2241; Dr. p. 478; Gaz. vol. 135; p. 1287.
- Scheer, G. H., Sheboygan, Wis. Fixing and washing tank. No. 900,431; Oct. 6; Sp. p. 759; Dr. p. 156; Gaz. vol. 136; p. 1192.
- Scheff, M. H. (See McGrath and Scheff.)
- Scheib, L., Jr. (See Scheib, L., Sr., and L., Jr.)
- Scheib, L., Sr., and L., Jr., Kaiserslautern, Germany. Central-buffer claw-coupling. No. 899,565; Sept. 29; Sp. p. 4593; Dr. p. 986; Gaz. vol. 136; p. 879.
- Scheib, L., Sr., and L., Jr., Kaiserslautern, Germany. Uncoupling mechanism for central-buffer claw-couplings. No. 901,560; Oct. 20; Sp. p. 3135; Dr. p. 640; Gaz. vol. 136; p. 1623.
- Scheib, L., Sr., and L., Jr., Kaiserslautern, Germany. Central-buffer claw-coupling. No. 904,153; Nov. 17; Sp. p. 3285; Gaz. vol. 137; p. 595.
- Scheibe, R., Leipzig, Germany. Separator. No. 881,723; Mar. 10; Sp. p. 2453; Dr. p. 528; Gaz. vol. 133; p. 437.
- Scheideinan, J., Washington, D. C. Refrigerating apparatus. No. 902,256; Oct. 27; Sp. p. 4563; Dr. p. 926; Gaz. vol. 136; p. 1877.
- Scheidt, H. J., vom, Buffalo, N. Y. Truck. No. 897,853; Sept. 1; Sp. p. 1243; Dr. p. 266; Gaz. vol. 136; p. 197.
- Scheidt, R. J., California, Mo. Automatic brake for road-vehicles. No. 882,210; Mar. 17; Sp. p. 3446; Dr. p. 733; Gaz. vol. 133; p. 623.
- Scheif, C. A., Pittsburg, Pa. Curtain-fixture. No. 898,788; Sept. 15; Sp. p. 3098; Dr. p. 663; Gaz. vol. 136; p. 563.
- Schell, C. F., Buffalo, N. Y. Water-radiator for automobiles. No. 895,205; Aug. 4; Sp. p. 867; Dr. pp. 181-2; Gaz. vol. 135; p. 1038.
- Schell, F., Milton, Pa. Metallic railway-tie. No. 895,799; Aug. 11; Sp. p. 2050; Dr. p. 437; Gaz. vol. 135; p. 1255.
- Schell, O. (See Schapekahn and Schell.)
- Schellenberg, H. L., Detroit, Mich. Garbage-receptacle. No. 893,267; July 14; Sp. p. 1778; Dr. p. 374; Gaz. vol. 135; p. 321.
- Scheller, O., Steglitz, near Berlin, Germany. Apparatus for plotting resonance curves. No. 892,311; June 30; Sp. p. 6324; Dr. p. 1362; Gaz. vol. 134; p. 2200.
- Scheller, O., Steglitz, near Berlin, Germany. System for receiving undamped electric oscillations. No. 892,312; June 30; Sp. p. 6326; Dr. p. 1362; Gaz. vol. 134; p. 2200.
- Schellhase, E. E. (See Williams, W. J., assignor.)
- Schelter, G. G., Rochester, N. Y. Last. No. 906,565; Dec. 15; Sp. p. 2806; Gaz. vol. 137; p. 1509.
- Schelter & Giesecke, J. G. (See Burbach, A., assignor.)
- Schenck, A. P., Bethany, Ohio. Concrete-mixer. No. 887,854; May 19; Sp. p. 3095; Dr. p. 649; Gaz. vol. 134; p. 558.
- Schenck, E. A., Kansas City, Kans. Hot-water-main fitting. No. 896,762; Aug. 25; Sp. p. 3954; Dr. p. 851; Gaz. vol. 135; p. 1610.
- Schenck, J. E. (See Mullaley and Schenck.)
- Schenck, M., assignor to Miami Cycle & Manufacturing Company, Middletown, Ohio. Spring-fork. No. 876,021; Jan. 7; Sp. p. 654; Dr. p. 139; Gaz. vol. 132; p. 113.
- Schenck, M. B., Meriden, Conn. Caster. No. 895,503; Aug. 11; Sp. p. 1459; Dr. p. 306; Gaz. vol. 135; p. 1159.
- Schenck, M. B., Meriden, Conn. Caster. No. 895,504; Aug. 11; Sp. p. 1461; Dr. p. 306; Gaz. vol. 135; p. 1160.
- Schenck, W. A., Allegheny, Pa. Newspaper-vending machine. No. 895,899; Aug. 11; Sp. p. 2242; Dr. p. 479; Gaz. vol. 135; p. 1287.
- Schenimann, L. C., et al. (See Modlin, T. B., assignor.)
- Schenk, H., assignor of one-half to H. Gerhardt, Chandler, Ind. Ter. Desk attachment. No. 891,188; June 16; Sp. p. 4027; Dr. p. 882; Gaz. vol. 134; p. 1765.
- Schenk, N., St. Louis, Mo. Vehicle-wheel. No. 895,111; Aug. 4; Sp. p. 679; Dr. p. 142; Gaz. vol. 135; p. 1006.
- Schenk, W. (See Truccot, P., assignor.)
- Schepfer, B. H., Lexington Pike, Kenton county, Ky. Vehicle-top. No. 882,914; Mar. 24; Sp. p. 4827; Dr. p. 1025; Gaz. vol. 133; p. 888.
- Scherer, O., Detroit, Mich. Stilt. No. 887,434; May 12; Sp. p. 2258; Dr. p. 473; Gaz. vol. 134; p. 390.
- Scherer, O., Detroit, Mich. Stilt. No. 887,435; May 12; Sp. p. 2258; Dr. p. 473; Gaz. vol. 134; p. 390.
- Scherf, G., Sonneberg, Germany. Knee-joint for dolls. No. 906,566; Dec. 15; Sp. p. 2808; Gaz. vol. 137; p. 1509.
- Scherf, T., Cleveland, Ohio. Apparatus for softening paper. No. 905,465; Dec. 1; Sp. p. 707; Gaz. vol. 137; p. 1098.

- Scherfenberg, R., Berlin-Schöneberg, Germany. Structure made of bricks for reaction-towers, heat-compensation apparatus, and the like. No. 888,120; May 19; Sp. p. 3605; Dr. p. 755; Gaz. vol. 134; p. 645.
- Scherl, A. (See Gärtner, A., assignor.)
- Scherl, B., Erfurt, Germany. Bedstead. No. 881,030; Mar. 3; Sp. p. 1079; Dr. p. 234; Gaz. vol. 133; p. 184.
- Scherl, B., Erfurt, Germany. Construction and arrangement of sitting and bed rooms in mansions of all kinds, especially hotels, sanitariums, and the like. No. 894,068; July 21; Sp. p. 3531; Dr. p. 724; Gaz. vol. 135; p. 615.
- Scherl, R., Berlin, Germany. Support for monorack-vehicles. No. 897,558; Sept. 1; Sp. p. 655; Dr. p. 137; Gaz. vol. 136; p. 102.
- Scherling, R. C., assignor to H. E. and J. E. Bullock, Chicago, Ill. Cotton-picking machine. No. 891,444; June 23; Sp. p. 4579; Dr. p. 995; Gaz. vol. 134; p. 1882.
- Schermerhorn, E., assignor of one-half to W. P. McKeough, Amsterdam, N. Y. Electric signal device. No. 881,264; Mar. 10; Sp. p. 1541; Dr. p. 332; Gaz. vol. 133; p. 290.
- Schermerhorn, H. A., Shabbona Grove, Ill. Auxiliary seat for vehicles. No. 887,967; May 19; Sp. p. 3310; Dr. p. 696; Gaz. vol. 134; p. 596.
- Scherpe, H., assignor to Firm of Dr. Degen & Kuth, Düren, Germany. Vulcanizing a rubber solution. No. 906,306; Dec. 8; Sp. p. 2337; Gaz. vol. 137; p. 1401.
- Scherping, F. C., Saginaw, Mich. Truck. No. 903,890; Nov. 17; Sp. p. 2743; Gaz. vol. 137; p. 506.
- Scherr, F., Roosevelt, N. Y., and F. Darkin, Passaic, N. J. Machine for preparing vegetable fibers. No. 899,846; Sept. 29; Sp. p. 5186; Dr. p. 1111; Gaz. vol. 136; p. 971.
- Schertz, J. A., Marquette, Nebr. Hay-stacker. No. 902,610; Nov. 3; Sp. p. 161; Gaz. vol. 137; p. 27.
- Scheuber, A. W., Jersey City, N. J., assignor to Firm of S. Zinn, New York, N. Y. Razor-stropping machine. No. 892,011; June 30; Sp. p. 5755; Dr. p. 1278; Gaz. vol. 134; p. 2101.
- Scheuerer, J. J. (See Hauptle and Scheuerer.)
- Scheuner, C., Chicago, Ill. Pneumatic tire. No. 903,891; Nov. 17; Sp. p. 2745; Gaz. vol. 137; p. 506.
- Scheurer, W., West New York, N. J. Fan attachment for rocking-chairs. No. 884,212; Apr. 7; Sp. p. 1128; Dr. p. 236; Gaz. vol. 133; p. 1369.
- Schiavone, M., Ferrandina, Italy. Controlling air-ships. No. 897,666; Sept. 1; Sp. p. 862; Dr. pp. 184-6; Gaz. vol. 136; p. 138.
- Schiba, B. (See Vrana and Schiba.)
- Schibler, B., Jr. (See Eastwood and Schibler.)
- Schickerling, A., New York, N. Y. Loving-cup. No. 898,142; Sept. 8; Sp. p. 1858; Dr. p. 397; Gaz. vol. 136; p. 323.
- Schlieferstein, A., Bayonne, N. J. Hydrocarbon-engine. No. 887,347; May 12; Sp. p. 2063; Dr. p. 433; Gaz. vol. 134; p. 362.
- Schlieferstein, A., Bayonne, N. J. Gas-engine. No. 901,745; Oct. 20; Sp. p. 3536; Dr. p. 715; Gaz. vol. 136; p. 1685.
- Schiege, K. (See Galtzsch, J., assignor.)
- Schiele, M., Hanover, Germany, assignor to E. Berliner, Washington, D. C. Portable vulcanizing apparatus. No. 907,532; Dec. 22; Sp. p. 4701; Gaz. vol. 137; p. 1859.
- Schiepe, A., assignor to H. Friedmann, Charlottenburg, Germany. Type-casting machine. No. 891,637; June 23; Sp. p. 4987; Dr. pp. 1075-6; Gaz. vol. 134; p. 1945.
- Schierloh, J. D., Jersey City, N. J. Fire-nozzle attachment for valves. No. 899,330; Sept. 22; Sp. p. 4127; Dr. p. 883; Gaz. vol. 136; p. 766.
- Schies, J., and M. Wyant, Anderson, Ind. Glass-tank furnace. No. 895,206; Aug. 4; Sp. p. 869; Dr. p. 182; Gaz. vol. 135; p. 1039.
- Schietzel, E., Wilkes-Barre, Pa. Sparker device. No. 905,935; Dec. 8; Sp. p. 1623; Gaz. vol. 137; p. 1280.
- Schiff, L., Baltimore, Md. Buttonhole-protector. No. 889,405; June 2; Sp. p. 434; Dr. p. 103; Gaz. vol. 134; p. 1126.
- Schiffer, P. J., Detroit, Mich. Letter-box. No. 877,742; Jan. 28; Sp. p. 4200; Dr. p. 910; Gaz. vol. 132; p. 771.
- Schiffers, E. C. (See Meyer and Schiffers.)
- Schiffhauer, J. H., Pittsburg, Pa. Shield for enlarged joints. No. 876,022; Jan. 7; Sp. p. 655; Dr. p. 140; Gaz. vol. 132; p. 113.
- Schigelsky, J., Cleveland, Ohio. Bottle-cleaner. No. 882,021; Mar. 17; Sp. p. 3094; Dr. p. 659; Gaz. vol. 133; p. 564.
- Schildhauer, E., Washington, D. C. Lock-gate. No. 880,103; Feb. 25; Sp. p. 4564; Dr. p. 961; Gaz. vol. 132; p. 1676.
- Schildhauer, E., Washington, D. C. Measuring instrument. No. 907,894; Dec. 29; Sp. p. 5495; Gaz. vol. 137; p. 2007.
- Schildhauer, E., Washington, D. C., and A. A. Radtke, Chicago, Ill. Regulation for multiphase systems. No. 894,539; July 28; Sp. p. 4502; Dr. pp. 933-4; Gaz. vol. 135; p. 789.
- Schilleman, J., Wabeno, Wis. Log-conveyer chain. No. 885,959; Apr. 28; Sp. p. 4731; Dr. p. 994; Gaz. vol. 133; p. 2028.
- Schiller, H. B., Reading, Pa. Flying-machine. No. 901,486; Oct. 20; Sp. p. 2989; Dr. p. 609; Gaz. vol. 136; p. 1600.
- Schiller, M., Berlin, Germany. Reel for reaping, mowing, and the like machines. No. 880,104; Feb. 25; Sp. p. 4567; Dr. p. 962; Gaz. vol. 132; p. 1677.
- Schiller, W. A., Chicago, Ill. Lid-support. No. 881,492; Mar. 10; Sp. p. 1997; Dr. p. 435; Gaz. vol. 133; p. 362.
- Schilling, C. R. (See Bicker and Schilling.)
- Schilling, J., Halensee, near Berlin, Germany. Means for attaching metallic filaments to their carrier-arms. No. 896,252; Aug. 18; Sp. p. 2917; Dr. p. 628; Gaz. vol. 135; p. 1424.
- Schilling, R., Oakland, Cal. Box-stamping machine. No. 904,811; Nov. 24; Sp. p. 4697; Gaz. vol. 137; p. 843.
- Schilling, T., New York, N. Y. Floor system. No. 879,009; Feb. 11; Sp. p. 2304; Dr. p. 481; Gaz. vol. 132; p. 1246.
- Schimmel u. Co., Firm of. (See Stalmann, G., assignor.)
- Schimmel, F., Faribault, Minn. Piano-action. No. 896,763; Aug. 25; Sp. p. 3956; Dr. p. 852; Gaz. vol. 135; p. 1610.
- Schimpi, J. J., Texarkana, Tex. Tram-car. No. 882,915; Mar. 24; Sp. p. 4830; Dr. p. 1025; Gaz. vol. 133; p. 889.
- Schindewolf, F. (See Everett and Schindewolf.)
- Schindewolf, F., assignor to R. E. Dietz Company, New York, N. Y. Spring-fastening. No. 888,121; May 19; Sp. p. 3607; Dr. p. 756; Gaz. vol. 134; p. 645.
- Schindler, C. E., Coldwater, Ohio. Border-calculator. No. 904,456; Nov. 17; Sp. p. 3930; Gaz. vol. 137; p. 697.
- Schindler, H. E., Sisseton, S. D. Spring-wheel. No. 882,348; Mar. 17; Sp. p. 3722; Dr. p. 791; Gaz. vol. 133; p. 670.
- Schinneller, J., Pittsburg, Pa. Registering mechanism. No. 877,668; Jan. 28; Sp. p. 4067; Dr. pp. 881-2; Gaz. vol. 132; p. 749.
- Schinner, J. M., Marshfield, Wis. Belt-tightener. No. 879,328; Feb. 18; Sp. p. 2936; Dr. p. 612; Gaz. vol. 132; p. 1391.
- Schönning, J., Copenhagen, Denmark. Machine for applying gum-liquid coating to covers. No. 894,540; July 28; Sp. p. 4505; Dr. pp. 934-5; Gaz. vol. 135; p. 789.
- Schuppert, A. J., et al. (See Simmons, J. L., assignor.)
- Schirmacher, K., and A. Brunner, assignors to Farbwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Red vat-dye. No. 881,159; Mar. 10; Sp. p. 1331; Gaz. vol. 133; p. 256.
- Schirmacher, K., and A. Brunner, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Brown vat-dye. No. 888,852; May 26; Sp. p. 5098; Gaz. vol. 134; p. 915.
- Schirmacher, K., and B. Deicke, assignors to Farbwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Dark-blue-violet dye. No. 881,158; Mar. 10; Sp. p. 1330; Gaz. vol. 133; p. 256.
- Schirmacher, K., and H. Landers, assignors to Farbwerke vorm. Meister, Lucius and Brüning, Höchst-on-the-Main, Germany. Red vat dye. No. 892,897; July 7; Sp. p. 1024; Gaz. vol. 135; p. 170.
- Schirmacher, K., and R. Leopold, assignors to Farbwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Dark-green-black dye. No. 881,157; Mar. 10; Sp. p. 1328; Gaz. vol. 133; p. 256.
- Schirmer, B. F., Cleveland, Ohio. Filter. No. 879,197; Feb. 18; Sp. p. 2685; Dr. p. 560; Gaz. vol. 132; p. 1348.
- Schirmer, B. F., Indianapolis, Ind. Buffing device. No. 879,198; Feb. 18; Sp. p. 2687; Dr. p. 560; Gaz. vol. 132; p. 1348.
- Schirmer, B. F., Indianapolis, Ind. Pneumatic tire. No. 879,199; Feb. 18; Sp. p. 2689; Dr. p. 561; Gaz. vol. 132; p. 1349.
- Schirmer, B. F., Indianapolis, Ind. Non-puncturable inner tire. No. 880,923; Mar. 3; Sp. p. 889; Dr. p. 192; Gaz. vol. 133; p. 149.
- Schirmer, T. F., and M. C. Stern, assignors to Egry Autographic Register Company, Dayton, Ohio. Autographic register. No. 886,015; Apr. 28; Sp. p. 4854; Dr. p. 1020; Gaz. vol. 133; p. 2046.
- Schirra, J., Pittsburg, and F. Weber, Allegheny, Pa., assignors to Braun Manufacturing Company. Wall-tie. No. 887,018; May 5; Sp. p. 1349; Dr. p. 286; Gaz. vol. 134; p. 224.
- Schlachter, C. A., Rockwell City, Iowa. Power-transmission device. No. 881,444; Mar. 10; Sp. p. 1997; Dr. pp. 413-14; Gaz. vol. 133; p. 347.
- Schlaflay, J. H., Canton, Ohio. Corrugated-metal culvert. No. 882,081; Mar. 17; Sp. p. 3213; Dr. p. 682; Gaz. vol. 133; p. 584.
- Schlaflay, J. H., assignor to Berger Manufacturing Company, Canton, Ohio. Concrete structure. No. 893,550; July 14; Sp. p. 2372; Dr. p. 496; Gaz. vol. 135; p. 413.
- Schlaflay, J. H., assignor to Berger Manufacturing Company, Canton, Ohio. Bar for concrete construction. No. 896,589; Aug. 18; Sp. p. 3602; Dr. p. 774; Gaz. vol. 135; p. 1533.
- Schlaflay, J. H., assignor to Canton Culvert Company, Canton, Ohio. Culvert and connection. No. 897,416; Sept. 1; Sp. p. 366; Dr. p. 77; Gaz. vol. 136; p. 57.
- Schlaflay, J. H., assignor to Canton Culvert Company, Canton, Ohio. Culvert. No. 900,039; Sept. 29; Sp. p. 5601; Dr. p. 1195; Gaz. vol. 136; p. 1033.
- Schlaflay, J. H., assignor to Canton Culvert Company, Canton, Ohio. Culvert. No. 904,651; Nov. 24; Sp. p. 4350; Gaz. vol. 137; p. 700.

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- Schlageck, F., Angelus, Kans. Attachment for pumps. No. 881,347; Mar. 10; Sp. p. 1696; Dr. p. 367; Gaz. vol. 133; p. 316.
- Schlagel, J., *et al.* (See Lehmann, J. C., assignor.)
- Schlager, A., Gaggenau, Baden, Germany, assignor to F. Schlager and M. Liermann, St. Louis, Mo. Combined pencil-box and book-support. No. 883,051; Mar. 24; Sp. p. 5081; Dr. p. 1084; Gaz. vol. 133; p. 932.
- Schlager, F., *et al.* (See Schlager, A., assignor.)
- Schlamb, L. P., Dull, Ohio. Starter for engines. No. 876,240; Jan. 7; Sp. p. 1074; Dr. pp. 233-4; Gaz. vol. 132; p. 182.
- Schlang, A., Brooklyn, N. Y. Garment-hanger. No. 884,616; Apr. 14; Sp. p. 1918; Dr. p. 412; Gaz. vol. 133; p. 1528.
- Schlang, A., Brooklyn, N. Y. Garment-hanger. No. 884,617; Apr. 14; Sp. p. 1919; Dr. p. 412; Gaz. vol. 133; p. 1529.
- Schlegel, A., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Dyeing. No. 893,384; July 14; Sp. p. 1983; Gaz. vol. 135; p. 358.
- Schlegel, P. H., Killbuck, Ohio. Rail-joint. No. 890,182; June 9; Sp. p. 1984; Dr. p. 438; Gaz. vol. 134; p. 1406.
- Schlegell, F., von, Chicago, Ill. Loose-leaf book. No. 890,877; June 16; Sp. p. 3415; Dr. p. 748; Gaz. vol. 134; p. 1664.
- Schleicher, F. F., and S. H. Fisher, assignors, by mesne assignments, to Andrews Wire & Iron Works, Rockford, Ill. Door-latch. No. 905,936; Dec. 8; Sp. p. 1626; Gaz. vol. 137; p. 1280.
- Schleicher, W. A., Cleveland, Ohio. Snap-hook. No. 898,789; Sept. 15; Sp. p. 3099; Dr. p. 664; Gaz. vol. 136; p. 563.
- Schleicher, W. A., Cleveland, Ohio. Fifth-wheel clip attachment. No. 908,334; Dec. 29; Sp. p. 6426; Gaz. vol. 137; p. 2156.
- Schlichter, W. F., Spring City, Pa. Gas-engine. No. 893,268; July 14; Sp. p. 1780; Dr. p. 374; Gaz. vol. 135; p. 321.
- Schleifer, C. R., assignor to Excelsior Shoe & Slipper Company, Cedarburg, Wis. Shoe. No. 877,869; Jan. 28; Sp. p. 4429; Dr. p. 964; Gaz. vol. 132; p. 812.
- Schlemmer, G., New York, N. Y. Filter. No. 884,765; Apr. 14; Sp. p. 2264; Dr. p. 476; Gaz. vol. 133; p. 1579.
- Schlemmer, G. P., Ann Arbor, Mich. Textile fabric. No. 905,106; Nov. 24; Sp. p. 5290; Gaz. vol. 137; p. 942.
- Schlenk, L. G., Rockford, Ill. Rein-protector. No. 881,201; Mar. 10; Sp. p. 1403; Dr. p. 303; Gaz. vol. 133; p. 269.
- Schlenk, W., Munich, assignor to Firma of Chemische Fabriken, vorm. Weller-ter Meer, Uerdingen, Germany. Making indophenol-like condensation products. No. 895,689; Aug. 11; Sp. p. 1827; Gaz. vol. 135; p. 1220.
- Schlenter, J. G., Toledo, Ohio. Clothes-line fastener. No. 899,566; Sept. 29; Sp. p. 4594; Dr. p. 987; Gaz. vol. 136; p. 880.
- Schlesinger, A. (See Schlesinger, H.)
- Schlesinger, C., *et al.* (See Alexander, F., assignor.)
- Schlesinger, H., deceased; A. Schlesinger, administrator, Werdohl, Germany. Lathe. No. 908,146; Dec. 29; Sp. p. 6015; Gaz. vol. 137; p. 2091.
- Schleth, F., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Sighting-telescope. No. 886,647; May 5; Sp. p. 604; Dr. p. 125; Gaz. vol. 134; p. 105.
- Schley, G. B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Control system. No. 876,594; Jan. 14; Sp. p. 1858; Dr. p. 407; Gaz. vol. 132; p. 334.
- Schley, G. B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Controller. No. 886,733; May 5; Sp. p. 816; Dr. pp. 168-9; Gaz. vol. 134; p. 136.
- Schley, G. B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. System of motor control. No. 890,458; June 9; Sp. p. 2530; Dr. p. 560; Gaz. vol. 134; p. 1493.
- Schlichter, J. J. (See Young and Schlichter.)
- Schlickeyen, C. F., Steglitz, near Berlin, Germany. Clay press or mixer. No. 893,385; July 14; Sp. p. 1989; Dr. p. 417; Gaz. vol. 135; p. 359.
- Schlig, J., assignor to Schlig's Direct Drive, Chicago, Ill. Transmission-gearing. No. 907,181; Dec. 22; Sp. p. 3981; Gaz. vol. 137; p. 1739.
- Schlig, J., assignor to Schlig's Direct Drive, Chicago, Ill. Transmission system. No. 907,182; Dec. 22; Sp. p. 3986; Gaz. vol. 137; p. 1740.
- Schlig's Direct Drive. (See Schlig, J., assignor.)
- Schlink, H. F., *et al.* (See Carroll, W. N., assignor.)
- Schlomberg, R. J., New York, N. Y. Turbine-engine. No. 877,237; Jan. 21; Sp. p. 3206; Dr. p. 695; Gaz. vol. 132; p. 589.
- Schloss, H. (See Hagen, C. J., assignor.)
- Schloss, H. W., and H. Hawley, New York, N. Y., assignors to Castle Braid Company. Hat-pin. No. 896,253; Aug. 18; Sp. p. 2918; Dr. p. 628; Gaz. vol. 135; p. 1424.
- Schloss, J. W., New York, N. Y. Garment-supporter. No. 877,238; Jan. 21; Sp. p. 3208; Dr. p. 695; Gaz. vol. 132; p. 589.
- Schloss, M. W., New York, N. Y. Garment-clasp. No. 896,331; Aug. 18; Sp. p. 3091; Dr. p. 665; Gaz. vol. 135; p. 1449.
- Schlösser, C., and S. Knauss, Stuttgart, Germany. Means for illuminating advertisements and the like. No. 908,038; Dec. 29; Sp. p. 5799; Gaz. vol. 137; p. 2054.
- Schlösser, R. J., and H. R. Fisher, assignors to Piso Company, Warren, Pa. Bottle-corking machine. No. 905,005; Nov. 24; Sp. p. 5094; Gaz. vol. 137; p. 908.
- Schlueter, M. L., Chicago, Ill. Floor-surfacing machine. No. 882,847; Mar. 24; Sp. p. 4691; Dr. p. 998; Gaz. vol. 133; p. 866.
- Schlüter, T. Jr., Fordestdedt, near Magdeburg, Germany. Production of a digestible flour from bran. No. 897,854; Sept. 1; Sp. p. 1244; Gaz. vol. 136; p. 197.
- Schmahl, W. J., and T. H. Watts, Buffalo, N. Y. Car-door lock. No. 908,147; Dec. 29; Sp. p. 6018; Gaz. vol. 137; p. 2091.
- Schmaltz, P., assignor to De La Vergne Machine Company, New York, N. Y. Fluid-cooling apparatus. No. 877,520; Jan. 28; Sp. p. 3766; Dr. pp. 815-16; Gaz. vol. 132; p. 701.
- Schmelzeinger, J., *et al.* (See Riemer, W. L., assignor.)
- Schmerler, A. O. (See Seymour, W. S., assignor.)
- Schmertz, L. R., Jeannette, assignor, by mesne assignments, to Window Glass Machine Company, Pittsburg, Pa. Taking-down apparatus for glass cylinders. No. 890,306; June 9; Sp. p. 2262; Dr. pp. 498-9; Gaz. vol. 134; p. 1446.
- Schmick, H. J., Hamburg, Pr. Hoisting device. No. 879,679; Feb. 18; Sp. p. 3688; Dr. pp. 771-2; Gaz. vol. 132; p. 1506.
- Schmid, J., Toledo, Ohio. Removable closure for the openings of barrel-heads, &c. No. 896,668; Aug. 18; Sp. p. 3738; Dr. p. 805; Gaz. vol. 135; p. 1555.
- Schmid, J. V., assignor to Simplex Engineering Co., Philadelphia, Pa. Pipe-clamp. No. 908,335; Dec. 29; Sp. p. 6427; Gaz. vol. 137; p. 2156.
- Schmid, O., Fuerbach-Stuttgart, Germany. Machine for finishing and selvaging wire fabrics. No. 889,815; June 2; Sp. p. 1214; Dr. pp. 280-1; Gaz. vol. 134; p. 1256.
- Schmid, P., Basel, Switzerland. Ungumming raw silk. No. 895,112; Aug. 4; Sp. p. 681; Gaz. vol. 135; p. 1007.
- Schmid, P., Basel, Switzerland. Consolidated natural silk and making same. No. 897,159; Aug. 25; Sp. p. 4806; Gaz. vol. 135; p. 1743.
- Schmid-Roost, J., Oerlikon, near Zurich, Switzerland. Ball-bearing. No. 884,046; Apr. 7; Sp. p. 764; Dr. p. 159; Gaz. vol. 133; p. 1314.
- Schmidt, S., Brünn, Austria-Hungary. Seal-lock. No. 897,494; Sept. 1; Sp. p. 517; Dr. pp. 109-10; Gaz. vol. 136; p. 82.
- Schmidt, A., Indianapolis, Ind. Rotatable distributing-nozzle. No. 885,869; Apr. 28; Sp. p. 4527; Dr. p. 950; Gaz. vol. 133; p. 1996.
- Schmidt, A., Indianapolis, Ind. Distributing-nozzle. No. 889,972; June 9; Sp. p. 1547; Dr. p. 349; Gaz. vol. 134; p. 1335.
- Schmidt, A., Indianapolis, Ind. Rotary nozzle. No. 903,788; Nov. 10; Sp. p. 2511; Gaz. vol. 137; p. 439.
- Schmidt, A., assignor to Farberwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Dehydrating sodium hydro-sulfate. No. 892,186; June 30; Sp. p. 6088; Gaz. vol. 134; p. 2158.
- Schmidt, A., assignor to Farberwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Manufacture of indigo-white preparations suitable for fermentation-vats. No. 906,307; Dec. 8; Sp. p. 2337; Gaz. vol. 137; p. 1402.
- Schmidt, A., and E. Bryk, assignors to Farberwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Violet dye and making same. No. 877,743; Jan. 28; Sp. p. 4201; Gaz. vol. 132; p. 772.
- Schmidt, A., and E. Bryk, assignors to Farberwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Making vat-dyestuffs. No. 881,624; Mar. 10; Sp. p. 2267; Gaz. vol. 133; p. 408.
- Schmidt, A., and O. Schwab, assignors to Farberwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Making concentrated liquid dyestuffs. No. 901,746; Oct. 20; Sp. p. 3537; Gaz. vol. 136; p. 1686.
- Schmidt, A. G. A., assignor to National Equipment Company, Chicago, Ill. Derrick. No. 901,386; Oct. 20; Sp. p. 2755; Dr. pp. 561-2; Gaz. vol. 136; p. 1566.
- Schmidt, A. J. (See Gardner and Schmidt.)
- Schmidt, B. L., assignor to White Lily Manufacturing Company, Davenport, Iowa. Gearing for washing-machines. No. 902,174; Oct. 27; Sp. p. 4400; Dr. p. 892; Gaz. vol. 136; p. 1852.
- Schmidt, C., Dresden-Räcknitz, Germany. Flexible joint for piping. No. 896,163; Aug. 18; Sp. p. 2743; Dr. p. 590; Gaz. vol. 135; p. 1393.
- Schmidt, C., assignor to Peerless Motor Car Company, Cleveland, Ohio. Carbureter. No. 882,170; Mar. 17; Sp. p. 3388; Dr. p. 720; Gaz. vol. 133; p. 613.
- Schmidt, C., assignor to Peerless Motor Car Company, Cleveland, Ohio. Brake and clutch operating mechanism for automobiles. No. 883,835; Apr. 7; Sp. p. 330; Dr. p. 62; Gaz. vol. 133; p. 1244.
- Schmidt, C., assignor to Peerless Motor Car Company, Cleveland, Ohio. Lubricating system for motor-cars. No. 885,182; Apr. 21; Sp. p. 3120; Dr. p. 656; Gaz. vol. 133; p. 1744.
- Schmidt, C., assignor to Peerless Motor Car Company, Cleveland, Ohio. Automobile-radiator. No. 886,016; Apr. 28; Sp. p. 4856; Dr. p. 1021; Gaz. vol. 133; p. 2046.

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- Schmidt, C. G. A., Jr., New York, N. Y. Drive-chain. No. 881,493; Mar. 10; Sp. p. 1998; Dr. p. 436; Gaz. vol. 133; p. 363.
- Schmidt, C. G. A., Jr., New York, N. Y. Drive-chain. No. 891,189; June 16; Sp. p. 4028; Dr. p. 882; Gaz. vol. 134; p. 1765.
- Schmidt, C. H., Untertürkheim-Stuttgart, assignor to E. Scharrer, Cannstatt, Germany. Traction-wheel for motor-vehicles. No. 886,873; May 5; Sp. p. 1081; Dr. p. 227; Gaz. vol. 134; p. 178.
- Schmidt, C. R., Baltimore, Md. Effecting the closure of bottles. No. 901,651; Oct. 20; Sp. p. 3309; Dr. p. 680; Gaz. vol. 136; p. 1652.
- Schmidt, F., Indianapolis, Ind. Attachment for tape-lines. No. 882,022; Mar. 17; Sp. p. 3096; Dr. p. 659; Gaz. vol. 133; p. 564.
- Schmidt, F. G., assignor of one-half to E. H. Leitch, San Jose, Cal. Hydrocarbon-burner. No. 888,453; May 19; Sp. p. 4253; Dr. p. 901; Gaz. vol. 134; p. 753.
- Schmidt, F. M., Jacksonville, Fla. Combined waistband and fly-front. No. 876,099; Jan. 7; Sp. p. 805; Dr. p. 172; Gaz. vol. 132; p. 137.
- Schmidt, F. M., Jacksonville, Fla. Combined fan and fly-catcher. No. 884,213; Apr. 7; Sp. p. 1130; Dr. p. 237; Gaz. vol. 133; p. 1369.
- Schmidt, F. W., Philadelphia, Pa. Amusement novelty or theatrical device. No. 876,731; Jan. 14; Sp. p. 2136; Dr. p. 469; Gaz. vol. 132; p. 379.
- Schmidt, G., and J. F. Pfum, assignors to Cincinnati Butcher's Supply Company, Cincinnati, Ohio. Hog-hoist. No. 886,417; May 5; Sp. p. 154; Dr. p. 32; Gaz. vol. 134; p. 30.
- Schmidt, G. A., Chicago, Ill. Liquid-soap dispenser. No. 878,750; Feb. 11; Sp. p. 1812; Dr. p. 375; Gaz. vol. 132; p. 1165.
- Schmidt, H., Cologne, Germany. Producing poreless and well-adhering electrodeposits. No. 880,405; Feb. 25; Sp. p. 5182; Gaz. vol. 132; p. 1777.
- Schmidt, H., Baden, Germany. Sterilized catgut thread. No. 887,130; May 12; Sp. p. 1575; Gaz. vol. 134; p. 289.
- Schmidt, H. A., Milwaukee, Wis. Automatic fishing-tackle. No. 876,732; Jan. 14; Sp. p. 2137; Dr. p. 469; Gaz. vol. 132; p. 379.
- Schmidt, H. B., assignor to Joslin, Schmidt & Co., Cincinnati, Ohio. Manufacture of gray acetate of lime and wood-alcohol. No. 885,183; Apr. 21; Sp. p. 3122; Dr. p. 657; Gaz. vol. 133; p. 1745.
- Schmidt, H. E. O., Buffalo, N. Y. Grinding, sawing, and turning machine. No. 877,666; Jan. 28; Sp. p. 4064; Dr. p. 880; Gaz. vol. 132; p. 749.
- Schmidt, H. J., Brooklyn, N. Y. Cigarette-box. No. 893,551; July 14; Sp. p. 2373; Dr. p. 496; Gaz. vol. 135; p. 413.
- Schmidt, H. R. (See Zumstein and Schmidt.)
- Schmidt, J., Frankfurt-on-the-Main, Germany. Illuminating apparatus. No. 898,607; Sept. 15; Sp. p. 2752; Dr. p. 588; Gaz. vol. 136; p. 504.
- Schmidt, J. A., Buffalo, N. Y. Attachment for bit-braces. No. 890,801; June 16; Sp. p. 3280; Dr. p. 718; Gaz. vol. 134; p. 1641.
- Schmidt, J. B., Scribner, assignor of one-half to West Brothers, Wisner, Nebr. Speed-regulator for gas-engines. No. 899,265; Sept. 22; Sp. p. 4023; Dr. p. 859; Gaz. vol. 136; p. 746.
- Schmidt, J. H., *et al.* (See Andlauer, R., assignor.)
- Schmidt, J. O., Mönchsmaide, near Bautzen, Germany. Air-feeding grate for furnaces. No. 886,546; May 5; Sp. p. 402; Dr. p. 85; Gaz. vol. 134; p. 74.
- Schmidt, L. A., Chicago, Ill. Electrical register and system therefor. No. 876,595; Jan. 14; Sp. p. 1862; Dr. pp. 407-8; Gaz. vol. 132; p. 335.
- Schmidt, O., Berlin, Germany. Apparatus for the manufacture of hollow paper articles. No. 908,148; Dec. 29; Sp. p. 6020; Gaz. vol. 137; p. 2091.
- Schmidt, O., Berlin, Germany. Producing cylindrical receptacles of paper, pasteboard, and the like. No. 908,426; Dec. 29; Sp. p. 6621; Gaz. vol. 137; p. 2188.
- Schmidt, P., Dortmund, Germany. Car-coupling. No. 889,816; June 2; Sp. p. 1218; Dr. pp. 281-2; Gaz. vol. 134; p. 1257.
- Schmidt, P., and A. Desgraz, Hanover, Germany. Working gas-furnaces. No. 881,724; Mar. 10; Sp. p. 2454; Dr. pp. 528-9; Gaz. vol. 133; p. 437.
- Schmidt, P., and A. Desgraz, Hanover, Germany. Gas-producer. No. 903,112; Nov. 3; Sp. p. 1160; Gaz. vol. 137; p. 188.
- Schmidt, P., and A. Desgraz, Hanover, Germany. Soaking-pit. No. 903,510; Nov. 10; Sp. p. 1955; Gaz. vol. 137; p. 351.
- Schmidt, P., and A. Desgraz, Hanover, Germany. Ingot-heating furnace. No. 903,511; Nov. 10; Sp. p. 1956; Gaz. vol. 137; p. 351.
- Schmidt, P. F., Jersey City Heights, N. J. Non-refillable bottle. No. 897,934; Sept. 8; Sp. p. 1436; Dr. p. 307; Gaz. vol. 136; p. 257.
- Schmidt, W. (See Suhr, P., assignor.)
- Schmidt, W., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Winding for dynamo-electric machines. No. 885,184; Apr. 21; Sp. p. 3124; Dr. p. 657; Gaz. vol. 133; p. 1745.
- Schmidt, W., Frankfurt-on-the-Main, Germany, assignor to Cassella Color Company, New York, N. Y. Yellow sulfur dye and making same. No. 892,455; July 7; Sp. p. 129; Gaz. vol. 135; p. 26.
- Schmidt, W. A., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Writing-machine. No. 886,418; May 5; Sp. p. 157; Dr. pp. 32-3; Gaz. vol. 134; p. 31.
- Schmidt, W. C., Richmond, Va. Indicating-bottle. No. 883,672; Mar. 31; Sp. p. 6374; Dr. p. 1359; Gaz. vol. 133; p. 1162.
- Schmidt, W. C., Richmond, Va. Indicating-bottle. No. 891,956; June 30; Sp. p. 5662; Dr. p. 1219; Gaz. vol. 134; p. 2085.
- Schmidt, W. F., Hastings-upon-Hudson, N. Y. Saw-clamp. No. 897,788; Sept. 1; Sp. p. 1105; Dr. p. 237; Gaz. vol. 136; p. 177.
- Schmied, L., Prague, Austria-Hungary. Manufacture of brewers' pitch. No. 895,800; Aug. 11; Sp. p. 2059; Gaz. vol. 135; p. 1256.
- Schmiedel, R., Dresden, Germany. Liquid composition to be used in the manufacture of fancy stained papers. No. 882,916; Mar. 24; Sp. p. 4831; Gaz. vol. 133; p. 889.
- Schmieder, J. R., assignor, by mesne assignments, of one-half to W. W. Sterling, Cincinnati, Ohio. Clothes-drier. No. 879,799; Feb. 18; Sp. p. 3908; Dr. p. 819; Gaz. vol. 132; p. 1544.
- Schmit, F., Douglas, assignor of one-half to E. A. Tovrea, Bisbee, Ariz. Ter. Butchering-tool. No. 881,828; Mar. 10; Sp. p. 2651; Dr. p. 568; Gaz. vol. 133; p. 471.
- Schmitt, B., Brazil, N. D. Trap. No. 879,010; Feb. 11; Sp. p. 2305; Dr. pp. 481-2; Gaz. vol. 132; p. 1247.
- Schmitt, E. D., Brooklyn, assignor to Monarch Seal Company, New York, N. Y. Machine for applying bottle-seals. No. 880,406; Feb. 25; Sp. p. 5183; Dr. p. 1092; Gaz. vol. 132; p. 1778.
- Schmitt, E. D., Brooklyn, assignor to Monarch Seal Company, New York, N. Y. Machine for applying bottle-caps. No. 880,407; Feb. 25; Sp. p. 5184; Dr. p. 1093; Gaz. vol. 132; p. 1778.
- Schmitt, E. D., Brooklyn, assignor to Monarch Seal Company, New York, N. Y. Sealing-head for bottle-sealing machines. No. 880,408; Feb. 25; Sp. p. 5186; Dr. p. 1093; Gaz. vol. 132; p. 1778.
- Schmitt, E. D., Brooklyn, assignor to Monarch Seal Company, New York, N. Y. Sealing-head for bottle-sealing machines. No. 880,490; Feb. 25; Sp. p. 5371; Dr. p. 1131; Gaz. vol. 132; p. 1807.
- Schmitt, F., and J. W. Neumann, St. Louis, Mo.; said Neumann assignor to said Schmitt. Gas-machine. No. 906,940; Dec. 15; Sp. p. 3526; Gaz. vol. 137; p. 1627.
- Schmitt, J., Belfort, France, and E. Handschin, Masmünster, Germany. Dyeing and bleaching apparatus. No. 892,898; July 7; Sp. p. 1026; Dr. p. 215; Gaz. vol. 135; p. 170.
- Schmitt, J. M., Kinsley, Kans. Horse-detacher. No. 907,895; Dec. 29; Sp. p. 5498; Gaz. vol. 137; p. 2007.
- Schmitt, O., Davenport, Wash. Lunch-box. No. 898,143; Sept. 8; Sp. p. 1858; Dr. p. 397; Gaz. vol. 136; p. 323.
- Schmitt, W., Baltimore, Md. Wrench. No. 884,422; Apr. 14; Sp. p. 1517; Dr. p. 326; Gaz. vol. 133; p. 1465.
- Schmitt, W. H. (See Doyle and Schmitt.)
- Schmittner, F. J., Germania, Pa. Trip-stake and bolster for logging-cars. No. 900,040; Sept. 29; Sp. p. 5603; Dr. p. 1195; Gaz. vol. 136; p. 1033.
- Schmitz, A., Brussels, Belgium. Device for producing electrolytic metal-plating. No. 893,814; July 21; Sp. p. 2999; Dr. p. 614; Gaz. vol. 135; p. 531.
- Schmitz, E. L., New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Pencil. No. 903,509; Nov. 10; Sp. p. 1954; Gaz. vol. 137; p. 351.
- Schmitz, J., San Francisco, Cal. Object-receiver. No. 890,307; June 9; Sp. p. 2264; Dr. pp. 499-500; Gaz. vol. 134; p. 1447.
- Schmitz, J., San Francisco, Cal. Mail and baggage catcher. No. 905,593; Dec. 1; Sp. p. 969; Gaz. vol. 137; p. 1138.
- Schmitz, J., San Francisco, Cal. Track-sander. No. 906,308; Dec. 8; Sp. p. 2340; Gaz. vol. 137; p. 1402.
- Schmitz, W., Hamburg, Germany. Incandescent gas-burner. No. 877,667; Jan. 28; Sp. p. 4066; Dr. p. 880; Gaz. vol. 132; p. 749.
- Schmucker, A. P. (See Hampson, C. M., assignor.)
- Schmucker, A. P., Denver, Colo. Explosive-engine. No. 890,532; June 9; Sp. p. 2678; Dr. pp. 590-1; Gaz. vol. 134; p. 1518.
- Schmucker, A. P., Denver, Colo. Speed-regulating device. No. 890,533; June 9; Sp. p. 2682; Dr. pp. 591-2; Gaz. vol. 134; p. 1518.
- Schnaier, M., New York, N. Y. Disinfecting apparatus. No. 905,937; Dec. 8; Sp. p. 1627; Gaz. vol. 137; p. 1280.
- Schnebbe, D. W., Richmond Hill, N. Y. Fountain-pen. No. 889,973; June 9; Sp. p. 1548; Dr. p. 349; Gaz. vol. 134; p. 1335.
- Schneble, J. C., assignor of one-half to T. C. Schneble, Dayton, Ohio. Carburetor for internal-combustion engines. No. 889,487; June 2; Sp. p. 607; Dr. p. 142; Gaz. vol. 134; p. 1153.
- Schneble, T. C. (See Schneble, J. C., assignor.)
- Schneckloth, W. (See Wiese and Schneckloth.)
- Schnee, W. G., Kansas City, Mo. Crib attachment for bedsteads. No. 887,529; May 12; Sp. p. 2451; Dr. p. 517; Gaz. vol. 134; p. 422.
- Schneeloch, A., assignor to E. C. Stearns & Co., Syracuse, N. Y. Platen-operating mechanism. No. 903,512; Nov. 10; Sp. p. 1958; Gaz. vol. 137; p. 352.
- Schneible, J., Wechawken, N. J. Apparatus for the treatment of refractory water. No. 902,766; Nov. 3; Sp. p. 457; Gaz. vol. 137; p. 79.

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- Schneider, A., Chicago, Ill. Sealing-head for filling-tubes for liquids. No. 878,242; Feb. 4; Sp. p. 712; Dr. p. 146; Gaz. vol. 132; p. 963.
- Schneider, A., Chicago, Ill. Filling-tube for liquids. No. 878,243; Feb. 4; Sp. p. 717; Dr. p. 146; Gaz. vol. 132; p. 963.
- Schneider, A., Chicago, Ill. Filling-tube for liquids. No. 904,092; Nov. 17; Sp. p. 3157; Gaz. vol. 137; p. 573.
- Schneider, A. M., New York, N. Y. Skirt. No. 898,511; Sept. 15; Sp. p. 2565; Dr. p. 549; Gaz. vol. 136; p. 474.
- Schneider, B., Berlin, Germany. Odometer for use in connection with fare-indicators. No. 876,100; Jan. 7; Sp. p. 807; Dr. pp. 173-4; Gaz. vol. 132; p. 137.
- Schneider, B., Berlin, Germany. Fare-indicator. No. 901,263; Oct. 13; Sp. p. 2454; Dr. pp. 503-4; Gaz. vol. 136; p. 1487.
- Schneider, B., Berlin, Germany. Fare indicator and register for vehicles. No. 902,332; Oct. 27; Sp. p. 4751; Dr. pp. 958-9; Gaz. vol. 136; p. 1904.
- Schneider, C., Jersey City Heights, N. J. Extension-roll for silk and other looms. No. 898,270; Sept. 8; Sp. p. 2093; Dr. p. 445; Gaz. vol. 136; p. 362.
- Schneider, C., Boulder, Colo. Door-step. No. 903,409; Nov. 10; Sp. p. 1729; Gaz. vol. 137; p. 316.
- Schneider, C. F. (See Allen, J. M., assignor.)
- Schneider, C. P. E., Le Creusot, France. Breech-operating mechanism for ordnance. No. 896,669; Aug. 18; Sp. p. 3739; Dr. pp. 805-6; Gaz. vol. 135; p. 1555.
- Schneider, C. P. E., Le Creusot, and E. Rimailho, Neuilly-sur-Seine, France. Gun-carriage for recoiling guns. No. 877,521; Jan. 28; Sp. p. 3771; Dr. p. 816; Gaz. vol. 132; p. 702.
- Schneider, C. P. E., Le Creusot, and E. Rimailho, Neuilly-sur-Seine, France. Folding observatory applicable for use in connection with military and other operations. No. 892,686; July 7; Sp. p. 570; Dr. p. 121; Gaz. vol. 135; p. 101.
- Schneider, E., Le Creusot, France. Firing mechanism of ordnance. No. 883,576; Mar. 31; Sp. p. 6184; Dr. pp. 1315-17; Gaz. vol. 133; p. 1132.
- Schneider, E., Le Creusot, France. Carriage for ships' guns of small and medium caliber. No. 903,324; Nov. 10; Sp. p. 1569; Gaz. vol. 137; p. 289.
- Schneider, E., Le Creusot, France. Reducing-valve for compressed-fluid motors. No. 903,325; Nov. 10; Sp. p. 1571; Gaz. vol. 137; p. 290.
- Schneider, E., Le Creusot, France. Automatic immersion-regulator for submarines and torpedoes. No. 904,093; Nov. 17; Sp. p. 3162; Gaz. vol. 137; p. 573.
- Schneider, E. A., Custer, Okla. Match-safe. No. 897,789; Sept. 1; Sp. p. 1106; Dr. p. 237; Gaz. vol. 136; p. 177.
- Schneider, F., Cincinnati, Ohio. Drill-press chuck. No. 893,875; July 21; Sp. p. 3126; Dr. p. 642; Gaz. vol. 135; p. 550.
- Schneider, F., and G. B. Conrath, Erie, Pa. Engine. No. 899,625; Sept. 29; Sp. p. 4723; Dr. pp. 1011-13; Gaz. vol. 136; p. 899.
- Schneider, F. G., and W. C. L. Ziehn, Chicago, Ill. Beverage cooling and dispensing apparatus. No. 902,333; Oct. 27; Sp. p. 4753; Dr. p. 959; Gaz. vol. 136; p. 1905.
- Schneider, G., assignor of one-half to L. A. Ferrandini, Baltimore, Md. Mechanism for shifting stage-scenery in theaters. No. 884,214; Apr. 7; Sp. p. 1131; Dr. p. 237; Gaz. vol. 133; p. 1369.
- Schneider, G. C., *et al.* (See Stein, P. F., assignor.)
- Schneider, H., Aktiengesellschaft. (See Hennig, C., assignor.)
- Schneider Manufacturing Company of New Jersey. (See Schneider, W. E., assignor.)
- Schneider, R., Allegheny, Pa. Combined billiard and pool table. No. 895,110; Aug. 4; Sp. p. 677; Dr. p. 141; Gaz. vol. 135; p. 1006.
- Schneider, R., Sharon, Pa. Steam-condensing and feed-water-heating plant. (Reissue.) No. 12,868; Oct. 20; Sp. p. 3906; Dr. p. 797; Gaz. vol. 136; p. 1748.
- Schneider, R., and P. G. Roesti, Milwaukee, Wis. Releasing-gear for engines. No. 885,870; Apr. 28; Sp. p. 4529; Dr. p. 950; Gaz. vol. 133; p. 1996.
- Schneider, R. F., New York, assignor to C. J. Tagliabue, Brooklyn, N. Y. Clinical-thermometer attachment. No. 875,742; Jan. 7; Sp. p. 126; Dr. p. 28; Gaz. vol. 132; p. 25.
- Schneider, S., Charlottenburg, Germany. Ball-guiding casing. No. 877,129; Jan. 21; Sp. p. 2980; Dr. p. 644; Gaz. vol. 132; p. 551.
- Schneider, W. E., Washington, D. C., assignor to Schneider Manufacturing Company of New Jersey. Vehicle-wheel. No. 878,158; Feb. 4; Sp. p. 521; Dr. p. 112; Gaz. vol. 132; p. 935.
- Schneider, W. F., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Fluid-pressure system. No. 903,892; Nov. 17; Sp. p. 2746; Gaz. vol. 137; p. 507.
- Schneiderwind, J. (See Huber, A., assignor.)
- Schnek, H. (See Wahle, O., assignor.)
- Schneibach, H. A., Crafton, Pa., assignor to Macbeth-Evans Glass Company. Glass-molding machine. No. 892,089; June 30; Sp. p. 5887; Dr. p. 1267; Gaz. vol. 134; p. 2125.
- Schnell, F., Guttenstein, Austria-Hungary. Wood substitute. No. 900,686; Oct. 6; Sp. p. 1325; Gaz. vol. 136; p. 1276.
- Schnell, G. V., Troy, Ohio. Hood for emery polishing or buffing wheels. No. 880,695; Mar. 3; Sp. p. 401; Dr. p. 87; Gaz. vol. 133; p. 72.
- Schnelle, H. G., Blanchester, Ohio. Suspenders. No. 907,896; Dec. 29; Sp. p. 5499; Gaz. vol. 137; p. 2008.
- Schnelle, H. G., Blanchester, Ohio. Suspenders for overalls. No. 907,897; Dec. 29; Sp. p. 5500; Gaz. vol. 137; p. 2008.
- Schneller, A., Ginneken, near Breda, Netherlands, assignor to P. Thompson, East Orange, N. J. Apparatus for producing electric discharges through gases. No. 886,874; May 5; Sp. p. 1083; Dr. p. 227; Gaz. vol. 134; p. 178.
- Schneller, F. O., Munich, Germany. Set for tramway-rail channels. No. 883,052; Mar. 24; Sp. p. 5082; Dr. p. 1084; Gaz. vol. 133; p. 933.
- Schnicke, O., Orlean Center, Mich. Machine for destroying potato-bugs. No. 906,068; Dec. 8; Sp. p. 1873; Gaz. vol. 137; p. 1321.
- Schnitzler, H., Chelsea, Mass. Ash-sifter. No. 904,282; Nov. 17; Sp. p. 3592; Gaz. vol. 137; p. 640.
- Schnitzspahn, K., Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Mordant azo dye and making same. No. 887,348; May 12; Sp. p. 2067; Gaz. vol. 134; p. 362.
- Schnorbach, P. P. (See Weir, R., assignor.)
- Schnurg, L. J. B., Saginaw, Mich. Stovepipe-drum. No. 898,932; Sept. 15; Sp. p. 3352; Dr. pp. 719-20; Gaz. vol. 136; p. 610.
- Schobert, H. A. C., Stamford Hill, London, England. Air-rifle and the like. No. 906,309; Dec. 8; Sp. p. 2341; Gaz. vol. 137; p. 14C2.
- Schöbe, O., Halle-on-the-Saale, Germany. Grinding-tongs for spiral drills. No. 891,738; June 23; Sp. p. 5188; Dr. p. 1121; Gaz. vol. 134; p. 1979.
- Schodde, G. W., assignor to Brayman Manufacturing Company, New York, N. Y. Gutter. No. 888,753; May 26; Sp. p. 4868; Dr. p. 1037; Gaz. vol. 134; p. 883.
- Schodde, G. W., assignor to Brayman Manufacturing Company, New York, N. Y. Cesspool. No. 889,051; May 26; Sp. p. 5483; Dr. p. 1166; Gaz. vol. 134; p. 980.
- Schoeller, G. A., Mulheim-on-the-Ruhr, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Apparatus for adjusting elevation of guns. No. 886,648; May 5; Sp. p. 606; Dr. p. 126; Gaz. vol. 134; p. 105.
- Schoen, C. T. (See Loss, H. V., assignor.)
- Schoen, C. T., Moylan, assignor, by mesne assignments, to Carnegie Steel Company, Pittsburg, Pa. Making metal wheels. No. 903,010; Nov. 3; Sp. p. 968; Gaz. vol. 137; p. 160.
- Schoen, H. J., Brooklyn, N. Y. Safety attachment for gas-burners. No. 902,917; Nov. 3; Sp. p. 776; Gaz. vol. 137; p. 128.
- Schoen, P., Pittsburg, Pa. Grate. No. 902,611; Nov. 3; Sp. p. 164; Gaz. vol. 137; p. 27.
- Schoenbeck, F., Leipzig, Germany. Production of tooth-cement. No. 897,160; Aug. 25; Sp. p. 4807; Gaz. vol. 135; p. 1743.
- Schoenberg, R. A. (See Klein, C. J., assignor.)
- Schoenberger, H. N., *et al.* (See Dyer, C. A., assignor.)
- Schoenborn, G. C., and C. I. Overton, assignors to Winkley Company, Detroit, Mich. Machine for fluting metals. No. 893,018; July 14; Sp. p. 1288; Dr. p. 271; Gaz. vol. 135; p. 240.
- Schoenfeld, W. (See Paulson, C. J., assignor.)
- Schoenhut, A., Philadelphia, Pa. Toy. No. 907,092; Dec. 15; Sp. p. 3787; Gaz. vol. 137; p. 1674.
- Schoening, C. J., assignor of one-third to G. P. Cooke, Honolulu, Hawaii. Steering-gear. No. 887,701; May 12; Sp. p. 2760; Dr. p. 583; Gaz. vol. 134; p. 478.
- Schoenmehl, C. B., Waterbury, Conn. Battery cover and element support. No. 886,649; May 5; Sp. p. 607; Dr. p. 126; Gaz. vol. 134; p. 106.
- Schoenmehl, C. B., Waterbury, Conn. Battery cover and element support. No. 886,650; May 5; Sp. p. 608; Dr. p. 127; Gaz. vol. 134; p. 106.
- Schoenmehl, C. B., Waterbury, Conn. Negative element for primary batteries. No. 886,651; May 5; Sp. p. 610; Dr. p. 127; Gaz. vol. 134; p. 106.
- Schoenmehl, C. B., Waterbury, Conn. Electric battery. No. 886,652; May 5; Sp. p. 611; Dr. p. 127; Gaz. vol. 134; p. 106.
- Schoenmehl, C. B., Waterbury, Conn. Primary battery. No. 888,407; May 19; Sp. p. 4155; Dr. p. 878; Gaz. vol. 134; p. 737.
- Schoenner, G., Nuremberg, Germany. Compass-head. No. 877,239; Jan. 21; Sp. p. 3209; Dr. p. 695; Gaz. vol. 132; p. 590.
- Schoenner, G., Nuremberg, Germany. Compasses. No. 882,171; Mar. 17; Sp. p. 3391; Dr. p. 720; Gaz. vol. 133; p. 613.
- Schoenner, G., Nuremberg, Germany. Drawing-pen. No. 882,172; Mar. 17; Sp. p. 3391; Dr. p. 721; Gaz. vol. 133; p. 613.
- Schoenner, G., Nuremberg, Germany. Drawing-pen. No. 891,104; June 16; Sp. p. 3871; Dr. p. 846; Gaz. vol. 134; p. 1738.
- Schoenner, G., Nuremberg, Germany. Drawing-compasses. No. 902,257; Oct. 27; Sp. p. 4566; Dr. p. 927; Gaz. vol. 136; p. 1878.

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 Schoepfner, F. C. (See Bernhard and Schoepfner.)
 Schofield, C. (See Woll and Schofield.)
 Schofield, C., Philadelphia, Pa. Fiber-cleaning machine. No. 881,445; Mar. 10; Sp. p. 1901; Dr. p. 414; Gaz. vol. 133; p. 347.
 Schofield, G. K., *et al.* (See Reed, F. M., assignor.)
 Schofield, H., Sheffield, England. Grate for the furnaces of steam-boilers. No. 899,910; Sept. 29; Sp. p. 5304; Dr. p. 1134; Gaz. vol. 136; p. 990.
 Schofield, J. A. (See Caswell and Schofield.)
 Schofield, J. A. (See Oldfield and Schofield.)
 Schofield, J. M. (See Flatau, L. S., assignor.)
 Schofield, R., New Bedford, Mass. Skewer and bearing therefor. No. 881,202; Mar. 10; Sp. p. 1404; Dr. p. 304; Gaz. vol. 133; p. 269.
 Scholes, A. G., Ilford, and G. Gibson, Westminster, England. Water-injector for internal-combustion engines. No. 891,638; June 23; Sp. p. 4992; Dr. p. 1076; Gaz. vol. 134; p. 1946.
 Scholes, D. R. (See Noyes and Scholes.)
 Scholes, D. R., assignor to Aermotor Company, Chicago, Ill. Transmission-tower. No. 876,596; Jan. 14; Sp. p. 1870; Dr. p. 409; Gaz. vol. 132; p. 335.
 Scholl, W. M., Chicago, Ill. Instep-arch support. No. 880,245; Feb. 25; Sp. p. 4863; Dr. p. 1029; Gaz. vol. 132; p. 1725.
 Scholl, W. M., Chicago, Ill. Instep-arch support. No. 896,859; Aug. 25; Sp. p. 4171; Dr. p. 893; Gaz. vol. 135; p. 1644.
 Schollenberger, E. M., assignor of one-half to A. C. Berwanger, Chicago, Ill. Combined trolley-wheel and sleet-cutter. No. 882,717; Mar. 24; Sp. p. 4426; Dr. p. 940; Gaz. vol. 133; p. 824.
 Scholz, H., assignor to B. Gratz, Berlin, Germany. Preparing india-rubber for vulcanization. No. 891,866; June 30; Sp. p. 526; Gaz. vol. 134; p. 2055.
 Scholz, S. B., Colorado Springs, Colo. Fastening device for gates and doors. No. 892,456; July 7; Sp. p. 130; Dr. p. 28; Gaz. vol. 135; p. 26.
 Schomber, L. M., Shirley, Ind. Dish-drying rack. No. 901,747; Oct. 20; Sp. p. 3540; Dr. p. 716; Gaz. vol. 136; p. 1686.
 Schomburg, W. F. (See Bender and Schomburg.)
 Schön, L., Vienna, Austria-Hungary. Safety device for the mouths of vessels containing volatile combustible liquids. No. 899,911; Sept. 29; Sp. p. 5305; Dr. p. 1134; Gaz. vol. 136; p. 991.
 Schöning, A., Hildesheim, Germany. Clothes-hanging clip. No. 894,908; Aug. 4; Sp. p. 242; Dr. p. 52; Gaz. vol. 135; p. 937.
 Schönlau, J. F., and G. R. Heinrich, St. Louis, Mo. Rail-joint. No. 904,812; Nov. 24; Sp. p. 4699; Gaz. vol. 137; p. 844.
 Schoop, J., Springfield, Wis. Roller for watches. No. 901,487; Oct. 20; Sp. p. 2993; Dr. p. 610; Gaz. vol. 136; p. 1600.
 Schoop, P., Nuremberg, Germany. Carbon electrode for electrical bleaching apparatus. No. 880,579; Mar. 3; Sp. p. 184; Dr. p. 40; Gaz. vol. 133; p. 33.
 Schopf, A. B., assignor to Barry Chocolate Co., Inc., Philadelphia, Pa. Candy-package. No. 906,941; Dec. 15; Sp. p. 3528; Gaz. vol. 137; p. 1628.
 Schorndorfer, H. L., *et al.* (See Zerkowit, O., assignor.)
 Schorr, R., San Francisco, Cal. Continuous filter. No. 893,104; July 14; Sp. p. 1449; Dr. p. 306; Gaz. vol. 135; p. 267.
 Schossow, F. A., Detroit, Mich. Joint for wood members. No. 883,489; Mar. 31; Sp. p. 6014; Dr. p. 1284; Gaz. vol. 133; p. 1108.
 Schotten, J. J., St. Louis, Mo. Machine for pasting and folding cartons. No. 877,744; Jan. 28; Sp. p. 4202; Dr. p. 910; Gaz. vol. 132; p. 772.
 Schottlander, M., New York, N. Y. Corset. No. 882,425; Mar. 17; Sp. p. 3839; Dr. p. 820; Gaz. vol. 133; p. 694.
 Schou, E. (See Schou, H. H. and E.)
 Schou, H. H., Copenhagen, Denmark, and E. Schou, London, England. Manufacturing butterin. No. 904,231; Nov. 17; Sp. p. 3474; Gaz. vol. 137; p. 623.
 Schou, W., Copenhagen, Denmark, and H. Busse, Berlin, Germany. Machine for pinning leather on soles of wood. No. 884,215; Apr. 7; Sp. p. 1133; Dr. p. 238; Gaz. vol. 133; p. 1370.
 Schouboe, J. P. (See Wonsmos and Schouboe.)
 Schrader, G. F., assignor of two-thirds to M. B. Miller and B. Duffy, Saranac Lake, N. Y. Refrigerator. No. 897,227; Aug. 25; Sp. p. 4955; Dr. p. 1052; Gaz. vol. 135; p. 1764.
 Schrader, O. R., San Francisco, Cal. Sidewalk-door. No. 879,200; Feb. 18; Sp. p. 2690; Dr. p. 561; Gaz. vol. 132; p. 1349.
 Schrafft, A. (See Tabor, C. D., assignor.)
 Schram, L., and D. Kies, Chicago, Ill.; said Kies assignor to said Schram. Music-cabinet. No. 886,017; Apr. 28; Sp. p. 4857; Dr. p. 1021; Gaz. vol. 133; p. 2046.
 Schram, L., and D. Kies, Chicago, Ill.; said Kies assignor to said Schram. Desk. No. 907,533; Dec. 22; Sp. p. 4702; Gaz. vol. 137; p. 1859.
 Schramm, A. W., Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Water-heater. No. 883,490; Mar. 31; Sp. p. 6015; Dr. p. 1285; Gaz. vol. 133; p. 1108.
 Schramm, A. W., Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Wrist-joint for dental engines. No. 908,336; Dec. 29; Sp. p. 6430; Gaz. vol. 137; p. 2157.
 Schramm, L. P., Toledo, Ohio. Rail-splice. No. 892,313; June 30; Sp. p. 6328; Dr. p. 1362; Gaz. vol. 134; p. 2200.
 Schramm, L. P., Toledo, Ohio. Nut-lock. No. 895,207; Aug. 4; Sp. p. 872; Dr. p. 183; Gaz. vol. 135; p. 1039.
 Schramm, P., Alameda, and I. E. Wise, Wallace, Cal. Valve for explosive-engines. No. 896,254; Aug. 18; Sp. p. 2919; Dr. pp. 628-9; Gaz. vol. 135; p. 1424.
 Schramm, W., and F. Becker, New York, N. Y. Heating apparatus. No. 876,495; Jan. 14; Sp. p. 1637; Dr. p. 355; Gaz. vol. 132; p. 299.
 Schraube, C., and E. Laudien, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Celluloid-like substance. No. 892,899; July 7; Sp. p. 1027; Gaz. vol. 135; p. 170.
 Schraube, C., and E. Laudien, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Polychloramidin and making same. No. 892,900; July 7; Sp. p. 1028; Gaz. vol. 135; p. 170.
 Schraudner, F., assignor to Gus V. Brecht Butcher Supply Company, St. Louis, Mo. Device for clamping bar-hooks. No. 895,047; Aug. 4; Sp. p. 548; Dr. p. 112; Gaz. vol. 135; p. 984.
 Schreiber, K. E., Greifswald, Germany. Working explosive-engines. No. 898,512; Sept. 15; Sp. p. 2566; Dr. p. 549; Gaz. vol. 136; p. 474.
 Schreck, M., Sr., Cincinnati, Ohio. Drier-conveyer for white lead. No. 900,787; Oct. 13; Sp. p. 1528; Dr. p. 311; Gaz. vol. 136; p. 1334.
 Schreiber, C., Chicago, Ill. Ellipsograph. No. 905,107; Nov. 24; Sp. p. 5291; Gaz. vol. 137; p. 942.
 Schreiber, C. W. (See Jecklin and Schreiber.)
 Schreiber, E. G., Hammond, Ind. Potato-digger. No. 906,567; Dec. 15; Sp. p. 2809; Gaz. vol. 137; p. 1509.
 Schreiber, J., Jersey City, N. J. Truck. No. 878,751; Feb. 11; Sp. p. 1813; Dr. p. 375; Gaz. vol. 132; p. 1165.
 Schreiber, W., Munich, Germany. Underground system of laying electrical conductors. No. 876,241; Jan. 7; Sp. p. 1077; Dr. pp. 234-5; Gaz. vol. 132; p. 183.
 Schreidt, F. (See Thompson, G., assignor.)
 Schreidt, F., Mansfield, Ohio. Fishing-reel. No. 889,974; June 9; Sp. p. 1550; Dr. pp. 349-50; Gaz. vol. 134; p. 1335.
 Schreidt, F., Mansfield, Ohio. Relief-valve. No. 896,468; Aug. 18; Sp. p. 3364; Dr. p. 725; Gaz. vol. 135; p. 1493.
 Schreiter, C. W., Wimbledon, N. D. Halter. No. 896,164; Aug. 18; Sp. p. 2744; Dr. p. 591; Gaz. vol. 135; p. 1303.
 Schrepfer, G., St. Louis, Mo. Combined hitching and releasing mechanism for animals. No. 895,809; Aug. 4; Sp. p. 1088; Dr. p. 228; Gaz. vol. 135; p. 1073.
 Schretter, E. J. (See Ryerson and Schretter.)
 Schreuder, J. G., Edgewood Park, Pa., and V. K. Spicer, Chicago, Ill., assignors to Union Switch & Signal Company, Swissvale, Pa. Apparatus for automatically controlling the speed of trains. No. 903,410; Nov. 10; Sp. p. 1730; Gaz. vol. 137; p. 316.
 Schreuder, J. G., Edgewood Park, Pa., and V. K. Spicer, Chicago, Ill., assignors to Union Switch & Signal Company, Swissvale, Pa. Apparatus for automatically controlling the speed of trains. No. 903,411; Nov. 10; Sp. p. 1735; Gaz. vol. 137; p. 317.
 Schreuder, J. G., Edgewood Park, Pa., and V. K. Spicer, Chicago, Ill., assignors to Union Switch & Signal Company, Swissvale, Pa. Apparatus for automatically controlling the speed of trains. No. 903,412; Nov. 10; Sp. p. 1738; Gaz. vol. 137; p. 317.
 Schreuder, J. G., Edgewood Park, Pa., and V. K. Spicer, Chicago, Ill., assignors to Union Switch & Signal Company, Swissvale, Pa. Apparatus for automatically controlling the speed of trains. No. 903,413; Nov. 10; Sp. p. 1740; Gaz. vol. 137; p. 317.
 Schreuder, J. G., Edgewood Park, Pa., and V. K. Spicer, Chicago, Ill., assignors to Union Switch & Signal Company, Swissvale, Pa. Combined signal and speed-controlling mechanism for railway-trains. No. 903,414; Nov. 10; Sp. p. 1742; Gaz. vol. 137; p. 318.
 Schreuder, J. G., Edgewood Park, Pa., and V. K. Spicer, Chicago, Ill., assignors to Union Switch & Signal Company, Swissvale, Pa. Combined signal and speed-controlling mechanism for railway-trains. No. 903,415; Nov. 10; Sp. p. 1745; Gaz. vol. 137; p. 318.
 Schreuder, J. G., Edgewood Park, Pa., and V. K. Spicer, Chicago, Ill., assignors to Union Switch & Signal Company, Swissvale, Pa. Apparatus for automatically controlling the speed of trains. No. 903,416; Nov. 10; Sp. p. 1749; Gaz. vol. 137; p. 319.
 Schreuder, J. G., Edgewood Park, Pa., and V. K. Spicer, Chicago, Ill., assignors to Union Switch & Signal Company, Swissvale, Pa. Apparatus for automatically controlling the speed of trains. No. 903,417; Nov. 10; Sp. p. 1750; Gaz. vol. 137; p. 319.
 Schreurs, G. W., Muscatine, Iowa. Button-blank-cutting machine. No. 882,426; Mar. 17; Sp. p. 3840; Dr. p. 820; Gaz. vol. 133; p. 695.
 Schriener, E. G., Cincinnati, Ohio. Extensible case. No. 892,187; June 30; Sp. p. 6088; Dr. p. 1309; Gaz. vol. 134; p. 2158.
 Schriever, J. F., *et al.* (See Aeschlimann, A. E., assignor.)

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- Schrivver, F. R., Wilkinsburg, Pa. Jar-lid clamp. No. 897,790; Sept. 1; Sp. p. 1107; Dr. p. 237; Gaz. vol. 136; p. 177.
- Schrivver, O. P., Fort Thomas, Ky., and J. M. Webster, assignors to O. P. Schrivver & Co., Cincinnati, Ohio. Barrel-truck. No. 879,914; Feb. 25; Sp. p. 4207; Dr. p. 878; Gaz. vol. 132; p. 1617.
- Schroeder, B. F. (See Holt, C. D., assignor.)
- Schroeder, B. F., et al. (See Stubblefield, N. B., assignor.)
- Schroeder, E. J., Hamilton, Ohio. Molding-machine. No. 879,915; Feb. 25; Sp. p. 4208; Dr. p. 878; Gaz. vol. 132; p. 1617.
- Schröder, H., New York, N. Y. Phonograph. No. 884,216; Apr. 7; Sp. p. 1136; Dr. p. 239; Gaz. vol. 133; p. 1370.
- Schröder, H., New York, N. Y. Phonograph-horn. No. 890,534; June 9; Sp. p. 2686; Dr. p. 592; Gaz. vol. 134; p. 1519.
- Schröder, H., New York, N. Y. Feed mechanism for phonographs. No. 891,378; June 23; Sp. p. 4449; Dr. p. 969; Gaz. vol. 134; p. 1860.
- Schröder, H., New York, N. Y. Phonograph. No. 895,900; Aug. 11; Sp. p. 2245; Dr. p. 479; Gaz. vol. 135; p. 1287.
- Schroder, N., New York, N. Y. Pasting-machine. No. 879,329; Feb. 18; Sp. p. 2937; Dr. pp. 612-13; Gaz. vol. 132; p. 1392.
- Schroeder, A. C., Pomeroy, Iowa. Fastening for car-doors. No. 895,690; Aug. 11; Sp. p. 1828; Dr. p. 389; Gaz. vol. 135; p. 1220.
- Schroeder, F. J. (See Wigand and Schroeder.)
- Schroeder, F. W., Bridgeport, Conn., assignor to Roteng Engineering Corporation, New York, N. Y. Fluid or water jacket connection. No. 888,658; May 26; Sp. p. 4688; Dr. pp. 996-7; Gaz. vol. 134; p. 854.
- Schroeder, G. G. (See Davy, O. J., assignor.)
- Schroeder, G. G., Washington, D. C., assignor to Farm Motor Company. Motor-vehicle. No. 880,759; Mar. 3; Sp. p. 547; Dr. pp. 114-16; Gaz. vol. 133; p. 94.
- Schroeder, J., assignor to Firm of Berliner Stickmaschinen-Fabrik Schirmer Blau & Co., Berlin, Germany. Crank stitching-machine. No. 894,401; July 28; Sp. p. 4244; Dr. p. 875; Gaz. vol. 135; p. 744.
- Schroeder, M. P. H., Chicago, Ill. Work-holder. No. 877,522; Jan. 28; Sp. p. 3773; Dr. p. 817; Gaz. vol. 132; p. 702.
- Schroetter, O. von, Kruppamühle, Upper Silesia, Germany. Explosive. No. 908,149; Dec. 29; Sp. p. 6021; Gaz. vol. 137; p. 2092.
- Schroyer, H. H., Chicago, Ill. Curtain-fixture. No. 882,082; Mar. 17; Sp. p. 3214; Dr. pp. 682-3; Gaz. vol. 133; p. 585.
- Schroyer, H. H., Chicago, Ill. Car-vestibule diaphragm. No. 903,893; Nov. 17; Sp. p. 2749; Gaz. vol. 137; p. 507.
- Schroyer, H. H., Chicago, Ill. Car-vestibulecurtain. No. 906,824; Dec. 15; Sp. p. 3293; Gaz. vol. 137; p. 1591.
- Schrum, G. D. (See Rast and Schrum.)
- Schrum, G. D., assignor, by mesne assignments, to Universal Salesman Co., Detroit, Mich. Vending-machine. No. 892,687; July 7; Sp. p. 572; Dr. pp. 121-3; Gaz. vol. 135; p. 101.
- Schrum, G. D., assignor, by mesne assignments, to Universal Salesman Co., Detroit, Mich. Vending-machine. No. 892,688; July 7; Sp. p. 577; Dr. pp. 123-5; Gaz. vol. 135; p. 101.
- Schryer, P. F., and D. C. Stover, assignors to Stover Engine Works, Freeport, Ill. Internal-combustion engine. No. 877,378; Jan. 21; Sp. p. 3474; Dr. p. 754; Gaz. vol. 132; p. 633.
- Schtabe, F., Brooklyn, N. Y. Level. No. 903,011; Nov. 3; Sp. p. 971; Gaz. vol. 137; p. 160.
- Schubardt, R., Berlin, Germany. Device for the production of medicinal baths. No. 908,150; Dec. 29; Sp. p. 6022; Gaz. vol. 137; p. 2092.
- Schubert, A., Chicago, Ill. Wrench. No. 903,894; Nov. 17; Sp. p. 2752; Gaz. vol. 137; p. 507.
- Schubert, G., Fort Worth, Tex. Conveyor. No. 884,618; Apr. 14; Sp. p. 1920; Dr. p. 412; Gaz. vol. 133; p. 1529.
- Schubert, G., Fort Worth, Tex. Self-feeding hay-press. (Reissue.) No. 12,847; Aug. 25; Sp. p. 5140; Dr. p. 1071; Gaz. vol. 135; p. 1782.
- Schubert, G., Fort Worth, Tex. Safety device or saw-guard. No. 899,567; Sept. 29; Sp. p. 4595; Dr. p. 987; Gaz. vol. 136; p. 880.
- Schubert, G. H., Reno, Nev. Rack. No. 894,706; July 28; Sp. p. 4838; Dr. p. 1005; Gaz. vol. 135; p. 844.
- Schubert, H., New York, N. Y. Oven. No. 902,175; Oct. 27; Sp. p. 4402; Dr. pp. 892-3; Gaz. vol. 136; p. 1852.
- Schubert, O., Charlottenburg, Germany. Cowl. No. 891,957; June 30; Sp. p. 5664; Dr. p. 1220; Gaz. vol. 134; p. 2085.
- Schubert, P., Berlin, Germany, assignor to General Electric Company. Current-transformer. No. 895,801; Aug. 11; Sp. p. 2060; Dr. p. 437; Gaz. vol. 135; p. 1256.
- Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Firm of. (See Heinitz, W. R., assignor.)
- Schuckman, I., Garden City, Kans. Beet-cultivator. No. 901,387; Oct. 20; Sp. p. 2759; Dr. p. 562; Gaz. vol. 136; p. 1567.
- Schuenke, C. G. F. (See Schwantes and Schuenke.)
- Schuermann, A. (See Mueller and Schuermann.)
- Schuermann, A., assignor to H. Mueller Manufacturing Company, Decatur, Ill. Roller-bearing for self-closing liquid shut-offs. No. 900,598; Oct. 6; Sp. p. 1120; Dr. p. 229; Gaz. vol. 136; p. 1246.
- Schuessler, H., Peru, Ill. Laughing-mirror. No. 884,217; Apr. 7; Sp. p. 1138; Dr. p. 239; Gaz. vol. 133; p. 1371.
- Schuetz, G. E., West Hoboken, N. J. Automatic draft-controller. No. 880,924; Mar. 3; Sp. p. 890; Dr. p. 192; Gaz. vol. 133; p. 150.
- Schuff, H. L., Marietta, Ohio. Piano-bench. No. 888,754; May 26; Sp. p. 4870; Dr. p. 1038; Gaz. vol. 134; p. 883.
- Schuhmann, O., Siegburg, Germany. Single-wheel cycle, (monocycle.) No. 903,789; Nov. 10; Sp. p. 2513; Gaz. vol. 137; p. 439.
- Schuld, F. G., assignor of one-half to Herzog Iron Works, St. Paul, Minn. Door-movement regulator. No. 885,534; Apr. 21; Sp. p. 3845; Dr. pp. 803-4; Gaz. vol. 133; p. 1853.
- Schuler, D., assignor to Spiella Company, Meadville, Pa. Garment-stay. No. 892,689; July 7; Sp. p. 582; Dr. p. 125; Gaz. vol. 135; p. 102.
- Schuler, O., and R. Glaser, Paterson, N. J. Reeding-machine. No. 907,898; Dec. 29; Sp. p. 5501; Gaz. vol. 137; p. 2008.
- Schuller, J., Graz, Austria-Hungary. Device for preventing the creeping of railway-rails. No. 883,836; Apr. 7; Sp. p. 332; Dr. p. 63; Gaz. vol. 133; p. 1245.
- Schulte, F. C., St. Louis, Mo. Rotary setting-up keg form and table. No. 899,191; Sept. 22; Sp. p. 3856; Dr. p. 825; Gaz. vol. 136; p. 722.
- Schultheiss, B. (See Somerville, G. W., assignor.)
- Schulthess, W., Paris, France. Apparatus for the production of hydrate of lime. No. 897,495; Sept. 1; Sp. p. 519; Dr. pp. 110-11; Gaz. vol. 136; p. 82.
- Schultz, A., South Bethlehem, Pa. Vehicle-wheel. No. 895,802; Aug. 11; Sp. p. 2062; Dr. p. 437; Gaz. vol. 135; p. 1256.
- Schultz, A. E., Chicago, Ill. Bumping-post. No. 901,196; Oct. 13; Sp. p. 2326; Dr. p. 477; Gaz. vol. 136; p. 1466.
- Schultz, A. G., New Orleans, La. Design-transferring apparatus. No. 876,733; Jan. 14; Sp. p. 2139; Dr. p. 469; Gaz. vol. 132; p. 380.
- Schultz, A. G., Albany, N. Y. Roller-bearing. No. 907,293; Dec. 22; Sp. p. 4240; Gaz. vol. 137; p. 1780.
- Schultz, C. B., Vegesack, near Bremen, Germany, assignor, by mesne assignments, to General Electric Company. Type-writing machine. No. 890,715; June 16; Sp. p. 3096; Dr. p. 679; Gaz. vol. 134; p. 1611.
- Schultz, C. P., Munich, Germany. Tooth-cleaning device. No. 899,626; Sept. 29; Sp. p. 4734; Dr. p. 1013; Gaz. vol. 136; p. 899.
- Schultz, F., Münster, Germany. Device for locating a molten distributing-fuse. No. 905,594; Dec. 1; Sp. p. 970; Gaz. vol. 137; p. 1138.
- Schultz, F. C., Bland, Mo. Machine for sawing standing timber. No. 892,314; June 30; Sp. p. 6329; Dr. p. 1363; Gaz. vol. 134; p. 2201.
- Schultz, F. H., Treynor, Iowa. Nailing-machine. No. 899,767; Sept. 29; Sp. p. 5011; Dr. p. 1074; Gaz. vol. 136; p. 944.
- Schultz, G., Munich, Germany. Nitrating solvent naphtha. No. 898,144; Sept. 8; Sp. p. 1859; Gaz. vol. 136; p. 323.
- Schultz, G., and F. Gehre, Munich, assignors to E. Blecher and C. Lopez, Hamburg, and C. Distler, Munich, Germany. Explosive compound. No. 894,707; July 28; Sp. p. 4838; Gaz. vol. 135; p. 844.
- Schultz, G. E., New York, N. Y. Safety-match. No. 882,427; Mar. 17; Sp. p. 3842; Dr. p. 821; Gaz. vol. 133; p. 695.
- Schultz, G. J., New York, assignor to B. Briscoe, Tarrytown, N. Y. Igniter. No. 877,130; Jan. 21; Sp. p. 2981; Dr. p. 644; Gaz. vol. 132; p. 552.
- Schultz, G. J., New York, assignor to B. Briscoe, Tarrytown, N. Y. Igniter. No. 883,338; June 2; Sp. p. 280; Dr. p. 68; Gaz. vol. 134; p. 1103.
- Schultz, H. (See Nohl, G., assignor.)
- Schultz, H. C., Syracuse, N. Y. Surveyor's instrument. No. 902,918; Nov. 3; Sp. p. 778; Gaz. vol. 137; p. 129.
- Schultz, J. A., Jr., Newark, N. J., assignor to Schultz Syphon Company. Dispensing-siphon. No. 902,258; Oct. 27; Sp. p. 4567; Dr. pp. 927-8; Gaz. vol. 136; p. 1878.
- Schultz, J. B., Donnybrook, N. D. Brush-holder. No. 894,909; Aug. 4; Sp. p. 242; Dr. p. 52; Gaz. vol. 135; p. 937.
- Schultz, J. F., Brooklyn, N. Y. Boot and shoe. No. 898,145; Sept. 8; Sp. p. 1861; Dr. p. 398; Gaz. vol. 136; p. 324.
- Schultz, J. J., and W. C. Taggart, Richmond, Ind. Trolley guard and replacer. No. 907,899; Dec. 29; Sp. p. 5505; Gaz. vol. 137; p. 2008.
- Schultz, M., Buffalo, N. Y. Foot-protector. No. 893,876; July 21; Sp. p. 3128; Dr. p. 642; Gaz. vol. 135; p. 550.
- Schultz, R., and J. Neubauer, Wells, Minn. Quack-grass puller. No. 893,552; July 14; Sp. p. 2374; Dr. pp. 496-7; Gaz. vol. 135; p. 413.
- Schultz Syphon Company. (See Schultz, J. A., Jr., assignor.)
- Schultz, W. B., Phillipsburg, N. J. Yard-meter. No. 883,577; Mar. 31; Sp. p. 6186; Dr. p. 1317; Gaz. vol. 133; p. 1133.
- Schultz, W. F., Cincinnati, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Safe and vault. No. 881,081; Mar. 3; Sp. p. 1080; Dr. p. 235; Gaz. vol. 133; p. 184.
- Schultz, W. F., Cincinnati, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Safe and vault construction. No. 881,032; Mar. 3; Sp. p. 1081; Dr. p. 235; Gaz. vol. 133; p. 185.
- Schultz, W. J., and H. Gerding, assignors, by mesne assignments, to H. Bentley, trustee, Cincinnati, Ohio. Loose-leaf book. No. 881,829; Mar. 10; Sp. p. 2652; Dr. p. 568; Gaz. vol. 133; p. 471.
- Schultze, C. Jr., Denver, Colo. Combination knife and crimper. No. 903,234; Nov. 10; Sp. p. 1403; Gaz. vol. 137; p. 260.
- Schultze, H., Griesheim-on-the-Main, assignor to Chemische Fabrik Griesheim Electron, Frankfurt-on-the-Main, Germany. Manufacture of chlorinated compounds of lime. No. 888,122; May 19; Sp. p. 3608; Gaz. vol. 134; p. 645.

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- Schulz, O. C., assignor to Bauer & Black, Chicago, Ill. Sanitary napkin. No. 903,895; Nov. 17; Sp. p. 2753; Gaz. vol. 137; p. 507.
- Schulz, R., Berlin, Germany. Steam-turbine. (Reissue.) No. 12,814; June 16; Sp. p. 4127; Dr. p. 903; Gaz. vol. 134; p. 1779.
- Schulz, R., Berlin, Germany. Compound steam-turbine. No. 891,293; June 23; Sp. p. 4261; Dr. p. 932; Gaz. vol. 134; p. 1833.
- Schulz, R. T., and J. Sihler, Detroit, Mich. Dash-pot for scales. No. 893,386; July 14; Sp. p. 1991; Dr. p. 418; Gaz. vol. 135; p. 359.
- Schulze, A., Washington, D. C. Manufacture of india-rubber boots and shoes. No. 878,749; Feb. 11; Sp. p. 1810; Dr. p. 375; Gaz. vol. 132; p. 1165.
- Schulze, E. H., Kansas City, Mo. Street-car fender. No. 898,146; Sept. 8; Sp. p. 1863; Dr. p. 398; Gaz. vol. 136; p. 324.
- Schulze, W., Detmold, Germany. Safety-valve for gas-conduits. No. 877,003; Jan. 21; Sp. p. 2716; Dr. p. 588; Gaz. vol. 132; p. 509.
- Schulze, W. C., Flushing, N. Y. Glass receptacle. No. 901,388; Oct. 20; Sp. p. 2761; Dr. p. 563; Gaz. vol. 136; p. 1567.
- Schum, A., Mariah Hill, Ind. Pressure-regulator. No. 899,912; Sept. 29; Sp. p. 5306; Dr. p. 1135; Gaz. vol. 136; p. 991.
- Schumacher, F. E., Hartville, Ohio. Frame and joint for screens. No. 894,289; July 28; Sp. p. 4014; Dr. p. 829; Gaz. vol. 135; p. 707.
- Schumacher, J. E., York, England. Brake for railway and road vehicles. No. 893,660; July 21; Sp. p. 2610; Dr. pp. 544-5; Gaz. vol. 135; p. 479.
- Schuman, J. B., *et al.* (See Schuman, J. B., assignor.)
- Schuman, J. B., Columbia City, assignor to J. B. Schuman and J. K. Sharpe, Jr., Indianapolis, Ind., and T. King, Quincy, Mass. Feeding-platform for shredders. No. 893,387; July 14; Sp. p. 1993; Dr. p. 418; Gaz. vol. 135; p. 359.
- Schuman, J. B., assignor to said J. B. Schuman, J. K. Sharpe, Jr., and T. King, Indianapolis, Ind. Shredder-feeder. No. 902,334; Oct. 27; Sp. p. 4756; Dr. p. 960; Gaz. vol. 136; p. 1905.
- Schuman, J. B., assignor to J. B. Schuman and J. K. Sharpe, Jr., Indianapolis, Ind., and T. King, Quincy, Mass. Manure-loader. No. 904,457; Nov. 17; Sp. p. 3932; Gaz. vol. 137; p. 698.
- Schünzel, A. G., Pittsburg, Pa. Cultivator. No. 890,378; June 9; Sp. p. 2395; Dr. p. 528; Gaz. vol. 134; p. 1469.
- Schupinsky, A. A., Milwaukee, Wis. Chimney cap and ventilator. No. 898,790; Sept. 15; Sp. p. 3100; Dr. p. 664; Gaz. vol. 136; p. 563.
- Schupinsky, A. F., Jr., Milwaukee, Wis. Parlor bowling-alley. No. 880,696; Mar. 3; Sp. p. 402; Dr. p. 87; Gaz. vol. 133; p. 72.
- Schurjer, J. J., Jr., and J. Takacs, Cleveland, Ohio. Combination stool and music-stand. No. 876,023; Jan. 7; Sp. p. 656; Dr. p. 140; Gaz. vol. 132; p. 113.
- Schurs, J., Los Angeles, Cal. Oil-burner. No. 894,069; July 21; Sp. p. 3534; Dr. p. 724; Gaz. vol. 135; p. 615.
- Schussmann, L. G., Sheboygan, Wis. Adjustable chair. No. 892,315; June 30; Sp. p. 6331; Dr. pp. 1363-4; Gaz. vol. 134; p. 2201.
- Schustek, D., Oak Park, assignor to A. H. Andrews, Chicago, Ill. Chair. No. 903,790; Nov. 10; Sp. p. 2514; Gaz. vol. 137; p. 439.
- Schuster, E., Berlin, Germany. Calculating-machine. No. 901,748; Oct. 20; Sp. p. 3541; Dr. p. 716; Gaz. vol. 136; p. 1686.
- Schuster, E. F., Geneva, Nebr. Wire-stretcher. No. 904,019; Nov. 17; Sp. p. 3012; Gaz. vol. 137; p. 549.
- Schuster, J., Clay Banks, Wis. Milk-pail support. No. 882,211; Mar. 17; Sp. p. 3448; Dr. p. 733; Gaz. vol. 133; p. 623.
- Schuster, J., Clay Banks, Wis. Hog-catcher. No. 900,889; Oct. 13; Sp. p. 1743; Dr. p. 352; Gaz. vol. 136; p. 1367.
- Schuster, K., Oakmont, Pa. Button. No. 876,242; Jan. 7; Sp. p. 1080; Dr. p. 236; Gaz. vol. 132; p. 183.
- Schutt, D. A., Peru, Ind. Grain-drill. No. 903,235; Nov. 10; Sp. p. 1404; Gaz. vol. 137; p. 260.
- Schutt, D. A., Peru, Ind. Grain-drill. No. 903,896; Nov. 17; Sp. p. 2754; Gaz. vol. 137; p. 507.
- Schutt, D. A., Peru, Ind. Grain-drill. No. 904,232; Nov. 17; Sp. p. 3477; Gaz. vol. 137; p. 623.
- Schutt, H. B., Brooklyn, N. Y. Structural metal-work in buildings. No. 893,815; July 21; Sp. p. 3002; Dr. p. 614; Gaz. vol. 135; p. 531.
- Schütttauf, R., assignor to Firm of Carl Zeiss, Jena, Germany. Device for closing plate or film holders. No. 883,751; Apr. 7; Sp. p. 140; Dr. p. 26; Gaz. vol. 133; p. 1216.
- Schütte, H., Wheeling, W. Va. Telephonograph. No. 896,416; Aug. 18; Sp. p. 3263; Dr. p. 699; Gaz. vol. 135; p. 1476.
- Schutte and Koerting Company. (See Fusch, G., assignor.)
- Schuttler, R. T., Oshkosh, Wis. Polishing-machine. No. 877,954; Feb. 4; Sp. p. 114; Dr. pp. 26-7; Gaz. vol. 132; p. 869.
- Schütz, H. von, Zoppat, near Danzig, assignor of one-half to L. Gottscho, Berlin, Germany. Drying apparatus for agricultural products and the like. No. 904,020; Nov. 17; Sp. p. 3014; Gaz. vol. 137; p. 549.
- Schutz, J., assignor of one-third to T. Haebler, New York, N. Y. Pattern mechanism for straight-knitting machines. No. 892,502; July 7; Sp. p. 1032; Dr. pp. 216-17; Gaz. vol. 135; p. 171.
- Schutz, J. M., assignor to Schutz-O'Neill Co., Minneapolis, Minn. Gyrator. No. 900,313; Oct. 6; Sp. p. 515; Dr. pp. 107-8; Gaz. vol. 136; p. 1153.
- Schutz-O'Neill Co. (See Schutz, J. M., assignor.)
- Schütz, R., Leipzig Eutritzsch, assignor to Adolf Bleichert & Company, Leipzig-Gohlis, Germany. Rope and cable grip. No. 891,639; June 23; Sp. p. 4994; Dr. p. 1076; Gaz. vol. 134; p. 1947.
- Schütze, M., Berlin, Germany. Razor. No. 886,875; May 5; Sp. p. 1085; Dr. p. 227; Gaz. vol. 134; p. 178.
- Schwab, M. C. (See Wisdom, G. P., assignor.)
- Schwab, M. L., Newark, N. J. Hair-ribbon holder. No. 904,566; Nov. 24; Sp. p. 4183; Gaz. vol. 137; p. 762.
- Schwab, O. (See Schmidt and Schwab.)
- Schwabe, G., Bielitz, near Biala, Austria-Hungary. Dobby-loom. No. 887,702; May 12; Sp. p. 2761; Dr. p. 584; Gaz. vol. 134; p. 478.
- Schwager, A. C., New York, N. Y., assignor of one-half to J. Hollander, Boston, Mass. Thermal-gas-cut-off device. No. 901,197; Oct. 13; Sp. p. 2329; Dr. p. 477; Gaz. vol. 136; p. 1467.
- Schwalbe, W. A., Mosinee, Wis. Making leguminous food. No. 882,173; Mar. 17; Sp. p. 3392; Gaz. vol. 133; p. 613.
- Schwan, J., New York, N. Y. Sound-reproducing machine. No. 898,791; Sept. 15; Sp. p. 3101; Dr. p. 664; Gaz. vol. 136; p. 563.
- Schwanbeck Brothers. (See Schwanbeck, L. H., assignor.)
- Schwanbeck, L. H., assignor to Schwanbeck Brothers, Detroit, Mich. Hinge. No. 903,236; Nov. 10; Sp. p. 1407; Gaz. vol. 137; p. 260.
- Schwanenberg, E., and A. Rinne, Hanover, Germany. Hardening artificial stone. No. 886,258; Apr. 28; Sp. p. 5299; Gaz. vol. 133; p. 2124.
- Schwank, C. W., Kansas City, Mo. Disk-record attachment for sound-reproducing machines. No. 898,792; Sept. 15; Sp. p. 3102; Dr. p. 665; Gaz. vol. 136; p. 564.
- Schwanke, G. A., Brunswick, Nebr. Lid-holder. No. 899,627; Sept. 29; Sp. p. 4734; Dr. p. 1013; Gaz. vol. 136; p. 899.
- Schwantes, A., and C. G. F. Schuenke, Juneau, Wis. Knife-holding attachment for grinding-machines. No. 907,413; Dec. 22; Sp. p. 4456; Gaz. vol. 137; p. 1819.
- Schwartz, A., assignor to Automatic Rapid Unloading Company, Boston, Mass. Apparatus for unloading vessels. No. 881,446; Mar. 10; Sp. p. 1903; Dr. p. 414; Gaz. vol. 133; p. 348.
- Schwartz, A., assignor to Automatic Rapid Unloading Company, Boston, Mass. Apparatus for unloading vessels. No. 881,874; Mar. 10; Sp. p. 2760; Dr. p. 592; Gaz. vol. 133; p. 487.
- Schwartz, E. H., assignor to Kroeschell Brothers Company, Chicago, Ill. Crucible-furnace. No. 892,012; June 30; Sp. p. 5756; Dr. p. 1278; Gaz. vol. 134; p. 2101.
- Schwartz, F. D. (See Ambrose and Schwartz.)
- Schwartz, H., and B. Zsivnovics, Philadelphia, Pa. Safety corn-knife. No. 892,316; June 30; Sp. p. 6333; Dr. p. 1364; Gaz. vol. 134; p. 2201.
- Schwartz, H. F., Philadelphia, Pa. Flag-ring. No. 906,744; Dec. 15; Sp. p. 3150; Gaz. vol. 137; p. 1566.
- Schwartz, M., assignor of two-thirds to S. Flaum and M. Bornstein, New York, N. Y. Sound recorder and reproducer. No. 875,853; Jan. 7; Sp. p. 325; Dr. p. 72; Gaz. vol. 132; p. 60.
- Schwartz, W. M., assignor to Philadelphia Textile Machinery Company, Philadelphia, Pa. Rotary drying-machine. No. 892,501; July 7; Sp. p. 1030; Dr. pp. 215-16; Gaz. vol. 135; p. 171.
- Schwartz, W. M., and W. D. Palen, assignors to Philadelphia Textile Machinery Company, Philadelphia, Pa. Conveying apparatus for drying-machines. No. 877,801; Jan. 28; Sp. p. 4299; Dr. p. 933; Gaz. vol. 132; p. 790.
- Schwartz, W. S., Amity, Oreg. Lemon-squeezer. No. 898,690; Sept. 15; Sp. p. 2922; Dr. p. 626; Gaz. vol. 136; p. 531.
- Schwartzman, J., Newark, N. J. Extension-bed or sliding couch. No. 905,466; Dec. 1; Sp. p. 712; Gaz. vol. 137; p. 1098.
- Schwartzman, J., assignor of two-thirds to S. and A. Shifman, Newark, N. J. Bed-spring. No. 877,004; Jan. 21; Sp. p. 2717; Dr. pp. 589-9; Gaz. vol. 132; p. 509.
- Schwarz, C. G., Reamsville, Kans. Wire-stretcher. No. 906,942; Dec. 15; Sp. p. 3529; Gaz. vol. 137; p. 1628.
- Schwarz, F. J., Jr. (See Rausch and Schwarz.)
- Schwarz, G., Eisenach, Germany. Spring for vehicles. No. 878,316; Feb. 4; Sp. p. 864; Dr. p. 172; Gaz. vol. 132; p. 987.
- Schwarz, G., and J. Amon, New York, N. Y. Starting device for mercury-vapor apparatus. No. 893,816; July 21; Sp. p. 3004; Dr. p. 615; Gaz. vol. 135; p. 532.
- Schwarz, G. and R., New York, N. Y. Cutting-stick. No. 884,218; Apr. 7; Sp. p. 1139; Dr. pp. 239-40; Gaz. vol. 133; p. 1371.
- Schwarz, J. G., *et al.* (See Shapley, R. R., assignor.)
- Schwarz, M., Chambersburg, Pa. Non-refillable bottle. No. 891,105; June 16; Sp. p. 3872; Dr. p. 846; Gaz. vol. 134; p. 1738.
- Schwarz, O., Granger, Tex. Cotton-topper. No. 897,935; Sept. 8; Sp. p. 1438; Dr. pp. 307-8; Gaz. vol. 136; p. 257.
- Schwarz, R. (See Schwarz, G. and R.)
- Schwarz, R., Schenectady, N. Y., assignor to General Electric Company. Electric locomotive. No. 877,005; Jan. 21; Sp. p. 2722; Dr. p. 589; Gaz. vol. 132; p. 510.

Alphabetical list of patentees—Continued.

- Schwarz, W., assignor to E. Witzennann, Pforzheim, Germany. Machine for winding metallic hose. No. 893,661; July 21; Sp. p. 2612; Dr. pp. 545-7; Gaz. vol. 135; p. 479.
- Schwarze, C. J., Adrian, Mich. Railway signaling system. No. 902,176; Oct. 27; Sp. p. 4405; Dr. p. 893; Gaz. vol. 136; p. 1853.
- Schwarzenbach, H., and G. Lier, Langnau, Switzerland; said Lier assignor to said Schwarzenbach. Dobby for looms for weaving. No. 883,975; Apr. 7; Sp. p. 621; Dr. pp. 124-5; Gaz. vol. 133; p. 1291.
- Schwärzler, K. (See Lankes and Schwärzler.)
- Schwarzschild & Sulzberger Co. (See Levy, L., assignor.)
- Schweda, F. F., Cleveland, Ohio. Scoring-card. No. 906,745; Dec. 15; Sp. p. 3151; Gaz. vol. 137; p. 1566.
- Schwede, W., assignor of one-half to H. Schwerdtfeger, Sanborn, Minn. Grain feeding and weighing apparatus. No. 885,299; Apr. 21; Sp. p. 3357; Dr. p. 702; Gaz. vol. 133; p. 1784.
- Schweder, K. W. O., Johannesburg, Transvaal. Safety mechanism for mine-cages and the like. No. 902,690; Nov. 3; Sp. p. 307; Gaz. vol. 137; p. 53.
- Schwedtmann, F. C., St. Louis, Mo. Sash-weight. No. 883,976; Apr. 7; Sp. p. 624; Dr. p. 125; Gaz. vol. 133; p. 1291.
- Schwedtmann, F. C., St. Louis, Mo. Sash-weight. No. 883,977; Apr. 7; Sp. p. 626; Dr. p. 125; Gaz. vol. 133; p. 1292.
- Schwedtmann, F. C., St. Louis, Mo. Sash-weight. No. 883,978; Apr. 7; Sp. p. 628; Dr. p. 125; Gaz. vol. 133; p. 1292.
- Schwedtmann, F. C., St. Louis, Mo. Sash-weight. No. 883,979; Apr. 7; Sp. p. 630; Dr. p. 126; Gaz. vol. 133; p. 1292.
- Schwedtmann, F. C., St. Louis, Mo. Sash-weight. No. 886,653; May 5; Sp. p. 612; Dr. p. 127; Gaz. vol. 134; p. 107.
- Schwehm, P., Hanover, Germany. Starting mechanism for gas-engines. No. 884,619; Apr. 14; Sp. p. 1921; Dr. p. 413; Gaz. vol. 133; p. 1529.
- Schwehm, P., Hanover, Germany. Cylinder for gas-engines. No. 884,995; Apr. 14; Sp. p. 2704; Dr. p. 573; Gaz. vol. 133; p. 1650.
- Schwehr, A. and G. A., Sandusky, Ohio. Friction-clutch. No. 884,766; Apr. 14; Sp. p. 2265; Dr. p. 476; Gaz. vol. 133; p. 1580.
- Schwehr, G. A. (See Schwehr, A. and G. A.)
- Schweiger, L., *et al.* (See Klausner, O., assignor.)
- Schweinert, M. C. (See Kraft and Schweinert.)
- Schweinert, M. C., West Hoboken, N. J., and H. P. Kraft, New York, N. Y. Closure for jars or the like. No. 902,259; Oct. 27; Sp. p. 4570; Dr. p. 928; Gaz. vol. 136; p. 1879.
- Schweinert, M. C., West Hoboken, N. J., and H. P. Kraft, assignors, by mesne assignments, to A. Schrader's Son, Incorporated, New York, N. Y. Water-bottle stopper. No. 876,101; Jan. 7; Sp. p. 809; Dr. p. 174; Gaz. vol. 132; p. 138.
- Schweitzer, W., and H. H. Labadie, Chicago, Ill. Combined extension-tray and bag. No. 906,568; Dec. 15; Sp. p. 2811; Gaz. vol. 137; p. 1510.
- Schweizer, C., Maplewood, assignor to American Heating Company, Boston, Mass. Apparatus for thawing frozen ground, &c. No. 889,975; June 9; Sp. p. 1553; Dr. p. 350; Gaz. vol. 134; p. 1336.
- Schweizer, C., Maplewood, assignor to American Heating Company, Boston, Mass. Furnace. No. 889,976; June 9; Sp. p. 1553; Dr. p. 350; Gaz. vol. 134; p. 1336.
- Schweizer, W. H., Baltimore, Md. Writing-pen. No. 901,389; Oct. 20; Sp. p. 2762; Dr. p. 563; Gaz. vol. 136; p. 1567.
- Schweizer, W. H., Baltimore, Md. Car-signal. No. 906,166; Dec. 8; Sp. p. 2069; Gaz. vol. 137; p. 1354.
- Schwemer, F. L. (See Schwemer, W. W. and F. L.)
- Schwemer, W. W. and F. L., Glendale, Cal. Awning. No. 886,256; Apr. 28; Sp. p. 5293; Dr. p. 1115; Gaz. vol. 133; p. 2124.
- Schwenzefer, C. W., Manchester, England, assignor to Toledo Glass Company, Toledo, Ohio. Glass-tank. No. 908,151; Dec. 29; Sp. p. 6024; Gaz. vol. 137; p. 2092.
- Schwerdtfeger, H. (See Schwede, W., assignor.)
- Schwerin, B., Frankfurt-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Separating and simultaneously extracting water from mineral, vegetable, and animal substances. No. 892,188; June 30; Sp. p. 6093; Dr. p. 1309; Gaz. vol. 134; p. 2159.
- Schwerin, B., assignor to Farbwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Extraction of water or other liquid from mineral, vegetable, and animal substances. No. 894,070; July 21; Sp. p. 3535; Dr. p. 725; Gaz. vol. 135; p. 615.
- Schwerin, E., Berlin, Germany. Gas bracket, pendant, and the like. No. 882,970; Mar. 24; Sp. p. 4935; Dr. p. 1048; Gaz. vol. 133; p. 908.
- Schwerin, M., Elizabeth, N. J. Mining. No. 904,021; Nov. 17; Sp. p. 3016; Gaz. vol. 137; p. 550.
- Schwing, W., Philadelphia, Pa. Gas-stove-valve-locking device. No. 893,662; July 21; Sp. p. 2616; Dr. p. 547; Gaz. vol. 135; p. 480.
- Schwesinger, H., Detroit, Mich. Pneumatic piano-player. No. 895,803; Aug. 11; Sp. p. 2063; Dr. p. 438; Gaz. vol. 135; p. 1256.
- Schwesinger, H., Detroit, Mich. Pneumatic action. No. 895,804; Aug. 11; Sp. p. 2067; Dr. p. 438; Gaz. vol. 135; p. 1257.
- Schwickart, H., New York, N. Y. Doll's head. No. 896,048; Aug. 11; Sp. p. 2539; Dr. p. 549; Gaz. vol. 135; p. 1336.
- Schwickart, P., New York, N. Y. Casting device. No. 889,723; June 2; Sp. p. 1050; Dr. p. 242; Gaz. vol. 134; p. 1227.
- Schwickart, P., New York, N. Y. Building-light. No. 889,724; June 2; Sp. p. 1052; Dr. p. 243; Gaz. vol. 134; p. 1228.
- Schwickart, P., New York, N. Y. Tightening device. No. 889,817; June 2; Sp. p. 1219; Dr. p. 282; Gaz. vol. 134; p. 1257.
- Schwickart, P., New York, N. Y. Building-light. No. 894,708; July 23; Sp. p. 4839; Dr. p. 1006; Gaz. vol. 135; p. 844.
- Schwieger, A., Berlin, Germany. Apparatus for manufacturing metal tubes. No. 878,092; Feb. 4; Sp. p. 403; Dr. p. 85; Gaz. vol. 132; p. 914.
- Schwind, M., Thalheim, Germany. Bottle-stopper. No. 880,331; Feb. 25; Sp. p. 5026; Dr. p. 1060; Gaz. vol. 132; p. 1753.
- Schwing, G., Newark, N. J. Automatic closing attachment for window-sashes. No. 901,390; Oct. 20; Sp. p. 2763; Dr. p. 563; Gaz. vol. 136; p. 1567.
- Schwoerer, F., Strassburg, Germany. Apparatus for treating oleic acid. No. 902,177; Oct. 27; Sp. p. 4406; Dr. p. 893; Gaz. vol. 136; p. 1853.
- Schwozter, W. W., Rodfield, Pa. Skirt-supporter. No. 891,739; June 23; Sp. p. 5189; Dr. p. 1122; Gaz. vol. 134; p. 1979.
- Scipe, J., Dunn township, Ottertail County, Minn. Rotary engine. No. 888,043; May 19; Sp. p. 3459; Dr. p. 725; Gaz. vol. 134; p. 620.
- Scism, J. N. (See Cary, C. P., assignor.)
- Scism, J. N., Syracuse, N. Y. Junction-box. No. 904,458; Nov. 17; Sp. p. 3935; Gaz. vol. 137; p. 698.
- Scobee, J. M., Bagdad, Ky. Mail-box. No. 877,006; Jan. 21; Sp. p. 2722; Dr. p. 589; Gaz. vol. 132; p. 510.
- Scoda, F. J. O. (See Struller, O., assignor.)
- Scoggins, C. M. (See Elder and Scoggins.)
- Scoggins, J. C., Wichita, Kans. Bicycle-support. No. 891,445; June 23; Sp. p. 4581; Dr. p. 996; Gaz. vol. 134; p. 1883.
- Scollard, J. T., Milwaukee, Wis. Gas-stove burner. No. 904,813; Nov. 24; Sp. p. 4700; Gaz. vol. 137; p. 844.
- Scollard, T. F., Warsaw, Ind. Heating system. No. 886,079; Apr. 28; Sp. p. 4967; Dr. p. 1045; Gaz. vol. 133; p. 2065.
- Scott, R. M., Kansas City, Mo. Check. No. 901,838; Oct. 20; Sp. p. 3710; Dr. p. 753; Gaz. vol. 136; p. 1713.
- Scotthorn, W. H. H., Ashville, Ohio. Fence-post. No. 890,308; June 9; Sp. p. 2266; Dr. p. 500; Gaz. vol. 134; p. 1447.
- Scotland, J., Hearts Content, Newfoundland. Relay for telegraphs. No. 904,367; Nov. 17; Sp. p. 3753; Gaz. vol. 137; p. 666.
- Scott, A. R., Chicago, Ill. Journal-bearing packing. No. 888,937; May 26; Sp. p. 5280; Dr. p. 1120; Gaz. vol. 134; p. 945.
- Scott, B., Memphis, Tenn. Truck. No. 905,938; Dec. 8; Sp. p. 1630; Gaz. vol. 137; p. 1281.
- Scott, B. W., assignor to Arthur Colton Company, Detroit, Mich. Tablet-forming machine. No. 901,937; Oct. 20; Sp. p. 3900; Dr. pp. 795-6; Gaz. vol. 136; p. 1746.
- Scott, C. A., and A. F. Whipple, Fort Bragg, Cal. Detachable ferrule. No. 876,734; Jan. 14; Sp. p. 2140; Dr. p. 470; Gaz. vol. 132; p. 380.
- Scott, C. D., Topeka, Kans. Automatic weighing-machine. No. 897,855; Sept. 1; Sp. p. 1246; Dr. pp. 266-9; Gaz. vol. 136; p. 198.
- Scott, C. D., Grand Valley, Pa. Log-turner. No. 904,652; Nov. 24; Sp. p. 4352; Gaz. vol. 137; p. 700.
- Scott, C. H., Minneapolis, Minn. Brush-drive for grain-cleaning machines. No. 875,854; Jan. 7; Sp. p. 328; Dr. pp. 72-3; Gaz. vol. 132; p. 60.
- Scott, C. I., assignor to Scott Manufacturing Co., Charlotte, Mich. Pulley-block. No. 879,680; Feb. 18; Sp. p. 3689; Dr. p. 772; Gaz. vol. 132; p. 1506.
- Scott, C. N., Buffalo, assignor to International Steam Pump Company, New York, N. Y. Internal-combustion engine. No. 898,271; Sept. 8; Sp. p. 2094; Dr. pp. 445-6; Gaz. vol. 136; p. 333.
- Scott, C. N., Buffalo, N. Y., assignor to International Steam Pump Company. Blowing-engine and the like. No. 905,108; Nov. 24; Sp. p. 5293; Gaz. vol. 137; p. 942.
- Scott, C. S., Cadiz, assignor to F. A. Seiberling, Akron, Ohio. Wheel-rim for pneumatic tires. No. 880,332; Feb. 25; Sp. p. 5028; Dr. p. 1030; Gaz. vol. 132; p. 1753.
- Scott, D., and C. G. Bickle, San Francisco, Cal. Door opener and closer. No. 887,530; May 12; Sp. p. 2453; Dr. p. 517; Gaz. vol. 134; p. 422.
- Scott, D. E., *et al.* (See Baines, F. W., assignor.)
- Scott, D. J., *et al.*, executors. (See Scott, W.)
- Scott, E., Marion, assignor of one-half to R. Ridgway, Amboy, Ind. Cooking stove or range. No. 881,962; Mar. 17; Sp. p. 2959; Dr. p. 630; Gaz. vol. 133; p. 545.
- Scott, E., Marion, assignor to Scott Stove and Furnace Company, Cambridge City, Ind. Heating-stove. No. 882,212; Mar. 17; Sp. p. 3449; Dr. p. 734; Gaz. vol. 133; p. 624.
- Scott, E., Westmoreland, Kans. Umbrella-cover. No. 901,198; Oct. 13; Sp. p. 2331; Dr. p. 477; Gaz. vol. 136; p. 1467.
- Scott, E. A. (See Johnson and Scott.)
- Scott Electrical Company. (See Scott, R., assignor.)
- Scott Electrical Equipment Company. (See Scott, R., assignor.)

Alphabetical list of patentees—Continued.

- Scott, F., Orbisonia, assignor of one-half to J. B. Shively, Shippensburg, Pa. Door. No. 892,317; June 30; Sp. p. 6334; Dr. p. 1364; Gaz. vol. 134; p. 2201.
- Scott, F. C., Hornby Island, British Columbia, Canada. Riffe-foresight. No. 906,943; Dec. 15; Sp. p. 3531; Gaz. vol. 137; p. 1628.
- Scott, F. E., Centerville, Ind. Combination-ladder. No. 891,379; June 23; Sp. p. 4451; Dr. p. 969; Gaz. vol. 134; p. 1861.
- Scott, G., Amsterdam, N. Y. Cloth-cutting machine. No. 888,755; May 26; Sp. p. 4871; Dr. p. 1038; Gaz. vol. 134; p. 883.
- Scott, G., Amsterdam, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 880,829; Mar. 3; Sp. p. 701; Dr. p. 147-8; Gaz. vol. 133; p. 119.
- Scott, G., Amsterdam, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing and trimming machine. No. 902,453; Oct. 27; Sp. p. 4998; Dr. pp. 1010-11; Gaz. vol. 136; p. 1944.
- Scott, G. W., *et al.* (See Stoops, W. B., assignor.)
- Scott, H. G., Berkeley, Cal. Dispensing-stopper. No. 885,792; Apr. 28; Sp. p. 4366; Dr. p. 917; Gaz. vol. 133; p. 1970.
- Scott, H. J., Clerkenwell, London, England. Elastic or pneumatic tire for road-vehicles. No. 905,239; Dec. 1; Sp. p. 233; Gaz. vol. 137; p. 1023.
- Scott, I., *et al.*, executors. (See Scott, W.)
- Scott, J. A., St. Louis, Mo. Rail-joint. No. 877,007; Jan. 21; Sp. p. 2724; Dr. p. 590; Gaz. vol. 132; p. 510.
- Scott, J. A., Los Angeles, Cal. Shock-absorber. No. 895,113; Aug. 4; Sp. p. 681; Dr. p. 142; Gaz. vol. 135; p. 1007.
- Scott, J. A., New York, N. Y., assignor to Cockburn Barrow & Machine Company, Jersey City, N. J. Piston-valve. No. 885,659; Apr. 21; Sp. p. 4067; Dr. p. 850; Gaz. vol. 133; p. 1893.
- Scott, J. A., New York, N. Y., assignor to Cockburn Barrow & Machine Company, Jersey City, N. J. Rod-packing. No. 885,651; Apr. 21; Sp. p. 4069; Dr. p. 850; Gaz. vol. 133; p. 1894.
- Scott, J. A., New York, N. Y., assignor to Cockburn Barrow & Machine Company, Jersey City, N. J. Packing for pistons. No. 885,652; Apr. 21; Sp. p. 4071; Dr. p. 851; Gaz. vol. 133; p. 1894.
- Scott, J. C., Portsmouth, Ohio. Muffler. No. 885,872; Apr. 28; Sp. p. 4533; Dr. p. 951; Gaz. vol. 133; p. 1997.
- Scott, J. C., Stillman Valley, Ill. Metal bedstead. No. 894,748; July 28; Sp. p. 4910; Dr. p. 1022; Gaz. vol. 135; p. 857.
- Scott, J. C., assignor to Scott Knitting Company, Portsmouth, Ohio. Union undergarment. No. 904,022; Nov. 17; Sp. p. 3018; Gaz. vol. 137; p. 550.
- Scott, J. E., *et al.* (See Baines, F. W., assignor.)
- Scott, J. E., Louisville, Ky. Weather-strip. No. 883,351; Mar. 31; Sp. p. 5699; Dr. pp. 1216-17; Gaz. vol. 133; p. 1061.
- Scott, J. F., and A. B. Curtis, assignors of one-third to J. H. Smith, Toledo, Ohio. Box and pail fastener. No. 898,994; Sept. 15; Sp. p. 3462; Dr. p. 742; Gaz. vol. 136; p. 630.
- Scott, J. H., Winston Salem, N. C. Dose-indicator. No. 907,294; Dec. 22; Sp. p. 4241; Gaz. vol. 137; p. 1781.
- Scott, J. M., Racine, Wis., assignor to O. R. Barnett, Chicago, Ill. Rail-stay. No. 897,307; Sept. 1; Sp. p. 70; Dr. p. 18; Gaz. vol. 136; p. 15.
- Scott, J. S., Fredericton, New Brunswick, Canada. Saw-set gage. No. 887,742; May 12; Sp. p. 2844; Dr. p. 601; Gaz. vol. 134; p. 493.
- Scott, J. W., Chicago, Ill. Car-window. No. 889,052; May 26; Sp. p. 5484; Dr. pp. 1166-7; Gaz. vol. 134; p. 981.
- Scott Knitting Company. (See Scott, J. C., assignor.)
- Scott, L. C., Minneapolis, Minn. Stovepipe. No. 899,135; Sept. 22; Sp. p. 3733; Dr. p. 800; Gaz. vol. 136; p. 704.
- Scott, L. H., Princeton, Ill. Fence-post. No. 883,491; Mar. 31; Sp. p. 6018; Dr. p. 1285; Gaz. vol. 133; p. 1109.
- Scott, L. H., Princeton, Ill. Fence-post-molding apparatus. No. 895,691; Aug. 11; Sp. p. 1830; Dr. pp. 389-90; Gaz. vol. 135; p. 1221.
- Scott, L. S., Rochester, N. Y. Annunciator. No. 876,735; Jan. 14; Sp. p. 2141; Dr. pp. 470-1; Gaz. vol. 132; p. 380.
- Scott Manufacturing Co. (See Scott, C. I., assignor.)
- Scott, O. E., Hamilton, Ontario, Canada. Safety-gun. No. 901,043; Oct. 13; Sp. p. 2053; Dr. p. 417; Gaz. vol. 136; p. 1418.
- Scott, P., Fine, N. Y. Excavating-tool. No. 892,090; June 30; Sp. p. 5889; Dr. p. 1268; Gaz. vol. 134; p. 2125.
- Scott, P. E., Philadelphia, Pa. Game-counter. No. 893,019; July 14; Sp. p. 1289; Dr. p. 271; Gaz. vol. 135; p. 240.
- Scott, P. I., and A. E. Corbett, Ogden, Utah. Water-gage. No. 888,659; May 26; Sp. p. 4690; Dr. p. 997; Gaz. vol. 134; p. 854.
- Scott, R., New Brunswick, N. J., assignor to Scott Electrical Equipment Company. Magnetic circuit-breaker. No. 890,183; June 9; Sp. p. 1986; Dr. p. 438; Gaz. vol. 134; p. 1406.
- Scott, R., New Brunswick, N. J., assignor to Scott Electrical Company. Magnetic circuit-breaker. No. 896,469; Aug. 18; Sp. p. 3366; Dr. p. 725; Gaz. vol. 135; p. 1493.
- Scott, R., Wilkes-Barre, Pa., assignor to Scott Electrical Company. Arc-lamp. No. 896,417; Aug. 18; Sp. p. 3265; Dr. p. 700; Gaz. vol. 135; p. 1476.
- Scott, R. P., Cadiz, Ohio. Pneumatic tire for vehicle-wheels. No. 889,263; June 2; Sp. p. 135; Dr. p. 34; Gaz. vol. 134; p. 1081.
- Scott, R. S., Kansas City, Mo. Rail-tie and fastening means. No. 884,867; Apr. 14; Sp. p. 2466; Dr. p. 519; Gaz. vol. 133; p. 1613.
- Scott, R. W., Philadelphia, assignor of one-half to L. N. D. Williams, Ashbourne, Pa. Knitting-machine. No. 879,681; Feb. 18; Sp. p. 3690; Dr. pp. 772-3; Gaz. vol. 132; p. 1506.
- Scott, R. W., Philadelphia, assignor of one-half to L. N. D. Williams, Ogontz, Pa. Knitted hosiery. No. 893,663; July 21; Sp. p. 2617; Dr. p. 548; Gaz. vol. 135; p. 480.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Fleeced ribbed web. No. 881,494; Mar. 10; Sp. p. 2000; Dr. p. 436; Gaz. vol. 133; p. 363.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Knitted web. No. 881,495; Mar. 10; Sp. p. 2001; Dr. p. 436; Gaz. vol. 133; p. 363.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Knitted fabric. No. 885,793; Apr. 28; Sp. p. 4369; Dr. p. 917; Gaz. vol. 133; p. 1970.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Knitted fabric. No. 885,794; Apr. 28; Sp. p. 4370; Dr. p. 917; Gaz. vol. 133; p. 1971.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Narrowed-knitted web, hosiery made therefrom, and making same. No. 897,496; Sept. 1; Sp. p. 522; Dr. p. 111; Gaz. vol. 136; p. 83.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Ribbed knitted web. No. 899,439; Sept. 22; Sp. p. 4312; Dr. p. 926; Gaz. vol. 136; p. 799.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Knitted fabric and making same. No. 901,264; Oct. 13; Sp. p. 2456; Dr. pp. 504-5; Gaz. vol. 136; p. 1487.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Web-holder for rib-knitting machines. No. 901,839; Oct. 20; Sp. p. 3711; Dr. p. 753; Gaz. vol. 136; p. 1714.
- Scott, R. W., Leeds Point, N. J., assignor of one-half to L. N. D. Williams, Ogontz, Pa. Rib-knitting machine. No. 901,840; Oct. 20; Sp. p. 3712; Dr. pp. 754-5; Gaz. vol. 136; p. 1714.
- Scott, R. W., and H. Swinglehurst, Philadelphia, assignors to said R. W. Scott, and L. N. D. Williams, Ashbourne, Pa. Knitting-machine. No. 895,805; Aug. 11; Sp. p. 2068; Dr. pp. 438-9; Gaz. vol. 135; p. 1257.
- Scott Stove and Furnace Company. (See Scott, E., assignor.)
- Scott, T. A., and H. E. Crawford, Bentonville, Ind. Wire-stretching tool. No. 880,830; Mar. 3; Sp. p. 707; Dr. p. 149; Gaz. vol. 133; p. 119.
- Scott, W., deceased, Plainfield, N. J.; I. and D. J. Scott, executors. Lubricating device. No. 879,916; Feb. 25; Sp. p. 4210; Dr. pp. 878-9; Gaz. vol. 132; p. 1618.
- Scott, W., deceased, Plainfield, N. J.; I. and D. J. Scott, executors. Web-printing machine. No. 882,800; Mar. 24; Sp. p. 4581; Dr. pp. 977-8; Gaz. vol. 133; p. 850.
- Scott, W., deceased, Plainfield, N. J.; I. and D. J. Scott, executors. Delivery mechanism. No. 885,383; Apr. 21; Sp. p. 3550; Dr. pp. 742-3; Gaz. vol. 133; p. 1813.
- Scott, W., deceased, Plainfield, N. J.; I. Scott and D. J. Scott, executors. Delivery mechanism. No. 908,152; Dec. 29; Sp. p. 6025; Gaz. vol. 137; p. 2092.
- Scott, W., Fredericksburg, Va. Door stop and fastening. No. 881,725; Mar. 10; Sp. p. 2456; Dr. p. 529; Gaz. vol. 133; p. 438.
- Scott, W., Sheridan, Wyo. Changeable-speed gearing. No. 894,709; July 28; Sp. p. 4541; Dr. p. 1006; Gaz. vol. 135; p. 845.
- Scott, W. A., J. J. King, and C. J. Brown, Consul, Ala. Lifting-jack. No. 890,459; June 9; Sp. p. 2534; Dr. p. 560; Gaz. vol. 134; p. 1494.
- Scott, W. D., Buffalo, N. Y. Distribution-fixture. No. 881,963; Mar. 17; Sp. p. 2961; Dr. p. 631; Gaz. vol. 133; p. 546.
- Scott, W. D., Sherman, Tex. Safety-valve for water systems in connection with air-brake systems. No. 882,271; Mar. 17; Sp. p. 3577; Dr. p. 759; Gaz. vol. 133; p. 644.
- Scott, W. E., Montreal, Quebec, Canada. Vessel-hull scraper. No. 877,745; Jan. 28; Sp. p. 4205; Dr. p. 911; Gaz. vol. 132; p. 772.
- Scott, W. H., Norwich, England. Double-pole electric-circuit breaker. No. 903,791; Nov. 10; Sp. p. 2516; Gaz. vol. 137; p. 440.
- Scott, W. I. (See Cusick and Scott.)
- Scott, W. M. (See Jeter, E. W., assignor.)
- Scott, W. M., Philadelphia, Pa. Automatic magnetic circuit-breaker. No. 894,910; Aug. 4; Sp. p. 243; Dr. p. 52; Gaz. vol. 135; p. 937.
- Scott, W. M., and H. C. Campion, Jr., Philadelphia, Pa.; said Campion assignor to said Scott. Circuit-breaker contact. No. 896,764; Aug. 25; Sp. p. 3958; Dr. p. 852; Gaz. vol. 135; p. 1611.
- Scott, W. M., and J. H. Wyatt, Philadelphia, Pa.; said Wyatt assignor to said Scott. Snap-switch. No. 882,848; Mar. 24; Sp. p. 4692; Dr. p. 998; Gaz. vol. 133; p. 867.

Alphabetical list of patentees—Continued.

- Scott, W. R. (See Buckner, W. A., assignor.)
 Scott, W. W., Fort Edward, N. Y. Switch-stand. No. 883,980; Apr. 7; Sp. p. 631; Dr. p. 126; Gaz. vol. 133; p. 1293.
 Scott, W. W., Montreal, Quebec, Canada. Floor-planing tool. No. 898,793; Sept. 15; Sp. p. 3106; Dr. p. 665; Gaz. vol. 136; p. 564.
 Scougale, M., Fort Worth, Tex. Intermeshing wire fabric. No. 890,878; June 16; Sp. p. 3418; Dr. p. 748; Gaz. vol. 134; p. 1665.
 Scovill Manufacturing Co. (See Stevens, F. M., assignor.)
 Scovill Manufacturing Company. (See Goss, J. H., assignor.)
 Scovill Manufacturing Company. (See Hyde, T. R., Jr., assignor.)
 Scovill Manufacturing Company. (See Simons, E. D., assignor.)
 Scovill Manufacturing Company. (See Warner, F. E., assignor.)
 Scoville, C. W. (See Roberts and Holloway, assignors.)
 Scoville, E. M., assignor of one-half to C. Bosse, Waipahu, Hawaii. Automatic car-transfer. No. 901,488; Oct. 20; Sp. p. 2994; Dr. pp. 610-11; Gaz. vol. 136; p. 1600.
 Scranton, E. M., assignor of one-half to C. W. McKay, Rochester, N. Y. Paste-box and dauber. No. 888,756; May 26; Sp. p. 4875; Dr. p. 1038; Gaz. vol. 134; p. 884.
 Scranton, E. M., assignor of one-half to C. W. McKay, Rochester, N. Y. Shoe-polishing apparatus. No. 901,265; Oct. 13; Sp. p. 2459; Dr. p. 505; Gaz. vol. 136; p. 1488.
 Scriber, C. E., *et al.* (See Brown, E., assignor.)
 Scrimgeour, W., Portsmouth, assignor to Mires Fuel-Oil Equipment Company, Norfolk, Va. Hydrocarbon-burner. No. 905,939; Dec. 8. Sp. p. 1632; Gaz. vol. 137; p. 1282.
 Scriven, B. E., and W. C. Smith, Stretford, England. Mechanical variable-transmission mechanism. No. 890,879; June 16; Sp. p. 3418; Dr. pp. 749-50; Gaz. vol. 134; p. 1665.
 Scrivener, A., Richmond, Va. Scale-beam. No. 892,690; July 7; Sp. p. 582; Dr. p. 125; Gaz. vol. 135; p. 102.
 Scrivener, A., Richmond, Va. Bearing for scale-beams. No. 895,692; Aug. 11; Sp. p. 1831; Dr. p. 390; Gaz. vol. 135; p. 1221.
 Scruby, F. A., assignor of one-half to G. E. Scruby, Grand Rapids, Mich. Collapsible box. No. 906,310; Dec. 8; Sp. p. 2347; Gaz. vol. 137; p. 1403.
 Scruby, G. E. (See Scruby, F. A., assignor.)
 Scrutchin, T., Atlanta, Ga. Puzzle. No. 895,114; Aug. 4; Sp. p. 683; Dr. p. 142; Gaz. vol. 135; p. 1007.
 Strymgour, W. H., London, England. Wheel for vehicles. No. 899,331; Sept. 22; Sp. p. 4129; Dr. p. 883; Gaz. vol. 136; p. 766.
 Strymgour, W. H., London, England. Spring-wheel for vehicles. No. 899,332; Sept. 22; Sp. p. 4130; Dr. p. 884; Gaz. vol. 136; p. 766.
 Scudder, C., and F. Coryell, Trenton, N. J. Blindstitching sewing-machine. No. 894,541; July 28; Sp. p. 4506; Dr. pp. 935-7; Gaz. vol. 135; p. 790.
 Scudder, H., and R. K. Hohmann, San Diego, Cal. Eyeglasses. No. 894,071; July 21; Sp. p. 3537; Dr. p. 725; Gaz. vol. 135; p. 616.
 Scudder, H., and R. K. Hohmann, San Diego, Cal. Adjustable lens-clamp. No. 908,039; Dec. 29; Sp. p. 5800; Gaz. vol. 137; p. 2055.
 Scudder, I. C., New York, N. Y. Vehicle-wheel. No. 899,333; Sept. 22; Sp. p. 4132; Dr. p. 884; Gaz. vol. 136; p. 767.
 Scullin, T., and S. R. Skov, Cleveland, Ohio. Convertible and interchangeable seat. No. 882,653; Mar. 24; Sp. p. 4299; Dr. p. 912; Gaz. vol. 133; p. 803.
 Scully, T. P., Rome, N. Y. Cover-opening device. No. 893,200; July 14; Sp. p. 1648; Dr. p. 348; Gaz. vol. 135; p. 297.
 Scully, T. P., Rome, N. Y. Detachable horseshoe. No. 893,201; July 14; Sp. p. 1650; Dr. p. 348; Gaz. vol. 135; p. 298.
 Scully, W., Chicago, Ill. Clothes-drier. No. 883,053; Mar. 24; Sp. p. 5083; Dr. pp. 1084-5; Gaz. vol. 133; p. 933.
 Sculthorp, G. H. (See Megson and Sculthorp.)
 Seabolt, F. J. (See Rupley, G. H., assignor.)
 Seabolt, F. J., Schenectady, N. Y., assignor to General Electric Company. Starting and speed-regulating rheostat. No. 897,497; Sept. 1; Sp. p. 525; Dr. p. 111; Gaz. vol. 136; p. 83.
 Seabrook, B. K., and F. C. Priestly, assignors to American Differential Railway Axle Company, Los Angeles, Cal. Differential axle device. No. 891,958; June 30; Sp. p. 5665; Dr. p. 1220; Gaz. vol. 134; p. 2085.
 Seagrave Company. (See Cooper, W. J., assignor.)
 Seagrave Company. (See Kelleher, J. F., assignor.)
 Seagrave Company. (See Probst, K., assignor.)
 Seagrave, F. S., Detroit, Mich. Hydrant cut-off valve. No. 880,580; Mar. 3; Sp. p. 185; Dr. p. 40; Gaz. vol. 133; p. 33.
 Seagrave, F. S., Detroit, Mich. Hydrant and hose cut-off valve. No. 880,581; Mar. 3; Sp. p. 186; Dr. p. 40; Gaz. vol. 133; p. 34.
 Seagrave, F. S., Detroit, Mich. Hydrant. No. 906,944; Dec. 15; Sp. p. 3532; Gaz. vol. 137; p. 1629.
 Seaholm, A. (See Lindberg and Seaholm.)
 Seaman, A. J. (See Butler, Reynolds, and Seaman.)
 Seaman, A. J. (See Reynolds and Seaman.)
 Seaman, A. J., Faneuil, Mass., assignor to Imperial Art Press Co. Platen-locking mechanism. No. 876,496; Jan. 14; Sp. p. 1638; Dr. p. 355; Gaz. vol. 132; p. 299.
 Seaman, E. C., *et al.* (See Reynolds, H. S., assignor.)
 Seaman, E. W. (See Seaman, W. A., assignor.)
 Seaman, G. Q., New York, N. Y. Trolley-replacer. No. 877,379; Jan. 21; Sp. p. 3475; Dr. p. 755; Gaz. vol. 132; p. 633.
 Seaman, H. H., Everett, Wash. Folding car-stake. No. 907,183; Dec. 22; Sp. p. 3994; Gaz. vol. 137; p. 1740.
 Seaman, W. A., assignor to E. W. Seaman, Long Branch, N. J. Steering-gear. No. 908,153; Dec. 29; Sp. p. 6027; Gaz. vol. 137; p. 2093.
 Seaman, W. S., Beaver, N. D. Pipe-grab. No. 881,496; Mar. 10; Sp. p. 2003; Dr. p. 437; Gaz. vol. 133; p. 364.
 Seamless Rubber Company. (See Murray, J. A., assignor.)
 Seamless Steel Bath Tub Company. (See Sloman, E. H., assignor.)
 Searelle, L., London, England, assignor to W. C. Jordan, New York, N. Y. Screw. No. 877,131; Jan. 21; Sp. p. 2983; Dr. p. 644; Gaz. vol. 132; p. 552.
 Searing, G. E., Towanda, Pa. Chair-lock. No. 901,561; Oct. 20; Sp. p. 3136; Dr. p. 641; Gaz. vol. 136; p. 1624.
 Searle, F., assignor to Coes Wrench Company, Worcester, Mass. Wrench-handle. No. 892,189; June 30; Sp. p. 6094; Dr. p. 1310; Gaz. vol. 134; p. 2159.
 Searle, F. C., Wilmington, Del. Portable burial-vault. No. 883,492; Mar. 31; Sp. p. 6019; Dr. p. 1285; Gaz. vol. 133; p. 1109.
 Searle, H. S., Rochester, N. Y. Mechanism for boat propulsion. No. 879,497; Feb. 18; Sp. p. 3297; Dr. p. 690; Gaz. vol. 132; p. 1446.
 Searls, A., deceased, Newark, N. J.; L. A. Searls, executrix. Jack. No. 891,959; June 30; Sp. p. 5667; Dr. p. 1220; Gaz. vol. 134; p. 2085.
 Searls, A., deceased, Newark, N. J.; L. A. Searls, executrix. Jack. No. 891,960; June 30; Sp. p. 5668; Dr. p. 1221; Gaz. vol. 134; p. 2086.
 Searls, L. A., executrix. (See Searls, A.)
 Sears, C. S., Toledo, Ohio. Clothes-line reel and stretcher. No. 896,765; Aug. 25; Sp. p. 3960; Dr. pp. 852-3; Gaz. vol. 135; p. 1611.
 Sears, C. W., and H. G. Boesche, South Omaha, Nebr. Game apparatus. No. 888,660; May 26; Sp. p. 4691; Dr. p. 998; Gaz. vol. 134; p. 854.
 Sears, G. H., assignor to A. E. and W. B. Huther, Rochester, N. Y. Calculating-machine. No. 894,347; July 28; Sp. p. 4126; Dr. pp. 852-3; Gaz. vol. 135; p. 727.
 Sears, S. C., administratrix. (See Bigelow and Sears.)
 Sears, W. T., Harrisburg, Pa. Punching-machine. No. 886,876; May 5; Sp. p. 1086; Dr. pp. 227-8; Gaz. vol. 134; p. 178.
 Sears, W. T., Onslow, Iowa. Cutting, punching, and tire-shrinking machine. No. 900,213; Oct. 6; Sp. p. 295; Dr. p. 60; Gaz. vol. 136; p. 1120.
 Sears, W. T., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Drop-hammer. No. 882,588; Mar. 24; Sp. p. 4166; Dr. pp. 883-4; Gaz. vol. 133; p. 780.
 Sears, W. T., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Driving-wheel lathe. No. 892,091; June 30; Sp. p. 5890; Dr. p. 1268; Gaz. vol. 134; p. 2126.
 Sears, W. T., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Riveting-machine. No. 905,109; Nov. 24; Sp. p. 5296; Gaz. vol. 137; p. 943.
 Seashore, D. E. (See Peterson, C. G., assignor.)
 Seaton, H. B., *et al.* (See McIntosh, W. M., assignor.)
 Seaton, J. N., administratrix. (See Seaton, W., Jr.)
 Seaton, W., Jr., Rosebank, N. Y.; J. N. Seaton, administratrix. Coal and ore handling machinery, &c. No. 902,839; Nov. 3; Sp. p. 623; Gaz. vol. 137; p. 105.
 Seavey, H. R., assignor to E. T. Burrowes, Portland, Me. Adjustable plate-hanger. No. 907,706; Dec. 22; Sp. p. 5114; Gaz. vol. 137; p. 1917.
 Seaward, L. M., Ontario, Oreg. Fastening means for steam-boiler flues or tubes. No. 879,330; Feb. 18; Sp. p. 2940; Dr. p. 613; Gaz. vol. 132; p. 1392.
 Sebastian, J. (See Klementis and Sebastian.)
 Sebelin, W., Sunfield, Idaho. Animal-trap. No. 905,006; Nov. 24; Sp. p. 5098; Gaz. vol. 137; p. 908.
 Sebre, W. T., assignor of one-half to L. Thoma, Carrollton, Ky. Shaft-holder for harness. No. 896,470; Aug. 18; Sp. p. 3368; Dr. p. 725; Gaz. vol. 135; p. 1494.

Alphabetical list of patentees—Continued.

- Seebree, W. T., assignor of two-thirds to J. F. Jett, H. Smith, L. Thoma, and D. M. Bridges, Carrollton, Ky. Railway mail catcher and deliverer. No. 884,868; Apr. 14; Sp. p. 2468; Dr. pp. 519-20; Gaz. vol. 133; p. 1613.
- Sebring, W. L., Colorado Springs, Colo., assignor to National Car Protection Company, Chicago, Ill. Seal-lock. No. 892,625; July 7; Sp. p. 446; Dr. p. 97; Gaz. vol. 135; p. 81.
- Seches, S., *et al.* (See Hood, W. S., assignor.)
- Schler, J., Economy, Pa. Plumb and level. No. 880,246; Feb. 25; Sp. p. 4865; Dr. p. 1030; Gaz. vol. 132; p. 1726.
- Seck, K. J., Mainz, Germany. Mechanically-operated boat. No. 904,154; Nov. 17; Sp. p. 3286; Gaz. vol. 137; p. 596.
- Seckford, C. E., Cincinnati, Ohio. Mechanism for use in the preparation of picture-moldings, picture-frames, and the like. No. 889,553; June 2; Sp. p. 726; Dr. pp. 167-8; Gaz. vol. 134; p. 1174.
- Seckler, W. C., Marianna, Ark. Magazine-camera. No. 892,903; July 7; Sp. p. 1035; Dr. p. 217; Gaz. vol. 135; p. 171.
- Secor, G. D., South Bend, Ind. Guard-rail for street-cars. No. 885,089; Apr. 21; Sp. p. 2399; Dr. p. 615; Gaz. vol. 133; p. 1714.
- Secor, J. B., assignor to Williams Typewriter Company, Derby, Conn. Shift mechanism for type-writing machines. No. 878,244; Feb. 4; Sp. p. 721; Dr. p. 146; Gaz. vol. 132; p. 964.
- Secoy, R. D., Athens, Ohio. Mining-machine. No. 892,904; July 7; Sp. p. 1037; Dr. p. 218; Gaz. vol. 135; p. 172.
- Secrest, H. O., Cleveland, Ohio. Pot-lifter. No. 880,582; Mar. 3; Sp. p. 188; Dr. p. 41; Gaz. vol. 133; p. 34.
- Secrest, H. O., Cleveland, Ohio. Lawn-mower. No. 891,867; June 30; Sp. p. 5471; Dr. p. 1181; Gaz. vol. 134; p. 2055.
- Secrest, J. A., assignor of four-fifths to J. L. Duncan, C. K. Mauck, B. E. Cole, and H. B. Ferguson, Langdon, Kans. Poultry-nest. No. 876,916; Jan. 14; Sp. p. 2498; Dr. p. 545; Gaz. vol. 132; p. 439.
- Secrist, A. G., Rochester, N. Y. Ice-creeper. No. 908,040; Dec. 29; Sp. p. 5802; Gaz. vol. 137; p. 2055.
- Security Title and Trust Company *et al.*, executors. (See Brothers, W.)
- Sedberry, L. G., Wetumpka, Ala. Railway-tie and means for securing rails thereto. No. 893,941; July 21; Sp. p. 3250; Dr. p. 609; Gaz. vol. 135; p. 571.
- Sedgwick, E. P., Highland Park, assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Piano-pedal. No. 884,220; Apr. 7; Sp. p. 1142; Dr. p. 240; Gaz. vol. 133; p. 1371.
- Sedgwick, H. A., Madison, Wis., assignor to Madison-Kipp Lubricator Company. Lubricator. No. 903,897; Nov. 17; Sp. p. 2756; Gaz. vol. 137; p. 508.
- Sedgwick, H. G., Mill Valley, Cal. Automatic train-stop. No. 896,332; Aug. 18; Sp. p. 3092; Dr. p. 665; Gaz. vol. 135; p. 1449.
- Sedgwick, H. G., Mill Valley, Cal. Vent-valve for automatic train-stops. No. 900,214; Oct. 6; Sp. p. 298; Dr. p. 61; Gaz. vol. 136; p. 1120.
- Sedgwick, H. G., Mill Valley, Cal. Automatic train-stop. No. 900,215; Oct. 6; Sp. p. 300; Dr. p. 61; Gaz. vol. 136; p. 1121.
- Sedgwick, H. G., Mill Valley, Cal. Automatic train-stop. No. 900,216; Oct. 6; Sp. p. 301; Dr. p. 61; Gaz. vol. 136; p. 1121.
- Sedgwick, H. G., Mill Valley, Cal. Automatic train-stop. No. 900,217; Oct. 6; Sp. p. 302; Dr. p. 61; Gaz. vol. 136; p. 1121.
- Sedgwick, H. G., Mill Valley, assignor to American Train Stop Company, San Francisco, Cal. Automatic train-stop. (Reissue.) No. 12,783; Apr. 21; Sp. p. 4186; Dr. p. 876; Gaz. vol. 133; p. 191.
- Sedgwick, R., Richmond, Ind. Automatic indicator for telephones. No. 903,898; Nov. 17; Sp. p. 2760; Gaz. vol. 137; p. 508.
- Sedvil, L., Nashville, Tenn. Detachable shoe-heel. No. 879,011; Feb. 11; Sp. p. 2307; Dr. p. 482; Gaz. vol. 132; p. 1247.
- Sedvil, L., Nashville, Tenn. Assignor to J. C. Goldbach, Louisville, Ky. Last-support. No. 900,214; Oct. 6; Sp. p. 518; Dr. p. 108; Gaz. vol. 136; p. 1153.
- See, F. S., Gem, Kans. Locomotive-tender loader. No. 876,736; Jan. 14; Sp. p. 2150; Dr. pp. 471-2; Gaz. vol. 132; p. 381.
- See, H. J., Deedsville, Ind. Road-drag. No. 891,569; June 23; Sp. p. 4833; Dr. pp. 1042-3; Gaz. vol. 134; p. 1922.
- Seebeck, F., Geestemünde, Germany. Joint-making packing device. No. 892,765; July 7; Sp. p. 729; Dr. p. 154; Gaz. vol. 135; p. 126.
- Seeber, J. A., Portland, Oreg. Vibrating bed. No. 897,791; Sept. 1; Sp. p. 1108; Dr. p. 238; Gaz. vol. 136; p. 177.
- Seeberger, C. D., Yonkers, N. Y. Elevator. No. 890,802; June 16; Sp. p. 3282; Dr. p. 719; Gaz. vol. 134; p. 1042.
- Seeberger, C. D., Yonkers, N. Y. Elevator. No. 897,856; Sept. 1; Sp. p. 1258; Dr. pp. 269-70; Gaz. vol. 136; p. 198.
- Seeberger, C. D., Yonkers, N. Y. Elevator. No. 898,009; Sept. 8; Sp. p. 1587; Dr. p. 339; Gaz. vol. 136; p. 281.
- Seeberger, C. D., Yonkers, N. Y. Conveyor. No. 898,794; Sept. 15; Sp. p. 3107; Dr. pp. 665-6; Gaz. vol. 136; p. 565.
- Seeberger, C. D., Yonkers, N. Y. Conveyor. No. 900,000; Sept. 29; Sp. p. 5509; Dr. pp. 1174-5; Gaz. vol. 136; p. 1019.
- Seeberger, C. D., Yonkers, N. Y. Conveyor. No. 906,945; Dec. 15; Sp. p. 3534; Gaz. vol. 137; p. 1629.
- Seeberger, P., Jersey City, N. J. Envelope. No. 885,384; Apr. 21; Sp. p. 3552; Dr. p. 743; Gaz. vol. 133; p. 1814.
- Seebers, E. (See Ohmer and Seebers.)
- Seeds, J. W., *et al.* (See Simpson, R. D., assignor.)
- Seeger, J. A., St. Paul, Minn. Combined refrigerator and heater. No. 891,294; June 23; Sp. p. 4264; Dr. p. 933; Gaz. vol. 134; p. 1833.
- Seeland, J. C., Enumclaw, Wash. Wire-lifter. No. 898,010; Sept. 8; Sp. p. 1592; Dr. p. 340; Gaz. vol. 136; p. 282.
- Seele, G. B., Dresden-Strehlen, Germany. Apparatus for taking photographic pictures from a height. No. 894,348; July 28; Sp. p. 4130; Dr. p. 553; Gaz. vol. 135; p. 727.
- Seeley, A., Bloomington, Ill. Hydraulic main. No. 894,542; July 28; Sp. p. 4526; Dr. p. 937; Gaz. vol. 135; p. 790.
- Seeley, F. E., assignor to Bryant Electric Company, Bridgeport, Conn. Incandescent-lamp socket. (Reissue.) No. 12,757; Mar. 3; Sp. p. 1219; Dr. p. 262; Gaz. vol. 133; p. 207.
- Seeley, G. M. (See Kleinschmidt, E. E., assignor.)
- Seeley, J. E., assignor to Synchronous Static Company, Los Angeles, Cal. High-frequency discharge apparatus. No. 880,046; Feb. 25; Sp. p. 4469; Dr. pp. 938-9; Gaz. vol. 132; p. 1659.
- Seeley, J. Y. (See Basler, G. R., assignor.)
- Seelye, B. T., Bloomington, Ill. Voting-machine. No. 877,380; Jan. 21; Sp. p. 3477; Dr. p. 755; Gaz. vol. 132; p. 634.
- Seelye, Z. N., Centralia, Wash. Saw-gage and filing-tool. No. 882,213; Mar. 17; Sp. p. 3450; Dr. p. 734; Gaz. vol. 133; p. 624.
- Seem, K. H. (See Haldorsen and Seem.)
- Seemann, H. I., Denver, Colo. Amalgamator. No. 884,299; Apr. 7; Sp. p. 1273; Dr. p. 269; Gaz. vol. 133; p. 1396.
- Seemen, E. von, Rheinfelden, Switzerland. Evaporator. No. 898,147; Sept. 8; Sp. p. 1868; Dr. p. 398; Gaz. vol. 136; p. 324.
- Seems, G. F., and G. B. Copley, Mitchellville, Iowa. Wireless check-row planter. No. 885,873; Apr. 28; Sp. p. 4534; Dr. p. 951; Gaz. vol. 133; p. 1988.
- Seewald, C., Williamsport, Pa. Vehicle-wheel. No. 898,608; Sept. 15; Sp. p. 2753; Dr. pp. 588-9; Gaz. vol. 136; p. 505.
- Sefarian, E. H., Columbus, Ohio. Scrubbing-machine. No. 906,069; Dec. 8; Sp. p. 1874; Gaz. vol. 137; p. 1321.
- Sefton, W. W., and A. H. Glendinning, Belfast, Ireland. Work-holder for sewing and other machines. No. 906,311; Dec. 8; Sp. p. 2348; Gaz. vol. 137; p. 1403.
- Segal, M., New York, N. Y. Crib. No. 907,295; Dec. 22; Sp. p. 4244; Gaz. vol. 137; p. 1781.
- Segel, D. J., Boston, Mass. Combined ash and match tray. No. 889,158; May 26; Sp. p. 5725; Dr. p. 1212; Gaz. vol. 134; p. 1015.
- Segelcke, C. E., New York, N. Y. Combined grater, parer, and corer. No. 879,417; Feb. 18; Sp. p. 3134; Dr. p. 651; Gaz. vol. 132; p. 1421.
- Segessemann, A. C., near Amazonia, Mo. Folding coop. No. 896,860; Aug. 25; Sp. p. 4173; Dr. p. 893; Gaz. vol. 135; p. 1644.
- Segrell, E. J., Newark, N. J. Petticoat. No. 891,868; June 30; Sp. p. 5473; Dr. p. 1182; Gaz. vol. 134; p. 2055.
- Segrell, E. J., Newark, N. J. Petticoat. No. 903,326; Nov. 10; Sp. p. 1573; Gaz. vol. 137; p. 290.
- Segschneider, G., Yonkers, N. Y. Machine for welting and rounding hat-brims. No. 900,001; Sept. 29; Sp. p. 5515; Dr. pp. 1175-6; Gaz. vol. 136; p. 1020.
- Segschneider, G., assignor to Waring Hat M'fg Co., Yonkers, N. Y. Brim-stretching and hat-blocking machine. No. 881,625; Mar. 10; Sp. p. 2268; Dr. p. 492; Gaz. vol. 133; p. 408.
- Seib, G. A., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 891,806; June 23; Sp. p. 5329; Dr. p. 1154; Gaz. vol. 134; p. 2004.
- Seib, G. A., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 904,155; Nov. 17; Sp. p. 3289; Gaz. vol. 137; p. 596.
- Seib, G. A., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 904,233; Nov. 17; Sp. p. 3483; Gaz. vol. 137; p. 624.
- Seib, G. A., and I. A. Weston, Syracuse, N. Y. Drilling-machine. No. 884,529; Apr. 14; Sp. p. 1743; Dr. p. 375; Gaz. vol. 133; p. 1499.
- Seiberling, F. A. (See Scott, C. S., assignor.)
- Seiberling, F. A., Akron, Ohio. Vehicle-tire. No. 876,597; Jan. 14; Sp. p. 1872; Dr. p. 409; Gaz. vol. 132; p. 335.
- Seiberling, F. A., Akron, Ohio. Vehicle-wheel rim. (Reissue.) No. 12,777; Apr. 7; Sp. p. 1383; Dr. p. 295; Gaz. vol. 133; p. 1413.
- Seiberling, F. A., Akron, Ohio. Tire. No. 906,569; Dec. 15; Sp. p. 2813; Gaz. vol. 137; p. 1510.
- Seibert, J. O. M., assignor of one-half to L. E. Pfadt, Chicago, Ill. Manifolding ticket-record and train-check. No. 897,025; Aug. 25; Sp. p. 4553; Dr. p. 972; Gaz. vol. 135; p. 1699.
- Seibert, J. W., assignor of one-half to E. Lewis, Washington, Pa. Trolley-wheel. No. 899,474; Sept. 22; Sp. p. 4380; Dr. p. 940; Gaz. vol. 136; p. 811.
- Seibert, W., Erie, Kans. Rotary engine. No. 880,333; Feb. 25; Sp. p. 5029; Dr. p. 1061; Gaz. vol. 132; p. 1753.
- Seidel, A. S., assignor to Sanitary Burial Casket Company, Reading, Pa. Burial-casket. No. 887,019; May 5; Sp. p. 1350; Dr. p. 286; Gaz. vol. 134; p. 224.
- Seidel, C., Youngstown, Ohio. Lubricating journal-box. No. 876,403; Jan. 14; Sp. p. 1437; Dr. p. 309; Gaz. vol. 132; p. 267.
- Seidelman, P. J., Batavia, Ill. Micrometer-gage. No. 896,590; Aug. 18; Sp. p. 3603; Dr. p. 774; Gaz. vol. 135; p. 1533.

Alphabetical list of patentees—Continued.

- Seifert, B. R., and O. W. Meves, Radebeul, near Dresden, Germany, assignors, by mesne assignments, to Heyden Chemical Works, New York, N. Y. Sodium formaldehyde sulfoxylate. No. 887,050; May 5; Sp. p. 1408; Gaz. vol. 134; p. 234.
- Seifert, F., *et al.* (See Groh, R. C., assignor.)
- Seifert, J. W., East Point, Ga. Boiler washing-machine. No. 880,334; Feb. 25; Sp. p. 5032; Dr. p. 1061; Gaz. vol. 132; p. 1754.
- Seifert, T. H., Springtown, Pa. Vault. No. 900,218; Oct. 6; Sp. p. 303; Dr. p. 62; Gaz. vol. 136; p. 1121.
- Seifert, F., Berlin, Germany. Expansion-joint device. No. 878,317; Feb. 4; Sp. p. 865; Dr. p. 172; Gaz. vol. 132; p. 987.
- Seifert, R., Bobrek, Germany. Obtaining metallic oxids. No. 902,260; Oct. 27; Sp. p. 4572; Dr. p. 928; Gaz. vol. 136; p. 1879.
- Seifke, H. A. (See Fiddes and Seifke.)
- Seigh, F., *et al.* (See Campbell, Faris, and Seigh.)
- Seiler, D. G., *et al.* (See Gaskins, C. H., assignor.)
- Seiler, F. G., *et al.* (See Gaskins, C. H., assignor.)
- Seiler, J. G., Aspinwall, Pa. Game apparatus. No. 894,543; July 28; Sp. p. 4527; Dr. pp. 937-8; Gaz. vol. 135; p. 791.
- Seiler, P., Chicago, Ill., assignor, by mesne assignments, to R. Connett, Upper Montclair, N. J. Acoustical instrument. No. 879,917; Feb. 25; Sp. p. 4212; Dr. p. 879; Gaz. vol. 132; p. 1618.
- Seim, F., Louisville, Ky. Butter granulator and purifier. No. 898,011; Sept. 8; Sp. p. 1593; Dr. p. 340; Gaz. vol. 136; p. 282.
- Seim, F., Louisville, Ky. Granulating and purifying butter. No. 898,070; Sept. 8; Sp. p. 1718; Dr. p. 364; Gaz. vol. 136; p. 301.
- Seipel, E., Berlin, Germany, assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 907,414; Dec. 22; Sp. p. 4458; Gaz. vol. 137; p. 1819.
- Seipp, H. C., Coraopolis, Pa. Pavement or vault construction. No. 903,899; Nov. 17; Sp. p. 2768; Gaz. vol. 137; p. 509.
- Seiser, G. F., Port Royal, Ky. Gate. No. 888,537; May 26; Sp. p. 4412; Dr. p. 936; Gaz. vol. 134; p. 810.
- Seitner, S. J., Roann, Ind. Harrow attachment for plows. No. 890,184; June 9; Sp. p. 1988; Dr. p. 438; Gaz. vol. 134; p. 1407.
- Seitz, E., assignor of one-half to J. E. Lockwood, Peoria, Ill. Vapor-lamp. No. 905,467; Dec. 1; Sp. p. 717; Gaz. vol. 137; p. 1098.
- Seitzinger, W. M., Philadelphia, Pa. Umbrella runner and notch. No. 897,026; Aug. 25; Sp. p. 4554; Dr. p. 972; Gaz. vol. 135; p. 1700.
- Seitzman, I., New York, N. Y. Hat or cap. No. 899,334; Sept. 22; Sp. p. 4134; Dr. p. 883; Gaz. vol. 136; p. 767.
- Selgas Gesellschaft mit beschränkter Haftung. (See Dankelmann, E., assignor.)
- Selbach, P., Cologne, Germany. Blasting-cartridge. No. 889,639; June 2; Sp. p. 877; Dr. p. 201; Gaz. vol. 134; p. 1201.
- Selby, C. G. (See Williams and Selby.)
- Selden, A. R., assignor of one-half to C. S. Davis, Rochester, N. Y. Mechanical stoker. No. 879,682; Feb. 18; Sp. p. 3692; Dr. pp. 773-4; Gaz. vol. 132; p. 1507.
- Self-Heating Soldering Iron Company. (See Mann, F. J., assignor.)
- Self, J. D., Hamilton, Ga. Anchorage for telegraph-poles. No. 897,417; Sept. 1; Sp. p. 368; Dr. p. 77; Gaz. vol. 136; p. 57.
- Self Lighting Street Lamp Company. (See Newman, E., assignor.)
- Selig, O., New York, N. Y. Fan. No. 886,419; May 5; Sp. p. 163; Dr. p. 34; Gaz. vol. 134; p. 31.
- Selig, O., New York, N. Y. Fan. No. 896,165; Aug. 18; Sp. p. 2745; Dr. p. 591; Gaz. vol. 135; p. 1393.
- Selig, O., New York, N. Y. Fan. No. 899,084; Sept. 29; Sp. p. 4832; Dr. p. 1034; Gaz. vol. 136; p. 916.
- Selig, W. N., Chicago, Ill. Machine for making and displaying pictures. No. 886,654; May 5; Sp. p. 614; Dr. pp. 128-9; Gaz. vol. 134; p. 107.
- Seligstein, I. (See Houghland, F. H., assignor.)
- Selinger, H. F., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Electrical insulator. No. 892,626; July 7; Sp. p. 448; Dr. p. 97; Gaz. vol. 135; p. 81.
- Selinsky, F. W., Sr., Dearborn, Mich. Garment and book support. No. 883,428; Mar. 31; Sp. p. 5888; Dr. p. 1256; Gaz. vol. 133; p. 1087.
- Selkirk, E. W., Chicago, Ill. Window-sash. No. 887,968; May 19; Sp. p. 3313; Dr. p. 696; Gaz. vol. 134; p. 596.
- Selle, H. W., Chicago, Ill. Wood-shaving machine. No. 885,874; Apr. 28; Sp. p. 4536; Dr. pp. 951-2; Gaz. vol. 133; p. 1998.
- Selleck, W. J., Riverside, Conn. System for automatically loading cars. No. 876,737; Jan. 14; Sp. p. 2151; Dr. pp. 472-3; Gaz. vol. 132; p. 381.
- Selleck, W. J., Riverside, Conn. Cable-grip. No. 895,048; Aug. 4; Sp. p. 550; Dr. pp. 112-13; Gaz. vol. 135; p. 985.
- Selleck, W. L., Brodhead, Wis. Barn-door hinge. No. 892,556; July 7; Sp. p. 313; Dr. p. 68; Gaz. vol. 135; p. 59.
- Sellenscheidt, C., Berlin, Germany. Lining for filter elements. No. 886,420; May 5; Sp. p. 163; Dr. p. 34; Gaz. vol. 134; p. 31.
- Sellenscheidt, C., Berlin, Germany. Filter element. No. 887,349; May 12; Sp. p. 2069; Dr. p. 434; Gaz. vol. 134; p. 362.
- Sellenscheidt, C., Berlin, Germany, assignor to Filter & Brautechnische Maschinen-Fabrik Act. Ges., Berlin, Germany. Corking-machine. No. 888,538; May 26; Sp. p. 4414; Dr. pp. 936-7; Gaz. vol. 134; p. 810.
- Sellentine, R. J., Cleveland, Ohio. Concrete-mixing machine. No. 886,018; Apr. 28; Sp. p. 4858; Dr. pp. 1021-2; Gaz. vol. 133; p. 2047.
- Sellers, C. W., Beloit, Kans. Pneumatic feeder for threshing-machines. No. 901,490; Oct. 20; Sp. p. 2998; Dr. pp. 611-12; Gaz. vol. 136; p. 1601.
- Sellers, I., Edmonton, Alberta, Canada. Harness-buckle. No. 878,318; Feb. 4; Sp. p. 866; Dr. p. 173; Gaz. vol. 132; p. 988.
- Sellers, M., Chicago, Ill. Tie-plate. No. 894,986; Aug. 4; Sp. p. 427; Dr. p. 87; Gaz. vol. 135; p. 963.
- Sellers, M. B., Baltimore, Md. Aerial apparatus. No. 886,159; Apr. 28; Sp. p. 5123; Dr. pp. 1076-7; Gaz. vol. 133; p. 2091.
- Sellow, E. B., Pawtucket, R. I. Tool-holder. No. 893,942; July 21; Sp. p. 3252; Dr. p. 670; Gaz. vol. 135; p. 571.
- Selley, E. J. (See Le Brocq, R. F., assignor.)
- Selley, E. J., assignor to National Patent Company, New York, N. Y. Transmission-gear. No. 887,276; May 12; Sp. p. 1895; Dr. p. 401; Gaz. vol. 134; p. 336.
- Selley, W., assignor of one-half to R. Lamb, Manchester, England. Garden-shears. No. 894,710; July 28; Sp. p. 4842; Dr. p. 1006; Gaz. vol. 135; p. 845.
- Sellin, H., Luleå, Sweden. Savings-bank. No. 887,531; May 12; Sp. p. 2454; Dr. p. 518; Gaz. vol. 134; p. 422.
- Sellman, J. H., Baltimore, Md. Bel-trap. No. 893,943; July 21; Sp. p. 3254; Dr. p. 670; Gaz. vol. 135; p. 572.
- Sells, W. H., Buffalo, assignor, by mesne assignments, to Peerless Husker Company, Fredonia, N. Y. Corn-husking machine. No. 890,185; June 9; Sp. p. 1990; Dr. p. 439; Gaz. vol. 134; p. 1407.
- Selman, W. L., Summerville, Ga. Double plow. No. 878,565; Feb. 11; Sp. p. 1439; Dr. p. 293; Gaz. vol. 132; p. 1104.
- Selzer, W. V. R., Philadelphia, Pa. Coin-operated stamp-vending machine. No. 904,094; Nov. 17; Sp. p. 3163; Gaz. vol. 137; p. 574.
- Selzer, E. M., *et al.* (See Selzer, J. R., assignor.)
- Selzer, F. C., *et al.* (See Selzer, J. R., assignor.)
- Selzer, J. E., *et al.* (See Selzer, J. R., assignor.)
- Selzer, J. R., Morning Sun, Iowa, assignor to E. M., F. C., and J. E. Selzer. Drinking-fountain. No. 891,190; June 16; Sp. p. 4030; Dr. p. 883; Gaz. vol. 134; p. 1765.
- Semenoff, I., St. Petersburg, Russia. Production of shells employed in the manufacture of cigarettes. No. 900,432; Oct. 6; Sp. p. 760; Dr. p. 157; Gaz. vol. 136; p. 1192.
- Semenza, G., Milan, Italy. High-tension insulator. No. 905,940; Dec. 8; Sp. p. 1634; Gaz. vol. 137; p. 1282.
- Semple, M. E., Sharon, Pa. Rail-joint. No. 881,348; Mar. 10; Sp. p. 1697; Dr. p. 367; Gaz. vol. 133; p. 317.
- Semsey, B. (See Vargyas, E. J., assignor.)
- Sence, V., New York, N. Y. Vibratory massage apparatus. No. 895,505; Aug. 11; Sp. p. 1463; Dr. p. 307; Gaz. vol. 135; p. 1160.
- Sence, V., New York, N. Y. Electric belt. No. 895,506; Aug. 11; Sp. p. 1464; Dr. p. 307; Gaz. vol. 135; p. 1161.
- Sencenbaugh, S. S., Aurora, Ill. Draping-machine. No. 889,406; June 2; Sp. p. 435; Dr. p. 103; Gaz. vol. 134; p. 1127.
- Sencindiver, J. H. (See Webb and Shilling, assignors.)
- Senderling, M. L., Jersey City, N. J. Clip and spring construction. No. 907,184; Dec. 22; Sp. p. 3996; Gaz. vol. 137; p. 1741.
- Seneca Camera Manufacturing Company. (See Goddard, J., assignor.)
- Seneca Camera Manufacturing Company. (See Leonard, C. N., assignor.)
- Senft, H. E. (See Tischler, J., assignor.)
- Seng Company. (See Franks, O. G., assignor.)
- Seng Company. (See Seng, F. J., assignor.)
- Seng, F. J., assignor to Seng Company, Chicago, Ill. Extension-table. No. 878,093; Feb. 4; Sp. p. 404; Dr. p. 86; Gaz. vol. 132; p. 914.
- Seng, F. J., Chicago, Ill., assignor to Seng Company. Extension-table. No. 885,962; Apr. 28; Sp. p. 4739; Dr. p. 995; Gaz. vol. 133; p. 2029.
- Senge, L., Crescent Springs, Ky., assignor to Globe-Wernicke Company, Cincinnati, Ohio. Guide card or partition for vertical files. No. 886,421; May 5; Sp. p. 164; Dr. p. 34; Gaz. vol. 134; p. 31.
- Senge, L., Crescent Springs, Ky., assignor to Globe-Wernicke Company, Cincinnati, Ohio. Filing device. No. 893,020; July 14; Sp. p. 1290; Dr. p. 272; Gaz. vol. 135; p. 240.
- Senge, L., Crescent Springs, Ky., assignor to Globe-Wernicke Company, Cincinnati, Ohio. Post-binder. No. 902,612; Nov. 3; Sp. p. 166; Gaz. vol. 137; p. 27.
- Senn, C., *et al.* (See Squires, A. C., assignor.)
- Senn, E., Egg Harbor City, N. J. Grate for stoves. No. 890,880; June 16; Sp. p. 3421; Dr. p. 750; Gaz. vol. 134; p. 1665.
- Senn, E., Egg Harbor City, N. J. Cooking-stove. No. 896,591; Aug. 18; Sp. p. 3606; Dr. pp. 774-5; Gaz. vol. 135; p. 1533.
- Senn, J. H. (See Earle and Senn.)
- Senn, W. (See Winfield and Senn.)

Alphabetical list of patentees—Continued.

- Senne, C., New York, N. Y. Tape-moistening machine. No. 885,385; Apr. 21; Sp. p. 3553; Dr. p. 743; Gaz. vol. 133; p. 1814.
- Senseney, F. B., Chambersburg, Pa. Cooking utensil. No. 884,767; Apr. 14; Sp. p. 2269; Dr. p. 477; Gaz. vol. 133; p. 1580.
- Sensenich, C. D., assignor to Irwin Foundry & Mine Car Company, Irwin, Pa. Self-lubricating wheel. No. 896,592; Aug. 18; Sp. p. 3010; Dr. p. 775; Gaz. vol. 135; p. 1534.
- Sensenschmidt, M., Frankfurt-on-the-Main, Germany. Apparatus for hardening incandescent bodies for incandescent lights. No. 879,202; Feb. 18; Sp. p. 2692; Dr. p. 561; Gaz. vol. 132; p. 1350.
- Sensenbrenner, C., Obercassel, near Dusseldorf, Germany. Concentric-pipe coil. No. 879,201; Feb. 18; Sp. p. 2691; Dr. p. 561; Gaz. vol. 132; p. 1349.
- Senter, J. F., assignor of one-half to M. Llewellyn, M. G. Weidner, and J. H. Street, Chattanooga, Tenn. Steam-boiler indicator. No. 876,497; Jan. 14; Sp. p. 1640; Dr. pp. 355-6; Gaz. vol. 132; p. 300.
- Senter, J. F., assignor of one-half to M. Llewellyn, M. G. Weidner, and J. H. Street, Chattanooga, Tenn. Separating mechanism. No. 897,161; Aug. 25; Sp. p. 4807; Dr. p. 1023; Gaz. vol. 135; p. 1743.
- Senter, R. T., Chicago, Ill., assignor to J. G. Brill Company, Philadelphia, Pa. Lubricating device for center-bearings. No. 886,080; Apr. 28; Sp. p. 4970; Dr. p. 1045; Gaz. vol. 133; p. 2066.
- Sentz, H. W., *et al.* (See Wilson, S. T., assignor.)
- Seputchre, F., Liege, Belgium. Apparatus for removing solid and liquid particles from gases. No. 899,628; Sept. 29; Sp. p. 4736; Dr. p. 1013; Gaz. vol. 136; p. 899.
- Sergeant, C. H., Brooklyn, N. Y., assignor, by mesne assignments, to Chicago Pneumatic Tool Company, Chicago, Ill. Controlling mechanism for pneumatic tools. No. 886,257; Apr. 28; Sp. p. 5296; Dr. p. 1115; Gaz. vol. 133; p. 2124.
- Sergeant, G. S., Greensboro, N. C. Grate-bar. No. 897,162; Aug. 25; Sp. p. 4811; Dr. pp. 1023-4; Gaz. vol. 135; p. 1744.
- Sergeant, H. C., Westfield, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Piston inlet-valve. No. 894,459; Nov. 17; Sp. p. 3938; Gaz. vol. 137; p. 698.
- Serpeck, O., Madulein, Switzerland. Producing ammonia. No. 884,423; Apr. 14; Sp. p. 1519; Gaz. vol. 133; p. 1466.
- Serpeck, O., Madulein, Switzerland. Producing aluminum nitrids. No. 888,044; May 19; Sp. p. 3460; Gaz. vol. 134; p. 621.
- Serra (y Carbo), J., Barcelona, Spain, assignor to H. Coale, Baltimore, Md. Purifying cork. No. 903,013; Nov. 3; Sp. p. 972; Gaz. vol. 137; p. 161.
- Serrell, J. A., Bayonne, N. J., assignor to Warren Webster and Company. Apparatus for purifying vapors and gases. No. 885,185; Apr. 21; Sp. p. 3125; Dr. p. 657; Gaz. vol. 133; p. 1745.
- Serrier, M., Edwardsville, Ill. Cement-chair mold. No. 886,877; May 5; Sp. p. 1087; Dr. p. 228; Gaz. vol. 134; p. 179.
- Servatius, C. M., assignor of one-half to G. M. Ball, Utica, N. Y. Skylight frame-bar and frame construction. No. 881,964; Mar. 17; Sp. p. 2963; Dr. p. 631; Gaz. vol. 133; p. 546.
- Sessagant, L. L., Lansingburg, N. Y. Spike. No. 904,814; Nov. 24; Sp. p. 4702; Gaz. vol. 137; p. 844.
- Sessemann, J. P., Forest Grove, Ore. Music-lift turner. No. 891,106; June 16; Sp. p. 3873; Dr. p. 847; Gaz. vol. 134; p. 1738.
- Sessemann, J. P., Forest Grove, Ore. Music-rack. No. 895,049; Aug. 4; Sp. p. 552; Dr. p. 113; Gaz. vol. 135; p. 985.
- Sessions Clock Company. (See Morway, J. W., assignor.)
- Sessions, E. A. (See Watson, D. M., assignor.)
- Sessions, F. L., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Fuse and fuse-box. No. 881,965; Mar. 17; Sp. p. 2964; Dr. p. 631; Gaz. vol. 133; p. 546.
- Sessions, F. L., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Trolley. No. 895,806; Aug. 11; Sp. p. 2073; Dr. p. 439; Gaz. vol. 135; p. 1257.
- Sessions, F. L., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Rack-rail. No. 896,766; Aug. 25; Sp. p. 3963; Dr. p. 853; Gaz. vol. 135; p. 1611.
- Seth Thomas Clock Company. (See Lapham and Walker, assignors.)
- Sether, A. F., Glendale, Ore. Surgeon's-needle holder. No. 905,007; Nov. 24; Sp. p. 5101; Gaz. vol. 137; p. 909.
- Settle, J. S., Jr., *et al.* (See Bovee, R. Y., assignor.)
- Settle, T., Philadelphia, Pa. Hinge-support. No. 898,933; Sept. 15; Sp. p. 3353; Dr. p. 720; Gaz. vol. 136; p. 610.
- Settle, T. H., Los Angeles, Cal. Wave-motor. No. 901,489; Oct. 20; Sp. p. 2997; Dr. p. 611; Gaz. vol. 136; p. 1601.
- Setzer, G. A., New York, assignor to C. S. Averill, Syracuse, N. Y. Automatic pipe-cleaning apparatus. No. 900,599; Oct. 6; Sp. p. 1123; Dr. p. 230; Gaz. vol. 136; p. 1246.
- Setzer, L., assignor to H. W. Kerfoot, Gentryville, Mo. Whip-socket. No. 881,203; Mar. 10; Sp. p. 1406; Dr. p. 304; Gaz. vol. 133; p. 269.
- Sevick, J., assignor of one-half to J. Hoffman, New Era, Ore. Chain. No. 892,965; July 7; Sp. p. 1152; Dr. p. 243; Gaz. vol. 135; p. 194.
- Severin, H., Achem, Germany. Apparatus for drawing off small quantities of molten glass from glass-furnaces. No. 892,013; June 30; Sp. p. 5759; Dr. p. 1278; Gaz. vol. 134; p. 2102.
- Severin, H., Achem, Germany. Apparatus for manufacturing hollow glass articles, such as bottles. No. 901,199; Oct. 13; Sp. p. 2332; Dr. p. 478; Gaz. vol. 136; p. 1467.
- Severin, P. S., Crookston, Minn. Loading-machine. No. 888,661; May 26; Sp. p. 4694; Dr. pp. 998-9; Gaz. vol. 134; p. 855.
- Severns, O. W., Chicago, Ill. Sweeping composition. No. 908,041; Dec. 29; Sp. p. 5803; Gaz. vol. 137; p. 2055.
- Severson, O. W., Mabank, Tex. Seed-hopper. No. 891,869; June 30; Sp. p. 5475; Dr. p. 1182; Gaz. vol. 134; p. 2055.
- Severson, S. B., Cambridge, Iowa. Attachment for hay-rakes. No. 891,446; June 23; Sp. p. 4583; Dr. p. 996; Gaz. vol. 134; p. 1883.
- Severy, M. L., Arlington Heights, and G. B. Sinclair, Winthrop, Mass., assignors to Choralelo Manufacturing Company. Method of tuning. No. 890,803; June 16; Sp. p. 3285; Dr. p. 719; Gaz. vol. 134; p. 1642.
- Sévigny, J. P., Megantic, Quebec, Canada. Door-stop. No. 895,115; Aug. 4; Sp. p. 684; Dr. p. 143; Gaz. vol. 135; p. 1007.
- Seward, G. O. (See von Kùgelgen and Seward.)
- Seward, G. O., Holcombs Rock, Va., assignor to Virginia Laboratory Company, New York, N. Y. Water-cooled mold. No. 906,373; Dec. 1; Sp. p. 488; Gaz. vol. 137; p. 1066.
- Seward, G. O., and F. von Kùgelgen, Holcombs Rock, Va., assignors to Virginia Laboratory Company, New York, N. Y. Producing metals by electrolysis. No. 880,760; Mar. 3; Sp. p. 549; Dr. p. 116; Gaz. vol. 133; p. 95.
- Seward, G. O., and F. von Kùgelgen, Holcombs Rock, Va., assignors to Virginia Laboratory Company, New York, N. Y. Production of magnesium by electrolysis. No. 900,961; Oct. 13; Sp. p. 1903; Gaz. vol. 136; p. 1392.
- Seward, G. O., and F. von Kùgelgen, Holcombs Rock, Va., assignors to Virginia Laboratory Company, New York, N. Y. Production of barium and barium alloys. No. 900,962; Oct. 13; Sp. p. 1904; Gaz. vol. 136; p. 1392.
- Seward, G. O., and F. von Kùgelgen, Holcombs Rock, Va., assignors to Virginia Laboratory Company, New York, N. Y. Reduction process for producing metals and alloys. No. 908,154; Dec. 29; Sp. p. 6029; Gaz. vol. 137; p. 2093.
- Seward, G. O., and F. von Kùgelgen, Holcombs Rock, Va., assignors, by mesne assignments, to Electro Metallurgical Company. Electric-furnace process. No. 898,691; Sept. 15; Sp. p. 2925; Dr. p. 626; Gaz. vol. 136; p. 532.
- Seward, H., Petersburg, Va. Tray-handle. No. 908,042; Dec. 29; Sp. p. 5804; Gaz. vol. 137; p. 2055.
- Sewell, J. S., U. S. Army. Wind-strip. No. 886,878; May 5; Sp. p. 1089; Dr. pp. 228-9; Gaz. vol. 134; p. 179.
- Sewell, R., Cedartown, Ga. Case for tooth-brushes. No. 901,841; Oct. 20; Sp. p. 3716; Dr. p. 755; Gaz. vol. 136; p. 1714.
- Sexton, I. E., Medford Mass. Can-spout. No. 892,092; June 30; Sp. p. 5891; Dr. p. 1268; Gaz. vol. 134; p. 2126.
- Sexton, W. A., St. Louis, Mo. Soda-fountain. No. 887,969; May 19; Sp. p. 3314; Dr. pp. 696-7; Gaz. vol. 134; p. 597.
- Seybert, J. S. (See Robinson and Seybert.)
- Seybold, C., Dayton, Ohio. Paper-trimming machine. No. 894,402; July 28; Sp. p. 4245; Dr. pp. 876-7; Gaz. vol. 135; p. 745.
- Seybold, S. R., New Kensington, Pa. Window shade and curtain bracket. No. 888,356; May 19; Sp. p. 4042; Dr. p. 853; Gaz. vol. 134; p. 720.
- Seyboth, F. W. (See Baumann and Seyboth.)
- Seydel, W., Ratibor, Germany. Support for clothing. No. 901,652; Oct. 20; Sp. p. 3310; Dr. p. 680; Gaz. vol. 136; p. 1652.
- Seyfert, S. S., assignor of one-half to W. S. Franklin, South Bethlehem, Pa. Single-phase commutator-motor. No. 891,784; June 23; Sp. p. 5276; Dr. pp. 1142-3; Gaz. vol. 134; p. 1996.
- Seyfert, G. A. (See Smith and Seyfert.)
- Seyfried, E., Philadelphia, Pa. Hat-fastener. No. 899,685; Sept. 29; Sp. p. 4832; Dr. p. 1035; Gaz. vol. 136; p. 916.
- Seymour, B. F., Jr., Denver, Colo. Refunding cash-slip. No. 888,938; May 26; Sp. p. 5281; Dr. p. 1120; Gaz. vol. 134; p. 945.
- Seymour, B. W. (See Monroe and Seymour.)
- Seymour, C. E., Placerville, Cal., assignor of one-fourth to L. E. King, Reno, Nev. Hydraulic separator and classifier. No. 896,471; Aug. 18; Sp. p. 3370; Dr. pp. 725-6; Gaz. vol. 135; p. 1494.
- Seymour, G. G., Troy, N. Y. Valve for flushing-tanks. No. 878,094; Feb. 4; Sp. p. 406; Dr. p. 86; Gaz. vol. 132; p. 914.
- Seymour-Jones, A., Pendower, Wrexham, England, assignor to Turner Tanning Machinery Company, Peabody, Mass. Shaving-machine. No. 900,002; Sept. 29; Sp. p. 5518; Dr. p. 1176; Gaz. vol. 136; p. 1020.
- Seymour, M. T., Bemus Point, and A. W. Ball, Stowe, N. Y. Electrical fluid-heater. No. 884,424; Apr. 14; Sp. p. 1520; Dr. p. 326; Gaz. vol. 133; p. 1466.
- Seymour, R. C., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 879,418; Feb. 18; Sp. p. 3136; Dr. pp. 652-3; Gaz. vol. 132; p. 1421.
- Seymour, R. C., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Signature-delivery mechanism for printing and folding machinery. No. 879,419; Feb. 18; Sp. p. 3139; Dr. pp. 653-4; Gaz. vol. 132; p. 1421.

Alphabetical list of patentees—Continued.

- Seymour, R. C., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Printing-press. No. 879,840; Feb. 18; Sp. p. 4002; Dr. pp. 838-40; Gaz. vol. 132; p. 1559.
- Seymour, R. C., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Printing-press. No. 907,415; Dec. 22; Sp. p. 4463; Gaz. vol. 137; p. 1820.
- Seymour, R. C., Larchmont, assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 908,155; Dec. 29; Sp. p. 6030; Gaz. vol. 137; p. 2093.
- Seymour, R. C., Larchmont, assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 908,156; Dec. 29; Sp. p. 6034; Gaz. vol. 137; p. 2094.
- Seymour, R. C., Larchmont, N. Y., assignor to Goss Printing Press Company, Chicago, Ill. Folding-machine. No. 908,157; Dec. 29; Sp. p. 6037; Gaz. vol. 137; p. 2094.
- Seymour, R. C., Larchmont, N. Y., assignor to Goss Printing Press Company, Chicago, Ill. Printing-press. No. 908,158; Dec. 29; Sp. p. 6043; Gaz. vol. 137; p. 2095.
- Seymour, W. B., Kennebec, S. D. Folding square. No. 893,877; July 21; Sp. p. 3130; Dr. p. 642; Gaz. vol. 135; p. 550.
- Seymour, W. M., assignor of one-half to J. F. Hume, Marshfield, Wis. Land-clearing machine. (Reissue.) No. 12,749; Feb. 11; Sp. p. 2556; Dr. p. 532; Gaz. vol. 132; p. 1286.
- Seymour, W. M., assignor of one-half to J. P. Hume, Marshfield, Wis. Land-clearing machine. No. 900,433; Oct. 6; Sp. p. 762; Dr. p. 157; Gaz. vol. 136; p. 1192.
- Seymour, W. S., assignor of one-half to A. O. Schmerler, Milwaukee, Wis. Hat-fastener. No. 903,237; Nov. 10; Sp. p. 1408; Gaz. vol. 137; p. 261.
- Shackelford, E. H., Salt Lake City, Utah. Box-cleaning device for concentrating-tables. No. 879,012; Feb. 11; Sp. p. 2308; Dr. pp. 482-3; Gaz. vol. 132; p. 1247.
- Shackelford, G. C. (See Bray and Shackelford.)
- Shackley, J., Whitehaven, England. Spying-aperture for doors, walls, and the like. No. 878,245; Feb. 4; Sp. p. 723; Dr. p. 147; Gaz. vol. 132; p. 964.
- Shacklock, A., London, England. Display-stand. No. 907,900; Dec. 29; Sp. p. 5507; Gaz. vol. 137; p. 2009.
- Shad, G. N. (See Shad, R. M. and G. N.)
- Shad, R. M. and G. N., New Orleans, La. Gage-glass cock. No. 908,337; Dec. 29; Sp. p. 6433; Gaz. vol. 137; p. 2157.
- Shadall, C. E., assignor of one-half to F. L. Horneffer, Milwaukee, and F. H. Durbin, Wauwatosa, Wis. Internal-combustion engine. No. 899,136; Sept. 22; Sp. p. 3734; Dr. p. 800; Gaz. vol. 136; p. 704.
- Shade, C. E., Tacoma, Wash. Air-brake. No. 888,853; May 26; Sp. p. 5099; Dr. p. 1087; Gaz. vol. 134; p. 915.
- Shade, G. W. (See Van Nostran, J. E., assignor.)
- Shafer, H. R., Detroit, Mich. Foot-bolt for holding doors. No. 884,768; Apr. 14; Sp. p. 2269; Dr. p. 477; Gaz. vol. 133; p. 1580.
- Shafer, H. S., Nazareth, Pa. Rail-joint. No. 892,557; July 7; Sp. p. 314; Dr. p. 69; Gaz. vol. 135; p. 59.
- Shafer, J. C., assignor of one-half to J. R. Shumate, Edina, Mo. Fire-extinguisher. No. 883,149; Mar. 24; Sp. p. 5284; Dr. p. 1127; Gaz. vol. 133; p. 965.
- Shafer, W. H., Cincinnati, Ohio. Traction fire-engine. No. 876,404; Jan. 14; Sp. p. 1438; Dr. p. 309; Gaz. vol. 132; p. 267.
- Shafer, W. H., Cincinnati, Ohio. Steam-boiler. No. 877,601; Jan. 28; Sp. p. 3937; Dr. p. 851; Gaz. vol. 132; p. 727.
- Shafer, W. H., Cincinnati, Ohio. Force-pump. No. 884,769; Apr. 14; Sp. p. 2270; Dr. p. 477; Gaz. vol. 133; p. 1581.
- Shaffer, K., Evanston, Ill. Lubricating apparatus. No. 889,339; June 2; Sp. p. 282; Dr. p. 68; Gaz. vol. 134; p. 1104.
- Shaffer, A. H., et al. (See Ottason, T., assignor.)
- Shaffer, O., Van Wert, Ohio. Mail-bag catcher. No. 877,240; Jan. 21; Sp. p. 3210; Dr. p. 696; Gaz. vol. 132; p. 590.
- Shaffer, R. A., and E. A. Montgomery, Sharon, Pa. Cooking-stove attachment. No. 902,919; Nov. 3; Sp. p. 779; Gaz. vol. 137; p. 129.
- Shaffer, W. G., et al. (See Ottason, T., assignor.)
- Shaffner, S. C., Chicago, Ill. Means for recording meter-readings. No. 906,071; Dec. 8; Sp. p. 1878; Gaz. vol. 137; p. 1322.
- Shaiduroff, N. N., New York, N. Y. Ball-bearing. No. 895,901; Aug. 11; Sp. p. 2247; Dr. p. 479; Gaz. vol. 135; p. 1288.
- Shain, C. D., Rockaway Park, N. Y. Vaporizer or carburetor for gas-engines. No. 882,023; Mar. 17; Sp. p. 3097; Dr. p. 659; Gaz. vol. 133; p. 564.
- Shainsey, F. J., Dayton, Ohio, assignor, by mesne assignments, to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last. No. 905,240; Dec. 1; Sp. p. 234; Gaz. vol. 137; p. 1023.
- Shakespeare, W., Jr. (See Rhodes, J. B., assignor.)
- Shakespeare, W., Jr., Kalamazoo, Mich. Spool for fishing-reels. No. 879,420; Feb. 18; Sp. p. 3142; Dr. p. 654; Gaz. vol. 132; p. 1422.
- Shakespeare, W., Jr., Kalamazoo, Mich. Fish bait or lure. No. 893,664; July 21; Sp. p. 2622; Dr. p. 549; Gaz. vol. 135; p. 481.
- Shallenberger, C. S., St. Louis, Mo. Underframe for cars. No. 891,295; June 23; Sp. p. 4267; Dr. pp. 933-4; Gaz. vol. 134; p. 1833.
- Shallenberger, C. S., St. Louis, Mo. Underframe for cars. No. 891,296; June 23; Sp. p. 4269; Dr. p. 934; Gaz. vol. 134; p. 1834.
- Shallenberger, C. S., St. Louis, Mo. Underframe for cars. No. 891,297; June 23; Sp. p. 4272; Dr. pp. 934-5; Gaz. vol. 134; p. 1834.
- Shallenberger, C. S., St. Louis, Mo. Brake-shoe. No. 900,600; Oct. 6; Sp. p. 1126; Dr. pp. 230-1; Gaz. vol. 136; p. 1247.
- Shallenberger, C. S., St. Louis, Mo. Brake-shoe. No. 900,601; Oct. 6; Sp. p. 1128; Dr. p. 231; Gaz. vol. 136; p. 1247.
- Shallenberger, R. G., Pittsburg, Pa. Car-coupling. No. 893,553; July 14; Sp. p. 2376; Dr. p. 497; Gaz. vol. 135; p. 414.
- Shanahan, J. W. (See Mason and Shanahan.)
- Shanck, H. K., assignor to Euclid Motor Company, Cleveland, Ohio. Gas-generator for explosive-engines. No. 883,981; Apr. 7; Sp. p. 633; Dr. p. 126; Gaz. vol. 133; p. 1293.
- Shane, G. H., and R. E. Foresman, Denver, Colo. Railway-tie and connection. No. 894,072; July 21; Sp. p. 3538; Dr. p. 725; Gaz. vol. 135; p. 616.
- Shaner, M., Bethlehem, Pa. Metallic railway cross-tie and connection for rails on ties. No. 889,725; June 2; Sp. p. 1053; Dr. p. 243; Gaz. vol. 134; p. 1228.
- Shank, A. W., assignor of three-fourths to O. Plant, F. Mohn, E. W. Battishill, and O. Wachsmann, Detroit, Mich. Car-fender. No. 882,506; Mar. 17; Sp. p. 3981; Dr. p. 851; Gaz. vol. 133; p. 721.
- Shank, M. (See Herbst, Fass, and Shank.)
- Shank, S. H., Chicago, Ill. Lock. No. 899,266; Sept. 22; Sp. p. 4024; Dr. pp. 859-60; Gaz. vol. 136; p. 746.
- Shankland, G. F., Oakland, Cal. Corset-attachment back-protector. No. 903,238; Nov. 10; Sp. p. 1409; Gaz. vol. 137; p. 261.
- Shanklin, G. R., Portland, Oreg. Burner. No. 884,869; Apr. 14; Sp. p. 2470; Dr. p. 520; Gaz. vol. 133; p. 1614.
- Shanks, J. S. D. (See Metcalfe and Shanks.)
- Shanks, S. W., Benton Harbor, Mich. Hoe. No. 880,925; Mar. 3; Sp. p. 892; Dr. p. 192; Gaz. vol. 133; p. 150.
- Shannon, H., Cyclone, Pa. Pipe-derrick. No. 876,243; Jan. 7; Sp. p. 1081; Dr. p. 236; Gaz. vol. 132; p. 183.
- Shannon, J., and J. E. Wood, Portland, Oreg. Railway block-signal. No. 900,315; Oct. 6; Sp. p. 519; Dr. pp. 108-9; Gaz. vol. 136; p. 1154.
- Shannon, J. W., et al. (See Haile, L. T., assignor.)
- Shannon, M. J., Steelton, Pa. Charging apparatus for blast-furnaces. No. 898,012; Sept. 8; Sp. p. 1595; Dr. p. 340; Gaz. vol. 136; p. 282.
- Shannon, M. J., Steelton, Pa. Charging apparatus for blast-furnaces. No. 898,071; Sept. 8; Sp. p. 1719; Dr. pp. 364-5; Gaz. vol. 136; p. 301.
- Shannon, N. S., et al. (See Jones, T. N., assignor.)
- Shannon, W. M., and G. K. Taylor, Columbia, S. C. Combined lock and electric switch. No. 880,167; Feb. 25; Sp. p. 4701; Dr. p. 991-2; Gaz. vol. 132; p. 1698.
- Shannon, W. M., and G. K. Taylor, Columbia, S. C. Combined lock and electric switch. No. 880,168; Feb. 25; Sp. p. 4703; Dr. p. 992; Gaz. vol. 132; p. 1699.
- Shapiro, M. H., Hoboken, N. J. Combination blotter, pen-wiper or pen-cleaner, and pen-rack. No. 881,966; Mar. 17; Sp. p. 2966; Dr. p. 632; Gaz. vol. 133; p. 547.
- Shapleigh, M. S., Jersey City, N. J. Clasp-envelope. No. 891,011; June 16; Sp. p. 3715; Dr. p. 811; Gaz. vol. 134; p. 1710.
- Shapleigh, M. S., Plainfield, N. J. Self-registering gage. No. 901,633; Oct. 20; Sp. p. 3311; Dr. p. 680; Gaz. vol. 136; p. 1652.
- Shapley, R. R., Harrisburg, assignor of two-thirds to J. G. Schwarz, Camp Hill, and G. B. Steinhauer, Lemoyne, Pa. Carpet-stretcher. No. 891,740; June 23; Sp. p. 5190; Dr. p. 1121; Gaz. vol. 134; p. 1979.
- Shappell, T. O. (See Nelson, Meeks, Shappell, and Smalley.)
- Sharer, C. W., assignor to Keystone Telephone Company, Philadelphia, Pa. Apparatus for registering telephone calls. No. 881,447; Mar. 10; Sp. p. 1905; Dr. p. 415; Gaz. vol. 133; p. 348.
- Sharer, C. W., assignor to Keystone Telephone Company, Philadelphia, Pa. Telephone system. No. 888,427; May 19; Sp. p. 4198; Dr. p. 890; Gaz. vol. 134; p. 744.
- Sharon, J., Canaseraga, N. Y. Stove-base. No. 899,335; Sept. 22; Sp. p. 4135; Dr. p. 885; Gaz. vol. 136; p. 767.
- Sharp, A. G., Bethesda, Md. Garbage-collecting vehicle. No. 902,115; Oct. 27; Sp. p. 4281; Dr. p. 867; Gaz. vol. 136; p. 1833.
- Sharp Bridge Company, W. (See Sharp, W., assignor.)
- Sharp, C. A., et al. (See Zimmerman, Stoops, and Lane, assignors.)
- Sharp, C. S., Auburn, N. Y., assignor to International Harvester Company. Pole-truck for tillage implements. No. 879,331; Feb. 18; Sp. p. 2941; Dr. p. 613; Gaz. vol. 132; p. 1392.

Alphabetical list of patentees—Continued.

- Sharp, C. S., Auburn, N. Y., assignor to International Harvester Company. Riding attachment for harrows. No. 879,332; Feb. 18; Sp. p. 2942; Dr. pp. 613-14; Gaz. vol. 132; p. 1393.
- Sharp, C. S., Auburn, N. Y., assignor to International Harvester Company. Disk harrow. No. 882,589; Mar. 24; Sp. p. 4168; Dr. p. 884; Gaz. vol. 133; p. 781.
- Sharp, C. S., Auburn, N. Y., assignor to International Harvester Company. Cultivator. No. 886,422; May 5; Sp. p. 165; Dr. p. 34; Gaz. vol. 134; p. 32.
- Sharp, C. S., Auburn, N. Y., assignor to International Harvester Company. Riding attachment for harrows. No. 907,185; Dec. 22; Sp. p. 3997; Gaz. vol. 137; p. 1741.
- Sharp, E. P., Buffalo, N. Y. Trolley-wheel. No. 897,667; Sept. 1; Sp. p. 869; Dr. p. 186; Gaz. vol. 136; p. 138.
- Sharp, F. D., Altoona, Pa. Protector for third rails. No. 879,683; Feb. 18; Sp. p. 3698; Dr. p. 774; Gaz. vol. 132; p. 1507.
- Sharp, G. W., Baum, Okla. Combined cotton chopper and cultivator. No. 882,971; Mar. 24; Sp. p. 4936; Dr. p. 1048; Gaz. vol. 133; p. 908.
- Sharp, J. B., *et al.* (See Kain, W. P., assignor.)
- Sharp, J. I. (See Hettick and Sharp.)
- Sharp, J. W., Sewickley, Pa. Combined lamp and license holder for automobiles. No. 903,014; Nov. 3; Sp. p. 973; Gaz. vol. 137; p. 161.
- Sharp, J. W., Jr., assignor to Haines, Jones & Cadbury Company, Philadelphia, Pa. Cock or faucet. No. 893,944; July 21; Sp. p. 3255; Dr. p. 670; Gaz. vol. 135; p. 572.
- Sharp, L. C., Omaha, Nebr. Drawing-press. No. 889,155; May 26; Sp. p. 5719; Dr. p. 1210; Gaz. vol. 134; p. 1014.
- Sharp, L. C., Plattsmouth, Nebr., assignor to American Can Company, New York, N. Y. Packing composition for seams of cans. No. 886,423; May 5; Sp. p. 166; Gaz. vol. 134; p. 32.
- Sharp, L. C., Plattsmouth, Nebr., assignor to American Can Company, New York, N. Y. Can-body-making machine. No. 891,380; June 23; Sp. p. 4454; Dr. p. 970; Gaz. vol. 134; p. 1861.
- Sharp, R. C., Apple Creek, Ohio. Apparatus for transferring mail-pouches. No. 880,409; Feb. 25; Sp. p. 5188; Dr. p. 1093; Gaz. vol. 132; p. 1779.
- Sharp & Smith. (See Tietz, C., assignor.)
- Sharp, W., Eldorado, Kans., assignor to W. Sharp Bridge Company. Bridge construction. No. 885,386; Apr. 21; Sp. p. 3554; Dr. pp. 743-4; Gaz. vol. 133; p. 1814.
- Sharp, W. B. (See McEvoy, J. H., assignor.)
- Sharpe, E. L., Pleasanton, Tex. Package-tie. No. 896,472; Aug. 18; Sp. p. 3378; Dr. p. 726; Gaz. vol. 135; p. 1495.
- Sharpe, J., Jr., *et al.* (See Schuman, J. B., assignor.)
- Sharpe, J., Ottawa, Ontario, Canada, assignor, by mesne assignments, to National Cash Register Company, Dayton, Ohio. Cash-register. No. 907,417; Dec. 22; Sp. p. 4470; Gaz. vol. 137; p. 1821.
- Sharpe, J. E., Columbus, Ga. Pump. No. 904,235; Nov. 17; Sp. p. 3492; Gaz. vol. 137; p. 624.
- Sharpe, J. K., Jr., *et al.* (See Schuman, J. B., assignor.)
- Sharpe, J. K., Jr., Indianapolis, Ind. Bottom for clover-bunchers. No. 901,491; Oct. 20; Sp. p. 3004; Dr. p. 613; Gaz. vol. 136; p. 1601.
- Sharpe, J. K., Jr., assignor to Indiana Manufacturing Company, Indianapolis, Ind. Pneumatic stacker. No. 902,841; Nov. 3; Sp. p. 629; Gaz. vol. 137; p. 105.
- Sharpe, J. K., Jr., assignor to Indiana Manufacturing Company, Indianapolis, Ind. Fan for pneumatic stackers. No. 902,842; Nov. 3; Sp. p. 632; Gaz. vol. 137; p. 105.
- Sharples, D. T., West Chester, Pa. Milking-machine. No. 876,598; Jan. 14; Sp. p. 1874; Dr. p. 410; Gaz. vol. 132; p. 336.
- Sharpless, L. C., Utica, N. Y., assignor to C. Chambers, Jr., Overbrook, Pa. Dough-mixing machine. No. 903,239; Nov. 10; Sp. p. 1410; Gaz. vol. 137; p. 261.
- Sharpneck, E. L., Winthrop, Mass. Roller-bearing. No. 892,691; July 7; Sp. p. 584; Dr. p. 125; Gaz. vol. 135; p. 102.
- Sharpneck, F. A., assignor to three-fourths to E. H. Moore, Chicago, Ill. Gas-engine. No. 887,703; May 12; Sp. p. 2763; Dr. p. 584; Gaz. vol. 134; p. 479.
- Sharpneck, F. A., assignor of ninety one-hundredths to R. Reichardt and L. O. Gilliland, Chicago, Ill. Engine. No. 887,855; May 19; Sp. p. 3096; Dr. p. 649; Gaz. vol. 134; p. 559.
- Sharpneck, W. S., assignor to S. D. Haskell, Chicago, Ill. Roller-bearing. No. 886,547; May 5; Sp. p. 403; Dr. p. 86; Gaz. vol. 134; p. 75.
- Sharps, L. S., New York, N. Y. Advertising device. No. 902,840; Nov. 3; Sp. p. 624; Gaz. vol. 137; p. 105.
- Shattuck, C. A., Worcester, assignor of three-fourths to H. L. Ayer, Newton, Mass. Coin-controlled box. No. 896,767; Aug. 25; Sp. p. 3965; Dr. p. 853; Gaz. vol. 135; p. 1612.
- Shattuck, W. P., Minneapolis, Minn., assignor of one-half to M. McVoy, Jr., New York, N. Y. Detachable shoe for self-propelled-vehicle wheels. No. 901,842; Oct. 20; Sp. p. 3717; Dr. p. 755; Gaz. vol. 136; p. 1714.
- Shatzky, A., New York, assignor of one-half to J. Martin, Brooklyn, N. Y. Water-heater. No. 882,174; Mar. 17; Sp. p. 3393; Dr. p. 721; Gaz. vol. 133; p. 614.
- Shaughnessy, B. F., Pittsburg, Pa. Seal for pipe-joints. No. 882,350; Mar. 17; Sp. p. 3725; Dr. p. 792; Gaz. vol. 133; p. 671.
- Shaw, A. L., Corinne, Utah. Wrench. No. 899,336; Sept. 22; Sp. p. 4137; Dr. p. 886; Gaz. vol. 136; p. 767.
- Shaw, A. R., Helena, Mont. Killing-pen for slaughter-houses. No. 904,089; Nov. 17; Sp. p. 3154; Gaz. vol. 137; p. 572.
- Shaw, B. W. (See Neal, Shaw, and Howarth.)
- Shaw, C. R., Fitchburg, Mass. Shelf and ironing-board attachment. No. 885,387; Apr. 21; Sp. p. 3555; Dr. p. 744; Gaz. vol. 133; p. 1814.
- Shaw, C. H., Denver, Colo. Rock-drill-sharpening machine. No. 896,166; Aug. 18; Sp. p. 2745; Dr. pp. 591-2; Gaz. vol. 135; p. 1393.
- Shaw, D. P., Rhome, assignor of one-half to W. J. Tackaberry, Fort Worth, Tex. Stalk-breaker. No. 902,116; Oct. 27; Sp. p. 4282; Dr. p. 868; Gaz. vol. 136; p. 1833.
- Shaw, E. C., assignor to B. F. Goodrich Company, Akron, Ohio. Vehicle-wheel rim. No. 885,960; Apr. 28; Sp. p. 4732; Dr. p. 994; Gaz. vol. 133; p. 2028.
- Shaw, E. C., assignor to B. F. Goodrich Company, Akron, Ohio. Vehicle-wheel rim. No. 894,290; July 28; Sp. p. 4016; Dr. p. 830; Gaz. vol. 135; p. 708.
- Shaw, E. C., assignor to B. F. Goodrich Company, Akron, Ohio. Vehicle-wheel rim. No. 894,291; July 28; Sp. p. 4019; Dr. p. 830; Gaz. vol. 135; p. 708.
- Shaw, E. C., assignor to B. F. Goodrich Company, Akron, Ohio. Vehicle-wheel rim. No. 894,292; July 28; Sp. p. 4021; Dr. p. 830; Gaz. vol. 135; p. 708.
- Shaw, E. C., assignor to B. F. Goodrich Company, Akron, Ohio. Vehicle-wheel rim. No. 894,293; July 28; Sp. p. 4023; Dr. p. 830; Gaz. vol. 135; p. 709.
- Shaw, E. C., assignor to B. F. Goodrich Company, Akron, Ohio. Vehicle-wheel rim. No. 906,167; Dec. 8; Sp. p. 2070; Gaz. vol. 137; p. 1354.
- Shaw, F. G., assignor to International Switch & Signal Company, Boston, Mass. Means for keeping switches clear from snow and ice. No. 878,566; Feb. 11; Sp. p. 1440; Dr. p. 294; Gaz. vol. 132; p. 1104.
- Shaw, G. E., Sheldon, Cal. Harvester. No. 883,378; Mar. 31; Sp. p. 6188; Dr. p. 1318; Gaz. vol. 133; p. 1133.
- Shaw, H. C., Glenshaw, Pa. Device for changing rolls. No. 889,407; June 2; Sp. p. 436; Dr. p. 104; Gaz. vol. 134; p. 1127.
- Shaw, H. C., Glenshaw, Pa. Mold. No. 898,795; Sept. 15; Sp. p. 3109; Dr. p. 666; Gaz. vol. 136; p. 565.
- Shaw, H. G. (See Richardson, S. S., assignor.)
- Shaw, H. M. (See Hanchett and Shaw.)
- Shaw, H. R., Rosseau, Ontario, Canada. Power-transmission universal joint. No. 899,913; Sept. 29; Sp. p. 5308; Dr. p. 1135; Gaz. vol. 136; p. 991.
- Shaw, J., Dauphin, Manitoba, Canada. Rotary engine. No. 898,272; Sept. 8; Sp. p. 2097; Dr. pp. 446-7; Gaz. vol. 136; p. 363.
- Shaw, J. H., Greensboro, N. C. Combined manufacturing bill and envelop. No. 893,202; July 14; Sp. p. 1651; Dr. pp. 348-9; Gaz. vol. 135; p. 298.
- Shaw, J. H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 889,977; June 9; Sp. p. 1555; Dr. p. 351; Gaz. vol. 134; p. 1336.
- Shaw, J. H., assignor to Sargent and Company, New Haven, Conn. Food-chopper. No. 899,702; Sept. 29; Sp. p. 4859; Dr. p. 1041; Gaz. vol. 136; p. 921.
- Shaw, J. H., and E. B. Boyer, Johnstown, Pa. Metallic tie and rail-fastener. No. 893,388; July 14; Sp. p. 1997; Dr. p. 419; Gaz. vol. 135; p. 360.
- Shaw, J. P., deceased, Aberdeen, Miss.; R. E. Houston, administrator. Combination-tool. No. 891,107; June 16; Sp. p. 3876; Dr. p. 847; Gaz. vol. 134; p. 1739.
- Shaw-Kendall Engineering Company. (See Brown, W. L., assignor.)
- Shaw-Kendall Engineering Company. (See Vosper, W. W., assignor.)
- Shaw, L., Chicago, Ill. Automatic device for operating water seals for gas-mains. No. 902,454; Oct. 27; Sp. p. 5003; Dr. p. 1011; Gaz. vol. 136; p. 1944.
- Shaw, L., Chicago, Ill. Automatic device for operating water seals for gas-mains. No. 906,312; Dec. 8; Sp. p. 2350; Gaz. vol. 137; p. 1403.
- Shaw, L. H., Brockton, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Heel. No. 880,583; Mar. 3; Sp. p. 189; Dr. p. 41; Gaz. vol. 133; p. 35.
- Shaw, L. M., Chicago, Ill. Elevator. No. 876,599; Jan. 14; Sp. p. 1878; Dr. p. 410; Gaz. vol. 132; p. 336.
- Shaw, N. H., Boston, Mass. Automatic gas-lighting mechanism. No. 885,795; Apr. 28; Sp. p. 4372; Dr. p. 948; Gaz. vol. 133; p. 1971.

Alphabetical list of patentees—Continued.

- Shaw, T. T., Germantown, Pa. Grappling-tongs. No. 897,163; Aug. 25; Sp. p. 4813; Dr. p. 1024; Gaz. vol. 135; p. 1744.
- Shaw, W. M., Camden, Ark. Bed. No. 888,045; May 19; Sp. p. 3460; Dr. p. 725; Gaz. vol. 134; p. 621.
- Shawan, J. T., Dayton, assignor to Rudolph Wurlitzer Company, Cincinnati, Ohio. Muffler for drums. No. 907,901; Dec. 29; Sp. p. 5509; Gaz. vol. 137; p. 2009.
- Shawver, C. C., *et al.* (See Titus, W., assignor.)
- Shawver, J. W., assignor of two-thirds to J. P. Fox and M. A. Wright, Portland, Ind. Nut-lock. No. 886,424; May 5; Sp. p. 166; Dr. p. 35; Gaz. vol. 134; p. 32.
- Shea, J. A., Pittsburg, Pa. Window-ventilator. No. 905,241; Dec. 1; Sp. p. 236; Gaz. vol. 137; p. 1023.
- Shea, J. J., Beverly, Mass. Aseptic bottle. No. 904,095; Nov. 17; Sp. p. 3165; Gaz. vol. 137; p. 574.
- Shea, M. P., Goldfield, Nev. Refrigerator. No. 906,313; Dec. 8; Sp. p. 2352; Gaz. vol. 137; p. 1404.
- Shea, T. A., Hammond, Ind. Car-spring. No. 891,331; June 23; Sp. p. 4456; Dr. p. 970; Gaz. vol. 134; p. 1862.
- Sheafe, J. S., Chicago, Ill. Brake-shoe. No. 880,584; Mar. 3; Sp. p. 192; Dr. p. 41; Gaz. vol. 133; p. 35.
- Sheaffer, W. A., Fort Madison, Iowa. Fountain-pen. No. 896,861; Aug. 25; Sp. p. 4174; Dr. p. 893; Gaz. vol. 135; p. 1644.
- Sheahan, C. J., Batavia, Ill. Boiler attachment. No. 899,192; Sept. 22; Sp. p. 3857; Dr. p. 825; Gaz. vol. 136; p. 722.
- Sheahan, M., Enterprise, Oreg. Combined grader and snow-plow. No. 906,314; Dec. 8; Sp. p. 2354; Gaz. vol. 137; p. 1404.
- Shean, T. P., assignor of one-half to C. T. Knisely, Chicago, Ill. Fireproof door. No. 896,068; Aug. 11; Sp. p. 2578; Dr. p. 558; Gaz. vol. 135; p. 1342.
- Sheard, H. H., Fort Worth, Tex. Washing apparatus. No. 887,970; May 19; Sp. p. 3315; Dr. p. 697; Gaz. vol. 134; p. 597.
- Shearer, A., Frankford, Kans. Lister-plow. No. 894,802; July 28; Sp. p. 5012; Dr. pp. 1045-6; Gaz. vol. 135; p. 874.
- Shearer, J. B., *et al.* (See Levey, T. J., assignor.)
- Shearer, J. P., Nyack, N. Y. Electric sign. No. 905,468; Dec. 1; Sp. p. 721; Gaz. vol. 137; p. 1099.
- Shearman, H. C., Providence, R. I. Pneumatic and other tires. No. 885,796; Apr. 28; Sp. p. 4374; Dr. pp. 918-19; Gaz. vol. 133; p. 1971.
- Shears, W., Evanston, Ill. Scaffold-clamp. No. 890,804; June 16; Sp. p. 3287; Dr. p. 720; Gaz. vol. 134; p. 1642.
- Sheasby, W. H., Los Angeles, Cal. Roller-bearing. No. 902,691; Nov. 3; Sp. p. 314; Gaz. vol. 137; p. 53.
- Sheble, H., Philadelphia, Pa. and E. A. Hawthorne, Springfield, Mass., assignors to Hawthorne and Sheble Manufacturing Company, Philadelphia, Pa. Box or case for talking-machine needles. No. 908,338; Dec. 29; Sp. p. 6436; Gaz. vol. 137; p. 2158.
- Sheck, W. (See Welsh and Sheck.)
- Sheckler, W. R., Greenville, Pa. Expansion-union. No. 907,187; Dec. 22; Sp. p. 4000; Gaz. vol. 137; p. 1742.
- Shedd, H. E., Austin, Minn. Calendar. (Reissue.) No. 12,861; Oct. 6; Sp. p. 1332; Dr. p. 271; Gaz. vol. 136; p. 1277.
- Shedlock, A., Jersey City, N. J. Metal wool. No. 888,123; May 19; Sp. p. 3609; Dr. p. 756; Gaz. vol. 134; p. 646.
- Shedlock, A., Jersey City, N. J. Metal wool. No. 888,124; May 19; Sp. p. 3610; Dr. p. 756; Gaz. vol. 134; p. 646.
- Shedlock, A., Jersey City, N. J. Metal wool and fiber mixture. No. 888,125; May 19; Sp. p. 3611; Dr. p. 756; Gaz. vol. 134; p. 646.
- Shedlock, A., Jersey City, N. J., assignor of one-half to J. A. Hudson, New York, N. Y. Speed indicator and recorder. No. 890,100; June 9; Sp. p. 1804; Dr. pp. 399-400; Gaz. vol. 134; p. 1373.
- Shee, P. E., *et al.* (See Rote, C. V., assignor.)
- Shee, P. E. (See Rote and Shee.)
- Shee, P. E., Lancaster, Pa. Holder for use in sharpening safety-razor blades. No. 903,792; Nov. 10; Sp. p. 2516; Gaz. vol. 137; p. 440.
- Sheehan, C. W., Lubec, Me. Trolley-guard. No. 876,600; Jan. 14; Sp. p. 1880; Dr. p. 411; Gaz. vol. 132; p. 337.
- Sheehan, D. P., assignor to North American Railway Construction Company, Chicago, Ill. Machine for driving railway screw-spikes. No. 877,667; Jan. 28; Sp. p. 4077; Dr. p. 882; Gaz. vol. 132; p. 749.
- Sheehan, J. E. (See Skahen, J. J., assignor.)
- Sheehan, R. M., Sacramento, Cal. Table. No. 899,267; Sept. 22; Sp. p. 4028; Dr. p. 860; Gaz. vol. 136; p. 747.
- Sheehan, W. E., Albany, N. Y. Roller for paper-making machines and manufacturing said rollers. No. 882,351; Mar. 17; Sp. p. 3726; Dr. p. 792; Gaz. vol. 133; p. 671.
- Sheehan, W. E., Albany, N. Y. Means for manufacturing paper, board, and pulp. No. 902,178; Oct. 27; Sp. p. 4407; Dr. pp. 893-4; Gaz. vol. 136; p. 1854.
- Sheeler, C. W., Coatesville, Pa. Automatic coupling for air-pipes. No. 906,570; Dec. 15; Sp. p. 2814; Gaz. vol. 137; p. 1510.
- Sheeran, E. M., Alameda, Cal. Score-card for games. No. 884,221; Apr. 7; Sp. p. 1143; Dr. p. 240; Gaz. vol. 133; p. 1372.
- Sheets, S. L., Paris, Ill. Mold for forming concrete drain-tile. No. 904,900; Nov. 24; Sp. p. 4889; Gaz. vol. 137; p. 873.
- Sheffield Car Company. (See Calvert, T. E., assignor.)
- Sheffield Car Company. (See Card, J. F., assignor.)
- Sheffield Car Company. (See Cleverdon, C. C., assignor.)
- Sheffield Car Company. (See Henderson, J., assignor.)
- Sheffield Car Company. (See Hovey, W. S., assignor.)
- Sheffield Car Company. (See O'Connor, G. E., assignor.)
- Sheffield Car Company. (See Whitesell, F. N., assignor.)
- Sheffield, G. S., assignor to Sheffield Manufacturing Company, Burr Oak, Mich. Combined planter and fertilizer-distributor. No. 883,493; Mar. 31; Sp. p. 6021; Dr. p. 1285; Gaz. vol. 133; p. 1109.
- Sheffield Manufacturing Company. (See Himebaugh, C. D., assignor.)
- Sheffield Manufacturing Company. (See Sheffield, G. S., assignor.)
- Sheip & Vandergrift. (See Moss, S., assignor.)
- Shelbourne, J. W., Grand Island, Nebr. Threshing mechanism. No. 878,901; Feb. 11; Sp. p. 2108; Dr. p. 439; Gaz. vol. 132; p. 1213.
- Shelbourne, W. H. (See Brown and Shelbourne.)
- Shelburne, A. (See Buettner and Shelburne.)
- Shelby Spring Hinge Company. (See Stump and Brucker, assignors.)
- Sheldon, E. H., Chicago, Ill. Lathe. No. 907,418; Dec. 22; Sp. p. 4483; Gaz. vol. 137; p. 1821.
- Sheldon, F. L., Tacoma, Wash. Jacket for spherical structures. No. 888,854; May 26; Sp. p. 5102; Dr. pp. 1087-8; Gaz. vol. 134; p. 915.
- Sheldon, H. E., Pittsburg, Pa. Manufacturing plates. No. 902,767; Nov. 3; Sp. p. 459; Gaz. vol. 137; p. 79.
- Sheldon, H. M., assignor of one-half to F. Peterson, Webster City, Iowa. End-gate for wagons. No. 908,339; Dec. 29; Sp. p. 6438; Gaz. vol. 137; p. 2158.
- Sheldon, R. N. (See Rohn and Sheldon.)
- Sheldon, S. B., Buffalo, N. Y. Fuel-feding device for gas-producing furnaces. No. 884,620; Apr. 14; Sp. p. 1922; Dr. pp. 413-14; Gaz. vol. 133; p. 1529.
- Sheldon, S. B., Buffalo, N. Y. Poker mechanism for gas-producers. No. 886,655; May 5; Sp. p. 620; Dr. pp. 129-30; Gaz. vol. 134; p. 107.
- Sheldon, S. B., Buffalo, N. Y. Refining iron. No. 898,513; Sept. 15; Sp. p. 2569; Gaz. vol. 136; p. 474.
- Shell, J. W., Vaughn, Ga. Land-marker. No. 905,595; Dec. 1; Sp. p. 971; Gaz. vol. 137; p. 1139.
- Shellabarger, E. F., De Kalb, Ill. Manufacture of barb-wire. No. 904,096; Nov. 17; Sp. p. 3167; Gaz. vol. 137; p. 575.
- Shellabarger, E. F., De Kalb, Ill. Wire fencing. No. 904,496; Nov. 17; Sp. p. 4039; Gaz. vol. 137; p. 711.
- Shellenberger, H. H. (See Kaufman, J., assignor.)
- Shellenberger, S. L., assignor of one-half to E. D. Chadick, South McAlester, Okla. Railway-switch. No. 875,959; Jan. 7; Sp. p. 530; Dr. p. 113; Gaz. vol. 132; p. 93.
- Shelly, F. J., Philadelphia, Pa. Rail-joint. No. 901,391; Oct. 20; Sp. p. 2764; Dr. p. 563; Gaz. vol. 136; p. 1568.
- Shelly, H. W. (See Sutton, T. E., assignor.)
- Shelton, J., Knoxville, Tenn. Auxiliary dome for steam-boilers. No. 893,389; July 14; Sp. p. 1998; Dr. p. 419; Gaz. vol. 135; p. 360.
- Shelton, J., New York, N. Y. Holder for inverted sad-irons. No. 896,768; Aug. 25; Sp. p. 3668; Dr. p. 854; Gaz. vol. 135; p. 1612.
- Shelton, W. G., Chicago, Ill. Massage-vibrator. No. 900,602; Oct. 6; Sp. p. 1129; Dr. p. 231; Gaz. vol. 136; p. 1247.
- Shepard, A., Plantsville, and H. Mann, Torrington, Conn.; said Shepard assignor to said Mann. Portable savings-bank. No. 895,116; Aug. 4; Sp. p. 685; Dr. p. 143; Gaz. vol. 135; p. 1007.
- Shepard, A., Plantsville, and H. Mann, Torrington, Conn.; said Shepard assignor to said Mann. Savings-bank-calendar holder. No. 895,117; Aug. 4; Sp. p. 687; Dr. p. 143; Gaz. vol. 135; p. 1008.
- Shepard, A. A., *et al.* (See Ruple, F., assignor.)
- Shepard A. J., College Corner, Ohio. Animal-stop for drains. No. 891,012; June 16; Sp. p. 3717; Dr. p. 811; Gaz. vol. 134; p. 1710.
- Shepard, A. J., College Corner, assignor of one-third to H. Shepard, Hamilton, Ohio. Drain-inlet guard. No. 899,568; Sept. 29; Sp. p. 4596; Dr. p. 987; Gaz. vol. 136; p. 880.
- Shepard, C. H., New York, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 877,241; Jan. 21; Sp. p. 3212; Dr. p. 696; Gaz. vol. 132; p. 590.
- Shepard, C. H., New York, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 897,308; Sept. 1; Sp. p. 71; Dr. p. 18; Gaz. vol. 136; p. 16.
- Shepard, C. H., New York, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 903,327; Nov. 10; Sp. p. 1575; Gaz. vol. 137; p. 291.
- Shepard, C. W., Bellefourche, S. D. Stovepipe-hanger. No. 883,673; Mar. 31; Sp. p. 6376; Dr. p. 1359; Gaz. vol. 133; p. 1163.
- Shepard, E. T. (See Stark, N. G., assignor.)

Alphabetical list of patentees—Continued.

- Shepard, F. P., Edmond, Okla., assignor, by mesne assignments, to Copyograph Manufacturing Company. Copy-holder. No. 898,692; Sept. 15; Sp. p. 2927; Dr. p. 626; Gaz. vol. 136; p. 532.
- Shepard, G. W., Tecumseh, Okla. Baling-press. No. 884,530; Apr. 14; Sp. p. 1746; Dr. pp. 375-6; Gaz. vol. 133; p. 1500.
- Shepard, H. (See Shepard, A. J., assignor.)
- Shepard, J. G., Brooklyn, N. Y. Hat-lining. No. 903,513; Nov. 10; Sp. p. 1960; Gaz. vol. 137; p. 352.
- Shepard, J. M., Findlay, Ohio. Adjustable door-hinge. No. 903,328; Nov. 10; Sp. p. 1580; Gaz. vol. 137; p. 291.
- Shepard, M., Wayne, Mich. Egg-carrier. No. 898,514; Sept. 15; Sp. p. 2571; Dr. p. 549; Gaz. vol. 136; p. 474.
- Shepard, W. H. (See Briggs and Shepard.)
- Shephardson, A. L., *et al.* (See White, K. H., assignor.)
- Shepherd, C. F., Springfield, Mo. Printing device. No. 897,164; Aug. 25; Sp. p. 4814; Dr. pp. 1024-5; Gaz. vol. 135; p. 1744.
- Shepherd, E. G., Ottawa, Ontario, Canada. Mica-trimmer. No. 888,197; May 19; Sp. p. 3737; Dr. p. 784; Gaz. vol. 134; p. 668.
- Shepherd, E. S. (See Hauser and Shepherd.)
- Shepherd, J. (See Nolen and Shepherd.)
- Shepherd, J., Chicago, Ill. Signaling system. No. 886,879; May 5; Sp. p. 1091; Dr. p. 229; Gaz. vol. 134; p. 179.
- Shepherd, J., Chicago, Ill. Trolley. No. 886,880; May 5; Sp. p. 1095; Dr. p. 229; Gaz. vol. 134; p. 180.
- Shepherd, J., assignor to F. B. Ullery, Chicago, Ill. Animal-trap. No. 902,005; Oct. 27; Sp. p. 4068; Dr. p. 825; Gaz. vol. 136; p. 1799.
- Shepherd, J. E. (See Nolen, J. D., assignor.)
- Shepherd, J. E. (See Nolen and Shepherd, assignors.)
- Shepherd, J. E., Chicago, Ill. Automatic alarm system. No. 884,047; Apr. 7; Sp. p. 765; Dr. p. 159; Gaz. vol. 133; p. 1315.
- Shepherd, L., *et al.* (See Spence, S. D., assignor.)
- Shepherd, M. L., assignor of one-half to D. M. Smith Newark, Ohio. Railway signal system. No. 898,693; Sept. 15; Sp. p. 2929; Dr. p. 627; Gaz. vol. 136; p. 533.
- Sheppard, A. B., Pittsburg, Pa. Packing-box for photographic plates. No. 901,200; Oct. 13; Sp. p. 2334; Dr. p. 478; Gaz. vol. 136; p. 1468.
- Sheppard, A. B., Pittsburg, Pa. Device for transferring photographic plates. No. 901,201; Oct. 13; Sp. p. 2336; Dr. p. 479; Gaz. vol. 136; p. 1468.
- Sheppard, A. B., Pittsburg, Pa. Developing-plate holder. No. 901,202; Oct. 13; Sp. p. 2338; Dr. p. 479; Gaz. vol. 136; p. 1468.
- Sheppard, A. B., Pittsburg, Pa. Developing-package for photographic plates. No. 901,203; Oct. 13; Sp. p. 2342; Dr. pp. 479-80; Gaz. vol. 136; p. 1469.
- Sheppard, H. R., and E. A. Gesler, Greensburg, Pa. Gas-burner. No. 892,190; June 30; Sp. p. 6096; Dr. p. 1310; Gaz. vol. 134; p. 2160.
- Sheppard, H. S., Chicago, Ill. Making bottle-closures. No. 902,843; Nov. 3; Sp. p. 634; Gaz. vol. 137; p. 106.
- Sheppard, J. M., Crowell, Tex. Cotton-cleaner and gin-feeder. No. 898,072; Sept. 8; Sp. p. 1721; Dr. pp. 365-6; Gaz. vol. 136; p. 301.
- Sheppard, J. W., Bisbee, Ariz. Trench. No. 903,900; Nov. 17; Sp. p. 2770; Gaz. vol. 137; p. 509.
- Sheret, A., Victoria, British Columbia, Canada. Drain-board bracket. No. 899,337; Sept. 22; Sp. p. 4138; Dr. p. 886; Gaz. vol. 136; p. 768.
- Sheridan, A. J., assignor to J. C. Wilson, Kansas City, Mo. Filter. No. 897,418; Sept. 1; Sp. p. 369; Dr. p. 77; Gaz. vol. 136; p. 57.
- Sheridan, C. J. (See Higgins and Sheridan.)
- Sheridan, J., Franklin, Pa. Means for handling paving blocks or bricks. No. 888,662; May 26; Sp. p. 4696; Dr. p. 999; Gaz. vol. 134; p. 855.
- Sherman, C. D., and G. H. Link, Poughkeepsie, N. Y. Folding, cutting, and paste table. No. 893,813; July 21; Sp. p. 2998; Dr. pp. 613-14; Gaz. vol. 135; p. 531.
- Sherman, C. O., Rutland, Vt. Rotary engine. No. 882,428; Mar. 17; Sp. p. 3843; Dr. pp. 821-2; Gaz. vol. 133; p. 695.
- Sherman, G. C., assignor of one-half to M. Moore, Geneva, N. Y. Metallic shingle. No. 889,818; June 2; Sp. p. 1221; Dr. p. 282; Gaz. vol. 134; p. 1257.
- Sherman, H. B. (See Dobson, Wiley, and Hart, assignors.)
- Sherman, H. B., Battle Creek, Mich. Nailing-strip. No. 887,532; May 12; Sp. p. 2455; Dr. p. 518; Gaz. vol. 134; p. 423.
- Sherman, H. B., Battle Creek, Mich. Hose-clamp. No. 889,726; June 2; Sp. p. 1055; Dr. p. 243; Gaz. vol. 134; p. 1228.
- Sherman, H. N. L., Lawrence, and F. M. Lawrence, Mastic, N. Y. Screen for open fireplaces. No. 884,222; Apr. 7; Sp. p. 1144; Dr. p. 241; Gaz. vol. 133; p. 1372.
- Sherman, J., Grass Valley, Cal. Gas scrubber and washer. No. 890,938; June 16; Sp. p. 3559; Dr. p. 776; Gaz. vol. 134; p. 1685.
- Sherman, J. A. (See Flag and Smith, assignors.)
- Sherman, J. C., Brookline, Mass. Motor-carriage. No. 902,692; Nov. 3; Sp. p. 315; Gaz. vol. 137; p. 54.
- Sherman, T. H., Traverse City, Mich. Ear-muffler. No. 889,040; June 2; Sp. p. 878; Dr. p. 201; Gaz. vol. 134; p. 1202.
- Sherman, T. H., Traverse City, Mich. Merchandise-ticket. No. 898,694; Sept. 15; Sp. p. 2931; Dr. p. 627; Gaz. vol. 136; p. 533.
- Sherman, W. S., Milwaukee, Wis. Boring-machine. No. 879,918; Feb. 25; Sp. p. 4214; Dr. p. 879; Gaz. vol. 132; p. 1618.
- Shermer, G. F., Columbus, Ohio. Adjustable shade or curtain holder. No. 876,738; Jan. 14; Sp. p. 2156; Dr. p. 473; Gaz. vol. 132; p. 382.
- Sherrard, W. J., Cotton Gin, Tex. Vegetable-separator. No. 898,515; Sept. 15; Sp. p. 2572; Dr. p. 550; Gaz. vol. 136; p. 475.
- Sherrard, J. M., Easton, Pa., assignor to Taylor Iron and Steel Company, High Bridge, N. J. Tooth for excavating-shovels. No. 888,046; May 19; Sp. p. 3461; Dr. p. 726; Gaz. vol. 134; p. 621.
- Sherrard, J. M., Easton, Pa., assignor to Taylor Iron and Steel Company, High Bridge, N. J. Tooth for excavating-shovels. No. 888,047; May 19; Sp. p. 3465; Dr. p. 726; Gaz. vol. 134; p. 621.
- Sherriek, A., Lima, Ohio. Photographic developing apparatus. No. 890,379; June 9; Sp. p. 2397; Dr. pp. 528-9; Gaz. vol. 134; p. 1469.
- Sherriek, A., Lima, Ohio. Developing-tank. No. 890,380; June 9; Sp. p. 2400; Dr. p. 529; Gaz. vol. 134; p. 1470.
- Sherrell, S. T., Mexia, Tex. Harrow and cultivating implement. No. 885,535; Apr. 21; Sp. p. 3847; Dr. p. 804; Gaz. vol. 133; p. 1859.
- Sherwin, C., Ayer, Mass. Bookkeeping system. No. 886,081; Apr. 28; Sp. p. 4972; Dr. p. 1046; Gaz. vol. 133; p. 2066.
- Sherwin, F. T., Syracuse, N. Y. Advertising hat-clasp. No. 888,663; May 26; Sp. p. 4699; Dr. p. 999; Gaz. vol. 134; p. 855.
- Sherwin, I. S., Pittsburg, Pa. Window-shade holder. No. 889,860; June 2; Sp. p. 1302; Dr. p. 299; Gaz. vol. 134; p. 1272.
- Sherwin, P. D., *et al.* (See Olson, J. A., assignor.)
- Sherwin-Williams Company. (See Ballard, F. W., assignor.)
- Sherwood, A. H., Grand Rapids, Mich. Graining-machine. No. 906,946; Dec. 15; Sp. p. 3536; Gaz. vol. 137; p. 1629.
- Sherwood, C., Black Bear, Idaho, assignor of one-half to I. Walker, Taft, Mont. Ore-concentrating table. No. 906,464; Dec. 8; Sp. p. 2615; Gaz. vol. 137; p. 1450.
- Sherwood, E. L., Ridgewood, N. J. Card-supporting device. No. 889,340; June 2; Sp. p. 286; Dr. p. 69; Gaz. vol. 134; p. 1104.
- Sherwood, G. R., Oak Park, Ill. Preparing fiber stock from cornstalks and analogous plants. No. 905,374; Dec. 1; Sp. p. 489; Gaz. vol. 137; p. 1066.
- Sherwood, G. S., Shelbyville, Ky. Combined camp-stool and walking-stick. No. 883,674; Mar. 31; Sp. p. 6377; Dr. p. 1360; Gaz. vol. 133; p. 1163.
- Sherwood, J. M., assignor to Bridgeport Chain Company, Bridgeport, Conn. Reinforce for concrete structures. No. 902,335; Oct. 27; Sp. p. 4757; Dr. p. 960; Gaz. vol. 136; p. 1905.
- Sheuerman, S. L., Des Moines, Iowa. Smoke-preventing furnace. No. 891,298; June 23; Sp. p. 4277; Dr. p. 935; Gaz. vol. 134; p. 1834.
- Shevill, T. E., New York, N. Y. Curtain-hanging apparatus. No. 876,408; Jan. 14; Sp. p. 1440; Dr. p. 310; Gaz. vol. 132; p. 268.
- Shevlin, G. F., Saratoga Springs, N. Y., and F. D. Small, Woodland, Me.; said Shevlin assignor to Baker & Shevlin Company, Saratoga Springs, N. Y. Cooler for reclaimed liquor and gas in paper-pulp processes. No. 880,247; Feb. 25; Sp. p. 4866; Dr. p. 1030; Gaz. vol. 132; p. 1726.
- Shevlin, H. P. (See Shevlin, J. P. and H. P.)
- Shevlin, J. P., Denver, Colo. Water-motor. No. 898,516; Sept. 15; Sp. p. 2573; Dr. p. 550; Gaz. vol. 136; p. 475.
- Shevlin, J. P. and H. P., Denver, Colo. Water-motor. No. 904,567; Nov. 24; Sp. p. 4183; Gaz. vol. 137; p. 762.
- Shevlin, P. F., South Boston, Mass. Electric hoist or draft apparatus. No. 875,855; Jan. 7; Sp. p. 329; Dr. p. 33; Gaz. vol. 132; p. 61.
- Shewan, C., Plymouth, Pa. Safety device for mine-cages. No. 889,408; June 2; Sp. p. 437; Dr. p. 104; Gaz. vol. 134; p. 1127.
- Sheward, H. E., Upper Norwood, England. Anvil. No. 880,335; Feb. 25; Sp. p. 5034; Dr. p. 1062; Gaz. vol. 132; p. 1754.
- Shideed, A. G., Lawrence, Mass. Stop-motion. No. 885,875; Apr. 28; Sp. p. 4538; Dr. p. 952; Gaz. vol. 133; p. 1999.
- Shidler, F. L., *et al.* (See Remppe, J. E., assignor.)
- Shields, C. A., Montreal, Quebec, Canada. Button. No. 893,945; July 21; Sp. p. 3258; Dr. p. 671; Gaz. vol. 135; p. 572.
- Shields, C. W. (See Deane and Shields.)
- Shields, F. E., Massena, Iowa. Manure-spreader. No. 898,934; Sept. 15; Sp. p. 3355; Dr. pp. 720-1; Gaz. vol. 136; p. 610.
- Shields, G., Brooklyn, assignor to Empire Wolverine Manufacturing Company, New York, N. Y. Receptacle. No. 899,338; Sept. 22; Sp. p. 4139; Dr. p. 886; Gaz. vol. 136; p. 768.
- Shields, R., South Boston, assignor to Frank Ridlon Company, Boston, Mass. Trolley catcher and retriever. No. 889,264; June 2; Sp. p. 137; Dr. p. 34; Gaz. vol. 134; p. 1081.
- Shifley, I. J. (See Robertson and Shifley.)
- Shifman, A., *et al.* (See Schwartzman, J., assignor.)
- Shifman, S., *et al.* (See Schwartzman, J., assignor.)
- Shigon, N. A., New York, N. Y. Chuck. No. 876,244; Jan. 7; Sp. p. 1082; Dr. p. 236; Gaz. vol. 132; p. 184.

Alphabetical list of patentees—Continued.

- Shill, H. J., Jr. (See Spencer, G. W., assignor.)
 Shillin, F., Sundby, Minn. Car-stake. No. 903,418; Nov. 10; Sp. p. 1753; Gaz. vol. 137; p. 319.
 Shilling, G. (See Webb and Shilling.)
 Shimek, J. J., Cuba, Kans. Grate for cook-stoves. No. 880,105; Feb. 25; Sp. p. 4569; Dr. p. 963; Gaz. vol. 132; p. 1677.
 Shimek, J. J., Cuba, Kans. Convertible heating and cooking stove. No. 880,106; Feb. 25; Sp. p. 4572; Dr. p. 963; Gaz. vol. 132; p. 1678.
 Shimer, H. L., Garden City, Kans. Ant-trap. No. 885,536; Apr. 21; Sp. p. 3848; Dr. p. 894; Gaz. vol. 133; p. 1859.
 Shimerda, F., Swanton, Nebr. Stay-roller. No. 881,626; Mar. 10; Sp. p. 2270; Dr. p. 492; Gaz. vol. 133; p. 408.
 Shimp, G. M., Celina, Ohio. Motor-plow. No. 877,955; Feb. 4; Sp. p. 1116; Dr. p. 27; Gaz. vol. 132; p. 869.
 Shine, D. J., Las Vegas, Nev. Automatic electrical measuring apparatus. No. 899,193; Sept. 22; Sp. p. 3859; Dr. p. 825; Gaz. vol. 136; p. 722.
 Shingledecker, T. F. (See Draine and Shingledecker.)
 Shingleton, A. A., Cincinnati, Ohio. Automatic time-valve. No. 881,349; Mar. 10; Sp. p. 1698; Dr. pp. 367-8; Gaz. vol. 133; p. 317.
 Shingleton, A. A., Cincinnati, Ohio. Automatic time-valve. No. 883,121; Mar. 24; Sp. p. 5226; Dr. p. 1116; Gaz. vol. 133; p. 956.
 Shingleton, J. A., and C. H. Roberts, Nashville, Tenn. Railway-signal. No. 908,340; Dec. 29; Sp. p. 6439; Gaz. vol. 137; p. 2158.
 Shinn, C. B., and F. L. Denton, assignors of three-fifths to M. J. and T. F. Meagher, P. Allen, and D. D. Morgan, Springfield, Ill., and E. C. Cook, Indianapolis, Ind. Cotton-picker. No. 891,191; June 16; Sp. p. 4032; Dr. p. 883; Gaz. vol. 134; p. 1766.
 Shinn, E., New York, N. Y. Game device. No. 890,716; June 16; Sp. p. 3097; Dr. p. 680; Gaz. vol. 134; p. 1612.
 Shinn, E. W. (See Smythe and Shinn.)
 Shinn, W. C., Lincoln, Nebr. Machine for making cable lightning-rods. No. 887,277; May 12; Sp. p. 1896; Dr. p. 401-2; Gaz. vol. 134; p. 336.
 Shinn, W. C., Lincoln, Nebr. Electrical condenser. No. 907,296; Dec. 22; Sp. p. 4245; Gaz. vol. 137; p. 1781.
 Shinn, W. H., Carnegie, Pa. Pressed-steel journal-box for railway-cars. No. 890,805; June 16; Sp. p. 3288; Dr. p. 720; Gaz. vol. 134; p. 1642.
 Shipley, A. E., Nelson, British Columbia, Canada. Instantaneous water-heater. No. 884,223; Apr. 7; Sp. p. 1144; Dr. p. 241; Gaz. vol. 133; p. 1372.
 Shipley, H. F., Hampden, N. D. Automatic sheet-music turner and holder. No. 886,425; May 5; Sp. p. 167; Dr. p. 35; Gaz. vol. 134; p. 32.
 Shipley, J. J., Washington, D. C. Automatic headlight-deflecting mechanism. No. 902,117; Oct. 27; Sp. p. 4283; Dr. p. 868; Gaz. vol. 136; p. 1833.
 Shipley, M. (See Chard and Shipley.)
 Shipley, R. R., Chicago, Ill. Smoke-consumer. No. 889,641; June 2; Sp. p. 880; Dr. pp. 201-2; Gaz. vol. 134; p. 1202.
 Shipman, R., Sunbury, Pa. Speed-indicator. No. 903,793; Nov. 10; Sp. p. 2518; Gaz. vol. 137; p. 440.
 Shipp, S. B., New Brookland, S. C. Scavenger mechanism. No. 908,341; Dec. 29; Sp. p. 6441; Gaz. vol. 137; p. 2159.
 Shippen, J. N., Buffalo, Wyo. Horseshoe. No. 885,090; Apr. 21; Sp. p. 2902; Dr. p. 615; Gaz. vol. 133; p. 1714.
 Shiramine, K., Vancouver, British Columbia, Canada. Portable barbed machine for military defense. No. 883,494; Mar. 31; Sp. p. 6023; Dr. p. 1286; Gaz. vol. 133; p. 1110.
 Shires, J. A., Denver, Colo. Sleeper attachment for day-coaches. No. 876,887; Jan. 14; Sp. p. 2435; Dr. pp. 530-1; Gaz. vol. 132; p. 429.
 Shires, J. A., Denver, Colo. Music-notation. No. 881,085; Mar. 3; Sp. p. 1184; Dr. p. 256; Gaz. vol. 133; p. 201.
 Shires, J. A., Denver, Colo. Track-clearing device for railways. No. 893,878; July 21; Sp. p. 3131; Dr. p. 643; Gaz. vol. 135; p. 550.
 Shires, J. A., Denver, Colo. Sleeping attachment for cars. No. 906,070; Dec. 8; Sp. p. 1876; Gaz. vol. 137; p. 1322.
 Shirley, D. D., *et al.* (See Heydreich, A. B., assignor.)
 Shisler, S., Cleveland, Ohio. Cable-trace. No. 902,844; Nov. 3; Sp. p. 635; Gaz. vol. 137; p. 106.
 Shive, C. A., assignor to Peerless Promoting and Manufacturing Company, Cherryvale, Kans. Gearing. No. 880,336; Feb. 25; Sp. p. 5034; Dr. p. 1062; Gaz. vol. 132; p. 1754.
 Shively, E. M., Boulder, Colo. Waist. No. 897,165; Aug. 25; Sp. p. 4819; Dr. p. 1025; Gaz. vol. 135; p. 1745.
 Shively, J. B. (See Scott, F., assignor.)
 Shivers, G. C., Savannah, Ga. Folding umbrella. No. 886,426; May 5; Sp. p. 169; Dr. p. 35; Gaz. vol. 134; p. 32.
 Shlamowitz, H., New York, N. Y. Ventilator. No. 905,008; Nov. 24; Sp. p. 5103; Gaz. vol. 137; p. 909.
 Shockley, J. H., North Girard, Pa. Operating mechanism for fare-registers. No. 902,768; Nov. 3; Sp. p. 460; Gaz. vol. 137; p. 80.
 Shoemaker, A. H., assignor of two-thirds to W. I. Ewart, Seattle, Wash. Mop-wringer. No. 887,704; May 12; Sp. p. 2764; Dr. p. 584; Gaz. vol. 134; p. 479.
 Shoemaker, A. H., assignor of one-half to W. I. Ewart, Seattle, Wash. Rail-joint. No. 906,072; Dec. 8; Sp. p. 1882; Gaz. vol. 137; p. 1323.
 Shoemaker, A. H., assignor of one-half to W. I. Ewart, Seattle, Wash. Feed-bag. No. 906,831; Dec. 15; Sp. p. 3311; Gaz. vol. 137; p. 1593.
 Shoemaker, A. H., and A. P. Merrill, assignors to W. I. Ewart, Seattle, Wash. Nose-bag. No. 890,937; June 16; Sp. p. 3557; Dr. p. 776; Gaz. vol. 134; p. 1684.
 Shoemaker, C. A., Chicago, Ill. Tank-car. No. 894,294; July 28; Sp. p. 4024; Dr. p. 831; Gaz. vol. 135; p. 709.
 Shoemaker, C. A., Chicago, Ill., assignor to Baker-Vawter Company, Portland, Me. Binder-lock. No. 892,014; June 30; Sp. p. 5760; Dr. p. 1279; Gaz. vol. 134; p. 2102.
 Shoemaker, G. W., Montrose, Pa. Stove-lid. No. 888,357; May 19; Sp. p. 4045; Dr. p. 853; Gaz. vol. 134; p. 720.
 Shoemaker, H., Jersey City, N. J., assignor to International Telegraph Construction Company. Converter. No. 899,629; Sept. 29; Sp. p. 4736; Dr. p. 1014; Gaz. vol. 136; p. 900.
 Shoemaker, H., Jersey City, N. J., assignor to International Telegraph Construction Company. Receiving apparatus. No. 902,613; Nov. 3; Sp. p. 167; Gaz. vol. 137; p. 28.
 Shoemaker, J. E., Washington, D. C. Piano-playing attachment. No. 901,562; Oct. 20; Sp. p. 3138; Dr. p. 641; Gaz. vol. 136; p. 1624.
 Shoemaker, J. S., New Lothrop, Mich. Thill-coupling. No. 882,972; Mar. 24; Sp. p. 4938; Dr. p. 1049; Gaz. vol. 133; p. 908.
 Shoemaker, L. H., Sewickley, Pa. Counterbalance for lift-bridges. No. 887,131; May 12; Sp. p. 1576; Dr. pp. 334-5; Gaz. vol. 134; p. 289.
 Shoemaker, L. M., Pittsburg, Pa. Plate-holder. No. 897,668; Sept. 1; Sp. p. 870; Dr. p. 186; Gaz. vol. 136; p. 139.
 Shoemaker, S. D., Grogan, Ohio. Sheet-metal gutter. No. 882,801; Mar. 24; Sp. p. 4593; Dr. p. 979; Gaz. vol. 133; p. 851.
 Shoenberg, M. H., San Francisco, Cal. Electrical water-heater. No. 879,498; Feb. 18; Sp. p. 3300; Dr. p. 690; Gaz. vol. 132; p. 1447.
 Shoff, F., *et al.* (See Rote, C. V., assignor.)
 Shoff, F. (See Rote and Shee, assignors.)
 Shoffner, E. J., assignor of fifty-one one-hundredths to G. W. Merrell, Roanoke, Va. Pneumatic-tool retainer. No. 885,537; Apr. 21; Sp. p. 3848; Dr. p. 804; Gaz. vol. 133; p. 1859.
 Sholar, E. H., and W. W. Pace, East Chattanooga, Tenn., assignors to Volunteer Disc Plow Co. Disk plow. No. 900,219; Oct. 6; Sp. p. 305; Dr. p. 62; Gaz. vol. 136; p. 1122.
 Sholes, Z. G., Evanston, Ill., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 881,350; Mar. 10; Sp. p. 1702; Dr. p. 369; Gaz. vol. 133; p. 317.
 Shone, A. J., Rochester, N. Y. Washer for metallic bungs. No. 907,534; Dec. 22; Sp. p. 4703; Gaz. vol. 137; p. 1859.
 Shone, J. W., deceased, and J. N. Rauber, Rochester, N. Y.; W. V. Whitmore and C. F. Miller, executors. Apparatus for molding artificial-stone blocks. No. 877,870; Jan. 28; Sp. p. 4430; Dr. p. 965; Gaz. vol. 132; p. 812.
 Shonk, C. W., Chicago, Ill. Match-stand. No. 891,504; June 23; Sp. p. 4700; Dr. p. 1018; Gaz. vol. 134; p. 1902.
 Shontz, J. K. (See McDaniel and Shontz.)
 Shook, J. (See Ponder and Shook.)
 Shoop, G. D., Rock Island, Ill. Railway-crossing. No. 878,677; Feb. 11; Sp. p. 1675; Dr. p. 345; Gaz. vol. 132; p. 1142.
 Shoopman, A., Duke, Okla. Folding car-step attachment. No. 908,043; Dec. 29; Sp. p. 5805; Gaz. vol. 137; p. 2056.
 Shores, J. A., assignor of one-half to W. E. Crowder, Crowder, Okla. Brazier's lamp. No. 905,009; Nov. 24; Sp. p. 5106; Gaz. vol. 137; p. 910.
 Shorey, R. A. (See Long, A., assignor.)
 Short, E. C., St. Paul, Minn., assignor, by mesne assignments, to Steel Gain Manufacturing Company, Chicago, Ill. Support for pole cross-arms. (Reissue.) No. 12,878; Nov. 10; Sp. p. 2597; Gaz. vol. 137; p. 453.
 Short, E. H., Gassaway, W. Va. Mail-bag catcher. No. 907,186; Dec. 22; Sp. p. 3999; Gaz. vol. 137; p. 1741.
 Short, F. L., St. Louis, Mo. Cigar-holder for hats. No. 897,027; Aug. 25; Sp. p. 4556; Dr. p. 972; Gaz. vol. 135; p. 1700.
 Short, G. A., and O. Reck, West Milton, Ohio. Harvesting-machine. No. 908,342; Dec. 29; Sp. p. 6443; Gaz. vol. 137; p. 2159.
 Shortle, C. M. (See George and Shortle.)
 Shortman, E. H., Bloxwich, assignor of one-half to New Delaville Spelter Company, Limited, Spring Hill, England. Extracting zinc. No. 905,753; Dec. 1; Sp. p. 1269; Gaz. vol. 137; p. 1190.
 Shortman, E. H., Bloxwich, assignor of one-half to New Delaville Spelter Company Limited, Spring Hill, Birmingham, England. Apparatus for extracting zinc. No. 907,416; Dec. 22; Sp. p. 4468; Gaz. vol. 137; p. 1820.
 Shortt, E. G., *et al.* (See Shortt, H. G., assignor.)
 Shortt, E. T., St. Louis, Mo. Coffee-roaster. No. 886,427; May 5; Sp. p. 171; Dr. p. 36; Gaz. vol. 134; p. 33.
 Shortt, H. G., assignor of two-thirds to J. G. Jones and E. G. Shortt, Carthage, N. Y. Vacuum-actuated screen. No. 896,473; Aug. 18; Sp. p. 3379; Dr. pp. 726-7; Gaz. vol. 135; p. 1495.
 Shotwell, C. H., Akron, Ohio. Car-mover. No. 902,336; Oct. 27; Sp. p. 4758; Dr. p. 960; Gaz. vol. 136; p. 1906.

Alphabetical list of patentees—Continued.

- Shotwell, W. B., assignor of one-half to S. Early, Petersburg, Ky. Fence-clamp. No. 889,819; June 2; Sp. p. 1222; Dr. p. 282; Gaz. vol. 134; p. 1258.
- Shoup, W. L. (See Damon and Shoup.)
- Shourds, M. R., North River, Va. Vehicle-brake. No. 877,956; Feb. 4; Sp. p. 117; Dr. p. 28; Gaz. vol. 132; p. 869.
- Shourek, J., Pittsburg, Pa. Duplex air-pump. No. 886,428; May 5; Sp. p. 173; Dr. pp. 37-8; Gaz. vol. 134; p. 33.
- Shouvin, P. J. (See Harris, W. R., assignor.)
- Shover, B. R., Chicago, Ill., and A. C. Eastwood, Cleveland, Ohio. Controlling system for hoists. No. 885,961; Apr. 28; Sp. p. 4734; Dr. p. 995; Gaz. vol. 133; p. 2029.
- Showalter, G. B., Broadway, Va. Wagon-brake. No. 878,567; Feb. 11; Sp. p. 1443; Dr. p. 294; Gaz. vol. 132; p. 1105.
- Showalter, P. H., North River, Va. Vehicle-brake. No. 879,203; Feb. 18; Sp. p. 2693; Dr. p. 562; Gaz. vol. 132; p. 1350.
- Showell, C. P., Stirling, England. Manufacture of bull-rings. No. 881,726; Mar. 10; Sp. p. 2457; Dr. p. 529; Gaz. vol. 133; p. 438.
- Shrader, H., Dixon, Ill. Row-marker for planters. No. 883,244; Mar. 31; Sp. p. 5490; Dr. p. 1171; Gaz. vol. 133; p. 1026.
- Shredded Wheat Company. (See Perky, H. D., assignor.)
- Shreeve, D. G. and J. A., Union City, Ind. Hay gatherer and loader. No. 903,329; Nov. 10; Sp. p. 1581; Gaz. vol. 137; p. 291.
- Shreeve, H. E., Newton, Mass., assignor to American Telephone and Telegraph Company. Circuit system for telephone repeating apparatus. No. 897,028; Aug. 25; Sp. p. 4556; Dr. p. 973; Gaz. vol. 135; p. 1700.
- Shreeve, H. E., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Apparatus for speech transmission. No. 898,073; Sept. 8; Sp. p. 1724; Dr. p. 366; Gaz. vol. 136; p. 302.
- Shreeve, J. A. (See Shreeve, D. G. and J. A.)
- Shreffler, J. C., Chicago, Ill. Mixing apparatus. No. 905,375; Dec. 1; Sp. p. 494; Gaz. vol. 137; p. 1067.
- Shreve, I. S. (See Shreve, W. M. and I. S.)
- Shreve, W. M. and I. S., Philadelphia, Pa. Self-oiling die-stock. No. 908,343; Dec. 29; Sp. p. 6445; Gaz. vol. 137; p. 2159.
- Shriver, S. D., and L. D. Wall, King City, Mo. Shipping-crate. No. 908,159; Dec. 29; Sp. p. 6046; Gaz. vol. 137; p. 2095.
- Shrock, H. E., Kokomo, Ind. Nut-lock. No. 884,531; Apr. 14; Sp. p. 1748; Dr. p. 376; Gaz. vol. 133; p. 1500.
- Shrope, A. J., Mechanicsville, Iowa. Gate. No. 887,971; May 19; Sp. p. 3317; Dr. p. 697; Gaz. vol. 134; p. 597.
- Shuchka, J. J., Rochester, N. Y. Means for flushing and ventilating closets. No. 904,653; Nov. 24; Sp. p. 4354; Gaz. vol. 137; p. 791.
- Shue, S. W., Dayton, Ohio. Miter-box. No. 903,901; Nov. 17; Sp. p. 2771; Gaz. vol. 137; p. 509.
- Shufelt, W. R., Niverville, N. Y. Vegetable-topping machine. No. 877,670; Jan. 28; Sp. p. 4079; Dr. p. 883; Gaz. vol. 132; p. 750.
- Shugart, C. S., Fairmount, Ind. Knockdown barrel. No. 880,926; Mar. 3; Sp. p. 893; Dr. p. 193; Gaz. vol. 133; p. 150.
- Shugart, C. S., Jonesboro, Ind. Mechanical movement. No. 906,947; Dec. 15; Sp. p. 3538; Gaz. vol. 137; p. 1630.
- Shukoff, A. A., St. Petersburg, Russia. Making terpene esters. No. 900,316; Oct. 6; Sp. p. 524; Gaz. vol. 136; p. 1154.
- Shula, F. (See Racouillat and Reid, assignors.)
- Shuller, S., Pittsburg, Pa. Rail-joint. No. 892,191; June 30; Sp. p. 6096; Dr. p. 1310; Gaz. vol. 134; p. 2160.
- Shulman, L., Philadelphia, Pa. Detachable cuff for coats. No. 888,757; May 26; Sp. p. 4876; Dr. p. 1039; Gaz. vol. 134; p. 884.
- Shultes, I., Martin, Mich. Loose-leaf binder. No. 882,429; Mar. 17; Sp. p. 3848; Dr. p. 822; Gaz. vol. 133; p. 696.
- Shults, H. H., Cherry Creek, N. Y. Combined assorting-table and rack. No. 890,381; June 9; Sp. p. 2403; Dr. pp. 529-30; Gaz. vol. 134; p. 1470.
- Shultz, A. B., assignor of one-half to H. H. Hewitt, Buffalo, N. Y. Automobile. No. 883,982; Apr. 7; Sp. p. 635; Dr. p. 127; Gaz. vol. 133; p. 1294.
- Shultz, D. J., Salt Lake City, Utah. Sled-propeller. No. 891,870; June 30; Sp. p. 5477; Dr. p. 1183; Gaz. vol. 134; p. 2056.
- Shultz, F. G. (See Moar, J. T., assignor.)
- Shultz, G. U., Reading, Pa. Car-fender. No. 888,358; May 19; Sp. p. 4047; Dr. p. 853; Gaz. vol. 134; p. 720.
- Shumaker, C. F., assignor to Invincible Grain Cleaner Company, Silver Creek, N. Y. Pea-separating machine. No. 906,168; Dec. 8; Sp. p. 2072; Gaz. vol. 137; p. 1355.
- Shumaker, G. M., *et al.* (See Fetzer, A. H., assignor.)
- Shumaker, M. E., *et al.* (See Fetzer, A. H., assignor.)
- Shuman, A. (See Shuman, F. and A.)
- Shuman, A., Connellsville, Pa., assignor to Continuous Glass Press Company. Wire-glass. No. 889,978; June 9; Sp. p. 1558; Dr. p. 351; Gaz. vol. 134; p. 1337.
- Shuman, A. F., Chicago, Ill. Railway-tie. No. 875,856; Jan. 7; Sp. p. 331; Dr. p. 74; Gaz. vol. 132; p. 61.
- Shuman, C. (See Shuman, F. and C.)
- Shuman, F., Philadelphia, Pa. Roll and making same. No. 889,341; June 2; Sp. p. 287; Dr. p. 69; Gaz. vol. 134; p. 1105.
- Shuman, F., Philadelphia, Pa. Concrete pile and constructing the same. No. 898,517; Sept. 15; Sp. p. 2576; Dr. pp. 550-1; Gaz. vol. 136; p. 475.
- Shuman, F., assignor to Continuous Glass Press Company, Philadelphia, Pa. Manufacture of wire-glass. No. 875,857; Jan. 7; Sp. p. 332; Dr. p. 74; Gaz. vol. 132; p. 61.
- Shuman, F., assignor to Continuous Glass Press Company, Philadelphia, Pa. Machine for the manufacture of wire-glass. No. 876,307; Jan. 7; Sp. p. 1230; Dr. p. 268; Gaz. vol. 132; p. 206.
- Shuman, F., Philadelphia, and A. Shuman, Connellsville, Pa., assignors to Continuous Glass Press Company. Wire-glass structure. No. 905,469; Dec. 1; Sp. p. 723; Gaz. vol. 137; p. 1100.
- Shuman, F. and C., assignors to said F. Shuman, W. Erben, and C. H. Harding, Philadelphia, Pa. Extracting grease and potash salts from wool. No. 899,339; Sept. 22; Sp. p. 4140; Dr. pp. 886-7; Gaz. vol. 136; p. 768.
- Shuman, F. and C., assignors to said F. Shuman, W. Erben, and C. H. Harding, Philadelphia, Pa. Apparatus for extracting grease and potash salts from wool. No. 899,440; Sept. 22; Sp. p. 4314; Dr. p. 927; Gaz. vol. 136; p. 800.
- Shumate, J. M., Forest City, Mo. Steam-trap. No. 892,766; July 7; Sp. p. 729; Dr. p. 154; Gaz. vol. 135; p. 126.
- Shumate, J. R. (See Shafer, J. C., assignor.)
- Shumate, J. W., assignor to G. W. White, Minneapolis, and V. Lockwood, Motley, Minn. Device for preventing flies from entering open doorways. No. 877,602; Jan. 28; Sp. p. 3939; Dr. p. 852; Gaz. vol. 132; p. 727.
- Shumate, W. J., *et al.* (See Dyer, C. A., assignor.)
- Shumer, F. F., Norwalk, Ohio. Tooth-brush. No. 882,352; Mar. 17; Sp. p. 3728; Dr. p. 793; Gaz. vol. 133; p. 671.
- Shurtleff, W., Moline, Ill. Electric motor. No. 897,166; Aug. 25; Sp. p. 4821; Dr. p. 1025; Gaz. vol. 135; p. 1745.
- Shurtz, S. E., Pittsburg, Pa. Ironing-board. No. 881,727; Mar. 10; Sp. p. 2458; Dr. p. 529; Gaz. vol. 133; p. 438.
- Shuster, A. E., North Bend, Oreg. Device for supporting umbrellas and the like. No. 877,802; Jan. 28; Sp. p. 4301; Dr. pp. 933-4; Gaz. vol. 132; p. 790.
- Shute, C. S., Boston, Mass. Locking device for adjustable heels. No. 887,020; May 5; Sp. p. 1350; Dr. p. 286; Gaz. vol. 134; p. 225.
- Shutt, E. A. (See Adams and Shutt.)
- Shutts, D. S., New Brighton, Pa. Shade and curtain bracket. No. 879,684; Feb. 18; Sp. p. 3699; Dr. p. 775; Gaz. vol. 132; p. 1507.
- Sibert, E. R., Colorado Springs, Colo. Chuck. No. 906,315; Dec. 8; Sp. p. 2355; Gaz. vol. 137; p. 1404.
- Sibley, C. C. (See Lutz and Sibley.)
- Sibley, C. C., Perth Amboy, N. J. Method and means for making glass lamp-shades. No. 876,102; Jan. 7; Sp. p. 812; Dr. p. 175; Gaz. vol. 132; p. 138.
- Sibley, G. H., Springfield, Mass. Roll-toilet-paper machine. No. 886,332; Apr. 28; Sp. p. 5482; Dr. p. 1148; Gaz. vol. 133; p. 2151.
- Sibley, J. T., London, England. Receptacle or case for containing rolls of perforated music. No. 905,242; Dec. 1; Sp. p. 238; Gaz. vol. 137; p. 1024.
- Sibson, H. E., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Means for purifying and regulating water. No. 883,245; Mar. 31; Sp. p. 5493; Dr. pp. 1171-2; Gaz. vol. 133; p. 1027.
- Sibson, W. W. (See Alsopp and Sibson.)
- Sichert, A., Karlsbad, Austria-Hungary. Smoke-consuming furnace. No. 885,300; Apr. 21; Sp. p. 3359; Dr. p. 703; Gaz. vol. 133; p. 1784.
- Sicka, L. T., and J. P. Collins, assignors of one-third to W. M. Kirkpatrick, Butte, Mont. Dust arrester and sludger. No. 895,693; Aug. 11; Sp. p. 1832; Dr. p. 390; Gaz. vol. 135; p. 1221.
- Sickles, F. D., Maumee, Ohio. Invalid-support. No. 885,388; Apr. 21; Sp. p. 3556; Dr. p. 744; Gaz. vol. 133; p. 1814.
- Sickles, F. W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 888,428; May 19; Sp. p. 4201; Dr. p. 891; Gaz. vol. 134; p. 745.
- Sickles, M. L., New York, N. Y. Drop-curtain. No. 876,844; Jan. 14; Sp. p. 2340; Dr. p. 513; Gaz. vol. 132; p. 414.
- Sicklesteel, F. A., North Branch, Mich. Mixing-machine. No. 907,297; Dec. 22; Sp. p. 4247; Gaz. vol. 137; p. 1782.
- Sciotte, F. (See Tunstall and Sciotte.)
- Sciotte, P., Lansing, Kans. Fastener. No. 882,430; Mar. 17; Sp. p. 3849; Dr. p. 822; Gaz. vol. 133; p. 696.
- Sideman, R., San Francisco, Cal. Skirt-marker. No. 885,876; Apr. 28; Sp. p. 4540; Dr. pp. 952-3; Gaz. vol. 133; p. 1999.
- Sieben, H., Kansas City, Mo. Fire-extinguisher. No. 876,917; Jan. 14; Sp. p. 2499; Dr. p. 545; Gaz. vol. 132; p. 439.
- Sieben, H., Kansas City, Mo., assignor of one-half to J. P. Batchelor, Valley Falls, Kans., and G. Blake, Kansas City, Mo. Chemical-spraying nozzle. No. 887,856; May 19; Sp. p. 3099; Dr. p. 649; Gaz. vol. 134; p. 559.

Alphabetical list of patentees—Continued.

- Sieben, H., assignor of two-fourths to A. H. Glasner and L. E. Wyne, Kansas City, Mo. Gas-controlling apparatus. No. 903,794; Nov. 10; Sp. p. 2524; Gaz. vol. 137; p. 441.
- Sieben, H., and L. Danhoff, Chicago, Ill. Furnace-grate. No. 878,246; Feb. 4; Sp. p. 725; Dr. p. 147; Gaz. vol. 132; p. 965.
- Sieber & Trussell Mfg. Co. (See Dawson, J. C., assignor.)
- Sieber & Trussell Mfg. Co. (See Nelson, C. R., assignor.)
- Siebert, C. M., Jr., Columbus, Ohio. Cup or head for massage devices. No. 893,021; July 14; Sp. p. 1292; Dr. p. 272; Gaz. vol. 135; p. 241.
- Siebrasse, E. (See Voth and Siebrasse.)
- Siedle, E., Yonkers, N. Y. Automatic door-opener. No. 893,022; July 14; Sp. p. 1293; Dr. p. 272; Gaz. vol. 135; p. 241.
- Siedschlag, H., Monroe, Wis. Cattle-stanchion. No. 878,428; Feb. 4; Sp. p. 1070; Dr. p. 217; Gaz. vol. 132; p. 1024.
- Siefert, J., Winnipegosis, Manitoba, Canada. Potato-planting machine. No. 885,963; Apr. 28; Sp. p. 4741; Dr. p. 996; Gaz. vol. 133; p. 2029.
- Sieg-Rheinische Hütten Actiengesellschaft. (See Matzke, T., assignor.)
- Siegel, A., Berlin, Germany, assignor to General Electric Company. Multistage pump for producing a vacuum or compressing gases. No. 897,498; Sept. 1; Sp. p. 527; Dr. p. 112; Gaz. vol. 136; p. 84.
- Siegel, C. F. (See Beal, G. F., assignor.)
- Siegel, J. (See Roselsky and Siegel.)
- Siegel, L., and J. Becker, Chicago, Ill.; said Becker assignor to said Siegel. Pruning-shears. No. 893,023; July 14; Sp. p. 1294; Dr. p. 272; Gaz. vol. 135; p. 241.
- Siegel, R., Cincinnati, Ohio. Dental-brooch-covering mechanism. No. 893,665; July 21; Sp. p. 2623; Dr. p. 549; Gaz. vol. 135; p. 481.
- Siegenthaler, G., Fremont, Ohio. Hame attachment. No. 902,843; Nov. 3; Sp. p. 636; Gaz. vol. 137; p. 106.
- Siegrfried, G., Chicago, Ill. Hair-drying device. No. 900,434; Oct. 6; Sp. p. 765; Dr. p. 158; Gaz. vol. 136; p. 1193.
- Siegrfried, J. A., Monmouth, Ill. Mail-box. No. 889,727; June 2; Sp. p. 1056; Dr. p. 244; Gaz. vol. 134; p. 1223.
- Siegrfried, J. H., Lemore, Cal. Mower. No. 903,795; Nov. 10; Sp. p. 2526; Gaz. vol. 137; p. 441.
- Siegrfried, R., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 883,246; Mar. 31; Sp. p. 5495; Dr. p. 1172; Gaz. vol. 133; p. 1027.
- Siegrfried, R., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supporting structure for dynamo-electric machines. No. 883,247; Mar. 31; Sp. p. 5497; Dr. p. 1172; Gaz. vol. 133; p. 1027.
- Siegrfried, R., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supporting structure for dynamo-electric machines. No. 883,248; Mar. 31; Sp. p. 5499; Dr. p. 1172; Gaz. vol. 133; p. 1028.
- Siegmund, R., assignor to Allis-Chalmers Company, Milwaukee, Wis. Governor. No. 899,569; Sept. 29; Sp. p. 4597; Dr. pp. 987-8; Gaz. vol. 136; p. 880.
- Siegmund, R., assignor to Allis-Chalmers Company, Milwaukee, Wis. Centrifugal governor. No. 899,570; Sept. 29; Sp. p. 4601; Dr. p. 988; Gaz. vol. 136; p. 881.
- Siegrist, J. M., Oswego, N. Y. Trolley-wheel. No. 879,593; Feb. 18; Sp. p. 3514; Dr. p. 736; Gaz. vol. 132; p. 1478.
- Siegwart, F. J., Pittsburg, Pa. Insulator. No. 897,669; Sept. 1; Sp. p. 871; Dr. p. 186; Gaz. vol. 136; p. 139.
- Siemens & Halske, A. G. (See Bolton, W. von, assignor.)
- Siemens & Halske, A. G. (See Franke, A., assignor.)
- Siemens & Halske, A. G. (See Pfeil, R., assignor.)
- Siemens & Halske, A. G. (See Tanke, E., assignor.)
- Siemens & Halske Aktien-Gesellschaft. (See Grabe, G., assignor.)
- Siemens-Schuckert-Werke, G. M. B. H. (See Lewin, G., assignor.)
- Siemens-Schuckertwerke G. M. B. H. (See Krell, O., assignor.)
- Siemens-Schuckertwerke, Gesellschaft mit beschränkter Haftung. (See Hoffmann, C., assignor.)
- Siemsen, J., assignor of two-thirds to J. H. Bearss and D. L. Klinzman, Kearney, Nebr. Draft-equalizer. No. 903,330; Nov. 10; Sp. p. 1582; Gaz. vol. 137; p. 292.
- Siepermann, J. W., and E. Fudickar, Elberfeld, Germany. Air-pump. No. 885,301; Apr. 21; Sp. p. 3361; Dr. p. 703; Gaz. vol. 133; p. 1784.
- Sierra, V. J., San Francisco, Cal. Soap composition. No. 901,204; Oct. 13; Sp. p. 2345; Gaz. vol. 136; p. 1469.
- Siever, J. F., and W. H. Neffen, Keyser, W. Va. Illuminated toy. No. 876,739; Jan. 14; Sp. p. 2157; Dr. p. 474; Gaz. vol. 132; p. 382.
- Sievert, C. W., Los Angeles, Cal. Wrench. No. 877,457; Jan. 21; Sp. p. 3621; Dr. p. 784; Gaz. vol. 132; p. 658.
- Sievert, C. W., Los Angeles, Cal. Pipe-vice. No. 904,234; Nov. 17; Sp. p. 3490; Gaz. vol. 137; p. 624.
- Sievert, C. W., Los Angeles, Cal. Flanging-machine. No. 905,376; Dec. 1; Sp. p. 497; Gaz. vol. 137; p. 1068.
- Siewers, W. L., Winston Salem, N. C. Shirt. No. 879,685; Feb. 18; Sp. p. 3700; Dr. p. 775; Gaz. vol. 132; p. 1508.
- Sigafoos, R. B., Denver, Colo. Rotary tunneling-machine. No. 901,392; Oct. 20; Sp. p. 2766; Dr. p. 564; Gaz. vol. 136; p. 1568.
- Sigaudy, P., Le Havre, assignor to Ste. des Massageries Fluviales de France and Ste. Ame des Forges et Chantiers de la Mediterranee, Paris, France. River-boat. No. 905,377; Dec. 1; Sp. p. 498; Gaz. vol. 137; p. 1068.
- Sigel, F. (See Knobloch, J., assignor.)
- Siggers, E. G. (See Helm, F. and C. J., assignors.)
- Siggins, F. E., Craddock, W. Va. Cross-line buckle. No. 882,175; Mar. 17; Sp. p. 3394; Dr. p. 721; Gaz. vol. 133; p. 614.
- Sigler, E. A., Coleman, Mich. Folding poultry-roost. No. 901,843; Oct. 20; Sp. p. 3719; Dr. p. 756; Gaz. vol. 136; p. 1715.
- Sigler, R. F., Upper Sandusky, Ohio. Hollow-shock core. No. 887,705; May 12; Sp. p. 2765; Dr. p. 585; Gaz. vol. 134; p. 480.
- Sigmund Ullman Company. (See Ullman and Howell, assignors.)
- Signal and Control Company. (See Aylward, H. W., assignor.)
- Signor, R. L. (See Hill, J., assignor.)
- Sigrist, J., et al. (See Joy, S. W., assignor.)
- Sigurdsson, O. V., assignor to Oddur Manufacturing Company, New York, N. Y. Type-casting machine. No. 889,820; June 2; Sp. p. 1223; Dr. pp. 283-4; Gaz. vol. 134; p. 1258.
- Sigurdsson, O. V., assignor to Oddur Manufacturing Company, New York, N. Y. Type casting and composing machine. No. 903,331; Nov. 10; Sp. p. 1584; Gaz. vol. 137; p. 292.
- Sihler, J. (See Schulz and Sihler.)
- Sikes, S. J., Gainesville, Fla. Bucket. No. 884,870; Apr. 14; Sp. p. 2472; Dr. p. 520; Gaz. vol. 133; p. 1614.
- Silbermann, T. (See Ostrogovich and Silbermann.)
- Silberstein, M. (See Brockmann, E. C., assignor.)
- Silbert, H., assignor of one-half to A. Allan, Buffalo, N. Y. Eyeglass or spectacle mounting. No. 882,540; Mar. 17; Sp. p. 4071; Dr. p. 826; Gaz. vol. 133; p. 733.
- Silger, C., and I. Deatherage, Duluth, Minn. Cigar-banding device. No. 898,273; Sept. 8; Sp. p. 2102; Dr. p. 447; Gaz. vol. 136; p. 364.
- Silin, N. (See Logue, T. D., assignor.)
- Silk, E. E., assignor to Barco Brass and Joint Company, Chicago, Ill. Flexible fluid-joint. No. 900,603; Oct. 6; Sp. p. 1131; Dr. p. 232; Gaz. vol. 136; p. 1248.
- Sill, E. L., Bloomington, Ill. Horse-collar. No. 893,024; July 14; Sp. p. 1296; Dr. p. 273; Gaz. vol. 135; p. 242.
- Sill, S. J., assignor of one-half to H. H. Hewitt, Buffalo, N. Y. Apparatus for capping hose-sections. No. 885,797; Apr. 28; Sp. p. 4391; Dr. p. 919; Gaz. vol. 133; p. 1972.
- Sill, S. J., assignor of one-half to H. H. Hewitt, Buffalo, N. Y. Machine for removing rubber hose from mandrels. No. 890,578; June 9; Sp. p. 2769; Dr. p. 612; Gaz. vol. 134; p. 1534.
- Sill, S. J., assignor of one-half to H. H. Hewitt, Buffalo, N. Y. Machine for removing wrappers from hose after the vulcanizing operation and for rewinding said wrappers on mandrels. No. 893,390; July 14; Sp. p. 2000; Dr. pp. 419-20; Gaz. vol. 135; p. 361.
- Sill, S. J., assignor of one-third to H. H. Hewitt, Buffalo, N. Y. Vulcanizing-mandrel for rubber hose. No. 897,309; Sept. 1; Sp. p. 75; Dr. p. 18; Gaz. vol. 136; p. 16.
- Sill Stove Works. (See Stowe, W. A., assignor.)
- Siller, A. von, Washington, D. C. Apparatus for mixing concrete. No. 894,749; July 28; Sp. p. 4911; Dr. p. 1022; Gaz. vol. 135; p. 857.
- Sillett, H. C., Salt Lake City, Utah. Deep-well cable-pump. No. 892,093; June 30; Sp. p. 5893; Dr. p. 1269; Gaz. vol. 134; p. 2126.
- Sills, B. H., et al. (See Thompson, E. J., assignor.)
- Sills, B. H., Ottawa, Ontario, Canada. Grip-tread for pneumatic tires. No. 901,654; Oct. 20; Sp. p. 3312; Dr. p. 681; Gaz. vol. 136; p. 1652.
- Silva, L. M., Bogota, Columbia. Bicycle. No. 902,920; Nov. 3; Sp. p. 780; Gaz. vol. 137; p. 129.
- Silverberg, J., Pittsburg, Pa. Siphon. No. 895,694; Aug. 11; Sp. p. 1834; Dr. p. 390; Gaz. vol. 135; p. 1222.
- Silverman, J. (See Bartlett, M. J., assignor.)
- Silvermann, E. M., New York, N. Y. Clip. No. 893,666; July 21; Sp. p. 2625; Dr. p. 549; Gaz. vol. 135; p. 481.
- Silvers, W. (See Plunkett and Silvers.)
- Silverson, N., New York, N. Y. Folding bed. No. 876,498; Jan. 14; Sp. p. 1642; Dr. p. 356; Gaz. vol. 132; p. 300.
- Silverson, N., New York, N. Y. Telephone-controlling device. No. 891,961; June 30; Sp. p. 5672; Dr. p. 1221; Gaz. vol. 134; p. 2086.
- Silverston, A. R., assignor of one-half to W. W. Plankinton, Milwaukee, Wis. Air-ship. No. 900,041; Sept. 29; Sp. p. 5605; Dr. pp. 1196-7; Gaz. vol. 136; p. 1034.

Alphabetical list of patentees—Continued.

- Silverwood, T. A., London, England. Tire for vehicle-wheels. No. 881,728; Mar. 10; Sp. p. 2460; Dr. p. 530; Gaz. vol. 133; p. 438.
- Silverwood, T. A., London, England. Vehicle-wheel. No. 904,023; Nov. 17; Sp. p. 3020; Gaz. vol. 137; p. 550.
- Silvey, G. F., assignor of five-eighths to S. D. and S. W. Montgomery, Alexandria, Ind. Gas-generator. No. 897,792; Sept. 1; Sp. p. 1109; Dr. p. 238; Gaz. vol. 136; p. 178.
- Simanek, W. J., Racine, Wis. Tobacco case or cabinet. No. 908,344; Dec. 29; Sp. p. 6447; Gaz. vol. 137; p. 2160.
- Simcox, T. W. (See Lefferts and Simcox.)
- Simmance, J. F., and J. Abady, London, England. Gas-analysis apparatus. No. 887,706; May 12; Sp. p. 2766; Dr. p. 585; Gaz. vol. 134; p. 480.
- Simmen, P. J., Oakland, Cal. Electric block-signal system. No. 903,796; Nov. 10; Sp. p. 2529; Gaz. vol. 137; p. 442.
- Simmonds, A. D., Kansas City, Mo. Nursery rocking-chair. No. 900,788; Oct. 13; Sp. p. 1530; Dr. p. 311; Gaz. vol. 136; p. 1335.
- Simmonds, J., Utica, N. Y. Pedal attachment. No. 880,585; Mar. 3; Sp. p. 193; Dr. p. 41; Gaz. vol. 133; p. 35.
- Simmons, A. H. (See Lendi and Simmons.)
- Simmons, C. L., Spokane, Wash. Grapple. No. 905,010; Nov. 24; Sp. p. 5108; Gaz. vol. 137; p. 910.
- Simmons, G. W., Richmond, Ind. Window-weight. No. 890,535; June 9; Sp. p. 2686; Dr. p. 592; Gaz. vol. 134; p. 1519.
- Simmons, I. J., Clairton, Pa. Paper-sack holder. No. 877,671; Jan. 28; Sp. p. 4080; Dr. p. 883; Gaz. vol. 132; p. 750.
- Simmons, J. B., Johnstown, Pa. Runner for go-carts. No. 895,310; Aug. 4; Sp. p. 1090; Dr. p. 228; Gaz. vol. 135; p. 1073.
- Simmons, J. L., assignor to A. A. Birney and A. J. Schipert, Washington, D. C. Coin-controlled apparatus. No. 906,571; Dec. 15; Sp. p. 2818; Gaz. vol. 137; p. 1511.
- Simmons, J. F., assignor to Harron, Rickard & McCone, San Francisco, Cal. Sandpapering-machine. No. 889,554; June 2; Sp. p. 730; Dr. p. 168; Gaz. vol. 134; p. 1174.
- Simmons, L. M., Reynoldsville, Pa. Gas-mixer. No. 904,363; Nov. 17; Sp. p. 3755; Gaz. vol. 137; p. 668.
- Simmons, M. D., Portland, Ore. Saw-tooth tool. No. 885,389; Apr. 21; Sp. p. 3557; Dr. p. 744; Gaz. vol. 133; p. 1814.
- Simmons Manufacturing Company. (See Rudd, O., assignor.)
- Simmons Mfg. Co. (See Hunt, O. E., assignor.)
- Simmons, O. G., Washington, D. C. Combustion-engine. No. 903,902; Nov. 17; Sp. p. 2774; Gaz. vol. 137; p. 510.
- Simmons, T. J., assignor to Fort Worth Gun Machinery Company, Fort Worth, Tex. Cotton elevator and distributor. No. 902,921; Nov. 3; Sp. p. 782; Gaz. vol. 137; p. 130.
- Simmons, W. H., New York, N. Y. Dress-shield. No. 906,825; Dec. 15; Sp. p. 3296; Gaz. vol. 137; p. 1591.
- Simms, H. W., Bay City, Mich. Pipe-wrench. No. 882,272; Mar. 17; Sp. p. 3579; Dr. p. 759; Gaz. vol. 133; p. 645.
- Simon, A. L., Roanoke, Ind. Three-horse evener. No. 891,447; June 23; Sp. p. 4584; Dr. p. 996; Gaz. vol. 134; p. 1883.
- Simon, A. M., New York, N. Y. Pictorial mailing-card. No. 883,352; Mar. 31; Sp. p. 5701; Dr. p. 1217; Gaz. vol. 133; p. 1061.
- Simon, C., West Hoboken, and J. C. Drucklieb, Montclair, N. J. Cigarette-making machine. No. 907,188; Dec. 22; Sp. p. 4003; Gaz. vol. 137; p. 1742.
- Simon-Carves Bye-Product Coke-Oven Construction and Working Company, Limited. (See Ledoux, E., assignor.)
- Simon, G., Indianapolis, Ind. Vehicle. No. 894,544; July 28; Sp. p. 4528; Dr. p. 938; Gaz. vol. 135; p. 791.
- Simonds, F. A., Grand Rapids, assignor to Simonds Heating and Specialty Company, Fremont, Mich. Vacuum apparatus for steam-heating systems. No. 893,269; July 14; Sp. p. 1782; Dr. pp. 374-5; Gaz. vol. 135; p. 322.
- Simonds, F. A., assignor of one-half to H. L. Gregory and W. H. Canfield, Grand Rapids, Mich. Pressure-regulator. No. 903,142; Nov. 3; Sp. p. 1209; Gaz. vol. 137; p. 198.
- Simonds Heating and Specialty Company. (See Simonds, F. A., assignor.)
- Simonds Manufacturing Co. (See Remington, A. M., assignor.)
- Simons, E. D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Snap-fastener socket. No. 900,789; Oct. 13; Sp. p. 1531; Dr. p. 311; Gaz. vol. 136; p. 1335.
- Simons, E. W., Schuyler, Nebr. Cornmeal product. No. 876,662; Jan. 14; Sp. p. 2019; Gaz. vol. 132; p. 358.
- Simons, F., Buffalo, N. Y. Support for telephone-receivers. No. 895,695; Aug. 11; Sp. p. 1835; Dr. p. 391; Gaz. vol. 135; p. 1222.
- Simons, H. (See Heil, A., assignor.)
- Simons, H. C., Philadelphia, Pa. Box for soap, polish, pomade, &c. No. 903,332; Nov. 10; Sp. p. 1597; Gaz. vol. 137; p. 292.
- Simonsen, J. C., Rockford, Ill. Motor-vehicle. No. 876,406; Jan. 14; Sp. p. 1442; Dr. p. 310; Gaz. vol. 132; p. 268.
- Simpkin, R. A., Chicago, Ill. Device for obtaining color combinations. No. 901,655; Oct. 20; Sp. p. 3313; Dr. p. 681; Gaz. vol. 136; p. 1653.
- Simple Railway Appliance Company. (See Millies, H. C., assignor.)
- Simplex Company. (See Brandt, J. A., assignor.)
- Simplex Electric Heating Company. (See Ayer, J. I., assignor.)
- Simplex Electric Heating Company. (See Ayer and Gale, assignors.)
- Simplex Electric Heating Company. (See Chandler, E. N., assignor.)
- Simplex Engineering Co. (See Schmid, J. V., assignor.)
- Simplex Faucet Company. (See Whitney, C. B., assignor.)
- Simplex Manufacturing Co. (See Kimble, S. M., assignor.)
- Simplex Manufacturing Company. (See Fancher and Parmelee, assignors.)
- Simplex Piano Player Company. (See Brown, T. P., assignor.)
- Simplex Press Company. (See Thomas, J. M., assignor.)
- Simplex Railway Appliance Company. (See Bauer, E. H., assignor.)
- Simplex Railway Appliance Company. (See Fowler, W. E., Jr., assignor.)
- Simplex Railway Appliance Company. (See Lamont, J. A., assignor.)
- Simplex Self Holding Carton Company. (See Goodman, N. J., assignor.)
- Simplex Surface Contact Company. (See Huse and Douty, assignors.)
- Simplex Time Recorder Company. (See Hawley, C. T., assignor.) (Reissue.)
- Simplex Valve & Meter Company. (See Borden, M. M., assignor.)
- Simplex Valve & Meter Company. (See Ledoux, J. W., assignor.)
- Simpson, A. B. (See Phenice, W. H., assignor.)
- Simpson, A. E., Corona, N. Mex. Cuspidor. No. 884,871; Apr. 14; Sp. p. 2472; Dr. pp. 520-1; Gaz. vol. 133; p. 1614.
- Simpson, A. L., assignor to I. L. Simpson, New York, N. Y. Screen for projecting apparatus. No. 890,101; June 9; Sp. p. 1811; Dr. p. 400; Gaz. vol. 134; p. 1379.
- Simpson, B. J., Chicago, Ill. Clothes-guard. No. 900,220; Oct. 6; Sp. p. 307; Dr. p. 62; Gaz. vol. 136; p. 1122.
- Simpson Bros. (See Andrews, H. B., assignor.)
- Simpson, C. A., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Three-wire central-energy telephone system. No. 885,186; Apr. 21; Sp. p. 3129; Dr. p. 658; Gaz. vol. 133; p. 1746.
- Simpson, C. A., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Apparatus for telephone installations. No. 901,127; Oct. 13; Sp. p. 2210; Dr. p. 449; Gaz. vol. 136; p. 1444.
- Simpson, E. H. (See Downer and Simpson.)
- Simpson, G. H., et al. (See Beauchemin, L. N., assignor.)
- Simpson, G. P., assignor of one-half to T. Gooch, Marysville, Idaho. Swingletree and doubletree. No. 903,113; Nov. 3; Sp. p. 1161; Gaz. vol. 137; p. 189.
- Simpson, I. L. (See Simpson, A. L., assignor.)
- Simpson, J. E., Brooklyn, N. Y. Pipe-cleanser. No. 879,594; Feb. 18; Sp. p. 3515; Dr. p. 736; Gaz. vol. 132; p. 1478.
- Simpson, J. F., Vineland, N. J., assignor of one-half to W. Nice, Jr., Philadelphia, Pa. Game apparatus. No. 905,941; Dec. 8; Sp. p. 1635; Gaz. vol. 137; p. 1282.
- Simpson, J. T., Newark, N. J. Reinforcing device for concrete structures. No. 903,903; Nov. 17; Sp. p. 2778; Gaz. vol. 137; p. 510.
- Simpson, J. T., Newark, N. J. Reinforcing device for concrete structures. No. 904,283; Nov. 17; Sp. p. 3595; Gaz. vol. 137; p. 641.
- Simpson, J. T., and T. Lishman, Durham, England. Air-compressor. No. 885,877; Apr. 28; Sp. p. 4542; Dr. p. 953; Gaz. vol. 133; p. 1999.
- Simpson, L. G., Rochester, N. Y. Paring-machine. No. 899,340; Sept. 22; Sp. p. 4144; Dr. p. 887; Gaz. vol. 136; p. 769.
- Simpson, R. D., assignor to Main Automatic Mailing Machine Company, Columbus, Ohio. Mailing or stamping machine. No. 898,609; Sept. 15; Sp. p. 2754; Dr. p. 589; Gaz. vol. 136; p. 505.
- Simpson, R. D., assignor to W. T. Wells, Columbus, Ohio. Coin-controlled vending-machine. No. 898,995; Sept. 15; Sp. p. 3463; Dr. p. 742; Gaz. vol. 136; p. 630.
- Simpson, R. D., assignor to J. W. Seeds and F. R. Ritter, Columbus, Ohio. Coin-controlled vending-machine. No. 885,187; Apr. 21; Sp. p. 3132; Dr. p. 658; Gaz. vol. 133; p. 1747.
- Simpson, R. E., Bakersfield, Cal. Underreamer. No. 892,905; July 7; Sp. p. 1039; Dr. p. 218; Gaz. vol. 135; p. 172.
- Simpson, R. H., and W. Park, Rugby, England. Power-driven vehicle. No. 886,082; Apr. 28; Sp. p. 4973; Dr. p. 1046; Gaz. vol. 133; p. 2067.
- Simpson, R. N., Chicago, Ill. Token-holder. No. 888,539; May 26; Sp. p. 4415; Dr. p. 937; Gaz. vol. 134; p. 811.
- Simpson, W., assignor to J. H. Fox, Berea, Ohio. Detonating-pistol. No. 879,919; Feb. 25; Sp. p. 4218; Dr. p. 880; Gaz. vol. 132; p. 1619.

Alphabetical list of patentees—Continued.

- Simpson, W., Quincy, and W. C. Bray, Newton, assignors to Tubular Rivet & Stud Company, Boston, Mass. Machine for setting lacing-hooks. No. 899,137; Sept. 22; Sp. p. 3737; Dr. pp. 800-1; Gaz. vol. 136; p. 704.
- Simpson, W. B., Shreveport, La. Sad-iron. No. 903,797; Nov. 10; Sp. p. 2531; Gaz. vol. 137; p. 442.
- Sims, B. W., Waxahachie, Tex. Device for attracting flies. No. 876,740; Jan. 14; Sp. p. 2159; Dr. p. 474; Gaz. vol. 132; p. 382.
- Sims, C. A., Crandall, Ind. Railway-tie. No. 906,316; Dec. 8; Sp. p. 2357; Gaz. vol. 137; p. 1405.
- Sims, E. E., *et al.* (See Landes, D. W., assignor.)
- Sims, J. S., assignor of one-half to E. R. Millar, Longbeach, Cal. Railway-signal. No. 884,224; Apr. 7; Sp. p. 1146; Dr. p. 241; Gaz. vol. 133; p. 1373.
- Sims, J. S., assignor of one-half to E. R. Millar, Longbeach, Cal. Electric signal for railways. No. 895,589; Aug. 11; Sp. p. 1631; Dr. p. 344; Gaz. vol. 135; p. 1187.
- Sims, L., Berryton, Kans. Bird-trap. No. 879,333; Feb. 18; Sp. p. 2943; Dr. p. 614; Gaz. vol. 132; p. 1393.
- Sims, S. W., Columbus, Ohio. Stove-polishing device. No. 887,857; May 19; Sp. p. 3101; Dr. p. 650; Gaz. vol. 134; p. 560.
- Sims, W. C., Scranton, Miss. Boring-machine. No. 897,167; Aug. 25; Sp. p. 4823; Dr. p. 1026; Gaz. vol. 135; p. 1745.
- Sims, W. P., Nezperce, Idaho. Vehicle-brake. No. 907,189; Dec. 22; Sp. p. 4010; Gaz. vol. 137; p. 1745.
- Sinclair, A. J., assignor to J. F. Hill, Chicago, Ill. Coating porous material with asphalt. No. 893,391; July 14; Sp. p. 2003; Gaz. vol. 135; p. 361.
- Sinclair, B. L., and L. L. Leslie, Santa Fe, N. Mex. Ter. Horse-re-easer. No. 878,319; Feb. 4; Sp. p. 867; Dr. p. 173; Gaz. vol. 132; p. 988.
- Sinclair, C. F., Jersey City, N. J. Safety rope-grip. No. 903,015; Nov. 3; Sp. p. 974; Gaz. vol. 137; p. 161.
- Sinclair, F. M., Indianapolis, Ind. Washing-machine support. No. 893,879; July 21; Sp. p. 3132; Dr. p. 643; Gaz. vol. 135; p. 551.
- Sinclair, G. B. (See Severy and Sinclair.)
- Sinclair, G. G., assignor to Newton & Merriam, Leominster, Mass. Barrette. No. 893,025; July 14; Sp. p. 1297; Dr. p. 273; Gaz. vol. 135; p. 242.
- Sinclair, J., Belfast, Ireland. Spanner and wrench. No. 878,024; Feb. 4; Sp. p. 276; Dr. p. 59; Gaz. vol. 132; p. 893.
- Sinclair, J. L., San Antonio, Tex. Setting plants. No. 885,091; Apr. 21; Sp. p. 2903; Dr. p. 616; Gaz. vol. 133; p. 1715.
- Sinclair, W., San Antonio, Tex. Milking apparatus. No. 895,208; Aug. 4; Sp. p. 873; Dr. p. 183; Gaz. vol. 135; p. 1039.
- Sinclair, W. E., assignor to Haller Machine Co., Chicago, Ill. Photographic-print apparatus. No. 888,540; May 26; Sp. p. 4417; Dr. pp. 937-8; Gaz. vol. 134; p. 811.
- Sincock, E. T., Black Hawk Post Office, Ontario, Canada. Glass-fastener. No. 893,392; July 14; Sp. p. 2005; Dr. p. 420; Gaz. vol. 135; p. 361.
- Sindingchristensen, F., New York, assignor to W. H. Locke, Jr., Brooklyn, N. Y. Apparatus for telephoning. No. 887,533; May 12; Sp. p. 2456; Dr. p. 518; Gaz. vol. 134; p. 423.
- Siner, F. M., Diamond, Ind. Therapeutic pessary. No. 882,176; Mar. 17; Sp. p. 3395; Dr. p. 721; Gaz. vol. 133; p. 614.
- Siner, J. M., Brooklyn, N. Y. Garment-clasp. No. 884,425; Apr. 14; Sp. p. 1522; Dr. p. 326; Gaz. vol. 133; p. 1466.
- Siner, J. M., Brooklyn, N. Y. Garment-clasp. No. 897,793; Sept. 1; Sp. p. 1110; Dr. p. 238; Gaz. vol. 136; p. 178.
- Siner, J. M., assignor to Venus Manufacturing Co., New York, N. Y. Clasp for garment-supporters. No. 890,382; June 9; Sp. p. 2405; Dr. p. 530; Gaz. vol. 134; p. 1470.
- Siner, J. M., assignor to A. Herbert and Venus Manufacturing Company, New York, N. Y. Clasp for garment-supporters. No. 885,188; Apr. 21; Sp. p. 3134; Dr. p. 658; Gaz. vol. 133; p. 1747.
- Simes, J., Empire, Ohio. Curtain-stretcher. No. 883,495; Mar. 31; Sp. p. 6024; Dr. p. 1286; Gaz. vol. 133; p. 1110.
- Singer, B. F., and T. R. Clark, Lancaster, Pa. Dish-washing machine. No. 904,731; Nov. 24; Sp. p. 4520; Gaz. vol. 137; p. 817.
- Singer, C. A., *et al.* (See MacMulklin, J. J., assignor.)
- Singer, C. A., *et al.* (See Noble, P. W., assignor.)
- Singer, J., Los Angeles, Cal. Shell-retainer for breakdown guns. No. 890,186; June 9; Sp. p. 1994; Dr. p. 439; Gaz. vol. 134; p. 1407.
- Singer, J. B., Boston, Mass., assignor to O. H. Hersey, trustee, Portland, Me. Combined carton and display device. No. 880,410; Feb. 25; Sp. p. 5190; Dr. p. 1094; Gaz. vol. 132; p. 1779.
- Singer Manufacturing Company. (See Allen, E. B., assignor.)
- Singer Manufacturing Company. (See Diehl, P., assignor.)
- Singer Manufacturing Company. (See Gatchell, G. S., assignor.)
- Singer Manufacturing Company. (See Hemleb, M., assignor.)
- Singer Manufacturing Company. (See Karle, J. D., assignor.)
- Singer Manufacturing Company. (See Kaufmann, F. J., assignor.)
- Singer Manufacturing Company. (See Klemm, H. A., assignor.)
- Singer Manufacturing Company. (See Laubscher, A., assignor.)
- Singer Manufacturing Company. (See Noble and Finch, assignors.)
- Singer Manufacturing Company. (See Rontke, A., assignor.)
- Singer Manufacturing Company. (See Towers, C. H., assignor.)
- Single Stave Barrel Company. (See Bartholomew, E. E., assignor.)
- Singleton, J. E., Morden, assignor of one-half to J. F. Grimmett, Boisvevain, Manitoba, Canada. Safety-pin. No. 883,429; Mar. 31; Sp. p. 5889; Dr. p. 1256; Gaz. vol. 133; p. 1087.
- Singleton, L. M., and C. E. Maddox, Alpharetta, Ga. Rotary engine. No. 898,274; Sept. 8; Sp. p. 2103; Dr. p. 447; Gaz. vol. 136; p. 364.
- Singleton, T. D., and W. Gleason, Providence, R. I. Spinning and twisting machine. No. 884,621; Apr. 14; Sp. p. 1927; Dr. p. 414; Gaz. vol. 133; p. 1530.
- Singleton, W. H. (See Turner and Singleton.)
- Singley, C. G., Manheim, Pa. Cigar-crimper. No. 894,858; Aug. 4; Sp. p. 109; Dr. p. 23; Gaz. vol. 135; p. 919.
- Singrün, H. A. (See Audiffren and Singrün.)
- Sinkler, E. B., New York, N. Y. Valve-stem case. No. 897,936; Sept. 8; Sp. p. 1440; Dr. p. 308; Gaz. vol. 136; p. 258.
- Sinnock, F. (See Winans and Sinnock.)
- Sinnott, J. (See Purves and Sinnott.)
- Sintz, C., Grand Rapids, Mich. Reversible propeller-wheel. No. 878,095; Feb. 4; Sp. p. 408; Dr. p. 86; Gaz. vol. 132; p. 914.
- Sintz, C., Grand Rapids, Mich. Reversible propeller-wheel. No. 907,298; Dec. 22; Sp. p. 4249; Gaz. vol. 137; p. 1782.
- Sintz, G. L. (See Mason and Sintz.)
- Sipes, I. W., Zion City, Ill. Board-clamp for benches. No. 880,586; Mar. 3; Sp. p. 194; Dr. p. 42; Gaz. vol. 133; p. 35.
- Sipes, V. W. (See Woods and Sipes.)
- Sipp, G., Paterson, N. J. Measuring apparatus for winding-machines. No. 902,337; Oct. 27; Sp. p. 4760; Dr. pp. 960-1; Gaz. vol. 136; p. 1906.
- Sippel, W. H., Pittsburg, Pa. Curtain-pole. No. 891,741; June 23; Sp. p. 5191; Dr. p. 1121; Gaz. vol. 134; p. 1979.
- Sippert, G., Bowdle, S. D. Pump. No. 883,496; Mar. 31; Sp. p. 6025; Dr. p. 1286; Gaz. vol. 133; p. 1110.
- Sipser, S., New York, N. Y. Perpetual calendar. No. 884,532; Apr. 14; Sp. p. 1749; Dr. p. 376; Gaz. vol. 133; p. 1501.
- Sirch, C., assignor of one-half to H. Zillich, New York, N. Y. Spring-scale. No. 902,769; Nov. 3; Sp. p. 461; Gaz. vol. 137; p. 80.
- Sirocco Engineering Company. (See Davidson, S. C., assignor.) (Reissue.)
- Sirrine, G. W., Greenville, S. C. Wagon-hound. No. 884,225; Apr. 7; Sp. p. 1149; Dr. p. 242; Gaz. vol. 133; p. 1373.
- Sisco, P. J., Evanston, Ill. Safety packing-box. No. 888,855; May 26; Sp. p. 5195; Dr. p. 1088; Gaz. vol. 134; p. 916.
- Sisk, F. M., assignor to J. L. De Give, Atlanta, Ga. Gin-saw-filing machine. No. 884,770; Apr. 14; Sp. p. 2272; Dr. p. 478; Gaz. vol. 133; p. 1581.
- Sisler, C. C., Mineola, Tex. Oil-cloth rack. No. 903,016; Nov. 3; Sp. p. 975; Gaz. vol. 137; p. 161.
- Sisley, E. P. L., Lyon, France, assignor to Societa Anonima Cooperativa per la Stagionatura e l'Assaggiodelle Sete ed Affini, Milan, Italy. Treating silk. No. 878,902; Feb. 11; Sp. p. 2109; Gaz. vol. 132; p. 1213.
- Sisson, A. H., assignor to St. Louis Car Company, St. Louis, Mo. Metal window-sash. No. 878,830; Feb. 11; Sp. p. 1967; Dr. p. 408; Gaz. vol. 132; p. 1190.
- Sisty, H. J., Caborca, Mexico, assignor of one-fourth to G. F. Smith, Pittsburg, Pa. Separator. No. 882,177; Mar. 17; Sp. p. 3397; Dr. p. 722; Gaz. vol. 133; p. 614.
- Sites, A. H., Ashland, Ohio. Barn-door shield or cover. No. 906,073; Dec. 8; Sp. p. 1883; Gaz. vol. 137; p. 1323.
- Sittig, L., New York, N. Y. Petticoat. No. 877,672; Jan. 28; Sp. p. 4081; Dr. pp. 883-4; Gaz. vol. 132; p. 750.
- Sittmann, G., New York, N. Y. Reversing mechanism. No. 885,390; Apr. 21; Sp. p. 3558; Dr. p. 745; Gaz. vol. 133; p. 1815.
- Sivadie, J. M., Orofino, Idaho. Soil-pulverizer. No. 897,310; Sept. 1; Sp. p. 76; Dr. p. 19; Gaz. vol. 136; p. 16.
- Sivard, S. M., Stockholm, Sweden. Boiling-pot for liquids. No. 908,044; Dec. 29; Sp. p. 5807; Gaz. vol. 137; p. 2056.
- Sixt, F. C., and W. M. Reichart, assignors to Chandler & Price Co., Cleveland, Ohio. Means for inking printing-rolls. No. 884,872; Apr. 14; Sp. p. 2473; Dr. p. 521; Gaz. vol. 133; p. 1614.
- Sjoberg, K., West Lynn, Mass. Newspaper-holder. No. 884,226; Apr. 7; Sp. p. 1150; Dr. p. 242; Gaz. vol. 133; p. 1373.
- Sjoman, C. E., Lake Park, Minn. Quick-shifting antirattling thill-coupling. No. 902,614; Nov. 3; Sp. p. 168; Gaz. vol. 137; p. 28.
- Skaggs, W. F. (See Lyon and Skaggs.)
- Skahen, J. J., assignor of forty-five one-hundredths to J. E. Sheehan, G. H. Charnock, and M. A. Griffin, Buffalo, N. Y. Center-bearing for car-trucks. No. 905,754; Dec. 1; Sp. p. 1271; Gaz. vol. 137; p. 1191.

Alphabetical list of patentees—Continued.

- Skahen, J. J., assignor of forty-five one-hundredths to J. E. Sheehan, G. H. Charnock, and M. A. Griffin, Buffalo, N. Y. Side bearing for car-trucks. No. 905,755; Dec. 1; Sp. p. 1273; Gaz. vol. 137; p. 1191.
- Skahen, P. D., Syracuse, N. Y. Sheet-metal handle. No. 890,102; June 9; Sp. p. 1812; Dr. p. 400; Gaz. vol. 134; p. 1379.
- Skahen, P. D., Syracuse, N. Y. Malleable handle. No. 897,419; Sept. 1; Sp. p. 370; Dr. pp. 77-8; Gaz. vol. 136; p. 58.
- Skahen, P. D., Syracuse, N. Y. Rough box for burial-caskets. No. 903,798; Nov. 10; Sp. p. 2532; Gaz. vol. 137; p. 442.
- Skels, E. G. (See Jeffries and Skels.)
- Skeer, C. H., Washington, D. C. Double top or diablo. No. 903,419; Nov. 10; Sp. p. 1755; Gaz. vol. 137; p. 320.
- Skelly, T. V., Chicago, Ill. Check-controlled mechanism. No. 894,803; July 28; Sp. p. 5016; Dr. p. 1046; Gaz. vol. 135; p. 875.
- Skelton, F. T., Hamilton, Ontario, Canada. Handle for shovels, &c. No. 888,541; May 26; Sp. p. 4422; Dr. p. 933; Gaz. vol. 134; p. 812.
- Skelton, F. T., Birmingham, Ala. Shutter-lock. No. 907,646; Dec. 22; Sp. p. 4970; Gaz. vol. 137; p. 1895.
- Skelton, G. F., Wabasso, Minn. Vehicle-shaft. No. 883,579; Mar. 31; Sp. p. 6190; Dr. p. 1318; Gaz. vol. 133; p. 1133.
- Skelton, J. M., Chicago, Ill. Bottle-valve. No. 885,092; Apr. 21; Sp. p. 2906; Dr. p. 616; Gaz. vol. 133; p. 1715.
- Skerman, W., assignor to T. C. Ladner and N. J. Kessels, Brisbane, Queensland, Australia. Hose-coupling. No. 881,830; Mar. 10; Sp. p. 2654; Dr. p. 569; Gaz. vol. 133; p. 472.
- Skidd, C., Kenosha, Wis. Milk cooler and aerator. No. 888,048; May 19; Sp. p. 3468; Dr. p. 726; Gaz. vol. 134; p. 622.
- Skidmore, F. R., Milwaukee, Wis. Vehicle-spring. No. 886,429; May 5; Sp. p. 176; Dr. p. 38; Gaz. vol. 134; p. 34.
- Skiles, C. G., Masontown, Pa. Rail-joint. No. 886,259; Apr. 28; Sp. p. 5300; Dr. p. 1116; Gaz. vol. 133; p. 2125.
- Skiles, R. M., and J. F. Lawler, Creston, Iowa; said Skiles assignor to said Lawler. Metallic tie. No. 908,345; Dec. 29; Sp. p. 6450; Gaz. vol. 137; p. 2160.
- Skinner, B. R., Austin, Minn. Station-indicator. No. 895,118; Aug. 4; Sp. p. 690; Dr. p. 144; Gaz. vol. 135; p. 1008.
- Skinner, C. V., Troy, Ohio. Hand-drilling device. No. 893,667; July 21; Sp. p. 2626; Dr. pp. 549-50; Gaz. vol. 135; p. 481.
- Skinner, E. H., Arrochar, N. Y. Amusement railway device. No. 896,944; Aug. 25; Sp. p. 4300; Dr. p. 935; Gaz. vol. 135; p. 1072.
- Skinner, F. W., New York, N. Y. Sheet-metal piling. No. 877,008; Jan. 21; Sp. p. 2726; Dr. p. 590; Gaz. vol. 132; p. 511.
- Skinner, F. W., New York, N. Y. Piling and constructing the same. No. 898,013; Sept. 8; Sp. p. 1596; Dr. p. 341; Gaz. vol. 136; p. 283.
- Skinner, F. W., Tompkinsville, N. Y. Joint for connecting adjacent units of sheet-piling or the like. No. 907,902; Dec. 29; Sp. p. 5510; Gaz. vol. 137; p. 2010.
- Skinner, H., Rosherville, England. Mixing machinery. No. 888,542; May 26; Sp. p. 4423; Dr. p. 938; Gaz. vol. 134; p. 812.
- Skinner, J. E., Kingman, Kans. Transposition-bracket for insulators. No. 902,455; Oct. 27; Sp. p. 5007; Dr. p. 1012; Gaz. vol. 136; p. 1944.
- Skinner, J. M. (See Cooper, F. J., assignor.)
- Skinner, J. M., assignor to Toledo Wheelbarrow Company, Toledo, Ohio. Machine for trimming and beading wheelbarrow-trays. No. 888,429; May 19; Sp. p. 4202; Dr. pp. 891-2; Gaz. vol. 134; p. 745.
- Skinner, T. H., assignor to Oneida Community, Limited, Oneida, N. Y. Sheave. No. 905,756; Dec. 1; Sp. p. 1275; Gaz. vol. 137; p. 1191.
- Skinner, W. A., assignor of one-half to R. A. McCord, Macon, Ga. Apparatus or tool for reducing the ends of boiler-flues. No. 889,728; June 2; Sp. p. 1058; Dr. p. 244; Gaz. vol. 134; p. 1229.
- Skinner, W. A., Moberly, and T. F. Cain, Montgomery City, Mo. Locomotive draft-regulator. No. 887,278; May 12; Sp. p. 1900; Dr. pp. 402-3; Gaz. vol. 134; p. 337.
- Skinner, W. C., assignor of one-half to W. H. Burns, Rochester, N. Y. Combined hay and stock rack. No. 895,119; Aug. 4; Sp. p. 693; Dr. pp. 144-5; Gaz. vol. 135; p. 1009.
- Skirrow, J. F., East Orange, N. J. Steering-rod connection. No. 885,878; Apr. 28; Sp. p. 4544; Dr. p. 953; Gaz. vol. 133; p. 2000.
- Skov, S. R. (See Scullin and Skov.)
- Skow, O., Soldier, Iowa. Embalming apparatus. No. 908,160; Dec. 29; Sp. p. 6048; Gaz. vol. 137; p. 2095.
- Skyles, W. (See Hayden, W. A., assignor.)
- Slack, J. C., Clayton, N. Mex. Making a medicinal composition. No. 888,758; May 26; Sp. p. 4877; Gaz. vol. 134; p. 884.
- Slack, J. J. (See Markham, W. D., assignor.)
- Slack, L. E., *et al.* (See Mobley, H. E., assignor.)
- Sladek, A., and L. Stone, Paris, Mo.; said Sladek assignor to said Stone. Gas-generator. No. 898,935; Sept. 15; Sp. p. 3357; Dr. p. 721; Gaz. vol. 136; p. 611.
- Slaght, L. H., Toronto, Ontario, Canada. Mangle. No. 883,497; Mar. 31; Sp. p. 6026; Dr. pp. 1286-7; Gaz. vol. 133; p. 1111.
- Slanker, F. O., Pomona, Cal. Tire-protector holder. No. 894,751; July 28; Sp. p. 4915; Dr. p. 1023; Gaz. vol. 135; p. 857.
- Slapo, I., New York, N. Y. Oven-grate. No. 878,831; Feb. 11; Sp. p. 1969; Dr. p. 408; Gaz. vol. 132; p. 1191.
- Slater, A. R., Fruitvale, Cal. Catamenial bandage. No. 880,928; Mar. 3; Sp. p. 896; Dr. pp. 193-4; Gaz. vol. 133; p. 151.
- Slater, B. A., and M. J. McDermott, Boise, Idaho. Signal system. No. 902,118; Oct. 27; Sp. p. 4285; Dr. pp. 868-9; Gaz. vol. 136; p. 1834.
- Slater, H. W., Lake Mahopac, N. Y., and J. T. Hogan, Jersey City, N. J., assignors to National Machine Company, Mamaroneck, N. Y. Stop-motion for sewing-machines. No. 894,073; July 21; Sp. p. 3540; Dr. pp. 725-6; Gaz. vol. 135; p. 616.
- Slater, T. F., Chester, Conn. Revolving toy. No. 889,729; June 2; Sp. p. 1061; Dr. p. 244; Gaz. vol. 134; p. 1229.
- Slater, W. D., assignor to United States Envelope Company, Springfield, Mass. Envelop-machine. No. 893,105; July 14; Sp. p. 1450; Dr. pp. 306-7; Gaz. vol. 135; p. 267.
- Slater, W. W., *et al.* (See Marsellis, F., assignor.)
- Slattery, W. H., assignor to Deitch Brothers, New York, N. Y. Portable case for clocks and the like. No. 900,317; Oct. 6; Sp. p. 526; Dr. p. 109; Gaz. vol. 136; p. 1154.
- Slauter, F. S. (See Peck, I. H., assignor.)
- Slauter, F. S., Derby, Conn. Hook and eye. No. 878,903; Feb. 11; Sp. p. 2110; Dr. p. 439; Gaz. vol. 132; p. 1213.
- Slaydon, W., Denison, Tex. Gland or swab holder. No. 876,601; Jan. 14; Sp. p. 1882; Dr. p. 411; Gaz. vol. 132; p. 337.
- Slayton, F. T., St. Joseph, assignor to Bender Car Door Company, Kansas City, Mo. Grain-door. No. 890,717; June 16; Sp. p. 3099; Dr. p. 680; Gaz. vol. 134; p. 1612.
- Slayton, O. E., Dillon, Okla. Weed-cutter and cultivator. No. 882,973; Mar. 24; Sp. p. 4939; Dr. p. 1049; Gaz. vol. 133; p. 909.
- Slear, E. F., Harrisburg, Pa. Toy gun. No. 883,915; Apr. 7; Sp. p. 494; Dr. p. 98; Gaz. vol. 133; p. 1271.
- Slee, J., Newton-le-Willows, England. Road-vehicle wheel. No. 882,718; Mar. 24; Sp. p. 4427; Dr. p. 940; Gaz. vol. 133; p. 824.
- Slee, J., Earlstown, Newton-le-Willows, England. Road-vehicle wheel. No. 894,750; July 28; Sp. p. 4913; Dr. p. 1023; Gaz. vol. 135; p. 857.
- Sleeper, C. F. (See Sleeper, C. T., assignor.)
- Sleeper, C. T., Chicago, assignor of four-fifths to C. F. Sleeper, Evanston, Ill. Hasp-lock. No. 899,138; Sept. 22; Sp. p. 3741; Dr. p. 801; Gaz. vol. 136; p. 705.
- Sleeper, C. W., Lancaster, N. H. Solder-feeding device for can-making machines. No. 877,673; Jan. 28; Sp. p. 4082; Dr. p. 884; Gaz. vol. 132; p. 750.
- Sleeper, C. W., Lancaster, N. H. Device for testing cans. No. 901,393; Oct. 20; Sp. p. 2776; Dr. p. 565; Gaz. vol. 136; p. 1569.
- Sleicher, W., Troy, N. Y. Furnace-roof. No. 895,051; Aug. 4; Sp. p. 554; Dr. p. 114; Gaz. vol. 135; p. 985.
- Slemin, C., Jr., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Paper-file. No. 907,647; Dec. 22; Sp. p. 4972; Gaz. vol. 137; p. 1896.
- Slenker, C. E., administratrix. (See Slenker, F. J.)
- Slenker, F. J., deceased; C. E. Slenker, administratrix, Beaver Falls, Pa. Metallic railway tie and fastening. No. 892,094; June 30; Sp. p. 5894; Dr. p. 1269; Gaz. vol. 134; p. 2126.
- Slentz, E. P., Oak, Pa. Mold-stripping machine. No. 880,929; Mar. 3; Sp. p. 898; Dr. p. 194; Gaz. vol. 133; p. 151.
- Sletten, A., Milwaukee, Wis. Internal-combustion engine. No. 893,026; July 14; Sp. p. 1298; Dr. p. 273; Gaz. vol. 135; p. 242.
- Sletto, O. K., Blackduck, Minn. Exercising-machine. No. 904,815; Nov. 24; Sp. p. 4703; Gaz. vol. 137; p. 845.
- Slevin, F. M., Jersey City, N. J., assignor to S. C. Hirschberg, New York, N. Y. Goggles. No. 901,394; Oct. 20; Sp. p. 2778; Dr. p. 565; Gaz. vol. 136; p. 1569.
- Slick, E. E., Pittsburg, Pa. Valve. No. 878,904; Feb. 11; Sp. p. 2111; Dr. p. 440; Gaz. vol. 132; p. 1213.
- Slick, E. E., Pittsburg, Pa. Bar for reinforced concrete construction. No. 882,273; Mar. 17; Sp. p. 3581; Dr. p. 760; Gaz. vol. 133; p. 645.
- Slick, E. E., Pittsburg, Pa. Apparatus for rolling flanged shapes. No. 887,534; May 12; Sp. p. 2460; Dr. p. 519; Gaz. vol. 134; p. 423.
- Slick, E. E., Pittsburg, Pa. Double-end dumping-car. No. 892,318; June 30; Sp. p. 6336; Dr. p. 1365; Gaz. vol. 134; p. 2202.
- Slick, E. E., Pittsburg, Pa. Interlocking sheet-piling. No. 904,156; Nov. 17; Sp. p. 3299; Gaz. vol. 137; p. 597.
- Slick, E. H., South Bend, Ind. Beveling-machine. No. 887,350; May 12; Sp. p. 2070; Dr. p. 434; Gaz. vol. 134; p. 363.
- Sliding Gap Company. (See Williamson, J. B., assignor.)
- Slinack, V. H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Hydrocarbon incandescent light. No. 885,189; Apr. 21; Sp. p. 3136; Dr. p. 658; Gaz. vol. 133; p. 1747.
- Slinack, V. H., assignor to Pennsylvania Gas Globe Light Company, Philadelphia, Pa. Photometer. No. 889,730; June 2; Sp. p. 1062; Dr. pp. 244-5; Gaz. vol. 134; p. 1230.
- Sloan, A. K., Jr., Brooklyn, N. Y. Electrical impulse-recorder. No. 897,670; Sept. 1; Sp. p. 872; Dr. p. 187; Gaz. vol. 136; p. 139.
- Sloan, A. P., Jr., Brooklyn, N. Y., assignor to Hyatt Roller Bearing Company, Harrison, N. J. Steel-lined roller-bearing. No. 876,499; Jan. 14; Sp. p. 1645; Dr. p. 357; Gaz. vol. 132; p. 300.
- Sloan, F. E., Baltimore, Md. Sheet-metal pulley-casing. No. 898,275; Sept. 8; Sp. p. 2105; Dr. p. 448; Gaz. vol. 136; p. 364.
- Sloan, F. E., Baltimore, Md. Making sheet-metal pulley-casings. No. 898,276; Sept. 8; Sp. p. 2106; Dr. p. 448; Gaz. vol. 136; p. 365.

Alphabetical list of patentees—Continued.

- Sloan, R. M. (See Lindley, Z. M., assignor.)
 Sloan, S. H., Chicago, Ill. Wire pot-lid rack or wall-pocket. No. 887,972; May 19; Sp. p. 3318; Dr. p. 698; Gaz. vol. 134; p. 597.
 Sloat, L. J., Cleveland, Ohio. Punch-holder. No. 882,178; Mar. 17; Sp. p. 3398; Dr. p. 722; Gaz. vol. 133; p. 615.
 Slocumb, L. B. (See Osborne, O., assignor.)
 Slocum, A. B., executrix. (See Slocum, G. S.)
 Slocum, G. H., and H. J. Hokamp, Chicago, Ill. Artificial bait. No. 903,333; Nov. 10; Sp. p. 1598; Gaz. vol. 137; p. 293.
 Slocum, G. S., deceased, Newport, R. I.; A. B. Slocum, executrix. Sand-blast machine. No. 880,337; Feb. 25; Sp. p. 5037; Dr. pp. 1062-3; Gaz. vol. 132; p. 1755.
 Slocum, J. C., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Loading and unloading mechanism. No. 893,027; July 14; Sp. p. 1301; Dr. pp. 273-4; Gaz. vol. 135; p. 243.
 Sloman, E. H., assignor to Seamless Steel Bath Tub Company, Detroit, Mich. Bath-tub. No. 889,979; June 9; Sp. p. 1559; Dr. p. 352; Gaz. vol. 134; p. 1337.
 Slonecker, J. H., *et al.* (See Meyers, E. J., assignor.)
 Sloper, H. T., New Britain, Conn. Coin-controlled gas-meter. No. 901,044; Oct. 13; Sp. p. 2056; Dr. p. 418; Gaz. vol. 136; p. 1418.
 Sloper, R. (See Sloper, T. and R.)
 Sloper, T., Devizes, England. Apparatus for manufacturing pneumatic tires. No. 880,587; Mar. 3; Sp. p. 196; Dr. pp. 42-3; Gaz. vol. 133; p. 36.
 Sloper, T. and R., Devizes, England. Indicating device for use with pneumatic tires. No. 902,693; Nov. 3; Sp. p. 318; Gaz. vol. 137; p. 54.
 Sloppy, M. E. (See Johns, L. G., assignor.)
 Slough, F. M., assignor to Dean Electric Company, Elyria, Ohio. Self-restoring drop-relay. No. 900,435; Oct. 6; Sp. p. 766; Dr. p. 158; Gaz. vol. 136; p. 1193.
 Slusser, C. R., Montpelier, Idaho. Electric insulator. No. 881,967; Mar. 17; Sp. p. 2967; Dr. p. 632; Gaz. vol. 133; p. 547.
 Small, E. J., *et al.* (See Ruple, F., assignor.)
 Smales, G. F., Newark, Ohio. Rotary screen. No. 877,803; Jan. 28; Sp. p. 4303; Dr. p. 934; Gaz. vol. 132; p. 790.
 Small, C. C., Newton, Mass., assignor, by mesne assignments, to United Shoe Machinery Company. Heel-nailing machine. No. 891,192; June 16; Sp. p. 4034; Dr. pp. 884-6; Gaz. vol. 134; p. 1766.
 Small, C. T., assignor to Small, Townsend Manufacturing Company, St. Louis, Mo. Can-filling machine. No. 897,420; Sept. 1; Sp. p. 371; Dr. p. 78; Gaz. vol. 136; p. 58.
 Small, F. C. (See Martien and Small.)
 Small, F. D. (See Shevlin and Small.)
 Small, H., assignor to J. W. and W. O. Duntley, Chicago, Ill. Carbureter. No. 900,604; Oct. 6; Sp. p. 1132; Dr. pp. 232-3; Gaz. vol. 136; p. 1248.
 Small, H. M., Melrose, Mass. Lock. No. 892,383; June 30; Sp. p. 6460; Dr. p. 1393; Gaz. vol. 134; p. 2222.
 Small, N. K., Los Angeles, Cal. Hook and eye. No. 898,936; Sept. 15; Sp. p. 3359; Dr. p. 721; Gaz. vol. 136; p. 611.
 Small, T., assignor of one-half to C. P. Richter, Camden, N. J. Device for truing bowling-gins. No. 897,937; Sept. 8; Sp. p. 1441; Dr. p. 308; Gaz. vol. 136; p. 258.
 Small, T. W., assignor, by mesne assignments, to Acme Automatic Street Indicating Company, Cleveland, Ohio. Overhead electric contact. No. 878,247; Feb. 4; Sp. p. 723; Dr. p. 148; Gaz. vol. 132; p. 965.
 Small, T. W., assignor to Acme Automatic Street Indicating Company, Cleveland, Ohio. Street-indicating device. No. 896,474; Aug. 18; Sp. p. 3381; Dr. pp. 727-8; Gaz. vol. 135; p. 1496.
 Small, Townsend Manufacturing Company. (See Small, C. T., assignor.)
 Smalley, J. A. (See Nelson, Meeks, Shappell, and Smalley.)
 Smalley, J. A., Des Moines, assignor of one-half to J. M. Trulin, Panora, Iowa. Artificial-stone machine. No. 890,187; June 9; Sp. p. 1995; Dr. pp. 439-40; Gaz. vol. 134; p. 1408.
 Smallwood, A., London, England. Furnace. No. 883,916; Apr. 7; Sp. p. 495; Dr. pp. 98-9; Gaz. vol. 133; p. 1271.
 Smallwood, W. S. (See Thrasher and Smallwood.)
 Smart, J. F., Stamford, Conn. Fastening for door-knobs. No. 876,845; Jan. 14; Sp. p. 2341; Dr. p. 514; Gaz. vol. 132; p. 414.
 Smart, R. S. (See Thompson, E. J., assignor.)
 Smart, W. J., Brooklyn, assignor to M. M., and A. S. Zinn, New York, N. Y. Safety-razor. No. 881,033; Mar. 3; Sp. p. 1083; Dr. p. 235; Gaz. vol. 133; p. 185.
 Smead, N. W., Sheldon, Iowa. Game apparatus. No. 902,006; Oct. 27; Sp. p. 4069; Dr. p. 825; Gaz. vol. 136; p. 1799.
 Smetana, M., Philadelphia, Pa. Adhesive composition. No. 879,013; Feb. 11; Sp. p. 2309; Gaz. vol. 132; p. 1247.
 Smethers, J. A., and W. Elliott, assignors to Dempster Mill Manufacturing Company, Beatrice, Nebr. Cultivator. No. 885,093; Apr. 21; Sp. p. 2906; Dr. pp. 618-17; Gaz. vol. 133; p. 1715.
 Smiley, D., *et al.* (See Chesterman, W., assignor.)
 Smiley, E. G. (See Tambling, F. C., assignor.)
 Smiley, F. A., *et al.* (See Collins, J. B., assignor.)
 Smiley, J. B., South Omaha, Nebr. Grain-door for freight-cars. No. 883,353; Mar. 31; Sp. p. 5702; Dr. p. 1217; Gaz. vol. 133; p. 1061.
 Smillie, T. W., Washington, D. C. Coating objects of which photographs are desired so as to remove all traces of discoloration, &c. No. 894,545; July 28; Sp. p. 4530; Gaz. vol. 135; p. 791.
 Smirthwaite, R. (See Prescott, H. A. and J. C., assignors.)
 Smith, A. (See Söderlund and Hallenbrook, assignors.)
 Smith, A., San Mateo, Cal. Well-tubing. No. 884,048; Apr. 7; Sp. p. 766; Dr. p. 160; Gaz. vol. 133; p. 1315.
 Smith, A., U. S. Army. Spike-lock. No. 900,318; Oct. 6; Sp. p. 527; Dr. p. 109; Gaz. vol. 136; p. 1155.
 Smith, A., Newport, R. I. Stove-lid lifter. No. 901,844; Oct. 20; Sp. p. 3720; Dr. p. 756; Gaz. vol. 136; p. 1715.
 Smith, A., assignor to Bergen Point Iron Works, New York, N. Y. Wagon or truck. No. 886,734; May 5; Sp. p. 820; Dr. p. 169; Gaz. vol. 134; p. 136.
 Smith, A., Schenectady, N. Y., assignor to General Electric Company. Circuit-breaker. No. 890,718; June 16; Sp. p. 3100; Dr. p. 680; Gaz. vol. 134; p. 1613.
 Smith, A., Schenectady, N. Y., assignor to General Electric Company. Motor-starting panel. No. 890,719; June 16; Sp. p. 3103; Dr. p. 681; Gaz. vol. 134; p. 1673.
 Smith, A. A., Chicago, Ill. Bag-holder. No. 900,221; Oct. 6; Sp. p. 308; Dr. p. 92; Gaz. vol. 136; p. 1122.
 Smith, A. B., Boston, Mass. Boiler-feed controller. No. 885,653; Apr. 21; Sp. p. 4074; Dr. pp. 851-2; Gaz. vol. 133; p. 1894.
 Smith, A. B., Wilksburg, Pa. Swivel-joint for electric currents. No. 893,880; July 21; Sp. p. 3133; Dr. p. 644; Gaz. vol. 135; p. 551.
 Smith, A. B., Binghamton, N. Y. Cigar-box. No. 900,222; Oct. 6; Sp. p. 309; Dr. p. 63; Gaz. vol. 136; p. 1123.
 Smith, A. C. (See Rickey and Smith.)
 Smith, A. C., Dobbs Ferry, N. Y. Wrench. No. 881,627; Mar. 10; Sp. p. 2271; Dr. p. 493; Gaz. vol. 133; p. 408.
 Smith, A. C., Dobbs Ferry, N. Y. Rail-securing appliance. No. 896,593; Aug. 18; Sp. p. 3611; Dr. p. 775; Gaz. vol. 135; p. 1534.
 Smith, A. C., Dobbs Ferry, N. Y. Wrench. No. 903,904; Nov. 17; Sp. p. 2780; Gaz. vol. 137; p. 511.
 Smith, A. E., Kelso, Wash. Brace. No. 901,395; Oct. 20; Sp. p. 2779; Dr. p. 565; Gaz. vol. 136; p. 1569.
 Smith, A. E., and J. K. Milliken, Dighton, Mass. Mercerizing. No. 889,861; June 2; Sp. p. 1304; Gaz. vol. 134; p. 1272.
 Smith, A. F., Pittsburg, Pa., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 881,205; Mar. 10; Sp. p. 1409; Dr. pp. 304-5; Gaz. vol. 133; p. 270.
 Smith, A. H. (See Gibson, J. C., assignor.)
 Smith, A. J. (See Reid and Smith.)
 Smith, A. J., Los Angeles, Cal. Odometer mounting and lock for vehicles. No. 887,279; May 12; Sp. p. 1901; Dr. p. 403; Gaz. vol. 134; p. 337.
 Smith, A. J., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 886,260; Apr. 28; Sp. p. 5301; Dr. p. 1116; Gaz. vol. 133; p. 2125.
 Smith, A. J., Boston, and D. Livingston, Cambridge, Mass. Means for draining manholes of electric conduit systems. No. 880,761; Mar. 3; Sp. p. 551; Dr. p. 116; Gaz. vol. 133; p. 95.
 Smith, A. L., Richmond, Va. Attachment for printing-presses. No. 894,752; July 28; Sp. p. 4916; Dr. p. 1024; Gaz. vol. 135; p. 858.
 Smith, A. L., assignor to National Automatic Machine Company, Los Angeles, Cal. Coin-controlled vending apparatus. No. 893,203; July 14; Sp. p. 1653; Dr. p. 349; Gaz. vol. 135; p. 298.
 Smith, A. M. (See Booth, Blausey, and Smith.)
 Smith, A. M., Whitewater, Wis. Hoof-pad holder. No. 878,832; Feb. 11; Sp. p. 1970; Dr. p. 408; Gaz. vol. 132; p. 1192.
 Smith, A. M., Minneapolis, Minn. Barrel-replacer. No. 890,460; June 9; Sp. p. 2536; Dr. p. 561; Gaz. vol. 134; p. 1494.
 Smith, A. P. (See Smith, H. and A. P.)
 Smith, A. P., Coventry, England. Sand-molding machine. No. 877,746; Jan. 28; Sp. p. 4207; Dr. pp. 911-12; Gaz. vol. 132; p. 772.
 Smith, A. P., Philadelphia, Pa. Vacuum-pan. No. 881,351; Mar. 10; Sp. p. 1715; Dr. p. 370; Gaz. vol. 133; p. 318.
 Smith, A. P., Sumpter, Oreg. Balanced pump. No. 885,798; Apr. 28; Sp. p. 4394; Dr. p. 920; Gaz. vol. 133; p. 1972.
 Smith, A. P., Newark, N. J. Connecting branch sleeve. No. 896,833; Aug. 18; Sp. p. 3095; Dr. p. 665; Gaz. vol. 135; p. 1449.

Alphabetical list of patentees—Continued.

- Smith, A. W., Union Church, Miss. Cotton-chopper. No. 894,911; Aug. 4; Sp. p. 246; Dr. p. 53; Gaz. vol. 135; p. 937.
- Smith, A. W., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 893,817; July 21; Sp. p. 3006; Dr. p. 615; Gaz. vol. 135; p. 532.
- Smith, B. B., and G. L. Gay, Jr., Kansas City, Mo., assignors, by mesne assignments, to said Smith. Cake-cutter. No. 875,960; Jan. 7; Sp. p. 532; Dr. p. 114; Gaz. vol. 132; p. 93.
- Smith, B. H., *et al.* (See Smith and Campbell, assignors.)
- Smith, B. M. (See Hocker and Smith.)
- Smith, B. S. and R. N. W., Paisley, Scotland. Machine for setting carpet-warps. No. 880,169; Feb. 25; Sp. p. 4705; Dr. pp. 992-3; Gaz. vol. 132; p. 1699.
- Smith Bedding Co. (See Smith, G. B., assignor.)
- Smith, C., assignor of one-third to W. H. Noble, Cleveland, Ohio. Permutation-lock. No. 877,957; Feb. 4; Sp. p. 119; Dr. p. 28; Gaz. vol. 132; p. 870.
- Smith, C., assignor to Cyclone Drill Company, Orrville, Ohio. Discharge-stem. No. 886,083; Apr. 28; Sp. p. 4975; Dr. p. 1046; Gaz. vol. 133; p. 2067.
- Smith, C. A. (See Maher, M. M., assignor.)
- Smith, C. A., assignor to Blaisdell Paper Pencil Company, Philadelphia, Pa. Pencil. No. 883,354; Mar. 31; Sp. p. 5704; Dr. p. 1218; Gaz. vol. 133; p. 1061.
- Smith, C. A., assignor to Blaisdell Paper Pencil Company, Philadelphia, Pa. Pencil. No. 885,190; Apr. 21; Sp. p. 3136; Dr. p. 659; Gaz. vol. 133; p. 1748.
- Smith, C. A., assignor to Draper Company, Hopedale, Mass. Rotatable spindle and bobbin. No. 890,881; June 16; Sp. p. 3422; Dr. p. 750; Gaz. vol. 134; p. 1666.
- Smith, C. A., Brattleboro, Vt., assignor to National Novelty Corporation, New York, N. Y. Vehicle. No. 891,872; June 30; Sp. p. 5479; Dr. pp. 1183-4; Gaz. vol. 134; p. 2056.
- Smith, C. A., Brattleboro, Vt., assignor to National Novelty Corporation, New York, N. Y. Vehicle. No. 892,384; June 30; Sp. p. 6461; Dr. p. 1393; Gaz. vol. 134; p. 2222.
- Smith, C. C. (See Campbell, H. G., assignor.)
- Smith, C. C. (See Smith, F. L. and C. C.)
- Smith, C. E., Coleman, Tex. Cotton-chopper. No. 883,580; Mar. 31; Sp. p. 6191; Dr. pp. 1318-19; Gaz. vol. 133; p. 1134.
- Smith, C. E., Prineville, Oreg. Scraper. No. 891,871; June 30; Sp. p. 5478; Dr. p. 1183; Gaz. vol. 134; p. 2056.
- Smith, C. E., assignor to North & Judd Manufacturing Company, New Britain, Conn. Belt attachment. No. 890,383; June 9; Sp. p. 2406; Dr. p. 530; Gaz. vol. 134; p. 1470.
- Smith, C. E., assignor to North & Judd Manufacturing Company, New Britain, Conn. Belt attachment. (Reissue.) No. 12,897; Dec. 15; Sp. p. 3846; Gaz. vol. 137; p. 1684.
- Smith, C. E., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 895,807; Aug. 11; Sp. p. 2074; Dr. pp. 439-40; Gaz. vol. 135; p. 1258.
- Smith, C. E., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 899,847; Sept. 29; Sp. p. 5189; Dr. p. 1112; Gaz. vol. 136; p. 971.
- Smith, C. E., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 906,746; Dec. 15; Sp. p. 3153; Gaz. vol. 137; p. 1566.
- Smith, C. F., Bridgeport, Conn., assignor to Continental Paper Bag Company. Paper-bag machine. No. 900,605; Oct. 6; Sp. p. 1143; Dr. pp. 233-4; Gaz. vol. 136; p. 1248.
- Smith, C. G. (See Hampton and Smith.)
- Smith, C. H. (See Leaver and Smith.)
- Smith, C. H., Rockford, Ill. Folding-go-cart. No. 887,858; May 19; Sp. p. 3102; Dr. p. 650; Gaz. vol. 134; p. 560.
- Smith, C. J., Jamestown, N. Y. Calculating-machine. No. 879,204; Feb. 18; Sp. p. 2694; Dr. p. 562; Gaz. vol. 132; p. 1350.
- Smith, C. J., assignor to Hardsocg Wonder Drill Co., Ottumwa, Iowa. Rock-drill. No. 896,475; Aug. 18; Sp. p. 3384; Dr. p. 728; Gaz. vol. 135; p. 1496.
- Smith, C. L., Spokane, Wash. Burial-casket. No. 888,664; May 26; Sp. p. 4700; Dr. p. 1000; Gaz. vol. 134; p. 856.
- Smith, C. L., Dunn, Ind. Grain-car door. No. 908,045; Dec. 29; Sp. p. 5807; Gaz. vol. 137; p. 2056.
- Smith, C. L., assignor to Armour & Company, Chicago, Ill. Carcass-scrubber. No. 882,719; Mar. 24; Sp. p. 4428; Dr. pp. 941-2; Gaz. vol. 133; p. 824.
- Smith, C. M., Washington, D. C. Apparatus for the manufacture of ice. No. 896,594; Aug. 18; Sp. p. 3612; Dr. p. 776; Gaz. vol. 135; p. 1535.
- Smith, C. O., St. Louis, Mo. Street-sweeper. No. 886,430; May 5; Sp. p. 177; Dr. p. 38; Gaz. vol. 134; p. 34.
- Smith, C. P. (See Bennett and Smith.)
- Smith, C. R., Freeport, Ohio. Means for operating reverse-levers of engines. No. 887,132; May 12; Sp. p. 1576; Dr. p. 335; Gaz. vol. 134; p. 289.
- Smith, C. S., East St. Louis, Ill. Seal-lock. No. 881,034; Mar. 3; Sp. p. 1084; Dr. p. 235; Gaz. vol. 133; p. 185.
- Smith, C. W., Cambridge, Mass. Furnace. No. 886,261; Apr. 28; Sp. p. 5303; Dr. p. 1116; Gaz. vol. 133; p. 2125.
- Smith & Company, G. R. (See Smith, G. R., assignor.)
- Smith, D. C., Kalgoorlie, Western Australia, Australia. Electric kettle. No. 881,968; Mar. 17; Sp. p. 2968; Dr. p. 632; Gaz. vol. 133; p. 547.
- Smith, D. C., Jackson, Mich. Field-fencing. No. 905,942; Dec. 8; Sp. p. 1637; Gaz. vol. 137; p. 1282.
- Smith, D. C., and W. F. Gorton, Muncie, Ind. Rim for motor-car wheels. No. 886,019; Apr. 28; Sp. p. 4859; Dr. p. 1022; Gaz. vol. 133; p. 2047.
- Smith, D. F., and W. F. Purcell, New York, N. Y. Fluid-pressure engine. No. 883,430; Mar. 31; Sp. p. 5890; Dr. pp. 1256-7; Gaz. vol. 133; p. 1087.
- Smith, D. J., Denver, Colo. Multiple-tool-holding slide-rest attachment for lathes. No. 892,457; July 7; Sp. p. 131; Dr. p. 28; Gaz. vol. 135; p. 26.
- Smith, D. L., Wellford, S. C. Land-marker. No. 883,581; Mar. 31; Sp. p. 6192; Dr. p. 1319; Gaz. vol. 133; p. 1134.
- Smith, D. M. (See Shepherd, M. L., assignor.)
- Smith, D. W., Oyster Bay, N. Y. Cotter-pin. No. 898,277; Sept. 8; Sp. p. 2108; Dr. p. 448; Gaz. vol. 136; p. 365.
- Smith, D. W., Oyster Bay, N. Y. Steering-gear. No. 898,278; Sept. 8; Sp. p. 2109; Dr. p. 449; Gaz. vol. 136; p. 365.
- Smith, D. W., Fort Worth, Tex. Portable concrete mold. No. 902,922; Nov. 3; Sp. p. 785; Gaz. vol. 137; p. 130.
- Smith, E. A., Loveland, Colo. Beet-puller. No. 885,538; Apr. 21; Sp. p. 3851; Dr. p. 805; Gaz. vol. 133; p. 1859.
- Smith, E. B. (See Graumiller, Rosenberger, and Smith.)
- Smith, E. C. (See Kip and Smith.)
- Smith, E. C., Pawtucket, R. I. Shifting device. No. 886,431; May 5; Sp. p. 178; Dr. p. 39; Gaz. vol. 134; p. 34.
- Smith, E. C., Seekonk, Mass. Sliver-evening mechanism for drawing-frames. No. 887,280; May 12; Sp. p. 1902; Dr. pp. 403-4; Gaz. vol. 134; p. 337.
- Smith, E. C., Seekonk, Mass. Sliver-evening mechanism for drawing-frames. No. 887,281; May 12; Sp. p. 1906; Dr. pp. 404-5; Gaz. vol. 134; p. 338.
- Smith, E. C., Seekonk, Mass. Scale. No. 906,074; Dec. 8; Sp. p. 1884; Gaz. vol. 137; p. 1323.
- Smith, E. C., assignor to L. S. Folger, New York, N. Y. Automatic railway-gate. No. 903,905; Nov. 17; Sp. p. 2781; Gaz. vol. 137; p. 511.
- Smith, E. E. (See Mathers, E. A., assignor.)
- Smith, E. E., *et al.* (See Smith, P. S., assignor.)
- Smith, E. F., assignor to J. Anstice, Rochester, N. Y. Slicer. No. 892,192; June 30; Sp. p. 6097; Dr. pp. 1310-11; Gaz. vol. 134; p. 2160.
- Smith, E. F., assignor to J. Anstice, Rochester, N. Y. Slicer. No. 896,862; Aug. 25; Sp. p. 4175; Dr. p. 894; Gaz. vol. 135; p. 1645.
- Smith, E. H., Belton, S. C. Shuttle-check for looms. No. 902,615; Nov. 3; Sp. p. 169; Gaz. vol. 137; p. 28.
- Smith, E. H., Ceredo, W. Va. Can-opener. No. 908,346; Dec. 29; Sp. p. 6451; Gaz. vol. 137; p. 2161.
- Smith, E. H., assignor of one-half to J. J. Gribbin, Aberdeen, Wash. Wrench. No. 884,227; Apr. 7; Sp. p. 1151; Dr. p. 242; Gaz. vol. 133; p. 1373.
- Smith, E. H. H. (See Smith, H. V., assignor.)
- Smith, E. L., Oak Cliff, assignor of two-thirds to G. F. Childress, Wills Point, Tex. Switch-cord plug. No. 886,262; Apr. 28; Sp. p. 5305; Dr. p. 117; Gaz. vol. 133; p. 2126.
- Smith, E. N., Red Oak, Iowa. Photographer's appliance. No. 889,731; June 2; Sp. p. 1063; Dr. p. 245; Gaz. vol. 134; p. 1230.
- Smith, E. N., and C. Walker, Dewitt, Iowa. Shock-loading machine. No. 889,054; May 26; Sp. p. 5489; Dr. p. 1167; Gaz. vol. 134; p. 981.
- Smith, E. P., Galesburg, Ill. Combined table and bed. No. 902,007; Oct. 27; Sp. p. 4070; Dr. p. 826; Gaz. vol. 136; p. 1799.
- Smith, E. R., Paris, Tex. Fountain-pen. No. 882,179; Mar. 17; Sp. p. 3399; Dr. p. 722; Gaz. vol. 133; p. 615.
- Smith, E. S., Jr., Orange, Mass. Holding device. No. 881,162; Mar. 10; Sp. p. 1334; Dr. p. 287; Gaz. vol. 133; p. 257.
- Smith, E. W., New York, N. Y. Telephone cut-out. No. 881,628; Mar. 10; Sp. p. 2272; Dr. p. 493; Gaz. vol. 133; p. 409.
- Smith, E. W., Philadelphia, Pa. Constant-level device for storage batteries. No. 907,419; Dec. 22; Sp. p. 4484; Gaz. vol. 137; p. 1821.

Alphabetical list of patentees—Continued.

- Smith, F., Philadelphia, Pa. Slot-gas-meter. No. 906,075; Dec. 8; Sp. p. 1886; Gaz. vol. 137; p. 1323.
- Smith, F. A., Hartford, Conn. Fishing-rod tip. No. 899,914; Sept. 29; Sp. p. 5309; Dr. p. 1135; Gaz. vol. 136; p. 991.
- Smith, F. B., assignor to Barber Asphalt Paving Company, Philadelphia, Pa. Portable asphalt plant. No. 892,320; June 30; Sp. p. 6339; Dr. p. 1366; Gaz. vol. 134; p. 2202.
- Smith, F. B., assignor to Barber Asphalt Paving Company, Philadelphia, Pa. Mixer-opening device. No. 892,321; June 30; Sp. p. 6340; Dr. p. 1366; Gaz. vol. 134; p. 2203.
- Smith, F. E., Webster City, Iowa. Index. No. 891,505; June 23; Sp. p. 4701; Dr. p. 1018; Gaz. vol. 134; p. 1902.
- Smith, F. F., Newark, N. J. Fireproof gravity-sash. No. 883,054; Mar. 24; Sp. p. 5084; Dr. pp. 1085-6; Gaz. vol. 133; p. 933.
- Smith, F. H., assignor of one-half to J. L. Tisdale, Alameda, Cal. Loose-leaf binder. No. 881,161; Mar. 10; Sp. p. 1333; Dr. p. 286; Gaz. vol. 133; p. 257.
- Smith, F. L., assignor to Olds Motor Works, Lansing, Mich. Adjustable strap-securing clip for vehicles. No. 878,568; Feb. 11; Sp. p. 1445; Dr. p. 295; Gaz. vol. 132; p. 1105.
- Smith, F. L., Peru, assignor of one-half to W. Laycock, Libertyville, Ill. Automatic grain-scale. No. 907,190; Dec. 22; Sp. p. 4011; Gaz. vol. 137; p. 1743.
- Smith, F. L., and C. C., Wahoo, Nebr. Pneumatic-tire protector. No. 907,093; Dec. 15; Sp. p. 3788; Gaz. vol. 137; p. 1674.
- Smith, F. M., Martinsville, Ill. Wagon-brake. No. 877,009; Jan. 21; Sp. p. 2728; Dr. pp. 590-1; Gaz. vol. 132; p. 511.
- Smith, F. M., Coquille, Oreg. Double-seated valve. No. 879,014; Feb. 11; Sp. p. 2310; Dr. p. 483; Gaz. vol. 132; p. 1248.
- Smith, F. N., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Clamping-ring for pipe-couplings. No. 880,831; Mar. 3; Sp. p. 708; Dr. p. 149; Gaz. vol. 133; p. 120.
- Smith, F. N., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Middle ring for pipe-couplings. No. 887,859; May 19; Sp. p. 3104; Dr. p. 650; Gaz. vol. 134; p. 560.
- Smith, F. P., *et al.* (See Jones, G. G., assignor.)
- Smith, F. P., (See McClure, E., assignor.)
- Smith, F. P., Kansas City, Kans., assignor of one-half to Lewis & Kitchen, Kansas City, Mo. System of sewage disposal. No. 891,742; June 23; Sp. p. 5191; Dr. p. 1122; Gaz. vol. 134; p. 1979.
- Smith, F. P., Kansas City, Kans., assignor of one-half to Lewis & Kitchen, Kansas City, Mo. Crematory. No. 894,912; Aug. 4; Sp. p. 247; Dr. pp. 53-4; Gaz. vol. 135; p. 938.
- Smith, F. P., Hanover, Pa., assignor to Smith Lyraphone Company. Automatic attachment for piano-players. No. 907,707; Dec. 22; Sp. p. 5118; Gaz. vol. 137; p. 1917.
- Smith, F. R., (See Koch, L. D., assignor.)
- Smith, F. R., Braddock, Pa. Nut-lock. No. 876,741; Jan. 14; Sp. p. 2160; Dr. p. 474; Gaz. vol. 132; p. 382.
- Smith, F. U., McGinnis, Md. Corn-cutting machine. No. 898,518; Sept. 15; Sp. p. 2579; Dr. p. 551; Gaz. vol. 136; p. 476.
- Smith, F. W., (See Swallow, J. G., assignor.)
- Smith, F. W., Ellsworth, Mich. Universal coupling. No. 892,558; July 7; Sp. p. 315; Dr. p. 69; Gaz. vol. 135; p. 59.
- Smith, F. W., and L. Larsen, New York, N. Y. Alternating-current switch. No. 906,317; Dec. 8; Sp. p. 2359; Gaz. vol. 137; p. 1405.
- Smith & Furbush Machine Company. (See Miller, S. G., assignor.)
- Smith & Furbush Machine Company. (See Proctor, J. K., assignor.)
- Smith, G., (See Gibson and Smith.)
- Smith, G. A., *et al.* (See Smith, R. A., assignor.)
- Smith, G. A., Marshalltown, Iowa. Thread-cutting device. No. 881,449; Mar. 10; Sp. p. 1908; Dr. p. 415; Gaz. vol. 133; p. 349.
- Smith, G. A., Council Bluffs, Iowa. Snare-drum muffler. No. 889,053; May 26; Sp. p. 5487; Dr. p. 1167; Gaz. vol. 134; p. 981.
- Smith, G. A., assignor of sixteen one-hundred-and-fourths to J. W. Hennessey, New York, N. Y., forty-six one-hundred-and-fourths to A. Letts, Los Angeles, Cal., and twenty-one one-hundred-and-fourths to F. H. Ward, Brooklyn, N. Y. Type-writer frame. No. 876,308; Jan. 7; Sp. p. 1232; Dr. pp. 268-9; Gaz. vol. 132; p. 206.
- Smith, G. A., assignor of eighty-three one-hundred-and-fourths to J. W. Hennessey, New York, N. Y., A. Letts, Los Angeles, Cal., and F. H. Ward, Brooklyn, N. Y. Type-bar mechanism for type-writers. No. 879,123; Feb. 11; Sp. p. 2540; Dr. p. 528; Gaz. vol. 132; p. 1282.
- Smith, G. A., and H. E. Stein, Baxter Springs, Kans. Garden-plow. No. 880,171; Feb. 25; Sp. p. 4709; Dr. p. 994; Gaz. vol. 132; p. 1700.
- Smith, G. B., *et al.* (See Eubank, S. F., assignor.)
- Smith, G. B., Anoka, Minn. Spring-bottom for beds, &c. No. 905,243; Dec. 1; Sp. p. 239; Gaz. vol. 137; p. 1024.
- Smith, G. B., assignor to Smith Bedding Co., Minneapolis, Minn. Wire-coiling machine. No. 889,265; June 2; Sp. p. 144; Dr. p. 35; Gaz. vol. 134; p. 1081.
- Smith, G. B., and I. Robbins, Philadelphia, Pa. Stamp-affixer. No. 902,179; Oct. 27; Sp. p. 4410; Dr. p. 894; Gaz. vol. 136; p. 1854.
- Smith, G. E., Winnfield, La. Meat-tenderer. No. 881,204; Mar. 10; Sp. p. 1407; Dr. p. 304; Gaz. vol. 133; p. 270.
- Smith, G. F., (See Sisty, H. J., assignor.)
- Smith, G. H., (See McDonald, P., assignor.)
- Smith, G. J., (See Newson, C. H., assignor.)
- Smith, G. L., Aberdeen, Scotland. Fire and temperature alarm or indicator. No. 891,743; June 23; Sp. p. 5193; Dr. p. 1122; Gaz. vol. 134; p. 1980.
- Smith, G. L., Aberdeen, Scotland. Fire and temperature alarm or indicator. No. 905,378; Dec. 1; Sp. p. 500; Gaz. vol. 137; p. 1068.
- Smith, G. P., Bangor, Me. Cover-fastening means. No. 894,913; Aug. 4; Sp. p. 249; Dr. p. 54; Gaz. vol. 135; p. 938.
- Smith, G. R., Dover, N. H. Shock-absorbing device. No. 881,629; Mar. 10; Sp. p. 2275; Dr. p. 493; Gaz. vol. 133; p. 409.
- Smith, G. R., assignor to G. R. Smith & Company, Shelbyville, Ky. Stretcher for trousers. No. 889,821; June 2; Sp. p. 1228; Dr. p. 284; Gaz. vol. 134; p. 1258.
- Smith, G. S., Washington, D. C. Sketching outfit. No. 897,794; Sept. 1; Sp. p. 1112; Dr. p. 239; Gaz. vol. 136; p. 178.
- Smith, G. W., (See Flag and Smith.)
- Smith, G. W., (See Ramsey and Smith.)
- Smith, G. W., Henry, Mo. Power-transmitting mechanism. No. 891,108; June 16; Sp. p. 3877; Dr. p. 848; Gaz. vol. 134; p. 1739.
- Smith, G. W., assignor of one-half to F. R. Prescher, Marquette, Mich. Air-heating attachment for stoves. No. 895,052; Aug. 4; Sp. p. 556; Dr. p. 114; Gaz. vol. 135; p. 986.
- Smith, H., (See Johnson and Smith.)
- Smith, H., *et al.* (See Sebree, W. T., assignor.)
- Smith, H., Springfield, Mass. Steering-knuckle for automobiles. No. 876,104; Jan. 7; Sp. p. 815; Dr. p. 175; Gaz. vol. 132; p. 139.
- Smith, H., and A. P., Springfield, Mass. Metal vehicle-body. No. 879,205; Feb. 18; Sp. p. 2696; Dr. p. 562; Gaz. vol. 132; p. 1350.
- Smith, H. A., Elgin, Ill. Wrench. No. 885,191; Apr. 21; Sp. p. 3137; Dr. p. 659; Gaz. vol. 133; p. 1745.
- Smith, H. C., *et al.* (See Smith and Campbell, assignors.)
- Smith, H. C., deceased, Pittsburg, Pa., (M. E. Smith, administratrix,) assignor of one-half to F. Mack, Pittsburg, Pa. File or cabinet. No. 887,282; May 12; Sp. p. 1910; Dr. p. 405; Gaz. vol. 134; p. 338.
- Smith, H. D., *et al.* (See Crouch, F. J. and L. A., assignors.)
- Smith, H. E., (See Peters, P. O., assignor.)
- Smith, H. E., Edinburgh, Scotland. Carbureting apparatus. No. 883,249; Mar. 31; Sp. p. 5501; Dr. p. 1173; Gaz. vol. 133; p. 1028.
- Smith, H. E., St. Louis, Mo. Mailing-card. No. 887,351; May 12; Sp. p. 2072; Dr. p. 434; Gaz. vol. 134; p. 363.
- Smith, H. E., and W. M. Campbell, assignors to H. E. and B. H. Smith, Kansas City, Mo. Loaf-molding machine. No. 892,559; July 7; Sp. p. 316; Dr. p. 69; Gaz. vol. 135; p. 60.
- Smith, H. F., Lexington, Ohio. Feeding fuel into gas-producers. No. 880,411; Feb. 25; Sp. p. 5192; Dr. p. 1094; Gaz. vol. 132; p. 1780.
- Smith, H. F., Seattle, Wash. Dental impression-tray. No. 883,055; Mar. 24; Sp. p. 5087; Dr. p. 1086; Gaz. vol. 133; p. 934.
- Smith, H. F., Lexington, Ohio. Producer-gas apparatus. No. 888,359; May 19; Sp. p. 4048; Dr. p. 854; Gaz. vol. 134; p. 721.
- Smith, H. F., Lexington, Ohio. Apparatus for purifying gas. No. 894,753; July 28; Sp. p. 4918; Dr. p. 1024; Gaz. vol. 135; p. 858.
- Smith, H. H., Elsinore, Cal. Clay-screen. No. 887,436; May 12; Sp. p. 2259; Dr. pp. 473-4; Gaz. vol. 134; p. 391.
- Smith, H. K., Union, S. C. Soda-fountain. No. 886,881; May 5; Sp. p. 1097; Dr. p. 230; Gaz. vol. 134; p. 180.
- Smith, H. K., Union, S. C. Soda-fountain. No. 886,882; May 5; Sp. p. 1100; Dr. pp. 230-1; Gaz. vol. 134; p. 181.
- Smith, H. K., Baltimore, assignor to Federal Can Company, of Caroline county, Federalsburg, Md. Solder-feeding mechanism. No. 894,236; July 28; Sp. p. 3889; Dr. pp. 803-4; Gaz. vol. 135; p. 689.
- Smith, H. L., Pittsburg, Pa. Lock-nut. No. 897,168; Aug. 25; Sp. p. 4824; Dr. p. 1026; Gaz. vol. 135; p. 1746.
- Smith, H. L., Clinton, assignor to Clinton Wire Cloth Company, Boston, Mass. Crimping apparatus for electric welding-machines. No. 896,476; Aug. 18; Sp. p. 3385; Dr. p. 729; Gaz. vol. 135; p. 1496.
- Smith, H. M., assignor to Lyon & Healy, Chicago, Ill. Valve for piano or organ players. No. 878,096; Feb. 4; Sp. p. 410; Dr. p. 87; Gaz. vol. 132; p. 914.
- Smith, H. M., assignor to Commonwealth Machine Company, Worcester, Mass. Shears for cutting sheet metal. No. 906,572; Dec. 15; Sp. p. 2823; Gaz. vol. 137; p. 1511.
- Smith, H. O., (See Weidely, G. A., assignor.)
- Smith, H. V., assignor of one-half to E. H. H. Smith, Bridgeport, Conn. Plating-rack. No. 890,882; June 16; Sp. p. 3424; Dr. p. 750; Gaz. vol. 134; p. 1666.

Alphabetical list of patentees—Continued.

- Smith, H. W. (See Smith, S. B. and H. W.)
- Smith, H. W., Boston, assignor to H. M. Ballard, Lynn, Mass. Massage apparatus. No. 876,103; Jan. 7; Sp. p. 813; Dr. p. 175; Gaz. vol. 132; p. 138.
- Smith, I., administrator. (See Smith, J.)
- Smith, I. B., assignor to Stokes & Smith Company, Philadelphia, Pa. Note-sheet for automatic musical instruments. No. 875,858; Jan. 7; Sp. p. 334; Dr. p. 74; Gaz. vol. 132; p. 62.
- Smith, I. B., assignor to Stokes & Smith Company, Philadelphia, Pa. Pianissimo device for musical instruments. No. 877,603; Jan. 28; Sp. p. 3940; Dr. p. 852; Gaz. vol. 132; p. 727.
- Smith, I. B., assignor to Electrelle Company, Philadelphia, Pa. Pianissimo device or expression-governor. No. 877,604; Jan. 28; Sp. p. 3943; Dr. pp. 852-3; Gaz. vol. 132; p. 728.
- Smith, I. B., assignor to Electrelle Company, Philadelphia, Pa. Friction-shoe for self-playing musical instruments. No. 890,188; June 9; Sp. p. 1997; Dr. p. 440; Gaz. vol. 134; p. 1408.
- Smith, I. L., Carthage, Mo. Veterinary operating-table. No. 886,656; May 5; Sp. p. 627; Dr. p. 130; Gaz. vol. 134; p. 108.
- Smith, I. T., Norfolk, Va. Gasolene-lamp. No. 885,799; Apr. 28; Sp. p. 4395; Dr. p. 920; Gaz. vol. 133; p. 1972.
- Smith, J. (See Kerr and Smith.)
- Smith, J., Spokane, Wash. Oscillating engine. No. 877,132; Jan. 21; Sp. p. 2984; Dr. pp. 644-5; Gaz. vol. 132; p. 552.
- Smith, J., Scranton, Pa. Track and hanger. No. 906,948; Dec. 15; Sp. p. 3539; Gaz. vol. 137; p. 1630.
- Smith, J., deceased, (I. Smith, administrator.) assignor of one-half to E. P. Lynch, Salt Lake City, Utah. Mechanism for agitating and handling ore or other substances. No. 894,174; July 21; Sp. p. 3748; Dr. pp. 774-5; Gaz. vol. 135; p. 648.
- Smith, J., assignor of one-third to H. M. Carpenter, Hope, N. D. Tying appliance. No. 897,795; Sept. 1; Sp. p. 1114; Dr. p. 239; Gaz. vol. 136; p. 179.
- Smith, J., and R. C. Hopkins, Batavia, Ill. Coin-controlled lock. No. 905,470; Dec. 1; Sp. p. 725; Gaz. vol. 137; p. 1100.
- Smith, J. A., Combs, Ark. Turbine water-wheel. No. 884,426; Apr. 14; Sp. p. 1524; Dr. p. 327; Gaz. vol. 133; p. 1467.
- Smith, J. A., New York, N. Y. Machine for casting battery-grids. No. 895,902; Aug. 11; Sp. p. 2248; Dr. p. 480; Gaz. vol. 135; p. 1288.
- Smith, J. A., Denver, Colo. Burglar-alarm. No. 896,769; Aug. 25; Sp. p. 3968; Dr. p. 854; Gaz. vol. 135; p. 1613.
- Smith, J. B. (See La Har, E. A., assignor.)
- Smith, J. B., Los Angeles, Cal. Metallic sectional barrel. No. 902,846; Nov. 3; Sp. p. 637; Gaz. vol. 137; p. 106.
- Smith, J. B., and Y. D. Lott, Jackson, Miss. Electric-light cut-off. No. 892,095; June 30; Sp. p. 5895; Dr. p. 1269; Gaz. vol. 134; p. 2127.
- Smith, J. C., Cleveland, Ohio. Pumping-engine. No. 878,159; Feb. 4; Sp. p. 523; Dr. p. 112; Gaz. vol. 132; p. 935.
- Smith, J. D., St. Louis, Mo. Time-recorder. No. 883,355; Mar. 31; Sp. p. 5705; Dr. p. 1218; Gaz. vol. 133; p. 1062.
- Smith, J. E., El Paso, Tex. Safety device for steam-boilers. No. 893,028; July 14; Sp. p. 1308; Dr. p. 275; Gaz. vol. 135; p. 243.
- Smith, J. E., North Lansing, Mich. Tank-indicator. No. 894,468; July 28; Sp. p. 4375; Dr. p. 903; Gaz. vol. 135; p. 767.
- Smith, J. E., Atlanta, Ga. Canopy-top for vehicles. No. 896,863; Aug. 25; Sp. p. 4178; Dr. pp. 894-5; Gaz. vol. 135; p. 1645.
- Smith, J. E., Kansas City, Kans. Drum-cylinder motor. No. 899,341; Sept. 22; Sp. p. 4147; Dr. pp. 887-8; Gaz. vol. 136; p. 769.
- Smith, J. G., Pawnee, Ill. Rail-joint. No. 881,160; Mar. 10; Sp. p. 1332; Dr. p. 286; Gaz. vol. 133; p. 256.
- Smith, J. G., St. Paul, Minn. Box. No. 896,945; Aug. 25; Sp. p. 4363; Dr. p. 935; Gaz. vol. 135; p. 1672.
- Smith, J. G., Wahoo, Nebr. Cushion-tire. No. 899,139; Sept. 22; Sp. p. 3743; Dr. p. 802; Gaz. vol. 136; p. 705.
- Smith, J. G., Chicago, Ill. Machine for making skeins and their holders. No. 903,610; Nov. 10; Sp. p. 2162; Gaz. vol. 137; p. 383.
- Smith, J. G., Covington, Ky., assignor to Railway Journal Lubricator Company, Cincinnati, Ohio. Journal-box. No. 903,334; Nov. 10; Sp. p. 1599; Gaz. vol. 137; p. 293.
- Smith, J. H. (See Estes and Smith.)
- Smith, J. H. (See Merckens and Smith.)
- Smith, J. H. (See Neely, J. W., assignor.)
- Smith, J. H., *et al.* (See Payne, E. E. M., assignor.)
- Smith, J. H. (See Scott and Curtis, assignors.)
- Smith, J. H., Zurich, Switzerland. Manufacture of films for photographic and other purposes. No. 886,883; May 5; Sp. p. 1106; Dr. p. 231; Gaz. vol. 134; p. 181.
- Smith, J. H., Allegheny, Pa. Reproducing objects. No. 891,013; June 16; Sp. p. 3718; Dr. pp. 811-12; Gaz. vol. 134; p. 1710.
- Smith, J. H., Portland, Me. Bottle-stopper. No. 900,223; Oct. 6; Sp. p. 310; Dr. p. 63; Gaz. vol. 136; p. 1123.
- Smith, J. J. (See Mendel and Smith.)
- Smith, J. J., New York, N. Y. Making lasts. No. 882,274; Mar. 17; Sp. p. 3582; Dr. p. 760; Gaz. vol. 133; p. 646.
- Smith, J. L., Pawtuxet, R. I. Reel-clamp for fishing-rods. No. 887,437; May 12; Sp. p. 2263; Dr. p. 474; Gaz. vol. 134; p. 391.
- Smith, J. L. and M. O., Cleveland, Ohio. Storage battery. No. 903,799; Nov. 10; Sp. p. 2533; Gaz. vol. 137; p. 442.
- Smith, J. M. (See Williams, J. H., assignor.)
- Smith, J. M., Waite Park, assignor of one-half to F. C. Lindt, St. Cloud, Minn. Combined truck and jack. No. 885,302; Apr. 21; Sp. p. 3362; Dr. p. 703; Gaz. vol. 133; p. 1785.
- Smith, J. M., assignor, by mesne assignments, to Worcester Railway Supply Company, Worcester, Mass. Car-fender. No. 889,862; June 2; Sp. p. 1305; Dr. p. 299; Gaz. vol. 134; p. 1272.
- Smith, J. M. C. (See Smith, L. J., assignor.)
- Smith, J. R. (See Tibbs, A., assignor.)
- Smith, J. R. (See Trainor and Smith.)
- Smith, J. R., Towson, Md. Non-refillable bottle. No. 877,674; Jan. 23; Sp. p. 4086; Dr. p. 884; Gaz. vol. 132; p. 751.
- Smith, J. R., Redboiling Springs, Tenn. Rail-joint. No. 896,418; Aug. 18; Sp. p. 3267; Dr. p. 700; Gaz. vol. 135; p. 1476.
- Smith, J. W. (See Perkins and Smith.)
- Smith, J. W. (See Rude and Smith.)
- Smith, J. W., Erie, Pa. Pneumatic drill. No. 877,523; Jan. 28; Sp. p. 3774; Dr. p. 817; Gaz. vol. 132; p. 702.
- Smith, J. W., Dayton, Ohio. Street-cleaner. No. 886,263; Apr. 28; Sp. p. 5307; Dr. p. 1117; Gaz. vol. 133; p. 2126.
- Smith, J. W., Portland, Oreg. Means for controlling the stroke of fluid-operated pistons. No. 893,393; July 14; Sp. p. 2006; Dr. p. 420; Gaz. vol. 135; p. 362.
- Smith, J. W., Wickenburg, Ariz. Ter. Water-circulating apparatus for internal-combustion engines. No. 905,379; Dec. 1; Sp. p. 503; Gaz. vol. 137; p. 1069.
- Smith, J. W., assignor of one-half to L. A. Campbell, Lynn, Mass. Playing-ball. No. 906,664; Dec. 15; Sp. p. 2986; Gaz. vol. 137; p. 1539.
- Smith, J. W., assignor to Aurora Manufacturing Company, Aurora, Iowa. Governing mechanism for explosive-engines. No. 906,949; Dec. 15; Sp. p. 3542; Gaz. vol. 137; p. 1630.
- Smith, J. W., and S. A. Culbreth, Gordon, Ala. Journal-box. No. 880,927; Mar. 3; Sp. p. 894; Dr. p. 193; Gaz. vol. 133; p. 151.
- Smith, L., North Tonawanda, N. Y. Electric trolley. No. 880,107; Feb. 25; Sp. p. 4575; Dr. p. 964; Gaz. vol. 132; p. 1678.
- Smith, L., Myrtle Point, Oreg. Ax attachment for sawing logs. No. 880,412; Feb. 25; Sp. p. 5193; Dr. p. 1095; Gaz. vol. 132; p. 1780.
- Smith, L. C., New York, N. Y. Door-securer. No. 880,108; Feb. 25; Sp. p. 4577; Dr. p. 964; Gaz. vol. 132; p. 1678.
- Smith, L. E., Lock Haven, assignor of one-half to P. W. Gordon, Catawissa Pa. Fastening device for wearing-apparel. No. 878,678; Feb. 11; Sp. p. 1676; Dr. p. 346; Gaz. vol. 132; p. 1142.
- Smith, L. H. (See Jones, M. D., assignor.)
- Smith, L. H., Killbuck, Ohio. Clod-crusher. No. 907,903; Dec. 29; Sp. p. 5512; Gaz. vol. 137; p. 2010.
- Smith, L. J., Eaton Rapids, assignor of one-half to J. M. C. Smith, Charlotte, Mich. Egg-crate-filler machine. No. 888,543; May 26; Sp. p. 4424; Dr. pp. 938-40; Gaz. vol. 134; p. 812.
- Smith, L. R., Colorado Springs, Colo. Knotter. No. 903,240; Nov. 10; Sp. p. 1412; Gaz. vol. 137; p. 262.
- Smith, L. Y., Parker, Kans. Detachable button. No. 885,879; Apr. 28; Sp. p. 4546; Dr. p. 954; Gaz. vol. 133; p. 2000.
- Smith Lyraphone Company. (See Smith, F. P., assignor.)
- Smith, M., South Reddish, near Manchester, England. Bronzing-machine. No. 880,170; Feb. 25; Sp. p. 4708; Dr. p. 994; Gaz. vol. 132; p. 1699.
- Smith, M., Kansas City, Mo. Lace-curtain stretcher and drier. No. 905,471; Dec. 1; Sp. p. 727; Gaz. vol. 137; p. 1100.
- Smith, M., and G. A. Seyffert, Lamar, Mo. Tire-setting machine. No. 887,973; May 19; Sp. p. 3320; Dr. p. 698; Gaz. vol. 134; p. 598.
- Smith, M. A., New York, N. Y. Combined filter and hydraulic press. No. 880,588; Mar. 3; Sp. p. 200; Dr. p. 43; Gaz. vol. 133; p. 36.
- Smith, M. A., New York, N. Y. Coating-machine. No. 901,749; Oct. 20; Sp. p. 3543; Dr. pp. 176-18; Gaz. vol. 136; p. 1686.
- Smith, M. A., New York, N. Y. Coating-machine. No. 905,472; Dec. 1; Sp. p. 728; Gaz. vol. 137; p. 1101.
- Smith, M. A., Providence, R. I. Beam-compass. No. 893,881; July 21; Sp. p. 3136; Dr. p. 644; Gaz. vol. 135; p. 551.
- Smith, M. B., Gunnison, Colo. Folding umbrella. No. 883,675; Mar. 31; Sp. p. 6378; Dr. p. 1360; Gaz. vol. 133; p. 1163.
- Smith, M. B., Syracuse, N. Y. Appliance for removing facial defects. No. 892,560; July 7; Sp. p. 318; Dr. p. 70; Gaz. vol. 135; p. 60.
- Smith, M. C., Dupont, Ohio. Rotary cutter. No. 906,318; Dec. 8; Sp. p. 2361; Gaz. vol. 137; p. 1405.
- Smith, M. E., administratrix. (See Smith, H. C.)
- Smith, M. E., Bronson, Mich. Speeding-cart. No. 887,133; May 12; Sp. p. 1579; Dr. p. 335; Gaz. vol. 134; p. 290.
- Smith, M. F., assignor to E. V. Bates, Lowell, Mass. Steam-heating apparatus. No. 902,539; Oct. 27; Sp. p. 5207; Dr. pp. 1051-2; Gaz. vol. 136; p. 1974.

Alphabetical list of patentees—Continued.

- Smith, M. O. (See Smith, J. L. and M. O.)
- Smith, M. O., Weston county, Wyo. Lamp-wick hook. No. 876,663; Jan. 14; Sp. p. 2020; Dr. p. 441; Gaz. vol. 132; p. 358.
- Smith, M. V., New York, N. Y. Furnace. No. 883,057; Mar. 24; Sp. p. 5088; Dr. p. 1087; Gaz. vol. 133; p. 934.
- Smith, M. W., assignor to J. A. Parsons, Troy, Pa. Oiling system for engines. No. 891,785; June 23; Sp. p. 5282; Dr. pp. 1143-4; Gaz. vol. 134; p. 1996.
- Smith, N., New Britain, Conn. Building construction. No. 879,595; Feb. 18; Sp. p. 3515; Dr. p. 736; Gaz. vol. 132; p. 1478.
- Smith, N. A., Grand Rapids, Mich. Shipping-case. No. 895,209; Aug. 4; Sp. p. 875; Dr. p. 183; Gaz. vol. 135; p. 1040.
- Smith, N. A., Grand Rapids, Mich. Box-fastener. No. 898,279; Sept. 8; Sp. p. 2110; Dr. p. 449; Gaz. vol. 136; p. 365.
- Smith, N. H. (See Hershey and Smith.)
- Smith, N. W. (See Mitchell, W. J., assignor.)
- Smith, O., Bridgeton, N. J. Notching-press. No. 880,413; Feb. 25; Sp. p. 5194; Dr. pp. 1095-6; Gaz. vol. 132; p. 1780.
- Smith, O., Sully, Iowa. Marking attachment for corn-planters. No. 895,507; Aug. 11; Sp. p. 1466; Dr. p. 307; Gaz. vol. 135; p. 1161.
- Smith, O., Remer, Minn. Sled-knuckle. No. 900,319; Oct. 6; Sp. p. 528; Dr. p. 110; Gaz. vol. 136; p. 1155.
- Smith, O. A., assignor to E. C. Henn, Cleveland, Ohio. Nut-tapping machine. No. 899,915; Sept. 29; Sp. p. 5310; Dr. pp. 1135-6; Gaz. vol. 136; p. 992.
- Smith, O. A., assignor to E. C. Henn, Cleveland, Ohio. Tap. No. 899,916; Sept. 29; Sp. p. 5314; Dr. p. 1136; Gaz. vol. 136; p. 992.
- Smith, O. A., assignor to E. C. Henn, Cleveland, Ohio. Tapping nut-blanks. No. 900,042; Sept. 29; Sp. p. 5611; Dr. p. 1197; Gaz. vol. 136; p. 1034.
- Smith, O. C., and P. Lanham, Washington, D. C. Manometer. No. 891,193; June 16; Sp. p. 4045; Dr. p. 886; Gaz. vol. 134; p. 1766.
- Smith, O. E., Shattuck, Okla. Barber's pole. No. 879,984; Feb. 25; Sp. p. 4332; Dr. p. 907; Gaz. vol. 132; p. 1639.
- Smith, O. L., Philadelphia, Pa. Display-rack. No. 899,342; Sept. 22; Sp. p. 4150; Dr. p. 888; Gaz. vol. 136; p. 770.
- Smith, O. L., Philadelphia, Pa. Display-rack. No. 899,475; Sept. 22; Sp. p. 4382; Dr. p. 940; Gaz. vol. 136; p. 811.
- Smith, P., Bardwell, Ky. Wire-working tool. No. 879,686; Feb. 18; Sp. p. 3701; Dr. p. 775; Gaz. vol. 132; p. 1508.
- Smith, P. E., McKeesport, Pa. Whirligig. No. 899,686; Sept. 29; Sp. p. 4834; Dr. p. 1035; Gaz. vol. 136; p. 916.
- Smith, P. S., Philadelphia, Pa. Blank-gumming machine. No. 890,309; June 9; Sp. p. 2267; Dr. p. 500; Gaz. vol. 134; p. 1447.
- Smith, P. S., Philadelphia, Pa. Box-covering blank. No. 895,508; Aug. 11; Sp. p. 1468; Dr. p. 308; Gaz. vol. 135; p. 1161.
- Smith, P. S., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Recovery of sulfur from sulfur-bearing gases. No. 878,569; Feb. 11; Sp. p. 1445; Dr. p. 295; Gaz. vol. 132; p. 1105.
- Smith, P. S., assignor to E. N. Sanctuary, R. P. Clark, and E. E. Smith, Galveston, Tex. Means for laying dredging-pipes. No. 894,168; July 21; Sp. p. 3727; Dr. p. 771; Gaz. vol. 135; p. 647.
- Smith, P. T., Bangor, Me. Tucker and gatherer for sewing-machines. No. 876,105; Jan. 7; Sp. p. 818; Dr. pp. 175-6; Gaz. vol. 132; p. 139.
- Smith, P. V., Lyons, Kans. Telephone system. No. 902,338; Oct. 27; Sp. p. 4763; Dr. p. 961; Gaz. vol. 136; p. 1906.
- Smith Premier Typewriter Company. (See Barrett, G. J., assignor.)
- Smith Premier Typewriter Company. (See Brown and Barr, assignors.)
- Smith Premier Typewriter Company. (See Stillman, G. F., assignor.)
- Smith, R., Denver, and P. Christensen, Fort Logan, Colo. Car-truck. No. 901,396; Oct. 20; Sp. p. 2781; Dr. pp. 565-6; Gaz. vol. 136; p. 1569.
- Smith, R. A., Bay City, Mich. Cement-tie mold. No. 885,539; Apr. 21; Sp. p. 3852; Dr. p. 805; Gaz. vol. 133; p. 1859.
- Smith, R. A., Marshalltown, assignor to G. A. Smith, Laurel, Iowa, and G. E. and T. L. Wetmore, Galesburg, Ill. Thread-cutting device. No. 878,097; Feb. 4; Sp. p. 411; Dr. p. 87; Gaz. vol. 132; p. 915.
- Smith, R. B., et al. (See Revor, B., assignor.)
- Smith, R. B., New York, N. Y. Sound-reproducer. No. 881,831; Mar. 10; Sp. p. 2656; Dr. p. 569; Gaz. vol. 133; p. 472.
- Smith, R. B., New York, N. Y. Automatic stop for talking-machines. No. 906,319; Dec. 8; Sp. p. 2362; Gaz. vol. 137; p. 1406.
- Smith, R. D. (See Terry, O. N., assignor.)
- Smith, R. H. (See Griggs and Smith.)
- Smith, R. H., Ballard, Wash. Tool-handle. No. 895,903; Aug. 11; Sp. p. 2250; Dr. p. 480; Gaz. vol. 135; p. 1288.
- Smith, R. L., et al. (See Jones, G. G., assignor.)
- Smith, R. L., Lynchburg, Va. Feeding device for draft-animals. No. 883,056; Mar. 24; Sp. p. 5088; Dr. p. 1086; Gaz. vol. 133; p. 934.
- Smith, R. N. W. (See Smith, B. S., and R. N. W.)
- Smith, R. P., and G. E. Drum, Philadelphia, Pa. Dyeing-machine. No. 905,473; Dec. 1; Sp. p. 733; Gaz. vol. 137; p. 1101.
- Smith, R. R., assignor, by mesne assignments, to General Specialty Manufacturing Company, Philadelphia, Pa. Tack and nail puller. No. 877,524; Jan. 28; Sp. p. 3776; Dr. p. 817; Gaz. vol. 132; p. 702.
- Smith, R. R., assignor, by mesne assignments, to General Specialty Manufacturing Company, Philadelphia, Pa. Tack and nail lifter. No. 877,525; Jan. 28; Sp. p. 3776; Dr. p. 817; Gaz. vol. 132; p. 703.
- Smith, R. R., assignor, by mesne assignments, to General Specialty Manufacturing Company, Philadelphia, Pa. Tack and nail lifter. No. 877,526; Jan. 28; Sp. p. 3777; Dr. p. 818; Gaz. vol. 132; p. 703.
- Smith, R. W., Wichita, Kans. Shoe-hanger. No. 895,696; Aug. 11; Sp. p. 1836; Dr. p. 391; Gaz. vol. 135; p. 1222.
- Smith, S. A. (See Johnson, W. E., assignor.)
- Smith, S. B. and H. W., Hamilton, Ontario, Canada. Pneumatic straw-stacker. No. 891,299; June 23; Sp. p. 4279; Dr. p. 935; Gaz. vol. 134; p. 1835.
- Smith, S. H., Carbondale, Pa. Cravat-former. No. 902,923; Nov. 3; Sp. p. 788; Gaz. vol. 137; p. 130.
- Smith, S. J., Hot Springs, Ark. Rotary churn. No. 901,492; Oct. 20; Sp. p. 3005; Dr. p. 613; Gaz. vol. 136; p. 1601.
- Smith, S. M., Boise, Idaho. Stump and tree puller. No. 899,488; June 2; Sp. p. 608; Dr. p. 142; Gaz. vol. 134; p. 1153.
- Smith, S. M., Boise, Idaho. Saving the values of concentrates and slimes. No. 895,509; Aug. 11; Sp. p. 1470; Dr. p. 308; Gaz. vol. 135; p. 1162.
- Smith, S. S., New York, N. Y. Clothes-holder. No. 887,134; May 12; Sp. p. 1580; Dr. p. 335; Gaz. vol. 134; p. 290.
- Smith, S. S., Osage, Iowa. Means for connecting and disconnecting reciprocating engines. No. 905,011; Nov. 24; Sp. p. 5109; Gaz. vol. 137; p. 910.
- Smith, S. T., Jr., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 881,448; Mar. 10; Sp. p. 1907; Dr. p. 415; Gaz. vol. 133; p. 348.
- Smith, S. T., Jr., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 887,438; May 12; Sp. p. 2264; Dr. p. 474; Gaz. vol. 134; p. 391.
- Smith, S. T., Jr., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 890,806; June 16; Sp. p. 3289; Dr. p. 720; Gaz. vol. 134; p. 1643.
- Smith, S. T., Jr., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 890,807; June 16; Sp. p. 3292; Dr. p. 721; Gaz. vol. 134; p. 1645.
- Smith, S. W., Douglasville, Ga. Road-machine. No. 876,846; Jan. 14; Sp. p. 2343; Dr. p. 514; Gaz. vol. 132; p. 414.
- Smith & Sons Mfg. Co. (See Livengood, W. S., assignor.)
- Smith, T. A. (See Johnson and Smith.)
- Smith, T. H. (See Brooks, L. H., assignor.)
- Smith, T. H., San Francisco, Cal. Valve mechanism for air-compressors. No. 888,126; May 19; Sp. p. 3612; Dr. p. 757; Gaz. vol. 134; p. 646.
- Smith, T. J., Ensley, Ala. Cotton-chopper. No. 885,654; Apr. 21; Sp. p. 4076; Dr. pp. 852-3; Gaz. vol. 133; p. 1895.
- Smith, T. L. (See Symons, E. B., assignor.)
- Smith, T. L., Detroit, Mich. Rat-trap. No. 895,050; Aug. 4; Sp. p. 554; Dr. p. 114; Gaz. vol. 135; p. 985.
- Smith, T. L., assignor to T. L. Smith Company, Milwaukee, Wis. Mixing-machine. No. 880,248; Feb. 25; Sp. p. 4870; Dr. pp. 1030-1; Gaz. vol. 132; p. 1726.
- Smith, T. L., assignor to T. L. Smith Company, Milwaukee, Wis. Machine for mixing concrete and the like. No. 883,498; Mar. 31; Sp. p. 6029; Dr. pp. 1287-8; Gaz. vol. 133; p. 1111.
- Smith, U. P., Akron, Ohio. Vehicle-wheel. No. 893,270; July 14; Sp. p. 1785; Dr. p. 375; Gaz. vol. 135; p. 322.
- Smith, U. S., Sacramento, Cal. Automatic air-brake-pressure adjuster. No. 883,917; Apr. 7; Sp. p. 497; Dr. p. 99; Gaz. vol. 133; p. 1272.
- Smith, U. S., Sacramento, Cal. Air-brake system. No. 883,918; Apr. 7; Sp. p. 499; Dr. pp. 99-100; Gaz. vol. 133; p. 1272.
- Smith, U. S., Sacramento, Cal. Automatic air-brake-pressure adjuster. No. 892,561; July 7; Sp. p. 319; Dr. p. 70; Gaz. vol. 135; p. 60.
- Smith, V. G., Copenhagen, Denmark. Washing butter. No. 881,030; Mar. 10; Sp. p. 2276; Dr. p. 494; Gaz. vol. 133; p. 409.
- Smith, W. (See Dabney and Smith.)
- Smith, W. (See Jones, W. H., assignor.)
- Smith, W., Somers Point, N. J. Sea-wall, breakwater, and similar structure. No. 905,596; Dec. 1; Sp. p. 972; Gaz. vol. 137; p. 1139.
- Smith, W., and F. Campbell, Glasgow, Scotland. Chalk attachment for billiard-tables. No. 905,380; Dec. 1; Sp. p. 505; Gaz. vol. 137; p. 1069.
- Smith, W. A., assignor of one-half to S. J. Harris, Union, S. C. Nut-lock. No. 899,630; Sept. 29; Sp. p. 4739; Dr. p. 1014; Gaz. vol. 136; p. 900.
- Smith, W. B., Hartsells, Ala. Cotton and cotton-seed conveyer. No. 880,172; Feb. 25; Sp. p. 4710; Dr. pp. 994-5; Gaz. vol. 132; p. 1700.

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- Smith, W. B., Grand Ledge, Mich. Gearing mechanism for bicycles, &c. No. 881,729; Mar. 10; Sp. p. 2460; Dr. p. 530; Gaz. vol. 133; p. 439.
- Smith, W. C., administrator de bonis non. (See Hann, E. L.)
- Smith, W. C. (See Scriven and Smith.)
- Smith, W. C., Campbell, Cal. Sheet-music. No. 885,192; Apr. 21; Sp. p. 3140; Dr. p. 659; Gaz. vol. 133; p. 1748.
- Smith, W. C., Morris City, Ill. Animal-trap. No. 892,015; June 30; Sp. p. 5761; Dr. p. 1279; Gaz. vol. 134; p. 2102.
- Smith, W. C., assignor of two-thirds to J. A. Pardoe and D. Cole, Omaha, Nebr. Lock-seam for metal pipes. No. 891,570; June 23; Sp. p. 4834; Dr. p. 1043; Gaz. vol. 134; p. 1923.
- Smith, W. D., Floreffe, Pa. Crossing or connection for rails. No. 897,169; Aug. 25; Sp. p. 4825; Dr. p. 1026; Gaz. vol. 135; p. 1746.
- Smith, W. D., assignor of two-thirds to F. L. Adams and J. A. Firman, Prophetstown, Ill. Quick-opening envelop. No. 895,053. Aug. 4; Sp. p. 557; Dr. pp. 114-15; Gaz. vol. 135; p. 986.
- Smith, W. D., assignor of two-thirds to F. L. Adams and J. A. Firman, Prophetstown, Ill. Pin-ticket. No. 903,611; Nov. 10; Sp. p. 2168; Gaz. vol. 137; p. 384.
- Smith, W. E. (See Smith, W. F. and W. E.)
- Smith, W. E., Pineville, Ky. Coupling member for tool-handles. No. 883,499; Mar. 31; Sp. p. 6034; Dr. p. 1288; Gaz. vol. 133; p. 1111.
- Smith, W. E., Pineville, Ky. Safety-envelop. No. 905,757; Dec. 1; Sp. p. 1276; Gaz. vol. 137; p. 1191.
- Smith, W. E., Cleveland, Ohio. Fastener. No. 900,963; Oct. 13; Sp. p. 1905; Dr. p. 387; Gaz. vol. 136; p. 1392.
- Smith, W. F., Coshocton, Ohio. Match-safe. No. 877,527; Jan. 28; Sp. p. 3778; Dr. p. 818; Gaz. vol. 132; p. 703.
- Smith, W. F., assignor of one-half to Southern Novelty Company, Hartsville, S. C. Manufacture of paper cones for yarn-winding machines. No. 886,884; May 5; Sp. p. 1107; Dr. p. 232; Gaz. vol. 134; p. 181.
- Smith, W. F., Watertown, and W. E. Smith, Gouverneur, N. Y. Resilient wheel. No. 907,904; Dec. 29; Sp. p. 5513; Gaz. vol. 137; p. 2010.
- Smith, W. H. (See Harris and Smith.)
- Smith, W. H. (See Nicholson and Smith.)
- Smith, W. H., Reed City, Mich. Temporary bed-rail. No. 890,461; June 9; Sp. p. 2536; Dr. p. 561; Gaz. vol. 134; p. 1494.
- Smith, W. H., Reed City, Mich. Perambulator. No. 899,343; Sept. 22; Sp. p. 4152; Dr. p. 888; Gaz. vol. 136; p. 770.
- Smith, W. H., assignor to Harris Automatic Press Company, Niles, Ohio. Printing-press. No. 879,687; Feb. 18; Sp. p. 3702; Dr. pp. 775-6; Gaz. vol. 132; p. 1508.
- Smith, W. H., assignor of one-half to H. W. Gifford, Aberdeen, S. D. Feed mechanism of roller-mills. No. 900,790; Oct. 13; Sp. p. 1532; Dr. p. 312; Gaz. vol. 136; p. 1335.
- Smith, W. H., and J. H. Klassen, Los Angeles, Cal. Vehicle-spring. No. 883,356; Mar. 31; Sp. p. 5711; Dr. p. 1218; Gaz. vol. 133; p. 1062.
- Smith, W. J., Redboiling Springs, Tenn. Cotton chopper and cultivator. No. 876,664; Jan. 14; Sp. p. 2021; Dr. p. 441; Gaz. vol. 132; p. 358.
- Smith, W. K. (See Williams, L. E., assignor.)
- Smith, W. L., Columbus, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Rod-packing for rock-drills. No. 890,808; June 16; Sp. p. 3294; Dr. pp. 721-2; Gaz. vol. 134; p. 1643.
- Smith, W. M. (See Curwen and Smith.)
- Smith, W. M. (See Heulings and Smith.)
- Smith, W. M., Moore, and S. M. Curwen, Haverford, assignors to J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 901,787; Oct. 20; Sp. p. 3625; Dr. p. 734; Gaz. vol. 136; p. 1698.
- Smith, W. N., Yonkers, N. Y. Support for insulators. No. 878,679; Feb. 11; Sp. p. 1677; Dr. p. 346; Gaz. vol. 132; p. 1142.
- Smith, W. R., et al. (See Winterlich, H. J., assignor.)
- Smith, W. R., Jackson, Mich. Spring construction. No. 879,334; Feb. 18; Sp. p. 2944; Dr. p. 614; Gaz. vol. 132; p. 1393.
- Smith, W. R., Jackson, Mich., assignor to Ventilated Cushion and Spring Company, Chicago, Ill. Spring structure. No. 882,654; Mar. 24; Sp. p. 4301; Dr. p. 913; Gaz. vol. 133; p. 803.
- Smith, W. R., Jackson, Mich., assignor to Ventilated Cushion & Spring Company, Chicago, Ill. Spring structure. No. 891,873; June 30; Sp. p. 5481; Dr. p. 1184; Gaz. vol. 134; p. 2056.
- Smith, W. R., assignor of one-half to H. H. Hewitt, Buffalo, N. Y. Circular loom. No. 908,161; Dec. 29; Sp. p. 6049; Gaz. vol. 137; p. 2096.
- Smith, W. S., Chicago, Ill. Cane. No. 880,047; Feb. 25; Sp. p. 4472; Dr. p. 939; Gaz. vol. 132; p. 1659.
- Smith, W. S., Paducah, Ky. Machine for bending basket-handles. No. 900,890; Oct. 13; Sp. p. 1745; Dr. pp. 352-3; Gaz. vol. 136; p. 1368.
- Smith, W. S., Colfax, Wash. Pocket-scissors. No. 906,950; Dec. 15; Sp. p. 3544; Gaz. vol. 137; p. 1631.
- Smith, W. T., Philadelphia, Pa. Rope portière. No. 903,612; Nov. 10; Sp. p. 2170; Gaz. vol. 137; p. 384.
- Smith, W. W. (See Sarvalla and Smith.)
- Smith & Wesson. (See Wesson, J. H., assignor.)
- Smither, C. J., et al. (See Smoot, G., assignor.)
- Smither, J. W., and H. L. Elder, Nicholasville, Ky. Combined stirrup and spur. No. 899,344; Sept. 22; Sp. p. 4153; Dr. p. 889; Gaz. vol. 136; p. 770.
- Smithson, G. W., Madelia, Minn. Buckle. No. 890,462; June 9; Sp. p. 2537; Dr. p. 561; Gaz. vol. 134; p. 1495.
- Smithwick, J. W. P., La Grange, N. C. Device for automatically controlling lamps on vehicles. No. 883,582; Mar. 31; Sp. p. 6193; Dr. p. 1319; Gaz. vol. 133; p. 1134.
- Smithwick, S. D., Washington, D. C. Fruit and vegetable cutter. No. 878,833; Feb. 11; Sp. p. 1971; Dr. p. 408; Gaz. vol. 132; p. 1192.
- Smitmans, J. A., Pittsburg, Pa. Ash-extractor for gas-producers. No. 892,767; July 7; Sp. p. 730; Dr. pp. 154-5; Gaz. vol. 135; p. 126.
- Smoot, G., assignor of two-thirds to W. H. Johnson and C. J. Smither, Gratz, Ky. Mail-sack. No. 886,264; Apr. 28; Sp. p. 5309; Dr. p. 1118; Gaz. vol. 133; p. 2126.
- Smoot, H. T. (See Crites and Smoot.)
- Smothers, E. A., Mills, Nebr. Dough-raiser. No. 877,675; Jan. 28; Sp. p. 4087; Dr. p. 885; Gaz. vol. 132; p. 751.
- Smyser, J. S., Harwich, Mass., assignor to General Electric Company. Electric fluid-heater. No. 905,597; Dec. 1; Sp. p. 975; Gaz. vol. 137; p. 1139.
- Smyth, G. H., Colorado Springs, Colo. Trestle. No. 907,076; Dec. 8; Sp. p. 1891; Gaz. vol. 137; p. 1324.
- Smyth, H. A., and O. Perschbacher, Wichita, Kans. Tile-mold. No. 895,904; Aug. 11; Sp. p. 2251; Dr. p. 480; Gaz. vol. 135; p. 1289.
- Smyth, W. H., Berkeley, Cal. Ore-roasting furnace. No. 891,900; June 23; Sp. p. 4282; Dr. p. 936; Gaz. vol. 134; p. 1835.
- Smythe, E. H., assignor to Western Electric Company, Chicago, Ill. Automatic motor-starter. No. 888,759; May 26; Sp. p. 4878; Dr. pp. 1039-40; Gaz. vol. 134; p. 884.
- Smythe, E. H., assignor to Western Electric Company, Chicago, Ill. Circuit-breaker. No. 888,760; May 26; Sp. p. 4881; Dr. pp. 1040-1; Gaz. vol. 134; p. 885.
- Smythe, E. H., assignor to Western Electric Company, Chicago, Ill. Coin-collector. No. 892,322; June 30; Sp. p. 6341; Dr. pp. 1367-8; Gaz. vol. 134; p. 2203.
- Smythe, H. E., Oakmont, Pa. Gas-producer. No. 879,920; Feb. 25; Sp. p. 4222; Dr. pp. 880-1; Gaz. vol. 132; p. 1619.
- Smythe, H. E., Oakmont, assignor to S. R. Smythe Company, Pittsburg, Pa. Furnace-feeding apparatus. No. 887,535; May 12; Sp. p. 2462; Dr. pp. 519-20; Gaz. vol. 134; p. 424.
- Smythe, H. E., Oakmont, assignor to S. R. Smythe Company, Pittsburg, Pa. Poke-hole for gas-producers. No. 887,536; May 12; Sp. p. 2464; Dr. p. 520; Gaz. vol. 134; p. 424.
- Smythe, H. E., Oakmont, assignor to S. R. Smythe Company, Pittsburg, Pa. Gas-producer. No. 905,474; Dec. 1; Sp. p. 735; Gaz. vol. 137; p. 1102.
- Smythe, H. E., Oakmont, and E. W. Shinn, assignors to S. R. Smythe Company, Pittsburg, Pa. Charger and stirrer for gas-producers. No. 899,572; Sept. 29; Sp. p. 4605; Dr. pp. 989-90; Gaz. vol. 136; p. 881.
- Snaman, W. E., Allegheny, Pa. Door for sidewalks. No. 894,754; July 28; Sp. p. 4920; Dr. p. 1024; Gaz. vol. 135; p. 858.
- Snapp, D. V., Holdrege, and C. W. Fraher, Lincoln, Nebr. Insulator-pin. No. 877,242; Jan. 21; Sp. p. 3215; Dr. p. 697; Gaz. vol. 132; p. 591.
- Snedden, E. R., Lorain, Ohio. Rifle-sight. No. 894,755; July 28; Sp. p. 4922; Dr. pp. 1024-5; Gaz. vol. 135; p. 859.
- Snedeker, C. V., and J. D. Ware, Savannah, Ga. Turn-table for incubators. No. 890,536; June 9; Sp. p. 2687; Dr. pp. 592-3; Gaz. vol. 134; p. 1519.
- Snediker, W. E., New York, N. Y. Shock-absorber for vehicle-wheels. No. 889,489; June 2; Sp. p. 610; Dr. pp. 142-3; Gaz. vol. 134; p. 1153.
- Snee, J. A. (See Snee, W., assignor.)
- Snee, W., assignor to J. A. Snee, West Elizabeth, Pa. Power-motor. No. 886,548; May 5; Sp. p. 405; Dr. p. 86; Gaz. vol. 134; p. 75.
- Sneed, D. H., Stonewall, Okla. Machine for sharpening plowshares, disks, &c. No. 876,742; Jan. 14; Sp. p. 2161; Dr. pp. 474-5; Gaz. vol. 132; p. 383.
- Snell, C. A. (See Snell, M. A. and C. A.)
- Snell, C. B., Bradford, Mass. Circuit-interrupter. No. 900,320; Oct. 6; Sp. p. 530; Dr. p. 110; Gaz. vol. 136; p. 1155.
- Snell, H. B., Toledo, Ohio. Time-actuated mechanism. No. 899,571; Sept. 29; Sp. p. 4604; Dr. p. 988; Gaz. vol. 136; p. 881.
- Snell, H. B., Toledo, Ohio, assignor to Snell-Judd Company. Automatic time-switch. No. 878,248; Feb. 4; Sp. p. 730; Dr. p. 148; Gaz. vol. 132; p. 966.

Alphabetical list of patentees—Continued.

- Snell, H. B., Toledo, Ohio, assignor to Snell-Judd Company. Actuating mechanism for electric switches. No. 883,150; Mar. 24; Sp. p. 5286; Dr. p. 1127; Gaz. vol. 133; p. 965.
- Snell, H. D., Mawrglen, Pa. Valve. No. 899,079; Sept. 22; Sp. p. 3625; Dr. p. 776; Gaz. vol. 136; p. 684.
- Snell, I., Little Falls, N. Y. Vehicle-wheel. No. 898,280; Sept. 8; Sp. p. 2113; Dr. p. 449; Gaz. vol. 136; p. 366.
- Snell, J. B., Butler, Pa. Fastener for mirrors. No. 878,689; Feb. 11; Sp. p. 1679; Dr. p. 346; Gaz. vol. 132; p. 1143.
- Snell-Judd Company. (See Snell, H. B., assignor.)
- Snell, M. A. and C. A., Syracuse, N. Y. Combined abdominal and hernia pad. No. 883,357; Mar. 31; Sp. p. 5711; Dr. p. 1219; Gaz. vol. 133; p. 1062.
- Snell, M. P., Macon, Ga. Valve for gage-cocks. No. 903,114; Nov. 3; Sp. p. 1162; Gaz. vol. 137; p. 189.
- Snellenburg, E., Philadelphia, Pa. Hospital-nightgown. No. 895,510; Aug. 11; Sp. p. 1472; Dr. p. 308; Gaz. vol. 135; p. 1162.
- Snelling, A. H., London, England. Display device. No. 898,519; Sept. 15; Sp. p. 2582; Dr. p. 552; Gaz. vol. 136; p. 476.
- Snelling, J. E., Newark, Ohio. Meat-tender. No. 880,589; Mar. 3; Sp. p. 202; Dr. p. 44; Gaz. vol. 130; p. 36.
- Snesrud, A., Webster, Minn. Breast-strap neck-yoke-ring holder. No. 903,335; Nov. 10; Sp. p. 1600; Gaz. vol. 137; p. 293.
- Snevely, J. E., San Francisco, Cal. Dust-brush. No. 893,271; July 14; Sp. p. 1787; Dr. p. 375; Gaz. vol. 135; p. 323.
- Snider, C. A., Hennessey, Okla. Chopper attachment for cultivators. No. 892,906; July 7; Sp. p. 1042; Dr. p. 173; Gaz. vol. 135; p. 172.
- Snider, O. J., Fredericktown, Mo. Fence-post base. No. 891,448; June 23; Sp. p. 4586; Dr. p. 996; Gaz. vol. 134; p. 1884.
- Snider, J. F., Unionville, N. C. Plow. No. 893,106; July 14; Sp. p. 1455; Dr. p. 307; Gaz. vol. 135; p. 268.
- Snitjer, E. N., Pittsburg, Pa. Furnace. No. 877,871; Jan. 28; Sp. p. 4432; Dr. p. 965; Gaz. vol. 132; p. 812.
- Snoddy, J. A., Seattle, Wash. Pipe-lining. No. 879,688; Feb. 18; Sp. p. 3704; Dr. p. 776; Gaz. vol. 132; p. 1508.
- Snodgrass, D. L., *et al.* (See Spence, S. D., assignor.)
- Snodgrass, H., Oklahoma, Okla. Electromagnetic brake. No. 880,249; Feb. 25; Sp. p. 4875; Dr. p. 1031; Gaz. vol. 132; p. 1727.
- Snook, F. G., Sacramento, Cal. Padlock. No. 877,676; Jan. 28; Sp. p. 4088; Dr. p. 855; Gaz. vol. 132; p. 751.
- Snook, F. G., Sacramento, Cal. Switch-stand. No. 877,747; Jan. 28; Sp. p. 4208; Dr. p. 912; Gaz. vol. 132; p. 773.
- Snow, A. E. (See Snow, P. E., assignor.)
- Snow, A. W., Duluth, Minn. Grading-machine. No. 888,665; May 26; Sp. p. 4701; Dr. pp. 1000-1; Gaz. vol. 134; p. 856.
- Snow, B. W., Syracuse, N. Y. Muffler. No. 895,697; Aug. 11; Sp. p. 1837; Dr. p. 391; Gaz. vol. 135; p. 1222.
- Snow, C., San Francisco, Cal. Automobile. No. 893,107; July 14; Sp. p. 1456; Dr. pp. 307-8; Gaz. vol. 135; p. 268.
- Snow, F. P., assignor to F. S. Livingston, Los Angeles, Cal. Hoist. No. 892,907; July 7; Sp. p. 1043; Dr. p. 219; Gaz. vol. 135; p. 173.
- Snow, F. W., Hillburn, and W. C. Kidd, Suffern, N. Y., assignors to Standard Equipment Company, Mahwah, N. J. Switch-stand. No. 881,969; Mar. 17; Sp. p. 2069; Dr. pp. 32-3; Gaz. vol. 133; p. 547.
- Snow, F. W., Hillburn, and W. C. Kidd, Suffern, N. Y., assignors to Standard Equipment Company, Mahwah, N. J. Switch-stand. No. 882,024; Mar. 17; Sp. p. 3098; Dr. p. 660; Gaz. vol. 133; p. 565.
- Snow, J. L. (See McKinney, L. P., assignor.)
- Snow, K. F., assignor to C. O. Bartlett & Snow Co., Cleveland, Ohio. Drier. No. 879,206; Feb. 18; Sp. p. 2697; Dr. p. 563; Gaz. vol. 132; p. 1350.
- Snow, K. F., assignor to C. O. Bartlett & Snow Co., Cleveland, Ohio. Drier. No. 884,771; Apr. 14; Sp. p. 2275; Dr. p. 479; Gaz. vol. 133; p. 1582.
- Snow, L. T., New Haven, Conn. Safety-razor. No. 881,730; Mar. 10; Sp. p. 2463; Dr. p. 530; Gaz. vol. 133; p. 439.
- Snow, L. T., New Haven, Conn. Safety-razor. No. 881,731; Mar. 10; Sp. p. 2465; Dr. p. 531; Gaz. vol. 133; p. 440.
- Snow, P. C., Swarthmore, assignor to Globe Ticket Company, Philadelphia, Pa. Holder for tickets, checks, &c. No. 879,015; Feb. 11; Sp. p. 2311; Dr. p. 463; Gaz. vol. 132; p. 1243.
- Snow, P. E., assignor to A. E. Snow, Denver, Colo. Plumber's and tinner's portable furnace. No. 890,189; June 9; Sp. p. 1999; Dr. p. 440; Gaz. vol. 134; p. 1408.
- Snow, W. E., Hyde Park, assignor to B. F. Sturtevant Company, Boston, Mass. Turbine. No. 891,874; June 30; Sp. p. 5483; Dr. p. 1185; Gaz. vol. 134; p. 2057.
- Snow, W. N., Snowville, N. H. Vehicle. No. 894,074; July 21; Sp. p. 3542; Dr. p. 726; Gaz. vol. 135; p. 617.
- Snowden, E. P., St. Joseph, Mo. Gas-producer. No. 887,860; May 19; Sp. p. 3106; Dr. p. 651; Gaz. vol. 134; p. 561.
- Snowden, E. P., St. Joseph, Mo. Making producer-gas. No. 887,861; May 19; Sp. p. 3110; Dr. p. 652; Gaz. vol. 134; p. 561.
- Snowdon, A. G., Westmount, Quebec, Canada. Can-opener. No. 889,980; June 9; Sp. p. 1560; Dr. p. 352; Gaz. vol. 134; p. 1337.
- Snowman, W. D., Ashland, Me. Mud-guard. No. 904,654; Nov. 24; Sp. p. 4357; Gaz. vol. 137; p. 791.
- Snyder, A. B., Grass Valley, assignor of three-fourths to E. A. Work and A. and F. A. Naake, Nevada City, Cal. Shingle-packing register. No. 908,162; Dec. 29; Sp. p. 6052; Gaz. vol. 137; p. 2096.
- Snyder, A. G., assignor to Wyckoff, Seamans & Benedict, Iion, N. Y. Combined telegraphic transmitter and type-writing machine. No. 904,157; Nov. 17; Sp. p. 3300; Gaz. vol. 137; p. 507.
- Snyder, B., Clinton, Wis. Elevated carrier. No. 891,875; June 30; Sp. p. 5485; Dr. pp. 1185-6; Gaz. vol. 134; p. 2057.
- Snyder, B., Clinton, Wis. Elevated carrier. No. 902,924; Nov. 3; Sp. p. 789; Gaz. vol. 137; p. 131.
- Snyder, C., Manayunk, Pa. Sanding apparatus for trolley-cars and the like. No. 890,310; June 9; Sp. p. 2272; Dr. p. 501; Gaz. vol. 134; p. 1448.
- Snyder, C. H., Percival, Iowa. Road-scraper. No. 889,822; June 2; Sp. p. 1229; Dr. p. 284; Gaz. vol. 134; p. 1259.
- Snyder, D., *et al.* (See Newnom, U. A., assignor.)
- Snyder, F. E., Massillon, Ohio. Drill. No. 902,008; Oct. 27; Sp. p. 4072; Dr. pp. 826-7; Gaz. vol. 136; p. 1800.
- Snyder, F. R., Oxford, Ohio. Post-card with folder. No. 903,514; Nov. 10; Sp. p. 1961; Gaz. vol. 137; p. 352.
- Snyder, F. S. (See Burt and Snyder.)
- Snyder, F. T., Oak Park, Ill. Furnace. No. 896,167; Aug. 18; Sp. p. 2750; Dr. p. 592; Gaz. vol. 135; p. 1394.
- Snyder, G. H., Kensington, Md., assignor of two-fifths to W. M. Hannay and L. J. Snyder, Washington, D. C. Egg-beater and cream-whipper. No. 903,515; Nov. 10; Sp. p. 1962; Gaz. vol. 137; p. 353.
- Snyder, H., Marion, S. D. Shaft. No. 906,465; Dec. 8; Sp. p. 2618; Gaz. vol. 137; p. 1451.
- Snyder, H. F., assignor to F. L. Maytag, Newton, Iowa. Automatic belt-guide. No. 889,342; June 2; Sp. p. 289; Dr. p. 69; Gaz. vol. 134; p. 1105.
- Snyder, H. F., and J. T. Hume, assignors to F. L. Maytag, Newton, Iowa. Speed-governor. No. 888,761; May 26; Sp. p. 4883; Dr. p. 1041-2; Gaz. vol. 134; p. 885.
- Snyder, H. F. B., Mosier, assignor of one-half to R. D. Gould, Hood River, Oreg. Spraying apparatus. No. 897,029; Aug. 25; Sp. p. 4560; Dr. p. 973; Gaz. vol. 135; p. 1701.
- Snyder, J. B., Columbus, Ohio. Sash-lock for windows. No. 887,135; May 12; Sp. p. 1581; Dr. p. 336; Gaz. vol. 134; p. 290.
- Snyder, J. G., Altoona, Pa. Metallic railway-tie. No. 894,403; July 28; Sp. p. 4251; Dr. p. 877; Gaz. vol. 135; p. 745.
- Snyder, J. G., Altoona, Pa. Metallic railway-tie. No. 894,404; July 28; Sp. p. 4252; Dr. p. 877; Gaz. vol. 135; p. 745.
- Snyder, J. G., Altoona, Pa. Metallic railway-tie. No. 894,405; July 28; Sp. p. 4254; Dr. p. 878; Gaz. vol. 135; p. 746.
- Snyder, J. J., Chicago, Ill. Hat. No. 889,981; June 9; Sp. p. 1561; Dr. p. 352; Gaz. vol. 134; p. 1338.
- Snyder, J. O., and F. O. Clawson, South San Francisco, Cal. Rotary vacuum-drier. No. 900,436; Oct. 6; Sp. p. 770; Dr. p. 159; Gaz. vol. 136; p. 1193.
- Snyder, L. B., Chattanooga, Tenn. Bedstead-fastening. No. 899,345; Sept. 22; Sp. p. 4154; Dr. p. 889; Gaz. vol. 136; p. 771.
- Snyder, L. B., and S. T. Heron, Chattanooga, Tenn. Metal bedstead. No. 897,671; Sept. 1; Sp. p. 873; Dr. p. 187; Gaz. vol. 136; p. 139.
- Snyder, L. J., *et al.* (See Snyder, G. H., assignor.)
- Snyder, M., Beatty, and A. Zuzak, Baggage, Pa. Safety-catch for cable-railways. No. 885,303; Apr. 21; Sp. p. 3363; Dr. p. 704; Gaz. vol. 133; p. 1785.
- Snyder, O. R., Knoxville, Tenn. Air-brake indicator. No. 904,568; Nov. 24; Sp. p. 4188; Gaz. vol. 137; p. 763.
- Snyder S., assignor to Sprout, Waldron & Company, Muncy, Pa. Feed apparatus for mills. No. 894,756; July 28; Sp. p. 4923; Dr. p. 1025; Gaz. vol. 135; p. 859.
- Snyder, S. M. (See Jones, W. L., assignor.)
- Snyder, T. M. (See Ewing and Snyder.)
- Snyder, W., and R. I. Miner, Montgomery, Mich. Piston. No. 889,732; June 2; Sp. p. 1063; Dr. p. 245; Gaz. vol. 134; p. 1230.
- Snyder, W. B., Wilkes-Barre, Pa. Curtain-pole. No. 885,540; Apr. 21; Sp. p. 3854; Dr. pp. 805-6; Gaz. vol. 133; p. 1860.
- Snyder, W. E., Nazareth, Pa. Cement-burning furnace. No. 876,602; Jan. 14; Sp. p. 1882; Dr. pp. 411-12; Gaz. vol. 132; p. 337.
- Snyder, W. E., Nazareth, Pa. Manufacture of cement. No. 897,938; Sept. 8; Sp. p. 1445; Dr. p. 309; Gaz. vol. 136; p. 253.
- Sobinski, C. O., St. Louis, Mo. Valve mechanism for pumps. No. 885,193; Apr. 21; Sp. p. 3141; Dr. p. 660; Gaz. vol. 133; p. 1748.
- Sochurek, L., Milwaukee, Wis. Shipping-case. No. 887,136; May 12; Sp. p. 1583; Dr. p. 336; Gaz. vol. 134; p. 291.
- Societa Anonima Cooperativa per la Stagionatura e l'Assaggiadelle Seta ed Affini. (See Sisley, E. P. L., assignor.)
- Società di Esportazione Polenghi Lombardo. (See Soncini, E., assignor.)
- Societa Fabbrica Italiana Automobili Di Torino. (See Enrico, G., assignor.)
- Società in Partecipazione per la Combustione Liquida. (See Molinari, E., assignor.)
- Société A. Darraçq & Cie. (1905). (See Darraçq, P. A., assignor.)
- Societe Anonym des Metiers Gabler. (See Gabler, J., assignor.)

Alphabetical list of patentees—Continued.

- Societe Anonyme Amylo. (See Boidin, A., assignor.)
 Société Anonyme d'Electricité et d'Automobiles Mors. (See Mors, E. L. P., assignor.)
 Société Anonyme de la Thyroline. (See Terrisse, H., assignor.)
 Société Anonyme des Automobiles Delaunay-Belleville. (See Delaunay-Belleville, L. M. G., assignor.)
 Société Anonyme des Automobiles Peugeot. (See Caillet, J., assignor.)
 Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny et Cirey. (See Delloye, L. H., assignor.)
 Société Anonyme Des Matieres Colorantes et Produits Chimiques. (See Poirrier, A. F., assignor.)
 Societe Anonyme des Usines A. E. Decouffe. (See Marchal, C. A., assignor.)
 Société Anonyme du Joxyl. (See Jozs, E., assignor.)
 Societe Anonyme "Itala" Fabbrica di Automobili. (See Balloco, A., assignor.)
 Société Anonyme L'Oxyhydrique Internationale. (See Jottrand, F., assignor.)
 Société Anonyme Métallurgique Procédés de Laval. (See Laval, C. G. P. de, assignor.)
 Societe Anonyme Periphote et Photorama. (See Hattu, A., assignor.)
 Société Arthur Cerf et Cie. (See Boulanger and Delaye, assignors.)
 Société de Constructions de Véhicules Automobiles. (See Valbreuze, R. de, assignor.)
 Société des Anciens Etablissements Gavioli & Cie. (See Yver, P., assignor.)
 Societe des Etablissements Singrün. (See Audiffren and Singrün, assignors.)
 Société dite: Les Produits Chimiques de Croissy. (See Grognot, L., assignor.)
 Société Electro Metallurgique Française. (See Héroult, P. L. T., assignor.)
 Société Loncle Frères. (See Loncle, M. C., assignor.)
 Society of Chemical Industry in Basle, Firm of. (See Engi, G., assignor.)
 Society of Chemical Industry in Basle. (See Engi and Fröhlich, assignors.)
 Society of Chemical Industry in Basle. (See Engi and Kraft, assignors.)
 Society of Chemical Industry in Basle, Firm of. (See Funcke, F., assignor.)
 Society of Chemical Industry in Basle. (See Grünbaum, M., assignor.)
 Society of Chemical Industry in Basle. (See Kraft and Engi, assignors.)
 Society of Chemical Industry in Basle. (See Mayer and Schaarschmidt, assignors.)
 Society of Chemical Industry in Basle, Firm of. (See Posternak, S., assignor.)
 Society of Chemical Industry in Basle. (See Schaarschmidt, A., assignor.)
 Society of Chemical Industry in Basle, Firm of. (See Zedlicka and Schedler, assignors.)
 Society Peignages & Filatures De Bourre De Soie. (See Doll, H., assignor.)
 Socin, C. J. B., Brooklyn, N. Y. Piano-action. No. 880,173; Feb. 25; Sp. p. 4713; Dr. p. 995; Gaz. vol. 132; p. 1700.
 Sodekon, N. S., Mineola, Tex. Riding attachment for cotton-choppers. No. 903,336; Nov. 10; Sp. p. 1602; Gaz. vol. 137; p. 293.
 Soderblom, H. G., Brooklyn, N. Y. Coal-scuttle. No. 885,094; Apr. 21; Sp. p. 2909; Dr. p. 617; Gaz. vol. 133; p. 1716.
 Soderling, A., Chicago, Ill. Friction-clutch. No. 887,537; May 12; Sp. p. 2465; Dr. p. 520; Gaz. vol. 134; p. 424.
 Söderlund, A., Arlington, and B. Hallenbrook, Boston, assignors of one-third to A. Smith, Arlington, Mass. Cigar-lighting apparatus. No. 875,743; Jan. 7; Sp. p. 127; Dr. p. 28; Gaz. vol. 132; p. 25.
 Soderlund, G. A., deceased, Somerville; M. P. Soderlund, administratrix, Medford, assignor to C. E. Bowers, Boston, Mass. Ball-cock. No. 906,832; Dec. 15; Sp. p. 3312; Gaz. vol. 137; p. 1593.
 Soderlund, M. P., administratrix. (See Soderlund, G. A.)
 Soennecken, Firm of F. (See Dörsing, F., assignor.)
 Soennecken, F. (See Magnus, E. C., assignor.)
 Sohl, N., New York, N. Y., assignor to W. R. Ostrander & Co. Binding-post. No. 892,319; June 30; Sp. p. 6338; Dr. p. 1365; Gaz. vol. 134; p. 2202.
 Sohn, E. A., and C. Gonder, assignors to Bedford Foundry & Machine Company, Bedford, Ind. Hoist. No. 906,951; Dec. 15; Sp. p. 3545; Gaz. vol. 137; p. 1631.
 Sohn, G. H., Lincoln, Cal. Third-rail attachment for electric cars. No. 889,266; June 2; Sp. p. 148; Dr. p. 35; Gaz. vol. 134; p. 1082.
 Sohn, H. B., and F. C. Miller, Allegheny, Pa. Wrench. No. 886,084; Apr. 28; Sp. p. 4976; Dr. p. 1047; Gaz. vol. 133; p. 2067.
 Sohni, O., and H. Mehl, Buffalo, N. Y. Seal-padlock. No. 902,456; Oct. 27; Sp. p. 5008; Dr. p. 1012; Gaz. vol. 136; p. 1945.
 Söhnlein, H., Wiesbaden, Germany. Gas-engine. No. 905,598; Dec. 1; Sp. p. 976; Gaz. vol. 137; p. 1139.
 Sokal, E., Chicago, Ill. Negative-pole accumulator-electrode. No. 905,599; Dec. 1; Sp. p. 978; Gaz. vol. 137; p. 1140.
 Solbeck, C. F. (See Christensen and Solbeck.)
 Sole, J. W. F., and A. F. Farley, Guelph, Ontario, and J. F. Mackle, Westmont, Quebec, Canada. Railway-car coupling. No. 902,616; Nov. 3; Sp. p. 171; Gaz. vol. 137; p. 29.
 Solemslie, C., Seattle, Wash. Miter-box. No. 888,430; May 19; Sp. p. 4207; Dr. p. 892; Gaz. vol. 134; p. 745.
 Soley, F., assignor to Miller Lock Company, Philadelphia, Pa. Combination-lock. No. 897,228; Aug. 25; Sp. p. 4959; Dr. p. 1053; Gaz. vol. 135; p. 1765.
 Soley, F., assignor to Miller Lock Company, Philadelphia, Pa. Padlock-shackle. No. 899,268; Sept. 22; Sp. p. 4029; Dr. p. 860; Gaz. vol. 136; p. 747.
 Soley, F., assignor to Miller Lock Company, Philadelphia, Pa. Combination latch-lock. No. 900,437; Oct. 6; Sp. p. 771; Dr. p. 159; Gaz. vol. 136; p. 1194.
 Soley, F., assignor to Miller Lock Company, Philadelphia, Pa. Combination-lock. No. 900,438; Oct. 6; Sp. p. 773; Dr. pp. 159-60; Gaz. vol. 136; p. 1194.
 Sollis, R. T., Brockton, Mass. Mirror. No. 907,420; Dec. 22; Sp. p. 4485; Gaz. vol. 137; p. 1822.
 Sollitt, R. T., Chicago, Ill. Concrete-mixing machine. No. 883,983; Apr. 7; Sp. p. 638; Dr. pp. 127-9; Gaz. vol. 133; p. 1294.
 Solomson, M., Baltimore, Md. Window-screen. No. 875,961; Jan. 7; Sp. p. 533; Dr. p. 114; Gaz. vol. 132; p. 94.
 Solomon, A., Buffalo, N. Y. Sad-iron waxer, polisher, and holder. No. 883,250; Mar. 31; Sp. p. 5504; Dr. pp. 1173-4; Gaz. vol. 133; p. 1029.
 Solomon, S. D., Syracuse, N. Y. Megaphone-holder for phonograph-cabinets. No. 898,520; Sept. 15; Sp. p. 2584; Dr. p. 552; Gaz. vol. 136; p. 477.
 Solomon, W. T., assignor to R. C. Hall, Pittsburg, Pa. Producing gas from alcohol. No. 885,095; Apr. 21; Sp. p. 2910; Dr. p. 617; Gaz. vol. 133; p. 1716.
 Solomon, W. T., assignor to R. C. Hall, Pittsburg, Pa. Compound to be used in the manufacture of gas. No. 885,096; Apr. 21; Sp. p. 2911; Gaz. vol. 133; p. 1716.
 Soltész, C., New York, N. Y. Cultivating-machine. No. 899,917; Sept. 29; Sp. p. 5316; Dr. pp. 1136-7; Gaz. vol. 136; p. 992.
 Soltmann, E. G. (See Mayer, A. R., assignor.)
 Soltmann, E. G. (See Nowalk, R. F., assignor.)
 Soltmann, E. G. (See Thomas, R. R., assignor.)
 Solvay Process Company. (See Trump, E. N., assignor.)
 Somborn, H., assignor to Henry Zimmern & Co., Incorporated, New York, N. Y. Cabinet-drawer. No. 907,905; Dec. 29; Sp. p. 5516; Gaz. vol. 137; p. 2010.
 Somers, E. X., St. Johnsbury, Vt. Coin-controlled operating mechanism for vending apparatus. No. 900,224; Oct. 6; Sp. p. 311; Dr. pp. 63-4; Gaz. vol. 136; p. 1123.
 Somers, M. J., assignor to South Bend Foundry Co., South Bend, Ind. Producing chilled castings. No. 882,720; Mar. 24; Sp. p. 4433; Dr. p. 942; Gaz. vol. 133; p. 825.
 Somers, W. H., London, England. Paper box and like article. No. 893,946; July 21; Sp. p. 3259; Dr. p. 671; Gaz. vol. 135; p. 573.
 Somerville, G., Denver, Colo. Resonant box of string instruments. No. 881,206; Mar. 10; Sp. p. 1414; Dr. p. 305; Gaz. vol. 133; p. 270.
 Somerville, G. W., Sawtelle, assignor of one-half to B. Schultheiss, Los Angeles, Cal. Automatic mail-bag ejector and receiver. No. 889,343; June 2; Sp. p. 291; Dr. p. 69; Gaz. vol. 134; p. 1105.
 Sommer, A., Cambridge, Mass. Display-box. No. 880,590; Mar. 3; Sp. p. 204; Dr. p. 44; Gaz. vol. 133; p. 37.
 Sommer, A., Cambridge, Mass. Cardboard box or carton. No. 887,352; May 12; Sp. p. 2073; Dr. p. 435; Gaz. vol. 134; p. 364.
 Sommer, F. F., Kalona, Iowa. Hay-elevator. No. 885,541; Apr. 21; Sp. p. 3856; Dr. p. 806; Gaz. vol. 133; p. 1860.
 Sommer, J. W. (See Sommer, P. W., J. W., and W.)
 Sommer, P. W., J. W., and W., Peoria, Ill. Wire-fence machine. No. 875,859; Jan. 7; Sp. p. 336; Dr. pp. 74-5; Gaz. vol. 132; p. 62.
 Sommer, W. (See Sommer, P. W., J. W., and W.)
 Sommers, C. E., Hastings, Minn. Folding crate or box. No. 883,251; Mar. 31; Sp. p. 5506; Dr. p. 1174; Gaz. vol. 133; p. 1029.
 Sommers, G., Minneapolis, Minn. Vehicle-wheel. No. 900,891; Oct. 13; Sp. p. 1748; Dr. pp. 353-4; Gaz. vol. 136; p. 1368.
 Soncini, E., assignor of one-half to Società di Esportazione Polenghi Lombardo, Milan, Italy. Preparation of casein. No. 905,943; Dec. 8; Sp. p. 1640; Gaz. vol. 137; p. 1283.
 Sondheim, L. H., New York, N. Y. Water-storage system for use in extinguishing fires. No. 906,320; Dec. 8; Sp. p. 2366; Gaz. vol. 137; p. 1406.
 Sone, I. K., executrix. (See Sone, L. V.)
 Sone, L. K., New York, N. Y. Tie-holder. No. 888,360; May 19; Sp. p. 4050; Dr. p. 854; Gaz. vol. 134; p. 721.

Alphabetical list of patentees—Continued.

- Sone, L. K., New York, N. Y. Traveling cooking utensil. No. 900,321; Oct. 6; Sp. p. 532; Dr. pp. 110-11; Gaz. vol. 136; p. 1155.
- Sone, L. K., New York, N. Y. Collapsible frame or support. No. 900,322; Oct. 6; Sp. p. 535; Dr. p. 111; Gaz. vol. 136; p. 1156.
- Sone, L. V., deceased, White Plains, N. Y.; I. K. Sone, executrix. Still. No. 877,605; Jan. 28; Sp. p. 3947; Dr. p. 853; Gaz. vol. 132; p. 723.
- Sone, L. V., deceased, New York, N. Y.; I. K. Sone, executrix. Still. No. 877,606; Jan. 28; Sp. p. 3950; Dr. p. 854; Gaz. vol. 132; p. 729.
- Sonn, L., New York, N. Y. Reel for ruchings, &c. No. 882,431; Mar. 17; Sp. p. 3850; Dr. p. 822; Gaz. vol. 133; p. 696.
- Sonneborn, C., West Pittsburg, Pa. Bolt-pointing machine. No. 905,600; Dec. 1; Sp. p. 980; Gaz. vol. 137; p. 1140.
- Sonneborn, S. S., New York, N. Y. Telephone set. No. 898,796; Sept. 15; Sp. p. 3110; Dr. p. 666; Gaz. vol. 136; p. 565.
- Sonnenberg, H., Brooklyn, N. Y. Molding-machine. No. 884,228; Apr. 7; Sp. p. 1152; Dr. pp. 242-3; Gaz. vol. 133; p. 1374.
- Sonnenfeld, F., and R. Fisher, New York, N. Y. Bottle. No. 908,163; Dec. 29; Sp. p. 6053; Gaz. vol. 137; p. 2097.
- Sonnenthal, G. (See Elsner, J., assignor.)
- Sonora Chime Co. (See Haschke, W. H., assignor.)
- Soper, C. H., Canton, Ill. Hub-attaching device. No. 899,346; Sept. 22; Sp. p. 4154; Dr. p. 889; Gaz. vol. 136; p. 771.
- Soper, W. J., *et al.* (See Berens, S., assignor.)
- Sopp, J., Georgetown, assignor of one-fourth to R. R. Wheeler, Silver Plume, Colo. Drill-steel sharpener. No. 888,361; May 19; Sp. p. 4052; Dr. pp. 854-5; Gaz. vol. 134; p. 721.
- Soraghan, E., St. Louis, Mo. Garment-hanger support. No. 895,905; Aug. 11; Sp. p. 2252; Dr. p. 481; Gaz. vol. 135; p. 1289.
- Sorensen, C. M., Greenpoint, N. Y. Clamp. No. 884,772; Apr. 14; Sp. p. 2277; Dr. p. 479; Gaz. vol. 133; p. 1582.
- Sorensen, C. M., Brooklyn, assignor to Vidal Typewriter Company, New York, N. Y. Type-writer-carriage control. No. 880,174; Feb. 25; Sp. p. 4714; Dr. p. 995; Gaz. vol. 132; p. 1761.
- Sorensen, C. M., Brooklyn, assignor to Vidal Typewriter Company, New York, N. Y. Type-writer liner. No. 881,631; Mar. 10; Sp. p. 2277; Dr. p. 494; Gaz. vol. 133; p. 409.
- Sorensen, C. M., Brooklyn, assignor to Vidal Typewriter Company, New York, N. Y. Type-writer. No. 888,856; May 26; Sp. p. 5107; Dr. p. 1088; Gaz. vol. 134; p. 916.
- Sorensen, P., Brooklyn, N. Y. Lamp-guard. No. 900,439; Oct. 6; Sp. p. 176; Dr. p. 160; Gaz. vol. 136; p. 1195.
- Sørensen, T. C., Copenhagen, Denmark. Washing-machine. No. 899,918; Sept. 29; Sp. p. 5319; Dr. p. 1137; Gaz. vol. 136; p. 993.
- Sorge, A., Jr., Chicago, Ill. Water-purifying apparatus. No. 902,847; Nov. 3; Sp. p. 638; Gaz. vol. 137; p. 107.
- Sorger, C., Frankfurt-on-the-Main, Germany. Manufacture of salicylic acid glycerin esters. No. 882,590; Mar. 24; Sp. p. 4170; Gaz. vol. 133; p. 782.
- Sorgeliner, A., Millvale, Pa. Musical instrument. No. 892,908; July 7; Sp. p. 1046; Dr. pp. 219-20; Gaz. vol. 135; p. 173.
- Sorko, A., and E. Renci, Johnstown, Pa. Rail-joint. No. 905,475; Dec. 1; Sp. p. 737; Gaz. vol. 137; p. 1102.
- Sorteberg, G., Rosalia, Wash. Dirt-derrick. No. 886,657; May 5; Sp. p. 628; Dr. p. 131; Gaz. vol. 134; p. 108.
- Sosa, F. R., Buenos Ayres, Argentina. Harrow. No. 898,695; Sept. 15; Sp. p. 2932; Dr. pp. 627-8; Gaz. vol. 136; p. 533.
- Soss, J., New York, N. Y. Hinge. No. 880,697; Mar. 3; Sp. p. 405; Dr. pp. 87-8; Gaz. vol. 133; p. 73.
- Soss, J., New York, N. Y. Door-check. No. 882,721; Mar. 24; Sp. p. 4434; Dr. p. 943; Gaz. vol. 133; p. 825.
- Soss, J., New York, N. Y. Interlocking brick. No. 903,906; Nov. 17; Sp. p. 2787; Gaz. vol. 137; p. 512.
- Soss, J., New York, N. Y. Building brick or block. No. 903,907; Nov. 17; Sp. p. 2788; Gaz. vol. 137; p. 512.
- Soss, J., New York, N. Y. Machine for molding building-blocks. No. 903,908; Nov. 17; Sp. p. 2789; Gaz. vol. 137; p. 512.
- Sotherland, R. H., Jr. (See Geiger, Ecard, and Sotherland.)
- Souder, J., Philadelphia, Pa. Self-inclosing bill-head or statement. No. 876,743; Jan. 14; Sp. p. 2162; Dr. p. 475; Gaz. vol. 132; p. 383.
- Souder, J. J., Washington, D. C. Device for securing split bolts. No. 875,570; Feb. 11; Sp. p. 1447; Dr. p. 295; Gaz. vol. 132; p. 1106.
- Soule, G. F. (See Phillips, G. H., assignor.)
- Soule, H. C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil-support for electric transformers. No. 885,800; Apr. 28; Sp. p. 4397; Dr. p. 920; Gaz. vol. 133; p. 1973.
- Soule, I. C. (See Caven, T. M., assignor.)
- Soules, E. A., Sturgis, Mich. Sandpapering-machine. No. 890,463; June 9; Sp. p. 2539; Dr. pp. 561-2; Gaz. vol. 134; p. 1495.
- Sourek, J. S., Bath township, Summit county, Ohio. Buckle. No. 877,958; Feb. 4; Sp. p. 123; Dr. p. 28; Gaz. vol. 132; p. 870.
- South Bend Foundry Co. (See Somers, M. J., assignor.)
- Southard, C. H., *et al.* (See Horsman, E. I., Jr., assignor.)
- Southard, G. F., San Francisco, Cal. Sanitary cigar-rest. No. 905,944; Dec. 8; Sp. p. 1640; Gaz. vol. 137; p. 1283.
- Southerden, J. S., Brisbane, Queensland, Australia. Line-spacer for type-writing machines. No. 886,432; May 5; Sp. p. 183; Dr. p. 39; Gaz. vol. 134; p. 35.
- Southerden, J. S., Brisbane, Queensland, Australia. Line-spacer for type-writing machines. No. 886,433; May 5; Sp. p. 184; Dr. p. 40; Gaz. vol. 134; p. 35.
- Southern Furniture Company. (See Prentiss, C. W., assignor.)
- Southern Novelty Company. (See Smith, W. F., assignor.)
- Southern Plow Co. (See Baker, A. L. and R. L., assignors.)
- Southern Stemming Machine and Manufacturing Company. (See Morris, J. O., assignor.)
- Southgate, L. W., Worcester, Mass., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Printing-press. No. 890,720; June 16; Sp. p. 3104; Dr. p. 681; Gaz. vol. 134; p. 1613.
- Southgate Machinery Co. (See Upham, B. F., assignor.)
- Southgate, W. C., Dunedin, New Zealand. Machine for tarring and sanding the surface of streets. No. 894,859; Aug. 4; Sp. p. 110; Dr. p. 24; Gaz. vol. 135; p. 919.
- Southmayd, A. L., Middletown, Conn. Stretcher. No. 879,335; Feb. 18; Sp. p. 2945; Dr. p. 614; Gaz. vol. 132; p. 1394.
- Southward, D. H., assignor of one-half to M. J. King, Pittsburg, Pa. Attachment for levels. No. 886,333; Apr. 28; Sp. p. 5488; Dr. p. 1148; Gaz. vol. 133; p. 2151.
- Southward Foundry and Machine Company. (See Petsche, G. B., assignor.)
- Southwell, J. A., Wyoming, Pa. Non-refillable bottle. No. 877,677; Jan. 28; Sp. p. 4090; Dr. p. 885; Gaz. vol. 132; p. 752.
- Southwell, J. A., Wyoming, Pa. Shovel. No. 902,261; Oct. 27; Sp. p. 4574; Dr. p. 928; Gaz. vol. 136; p. 1879.
- Southwick, E. L. (See Wilson and Southwick.)
- Southwick, I. M. (See Wilson and Southwick.)
- Southworth, C. F., Cambridge, Mass. Electric-light-bulb changer. No. 898,696; Sept. 15; Sp. p. 2933; Dr. p. 628; Gaz. vol. 136; p. 533.
- Southworth, F. B., Klamath Falls, Ore. Mail-bag catcher. No. 891,382; June 23; Sp. p. 4457; Dr. pp. 970-1; Gaz. vol. 134; p. 1862.
- Souvielle, M., Paris, France. Disinfectant. No. 887,707; May 12; Sp. p. 2771; Gaz. vol. 134; p. 480.
- Sower, J. D., Elmo, Kans. Vehicle-tire. No. 907,191; Dec. 22; Sp. p. 4021; Gaz. vol. 137; p. 1743.
- Spacie, T., Chicago, Ill. Combined roller and ice skate. No. 876,245; Jan. 7; Sp. p. 1083; Dr. p. 237; Gaz. vol. 132; p. 184.
- Spackman, H. S., Ardmore, and E. W. Lazell, assignors to Henry S. Spackman Engineering Company, Philadelphia, Pa. Plastic composition. No. 903,017; Nov. 3; Sp. p. 976; Gaz. vol. 137; p. 162.
- Spackman, H. S., Ardmore, and E. W. Lazell, assignors to Henry S. Spackman Engineering Company, Philadelphia, Pa. Cementitious material and preparation thereof. No. 903,018; Nov. 3; Sp. p. 978; Gaz. vol. 137; p. 162.
- Spackman, H. S., Ardmore, and E. W. Lazell, assignors to Henry S. Spackman Engineering Company, Philadelphia, Pa. Cementitious material. No. 903,019; Nov. 3; Sp. p. 980; Gaz. vol. 137; p. 162.
- Spackman, H. S., Ardmore, and E. W. Lazell, assignors to Henry S. Spackman Engineering Company, Philadelphia, Pa. Cementitious material. No. 903,020; Nov. 3; Sp. p. 986; Gaz. vol. 137; p. 162.
- Spade, H. O. (See Goff and Spade.)
- Spafford, E. H., Oak Park, Ill. Shears-sharpener. No. 899,140; Sept. 22; Sp. p. 3744; Dr. p. 802; Gaz. vol. 136; p. 705.
- Spafford, W. E., Toronto, Ontario, Canada. Horseshoe. No. 899,631; Sept. 29; Sp. p. 4740; Dr. p. 1015; Gaz. vol. 136; p. 900.
- Spain, S., Benson Mines, N. Y. Traveling rocking-horse. No. 893,108; July 14; Sp. p. 1459; Dr. p. 308; Gaz. vol. 135; p. 268.
- Spalckhaver, W., assignor to R. Hoe, New York, N. Y. Cutting mechanism for printing-machines. No. 877,010; Jan. 21; Sp. p. 2731; Dr. p. 591; Gaz. vol. 132; p. 512.
- Spalding, C. E., Madison, Wis. Voting-machine. No. 906,826; Dec. 15; Sp. p. 3298; Gaz. vol. 137; p. 1591.
- Spalding, F., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Automatic center-punch. No. 889,409; June 2; Sp. p. 439; Dr. p. 104; Gaz. vol. 134; p. 1128.
- Spalding, G. M., St. Louis, Mo. Railway-switch-operating device. No. 901,750; Oct. 20; Sp. p. 3548; Dr. p. 718; Gaz. vol. 136; p. 1686.
- Spamer, R. F., Chicago, Ill., assignor to Consolidated Fire Alarm Company, New York, N. Y. Valve alarm attachment. No. 896,864; Aug. 25; Sp. p. 4180; Dr. pp. 895-6; Gaz. vol. 135; p. 1645.
- Spang & Company. (See Spang, G. A., assignor.)
- Spang, G. A., assignor to Spang & Company, Butler, Pa. Anchor mechanism for well-packers. No. 900,440; Oct. 6; Sp. p. 778; Dr. p. 160; Gaz. vol. 136; p. 1195.
- Spang, H. W., New York, assignor, by mesne assignments, to C. H. Ketcham, Yonkers, N. Y. Electric apparatus for railway signaling. No. 878,249; Feb. 4; Sp. p. 732; Dr. p. 148; Gaz. vol. 132; p. 966.
- Spangenberg, J., Gilman, Iowa. Halter. No. 887,862; May 19; Sp. p. 3113; Dr. p. 653; Gaz. vol. 134; p. 562.
- Spangler, A. B., New Orleans, La. Match-box. No. 893,394; July 14; Sp. p. 2007; Dr. p. 421; Gaz. vol. 135; p. 362.

Alphabetical list of patentees—Continued.

- Spangler, E. W. (See Brothers, W., assignor.)
- Spangler, J. M., Canton, Ohio. Carpet sweeper and cleaner. No. 889,823; June 2; Sp. p. 1231; Dr. p. 235; Gaz. vol. 134; p. 1259.
- Spangler, M. F., *et al.*, executors. (See Brothers, W.)
- Spangler, W. F., Greenfield, Ind. Air-lift pump. No. 898,015; Sept. 8; Sp. p. 1602; Dr. p. 342; Gaz. vol. 136; p. 283.
- Spanick, N., Loyalhanna, Pa. Folding umbrella. No. 886,885; May 5; Sp. p. 1108; Dr. p. 232; Gaz. vol. 134; p. 181.
- Spannagel, G., Lima, Ohio. Bung-extractor. No. 893,029; July 14; Sp. p. 1310; Dr. p. 275; Gaz. vol. 135; p. 243.
- Sparks, C. F., Alton, Ill., assignor to Riegel Sack Company, Jersey City, N. J. Cloth printing and cutting machine. No. 878,681; Feb. 11; Sp. p. 1680; Dr. pp. 346-7; Gaz. vol. 132; p. 1143.
- Sparks, C. W., Cherryvale, assignor of one-half to J. W. Sparks, Thayer, Kans. Corn-planter. No. 883,151; Mar. 24; Sp. p. 5287; Dr. pp. 1127-8; Gaz. vol. 133; p. 966.
- Sparks, H. O., Shelbina, Mo. Loading or unloading means. No. 900,225; Oct. 6; Sp. p. 314; Dr. p. 64; Gaz. vol. 136; p. 1124.
- Sparks, H. O., Shelbina, Mo. Vehicle-unloading mechanism. No. 900,606; Oct. 6; Sp. p. 1146; Dr. p. 234; Gaz. vol. 136; p. 1249.
- Sparks, I., La Fayette, Ind. Car-coupling. No. 888,431; May 19; Sp. p. 4210; Dr. pp. 892-3; Gaz. vol. 134; p. 746.
- Sparks, I., La Fayette, Ind. Car-coupling. No. 906,466; Dec. 8; Sp. p. 2619; Gaz. vol. 137; p. 1451.
- Speaks, J., Stella, Mo. Safety-stirrup. No. 907,535; Dec. 22; Sp. p. 4705; Gaz. vol. 137; p. 1860.
- Sparks, J. E., Only, Tenn. Combination-tool. No. 884,229; Apr. 7; Sp. p. 1154; Dr. p. 243; Gaz. vol. 133; p. 1374.
- Sparks, J. W. (See Sparks, C. W., assignor.)
- Sparks, J. W., Sabina, Ohio. Burial-vault. No. 892,458; July 7; Sp. p. 133; Dr. p. 29; Gaz. vol. 135; p. 27.
- Sparks, J. W., Sabina, Ohio. Locking-closure for burial-vaults. No. 892,909; July 7; Sp. p. 1049; Dr. p. 220; Gaz. vol. 135; p. 173.
- Sparks, J. W., and C. J. Allen, Sabina, Ohio. Automatic railway-switch. No. 883,358; Mar. 31; Sp. p. 5713; Dr. pp. 1219-20; Gaz. vol. 133; p. 1063.
- Sparks, L., administrator. (See Perky, H. D.)
- Sparks, O. F., assignor to Sargent & Company, New Haven, Conn. Face-plate for locks. No. 891,449; June 23; Sp. p. 4586; Dr. p. 997; Gaz. vol. 134; p. 1884.
- Sparks, R. J., Browning, Mo. Swinging hay-stacker. No. 882,214; Mar. 17; Sp. p. 3452; Dr. pp. 734-5; Gaz. vol. 133; p. 624.
- Sparks, R. R., Greenfield, Mass. Insulator-protector. No. 902,262; Oct. 27; Sp. p. 4575; Dr. p. 929; Gaz. vol. 136; p. 1880.
- Sparks, T. H., Wichita, Kans. Signaling apparatus for mail-boxes. No. 875,860; Jan. 7; Sp. p. 340; Dr. p. 76; Gaz. vol. 132; p. 63.
- Sparks, W., assignor to George A. McKeel & Company, Limited, Jackson, Mich. Ball-bearing wheel. No. 890,721; June 16; Sp. p. 3107; Dr. p. 681; Gaz. vol. 134; p. 1614.
- Sparks, W. A., St. Marys, W. Va. Hoe. No. 898,521; Sept. 15; Sp. p. 2586; Dr. p. 552; Gaz. vol. 136; p. 477.
- Sparks, W. E., assignor to Sargent & Company, New Haven, Conn. Latch. No. 888,268; May 19; Sp. p. 3872; Dr. p. 815; Gaz. vol. 134; p. 693.
- Sparling, A. H., Aligarh, India. Lock. No. 885,964; Apr. 28; Sp. p. 4743; Dr. p. 996; Gaz. vol. 133; p. 2030.
- Sparling, S., Hammond, Ind. Production of potash. No. 896,168; Aug. 18; Sp. p. 2753; Gaz. vol. 135; p. 1394.
- Spaulding, B. R., Buffalo, assignor of one-half to S. E. Spaulding, Springville, N. Y. Bit-brace wrench. No. 897,857; Sept. 1; Sp. p. 1261; Dr. p. 270; Gaz. vol. 136; p. 198.
- Spaulding, C. F., Tarrytown, N. Y. Paper-coating machine. No. 883,359; Mar. 31; Sp. p. 5719; Dr. p. 1220; Gaz. vol. 133; p. 1063.
- Spaulding, E. N. and R. E., Suffield, Conn. Steel girder-frame for reinforced-concrete girders. No. 887,863; May 19; Sp. p. 3114; Dr. p. 653; Gaz. vol. 134; p. 562.
- Spaulding, H. W. (See Rhout, J. A., assignor.)
- Spaulding, J. T., Port Byron, N. Y. Railway-tie. No. 901,845; Oct. 20; Sp. p. 3721; Dr. p. 756; Gaz. vol. 136; p. 1715.
- Spaulding, R. E. (See Spaulding, E. N. and R. E.)
- Spaulding, S. E. (See Spaulding, B. R., assignor.)
- Spear, E., *et al.*, trustees. (See Cahill, T., assignor.)
- Spear, L. Y., Quincy, Mass. Torpedo-expulsion tube. No. 888,544; May 26; Sp. p. 4443; Dr. pp. 940-1; Gaz. vol. 134; p. 814.
- Spear, L. Y., Quincy, Mass., assignor to Electric Boat Company, New York, N. Y. Twin-screw submarine boat. No. 878,752; Feb. 11; Sp. p. 1817; Dr. p. 376; Gaz. vol. 132; p. 1166.
- Spear, L. Y., and F. T. Cable, Quincy, Mass. Submarine jacket. No. 894,757; July 28; Sp. p. 4926; Dr. pp. 1025-6; Gaz. vol. 135; p. 859.
- Spear, W. F., and E. W. Tavel, Selma, Ala. Cotton-picker. No. 891,962; June 30; Sp. p. 5675; Dr. p. 1222; Gaz. vol. 134; p. 2087.
- Spears, M. E., Merryville, La. Drilling-machine. No. 892,459; July 7; Sp. p. 137; Dr. p. 29; Gaz. vol. 135; p. 27.
- Specht, H. M., Skaneateles, N. Y. Vehicle-wheel. No. 907,906; Dec. 29; Sp. p. 5517; Gaz. vol. 137; p. 2011.
- Specker, K. (See Müller and Specker.)
- Special Products Company. (See Cambier, Tixier, and Adnet, assignors.)
- Spedden, E. M. (See Spedden, H. T. and E. M.)
- Spedden, H. T. and E. M., Chewelah, Wash. Floor-jack. No. 896,477; Aug. 18; Sp. p. 3386; Dr. p. 729; Gaz. vol. 135; p. 1497.
- Spedding, E. H., Lowell, Mass. Loom-temple. No. 902,925; Nov. 3; Sp. p. 792; Gaz. vol. 137; p. 131.
- Speece, E. H., Beatty, Nev. Bottle-stopper. No. 891,109; June 16; Sp. p. 3881; Dr. p. 849; Gaz. vol. 134; p. 1740.
- Speed Changing Pulley Company. (See Heitger, F. H., assignor.)
- Speed, J. A., assignor to Speed Manufacturing Company, Los Angeles, Cal. Rapid-fire carbureter. No. 886,265; Apr. 28; Sp. p. 5311; Dr. p. 1118; Gaz. vol. 133; p. 2127.
- Speed Manufacturing Company. (See Speed, J. A., assignor.)
- Speer, B. C., North Adams, Mich. Hay-rack standard. No. 886,549; May 5; Sp. p. 406; Dr. p. 86; Gaz. vol. 134; p. 75.
- Speer, D. F., Denver, Colo. Automatic means for ventilating buildings. No. 902,509; Oct. 27; Sp. p. 5137; Dr. p. 1040; Gaz. vol. 136; p. 1964.
- Speer, J. R., and J. R. Taylor, Pittsburg, Pa. Apparatus for and method of manufacturing wire-glass. No. 906,952; Dec. 15; Sp. p. 3547; Gaz. vol. 137; p. 1631.
- Speer, R. G., assignor to W. G. Milford and S. B. Speer, St. Louis, Mo. Furnace attachment. No. 895,054; Aug. 4; Sp. p. 558; Dr. p. 115; Gaz. vol. 135; p. 986.
- Speer, S. B., *et al.* (See Speer, R. G., assignor.)
- Speice, C. F., Findlay, Ohio. Velocipede. No. 888,666; May 26; Sp. p. 4708; Dr. p. 1001; Gaz. vol. 134; p. 856.
- Speice, W. I. (See McFarland, G. B., assignor.)
- Speidel, A., Pforzheim, Germany. Linked chain. No. 896,865; Aug. 25; Sp. p. 4182; Dr. p. 896; Gaz. vol. 135; p. 1646.
- Speirs, C. W., Battersea, assignor to Morgan Crucible Company, Limited, London, England. Pneumatic holder for commutator-brushes. No. 884,049; Apr. 7; Sp. p. 768; Dr. p. 160; Gaz. vol. 133; p. 1315.
- Speirs, P., Tullamarine, Victoria, Australia. Plow-disk and the like. No. 882,353; Mar. 17; Sp. p. 3730; Dr. p. 793; Gaz. vol. 133; p. 672.
- Speller, F. N., Pittsburg, Pa. Reducing the corrosive action of water. No. 900,323; Oct. 6; Sp. p. 538; Dr. p. 111; Gaz. vol. 136; p. 1156.
- Spellman, H. W. (See Garrigus and Spellman.)
- Spence, G. W., Tully, N. Y. Trap-nest. No. 881,732; Mar. 10; Sp. p. 2467; Dr. p. 531; Gaz. vol. 133; p. 440.
- Spence, S. D., Chattanooga, Tenn., assignor of one-half to L. Shepherd and D. L. Snodgrass. Electric-arc furnace. No. 880,338; Feb. 25; Sp. p. 5038; Dr. pp. 1063-4; Gaz. vol. 132; p. 1755.
- Spencer, A., London, England. Antiriftion mechanism for railway-wagons and other vehicles. No. 885,801; Apr. 28; Sp. p. 4398; Dr. p. 921; Gaz. vol. 133; p. 1973.
- Spencer, A. G., Rahway, N. J. Four-cycle motor. No. 889,267; June 2; Sp. p. 148; Dr. p. 36; Gaz. vol. 134; p. 1082.
- Spencer, A. T., and E. C. Wykes, Leicester, England. Box-making machine. No. 876,106; Jan. 7; Sp. p. 821; Dr. pp. 176-7; Gaz. vol. 132; p. 140.
- Spencer, B. M., *et al.* (See Weber, A. W. H., assignor.)
- Spencer, G., Medford, assignor to Crosby Steam Gage and Valve Company, Boston, Mass. Pressure-recorder. No. 897,311; Sept. 1; Sp. p. 77; Dr. p. 19; Gaz. vol. 136; p. 17.
- Spencer, G., Medford, assignor to Crosby Steam Gage and Valve Company, Boston, Mass. Pressure-gage. No. 898,148; Sept. 8; Sp. p. 1869; Dr. p. 399; Gaz. vol. 136; p. 325.
- Spencer, G. A. (See Spitz and Spencer.)
- Spencer, G. M., St. Louis, Mo. Fluid-pressure brake system. No. 877,959; Feb. 4; Sp. p. 125; Dr. p. 28; Gaz. vol. 132; p. 870.
- Spencer, G. M., St. Louis, Mo. Automatic governing device. No. 878,571; Feb. 11; Sp. p. 1449; Dr. p. 295; Gaz. vol. 132; p. 1106.
- Spencer, G. W., assignor of one-half to H. J. Shill, Jr., Atlantic City, N. J. Bushing. No. 889,055; May 26; Sp. p. 5492; Dr. p. 1168; Gaz. vol. 134; p. 982.
- Spencer, H. A. W., New York, N. Y. Temporary closure device for water-closet bowls, &c. No. 906,077; Dec. 8; Sp. p. 1892; Gaz. vol. 137; p. 1324.
- Spencer, H. E., *et al.* (See Sumner, W. A., assignor.) (Reissue.)
- Spencer, I. H., assignor to Organ Power Company, Hartford, Conn. Blower. No. 893,756; July 21; Sp. p. 2879; Dr. p. 792; Gaz. vol. 135; p. 511.
- Spencer, J. A., *et al.* (See Gerstenhauer, A., assignor.)
- Spencer, J. M., *et al.* (See Weber, A. W. H., assignor.)
- Spencer, J. W. (See Wolters, W. E., assignor.)

Alphabetical list of patentees—Continued.

- Spencer Lens Company. (See Dukelow, P. J., assignor.)
- Spencer, R. C., Jr., River Forest, Ill. Shutter-operator. No. 886,658; May 5; Sp. p. 630; Dr. p. 131; Gaz. vol. 134; p. 109.
- Spencer, S. E., Springfield, N. Y. Air-pump. No. 888,762; May 26; Sp. p. 4891; Dr. p. 1042; Gaz. vol. 134; p. 886.
- Spencer, S. E., Springfield, N. Y. Starting device for automobile-engines. No. 906,078; Dec. 8; Sp. p. 1894; Gaz. vol. 137; p. 1324.
- Spencer, W. J., Waterbury, Conn. Power air-pump. No. 898,522; Sept. 15; Sp. p. 2587; Dr. p. 553; Gaz. vol. 136; p. 477.
- Spencer, W. M., Burns, Tenn. Rotary engine. No. 882,591; Mar. 24; Sp. p. 4171; Dr. p. 885; Gaz. vol. 133; p. 782.
- Spencer Wire Company. (See Sargent, H. D., assignor.)
- Spengler, C. C., Rockford, Ill., assignor to Automatic Pencil Sharpener Company, New York, N. Y. Pencil-sharpener. No. 889,056; May 26; Sp. p. 5493; Dr. p. 1168; Gaz. vol. 134; p. 982.
- Spengler, O. (See Herzberg and Spengler.)
- Spera, J. B., Dillsburg, and S. G. Cocklin, Mechanicsburg, Pa. Railway-tie. No. 879,921; Feb. 25; Sp. p. 4223; Dr. p. 882; Gaz. vol. 132; p. 1620.
- Sperber, N., Paris, France. Crank-press. No. 905,601; Dec. 1; Sp. p. 984; Gaz. vol. 137; p. 1140.
- Sperry, E. A., Brooklyn, N. Y. Making stannic chlorid. No. 877,248; Jan. 21; Sp. p. 3231; Dr. p. 700; Gaz. vol. 132; p. 593.
- Sperry, E. A., Brooklyn, N. Y. Reclaiming tin-scrap. No. 879,596; Feb. 18; Sp. p. 3516; Gaz. vol. 132; p. 1478.
- Sperry, E. A., Brooklyn, N. Y. Detinning. No. 883,500; Mar. 31; Sp. p. 6035; Dr. p. 1288; Gaz. vol. 133; p. 1112.
- Sperry, E. A., Brooklyn, N. Y. Apparatus for effecting reactions. No. 885,391; Apr. 21; Sp. p. 3560; Dr. pp. 745-6; Gaz. vol. 133; p. 1815.
- Sperry, E. A., Brooklyn, N. Y. Preparing pure tin compounds. No. 887,538; May 12; Sp. p. 2467; Gaz. vol. 134; p. 424.
- Sperry, E. A., Brooklyn, N. Y. Electric locomotive. No. 897,312; Sept. 1; Sp. p. 78; Dr. p. 20; Gaz. vol. 136; p. 17.
- Sperry, E. A., Brooklyn, N. Y. Preparing merchantable iron and tin compound from tin-plate scrap. No. 897,796; Sept. 1; Sp. p. 1115; Dr. pp. 239-40; Gaz. vol. 136; p. 179.
- Sperry, E. A., Brooklyn, N. Y. Preparing merchantable iron from tin-plate scrap. No. 901,266; Oct. 13; Sp. p. 2460; Dr. p. 505; Gaz. vol. 138; p. 1488.
- Sperry, E. A., Brooklyn, N. Y. Dehydrating moist chlorin. No. 905,602; Dec. 1; Sp. p. 986; Gaz. vol. 137; p. 1141.
- Sperry, E. A., Brooklyn, N. Y. Preparing merchantable iron from tin-plate scrap. No. 906,321; Dec. 8; Sp. p. 2370; Gaz. vol. 137; p. 1406.
- Sperry, E. A., Brooklyn, N. Y. Steadying device for vehicles. No. 907,907; Dec. 29; Sp. p. 5519; Gaz. vol. 137; p. 2011.
- Sperry, E. A., Brooklyn, assignor to Chemical Reduction Company, New York, N. Y. Apparatus for making stannic chlorid. No. 877,243; Jan. 21; Sp. p. 3216; Dr. p. 697; Gaz. vol. 132; p. 591.
- Sperry, E. A., Brooklyn, assignor to Chemical Reduction Company, New York, N. Y. Purifying stannic chlorid. No. 877,244; Jan. 21; Sp. p. 3220; Dr. p. 697; Gaz. vol. 132; p. 591.
- Sperry, E. A., Brooklyn, assignor to Chemical Reduction Company, New York, N. Y. Apparatus for effecting reactions. No. 877,245; Jan. 21; Sp. p. 3221; Dr. p. 698; Gaz. vol. 132; p. 592.
- Sperry, E. A., Brooklyn, assignor to Chemical Reduction Company, New York, N. Y. Effecting reactions between solids and gases. No. 877,246; Jan. 21; Sp. p. 3224; Dr. p. 698; Gaz. vol. 132; p. 592.
- Sperry, E. A., Brooklyn, assignor to Chemical Reduction Company, New York, N. Y. Making stannic chlorid. No. 877,247; Jan. 21; Sp. p. 3227; Dr. p. 699; Gaz. vol. 132; p. 592.
- Sperry, E. A., Brooklyn, assignor to Chemical Reduction Company, New York, N. Y. Making stannic chlorid. No. 882,354; Mar. 17; Sp. p. 3732; Dr. p. 793; Gaz. vol. 133; p. 672.
- Sperry, E. P., Oak Park, Ill. Casement-window. No. 888,545; May 26; Sp. p. 4446; Dr. p. 941; Gaz. vol. 134; p. 815.
- Sperry, H. B., Ottumwa, Iowa, assignor to International Harvester Company. Side-delivery hay-rake. No. 888,546; May 26; Sp. p. 4448; Dr. pp. 941-2; Gaz. vol. 134; p. 815.
- Sperry, H. B., Springfield, Ohio, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Rake. No. 896,770; Aug. 25; Sp. p. 3969; Dr. p. 854; Gaz. vol. 135; p. 1613.
- Sperry, J. E., Munsville, N. Y. Metallic culvert. No. 906,953; Dec. 15; Sp. p. 3550; Gaz. vol. 137; p. 1632.
- Sperry, L. (See Broderick, D. F., assignor.)
- Sperzel, G., Darby, assignor to W. H. Horn & Brother, Philadelphia, Pa. Toe-stretcher. No. 907,536; Dec. 22; Sp. p. 4705; Gaz. vol. 137; p. 1860.
- Spets, F. H., Chicago, Ill. Drill-chuck. No. 885,392; Apr. 21; Sp. p. 3564; Dr. p. 746; Gaz. vol. 133; p. 1815.
- Spicer, C., Elyria, Ohio. Mechanism for controlling air and sand on cars. No. 897,229; Aug. 25; Sp. p. 4962; Dr. p. 1053; Gaz. vol. 135; p. 1765.
- Spicer, C. R., Springfield, Ill. Brush-cleaner. No. 883,752; Apr. 7; Sp. p. 141; Dr. p. 26; Gaz. vol. 133; p. 1217.
- Spicer, C. W., Plainfield, N. J. Machine for marking round surfaces. No. 887,137; May 12; Sp. p. 1584; Dr. p. 336; Gaz. vol. 134; p. 291.
- Spicer, M. J., Fairfield, Nebr. Incubator-heater. No. 899,347; Sept. 22; Sp. p. 4156; Dr. p. 889; Gaz. vol. 136; p. 771.
- Spicer, V. K. (See Schreuder and Spicer.)
- Spielman, A., Philadelphia, Pa. Cloth-cutting machine. No. 892,460; July 7; Sp. p. 139; Dr. p. 30; Gaz. vol. 135; p. 27.
- Spielmann, C., and F. W. Wicht, New York, N. Y. Consecutive-numbering apparatus. No. 902,339; Oct. 27; Sp. p. 4766; Dr. p. 961; Gaz. vol. 136; p. 1907.
- Spiers, F. A. (See Riley and Spiers.)
- Spies, A., Louisville, Ky. Railway-gate. No. 894,987; Aug. 4; Sp. p. 429; Dr. p. 88; Gaz. vol. 135; p. 964.
- Spies, G., Berlin, Germany. Device for putting on and taking off hose. No. 881,163; Mar. 10; Sp. p. 1335; Dr. p. 287; Gaz. vol. 133; p. 257.
- Spiker, J. A., *et al.* (See Lind, J. W., assignor.)
- Spiker, J. A. (See Williams and Spiker.)
- Spillane, T., Kane, Pa. Making plate or sheet glass. No. 904,158; Nov. 17; Sp. p. 3308; Gaz. vol. 137; p. 597.
- Spiller, H. A., assignor, by mesne assignments, to Brown-Binnian Company, Boston, Mass. Disk closure for jars and similar receptacles. No. 895,906; Aug. 11; Sp. p. 2255; Dr. p. 481; Gaz. vol. 135; p. 1290.
- Spiller, H. A., assignor, by mesne assignments, to Brown-Binnian Company, Boston, Mass. Jar-closure. No. 895,907; Aug. 11; Sp. p. 2256; Dr. p. 481; Gaz. vol. 135; p. 1290.
- Spiller, S., assignor of one-half to E. Stamp, Rockhampton, Queensland, Australia. Burner-nipple pricker and cleanser. No. 890,883; June 16; Sp. p. 3426; Dr. p. 751; Gaz. vol. 134; p. 1666.
- Spilltoir, G. E., New York, N. Y. Door-lock. No. 898,014; Sept. 8; Sp. p. 1600; Dr. p. 341; Gaz. vol. 136; p. 283.
- Spindler, C. (See Harms and Spindler.)
- Spinelli, B., New York, N. Y. Soda-water fountain. No. 897,170; Aug. 25; Sp. p. 4826; Dr. p. 1027; Gaz. vol. 135; p. 1746.
- Spingler, H. (See Tallafiero, E. E., assignor.)
- Spink, A. (See Walker and Spink.)
- Spinner, E. F., Ava, Ill. Potato-planter. No. 893,395; July 14; Sp. p. 2008; Dr. p. 421; Gaz. vol. 135; p. 362.
- Spinner, E. F., Ava, Ill. Plowshare-fastener. No. 902,770; Nov. 3; Sp. p. 462; Gaz. vol. 137; p. 80.
- Spinolla, H. M., San Andreas, Cal. Water-balanced pump. No. 889,733; June 2; Sp. p. 1064; Dr. p. 246; Gaz. vol. 134; p. 1230.
- Spira, H. S. (See Moffatt and Spira.)
- Spirella Company. (See Johnson, W. W., assignor.)
- Spirella Company. (See Schuler, D., assignor.)
- Spiro, C., New York, N. Y. Pencil-sharpener. No. 876,744; Jan. 14; Sp. p. 2163; Dr. p. 475; Gaz. vol. 132; p. 383.
- Spiro, C., New York, N. Y. Paper file and punch. No. 878,320; Feb. 4; Sp. p. 871; Dr. p. 173; Gaz. vol. 132; p. 989.
- Spiro, C., New York, N. Y. Clip-file. No. 881,970; Mar. 17; Sp. p. 2972; Dr. p. 633; Gaz. vol. 133; p. 547.
- Spiro, C., New York, N. Y. Front-strike type-writer. No. 893,947; July 21; Sp. p. 3261; Dr. pp. 671-2; Gaz. vol. 135; p. 573.
- Spiro, C., New York, N. Y. Ribbon-shifting mechanism. No. 896,866; Aug. 25; Sp. p. 4183; Dr. p. 896; Gaz. vol. 135; p. 1646.
- Spiro, C., New York, N. Y. Margin-stop. No. 902,263; Oct. 27; Sp. p. 4576; Dr. p. 929; Gaz. vol. 136; p. 1880.
- Spitt, N. E., Salem, Ohio. Automatic railway-signal. No. 878,905; Feb. 11; Sp. pp. 2112; Dr. pp. 440-1; Gaz. vol. 132; p. 1214.
- Spitt, J. F., McKees Rocks, Pa. Tool for cutting pipe and the like. No. 898,697; Sept. 15; Sp. p. 2934; Dr. p. 628; Gaz. vol. 136; p. 534.
- Spitzli, G. H. (See Burnop and Spitzli.)
- Spitzli Manufacturing Company. (See Burnop, W. A., assignor.)
- Spitzli Manufacturing Company. (See Burnop and Spitzli, assignors.)
- Spivak, F. A., Sunrise, Minn. Grain-heater. No. 884,230; Apr. 7; Sp. p. 1155; Dr. p. 243; Gaz. vol. 133; p. 1374.
- Spivey, S. S., Paducah, Ky. Boiler-furnace. No. 880,175; Feb. 25; Sp. p. 4716; Dr. p. 996; Gaz. vol. 132; p. 1701.
- Spivey, T. S., assignor to Victor Safe & Lock Company, Cincinnati, Ohio. Safe construction. No. 903,800; Nov. 10; Sp. p. 2534; Gaz. vol. 137; p. 443.
- Splid, P., St. Paul, Minn. Dividers. No. 905,381; Dec. 1; Sp. p. 507; Gaz. vol. 137; p. 1070.
- Splittorf, C. F. (See Hubert, T., assignor.)
- Spoelstra, G. W., Grand Rapids, Mich. Water-motor. No. 882,025; Mar. 17; Sp. p. 3101; Dr. p. 660; Gaz. vol. 133; p. 565.
- Sponable, G. W., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Gear. No. 885,194; Apr. 21; Sp. p. 3144; Dr. p. 660; Gaz. vol. 133; p. 1749.
- Sponholz, H. C., Moscow, Russia. Fire-escape ladder. No. 906,954; Dec. 15; Sp. p. 3551; Gaz. vol. 137; p. 1632.
- Sponsei, C. W. (See Kidder and Sponsei.)

Alphabetical list of patentees—Continued.

- Sponsel, C. W., Hartford, Conn., assignor to Parker Machine Company, Buffalo, N. Y. Type-writer. No. 879,207; Feb. 18; Sp. p. 2699; Dr. pp. 563-4; Gaz. vol. 132; p. 1351.
- Sponsel, C. W., Hartford, Conn., assignor to Parker Machine Company, Buffalo, N. Y. Carriage-shifting mechanism for type-writers. No. 883,753; Apr. 7; Sp. p. 142; Dr. p. 26; Gaz. vol. 133; p. 1217.
- Spooner, C. A., Philadelphia, Pa. Apparatus for supporting roller-skaters in rinks. No. 889,268; June 2; Sp. p. 150; Dr. p. 36; Gaz. vol. 134; p. 1062.
- Spooner, C. A., Philadelphia, Pa. Apparatus for supporting roller-skaters in rinks. No. 895,055; Aug. 4; Sp. p. 560; Dr. p. 115; Gaz. vol. 135; p. 987.
- Spooner, J. A., Cedar Rapids, Iowa. Hand printing-machine. No. 893,882; July 21; Sp. p. 3138; Dr. p. 644; Gaz. vol. 135; p. 552.
- Spooner, N. B., Warren, N. H. Wringer-stand. No. 878,682; Feb. 11; Sp. p. 1683; Dr. pp. 347-8; Gaz. vol. 132; p. 1143.
- Spooner, W. P., Shellmouth, Manitoba, Canada. Water-wheel. No. 896,867; Aug. 25; Sp. p. 4186; Dr. p. 897; Gaz. vol. 135; p. 1646.
- Spoorendonk, H. J., assignor of one-half to J. J. Moran, New York, N. Y. Window-cleaner. No. 905,945; Dec. 8; Sp. p. 1641; Gaz. vol. 137; p. 1283.
- Sporleder, M., Colorado City, Colo. Setting mechanism for watches. No. 879,208; Feb. 18; Sp. p. 2705; Dr. p. 564; Gaz. vol. 132; p. 1351.
- Spornhauer, C., assignor of one-half to F. Spornhauer, Celina, Ohio. Metallic-roofing construction. No. 877,133; Jan. 21; Sp. p. 2985; Dr. p. 645; Gaz. vol. 132; p. 553.
- Spornhauer, F. (See Spornhauer, C., assignor.)
- Spotswood, C. F. (See Keller, M. E., assignor.)
- Spotts, E. M., Milwaukee, Wis. Mail-bag catching and delivering device. No. 896,946; Aug. 25; Sp. p. 4364; Dr. pp. 935-6; Gaz. vol. 135; p. 1672.
- Spotz, C. H., and G. A. Spencer, Philadelphia, Pa. Back and head rest. No. 884,534; Apr. 14; Sp. p. 1751; Dr. p. 377; Gaz. vol. 133; p. 1501.
- Spradling, H. L., Tuxedo Park, Mo. Hinge. No. 906,322; Dec. 8; Sp. p. 2377; Gaz. vol. 137; p. 1407.
- Sprado, C. G., assignor to Allis-Chalmers Company, Milwaukee, Wis. Valve and valve-casing. No. 895,056; Aug. 4; Sp. p. 562; Dr. p. 116; Gaz. vol. 135; p. 987.
- Spragins, G. W., Falls City, Nebr. Cultivator. No. 895,120; Aug. 4; Sp. p. 695; Dr. p. 145; Gaz. vol. 135; p. 1009.
- Sprague, A. R., Sacramento, Cal. Apparatus for golf practice. No. 883,058; Mar. 24; Sp. p. 5092; Dr. p. 1087; Gaz. vol. 133; p. 935.
- Sprague, A. R., Sacramento, Cal., assignor, by mesne assignments, to L. H. Roy, Chicago, Ill. Temperature regulation. No. 880,414; Feb. 25; Sp. p. 5201; Dr. p. 1096; Gaz. vol. 132; p. 1781.
- Sprague, A. R., Sacramento, Cal., assignor, by mesne assignments, to L. A. Roy, Chicago, Ill. Apparatus for refrigeration. No. 881,733; Mar. 10; Sp. p. 2468; Dr. p. 531; Gaz. vol. 133; p. 440.
- Sprague, A. R., Sacramento, Cal., assignor, by mesne assignments, to L. A. Roy, Chicago, Ill. Apparatus for refrigeration. No. 881,832; Mar. 10; Sp. p. 2658; Dr. p. 509; Gaz. vol. 133; p. 473.
- Sprague, A. R., Sacramento, Cal., assignor, by mesne assignments, to L. A. Roy, Chicago, Ill. Refrigerating apparatus. No. 890,809; June 16; Sp. p. 3296; Dr. p. 722; Gaz. vol. 134; p. 1644.
- Sprague, A. W., La Grange, assignor to American Steel & Wire Company, Chicago, Ill. Wire-stretcher. No. 886,020; Apr. 28; Sp. p. 4863; Dr. p. 1022; Gaz. vol. 133; p. 2047.
- Sprague, C. H., *et al.* (See Staples, R. E., assignor.)
- Sprague, D. A., Poland, N. Y. Combined churn and butter-worker. No. 908,164; Dec. 29; Sp. p. 6055; Gaz. vol. 137; p. 2097.
- Sprague Electric Company. (See Libby, S. H., assignor.)
- Sprague, F. H., Orange, Mass. Child's garment. No. 877,607; Jan. 28; Sp. p. 3953; Dr. p. 854; Gaz. vol. 132; p. 729.
- Sprague, F. H., Orange, Mass. Child's garment. No. 886,735; May 5; Sp. p. 821; Dr. p. 169; Gaz. vol. 134; p. 136.
- Sprague, F. J. (See Wilgus and Sprague.)
- Sprague, G. P., Arlington, Mass. Nut-wrench. No. 898,996; Sept. 15; Sp. p. 3466; Dr. p. 742; Gaz. vol. 136; p. 630.
- Sprague, G. P., Arlington, Mass. Nut-wrench. No. 898,997; Sept. 15; Sp. p. 3467; Dr. p. 742; Gaz. vol. 136; p. 630.
- Sprague, H. M., Denver, Colo. Trunk-harness and clutch. No. 895,590; Aug. 11; Sp. p. 1634; Dr. p. 344; Gaz. vol. 135; p. 1188.
- Sprague, H. S., Dana, Ind. Piston-valve. No. 901,846; Oct. 20; Sp. p. 3722; Dr. pp. 756-7; Gaz. vol. 136; p. 1716.
- Sprague, J. H., Norwalk, Ohio. Vehicle canopy-top. No. 886,659; May 5; Sp. p. 632; Dr. p. 131; Gaz. vol. 134; p. 109.
- Sprague, J. H., Piceance, Colo. Animal-trap. No. 904,024; Nov. 17; Sp. p. 3021; Gaz. vol. 137; p. 551.
- Sprague, J. H., Rifle, and E. Warmbrodt, Glenwood Springs, Colo.; said Warmbrodt assignor to said Sprague. Animal-trap. No. 877,134; Jan. 21; Sp. p. 2987; Dr. p. 645; Gaz. vol. 132; p. 553.
- Sprague, M. A., *et al.* (See Staples, R. E., assignor.)
- Sprague, W. W., Monmouth, Me. Cow-milking machine. No. 891,506; June 23; Sp. p. 4703; Dr. p. 1018; Gaz. vol. 134; p. 1903.
- Spraker, H. G., Rich Hill, Mo. Hame-strap attachment. No. 884,231; Apr. 7; Sp. p. 1156; Dr. p. 244; Gaz. vol. 133; p. 1375.
- Spranger, P., Marienfelde, near Berlin, assignor to Daimler Motoren-gesellschaft, Stuttgart, Germany. Carbureter. No. 905,012; Nov. 24; Sp. p. 5111; Gaz. vol. 137; p. 911.
- Spratt's Patent (America) Limited. (See Rathborne, R. C., assignor.)
- Spreen, G., Medford, Wis. Artificial tree. No. 891,301; June 23; Sp. p. 4286; Dr. p. 936; Gaz. vol. 134; p. 1836.
- Spring, M., Oakland, Cal. Ankle-joint for artificial limbs. No. 907,192; Dec. 22; Sp. p. 4022; Gaz. vol. 137; p. 1744.
- Spring, M. O., Schenectady, N. Y., assignor to General Electric Company. Connector. No. 904,097; Nov. 17; Sp. p. 3169; Gaz. vol. 137; p. 575.
- Spring Seal Company. (See Dorman, W. S., assignor.)
- Springer, B. (See Suhl, E. H., assignor.)
- Springer, C. E., Chicago, Ill. Concrete structure. No. 893,272; July 14; Sp. p. 1787; Dr. p. 376; Gaz. vol. 135; p. 323.
- Springer, J. F., Girard, Pa. Ball-bearing. No. 903,337; Nov. 10; Sp. p. 1603; Gaz. vol. 137; p. 294.
- Springer, J. F., Girard, Pa. Roller-bearing. No. 907,908; Dec. 29; Sp. p. 5521; Gaz. vol. 137; p. 2011.
- Springer, L. M., Spokane, Wash. Combination hem and bias-fold gage. No. 905,382; Dec. 1; Sp. p. 508; Gaz. vol. 137; p. 1070.
- Springer, W. N., Peoria, Ill. Corn-husking machine. No. 898,392; Sept. 8; Sp. p. 2311; Dr. pp. 491-2; Gaz. vol. 136; p. 402.
- Springer, W. N., assignor to Avery Manufacturing Company, Peoria, Ill. Governor and reversing-gear for engines. No. 898,074; Sept. 8; Sp. p. 1726; Dr. p. 366; Gaz. vol. 136; p. 302.
- Springfield Printing & Binding Company. (See Kandle, M. M., assignor.)
- Springfield Seed Company. (See Sanders, A. S. E., assignor.)
- Sprink, I. W. (See Brown and Sprink.)
- Sprister, O., Appleton, Wis. Horseshoe-halk. No. 892,562; July 7; Sp. p. 321; Dr. p. 70; Gaz. vol. 135; p. 61.
- Spröngerts, E., assignor to Vereinigte Chininfabriken Zimmer & Co., Gesellschaft mit beschränkter Haftung, Frankfurt-on-the-Main, Germany. Brom-valeric-acid menthol ester. No. 888,857; May 26; Sp. p. 5108; Gaz. vol. 134; p. 917.
- Sprout, I. W., and R. E. Kester, Hanover, Pa. Furniture-fastener. No. 878,753; Feb. 11; Sp. p. 1818; Dr. p. 376; Gaz. vol. 132; p. 1166.
- Sprout, L. A., Waukomis, Okla. Churn-dasher. No. 900,441; Oct. 6; Sp. p. 780; Dr. p. 161; Gaz. vol. 136; p. 1195.
- Sprout, Waldron & Company. (See Snyder, S., assignor.)
- Spruce, C. J., and F. H. Deknatel, assignors to Mackie-Lovejoy Manufacturing Company, Chicago, Ill. Garment-hanger. No. 906,323; Dec. 8; Sp. p. 2378; Gaz. vol. 137; p. 1407.
- Sprung, S., New York, N. Y. Permutation-lock. No. 893,273; July 14; Sp. p. 1789; Dr. p. 376; Gaz. vol. 135; p. 323.
- Spry, J., East Rand, Transvaal. Safety device for mine skips, cages, &c. No. 902,694; Nov. 3; Sp. p. 322; Gaz. vol. 137; p. 54.
- Spryszynski, S. M., Buffalo, N. Y. Non-refillable bottle. No. 877,249; Jan. 21; Sp. p. 3233; Dr. p. 700; Gaz. vol. 132; p. 503.
- Spurgeon, J. S., Jericho, Ky. Valve-gear for engines. No. 898,797; Sept. 15; Sp. p. 3111; Dr. pp. 666-7; Gaz. vol. 136; p. 566.
- Squires, H. P., Passadumkeag, and E. A. Buck, West Enfield, Me. Hinge. No. 888,049; May 19; Sp. p. 3469; Dr. p. 726; Gaz. vol. 134; p. 622.
- Squires, A. C., assignor of one-eighth to R. T. Dobson, Akron, one-fourth to E. G. Lahr, and two-sixteenths to C. N. Russell, Cuyahoga Falls, one-sixteenth to C. Senn, Monroe Falls, one-sixteenth to N. Huber, Akron, one-sixteenth to H. E. Bowman, Cuyahoga Falls, one-sixteenth to C. H. Stahl, and one-tenth to G. W. Gridley, Akron, Ohio. Machine for making rubber footwear. No. 878,572; Feb. 11; Sp. p. 1451; Dr. p. 296; Gaz. vol. 132; p. 1106.
- Srncic, E., Baltimore, Md. Rotary engine. No. 877,872; Jan. 28; Sp. p. 4433; Dr. pp. 965-6; Gaz. vol. 132; p. 813.
- St. Antoine, J., Cheboygan, Mich. Wreck-indicator. No. 882,974; Mar. 24; Sp. p. 4941; Dr. p. 1049; Gaz. vol. 133; p. 909.
- St. Clair, A. A., assignor to St. Clair Air Brake Company, Indianapolis, Ind. Air-brake. No. 899,844; Sept. 29; Sp. p. 5176; Dr. pp. 1109-11; Gaz. vol. 136; p. 970.
- St. Clair, A. A., assignor to St. Clair Air Brake Company, Indianapolis, Ind. Brake-release. No. 899,919; Sept. 29; Sp. p. 5320; Dr. p. 1137; Gaz. vol. 136; p. 993.
- St. Clair Air Brake Company. (See St. Clair, A. A., assignor.)
- St. Clair, G. A. (See Jones, J. T., assignor.)
- St. Clair, J. T. (See Summa and St. Clair.)
- St. John, J. C., assignor of one-half to J. M. Riordan, Boston, Mass. Sharpener attachment for pencils. No. 888,669; May 26; Sp. p. 4714; Dr. p. 1003; Gaz. vol. 134; p. 857.
- St. John, G. W., Stonefort, Ill. Grate. No. 893,671; July 21; Sp. p. 2631; Dr. p. 551; Gaz. vol. 135; p. 482.

Alphabetical list of patentees—Continued.

- St. Joseph Iron Works. (See Eklund, J., assignor.)
 St. Louis Car Company. (See Robinson, E. T., assignor.)
 St. Louis Car Company. (See Sisson, A. H., assignor.)
 St. Louis Malleable Casting Company. (See Lambertson, C. E., assignor.)
 St. Onge, A., Providence, R. I., assignor to Brown-St. Onge Company. Cotton-picker machine. No. 897,320; Sept. 1; Sp. p. 126; Dr. p. 27; Gaz. vol. 136; p. 20.
 St. Onge, F. C., assignor to St. Onge Manufacturing Company, Utica, N. Y. Hose-coupling. No. 893,554; July 14; Sp. p. 2377; Dr. p. 497; Gaz. vol. 135; p. 414.
 St. Onge Manufacturing Company. (See St. Onge, F. C., assignor.)
 St. Paul Journal Box Company. (See McMahan, H. I., assignor.)
 St. Peter, N., assignor of one-half to D. King, Fairfield, Me. Sand or other sprinkling machine. No. 889,058; May 26; Sp. p. 5497; Dr. p. 1169; Gaz. vol. 134; p. 982.
 St. Pierre, X., Ruby, Mont. Chuck. No. 891,014; June 16; Sp. p. 3721; Dr. p. 812; Gaz. vol. 134; p. 1711.
 Staadt, H., Dola, Ohio. Tank-heater. No. 884,232; Apr. 7; Sp. p. 1158; Dr. p. 244; Gaz. vol. 133; p. 1375.
 Stables, G., Philadelphia, Pa. Brake for automobiles. No. 897,421; Sept. 1; Sp. p. 377; Dr. p. 79; Gaz. vol. 136; p. 58.
 Stacks, H. R., assignor to Geo. V. Cresson Co., Philadelphia, Pa. Friction-clutch. No. 890,810; June 16; Sp. p. 3297; Dr. p. 722; Gaz. vol. 134; p. 1644.
 Stacy, E. A. (See Goodale and Stacy.)
 Stafford, D., Wheaton, Ill. Dump-wagon. No. 891,963; June 30; Sp. p. 5676; Dr. p. 1222; Gaz. vol. 134; p. 2087.
 Stafford, F. R., Providence, R. I. Link cuff-button. No. 893,109; July 14; Sp. p. 1463; Dr. p. 308; Gaz. vol. 135; p. 269.
 Stafford, G. A., Belcherville, I. P. Whitaker, Alvord, and J. L. Lopp, Greenwood, Tex. Electric railway-signal. No. 884,622; Apr. 14; Sp. p. 1929; Dr. p. 414; Gaz. vol. 133; p. 1530.
 Stafford, G. J., McGraw, N. Y. Concrete-mixer. No. 888,198; May 19; Sp. p. 3738; Dr. pp. 784-6; Gaz. vol. 134; p. 669.
 Stafford, G. J., McGraw, N. Y. Concrete-mixer. No. 888,199; May 19; Sp. p. 3744; Dr. p. 786; Gaz. vol. 134; p. 669.
 Stafford, L., Spokane, Wash. Hair-dyer. No. 877,960; Feb. 4; Sp. p. 130; Dr. p. 23; Gaz. vol. 132; p. 871.
 Stafford, T. J., Brooklyn, Iowa. Stove-grate. No. 880,472; Feb. 25; Sp. p. 5329; Dr. pp. 1121-2; Gaz. vol. 132; p. 1802.
 Stafford, W. K., Newton, Mass. Heater. No. 884,300; Apr. 7; Sp. p. 1274; Dr. p. 269; Gaz. vol. 133; p. 1396.
 Stagg, T. H., assignor to Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Dump-car. No. 899,573; Sept. 29; Sp. p. 4608; Dr. p. 990; Gaz. vol. 136; p. 882.
 Staggs, E. M. (See Mathis and Staggs.)
 Stahl, A., assignor to William Tonk & Bro., New York, N. Y. Back for upright pianos. No. 890,811; June 16; Sp. p. 3299; Dr. p. 722; Gaz. vol. 134; p. 1644.
 Stahl, C. H., *et al.* (See Squires, A. C., assignor.)
 Stahl, F. W., Denver, Colo. Clarinet. No. 885,880; Apr. 28; Sp. p. 4546; Dr. p. 954; Gaz. vol. 133; p. 2000.
 Stahl, G., *et al.* (See Oramas, P., assignor.)
 Stahl, W. F. (See Rider, C. D., assignor.)
 Staiger, C., *et al.* (See Pleukharp, C. W., assignor.)
 Staines, F., assignor to J. C. Bowden, Melbourne, Victoria, Australia. Plate and dish cover. No. 902,340; Oct. 27; Sp. p. 4768; Dr. pp. 961-2; Gaz. vol. 136; p. 1907.
 Stair Lift Company. (See Dodge, J. M., assignor.)
 Staley, H. L., Martinsville, Ind. Gearing for washing-machines. No. 880,250; Feb. 25; Sp. p. 4876; Dr. p. 1031; Gaz. vol. 132; p. 1727.
 Staley, H. L., Martinsville, Ind. Oscillatory rotary gearing. No. 903,613; Nov. 10; Sp. p. 2172; Gaz. vol. 137; p. 384.
 Staley, H. L., Charleroi, Pa. Envelop. No. 902,341; Oct. 27; Sp. p. 4769; Dr. p. 962; Gaz. vol. 136; p. 1908.
 Staley, H. W., Knapp Creek, assignor of one-fourth to Carley Heater Company, Olean, N. Y. Tube catcher and support. No. 885,195; Apr. 21; Sp. p. 3145; Dr. p. 660; Gaz. vol. 133; p. 1749.
 Staley, R. M., assignor of one-half to W. S. Bryant, Centerville, Iowa. Clinometer. No. 899,269; Sept. 22; Sp. p. 4030; Dr. p. 861; Gaz. vol. 136; p. 747.
 Staley, S. B., Mitchell, Ind. Package-tie. No. 902,695; Nov. 3; Sp. p. 326; Gaz. vol. 137; p. 55.
 Stålhane, O. (See Lindblad and Stålhane.)
 Stalker, A., *et al.* (See Boyler, E. J., assignor.)
 Stalker, N., West Hartford, Conn. Horse-check. No. 883,754; Apr. 7; Sp. p. 147; Dr. p. 26; Gaz. vol. 133; p. 1217.
 Stalker, N. S., Duluth, Minn., assignor of one-half to F. Crassweller. Grain-car door. No. 894,075; July 21; Sp. p. 3543; Dr. pp. 726-7; Gaz. vol. 135; p. 617.
 Stall, F. A., Jr., Darlington, S. C. Vehicle-tire. No. 902,009; Oct. 27; Sp. p. 4075; Dr. p. 827; Gaz. vol. 136; p. 1800.
 Stallman, G. H., Philadelphia, Pa. Piston. No. 896,947; Aug. 25; Sp. p. 4368; Dr. p. 936; Gaz. vol. 135; p. 1673.
 Stallsmith, J. F., Topeka, Kans. Stomach-pump. No. 883,583; Mar. 31; Sp. p. 6195; Dr. p. 1320; Gaz. vol. 133; p. 1134.
 Stallmann, G., Leipzig-Gohlis, assignor to Firm of Schimmel u. Co., Leipzig, Germany. Manufacturing protocatechuic aldehyde. No. 886,085; Apr. 28; Sp. p. 4977; Gaz. vol. 133; p. 2067.
 Stalson, O. M., Eau Claire, Wis. Rope-bracket. No. 891,640; June 23; Sp. p. 4995; Dr. p. 1076; Gaz. vol. 134; p. 1947.
 Stambaugh, S. F. (See Hope and Stambaugh.)
 Stamm, C. H., Kokomo, Ind. Automatic train-pipe coupling. No. 881,632; Mar. 10; Sp. p. 2278; Dr. p. 494; Gaz. vol. 133; p. 410.
 Stamm, G. T., Los Angeles, Cal. Friction-transmission gear. No. 876,847; Jan. 14; Sp. p. 2347; Dr. p. 515; Gaz. vol. 132; p. 415.
 Stamm, H., Reutzmühle, near Greiz, Germany. Printing-machine. No. 908,347; Dec. 29; Sp. p. 6452; Gaz. vol. 137; p. 2161.
 Stamm, W. A., Macon, Ohio. Piston-valve. No. 878,834; Feb. 11; Sp. p. 1972; Dr. p. 409; Gaz. vol. 132; p. 1192.
 Stamp, E. (See Spiller, S., assignor.)
 Stamper, E. G., Paducah, Ky. Dental sterilizer and water-heater. No. 897,171; Aug. 25; Sp. p. 4827; Dr. p. 1027; Gaz. vol. 135; p. 1746.
 Stanbon, C. P., Lynn, Mass. Channel-flap-turning machine. No. 898,016; Sept. 8; Sp. p. 1604; Dr. p. 342; Gaz. vol. 136; p. 284.
 Stancliff, E., New York, N. Y. Wheel. No. 892,323; June 30; Sp. p. 6344; Dr. p. 1368; Gaz. vol. 134; p. 2203.
 Stancliff, G. W. (See Brown, A. M., assignor.)
 Stancliff, G. W., Houston, Tex. Tubular and drive well attachment. No. 887,138; May 12; Sp. p. 1585; Dr. p. 336; Gaz. vol. 134; p. 291.
 Stancliff, E. S., Berkeley, Cal. Automatic folding window-screen. No. 875,861; Jan. 7; Sp. p. 341; Dr. p. 76; Gaz. vol. 132; p. 63.
 Standard Automatic Lubricator Co. (See Manzel, C. W., assignor.)
 Standard Car Truck Company. (See Barber and Webb, assignors.)
 Standard Carrier Co. (See Meyer, J. J., assignor.)
 Standard Computing Scale Co. (See Jaenichen, L., assignor.)
 Standard Coupler Company. (See Gallagher, R. D., Jr., assignor.)
 Standard Equipment Company. (See Kidd, W. C., assignor.)
 Standard Equipment Company. (See Snow and Kidd, assignors.)
 Standard Fibre Company. (See Hansen, T., assignor.)
 Standard Gauge Steel Company. (See Moltrup, J. T., S., and W., assignors.)
 Standard Machine Company. (See Houseman, H. A., assignor.)
 Standard Malleable Iron Company. (See Howe, E. L., assignor.)
 Standard Manufacturing Company. (See Cole, M. R., assignor.)
 Standard Metal Company Limited. (See Wasbroad, E. J., assignor.)
 Standard Music Roll Company. (See Davis, G. H., assignor.)
 Standard Music Roll Company. (See Davis and Bowman, assignors.)
 Standard Oil Company. (See Eggleston, J. F., assignor.)
 Standard Optical Company. (See Clark, B. F., assignor.)
 Standard Pressed Steel Company. (See Hallowell, H. T., assignor.)
 Standard Pulley Manufacturing Company. (See Lachman, L. S., assignor.)
 Standard Rivet Company. (See Barber, E. A., assignor.)
 Standard Roller Bearing Company. (See Beemer, F., assignor.)
 Standard Sanitary Mfg. Co. (See Torrance, F. J., assignor.)
 Standard Sewing Machine Company. (See Diehl, J., assignor.)
 Standard Sewing Machine Company. (See Mills, D., assignor.)
 Standard Sheet Metal Company. (See Dickens, J., assignor.)
 Standard Silk Company. (See Anner, H., assignor.)
 Standard Specialty & Tube Company. (See Johnson, J. M., assignor.)
 Standard Speedometer Company. (See De Fore, S. C., assignor.)
 Standard Steel Car Company. (See Christianson, A., assignor.)
 Standard Steel Tie Company. (See Côté, G. M., assignor.)
 Standard Stopper Company. (See Mueller, F., assignor.)

Alphabetical list of patentees—Continued.

- Standard Sugar Process Company. (See Bertels, C. H., assignor.)
 Standard Trimmer Company. (See Ridgeley, C. T., assignor.)
 Standard Underground Cable Company. (See Davis, C. W., assignor.)
 Standard Underground Cable Company. (See Viele, F. S., assignor.)
 Standard Varnish Works. (See Frank, J. W., assignor.)
 Standard Wire Co. (See Norris, J. E., assignor.)
 Standaup, A., Terre Haute, Ind. Propeller. No. 879,689; Feb. 18; Sp. p. 3705; Dr. p. 776; Gaz. vol. 132; p. 1509.
 Stander, J., Brooklyn, N. Y. Combination-couch. No. 902,617; Nov. 3; Sp. p. 173; Gaz. vol. 137; p. 29.
 Standing, J. T., St. Louis, Mo. Stringed-musical-instrument key. No. 895,210; Aug. 4; Sp. p. 876; Dr. p. 184; Gaz. vol. 135; p. 1040.
 Standing, W. G., Sharpsburg, Pa. Chilli for sash-weights. No. 901,656; Oct. 20; Sp. p. 3317; Dr. p. 681; Gaz. vol. 136; p. 1653.
 Standish, P. H., et al. (See Fields, J. W., assignor.)
 Standish, P. H., Cleveland, Ohio. Apparatus for carrying and heating chain-link blanks, &c. No. 884,427; Apr. 14; Sp. p. 1525; Dr. p. 327; Gaz. vol. 133; p. 1467.
 Standish, Z. J., Fort Scott, Kans. Combined shade and curtain bracket. No. 902,342; Oct. 27; Sp. p. 4770; Dr. p. 962; Gaz. vol. 136; p. 1908.
 Standt, A., et al. (See Cuntz, H. F., assignor.)
 Stanfield, G. E., New Orleans, La. Whip-socket. No. 906,324; Dec. 8; Sp. p. 2379; Gaz. vol. 137; p. 1407.
 Stanford, G. E., Chicago, Ill. Gage for drills and augers. No. 884,233; Apr. 7; Sp. p. 1159; Dr. p. 245; Gaz. vol. 133; p. 1375.
 Stange, A., Coswig, Germany. Toy for children. No. 902,771; Nov. 3; Sp. p. 463; Gaz. vol. 137; p. 80.
 Stanley, O., and M. Christ, East St. Louis, Ill. Safety-indicator for railways. No. 882,802; Mar. 24; Sp. p. 4594; Dr. p. 979; Gaz. vol. 133; p. 851.
 Stanley Electric Manufacturing Company. (See Canfield, C. E., assignor.)
 Stanley Electric Manufacturing Company. (See Déri, M., assignor.)
 Stanley, F. E. and F. O., Newton, Mass., assignors to Stanley Motor Carriage Company. Burner for steam-generators. No. 893,668; July 21; Sp. p. 2627; Dr. p. 550; Gaz. vol. 135; p. 482.
 Stanley, F. O. (See Stanley, F. E. and F. O.)
 Stanley, G. E., Whitman, assignor of two-thirds to J. B. White, North Hanson, and F. Paddleford, Whitman, Mass. Variable-speed driving-gear. No. 875,962; Jan. 7; Sp. p. 534; Dr. p. 114; Gaz. vol. 132; p. 94.
 Stanley G. I. Electric Manufacturing Company. (See Creighton, E. E. F., assignor.)
 Stanley-G. I. Electric Manufacturing Company. (See Euker, G. W., assignor.)
 Stanley, G. F., and W. W. and S. S. Tainter, Dixfield, Me. Machine for boxing toothpicks. No. 904,159; Nov. 17; Sp. p. 3309; Gaz. vol. 137; p. 593.
 Stanley, H. C., New York, N. Y. Envelop-sealing machine. No. 900,791; Oct. 13; Sp. p. 1534; Dr. p. 312; Gaz. vol. 136; p. 1335.
 Stanley, I., New York, assignor to M. S. Middleton, Brooklyn, N. Y. Shock-absorber for automobiles. No. 898,798; Sept. 15; Sp. p. 3113; Dr. p. 667; Gaz. vol. 136; p. 566.
 Stanley, J., New York, N. Y. Building material. No. 884,959; Apr. 14; Sp. p. 2633; Dr. p. 557; Gaz. vol. 133; p. 1639.
 Stanley, J. C. W., assignor to Pacific Coast Soda Company, Los Angeles, Cal. Treating alkaline deposits for recovering soda, &c. No. 900,892; Oct. 13; Sp. p. 1750; Dr. p. 354; Gaz. vol. 136; p. 1368.
 Stanley, J. O., South Hadley Falls, assignor to B. F. Perkins and Son, Incorporated, Holyoke, Mass. Power-transmission device. No. 906,467; Dec. 8; Sp. p. 2621; Gaz. vol. 137; p. 1451.
 Stanley, M. F., Northville, Mich. Scoring device. No. 875,862; Jan. 7; Sp. p. 342; Dr. p. 76; Gaz. vol. 132; p. 63.
 Stanley Motor Carriage Company. (See Hamilton, B. C., assignor.)
 Stanley Motor Carriage Company. (See Stanley, F. E. and F. O., assignors.)
 Stanley Motor Carriage Company. (See Whitney, G. E., assignor.)
 Stanley, R. C. (See Wadhams and Stanley.)
 Stanley Rule & Level Company. (See Bartholomew, J. P., assignor.)
 Stanley Rule & Level Company. (See Bodmer, C., assignor.)
 Stanley Rule & Level Company. (See Carlson, F. E., assignor.)
 Stanley Rule & Level Company. (See Fox, C. H., assignor.)
 Stanley Rule & Level Company. (See Stearns, S. H., assignor.)
 Stanley Rule & Level Company. (See Traut, J. A. and F. L., assignors.)
 Stanley, W. E., Louisville, Ky. Steam-separator. No. 890,537; June 9; Sp. p. 2690; Dr. p. 593; Gaz. vol. 134; p. 1520.
 Stanley Works. (See Eldridge, R. C., assignor.)
 Stannard, E. M., Appleton, assignor of one-half to W. G. Gittings, Racine, Wis. Locomotive-cab seat. No. 892,692; July 7; Sp. p. 585; Dr. p. 126; Gaz. vol. 135; p. 103.
 Stannard, J. E., assignor of one-half to F. J. Millea, Springfield, Mass. Spring-wheel. No. 901,751; Oct. 20; Sp. p. 3549; Dr. pp. 718-19; Gaz. vol. 136; p. 1687.
 Stanton, P., Minneapolis, Minn. Railway-switch. No. 880,339; Feb. 25; Sp. p. 5040; Dr. p. 1064; Gaz. vol. 132; p. 1755.
 Stanton, G. S., Knoxville, Tenn. Garment-hanger. No. 882,592; Mar. 24; Sp. p. 4173; Dr. p. 885; Gaz. vol. 133; p. 782.
 Stanton, J. H., St. Catharines, Ontario, Canada. Automatic cut-off. No. 892,193; June 30; Sp. p. 6102; Dr. p. 1312; Gaz. vol. 134; p. 2161.
 Stanton, L., Beaver River, assignor to himself, and Forsyth Manufacturing Company, Buffalo, N. Y. Line-wire fastener. No. 888,763; May 26; Sp. p. 4893; Dr. p. 1042; Gaz. vol. 134; p. 886.
 Stanton, L. B. (See Elliott and Stanton.)
 Stanton, L. R., Collbran, Colo. Music-lake turner. No. 875,744; Jan. 7; Sp. p. 129; Dr. p. 29; Gaz. vol. 132; p. 26.
 Stanton, W. J., Bayonne, N. J. Corkscrew. No. 884,873; Apr. 14; Sp. p. 2474; Dr. p. 521; Gaz. vol. 133; p. 1614.
 Stanworth, W. T., Norfolk, Va. Signaling apparatus. No. 881,734; Mar. 10; Sp. p. 2471; Dr. p. 531; Gaz. vol. 133; p. 440.
 Stapleford, S., and J. F. Wagner, Aberdeen, Wash., assignors of one-third to R. H. Robinson and N. W. Bush. Manufacture of steel. No. 902,010; Oct. 27; Sp. p. 4076; Gaz. vol. 136; p. 1800.
 Staples, A. F., et al. (See Dorsey, F. F., assignor.)
 Staples, A. F., et al. (See Wildman, J. E., assignor.)
 Staples, A. F., Alliance, Ohio. Manufacturing pad-holder. No. 881,497; Mar. 10; Sp. p. 2005; Dr. p. 437; Gaz. vol. 133; p. 364.
 Staples, A. F., Alliance, Ohio. Sales-book. No. 884,623; Apr. 14; Sp. p. 1930; Dr. p. 415; Gaz. vol. 133; p. 1530.
 Staples, F. A., and L. Möller, San Francisco, Cal. Sash-fastener. No. 885,393; Apr. 21; Sp. p. 3565; Dr. p. 747; Gaz. vol. 133; p. 1816.
 Staples, G. T., Dedham, Mass. Packing-box for plungers. No. 887,139; May 12; Sp. p. 1586; Dr. p. 337; Gaz. vol. 134; p. 291.
 Staples & Hanford Company. (See Staples, J. A., assignor.)
 Staples, J. A., Newburgh, N. Y. Blotting-pad. No. 893,818; July 21; Sp. p. 3009; Dr. p. 615; Gaz. vol. 135; p. 532.
 Staples, J. A., Newburgh, N. Y. Springwork. No. 902,011; Oct. 27; Sp. p. 4076; Dr. p. 827; Gaz. vol. 136; p. 1800.
 Staples, J. A., assignor to Staples & Hanford Company, Newburgh, N. Y. Wire stay. No. 887,353; May 12; Sp. p. 2074; Dr. p. 435; Gaz. vol. 134; p. 364.
 Staples, R. E., assignor of seven-tenths to C. H. Sprague, Cambridge, W. B. Pendleton, Haverhill, S. G. Potter, Melrose, and M. A. Sprague, Cambridge, Mass. Automatic cut-off cock for gas-fittings. No. 903,614; Nov. 10; Sp. p. 2175; Gaz. vol. 137; p. 385.
 Stapleton, E. M., Cedar Vale, Kans. Lawn-mower. No. 876,665; Jan. 14; Sp. p. 2023; Dr. p. 441; Gaz. vol. 132; p. 359.
 Stapleton, J. T., Jersey City, N. J. Sheet-music turner. No. 898,149; Sept. 8; Sp. p. 1870; Dr. p. 399; Gaz. vol. 136; p. 325.
 Stapleton, J. T., Jersey City, N. J. Salt and pepper holder. No. 898,150; Sept. 8; Sp. p. 1872; Dr. p. 399; Gaz. vol. 136; p. 325.
 Stapleton, W. J. (See Allwardt, H. A., assignor.)
 Stapley, W. S., assignor to Bridgeport Brass Company, Bridgeport, Conn. Tire-pump. No. 882,215; Mar. 17; Sp. p. 3457; Dr. p. 735; Gaz. vol. 133; p. 625.
 Stapley, W. S., assignor to Bridgeport Brass Company, Bridgeport, Conn. Socket-cap. No. 884,624; Apr. 14; Sp. p. 1931; Dr. p. 415; Gaz. vol. 133; p. 1530.
 Stapp, S. G., Phillipsburg, Kans. Car-door. No. 884,234; Apr. 7; Sp. p. 1161; Dr. p. 245; Gaz. vol. 133; p. 1376.
 Star Brass Manufacturing Co. (See Webster, G. A., assignor.)
 Star Seal Company. (See Winter, C., assignor.)
 Star Speedometer Company. (See Dudley, Greenleaf, and Dudley, assignors.)
 Starbird, C. H., Eureka, Cal. Automatic cable-grip. No. 906,573; Dec. 15; Sp. p. 2825; Gaz. vol. 137; p. 1511.
 Starbird, G. E., Elmhurst, Ill. Coupling-gage. No. 892,563; July 7; Sp. p. 322; Dr. p. 71; Gaz. vol. 135; p. 61.
 Starbird, G. E., Elmhurst, Ill., and G. M. Fox, Cut Bank, Mont. Car-coupling. No. 876,500; Jan. 14; Sp. p. 1647; Dr. p. 357; Gaz. vol. 132; p. 301.
 Stark, C. H., Chicago, Ill. Square. No. 884,773; Apr. 14; Sp. p. 2279; Dr. p. 479; Gaz. vol. 133; p. 1582.
 Stark, C. W., Mountain Lake, Minn. Wire-reel. No. 886,160; Apr. 28; Sp. p. 5127; Dr. p. 1077; Gaz. vol. 133; p. 2091.
 Stark, C. W., Mountain Lake, Minn. Grass-grubber. No. 892,910; July 7; Sp. p. 1053; Dr. pp. 220-1; Gaz. vol. 135; p. 174.
 Stark, C. W., Mountain Lake, Minn. End-gate fastener. No. 907,909; Dec. 29; Sp. p. 5524; Gaz. vol. 137; p. 2012.
 Stark, C. W., Asbury Park, N. J. Nut-lock. No. 899,080; Sept. 22; Sp. p. 3626; Dr. p. 776; Gaz. vol. 136; p. 684.
 Stark, J. H. (See Lucas, C. H., assignor.)

Alphabetical list of patentees—Continued.

- Stark, N. G., assignor of one-half to E. T. Shepard, Oneida, N. Y. Humidor. No. 906,955; Dec. 15; Sp. p. 3552; Gaz. vol. 137; p. 1632.
- Stark, R. P., and C. R. Klingensmith, Creighton, Pa. Trolley-wheel. No. 892,016; June 30; Sp. p. 5762; Dr. p. 1279; Gaz. vol. 134; p. 2102.
- Stark, W. A., Tacoma, Wash. Melon-carrier. No. 882,722; Mar. 24; Sp. p. 4437; Dr. p. 943; Gaz. vol. 133; p. 825.
- Stark, W. O., assignor to F. C. Austin, Chicago, Ill. Mixing-machine. No. 897,313; Sept. 1; Sp. p. 83; Dr. pp. 20-1; Gaz. vol. 136; p. 17.
- Stark, W. O., assignor to F. C. Austin, Chicago, Ill. Mixing-machine. No. 903,516; Nov. 10; Sp. p. 1964; Gaz. vol. 137; p. 353.
- Starke, K. A. (See Händler and Starke.)
- Starling, J. N., Berrien county, Ga. Cultivator. No. 902,618; Nov. 3; Sp. p. 174; Gaz. vol. 137; p. 29.
- Starman, J. (See Weis and Starman.)
- Starr, C. S., Elmira, N. Y. Packer for hay-presses. No. 903,021; Nov. 3; Sp. p. 990; Gaz. vol. 137; p. 163.
- Starr, F., San Francisco, Cal. Clutch. No. 879,016; Feb. 11; Sp. p. 2313; Dr. p. 483; Gaz. vol. 132; p. 1248.
- Starr, J. E., and T. C. Wood, New York, N. Y. Valve. No. 893,204; July 14; Sp. p. 1656; Dr. p. 350; Gaz. vol. 135; p. 299.
- Starr Piano Company. (See Draper, F. W., assignor.)
- Starr, S. E. (See Black, H. A., assignor.)
- Starre, C. F., Portland, Oreg. Inspirator. No. 894,758; July 28; Sp. p. 4928; Dr. p. 1026; Gaz. vol. 135; p. 860.
- Starrett, D. (See Starrett, L. H., assignor.)
- Starrett, D. W., San Francisco, Cal. Pump operated by compressed air. No. 876,848; Jan. 14; Sp. p. 2351; Dr. p. 515; Gaz. vol. 132; p. 415.
- Starrett, D. W., San Francisco, Cal. Pump operated by compressed air. No. 876,849; Jan. 14; Sp. p. 2352; Dr. p. 515; Gaz. vol. 132; p. 416.
- Starrett, H. B., assignor of one-half to G. A. Kies, Clinton, Mich. Drawer and drawer-support. No. 879,690; Feb. 18; Sp. p. 3707; Dr. pp. 776-7; Gaz. vol. 132; p. 1509.
- Starrett, H. F., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Electrically-operated switch. No. 883,059; Mar. 24; Sp. p. 5093; Dr. pp. 1087-8; Gaz. vol. 133; p. 935.
- Starrett, L. H., assignor of one-half to D. Starrett, Portland, Oreg. Spark-arrester. No. 881,735; Mar. 10; Sp. p. 2473; Dr. p. 532; Gaz. vol. 133; p. 441.
- Starrett, L. S., and J. A. Adell, assignors to L. S. Starrett Co., Athol, Mass. Inside-caliper gage. No. 905,110; Nov. 24; Sp. p. 5298; Gaz. vol. 137; p. 943.
- Starrett, S., Reading, Pa. Brake-beam hanger. No. 893,274; July 14; Sp. p. 1791; Dr. p. 376; Gaz. vol. 135; p. 323.
- Stasch, E. R., Corning, N. Y. Conductor-strainer. No. 906,956; Dec. 15; Sp. p. 3554; Gaz. vol. 137; p. 1633.
- Stashko, F., New York, N. Y. Mechanical button. No. 878,683; Feb. 11; Sp. p. 1684; Dr. p. 348; Gaz. vol. 132; p. 1144.
- Stassart, L. O., assignor to Sanitary Envelope Sealer Company, Portland, Oreg. Envelop-sealer. No. 890,812; June 16; Sp. p. 3300; Dr. p. 723; Gaz. vol. 134; p. 1645.
- Staska, C., Pittsburg, Pa. Mangle. No. 906,325; Dec. 8; Sp. p. 2381; Gaz. vol. 137; p. 1408.
- Staub, B., New York, N. Y. Signaling system. No. 880,762; Mar. 3; Sp. p. 553; Dr. p. 117; Gaz. vol. 133; p. 96.
- Staudé, E. G., Minneapolis, Minn. Flour-packer. No. 876,603; Jan. 14; Sp. p. 1887; Dr. pp. 412-13; Gaz. vol. 132; p. 338.
- Staudé, E. G., Minneapolis, Minn. Gluing and folding machine for flexible boxes. No. 890,464; June 9; Sp. p. 2541; Dr. pp. 562-3; Gaz. vol. 134; p. 1495.
- Staudé, E. G., Minneapolis, Minn. Feed device for flexible box-making machines. No. 906,827; Dec. 15; Sp. p. 3299; Gaz. vol. 137; p. 1592.
- Staudinger, C. L., Molalla, Oreg. Detachable handle for cooking utensils. No. 892,324; June 30; Sp. p. 6349; Dr. p. 1368; Gaz. vol. 134; p. 2204.
- Staudt, J., Bonn, Germany. Manufacturing artificial stone. No. 882,975; Mar. 24; Sp. p. 4942; Gaz. vol. 133; p. 909.
- Staufner, J. R. (See Luker, W. H., assignor.)
- Staufner, J. S. (See Reed, W. C., assignor.)
- Staufner, K., Louisville, Ky. Plow. No. 906,957; Dec. 15; Sp. p. 3555; Gaz. vol. 137; p. 1633.
- Staufner, W. W., Nappanee, Ind. Cultivator. No. 899,270; Sept. 22; Sp. p. 4031; Dr. p. 861; Gaz. vol. 136; p. 747.
- Stavisky, A., assignor to National Art Paper Box Co., Boston, Mass. Receptacle. No. 903,824; Nov. 10; Sp. p. 2584; Gaz. vol. 137; p. 451.
- Stawartz, J., Homestead, and D. Anderson, Pittsburg, Pa. Curtain-stretcher. No. 891,194; June 16; Sp. p. 4047; Dr. p. 887; Gaz. vol. 134; p. 1767.
- Staynes, W. H., *et al.* (See Payne, E. F. M., assignor.)
- Ste. Ame. de Blanchiment, Teintures, Impressions et Apprêts de St. Julien. (See Berthet and Berthonnet, assignors.)
- Ste. des Massageries Fluviales de France and Ste. Ame. des Forges et Chantiers de la Méditerranée. (See Sigaudy, P., assignor.)
- Stead, H. J., assignor to Stead Lens Company, Kansas City, Mo. Making bifocal lenses. No. 890,813; June 16; Sp. p. 3301; Dr. p. 723; Gaz. vol. 134; p. 1645.
- Stead Lens Company. (See Stead, H. J., assignor.)
- Steadman, C. (See Robinson and Steadman.)
- Stearns & Co., E. C. (See Potter, W. M., assignor.)
- Stearns, S. H., assignor to Stanley Rule & Level Company, New Britain, Conn. Bit-brace handle. No. 887,708; May 12; Sp. p. 2772; Dr. p. 586; Gaz. vol. 134; p. 480.
- Stearns, W. F., Batavia, N. Y. Tire construction. No. 877,961; Feb. 4; Sp. p. 131; Dr. p. 29; Gaz. vol. 132; p. 871.
- Stearns, W. H. (See Gabrielson and Stearns.)
- Stebbins, F., Walthamstow, England. Means of using newspaper and like stands for advertising purposes. No. 899,081; Sept. 22; Sp. p. 3628; Dr. p. 777; Gaz. vol. 136; p. 685.
- Stebbins, A. H., Los Angeles, Cal. Ore-concentrator. No. 900,442; Oct. 6; Sp. p. 780; Dr. pp. 161-2; Gaz. vol. 136; p. 1195.
- Stebbins, C. E., Iola, Kans. Magnetic ore-separator. No. 899,348; Sept. 22; Sp. p. 4157; Dr. p. 890; Gaz. vol. 136; p. 771.
- Stebbins, F. E. (See Wright and Stebbins.)
- Stebbins, F. E., Washington, D. C. Car construction. No. 897,314; Sept. 1; Sp. p. 85; Dr. pp. 21-2; Gaz. vol. 136; p. 18.
- Stebbins, F. E., Washington, D. C. Car construction. No. 897,315; Sept. 1; Sp. p. 95; Dr. pp. 23-5; Gaz. vol. 136; p. 18.
- Stebbins, F. E., Washington, D. C. Alcove sleeping-car. No. 897,797; Sept. 1; Sp. p. 1124; Dr. pp. 240-1; Gaz. vol. 136; p. 179.
- Stebbins, F. E., Washington, D. C. Sleeping-car. No. 897,798; Sept. 1; Sp. p. 1133; Dr. pp. 241-3; Gaz. vol. 136; p. 180.
- Stebbins, G. A., Watertown, N. Y. Sulfur-burner. No. 906,574; Dec. 15; Sp. p. 2828; Gaz. vol. 137; p. 1512.
- Stebbins, H. A., Malden, Mass., assignor to Sub-Target Gun Company, Saco, Me. Target-practice apparatus. No. 900,607; Oct. 6; Sp. p. 1150; Dr. pp. 235-6; Gaz. vol. 136; p. 1249.
- Stebbins, W. K. (See Zillgitt and Stebbins.)
- Stebbins, W. M., Montague, assignor to Millers Falls Company, Millers Falls, Mass. Hacksaw. No. 878,160; Feb. 4; Sp. p. 525; Dr. p. 113; Gaz. vol. 132; p. 936.
- Steber, B. T., assignor to Steber Machine Company, Utica, N. Y. Dial knitting-machine. No. 885,304; Apr. 21; Sp. p. 3367; Dr. p. 704; Gaz. vol. 133; p. 1755.
- Steber Machine Company. (See Steber, B. T., assignor.)
- Stebler, F., *et al.* (See Strain, R., assignor.)
- Stebler, F., *et al.* (See Urquhart, J. H., assignor.)
- Stecher, C. (See Lewis and Stecher.)
- Stecher, C., Chicago, Ill. Flanging-machine. No. 877,135; Jan. 21; Sp. p. 2988; Dr. pp. 646-7; Gaz. vol. 132; p. 553.
- Steckel, A. P., Buffalo, N. Y. Electrical clutch or the like. No. 896,868; Aug. 25; Sp. p. 4189; Dr. p. 897; Gaz. vol. 135; p. 1647.
- Steckel, W. J., assignor to Joliet Manufacturing Company, Joliet, Ill. Feed-regulator for corn-shellers. No. 885,881; Apr. 28; Sp. p. 4550; Dr. p. 954; Gaz. vol. 133; p. 2001.
- Steckelberg, C. F., Lincoln, Nebr. Chin-rest for violins and violas. No. 883,755; Apr. 7; Sp. p. 148; Dr. p. 27; Gaz. vol. 133; p. 1217.
- Stedman, G. M., Aurora, Ind. Grinding-machine. No. 889,555; June 2; Sp. p. 732; Dr. pp. 168-9; Gaz. vol. 134; p. 1174.
- Stedman, P. H., Newport, R. I. Dipping-needle. No. 887,140; May 12; Sp. p. 1588; Dr. p. 337; Gaz. vol. 134; p. 292.
- Stedman, W. H., Hartford, Conn. Controlling device for feed mechanisms. No. 893,205; July 14; Sp. p. 1658; Dr. p. 350; Gaz. vol. 135; p. 299.
- Steed, I. P., assignor to W. L. Lester and W. W. Hall, Ashland, Ky. Clothes-line prop. No. 907,094; Dec. 15; Sp. p. 3790; Gaz. vol. 137; p. 1675.
- Steefel, Strauss and Connor. (See Connor and Hess, assignors.)
- Steel, E. A., assignor to Farrand Company, Detroit, Mich. Detachable automatic action for pianos. No. 883,252; Mar. 31; Sp. p. 5508; Dr. p. 1174; Gaz. vol. 133; p. 1029.
- Steel, E. A., assignor to Ferrand Company, Detroit, Mich. Pneumatic-action for musical instruments. No. 894,546; July 28; Sp. p. 4530; Dr. p. 938; Gaz. vol. 135; p. 791.
- Steel Gain Manufacturing Company. (See Humiston, J. M., assignor.)
- Steel Gain Manufacturing Company. (See Miller, K. B., assignor.)
- Steel Gain Manufacturing Company. (See Short, E. C., assignor.) (Reissue.)
- Steel Heddle Manufacturing Company. (See Fehr, W., assignor.)

Alphabetical list of patentees—Continued.

- Steel, J., Little Falls, N. J., assignor to Hektograph Co. Coupon-cutting shears. No. 893,669; July 21; Sp. p. 2629; Dr. p. 550; Gaz. vol. 135; p. 482.
- Steel, J. L., Chillicothe, Ohio. Wrench. No. 906,326; Dec. 8; Sp. p. 2382; Gaz. vol. 137; p. 1408.
- Steel, J. M., Waialua, Hawaii. Feeder for sugar-cane mills. No. 880,832; Mar. 3; Sp. p. 710; Dr. p. 149; Gaz. vol. 133; p. 120.
- Steel, J. R. (See Huhn, J. H., assignor.)
- Steele, A. G., Dixie, Ga. Standard-fender for plows. No. 892,564; July 7; Sp. p. 324; Dr. p. 71; Gaz. vol. 135; p. 61.
- Steele, A. H., Worcester, Mass., assignor, by mesne assignments, to Crompton & Knowles Loom Works. Individual take-up mechanism for narrow-ware looms. No. 876,407; Jan. 14; Sp. p. 1444; Dr. p. 310; Gaz. vol. 132; p. 268.
- Steele, A. W., Salt Lake City, Utah. Window-sash lock. No. 895,808; Aug. 11; Sp. p. 2081; Dr. p. 440; Gaz. vol. 135; p. 1258.
- Steele, B. M., assignor to Ben Steele Weigher Manufacturing Company, Peoria, Ill. Spout-support. No. 878,906; Feb. 11; Sp. p. 2115; Dr. p. 441; Gaz. vol. 132; p. 1214.
- Steele, B. M., and C. L. Gardner, assignors to Ben Steele Weigher Manufacturing Company, Peoria, Ill. Grain-weighing machine. No. 896,670; Aug. 18; Sp. p. 3742; Dr. pp. 806-7; Gaz. vol. 135; p. 1556.
- Steele, D. R., assignor of one-half to H. D. Harvey, Baltimore, Md. Furnace-tilting mechanism. No. 900,043; Sept. 29; Sp. p. 5614; Dr. p. 1198; Gaz. vol. 136; p. 1034.
- Steele, E., Penrhynedraeth, England, assignor to M. S. von Goltzheim, New York, N. Y. Producing plastic explosives. No. 902,619; Nov. 3; Sp. p. 175; Gaz. vol. 137; p. 29.
- Steele, E. G. (See Sutton and Steele.)
- Steele, E. J., North Braddock, Pa. Combination plow and harrow. No. 894,076; July 21; Sp. p. 3546; Dr. p. 727; Gaz. vol. 135; p. 618.
- Steele, E. W., *et al.* (See Thomas, M. E., assignor.)
- Steele, F. N., Ottawa, Kans. Disk-harrow truck. No. 889,057; May 26; Sp. p. 5496; Dr. p. 1168; Gaz. vol. 134; p. 982.
- Steele, G., assignor of one-half to F. L. Eaton, Sioux City, Iowa. Draft-regulator for boiler-furnaces. No. 892,565; July 7; Sp. p. 325; Dr. pp. 71-2; Gaz. vol. 135; p. 61.
- Steele, H. A., *et al.* (See Bowler, H. S., assignor.)
- Steele, H. G., and J. J. Willy, Kansas City, Mo. Gas heating apparatus. No. 888,547; May 26; Sp. p. 4449; Dr. p. 942; Gaz. vol. 134; p. 815.
- Steele, H. H. (See Barney and Steele.)
- Steele, H. H., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 877,608; Jan. 28; Sp. p. 3954; Dr. pp. 854-5; Gaz. vol. 132; p. 729.
- Steele, H. H., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 878,161; Feb. 4; Sp. p. 528; Dr. p. 113; Gaz. vol. 132; p. 936.
- Steele, H. H., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 878,162; Feb. 4; Sp. p. 534; Dr. pp. 114-15; Gaz. vol. 132; p. 937.
- Steele, H. H., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 878,163; Feb. 4; Sp. p. 548; Dr. pp. 115-16; Gaz. vol. 132; p. 937.
- Steele, H. H., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 878,573; Feb. 11; Sp. p. 1453; Dr. pp. 296-7; Gaz. vol. 132; p. 1107.
- Steele, H. H., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 878,574; Feb. 11; Sp. p. 1463; Dr. pp. 297-8; Gaz. vol. 132; p. 1108.
- Steele, H. H., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 892,627; July 7; Sp. p. 450; Dr. pp. 97-8; Gaz. vol. 135; p. 82.
- Steele, H. H., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 905,013; Nov. 24; Sp. p. 5112; Gaz. vol. 137; p. 911.
- Steele, H. H., Marcellus, assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 880,591; Mar. 3; Sp. p. 205; Dr. pp. 44-5; Gaz. vol. 133; p. 37.
- Steele, H. H., Watertown, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 902,012; Oct. 27; Sp. p. 4078; Dr. p. 828; Gaz. vol. 136; p. 1801.
- Steele, J. H., *et al.* (See Neale, C. C., assignor.)
- Steele, J. M., Fayette City, Pa. Railway-rail joint. No. 876,107; Jan. 7; Sp. p. 825; Dr. p. 177; Gaz. vol. 132; p. 140.
- Steele, L. C., Pittsburg, Pa. Opening sheet-metal packs. No. 907,193; Dec. 22; Sp. p. 4023; Gaz. vol. 137; p. 1744.
- Steele, L. C., Wheeling, W. Va., assignor to L. E. Curtis, Chicago, Ill. Rolls for cutting sheet metal. No. 878,472; Feb. 4; Sp. p. 1169; Dr. p. 237; Gaz. vol. 132; p. 1039.
- Steele, L. J. (See Philip and Steele.)
- Steele, O. C., *et al.* (See Bell, E. T., assignor.)
- Steele, R. G., assignor of one-half to T. B. Edington, Rutherford, Cal. Gold-saving apparatus. No. 899,271; Sept. 22; Sp. p. 4032; Dr. p. 861; Gaz. vol. 136; p. 747.
- Steele, S. E., Pittsburg, Pa. Wall-socket base. No. 907,194; Dec. 22; Sp. p. 4024; Gaz. vol. 137; p. 1744.
- Steele, T. A., assignor of one-half to E. P. Durr, Point Marion, Pa. Vending-machine. No. 885,965; Apr. 28; Sp. p. 4743; Dr. p. 996; Gaz. vol. 133; p. 2030.
- Steele, T. F., New Orleans, La. Label for cotton-bales. No. 886,086; Apr. 28; Sp. p. 4978; Dr. p. 1047; Gaz. vol. 133; p. 2068.
- Steele, W. F., *et al.* (See Bowler, H. S., assignor.)
- Steele, W. F., New York, N. Y. Combined producer-gas and carbureting system. No. 897,799; Sept. 1; Sp. p. 1140; Dr. p. 243; Gaz. vol. 136; p. 180.
- Steele, W. J. (See Phipps and Steele.)
- Steele, W. L., *et al.* (See Sutton and Steele.)
- Steely, H. G., Washington, D. C., assignor to Higgin Manufacturing Company, Newport, Ky. Window-screen. No. 885,097; Apr. 21; Sp. p. 2913; Dr. p. 618; Gaz. vol. 133; p. 1716.
- Steen, W. B., Millcreek township, Erie county, Pa. Hose-coupling. No. 898,017; Sept. 8; Sp. p. 1607; Dr. p. 343; Gaz. vol. 136; p. 284.
- Steenken, W., Brooklyn, N. Y., assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Automatic weighing-scale. No. 879,336; Feb. 18; Sp. p. 2947; Dr. p. 615; Gaz. vol. 132; p. 1394.
- Steese, M. C., Steubenville, Ohio. Casting apparatus. No. 883,253; Mar. 31; Sp. p. 5509; Dr. p. 1174; Gaz. vol. 133; p. 1030.
- Steese, M. C., Steubenville, Ohio. Hose and pipe coupling. No. 887,864; May 19; Sp. p. 3116; Dr. p. 653; Gaz. vol. 134; p. 562.
- Stehling, J. J., Milwaukee, Wis. Stirring mechanism. No. 904,655; Nov. 24; Sp. p. 4358; Gaz. vol. 137; p. 791.
- Stehling, J. J., and F. Brenner, Milwaukee, Wis. Flexible roll for leather-splitting machines. No. 905,111; Nov. 24; Sp. p. 5299; Gaz. vol. 137; p. 944.
- Steiber, C. F., New York, N. Y. Built-up post. No. 899,349; Sept. 22; Sp. p. 4160; Dr. p. 890; Gaz. vol. 136; p. 772.
- Steiff, F., Giengen, Germany. Toy in form of an animal. No. 898,018; Sept. 8; Sp. p. 1608; Dr. p. 343; Gaz. vol. 136; p. 284.
- Steiger, A. W., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 899,848; Sept. 29; Sp. p. 5193; Dr. pp. 1112-13; Gaz. vol. 136; p. 972.
- Steiger, C., Bendlikon, near Zurich, Switzerland. Screw-propeller. No. 904,656; Nov. 24; Sp. p. 4360; Gaz. vol. 137; p. 791.
- Steiger, J. R., Neuenkirchen, Austria-Hungary. Automatic lubricator for shaft-bearings. No. 877,962; Feb. 4; Sp. p. 132; Dr. p. 29; Gaz. vol. 132; p. 871.
- Steil, C. P., assignor to H. Steil, Milwaukee, Wis. Antisnoring-shield. No. 885,196; Apr. 21; Sp. p. 3148; Dr. p. 661; Gaz. vol. 133; p. 1750.
- Steil, H. (See Steil, C. P., assignor.)
- Stein, A., London, England. Mixing-machine. No. 876,408; Jan. 14; Sp. p. 1445; Dr. p. 311; Gaz. vol. 132; p. 268.
- Stein, B., assignor to Dehls & Stein, Inc., New York, N. Y. Fodder for horses and other animals. No. 907,910; Dec. 29; Sp. p. 5526; Gaz. vol. 137; p. 2012.
- Stein, C., Chicago, Ill. Ventilating device. No. 893,670; July 21; Sp. p. 2630; Dr. p. 550; Gaz. vol. 135; p. 482.
- Stein, G. W., Washington, D. C. Fly-escape. No. 877,250; Jan. 21; Sp. p. 3234; Dr. p. 700; Gaz. vol. 132; p. 593.
- Stein, G. W., Chicago, Ill. Fly-escape. No. 898,281; Sept. 8; Sp. p. 2114; Dr. p. 449; Gaz. vol. 136; p. 366.
- Stein, H. E. (See Smith and Stein.)
- Stein, J. (See Blum and Stein.)
- Stein, J. (See Müller and Stein.)
- Stein, J. A. (See Baker and Stein.)
- Stein, J. M., Washington, D. C. Presser-form for garments. No. 879,017; Feb. 11; Sp. p. 2315; Dr. p. 484; Gaz. vol. 132; p. 1249.
- Stein, J. M., Washington, D. C. Apparatus for pressing and forming garments. No. 889,824; June 2; Sp. p. 1232; Dr. p. 285; Gaz. vol. 134; p. 1259.
- Stein, J. M., Washington, D. C. Shoulder-presser form. No. 897,422; Sept. 1; Sp. p. 378; Dr. pp. 79-80; Gaz. vol. 136; p. 59.
- Stein, L., Passaic, N. J. Sheet-metal roofing. No. 892,693; July 7; Sp. p. 586; Dr. p. 126; Gaz. vol. 135; p. 103.
- Stein, P. F., New York, assignor of two-thirds to A. M. Piel and G. C. Schneider, Brooklyn, N. Y. Apparatus for cutting plate-ice. No. 904,569; Nov. 24; Sp. p. 4190; Gaz. vol. 137; p. 763.
- Stein, R. R., Seattle, Wash. Soldering-copper. No. 880,048; Feb. 25; Sp. p. 4473; Dr. p. 939; Gaz. vol. 132; p. 1660.

Alphabetical list of patentees—Continued.

- Stein, R. R., Seattle, Wash. Expansion-wheel. No. 904,025; Nov. 17; Sp. p. 3022; Gaz. vol. 137; p. 551.
- Steinbach, K. (See Buch and Steinbach.)
- Steinbart, A., Pittsburg, assignor of one-half to G. L. Collard, Clairton, Pa. Smelting ore. No. 887,974; May 19; Sp. p. 3323; Dr. pp. 698-9; Gaz. vol. 134; p. 599.
- Steinbecker, C. (See Oechelhauser and Steinbecker.)
- Steinberg, J., Pittsburg, Pa. Coffee-steepers. No. 900,128; Oct. 6; Sp. p. 126; Dr. p. 26; Gaz. vol. 136; p. 1092.
- Steinberg, S., New York, N. Y. Easel-frame. No. 889,982; June 9; Sp. p. 1562; Dr. p. 352; Gaz. vol. 134; p. 1338.
- Steinberger, G. (See Miller and Steinberger.)
- Steinberger, L., New York, N. Y. Insulator for heavy conductors. No. 877,804; Jan. 28; Sp. p. 4304; Dr. p. 934; Gaz. vol. 132; p. 791.
- Steinberger, L., New York, N. Y. Insulator for high-tension currents. No. 879,068; Feb. 11; Sp. p. 2403; Dr. p. 503; Gaz. vol. 132; p. 1264.
- Steinberger, L., New York, N. Y. Receiver for telephones. No. 884,235; Apr. 7; Sp. p. 1163; Dr. p. 245; Gaz. vol. 133; p. 1376.
- Steinberger, L., New York, N. Y. Insulator for heavy currents. No. 885,678; Apr. 21; Sp. p. 4122; Dr. p. 863; Gaz. vol. 133; p. 1903.
- Steinberger, L., New York, N. Y. Insulating-bushing. No. 904,369; Nov. 17; Sp. p. 3756; Gaz. vol. 137; p. 668.
- Steinberger, L., New York, N. Y. Disk strain-insulator. No. 904,370; Nov. 17; Sp. p. 3758; Gaz. vol. 137; p. 669.
- Steinberger, L., New York, N. Y. Flexible suspension for conductors. No. 905,014; Nov. 24; Sp. p. 5116; Gaz. vol. 137; p. 911.
- Steineman, W. A., Los Angeles, Cal. Drafting-pen cleaner. No. 876,024; Jan. 7; Sp. p. 657; Dr. p. 140; Gaz. vol. 132; p. 113.
- Steiner, A., assignor to Chemical Works, formerly Sandoz, Basel, Switzerland. Making camphene. No. 890,465; June 9; Sp. p. 2544; Gaz. vol. 134; p. 1495.
- Steiner, A., assignor to Chemical Works, formerly Sandoz, Basel, Switzerland. Gallocyanin dye and making same. No. 901,657; Oct. 20; Sp. p. 3318; Gaz. vol. 136; p. 1653.
- Steiner, C., St. Ludwig, Germany. Securing device for writing-tables. No. 887,141; May 12; Sp. p. 1590; Dr. pp. 337-8; Gaz. vol. 134; p. 292.
- Steiner, C. R., Gridley Colony No. 8, Cal. Reinforced concrete construction. No. 903,909; Nov. 17; Sp. p. 2792; Gaz. vol. 137; p. 513.
- Steiner, J. C., St. Louis, Mo. Portable support and power mechanism. No. 883,984; Apr. 7; Sp. p. 644; Dr. p. 129; Gaz. vol. 133; p. 1294.
- Steiner, K. J., Pittsburg, Pa. Heat-radiator for hydrocarbon and other heat motors. No. 883,756; Apr. 7; Sp. p. 149; Dr. p. 27; Gaz. vol. 133; p. 1218.
- Steiner, M., Newark, N. J. Radiator for automobiles. No. 877,609; Jan. 28; Sp. p. 3963; Dr. p. 855; Gaz. vol. 132; p. 730.
- Steiner, M., Newark, N. J. Radiator for automobiles. No. 891,302; June 23; Sp. p. 4287; Dr. p. 936; Gaz. vol. 134; p. 1836.
- Steiner, O., Crefeld, Germany. Obtaining pure tin from crude tin or tin alloys electrolytically. No. 890,249; June 9; Sp. p. 2122; Dr. p. 406; Gaz. vol. 134; p. 1428.
- Steiner, R. J., assignor to Salt's Textile Manufacturing Company, Bridgeport, Conn. Knit fabric and making same. No. 886,886; May 5; Sp. p. 1109; Dr. p. 232; Gaz. vol. 134; p. 182.
- Steingässer, J. L., Mombach, near Mainz, Germany. Universally-extensible tool-shaft. No. 899,082; Sept. 22; Sp. p. 3628; Dr. p. 777; Gaz. vol. 136; p. 685.
- Steinhardt, S. C., New York, N. Y., and J. T. Neff, East Orange, N. J. Game device. No. 907,421; Dec. 22; Sp. p. 4487; Gaz. vol. 137; p. 1822.
- Steinhauer, G. B., *et al.* (See Shapley, R. R., assignor.)
- Steinhauer, P., St. Louis, Mo. Differential gear. No. 876,501; Jan. 14; Sp. p. 1649; Dr. p. 357; Gaz. vol. 132; p. 301.
- Steinhaus, E. E., Chicago, Ill. Dirigible flying-machine. No. 899,350; Sept. 22; Sp. p. 4161; Dr. p. 891; Gaz. vol. 136; p. 772.
- Steinhauser, G. E. (See Braun, A., assignor.)
- Steinkamp, H. A., St. Louis, Mo. Audible-signal device for lathes. No. 896,419; Aug. 18; Sp. p. 3268; Dr. p. 701; Gaz. vol. 135; p. 1477.
- Steinke, B. A. (See Ebinger and Steinke.)
- Steinke, B. A., Botkins, Ohio. Railway-tie. No. 893,030; July 14; Sp. p. 1311; Dr. p. 275; Gaz. vol. 135; p. 244.
- Steinl, G., Chicago, Ill. Furnace for the production of gas. No. 877,610; Jan. 28; Sp. p. 3964; Dr. pp. 855-6; Gaz. vol. 132; p. 730.
- Steinle, E. M. (See Steinle, W. J. and E. M.)
- Steinle, W. J. and E. M., Chicago, Ill. Variable-speed and reversing mechanism. No. 892,325; June 30; Sp. p. 6350; Dr. pp. 1369-70; Gaz. vol. 134; p. 2204.
- Steinman, B., Scranton, Pa. Device for closing gates and doors. No. 899,920; Sept. 29; Sp. p. 5322; Dr. pp. 1137-8; Gaz. vol. 136; p. 993.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Reactive coil. No. 883,919; Apr. 7; Sp. p. 504; Dr. p. 100; Gaz. vol. 133; p. 1272.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Bucket for turbines. No. 885,098; Apr. 21; Sp. p. 2915; Dr. p. 618; Gaz. vol. 133; p. 1717.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Starting device for mercury-lamps. No. 885,882; Apr. 28; Sp. p. 4552; Dr. p. 954; Gaz. vol. 133; p. 2001.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Monocyclic system of electric distribution. No. 888,362; May 19; Sp. p. 4054; Dr. p. 855; Gaz. vol. 134; p. 722.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Regulation of dynamo-electric machines. No. 890,722; June 16; Sp. p. 3109; Dr. p. 682; Gaz. vol. 134; p. 1614.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. No. 891,383; June 23; Sp. p. 4459; Dr. p. 971; Gaz. vol. 134; p. 1863.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Electric-arc lamp. No. 892,768; July 7; Sp. p. 733; Dr. p. 155; Gaz. vol. 135; p. 127.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Apparatus for manufacturing nitrous compounds. No. 894,547; July 28; Sp. p. 4531; Dr. p. 939; Gaz. vol. 135; p. 791.
- Steinmetz, C. P., Schenectady, N. Y., assignor to General Electric Company. Lightning-arrester. No. 897,800; Sept. 1; Sp. p. 1143; Dr. p. 243; Gaz. vol. 136; p. 181.
- Steinmetz, C. P., and J. T. H. Dempster, Schenectady, N. Y., assignors to General Electric Company. Arc-lamp. No. 896,698; Aug. 18; Sp. p. 3808; Dr. p. 823; Gaz. vol. 135; p. 1565.
- Steinmetz, S., Kreuznach, Germany. Husking-machine. No. 875,863; Jan. 7; Sp. p. 344; Dr. p. 77; Gaz. vol. 132; p. 64.
- Steirly, J. C. R., assignor to L. J. Roess, Oil City, Pa. Clothes-line holder. No. 900,608; Oct. 6; Sp. p. 1158; Dr. p. 236; Gaz. vol. 136; p. 1250.
- Steitz, L. H. (See Anderson, J. B., assignor.)
- Stem, E., Spokane, Wash. Rail-fastener. No. 901,658; Oct. 20; Sp. p. 3320; Dr. p. 682; Gaz. vol. 136; p. 1654.
- Stemmer, H. A., St. Louis, Mo. Evaporating-pan and holder. No. 907,195; Dec. 22; Sp. p. 4026; Gaz. vol. 137; p. 1745.
- Stenberg, H. C., Shyenne, N. D. Door-fastener. No. 897,423; Sept. 1; Sp. p. 381; Dr. p. 80; Gaz. vol. 136; p. 59.
- Stendahl, K. L., assignor to Hurwood Manufacturing Company, Bridgeport, Conn. Tubular lantern. No. 898,393; Sept. 8; Sp. p. 2315; Dr. pp. 492-3; Gaz. vol. 136; p. 403.
- Stendebach, F., Leipzig-Gohlis, Germany. Firearm with drop-down barrel. No. 895,067; Aug. 4; Sp. p. 565; Dr. p. 116; Gaz. vol. 135; p. 987.
- Stender, W., Streator, Ill. Bottle-conveyor. No. 878,684; Feb. 11; Sp. p. 1685; Dr. p. 348; Gaz. vol. 132; p. 1144.
- Steneck, J. R., Oak Park, assignor to Illinois Malleable Iron Company, Chicago, Ill. Union. No. 883,122; Mar. 24; Sp. p. 5234; Dr. p. 1116; Gaz. vol. 133; p. 956.
- Stengel, A. W., assignor to H. D. Taylor Company, Buffalo, N. Y. Bow-separator for carriage-tops. No. 906,327; Dec. 8; Sp. p. 2382; Gaz. vol. 137; p. 1408.
- Stenius, C. A., South Bend, Ind. Jar. No. 908,165; Dec. 29; Sp. p. 6057; Gaz. vol. 137; p. 2097.
- Stensland, P. O. (See Boedecker, L. F., assignor.)
- Stenz, A. (See Stenz, G. W., assignor.)
- Stenz, G. W., assignor of one-third to A. Stenz, Ashland, Wis. Meat-cutting machine. No. 908,348; Dec. 29; Sp. p. 6454; Gaz. vol. 137; p. 2161.
- Stephan, K., and P. Hunsalz, assignors to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Manufacturing dialkyl-barbituric acids. No. 879,499; Feb. 18; Sp. p. 3302; Gaz. vol. 132; p. 1447.
- Stephen, W. C., St. Louis, Mo. Weight-compensator. No. 875,963; Jan. 7; Sp. p. 536; Dr. p. 115; Gaz. vol. 132; p. 94.
- Stephens, A. F. H., Camborne, England. Means for automatically weighing powdery substances. No. 890,190; June 9; Sp. p. 2002; Dr. p. 441; Gaz. vol. 134; p. 1409.
- Stephens, A. W., Waltham, Mass. Cigar-tip perforator. No. 889,556; June 2; Sp. p. 733; Dr. p. 169; Gaz. vol. 134; p. 1174.
- Stephens, B. E., assignor to Sanitary Hair Goods Co., Chicago, Ill. Sanitary hair-pin holder. No. 897,672; Sept. 1; Sp. p. 874; Dr. p. 187; Gaz. vol. 136; p. 139.
- Stephens, C. D., Chicago, Ill. Apparatus for treating grain. No. 886,887; May 5; Sp. p. 1111; Dr. p. 232; Gaz. vol. 134; p. 182.
- Stephens, E. L. (See Stephens, L. and E. L.)
- Stephens, E. T., Toronto, Ontario, Canada. Portable stretching device. No. 906,828; Dec. 15; Sp. p. 3301; Gaz. vol. 137; p. 1592.
- Stephens, F. A., Dunkirk, N. Y. Automobile. No. 901,493; Oct. 20; Sp. p. 3007; Dr. pp. 613-14; Gaz. vol. 136; p. 1602.
- Stephens, H. H. (See Goldman and Stephens.)

Alphabetical list of patentees—Continued.

- Stephens, L. and E. L., Macksburg, Ohio. Rope-grab. No. 881,736; Mar. 10; Sp. p. 2474; Dr. p. 532; Gaz. vol. 133; p. 441.
- Stephens, L. E., Fullerton, Cal. Casing-perforator. No. 904,657; Nov. 24; Sp. p. 4361; Gaz. vol. 137; p. 792.
- Stephens, S. B. (See Fleming, E., assignor.)
- Stephens, S. J., Cainsville, Mo. Envelop. No. 906,958; Dec. 15; Sp. p. 3556; Gaz. vol. 137; p. 1633.
- Stephens, W., Ironwood, Mich. Candlestick. No. 904,732; Nov. 24; Sp. p. 4521; Gaz. vol. 137; p. 817.
- Stephenson, B. S., Brooklyn, N. Y. Ear-trumpet. No. 900,226; Oct. 6; Sp. p. 316; Dr. pp. 64-5; Gaz. vol. 136; p. 1124.
- Stephenson & Co. (See Kahn, N. E., assignor.)
- Stephenson, G. W., Oklahoma, Okla. Photographic device. No. 893,396; July 14; Sp. p. 2010; Dr. p. 422; Gaz. vol. 135; p. 362.
- Stephenson, J. F., Glenferrie, Victoria, Australia. Combination bedstead and mattress. No. 899,351; Sept. 22; Sp. p. 4164; Dr. p. 891; Gaz. vol. 136; p. 773.
- Stephenson, L. T., deceased, Trinidad, Colo.; A. E. Wade, administratrix. Rail-joint. No. 897,172; Aug. 25; Sp. p. 4828; Dr. p. 1027; Gaz. vol. 135; p. 1746.
- Stephenson, M. R. (See Finch, C. W., assignor.)
- Stephenson, W., Hamilton, Ontario, Canada. Threshing-machine. No. 897,030; Aug. 25; Sp. p. 4561; Dr. p. 973; Gaz. vol. 135; p. 1701.
- Stephenson, W. M., Batson, Tex. Well-pumping apparatus. No. 899,921; Sept. 29; Sp. p. 5324; Dr. pp. 1138-9; Gaz. vol. 136; p. 994.
- Stepney Spare Motor Wheel. (See Davies, T. M. and W., assignor.)
- Steppe, J. P., *et al.* (See Sternau, Steppe, and Strassburger.)
- Sterba, J., Midland, S. D. Ball-caster. No. 905,383; Dec. 1; Sp. p. 509; Gaz. vol. 137; p. 1070.
- Sterken, G. W. and H., Rock Valley, Iowa. Attachment for seed-planters. No. 888,764; May 26; Sp. p. 4895; Dr. p. 1043; Gaz. vol. 134; p. 886.
- Sterken, H. (See Sterken, G. W. and H.)
- Sterling Blower & Pipe Mfg. Co. (See Christoph. G. W., assignor.)
- Sterling, D. I., Berea, assignor to Cleveland Stone Company, Cleveland, Ohio. Folding grindstone-frame. No. 887,865; May 19; Sp. p. 3117; Dr. pp. 653-4; Gaz. vol. 134; p. 563.
- Sterling Electric Company. (See Wells, B. O., assignor.)
- Sterling, F. H., Clerkenwell, London, England. Bag, parcel, and box fastener. No. 894,548; July 28; Sp. p. 4534; Dr. p. 939; Gaz. vol. 135; p. 792.
- Sterling Manufacturing Company. (See Burns, E. A., assignor.)
- Sterling, R. H., Watsonville, Cal. Long-distance recording-indicator for reciprocating devices. No. 880,592; Mar. 3; Sp. p. 216; Dr. p. 45; Gaz. vol. 133; p. 37.
- Sterling Seal Company. (See Godman, E. J., assignor.)
- Sterling, W. J. (See Hancock and Sterling.)
- Sterling, W. W. (See Schmieder, J. R., assignor.)
- Sterling Wheelbarrow Company. (See Baker, C. A., assignor.)
- Stern, G. (See Fleischmann and Stern.)
- Stern, I., *et al.* (See Ehrlich, F., assignor.)
- Stern, J. N., Falun, assignor of one-half to H. T. Tillquist, Stockholm, Sweden. Steam-superheater. No. 886,087; Apr. 28; Sp. p. 4979; Dr. p. 1047; Gaz. vol. 133; p. 2068.
- Stern, L. M., *et al.* (See Ecker, M., assignor.)
- Stern, M. C. (See Schirmer and Stern.)
- Sternau & Co., S. (See Sternau, Steppe, and Strassburger, assignors.)
- Sternau & Company, S. (See Nelson, C., assignor.)
- Sternau & Company, S. (See Voska and Nelson, assignors.)
- Sternau, S. J., F. Steppe, and L. Strassburger, assignors to S. Sternau & Co., New York, N. Y. Coffee-machine. No. 903,801; Nov. 10; Sp. p. 2536; Gaz. vol. 137; p. 443.
- Sternberg, E. M., Milwaukee, Wis. Transmission-gear. No. 900,792; Oct. 13; Sp. p. 1534; Dr. p. 312; Gaz. vol. 136; p. 1335.
- Sternberg, L. H., Brooklyn, N. Y. Advertising character. No. 906,959; Dec. 15; Sp. p. 3557; Gaz. vol. 137; p. 1633.
- Sternberg, W., Milwaukee, Wis. Cigar-buncher. No. 879,597; Feb. 18; Sp. p. 3520; Dr. p. 737; Gaz. vol. 132; p. 1478.
- Sternbergh, L. M., Paterson, N. J. Photographic camera. No. 878,250; Feb. 4; Sp. p. 737; Dr. p. 149; Gaz. vol. 132; p. 966.
- Sternier, F. J., Baltimore, Md. Railway-chair. No. 881,737; Mar. 10; Sp. p. 2475; Dr. p. 532; Gaz. vol. 133; p. 441.
- Sterns, E. L., *et al.* (See Leen, J. D., assignor.)
- Sterns, J. B. (See Ferguson, W. S., assignor.)
- Sterns, S., *et al.* (See Leen, J. D., assignor.)
- Sterrett, S. E., Paterson, N. J. Sash-fastener. No. 887,354; May 12; Sp. p. 2077; Dr. p. 435; Gaz. vol. 134; p. 364.
- Sterrick, H. D., Pittsburg, Pa. Toy mask. No. 885,802; Apr. 28; Sp. p. 4399; Dr. p. 921; Gaz. vol. 133; p. 1974.
- Stetler, D. E., Medford, Okla. Gate-hinge. No. 880,340; Feb. 25; Sp. p. 5042; Dr. p. 1064; Gaz. vol. 132; p. 1756.
- Stetler, D. E., Medford, Okla. Gate. No. 884,533; Apr. 14; Sp. p. 1750; Dr. p. 376; Gaz. vol. 133; p. 1501.
- Stetna, A. T., Wheaton, Kans. Rail-frog. No. 908,349; Dec. 29; Sp. p. 6456; Gaz. vol. 137; p. 2161.
- Stetson, G. R. (See Bullard, C. E., assignor.)
- Stettler, W. W., Allentown, Pa. Level and plumb-rule. No. 895,311; Aug. 4; Sp. p. 1091; Dr. p. 229; Gaz. vol. 135; p. 1074.
- Steuben, W. E., Visalia, Cal. Lawn-mower. No. 900,443; Oct. 6; Sp. p. 783; Dr. p. 162; Gaz. vol. 136; p. 1196.
- Steubing, W., Cincinnati, Ohio. Machine for cutting and mounting sheet-metal strips. No. 883,838; Apr. 7; Sp. p. 342; Dr. pp. 65-6; Gaz. vol. 133; p. 1245.
- Stevens, A. L. (See Perry and Stevens.)
- Stevens, A. R., Belmont, Ohio. Machine for topping beets. No. 887,975; May 19; Sp. p. 3325; Dr. p. 699; Gaz. vol. 134; p. 599.
- Stevens, B., Oakland, Cal. Turbine-motor. No. 882,127; Mar. 17; Sp. p. 3283; Dr. p. 700; Gaz. vol. 133; p. 598.
- Stevens, B. D. (See Lane and Stevens.)
- Stevens, B. D., assignor to Berlin Machine Works, Beloit, Wis. Band-saw-tensioning device. No. 879,500; Feb. 18; Sp. p. 3303; Dr. p. 691; Gaz. vol. 132; p. 1447.
- Stevens, B. D., assignor to Berlin Machine Works, Beloit, Wis. Variable-speed mechanism. No. 881,086; Mar. 3; Sp. p. 1185; Dr. p. 257; Gaz. vol. 133; p. 201.
- Stevens, B. D., assignor to Berlin Machine Works, Beloit, Wis. Driving mechanism for planers. No. 888,765; May 26; Sp. p. 4896; Dr. p. 1043; Gaz. vol. 134; p. 887.
- Stevens, C. B., Cumberland, Ohio. Gate. No. 905,603; Dec. 1; Sp. p. 989; Gaz. vol. 137; p. 1141.
- Stevens, C. E., East Orange, N. J. Hat-block. No. 899,141; Sept. 22; Sp. p. 3746; Dr. pp. 802-3; Gaz. vol. 136; p. 706.
- Stevens, C. W., New York, N. Y. Spring-mattress. No. 892,566; July 7; Sp. p. 327; Dr. p. 72; Gaz. vol. 135; p. 62.
- Stevens, C. W., New York, N. Y. Wire hat-frame. No. 900,129; Oct. 6; Sp. p. 127; Dr. p. 26; Gaz. vol. 136; p. 1093.
- Stevens, C. W., Sidney, Iowa. Railway-spike. No. 906,079; Dec. 8; Sp. p. 1896; Gaz. vol. 137; p. 1325.
- Stevens, D. P., Rio, Wis. Egg-opener. No. 886,266; Apr. 28; Sp. p. 5313; Dr. p. 1118; Gaz. vol. 133; p. 2127.
- Stevens-Duryea Company. (See Duryea and Remington, assignors.)
- Stevens, E., Boulder, Colo. Amalgamator. No. 896,169; Aug. 18; Sp. p. 2754; Dr. pp. 592-3; Gaz. vol. 135; p. 1394.
- Stevens, F. A. (See Hamilton, F., assignor.)
- Stevens, F. A. (See Norden, S., assignor.)
- Stevens, F. A. (See Wilhelm, L., assignor.)
- Stevens, F. A., Providence, R. I. Eyeglasses. No. 885,197; Apr. 21; Sp. p. 3149; Dr. p. 661; Gaz. vol. 133; p. 1750.
- Stevens, F. A., Providence, R. I. Eyeglasses. No. 885,198; Apr. 21; Sp. p. 3150; Dr. p. 661; Gaz. vol. 133; p. 1750.
- Stevens, F. A., Providence, R. I. Eyeglasses. No. 885,199; Apr. 21; Sp. p. 3151; Dr. p. 661; Gaz. vol. 133; p. 1751.
- Stevens, F. A., Providence, R. I. Making bifocal lenses. No. 901,659; Oct. 20; Sp. p. 3321; Dr. p. 652; Gaz. vol. 136; p. 1654.
- Stevens, F. C., assignor to Davis & Furber Machine Company, North Andover, Mass. Spindle-bearing. No. 876,246; Jan. 7; Sp. p. 1085; Dr. p. 237; Gaz. vol. 132; p. 184.
- Stevens, F. C., assignor to Davis & Furber Machine Company, North Andover, Mass. Pulley-sustaining hanger. No. 880,415; Feb. 25; Sp. p. 5205; Dr. p. 1097; Gaz. vol. 132; p. 1781.
- Stevens, F. C., assignor to Davis & Furber Machine Company, North Andover, Mass. Car-truck. No. 880,833; Mar. 3; Sp. p. 711; Dr. p. 150; Gaz. vol. 133; p. 120.
- Stevens, F. M., assignor to Scovill Manufacturing Company, Waterbury, Conn. Float. No. 881,450; Mar. 10; Sp. p. 1910; Dr. p. 415; Gaz. vol. 133; p. 349.
- Stevens, F. M., Waterbury, Conn., assignor to Veroform Hygienic Company. Soap-dispenser. No. 899,812; Sept. 29; Sp. p. 5114; Dr. p. 1094; Gaz. vol. 136; p. 960.
- Stevens, F. M., Waterbury, Conn., and H. G. Cordley, Glenridge, N. J. Self-closing faucet. No. 906,665; Dec. 15; Sp. p. 2988; Gaz. vol. 137; p. 1539.
- Stevens, F. P., assignor of one-half to J. A. Eddy, Denver, Colo. Registering mechanism. No. 888,667; May 26; Sp. p. 4710; Dr. p. 1002; Gaz. vol. 134; p. 856.

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- Stevens, G. C., Chicago, Ill. Twine-holder. No. 880,593; Mar. 3; Sp. p. 219; Dr. p. 46; Gaz. vol. 133; p. 38.
- Stevens, G. E., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 900,793; Oct. 13; Sp. p. 1536; Dr. p. 312; Gaz. vol. 136; p. 1336.
- Stevens, G. E., Lynn, Mass., assignor to General Electric Company. Electric meter. No. 908,427; Dec. 29; Sp. p. 6622; Gaz. vol. 137; p. 2188.
- Stevens, G. H. (See Perry, R. W., assignor.)
- Stevens, G. I., Essex, Conn. Metal-polish. No. 885,542; Apr. 21; Sp. p. 3859; Gaz. vol. 133; p. 1861.
- Stevens, G. J., New Orleans, La. File-case. No. 891,110; June 16; Sp. p. 3882; Dr. p. 849; Gaz. vol. 134; p. 1740.
- Stevens, G. J., Bradford, England, assignor, by mesne assignments, to American Attachment Company, Portland, Me. Attachment for sewing-machines for felling. No. 896,948; Aug. 25; Sp. p. 4369; Dr. pp. 936-7; Gaz. vol. 135; p. 1673.
- Stevens, G. J., London, England, assignor, by mesne assignments, to American Attachment Company, Portland, Me. Attachment for sewing-machines for blindstitching, serging, overseaming, and the like. No. 896,949; Aug. 25; Sp. p. 4373; Dr. p. 937; Gaz. vol. 135; p. 1673.
- Stevens, G. J., London, England, assignor, by mesne assignments, to American Attachment Company, Portland, Me. Combined presser-foot and guide for sewing-machines. No. 902,180; Oct. 27; Sp. p. 4414; Dr. p. 895; Gaz. vol. 136; p. 1854.
- Stevens, G. P., Chicago, Ill. Movable plating apparatus. No. 887,539; May 12; Sp. p. 2468; Dr. p. 521; Gaz. vol. 134; p. 425.
- Stevens, H. E., Macdonaldton, Pa. Wire-suspending device. No. 880,416; Feb. 25; Sp. p. 5206; Dr. p. 1097; Gaz. vol. 132; p. 1781.
- Stevens, H. L., East Orange, N. J. Manufacture of hats. No. 888,200; May 19; Sp. p. 3745; Dr. p. 786; Gaz. vol. 134; p. 670.
- Stevens, I. W., Henry, Ill. Magazine-pipe. No. 906,328; Dec. 8; Sp. p. 2383; Gaz. vol. 137; p. 1408.
- Stevens, J., Washington, D. C. Automatic vehicle-brake. No. 887,283; May 12; Sp. p. 1912; Dr. p. 405; Gaz. vol. 134; p. 338.
- Stevens, J., London, England. Cushion-tire for road-vehicle wheels. No. 888,269; May 19; Sp. p. 3873; Dr. pp. 815-16; Gaz. vol. 134; p. 693.
- Stevens, J. A., Newburyport, Mass. Metal ceiling. No. 895,809; Aug. 11; Sp. p. 2082; Dr. p. 441; Gaz. vol. 135; p. 1258.
- Stevens, L., Glenridge, N. J. Hat-forming device. No. 895,810; Aug. 11; Sp. p. 2083; Dr. p. 441; Gaz. vol. 135; p. 1259.
- Stevens, L. B., Rutherford, N. J. Switch. No. 897,559; Sept. 1; Sp. p. 636; Dr. p. 138; Gaz. vol. 136; p. 103.
- Stevens, M. T., N. S. D., and M. T., Jr. (See Stone, G., assignor.)
- Stevens, R. G., Chicago, Ill. Mailing-folder. No. 892,461; July 7; Sp. p. 141; Dr. p. 30; Gaz. vol. 135; p. 28.
- Stevens, R. H., Munhall, Pa., assignor of one-half to P. T. Berg, Stockholm, Sweden. Dumping-car. No. 897,499; Sept. 1; Sp. p. 529; Dr. p. 112; Gaz. vol. 136; p. 84.
- Stevens, R. H., Chigwell, and T. Hall, Romford, England. Spring for vehicles. No. 878,429; Feb. 4; Sp. p. 1072; Dr. pp. 217-18; Gaz. vol. 132; p. 1025.
- Stevens, R. K., Sidney, Iowa. Neck-yoke attachment. No. 890,723; June 16; Sp. p. 3111; Dr. p. 682; Gaz. vol. 134; p. 1614.
- Stevens, R. L., Hartwell, Ohio. Combination of means for surveying and navigation. No. 876,604; Jan. 14; Sp. p. 1891; Dr. pp. 413-14; Gaz. vol. 132; p. 338.
- Stevens, S. G., Duluth, Minn. Car-tarpaulin. No. 894,759; July 28; Sp. p. 4929; Dr. p. 1027; Gaz. vol. 135; p. 860.
- Stevens, S. G., Duluth, Minn. Preventing moisture-containing material from freezing to the sides of a receptacle. No. 896,595; Aug. 18; Sp. p. 3614; Gaz. vol. 135; p. 1535.
- Stevens, W. J. (See Friend, H., assignor.)
- Stevenson, E. W. (See Buckley and Stevenson.)
- Stevenson, G. M. (See Nelson, E. A., assignor.)
- Stevenson, G. S., Dunedin, New Zealand. Water-wheel. No. 887,142; May 12; Sp. p. 1591; Dr. p. 338; Gaz. vol. 134; p. 292.
- Stevenson, H. M., Barnett, Vt. Curtain-fixture. No. 893,151; Sept. 8; Sp. p. 1873; Dr. p. 400; Gaz. vol. 136; p. 326.
- Stevenson, I., and J. Cook, Port Chalmers, New Zealand. Ore dredging and separating apparatus. No. 878,575; Feb. 11; Sp. p. 1477; Dr. pp. 298-9; Gaz. vol. 132; p. 1108.
- Stevenson, J. A., and L. O. Phillips, New Castle, Pa. Water-closet. No. 879,421; Feb. 18; Sp. p. 3143; Dr. p. 654; Gaz. vol. 132; p. 1422.
- Stevenson, J. O., Oklahoma, Okla. Type-writer attachment. No. 887,143; May 12; Sp. p. 1592; Dr. pp. 338-9; Gaz. vol. 134; p. 293.
- Stevenson Machine Company. (See Kelley, G. L., assignor.)
- Stevenson, R. A., and J. T. Story, assignors to J. T. Story & Co., New York, N. Y. Electric insole. No. 881,087; Mar. 3; Sp. p. 1187; Dr. p. 257; Gaz. vol. 133; p. 202.
- Stevenson, W. M., Indian Orchard, Mass. Woven fabric. No. 905,946; Dec. 8; Sp. p. 1642; Gaz. vol. 137; p. 1283.
- Stevic, T. M., West Toledo, Ohio. Buggy-wrench. No. 877,611; Jan. 28; Sp. p. 3967; Dr. pp. 856-7; Gaz. vol. 132; p. 730.
- Steward, C. S., and W. T. Lowry, assignors to D. M. Steward Manufacturing Company, Chattanooga, Tenn. Machine for making acetylene-gas tips. No. 881,352; Mar. 10; Sp. p. 1717; Dr. pp. 370-1; Gaz. vol. 133; p. 318.
- Steward, G. R., London, England. Apparatus for the rapid generation of steam. No. 875,745; Jan. 7; Sp. p. 130; Dr. p. 29; Gaz. vol. 132; p. 20.
- Stewart, A. (See Stewart, J. S., assignor.)
- Stewart, A., J. McCluskey, and H. G. Reid, North Bay, Ontario, Canada. Starting-valve. No. 892,194; June 30; Sp. p. 6105; Dr. p. 1312; Gaz. vol. 134; p. 2161.
- Stewart, A. C., Los Angeles, Cal. Carbureter. No. 877,136; Jan. 21; Sp. p. 2993; Dr. p. 647; Gaz. vol. 132; p. 554.
- Stewart, A. T., Washington, D. C. Boiler-tube cleaner. No. 881,353; Mar. 10; Sp. p. 1720; Dr. p. 371; Gaz. vol. 133; p. 319.
- Stewart, B. F., Andalusia, Ala. Rotary cultivator or harrow. No. 899,632; Sept. 29; Sp. p. 4741; Dr. p. 1015; Gaz. vol. 136; p. 901.
- Stewart, C., Los Angeles, Cal. Sewing-awl. No. 893,206; July 14; Sp. p. 1661; Dr. p. 351; Gaz. vol. 135; p. 300.
- Stewart, C., New York, N. Y. Lubricating-cup. No. 899,352; Sept. 22; Sp. p. 4165; Dr. p. 892; Gaz. vol. 136; p. 773.
- Stewart, C. R., Spokane, Wash. Parachute-arrow. No. 888,668; May 26; Sp. p. 4712; Dr. p. 1003; Gaz. vol. 134; p. 857.
- Stewart, C. T. (See Rockwood, R. A., assignor.)
- Stewart, C. W., Waynesburg, Pa. Door-securer. No. 892,462; July 7; Sp. p. 143; Dr. p. 31; Gaz. vol. 135; p. 28.
- Stewart, C. W., Brazil, Ind. Drill-shears. No. 908,350; Dec. 29; Sp. p. 6458; Gaz. vol. 137; p. 2162.
- Stewart, D., Chehalis, Wash. Burglary-preventing apparatus. No. 885,200; Apr. 21; Sp. p. 3152; Dr. p. 662; Gaz. vol. 133; p. 1751.
- Stewart, D., Schenectady, assignor to Stewart Wrench and Manufacturing Company, Albany, N. Y. Nut and pipe wrench. No. 892,326; June 30; Sp. p. 6352; Dr. p. 1370; Gaz. vol. 134; p. 2204.
- Stewart, D., Schenectady, assignor to Stewart Wrench and Manufacturing Company, Albany, N. Y. Nut and pipe wrench. No. 892,327; June 30; Sp. p. 6356; Dr. p. 1371; Gaz. vol. 134; p. 2205.
- Stewart, D., Schenectady, assignor to Stewart Wrench & Mfg. Co., Albany, N. Y. Nut or pipe wrench. No. 904,816; Nov. 24; Sp. p. 4704; Gaz. vol. 137; p. 845.
- Stewart, D. A., Roslyn, assignor of one-half to J. Cameron, Dunedin, New Zealand. Cup and saucer. No. 899,811; Sept. 29; Sp. p. 5113; Dr. p. 1093; Gaz. vol. 136; p. 959.
- Stewart, F. L., Murrysville, assignor of one-half to S. E. Gill, Pittsburg, Pa. Making levulose, glucose, &c. No. 879,422; Feb. 18; Sp. p. 3146; Gaz. vol. 132; p. 1423.
- Stewart, G. F., Lynn, assignor, by mesne assignments, to T. G. Plant, Boston, Mass. Welt-marking machine. No. 885,099; Apr. 21; Sp. p. 2918; Dr. pp. 618-20; Gaz. vol. 133; p. 1717.
- Stewart, G. H., Los Angeles, Cal. Can-soldering machine. No. 898,937; Sept. 15; Sp. p. 3360; Dr. pp. 721-2; Gaz. vol. 136; p. 611.
- Stewart, G. W. (See Depp, W. E., assignor.)
- Stewart, G. W., Fort Wayne, Ind. Sash-lock. No. 881,354; Mar. 10; Sp. p. 1722; Dr. p. 371; Gaz. vol. 133; p. 319.
- Stewart, J., Codnor Park, England. Fire-grate. No. 885,100; Apr. 21; Sp. p. 2924; Dr. p. 620; Gaz. vol. 133; p. 1717.
- Stewart, J., Grand Rapids, Mich. Carding-machine. No. 901,045; Oct. 13; Sp. p. 2057; Dr. p. 418; Gaz. vol. 136; p. 1419.
- Stewart, J. D., Chicago, Ill. Refrigerator-car. No. 897,424; Sept. 1; Sp. p. 382; Dr. p. 80; Gaz. vol. 136; p. 59.
- Stewart, J. E. (See Stewart, T. S. and J. E.)
- Stewart, J. F., Wilkinsburg, Pa. Key-holder. No. 905,015; Nov. 24; Sp. p. 5119; Gaz. vol. 137; p. 912.
- Stewart, J. H., Waterloo, Iowa. Concrete-mixer. No. 886,434; May 5; Sp. p. 185; Dr. p. 40; Gaz. vol. 134; p. 35.
- Stewart, J. K., Chicago, Ill. Swivel-jointed shaft. No. 897,316; Sept. 1; Sp. p. 112; Dr. p. 25; Gaz. vol. 136; p. 18.
- Stewart, J. S., assignor to A. Stewart, New York, N. Y. Outdoor lamp-receptacle. No. 875,964; Jan. 7; Sp. p. 539; Dr. p. 115; Gaz. vol. 132; p. 95.
- Stewart, J. S., assignor to A. Stewart, New York, N. Y. Means for supporting lamp-receptacles. No. 886,267; Apr. 28; Sp. p. 5316; Dr. p. 1119; Gaz. vol. 133; p. 2128.
- Stewart, J. S., assignor to A. Stewart, New York, N. Y. Appliance for conduit-wiring. No. 907,911; Dec. 29; Sp. p. 5527; Gaz. vol. 137; p. 2012.
- Stewart, J. S., assignor to A. Stewart, New York, N. Y. Rosette. No. 908,166; Dec. 29; Sp. p. 6059; Gaz. vol. 137; p. 2097.
- Stewart, J. S., Philadelphia, Pa., assignor to himself, T. Oliver, and J. C. Yeager, Chicago, Ill., and T. M. Butler, Noblesville, Ind. Panoramic camera. No. 893,819; July 21; Sp. p. 3012; Dr. pp. 616-17; Gaz. vol. 135; p. 533.
- Stewart, J. W., Martinsburg, W. Va. Spraying device. No. 904,371; Nov. 17; Sp. p. 3761; Gaz. vol. 137; p. 669.

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- Stewart Jail Works Company. (See Fries, D., assignor.)
 Stewart Jail-Works Company. (See Stewart, R. C. and W. A., assignors.)
 Stewart, R. C. and W. A., assignors to Stewart Jail-Works Company, Covington, Ky. Cell-door operating and locking means. No. 897,317; Sept. 1; Sp. p. 116; Dr. pp. 25-6; Gaz. vol. 136; p. 19.
 Stewart, R. F., Pocantico Hills, N. Y. Driving mechanism for automobiles. No. 905,244; Dec. 1; Sp. p. 240; Gaz. vol. 137; p. 1024.
 Stewart, R. F., Pocantico Hills, assignor to American Butter Cutting Machine Company, New York, N. Y. Butter-cutting machine. No. 886,088; Apr. 28; Sp. p. 4981; Dr. p. 1048; Gaz. vol. 133; p. 2068.
 Stewart, S., *et al.* (See Stewart, S., assignor.)
 Stewart, S., Newark, N. J. Portable revolving baker's gas-oven. No. 885,702; Apr. 21; Sp. p. 4170; Dr. pp. 873-4; Gaz. vol. 133; p. 1910.
 Stewart, S., assignor to E. A. Billingslea, S. Stewart, E. T. Crisp, S. E. Janes, and M. J. Lantz, Fairmont, W. Va. Box-opener. No. 884,301; Apr. 7; Sp. p. 1277; Dr. p. 270; Gaz. vol. 133; p. 1396.
 Stewart, S. B., Augusta, Me. Pneumatic nail-driver. No. 902,620; Nov. 3; Sp. p. 176; Gaz. vol. 137; p. 30.
 Stewart, S. B., Jr., Schenectady, N. Y., assignor to General Electric Company. Contact device. No. 895,811; Aug. 11; Sp. p. 2084; Dr. p. 441; Gaz. vol. 135; p. 1259.
 Stewart, S. T., Newark, N. J. Signaling system for railway-trains. No. 902,014; Oct. 27; Sp. p. 4084; Dr. p. 828; Gaz. vol. 136; p. 1801.
 Stewart, T. S. and J. E., Saltsburg, Pa. Rotary sprinkler. No. 900,609; Oct. 6; Sp. p. 1160; Dr. p. 236; Gaz. vol. 136; p. 1250.
 Stewart, W., Elmira, N. Y. Box. No. 883,757; Apr. 7; Sp. p. 153; Dr. p. 27; Gaz. vol. 133; p. 1218.
 Stewart, W. A. (See Stewart, R. C. and W. A.)
 Stewart, W. C., Lynn, assignor, by mesne assignments, to T. G. Plant, Boston, Mass. Reinforced-insole covering and shaping machine. No. 883,837; Apr. 7; Sp. p. 333; Dr. pp. 63-5; Gaz. vol. 133; p. 1245.
 Stewart, W. D., Los Angeles, Cal. Combination pen, pencil-holder, and letter-scale. No. 906,080; Dec. 8; Sp. p. 1897; Gaz. vol. 137; p. 1325.
 Stewart, W. G., Cleveland, Ohio. Bath-tub supply-pipe connection. No. 886,888; May 5; Sp. p. 1112; Dr. p. 233; Gaz. vol. 134; p. 182.
 Stewart, W. H., Boston, Mass. Sewer-cleaning apparatus. No. 903,022; Nov. 3; Sp. p. 991; Gaz. vol. 137; p. 163.
 Stewart, W. J., Webster, Mass. Thin-piece detector for looms. No. 895,591; Aug. 11; Sp. p. 1636; Dr. p. 345; Gaz. vol. 135; p. 1188.
 Stewart, W. T., assignor of one-half to J. W. Parker, Pittsburg, Pa. Heating-furnace. No. 887,866; May 19; Sp. p. 3118; Dr. p. 654; Gaz. vol. 134; p. 563.
 Stewart Wrench and Manufacturing Company. (See Stewart, D., assignor.)
 Steynis, J., New York, N. Y. Apparatus for the production of ozone. No. 906,081; Dec. 8; Sp. p. 1898; Gaz. vol. 137; p. 1325.
 Steynis, J., New York, N. Y. Production of ozone. No. 906,468; Dec. 8; Sp. p. 2623; Gaz. vol. 137; p. 1452.
 Steynis, J., New York, N. Y., and H. Chaumat, Paris, France. Ozonizer. No. 897,318; Sept. 1; Sp. p. 124; Dr. p. 26; Gaz. vol. 136; p. 19.
 Stick, J. H., Littlestown, Pa. Steam-engine. No. 885,543; Apr. 21; Sp. p. 3860; Dr. p. 807; Gaz. vol. 133; p. 1861.
 Stickdorn, R., Dusseldorf, Germany. Closet-flushing apparatus. No. 880,594; Mar. 3; Sp. p. 220; Dr. p. 46; Gaz. vol. 133; p. 38.
 Stickels, E. H., Edgewater, N. J. Holder for spare tires. No. 885,655; Apr. 21; Sp. p. 4079; Dr. p. 853; Gaz. vol. 133; p. 1895.
 Stickle, F. K., New York, N. Y. Converting device for eyeglasses and spectacles. No. 900,444; Oct. 6; Sp. p. 785; Dr. p. 163; Gaz. vol. 136; p. 1196.
 Stickler, E., Onalaska, Wis. Twisting-machine. No. 894,860; Aug. 4; Sp. p. 111; Dr. pp. 24-5; Gaz. vol. 135; p. 919.
 Stickney, B. C., Elizabeth, N. J. Type-writing machine. No. 887,976; May 19; Sp. p. 3326; Dr. p. 699; Gaz. vol. 134; p. 599.
 Stickney, B. C., Elizabeth, N. J. Type-writing machine. No. 889,344; June 2; Sp. p. 293; Dr. p. 70; Gaz. vol. 134; p. 1106.
 Stickney, B. C., Elizabeth, assignor to Union Typewriter Company, Jersey City, N. J. Combined type-writing and adding machine. No. 876,409; Jan. 14; Sp. p. 1446; Dr. p. 311; Gaz. vol. 132; p. 269.
 Stickney, B. C., Elizabeth, assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 879,598; Feb. 18; Sp. p. 3522; Dr. pp. 737-8; Gaz. vol. 132; p. 1479.
 Stickney, B. C., Elizabeth, assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 886,660; May 5; Sp. p. 634; Dr. pp. 131-2; Gaz. vol. 134; p. 109.
 Stickney, B. C., Elizabeth, assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 903,517; Nov. 10; Sp. p. 1965; Gaz. vol. 137; p. 353.
 Stickney, M. H., Kansas City, Mo. Car-door. No. 885,101; Apr. 21; Sp. p. 2926; Dr. p. 621; Gaz. vol. 133; p. 1718.
 Stief Jewelry Co. (See Faller, L. A., assignor.)
 Stiegelmann, A. J., and E. Dehnelt, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Decolorization of extracts containing tannin. No. 889,059; May 26; Sp. p. 5499; Gaz. vol. 134; p. 983.
 Stieler, C., Chicago, Ill. Mold for tapering-chimney construction. No. 890,466; June 9; Sp. p. 2546; Dr. pp. 563-4; Gaz. vol. 134; p. 1496.
 Stiff, H. C., Johnstown, Pa., assignor to Lorain Steel Company. Switch structure. No. 901,752; Oct. 20; Sp. p. 3551; Dr. p. 719; Gaz. vol. 136; p. 1687.
 Stifter, J., Pittsburg, Pa. Dump-wagon. No. 878,907; Feb. 11; Sp. p. 2118; Dr. p. 442; Gaz. vol. 132; p. 1215.
 Stiles, B. M., Brainard, Neb. Stock-watering fountain. No. 895,592; Aug. 11; Sp. p. 1638; Dr. p. 345; Gaz. vol. 135; p. 1188.
 Stiles, E. W., Grand Rapids, Mich. Underwaist. No. 901,046; Oct. 13; Sp. p. 2059; Dr. p. 418; Gaz. vol. 136; p. 1419.
 Stiles, G. A., Vertrees, Ky. Thill-coupling. No. 892,694; July 7; Sp. p. 587; Dr. p. 127; Gaz. vol. 135; p. 103.
 Stiles, H. A., Philadelphia, Pa. Autograph-album. No. 881,739; Mar. 10; Sp. p. 2477; Dr. p. 533; Gaz. vol. 133; p. 442.
 Stiles, L. S., and F. S. Benson, Jr., Brooklyn, N. Y. Knockdown shipping-case. No. 888,548; May 26; Sp. p. 4450; Dr. pp. 942-3; Gaz. vol. 134; p. 816.
 Stiles, W. C., West Boylston, assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Snap-hook. No. 885,883; Apr. 28; Sp. p. 4553; Dr. p. 955; Gaz. vol. 133; p. 2001.
 Still, W. J., Ealing, England. Electrical measuring instrument. No. 877,251; Jan. 21; Sp. p. 3236; Dr. pp. 700-1; Gaz. vol. 132; p. 594.
 Still, W. J., Ealing, England. Apparatus for transmitting heat from one fluid to another. No. 880,417; Feb. 25; Sp. p. 5207; Dr. pp. 1097-8; Gaz. vol. 132; p. 1781.
 Stillman, F. H. (See Wigtel, C., assignor.)
 Stillman, G. F., deceased; M. D. Stillman, administratrix, assignor to Smith Premier Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 893,397; July 14; Sp. p. 2015; Dr. p. 422; Gaz. vol. 135; p. 363.
 Stillman, G. F., assignor to A. T. Brown, Syracuse, N. Y. Type-writing machine. No. 897,425; Sept. 1; Sp. p. 384; Dr. p. 81; Gaz. vol. 136; p. 60.
 Stillman, M. D., administratrix. (See Stillman, G. F.)
 Stillwagon, A. H., Pittsburg, Pa. Pie cutter and crimper. No. 881,738; Mar. 10; Sp. p. 2476; Dr. p. 533; Gaz. vol. 133; p. 442.
 Stillwagon, J. H., *et al.* (See Boulter, W. A., assignor.)
 Stillwell, C. B., Jacksonville, Fla. Nut-lock. No. 880,930; Mar. 3; Sp. p. 900; Dr. p. 194; Gaz. vol. 133; p. 151.
 Stillwell, C. B., Jacksonville, Fla. Envelop. No. 890,538; June 9; Sp. p. 2691; Dr. p. 593; Gaz. vol. 134; p. 1520.
 Stillwell, C. B., assignor to himself and J. C. Little, Jacksonville, Fla. Closure. No. 877,805; Jan. 28; Sp. p. 4306; Dr. p. 935; Gaz. vol. 132; p. 791.
 Stillwell, F. R., Lott, Tex. Stalk-cutter. No. 905,947; Dec. 8; Sp. p. 1643; Gaz. vol. 137; p. 1283.
 Stilson, H. M., *et al.* (See Hollister, C. P., assignor.)
 Stimpson Computing Scale Co. (See Good, J. L., assignor.)
 Stimpson, E. B., assignor to Edwin B. Stimpson Company, New York, N. Y. Lacing-hook. No. 880,251; Feb. 25; Sp. p. 4879; Dr. p. 1032; Gaz. vol. 132; p. 1728.
 Stimpson, E. B., New York, N. Y., assignor to Edwin B. Stimpson Company. Antiskidding device. No. 890,191; June 9; Sp. p. 2003; Dr. p. 441; Gaz. vol. 134; p. 1409.
 Stimpson, E. B., New York, N. Y., assignor to Edwin B. Stimpson Company. Stud or rivet. No. 897,319; Sept. 1; Sp. p. 125; Dr. p. 26; Gaz. vol. 136; p. 19.
 Stimpson, E. B., New York, N. Y., assignor to Edwin B. Stimpson Company. Garment-fastener. No. 900,445; Oct. 6; Sp. p. 793; Dr. p. 163; Gaz. vol. 136; p. 1196.
 Stimpson, E. B., New York, N. Y., assignor to Edwin B. Stimpson Company. Rivet. No. 906,747; Dec. 15; Sp. p. 3161; Gaz. vol. 137; p. 1567.
 Stimpson, E. B., New York, N. Y., assignor to Edwin B. Stimpson Company. Eyelet and the like setting machine. No. 907,422; Dec. 22; Sp. p. 4488; Gaz. vol. 137; p. 1822.
 Stimpson, E. B., Brooklyn, N. Y., assignor to Edwin B. Stimpson Company. Tire-protective rivet. No. 902,015; Oct. 27; Sp. p. 4086; Dr. p. 829; Gaz. vol. 136; p. 1801.
 Stimpson, E. B., New York, N. Y., assignor to United States Envelope Co., Worcester, Mass. Envelop-fastener. No. 885,884; Apr. 28; Sp. p. 4554; Dr. p. 955; Gaz. vol. 133; p. 2001.
 Stimpson, E. B., Brooklyn, N. Y., assignor to United States Envelope Company, Worcester, Mass. Envelop-fastener. No. 889,269; June 2; Sp. p. 151; Dr. p. 36; Gaz. vol. 134; p. 1083.
 Stimpson, E. S., assignor to Draper Company, Hopedale, Mass. Filling-fork for looms. No. 889,825; June 2; Sp. p. 1236; Dr. p. 285; Gaz. vol. 134; p. 1260.
 Stimpson, E. S., assignor to Draper Company, Hopedale, Mass. Thread-cutting temple for looms. No. 890,884; June 16; Sp. p. 3427; Dr. p. 751; Gaz. vol. 134; p. 1666.

Alphabetical list of patentees—Continued.

- Stimpson Scale and Manufacturing Company. (See Stimpson, W. F., assignor.)
- Stimpson, W. F., Detroit, Mich. Scale-bearing support. No. 885,885; Apr. 28; Sp. p. 4555; Dr. p. 955; Gaz. vol. 133; p. 2002.
- Stimpson, W. F., Detroit, assignor to Stimpson Scale and Manufacturing Company, Northville, Mich. Pitless scale. No. 903,910; Nov. 17; Sp. p. 2794; Gaz. vol. 137; p. 513.
- Stimpson, W. H., Winthrop, and F. A. Bradford, Dorchester, assignors to Milford Iron Foundry, Milford, Mass. Leather-working machine. No. 904,160; Nov. 17; Sp. p. 3312; Gaz. vol. 137; p. 598.
- Stimpson, W. H., Winthrop, and F. A. Bradford, assignors, by mesne assignments, to Charles Holmes Leather Working Machinery Company, Boston, Mass. Leather-rolling machine. No. 906,329; Dec. 8; Sp. p. 2385; Gaz. vol. 137; p. 1409.
- Stimpson, W. I., Milford, and G. B. Ambler, South Framingham, assignors to Draper Company, Hopedale, Mass. Automatic filling-replenishing loom. No. 887,977; May 19; Sp. p. 3329; Dr. pp. 699-700; Gaz. vol. 134; p. 690.
- Stine, M. (See Acker, C. E., assignor.)
- Stine, M., et al. (See Doerflinger and Buck, assignors.)
- Stine, S. R., McVeytown, Pa. Range. No. 899,813; Sept. 29; Sp. p. 5116; Dr. p. 1094; Gaz. vol. 136; p. 960.
- Stinson, J. H., Cooke, Mont. Repeating attachment for phonographs. No. 887,978; May 19; Sp. p. 3334; Dr. p. 700; Gaz. vol. 134; p. 690.
- Stinson, J. H., Cooke, Mont. Repeating mechanism for sound-reproducing machines. No. 896,950; Aug. 25; Sp. p. 4378; Dr. p. 938; Gaz. vol. 135; p. 1674.
- Stirling, W. H., assignor to H. R. McLellan, St. John, New Brunswick, Canada. Injector. No. 884,625; Apr. 14; Sp. p. 1932; Dr. p. 415; Gaz. vol. 133; p. 1531.
- Stith, O. W., Ada, Ohio. Handle-lathe head. No. 891,111; June 16; Sp. p. 3883; Dr. pp. 849-50; Gaz. vol. 134; p. 1740.
- Stitt, W. R., Belfast, Ireland. Shuttle-positioner for weft-replenishing looms. No. 903,911; Nov. 17; Sp. p. 2796; Gaz. vol. 137; p. 513.
- Stitt, W. R., Belfast, Ireland. Automatic weft-replenishing mechanism for looms. No. 903,912; Nov. 17; Sp. p. 2796; Gaz. vol. 137; p. 513.
- Stitzell, J. D., Allegheny, Pa. Rail-joint. No. 884,774; Apr. 14; Sp. p. 2280; Dr. p. 480; Gaz. vol. 133; p. 1582.
- Stitzell, J. D., Pittsburgh, Pa. Rail-joint. No. 898,799; Sept. 15; Sp. p. 3114; Dr. p. 667; Gaz. vol. 136; p. 566.
- Stivers, J. O., Denver, Colo. Fuse-box. No. 898,698; Sept. 15; Sp. p. 2935; Dr. p. 629; Gaz. vol. 136; p. 534.
- Stivers, J. O., Denver, Colo., assignor to Perfect Shoe Stretcher Company. Corn and bunion easing attachment for boot and shoe lasts. (Reissue.) No. 12,881; Nov. 17; Sp. p. 4045; Gaz. vol. 137; p. 712.
- Stivers, M. N., administratrix. (See Stivers, W. D.)
- Stivers, W. D., deceased; M. N. Stivers, administratrix, Jersey City, N. J. Means for charging storage batteries. No. 894,237; July 28; Sp. p. 3892; Dr. pp. 804-5; Gaz. vol. 135; p. 690.
- Stock, F., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Fluid-brake for recoil-guns. No. 905,112; Nov. 24; Sp. p. 5301; Gaz. vol. 137; p. 944.
- Stock, H. F., Waukesha, Wis. Sheet-metal bottle-case. No. 907,912; Dec. 29; Sp. p. 5532; Gaz. vol. 137; p. 2012.
- Stockbridge, J. L. (See Gault and Stockbridge.)
- Stockdon, J. J., Somerville, Mass. Elbow connection for radiators. No. 902,696; Nov. 3; Sp. p. 327; Gaz. vol. 137; p. 55.
- Stocker, A. P., Struthers, Ohio. Brace for sheet-metal pilcs. No. 886,089; Apr. 28; Sp. p. 4985; Dr. p. 1048; Gaz. vol. 133; p. 2069.
- Stocker, F., Highland, Ill. Washing apparatus. No. 888,766; May 26; Sp. p. 4898; Dr. p. 1043; Gaz. vol. 134; p. 887.
- Stocker, F. W. (See Cordes, A. W., assignor.)
- Stocker, J. W. and O., Chicago, Ill. Graining card-painting machine. No. 885,102; Apr. 21; Sp. p. 2927; Dr. pp. 621-2; Gaz. vol. 133; p. 1718.
- Stocker, L., Knoxville, Tenn., assignor to Myer Bridges Company, Louisville, Ky. Machine for making mops and brushes. No. 881,740; Mar. 10; Sp. p. 2477; Dr. pp. 533-4; Gaz. vol. 133; p. 442.
- Stocker, L., Knoxville, Tenn., assignor to Myer Bridges Company, Louisville, Ky. Machine for making mops and brushes. No. 891,571; June 23; Sp. p. 4835; Dr. pp. 1043-4; Gaz. vol. 134; p. 1923.
- Stocker, L., Knoxville, Tenn., assignor to Myer Bridges Company, Louisville, Ky. Machine for making mops and brushes. No. 898,019; Sept. 8; Sp. p. 1610; Dr. pp. 343-4; Gaz. vol. 136; p. 284.
- Stocker, L., assignor to Myer Bridges Company, Louisville, Ky. Machine for making mops. No. 891,572; June 23; Sp. p. 4843; Dr. p. 1045; Gaz. vol. 134; p. 1923.
- Stocker, L., assignor to Myer Bridges Company, Louisville, Ky. Making mops. No. 891,744; June 23; Sp. p. 5197; Dr. p. 1123; Gaz. vol. 134; p. 1981.
- Stocker, N. C., Cedar Rapids, Iowa. Horse-hitching device. No. 900,964; Oct. 13; Sp. p. 1906; Dr. p. 387; Gaz. vol. 136; p. 1392.
- Stocker, O. (See Stocker, J. W. and O.)
- Stockford, T. E., Williams, Cal. Railway-tie and fastening. No. 905,604; Dec. 1; Sp. p. 990; Gaz. vol. 137; p. 1141.
- Stockham Pipe & Fittings Company. (See Colton, A. D., assignor.)
- Stockham, W. G. (See Bartholomai, Stockham, and Deming.)
- Stockham, W. G., Piqua, Ohio. Portable snap-bench. No. 890,311; June 9; Sp. p. 2273; Dr. p. 501; Gaz. vol. 134; p. 1448.
- Stocking, A. M., East Orange, N. J. Collapsible strainer for fruit, &c. No. 890,724; June 16; Sp. p. 3112; Dr. p. 682; Gaz. vol. 134; p. 1614.
- Stocking, B. A., Audubon, Iowa. Ironing-cabinet. No. 899,633; Sept. 29; Sp. p. 4742; Dr. p. 1015; Gaz. vol. 136; p. 901.
- Stocking, M. D., Lindenwood, Ill. Supplemental wheel for motor-cars. No. 904,570; Nov. 24; Sp. p. 4193; Gaz. vol. 137; p. 763.
- Stocklin, W. C. (See Chase and Stocklin.)
- Stockman, H., New York, N. Y. Leather-blank-cutting die. No. 896,478; Aug. 18; Sp. p. 3388; Dr. p. 729; Gaz. vol. 135; p. 1497.
- Stockon, J., Hoquiam, Wash. Combined saw-set and straight-edge. No. 887,709; May 12; Sp. p. 2773; Dr. p. 586; Gaz. vol. 134; p. 481.
- Stockton, E. E., and A. H. Porter, assignors to E. Ingraham Co., Bristol, Conn. Alarm-clock. No. 878,251; Feb. 4; Sp. p. 739; Dr. p. 149; Gaz. vol. 132; p. 967.
- Stockwell, J. W., Philadelphia, Pa. Spring-binder. No. 887,979; May 19; Sp. p. 3336; Dr. p. 700; Gaz. vol. 134; p. 610.
- Stockwell, M. E., Grand Rapids, Mich., assignor to Acme Door and Glass Company, Los Angeles, Cal. Metal furniture. No. 876,888; Jan. 14; Sp. p. 2437; Dr. p. 531; Gaz. vol. 132; p. 429.
- Stoddard, C. F., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic-despatch-tube apparatus. No. 880,595; Mar. 3; Sp. p. 221; Dr. p. 46; Gaz. vol. 133; p. 38.
- Stoddard, E. H., Orange, Mass. Umbrella-repairing device. No. 905,016; Nov. 24; Sp. p. 5120; Gaz. vol. 137; p. 912.
- Stoddard, E. R., Detroit, Mich. Die for forming sheet-metal vessels. No. 879,922; Feb. 25; Sp. p. 4224; Dr. p. 882; Gaz. vol. 132; p. 1620.
- Stoddard, F. S., Syracuse, N. Y. Handle attachment. No. 893,275; July 14; Sp. p. 1791; Dr. p. 376; Gaz. vol. 135; p. 323.
- Stoddard, J. T., Westport, Oreg. Gang-edger. No. 879,923; Feb. 25; Sp. p. 4227; Dr. pp. 882-3; Gaz. vol. 132; p. 1620.
- Stoddard, T. G., and G. H. Barbour, assignors to American Postal Machines Company, Boston, Mass. Mail-marking machine. No. 891,195; June 16; Sp. p. 4049; Dr. pp. 887-8; Gaz. vol. 134; p. 1767.
- Stoddard, C., Buffalo, N. Y. Sulfur candle. No. 904,733; Nov. 24; Sp. p. 4522; Gaz. vol. 137; p. 817.
- Stoehr, F., and E. W. Gragert, assignors to United States Duplex Rotary Engine Company, Minneapolis, Minn. Rotary engine. No. 905,476; Dec. 1; Sp. p. 738; Gaz. vol. 137; p. 1102.
- Stoelt, J. H., Sebawaing, Mich. Life-boat. No. 904,372; Nov. 17; Sp. p. 3762; Gaz. vol. 137; p. 670.
- Stoelting, A. F., Kiel, Wis. Milk-vat. No. 893,883; July 21; Sp. p. 3139; Dr. pp. 644-5; Gaz. vol. 135; p. 552.
- Stoen, J. G., Lac qui Parle, Minn. Wheelwright-machine. No. 891,745; June 23; Sp. p. 5199; Dr. pp. 1123-4; Gaz. vol. 134; p. 1981.
- Stoen, J. G., Montevideo, Minn. Machine for rounding-fellies. No. 907,913; Dec. 29; Sp. p. 5533; Gaz. vol. 137; p. 2013.
- Stoer, M., and M. Kuettner, Comfort, Tex. Rotary brush. No. 887,867; May 19; Sp. p. 3119; Dr. p. 655; Gaz. vol. 134; p. 563.
- Stoever Foundry & Manufacturing Company. (See McCarty, R., assignor.)
- Stoever Foundry & Manufacturing Company. (See McCarty and Giele, assignors.)
- Stoffel, J. P., Los Angeles, Cal. Door-securer. No. 902,772; Nov. 3; Sp. p. 464; Gaz. vol. 137; p. 81.
- Stoffel, S., West McHenry, Ill. Sectional wheel for power transmission. No. 887,144; May 12; Sp. p. 1595; Dr. p. 339; Gaz. vol. 134; p. 293.
- Stoffels, H. J., Norwood, Ohio. Guide-frame for gas-holders. No. 901,205; Oct. 13; Sp. p. 2346; Dr. p. 480; Gaz. vol. 136; p. 1469.
- Stoffels, K. W. G. J., and J. J. H. W. Weenen, assignors to Naamloze Vennootschap Internationale Electriciteit Maatschappij, Amsterdam, Netherlands. Electrically-controlled switch-operating mechanism for railways. No. 887,980; May 19; Sp. p. 3338; Dr. p. 701; Gaz. vol. 134; p. 691.
- Stoffels, M. N., Medaryville, Ind. Door-fastener. No. 900,794; Oct. 13; Sp. p. 1537; Dr. p. 313; Gaz. vol. 136; p. 1336.
- Stoffler, J. L., Homeworth, Ohio. Bolt-locking device. No. 901,563; Oct. 70; Sp. p. 3139; Dr. p. 641; Gaz. vol. 136; p. 1624.
- Stoffler, M. J., Capac, Mich. Culvert. No. 887,284; May 12; Sp. p. 1915; Dr. p. 406; Gaz. vol. 134; p. 339.
- Stofflet, A. M., Mauch Chunk, Pa. Display-casel. No. 880,049; Feb. 25; Sp. p. 4474; Dr. p. 939; Gaz. vol. 132; p. 1660.
- Stöhr, A., Harthau, Chemnitz, Germany. Process for the manufacture of floating soap. No. 883,360; Mar. 31; Sp. p. 5722; Gaz. vol. 133; p. 1063.
- Stokely, W. R., St. Augustine, Fla. Shipping-crate. No. 877,612; Jan. 28; Sp. p. 3968; Dr. p. 857; Gaz. vol. 132; p. 730.
- Stokely, W. R., St. Augustine, Fla. Shipping-box. No. 896,771; Aug. 25; Sp. p. 3972; Dr. p. 855; Gaz. vol. 135; p. 1613.
- Stokely, W. R., St. Augustine, Fla. Fastener or stay. No. 898,800; Sept. 15; Sp. p. 3115; Dr. p. 667; Gaz. vol. 136; p. 566.
- Stokely, W. R., St. Augustine, Fla. Car ventilation. No. 898,801; Sept. 15; Sp. p. 3116; Dr. p. 668; Gaz. vol. 136; p. 566.

Alphabetical list of patentees—Continued.

- Stokely, W. R., St. Augustine, Fla. Egg-carrier. No. 902,697; Nov. 3; Sp. p. 328; Gaz. vol. 137; p. 55.
 Stokely, W. R., St. Augustine, Fla. Fruit-box. No. 904,571; Nov. 24; Sp. p. 4194; Gaz. vol. 137; p. 764.
 Stoker, J. W., New York, N. Y., and E. S. Jones, Boston, Mass. Sanitary dirt-guard for heating-pipes. No. 896,420; Aug. 18; Sp. p. 3270; Dr. p. 701; Gaz. vol. 135; p. 1477.
 Stokes, A. G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Multiple-expansion engine. No. 892,017; June 30; Sp. p. 5764; Dr. p. 1280; Gaz. vol. 134; p. 2103.
 Stokes, A. G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Steam-actuated valve for engines. No. 899,849; Sept. 29; Sp. p. 5200; Dr. pp. 1113-14; Gaz. vol. 136; p. 972.
 Stokes, C. M., and W. F. Ensor, assignors of one-third to J. W. Barnes, Bradford, Pa. Trolley-base. No. 894,760; July 28; Sp. p. 4930; Dr. p. 1027; Gaz. vol. 135; p. 860.
 Stokes, F. F., New York, N. Y. Ventilator. No. 896,334; Aug. 18; Sp. p. 3096; Dr. p. 666; Gaz. vol. 135; p. 1449.
 Stokes, H., Beverly, N. J., assignor of two-thirds to J. E. Wright, Philadelphia, Pa., and M. B. Perkins, Beverly, N. J. Wood-preserving composition. No. 896,335; Aug. 18; Sp. p. 3097; Gaz. vol. 135; p. 1449.
 Stokes, J. T., Putney, England. Radiator. No. 886,550; May 5; Sp. p. 407; Dr. p. 87; Gaz. vol. 134; p. 75.
 Stokes, M. C., Hartford, Conn., assignor to Hartford Rubber Works Company. Handle-grip for cycle handle-bars. No. 886,889; May 5; Sp. p. 1115; Dr. p. 233; Gaz. vol. 134; p. 133.
 Stokes & Smith Company. (See Smith, I. B., assignor.)
 Stokes, W. E. D., et al. (See Larsson, T., assignor.)
 Stokoe, J. W., Jeannette, La. Car-stake. No. 881,971; Mar. 17; Sp. p. 2973; Dr. p. 633; Gaz. vol. 133; p. 548.
 Stoll, J. F., Cuyahoga Falls, Ohio. Head for surfacing-machines. No. 883,920; Apr. 7; Sp. p. 505; Dr. p. 100; Gaz. vol. 133; p. 1273.
 Stoll, J. F., Cuyahoga Falls, Ohio. Surfacing-machine. No. 890,312; June 9; Sp. p. 2274; Dr. pp. 501-2; Gaz. vol. 134; p. 1448.
 Stollberg, C., Toledo, Ohio, assignor to American Can Company, New York, N. Y. Sheet-steel keg for white lead. No. 878,576; Feb. 11; Sp. p. 1478; Dr. p. 299; Gaz. vol. 132; p. 1108.
 Stollberg, C., Toledo, Ohio, assignor to American Can Company, New York, N. Y. Sheet-metal keg for white lead and other heavy articles. No. 880,834; Mar. 3; Sp. p. 714; Dr. p. 150; Gaz. vol. 133; p. 121.
 Stolle and Kopke, Firm of. (See Fritzsche, F., assignor.)
 Stolp, C. L., Los Angeles, Cal. Curtain-stretcher. No. 905,477; Dec. 1; Sp. p. 740; Gaz. vol. 137; p. 1102.
 Stolp, F. H., Chicago, Ill. Machine for making radiators. No. 875,746; Jan. 7; Sp. p. 131; Dr. pp. 29-30; Gaz. vol. 132; p. 26.
 Stolp, F. H., Chicago, Ill. Radiator-tubing. No. 877,252; Jan. 21; Sp. p. 3238; Dr. p. 701; Gaz. vol. 132; p. 594.
 Stolp, I. G., and P. W. Bowde, Waukesha, Wis. Window-sash. No. 903,615; Nov. 10; Sp. p. 2179; Gaz. vol. 137; p. 385.
 Stoltenberg, H., assignor to White Lily Washer Company, Davenport, Iowa. Valve mechanism for gas-engines. No. 880,835; Mar. 3; Sp. p. 717; Dr. pp. 150-1; Gaz. vol. 133; p. 121.
 Stoltenberg, J., Durant, Iowa. Sweeping compound. No. 877,137; Jan. 21; Sp. p. 2997; Gaz. vol. 132; p. 554.
 Stoltzfus, S. F., Leola, Pa. Plant-cutter. No. 883,361; Mar. 31; Sp. p. 5723; Dr. p. 1220; Gaz. vol. 133; p. 1054.
 Stoltzenwald, G., Valea Calugareasca, Roumania. Treating zinc-retort residues. No. 881,355; Mar. 10; Sp. p. 1723; Gaz. vol. 133; p. 319.
 Stombaugh, G. W., Cambridge City, Ind. Folding rocking-chair. No. 890,192; June 9; Sp. p. 2004; Dr. pp. 441-2; Gaz. vol. 134; p. 1410.
 Stombaugh, T. A., St. Marys, Ohio. Umbrella. No. 886,890; May 5; Sp. p. 1115; Dr. p. 233; Gaz. vol. 134; p. 183.
 Stone, A. H., Kansas City, Mo. Extension-table. No. 903,802; Nov. 10; Sp. p. 2538; Gaz. vol. 137; p. 443.
 Stone, C., Battle Creek, Iowa. Folding umbrella. No. 888,363; May 19; Sp. p. 4356; Dr. p. 855; Gaz. vol. 134; p. 722.
 Stone, D., North Liberty, Iowa. Horseshoe-calk. No. 876,666; Jan. 14; Sp. p. 2025; Dr. p. 442; Gaz. vol. 132; p. 359.
 Stone, E., Chicago, Ill. Cover for ironing-boards. No. 876,410; Jan. 14; Sp. p. 1450; Dr. pp. 311-12; Gaz. vol. 132; p. 269.
 Stone, E., Fort Riley, Kans. Water-tank attachment for wagons. No. 889,270; June 2; Sp. p. 153; Dr. p. 37; Gaz. vol. 134; p. 1083.
 Stone, F. M., Hoquiam, Wash. Violin. No. 895,593; Aug. 11; Sp. p. 1639; Dr. pp. 345-6; Gaz. vol. 135; p. 1189.
 Stone, G., assignor to M. T., N., S. D., and M. T. Stevens, Jr., North Andover, Mass. Apparatus for treating woolen yarns. No. 892,911; July 7; Sp. p. 1056; Dr. p. 221; Gaz. vol. 135; p. 174.
 Stone, G. C., New York, N. Y. Jig. No. 890,939; June 16; Sp. p. 3560; Dr. p. 777; Gaz. vol. 134; p. 1685.
 Stone, H., Wilmerding, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Soldering-machine for commutators. No. 896,951; Aug. 25; Sp. p. 4380; Dr. p. 938; Gaz. vol. 135; p. 1674.
 Stone, H. W., Morris, Minn. Wire-looper. No. 907,095; Dec. 15; Sp. p. 3791; Gaz. vol. 137; p. 1675.
 Stone, J. A., Chicago, Ill., assignor to International Harvester Company. Corn-harvester. No. 899,142; Sept. 22; Sp. p. 3747; Dr. pp. 803-4; Gaz. vol. 136; p. 706.
 Stone, J. S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraphy. No. 884,106; Apr. 7; Sp. p. 884; Dr. pp. 136-8; Gaz. vol. 133; p. 1334.
 Stone, J. S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraphy. No. 884,107; Apr. 7; Sp. p. 889; Dr. pp. 138-91; Gaz. vol. 133; p. 1334.
 Stone, J. S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraphy. No. 884,108; Apr. 7; Sp. p. 909; Dr. p. 192; Gaz. vol. 133; p. 1335.
 Stone, J. S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraphy. No. 884,109; Apr. 7; Sp. p. 915; Dr. pp. 192-3; Gaz. vol. 133; p. 1335.
 Stone, J. S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Apparatus for determining the direction of space-telegraph signals. No. 899,272; Sept. 22; Sp. p. 4034; Dr. p. 862; Gaz. vol. 136; p. 748.
 Stone, J. S., Boston, and S. Cabot, Brookline, assignors to W. W. Swan, trustee, Brookline, Mass. Space telegraphy. No. 884,110; Apr. 7; Sp. p. 923; Dr. p. 193; Gaz. vol. 133; p. 1336.
 Stone, L. (See Sladek and Stone.)
 Stone, L. R., Menden, Kans. Pumping-jack. No. 881,972; Mar. 17; Sp. p. 2975; Dr. p. 633; Gaz. vol. 133; p. 548.
 Stone, M. L., Lewiston, Me., assignor to Draper Company, Hopedale, Mass. Filling-end holder for weft-replenishing looms. No. 897,426; Sept. 1; Sp. p. 388; Dr. p. 82; Gaz. vol. 136; p. 60.
 Stone, M. L., Lewiston, Me., assignor to Draper Company, Hopedale, Mass. Filling-end holder for weft-replenishing looms. No. 897,427; Sept. 1; Sp. p. 383; Dr. p. 82; Gaz. vol. 136; p. 60.
 Stone, M. L., Lowell, assignor to Draper Company, Hopedale, Mass. Automatic weft-replenishing mechanism for looms. No. 905,245; Dec. 1; Sp. p. 243; Gaz. vol. 137; p. 1025.
 Stone, N. B., Outlook, Wash. Combined table and couch. No. 893,031; July 14; Sp. p. 1312; Dr. pp. 275-6; Gaz. vol. 135; p. 244.
 Stone Telegraph and Telephone Company. (See Cabot, S., assignor.)
 Stone Telegraph and Telephone Company. (See Cram, E. R., assignor.)
 Stone Telegraph and Telephone Company. (See Roos, O. C., assignor.)
 Stone Telegraph and Telephone Company. (See Russell, C. E., assignor.)
 Stone, U., Lead, S. D. Safety device for pistols. No. 879,018; Feb. 11; Sp. p. 2316; Dr. p. 484; Gaz. vol. 132; p. 1249.
 Stone, W. G., Knoxville, Ill. Animal-trap. No. 877,138; Jan. 21; Sp. p. 2997; Dr. p. 647; Gaz. vol. 132; p. 554.
 Stone, W. G., Knoxville, Ill. Currycomb. No. 894,469; July 28; Sp. p. 4377; Dr. pp. 903-4; Gaz. vol. 135; p. 767.
 Stone & Webster. (See MacKaye, J., assignor.)
 Stonebarger, H. H., Dayton, assignor to O-K Paper Pail Company, Middletown, Ohio. Paper box. No. 892,463; July 7; Sp. p. 143; Dr. p. 31; Gaz. vol. 135; p. 28.
 Stonebarger, H. H., assignor to O-K Paper Pail Company, Middletown, Ohio. Paper pail. No. 894,406; July 28; Sp. p. 4254; Dr. p. 878; Gaz. vol. 135; p. 746.
 Stonebreaker, C. A. (See Wissler, R., assignor.)
 Stonebridge, C. H., New York, N. Y. Folding lantern. No. 890,193; June 9; Sp. p. 2005; Dr. p. 442; Gaz. vol. 134; p. 1410.
 Stoneman, O. A., Philadelphia, Pa., assignor of three-fourths to S. D. and S. S. Moles and H. D. Jewell, Corona, Cal. Trunk-strap fastener. No. 889,410; June 2; Sp. p. 441; Dr. p. 105; Gaz. vol. 134; p. 1123.
 Stonemetz, J. H., Boston, Mass. Printing-press. No. 834,302; Apr. 7; Sp. p. 1278; Dr. p. 270; Gaz. vol. 133; p. 1397.
 Stonemetz, J. H., Grand Haven, Mich. Printing-press. No. 890,467; June 9; Sp. p. 2548; Dr. p. 564; Gaz. vol. 134; p. 1496.
 Stonemetz, J. H., assignor to Challenge Machinery Company, Grand Haven, Mich. Printing-press. No. 898,075; Sept. 8; Sp. p. 1728; Dr. p. 367; Gaz. vol. 136; p. 302.
 Stonemetz, J. H., assignor to Challenge Machinery Company, Grand Haven, Mich. Jogger for printing-presses. No. 906,330; Dec. 8; Sp. p. 2388; Gaz. vol. 137; p. 1409.
 Stoner, B. (See Stoner, H. S. and B.)
 Stoner, E. L., Scottsdale, Pa. Desulfurizing coke. No. 887,145; May 12; Sp. p. 1597; Gaz. vol. 134; p. 294.
 Stoner, H. S. and B., Massillon, Ohio. Acetylene-gas generator. No. 880,698; Mar. 3; Sp. p. 408; Dr. p. 88; Gaz. vol. 133; p. 73.
 Stoner, H. S. and B., Massillon, Ohio. Acetylene-gas generator. No. 880,763; Mar. 3; Sp. p. 554; Dr. pp. 117-18; Gaz. vol. 133; p. 96.
 Stoner, J. F., Stark county, Ohio. Combined railway-tie and rail-fastener. No. 888,670; May 26; Sp. p. 4714; Dr. p. 1003; Gaz. vol. 134; p. 857.
 Stonestreet, J. M., Marshalltown, Iowa. Retouching-cabinet. No. 884,535; Apr. 14; Sp. p. 1753; Dr. p. 377; Gaz. vol. 133; p. 1501.
 Stoney, G. G. (See Parsons and Stoney.)

Alphabetical list of patentees—Continued.

- Stokey, G. L., Lehi, and J. J. Tanner, Clover, Utah. Surface plow, weeder, and grubber. No. 894,914; Aug. 4; Sp. p. 251; Dr. p. 54; Gaz. vol. 135; p. 938.
- Stoops, J. A., Chicora, Pa. Metallic railway-tie and rail-fastening. No. 895,908; Aug. 11; Sp. p. 2257; Dr. p. 482; Gaz. vol. 135; p. 1290.
- Stoops, J. C. (See Zimmerman, Stoops, and Lane.)
- Stoops, W. B., Coraopolis, Pa. Combined window and porch jack. No. 894,295; July 28; Sp. p. 4027; Dr. p. 831; Gaz. vol. 135; p. 709.
- Stoops, W. B., assignor of one-half to G. W. Scott and J. M. McCabe, Coraopolis, Pa. Attachment for swinging scaffolds or stages. No. 882,769; Mar. 24; Sp. p. 4523; Dr. p. 966; Gaz. vol. 133; p. 840.
- Stoppie, J. J., Dallas, Tex. Baling-press. No. 883,758; Apr. 7; Sp. p. 155; Dr. p. 28; Gaz. vol. 133; p. 1218.
- Stoppie, W. H., Dallas, Tex. Stalk-cutter. No. 892,628; July 7; Sp. p. 459; Dr. p. 98; Gaz. vol. 135; p. 82.
- Storck, L. (See Vogt and Storck.)
- Storck, L., and J. H. Vogt, Stamford, Conn. Machine for finishing the packing of barrels. No. 901,753; Oct. 20; Sp. p. 3553; Dr. p. 719; Gaz. vol. 136; p. 1687.
- Storer, N. W. (See Lamme and Storer.)
- Storer, N. W., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resilient gear connection. No. 894,915; Aug. 4; Sp. p. 252; Dr. p. 55; Gaz. vol. 135; p. 939.
- Storey, A. A., Leicester, England. Game apparatus. No. 901,206; Oct. 13; Sp. p. 2347; Dr. p. 480; Gaz. vol. 136; p. 1469.
- Storey, C. B. C., Lancaster, England. Disintegrating, washing, and screening machine. No. 881,207; Mar. 10; Sp. p. 1415; Dr. pp. 305-6; Gaz. vol. 133; p. 271.
- Stork Company. (See Thompson, M. S., assignor.)
- Stork, J., *et al.* (See Loewenstein, M., assignor.)
- Storle, O. O., Tacoma, Wash. Elastic-fluid turbine. No. 887,981; May 19; Sp. p. 3339; Dr. p. 701; Gaz. vol. 134; p. 601.
- Storm, C. E., Trowbridge, Ill. Corn-husking machine. No. 889,983; June 9; Sp. p. 1563; Dr. p. 353; Gaz. vol. 134; p. 1338.
- Storm, C. E., Trowbridge, Ill. Stalk-stripping mechanism for corn-harvesters. No. 890,579; June 9; Sp. p. 2771; Dr. p. 612; Gaz. vol. 134; p. 1534.
- Storm, J. H., Jr., assignor of one-half to P. H. Van Haselen, Amersfoort, Netherlands. Apparatus for removing paint. No. 887,743; May 12; Sp. p. 2845; Dr. p. 601; Gaz. vol. 134; p. 493.
- Storms, G. (See Rhodes, W. H., assignor.)
- Storms, J. B., Albion, N. Y. Mold for fence-posts. No. 904,098; Nov. 17; Sp. p. 3171; Gaz. vol. 137; p. 575.
- Storms, S. B., Minneapolis, Minn. Window-sash support. No. 899,273; Sept. 22; Sp. p. 4036; Dr. p. 862; Gaz. vol. 136; p. 748.
- Storey, P. M. (See Morrison, G. L., assignor.)
- Storrer, L. W., San Francisco, Cal. Insulator. No. 882,803; Mar. 24; Sp. p. 4596; Dr. p. 979; Gaz. vol. 133; p. 852.
- Story & Co., J. T. (See Stevenson and Story, assignors.)
- Story, J. H. (See Heath and Story.)
- Story, J. T. (See Stevenson and Story.)
- Story, M. F., *et al.* (See Gregory, J. W., assignor.)
- Stose, C. E., assignor of forty one-hundredths to W. Munch, Kansas City, Mo. Window construction. No. 885,703; Apr. 21; Sp. p. 4172; Dr. p. 874; Gaz. vol. 133; p. 1911.
- Stosick, J. J., South Milwaukee, Wis. Chain hoist. No. 897,560; Sept. 1; Sp. p. 658; Dr. p. 138; Gaz. vol. 136; p. 103.
- Stott, D. M., assignor of one-half to H. E. Argo, Chicago, Ill. Equalizer and separator for steam. No. 902,016; Oct. 27; Sp. p. 4087; Dr. p. 829; Gaz. vol. 136; p. 1802.
- Stottko, H. H. (See Wolter and Stottko.)
- Stottlemeyer, C. U. (See Pryor, R. C., assignor.)
- Stottum, H. R., Chicago, Ill. Advertising device. No. 907,648; Dec. 22; Sp. p. 4974; Gaz. vol. 137; p. 1896.
- Stotz, C., Bellevue, Ohio. Refrigerator-latch. No. 888,364; May 19; Sp. p. 4059; Dr. p. 855; Gaz. vol. 134; p. 723.
- Stoughton, J. M. (See Hess and Stoughton.)
- Stoughton Rubber Company. (See Burnham, I. F., assignor.)
- Stout, D. M. (See Linhoff, W., assignor.)
- Stout, J. F., Clayton, Ind. Mail-delivery system. No. 875,864; Jan. 7; Sp. p. 346; Dr. p. 77; Gaz. vol. 132; p. 64.
- Stout, O. E., Ozark, Ill. Electric mail delivering and collecting machine. No. 901,847; Oct. 20; Sp. p. 3724; Dr. p. 757; Gaz. vol. 136; p. 1716.
- Stout, R. P. (See Meigs and Stout.)
- Stout, W. H. A., Philadelphia, Pa. Trunk. No. 876,025; Jan. 7; Sp. p. 657; Dr. p. 141; Gaz. vol. 132; p. 114.
- Stout, W. W., Waltz township, Wabash county, Ind. Corrugating device. No. 896,170; Aug. 18; Sp. p. 2756; Dr. p. 593; Gaz. vol. 135; p. 1395.
- Stoutenbop, R. V. D., Hollis, N. Y. Hinge-clamp. No. 902,343; Oct. 27; Sp. p. 4772; Dr. p. 962; Gaz. vol. 136; p. 1908.
- Stovall, S. P., Lampasas, Tex. Shaft-support. No. 907,537; Dec. 22; Sp. p. 4706; Gaz. vol. 137; p. 1860.
- Stover, A. M., Guthrie Center, Iowa. Rotatable table. No. 907,649; Dec. 22; Sp. p. 4975; Gaz. vol. 137; p. 1896.
- Stover, B. H., La Crosse, Kans. Adjustable hame. No. 887,146; May 12; Sp. p. 1598; Dr. p. 339; Gaz. vol. 134; p. 294.
- Stover, C. L. (See White and Stover.)
- Stover, D. C. (See Schryer and Stover.)
- Stover Engine Works. (See Schryer and Stover, assignors.)
- Stover, G. F. (See McIlvain and Stover.)
- Stover, P., Visalia, Cal. Railway-rail joint. No. 892,328; June 30; Sp. p. 6359; Dr. p. 1371; Gaz. vol. 134; p. 2205.
- Stover, S. B., assignor of one-half to A. W. McPherson, San Diego, Cal. Mail-bag catcher and deliverer. No. 887,355; May 12; Sp. p. 2078; Dr. p. 436; Gaz. vol. 134; p. 364.
- Stow, H. E., Windsor, N. Y. Pneumatic pad. No. 900,610; Oct. 6; Sp. p. 1161; Dr. p. 236; Gaz. vol. 136; p. 1251.
- Stowe, B. A., assignor to Jandus Electric Company, Cleveland, Ohio. Arc-lamp. No. 895,594; Aug. 11; Sp. p. 1640; Dr. p. 346; Gaz. vol. 135; p. 1189.
- Stowe, F. F., Worcester, Mass. Electric-car truck. No. 902,017; Oct. 27; Sp. p. 4088; Dr. pp. 829-30; Gaz. vol. 136; p. 1802.
- Stowe, W. A., Worcester, Mass., assignor to Sill Stove Works, Rochester, N. Y. Adjustable top for cooking-stoves. No. 878,252; Feb. 4; Sp. p. 740; Dr. p. 149; Gaz. vol. 132; p. 967.
- Strachan, W., assignor of one-half to N. H. Campbell, St. Thomas, N. D. Jar-cover. No. 885,103; Apr. 21; Sp. p. 2929; Dr. p. 622; Gaz. vol. 133; p. 1718.
- Strache, H., Vienna, Austria-Hungary. Generating water-gases. No. 898,803; Sept. 15; Sp. p. 3121; Dr. p. 668; Gaz. vol. 136; p. 567.
- Stradley, J. V., assignor to Minneapolis Threshing Machine Co., Minneapolis, Minn. Corn-sheller. No. 882,723; Mar. 24; Sp. p. 4437; Dr. p. 943; Gaz. vol. 133; p. 826.
- Stragiotti, P., Berkeley, Cal. Reinforced concrete construction. No. 882,216; Mar. 17; Sp. p. 3458; Dr. pp. 735-6; Gaz. vol. 133; p. 625.
- Straight, A. W., Chicago, Ill. Safety-pin. No. 882,917; Mar. 24; Sp. p. 4832; Dr. p. 1025; Gaz. vol. 133; p. 889.
- Straight, R. C., Dearborn, Mich. Conveyor. No. 886,891; May 5; Sp. p. 1117; Dr. pp. 233-4; Gaz. vol. 134; p. 183.
- Strain, J. J., Christchurch, New Zealand. Hot-water-service attachment to the burners of gas heater stoves or to the gas-rings used for heating pots, irons, &c. No. 902,119; Oct. 27; Sp. p. 4288; Dr. p. 869; Gaz. vol. 136; p. 1834.
- Strain, R., El Modena, assignor to F. Stebler and A. A. Gamble, Riverside, Cal. Fruit grading or assorting machine. No. 888,408; May 19; Sp. p. 4156; Dr. p. 878; Gaz. vol. 134; p. 737.
- Strait & Richards. (See Richards, V. I., assignor.)
- Strand, J. B., J. H. Haugen, W. Coesfeld, and G. Fischrupp, Chicago, Ill. Sofa-bed. No. 887,982; May 19; Sp. p. 3341; Dr. pp. 701-2; Gaz. vol. 134; p. 601.
- Strang, E. A., Cleveland, Ohio. Rubber foothold. No. 891,384; June 23; Sp. p. 4460; Dr. p. 971; Gaz. vol. 134; p. 1863.
- Strange, A. A. (See Anderson, W., assignor.)
- Strange, E. H., and C. A. Pim, Staple Inn, London, England. Manufacturing thin sheets, foil, strips, or ribbons of zinc, lead, or other metal or alloy. No. 905,758; Dec. 1; Sp. p. 1278; Gaz. vol. 137; p. 1192.
- Strange, T. A. L., Thrasher, Miss. Logging-cart. No. 891,385; June 23; Sp. p. 4462; Dr. pp. 971-2; Gaz. vol. 134; p. 1863.
- Stranzenbach, H. (See Kronenberg and Stranzenbach.)
- Strasburg, F. E., Rumford Falls, Me., assignor to Continental Paper Bag Company. Bunching and counting machine. No. 900,611; Oct. 6; Sp. p. 1162; Dr. p. 237; Gaz. vol. 136; p. 1251.
- Strasburg, F. E., Rumford Falls, Me., assignor to Continental Paper Bag Company. Web-reeling mechanism. No. 903,518; Nov. 10; Sp. p. 1968; Gaz. vol. 137; p. 354.
- Strasburger, F. C. H., assignor to Bottlers Machinery Manufacturing Company, Chicago, Ill. Float-valve for filling-machines. No. 883,254; Mar. 31; Sp. p. 5510; Dr. p. 1175; Gaz. vol. 133; p. 1030.
- Strassberger, R. W., Weehawken, N. J. Card for wrapping thread, braid, &c. No. 897,173; Aug. 25; Sp. p. 4830; Dr. p. 1028; Gaz. vol. 135; p. 1747.
- Strassburger, L. (See Sternau, Steppe, and Strassburger.)
- Strasser, L., Charlottenburg, Germany. Accumulator-electrode. No. 894,238; July 28; Sp. p. 3896; Gaz. vol. 135; p. 690.

Alphabetical list of patentees—Continued.

- Strater, T. G., Boston, Mass. Fluid-drawer. No. 881,208; Mar. 10; Sp. p. 1417; Dr. p. 306; Gaz. vol. 133; p. 271.
- Strater, T. G., West Tisbury, Mass. Fluid-drawer. No. 903,913; Nov. 17; Sp. p. 2800; Gaz. vol. 137; p. 514.
- Stratton, A., deceased, (J. Stratton, administratrix,) assignor of one-half to W. Craddock, Lake City, Ark. Clothes-pin. No. 883,060; Mar. 24; Sp. p. 5098; Dr. p. 1088; Gaz. vol. 133; p. 935.
- Stratton, F., Buffalo, N. Y. Body for vehicles. No. 876,026; Jan. 7; Sp. p. 658; Dr. pp. 141-2; Gaz. vol. 132; p. 144.
- Stratton, G. C., assignor to R. L. Warren and F. E. Cramer, Camden, N. J. Trolley-wheel for electric cars. No. 887,439; May 12; Sp. p. 2266; Dr. p. 474; Gaz. vol. 134; p. 392.
- Stratton, J., administratrix. (See Stratton, A.)
- Stratton, J. A., Chicago, Ill. Means for transmitting electric currents with increased energy. No. 882,026; Mar. 17; Sp. p. 3103; Dr. p. 660; Gaz. vol. 133; p. 566.
- Stratton, J. A., Chicago, Ill. Field-magnet winding. No. 888,050; May 19; Sp. p. 3471; Dr. p. 727; Gaz. vol. 134; p. 622.
- Stratton, W. E., New York, N. Y. Coin-controlled ticket-vending machine. No. 903,914; Nov. 17; Sp. p. 2802; Gaz. vol. 137; p. 514.
- Straub, J. L. (See Sachs, E., assignor.)
- Straub, J. L., Lancaster, Pa., assignor of one-half to E. Sachs, Schweinfurt-on-the-Main, Germany. Ball-bearing. No. 887,356; May 12; Sp. p. 2079; Dr. p. 436; Gaz. vol. 134; p. 365.
- Straubel, R., assignor to Firm of C. Zeiss, Jena, Germany. Binocular telescope. No. 886,435; May 5; Sp. p. 186; Dr. p. 41; Gaz. vol. 134; p. 35.
- Straubel, R., assignor to Firm of C. Zeiss, Jena, Germany. Appliance for measuring distances. No. 897,174; Aug. 25; Sp. p. 4830; Dr. p. 1028; Gaz. vol. 135; p. 1747.
- Straubel, R., and J. Heckel, assignors to Firm of C. Zeiss, Jena, Germany. Double telescope. No. 886,436; May 5; Sp. p. 187; Dr. p. 41; Gaz. vol. 134; p. 36.
- Straubhaar, A., Paterson, N. J. Window. No. 878,253; Feb. 4; Sp. p. 742; Dr. p. 149; Gaz. vol. 132; p. 968.
- Strauss, E. A., Chicago, Ill. Safe or vault door. No. 901,047; Oct. 13; Sp. p. 2060; Dr. p. 419; Gaz. vol. 136; p. 1419.
- Strauss, F., New York, N. Y. Harmonica. No. 880,109; Feb. 25; Sp. p. 4578; Dr. p. 964; Gaz. vol. 132; p. 1679.
- Strauss, F., New York, N. Y. Whistle. No. 889,345; June 2; Sp. p. 297; Dr. p. 70; Gaz. vol. 134; p. 1106.
- Strauss, F., Milwaukee, Wis. Bottle or receptacle for liquids for medical and other uses. No. 895,812; Aug. 11; Sp. p. 2086; Dr. p. 442; Gaz. vol. 135; p. 1259.
- Strauss, F., Norfolk, Va. Attachment for trunks. No. 905,759; Dec. 1; Sp. p. 1279; Gaz. vol. 137; p. 1192.
- Strauss, J. B., Chicago, Ill. Trolley-wire supporting device for bascule-bridges. No. 887,868; May 19; Sp. p. 3121; Dr. p. 655; Gaz. vol. 134; p. 564.
- Strauss, J. B., Chicago, Ill. Bascule-bridge. No. 894,239; July 28; Sp. p. 3897; Dr. p. 805; Gaz. vol. 135; p. 690.
- Strauss, M. M., Chicago, Ill. Combined button and garment supporter. No. 882,027; Mar. 17; Sp. p. 3108; Dr. p. 661; Gaz. vol. 133; p. 566.
- Strauss, M. M., Chicago, Ill. Combined shipping-package and hanger for garments. No. 888,201; May 19; Sp. p. 3746; Dr. p. 787; Gaz. vol. 134; p. 670.
- Straw, W. P., Manchester, N. H. Loom-shuttle and filling-carrier therefor. No. 906,748; Dec. 15; Sp. p. 3162; Gaz. vol. 137; p. 1567.
- Strawn, T. L., *et al.* (See Gilman, J. L., assignor.)
- Streator Metal Stamping Company. (See Halladay, L. P., assignor.)
- Streb, R. C., Buffalo, N. Y., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 898,282; Sept. 8; Sp. p. 2115; Dr. p. 450; Gaz. vol. 136; p. 366.
- Streibel, L., assignor to Globe Machine & Stopper Company, New York, N. Y. Bottle-filling machine. No. 882,849; Mar. 24; Sp. p. 4694; Dr. pp. 998-9; Gaz. vol. 133; p. 867.
- Streep, F. S. (See Robinson, C. L., assignor.)
- Street, J. and J. H., Chattanooga, Tenn. Heading and shingle machine. No. 876,502; Jan. 14; Sp. p. 1651; Dr. p. 358; Gaz. vol. 132; p. 301.
- Street, J. and J. H., Chattanooga, Tenn. Shingle and heading machine. No. 885,201; Apr. 21; Sp. p. 3153; Dr. p. 662; Gaz. vol. 133; p. 1751.
- Street, J. H., *et al.* (See Senter, J. F., assignor.)
- Street, J. H. (See Street, J. and J. H.)
- Streeter, A. L., Chicago, Ill. Journal-bearing. No. 884,050; Apr. 7; Sp. p. 770; Dr. p. 160; Gaz. vol. 133; p. 1316.
- Streeter, A. L., Chicago, Ill. Railway-brake. No. 889,984; June 9; Sp. p. 1566; Dr. pp. 353-4; Gaz. vol. 134; p. 1339.
- Streeter-Amet Weighing & Recording Company. (See Goetz, G., assignor.)
- Streeter, N. R., Syracuse, N. Y. Sad-iron. No. 886,736; May 5; Sp. p. 823; Dr. p. 169; Gaz. vol. 134; p. 136.
- Streib, J. F., Avalon, assignor to Pressed Steel Car Company, Pittsburg, Pa. Tank-car. No. 898,152; Sept. 8; Sp. p. 1874; Dr. p. 400; Gaz. vol. 136; p. 326.
- Streich, F. (See Overkamp and Streich.)
- Streich, F., Chicago, assignor, by mesne assignments, to Champion Machinery Company, Joliet, Ill. Dough-divider. No. 891,507; June 23; Sp. p. 4706; Dr. p. 1019; Gaz. vol. 134; p. 1903.
- Streich, R., Chicago, Ill. Advertising device. No. 894,988; Aug. 4; Sp. p. 430; Dr. p. 88; Gaz. vol. 135; p. 964.
- Strens, J. F., Stewardson, Ill. Sliding-door lock. No. 875,747; Jan. 7; Sp. p. 135; Dr. p. 30; Gaz. vol. 132; p. 27.
- Stresenreuter, F. M. (See Horsfield, J., assignor.)
- Striebeck, R., Grunewald, near Berlin, Germany. Latten (yellow brass). No. 887,540; May 12; Sp. p. 2470; Gaz. vol. 134; p. 425.
- Striebeck, R. H., Grunewald, near Berlin, Germany. Means for securing percussion-caps in cartridges. No. 898,802; Sept. 15; Sp. p. 8120; Dr. p. 668; Gaz. vol. 136; p. 567.
- Stricker, C. H. J., and E. Meyer, San Antonio, Tex. Time-strike for watch and clock movements. No. 884,686; Apr. 14; Sp. p. 2092; Dr. p. 447; Gaz. vol. 133; p. 1552.
- Strickland, B., Compass Lake, assignor of one-half to J. C. Jones, Greenhead, Fla. Car-replacer. No. 897,673; Sept. 1; Sp. p. 875; Dr. p. 187; Gaz. vol. 136; p. 139.
- Strickland, F. M., East Lake, Ala. Railway-crossing. No. 908,351; Dec. 29; Sp. p. 6459; Gaz. vol. 137; p. 2162.
- Strickler, J. C., San Francisco, Cal. Can-body machine. No. 888,202; May 19; Sp. p. 3747; Dr. p. 787; Gaz. vol. 134; p. 670.
- Strickler, M., *et al.* (See Fish, J., assignor.)
- Strickler, M., Hummelstown, Pa. Label-cutting attachment for boxes. No. 893,276; July 14; Sp. p. 1793; Dr. p. 377; Gaz. vol. 135; p. 324.
- Striker, W. E., and J. F. Grissinger, Scio, Ohio. Rail-fastener and anticreeper. No. 891,746; June 23; Sp. p. 5201; Dr. p. 1124; Gaz. vol. 134; p. 1982.
- Stringham, F., Manitou, Colo. Amalgamator. No. 900,965; Oct. 13; Sp. p. 1908; Dr. p. 388; Gaz. vol. 136; p. 1392.
- Stringham, J. H., Jersey City, N. J., and J. B. Elmendorf, New York, N. Y., assignors to American Combustion Company. Nebulizer of the heavier liquid hydrocarbons. No. 876,108; Jan. 7; Sp. p. 826; Dr. p. 178; Gaz. vol. 132; p. 140.
- Stripe, H. G., *et al.* (See Haan, P. C., assignor.)
- Stripe, H. G. (See Wood, N. B., assignor.)
- Strnad, A. (See Wagner and Strnad.)
- Stro, M. E., Grangeville, Idaho. Extracting butter-fat from fresh milk or cream. No. 889,060; May 26; Sp. p. 5500; Gaz. vol. 134; p. 983.
- Strobel, V. O. (See Hogrebe and Strobel.)
- Strobel, V. O., and A. E. Hogrebe, Philadelphia, Pa., assignors to Niles-Bement-Pond Company, Jersey City, N. J. Traveling hoist. No. 894,916; Aug. 4; Sp. p. 253; Dr. p. 55; Gaz. vol. 135; p. 939.
- Strodel, F. A., assignor to C. C. Bradley, Sr., Syracuse, N. Y. Thill-iron. No. 905,113; Nov. 24; Sp. p. 5303; Gaz. vol. 137; p. 944.
- Ströh, A., Hooper, Nebr. Machine for making cement building-blocks. No. 907,299; Dec. 22; Sp. p. 4250; Gaz. vol. 137; p. 1782.
- Strohbach, O. (See Aloys and Strohbach.)
- Strohkorb, C., Berlin, Germany. Carriage foot-brake. No. 892,769; July 7; Sp. p. 734; Dr. p. 155; Gaz. vol. 135; p. 127.
- Strohm, F. W. (See Draper and Strohm.)
- Strom, A. P., Cleveland, assignor to Dayton Pneumatic Tool Company, Dayton, Ohio. Portable pneumatic drill. No. 907,096; Dec. 15; Sp. p. 3793; Gaz. vol. 137; p. 1675.
- Strom, E. N., assignor to Pettibone, Mulliken & Co., Chicago, Ill. Railway-frog. No. 888,203; May 19; Sp. p. 3751; Dr. p. 788; Gaz. vol. 134; p. 670.
- Strom, E. N., assignor to Pettibone, Mulliken & Co., Chicago, Ill. Device for throwing railway-switches. No. 888,409; May 19; Sp. p. 4158; Dr. pp. 879-80; Gaz. vol. 134; p. 737.
- Strom, E. N., Austin, assignor to Pettibone, Mulliken & Co., Chicago, Ill. Switch-stand. No. 888,410; May 19; Sp. p. 4160; Dr. pp. 880-1; Gaz. vol. 134; p. 738.
- Strom, H., Hillsboro, N. D. Excavating-machine. No. 893,398; July 14; Sp. p. 2017; Dr. p. 423; Gaz. vol. 135; p. 363.
- Strom, J. A., Pullman, Ill. Radiator. No. 877,011; Jan. 21; Sp. p. 2732; Dr. pp. 591-2; Gaz. vol. 132; p. 512.
- Strom, W. A. (See McClure, W. D., assignor.)

Alphabetical list of patentees—Continued.

- Strömbäck, E. H. T., Stockholm, Sweden. Tongs for fixing eyes and hooks. No. 894,470; July 28; Sp. p. 4378; Dr. p. 904; Gaz. vol. 135; p. 767.
- Stromberg, A. (See Birsfield, J. A., assignor.)
- Stromberg, A. (See Coulter, H. M., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Babcock, G., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Birsfield, J. A., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Conner, M. S., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Davis, W. M., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Dunham, B. G., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Goldberg, J. S., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Hawkins, E. A., assignor.)
- Stromberg Electric Mfg. Co. (See Perry, G. E., assignor.) (Reissue.)
- Stromborg, F. O., Youngstown, Ohio. Maintaining a constantly-open feeding-passage into the interior of molten baths. No. 905,948; Dec. 8; Sp. p. 1645; Gaz. vol. 137; p. 1284.
- Stromgren, G. A. (See Stromgren, G. A. and G. A.)
- Stromgren, G. A. and G. A., Oakland, Cal. Rotary drawer. No. 898,153; Sept. 8; Sp. p. 1876; Dr. p. 401; Gaz. vol. 136; p. 326.
- Strong, A., Muskegon, Mich. Pipe-cutter. No. 882,536; Apr. 14; Sp. p. 1756; Dr. p. 377; Gaz. vol. 133; p. 1502.
- Strong, F. F., Boston, Mass. Apparatus for converting direct current into alternating current. No. 885,394; Apr. 21; Sp. p. 3566; Dr. p. 747; Gaz. vol. 133; p. 1816.
- Strong, F. F., Boston, Mass. Portable telephone apparatus. No. 898,699; Sept. 15; Sp. p. 2936; Dr. p. 629; Gaz. vol. 136; p. 534.
- Strong, G., London, England. Cabinet or nest of trays. No. 884,428; Apr. 14; Sp. p. 1531; Dr. pp. 327-8; Gaz. vol. 133; p. 1467.
- Strong, H. B., Cleveland, Ohio. Pile-driver. No. 902,120; Oct. 27; Sp. p. 4289; Dr. p. 869; Gaz. vol. 136; p. 1834.
- Strong, J. B., Hillburn, and G. E. Haring, Suffern, assignors to Ramapo Iron Works, Hillburn, N. Y. Railway-frog. No. 895,698; Aug. 11; Sp. p. 1840; Dr. p. 391; Gaz. vol. 135; p. 1223.
- Strong, M. H., assignor of one-half to S. E. Bronson, Ozark, Mo. Insulator. No. 889,884; June 2; Sp. p. 1351; Dr. p. 308; Gaz. vol. 134; p. 1280.
- Strong Machinery & Supply Co. (See Chase, D., assignor.)
- Strong, W., Johannesburg, Transvaal. Chair for street-railway and like rails. No. 887,541; May 12; Sp. p. 2471; Dr. p. 521; Gaz. vol. 134; p. 425.
- Strong, W. B., Easthampton, Mass. Apparatus for operating windows. No. 906,749; Dec. 15; Sp. p. 3163; Gaz. vol. 137; p. 1567.
- Strong, W. H., Sardinia, assignor, by mesne assignments, to U. S. Standard Voting Machine Co., Rochester, N. Y. Voting-machine. No. 889,985; June 9; Sp. p. 1568; Dr. p. 354; Gaz. vol. 134; p. 1339.
- Strong, W. H., assignor to U. S. Standard Voting Machine Company, Rochester, N. Y. Voting-machine. No. 890,814; June 16; Sp. p. 3303; Dr. pp. 723-4; Gaz. vol. 134; p. 1645.
- Strong, W. W., Chicago, Ill. Receptacle. No. 890,194; June 9; Sp. p. 2008; Dr. p. 442; Gaz. vol. 134; p. 1410.
- Stroock, S. M., Philadelphia, Pa., assignor to Automatic Inventions Company. Vending-machine. No. 897,801; Sept. 1; Sp. p. 1144; Dr. p. 244; Gaz. vol. 136; p. 181.
- Stroope, J., Lyra, Tex., assignor to Heine Safety Boiler Company, St. Louis, Mo. Mud-drum for boilers. No. 888,127; May 19; Sp. p. 3615; Dr. p. 757; Gaz. vol. 134; p. 646.
- Stroschein, E. A., Cottonwood, Minn. Gravel-loader. No. 881,741; Mar. 10; Sp. p. 2484; Dr. p. 535; Gaz. vol. 133; p. 443.
- Stroud, C. M., Hastings, Minn. Reversing device for explosive-engines. No. 890,815; June 16; Sp. p. 3309; Dr. p. 724; Gaz. vol. 134; p. 1646.
- Strout, H. F., et al., trustees. (See Kovach, F. J., assignor.)
- Strowd, R. L. (See Byrd, B. E., assignor.)
- Strubhar, C. O., Washington, Ill. Hay and hog rack. No. 879,209; Feb. 18; Sp. p. 2707; Dr. p. 564; Gaz. vol. 132; p. 1351.
- Struble, A., Carthage, Ill. Corn-grader. No. 885,395; Apr. 21; Sp. p. 3568; Dr. p. 747; Gaz. vol. 133; p. 1816.
- Struble, J. B., Wilkinsburg, Pa. Lightning-arrester. No. 901,207; Oct. 13; Sp. p. 2348; Dr. p. 480; Gaz. vol. 136; p. 1469.
- Struble, J. B., New York, N. Y., assignor to Union Switch and Signal Company, Swissvale, Pa. Railway signaling. No. 894,471; July 28; Sp. p. 4379; Dr. p. 904; Gaz. vol. 135; p. 768.
- Struble, J. B., assignor to Union Switch & Signal Company, Swissvale, Pa. Centrifugally-actuated train-stop. No. 897,321; Sept. 1; Sp. p. 132; Dr. p. 27; Gaz. vol. 136; p. 20.
- Struble, J. B., assignor to Union Switch & Signal Company, Swissvale, Pa. Alternating-current block-signaling system. No. 899,353; Sept. 22; Sp. p. 4166; Dr. p. 892; Gaz. vol. 136; p. 773.
- Struble, J. B., and E. R. Coe, Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Electromagnetic valve-operating mechanism. No. 906,331; Dec. 8; Sp. p. 2389; Gaz. vol. 137; p. 1410.
- Struck, G., Hamburg, Germany. Device for evaporating water in heating apparatus for heating buildings and the like. No. 894,077; July 21; Sp. p. 3547; Dr. p. 727; Gaz. vol. 135; p. 618.
- Struck, R. (See Wolf and Struck.)
- Struller, O., assignor of one-half to F. J. O. Scoda, New York, N. Y. Automatic self-igniting gas-burner. No. 890,313; June 9; Sp. p. 2277; Dr. p. 502; Gaz. vol. 134; p. 1449.
- Strunk, A. J., Bunch, Iowa. Wagon-brake. No. 888,270; May 19; Sp. p. 3877; Dr. p. 816; Gaz. vol. 134; p. 694.
- Strutz, C. O., Washington, Mo. Pipe-topping machine. No. 878,685; Feb. 11; Sp. p. 1687; Dr. p. 349; Gaz. vol. 132; p. 1144.
- Stryker, R. D., Huron, Ohio. Grain-door. No. 886,090; Apr. 28; Sp. p. 4985; Dr. p. 1049; Gaz. vol. 133; p. 2069.
- Stuart, C. H., Newark, N. Y. Spark-plug protector. No. 891,112; June 16; Sp. p. 3884; Dr. p. 850; Gaz. vol. 134; p. 1740.
- Stuart, C. J., Montreal, Quebec, Canada. Speed-meter. No. 895,121; Aug. 4; Sp. p. 697; Dr. p. 145; Gaz. vol. 135; p. 1009.
- Stuart, E. L., and S. A. Conine, New Hamburg, N. Y. Device for turning nursing-nipples. No. 890,885; June 16; Sp. p. 3428; Dr. p. 751; Gaz. vol. 134; p. 1667.
- Stuart, G. S., Hollidaysburg, Pa. Automatic force or suction draft. No. 886,268; Apr. 28; Sp. p. 5318; Dr. pp. 1119-20; Gaz. vol. 133; p. 2128.
- Stuart, H. R., Wheeling, W. Va. Telephonograph. No. 890,195; June 9; Sp. p. 2010; Dr. p. 443; Gaz. vol. 134; p. 1410.
- Stuart, H. R., Wheeling, W. Va. Telephonograph. No. 893,277; July 14; Sp. p. 1795; Dr. pp. 377-8; Gaz. vol. 135; p. 324.
- Stuart, H. R., Wheeling, W. Va. Telephonograph. No. 893,278; July 14; Sp. p. 1800; Dr. p. 378; Gaz. vol. 135; p. 324.
- Stuart, H. R., Wheeling, W. Va. Telephonograph. No. 898,283; Sept. 8; Sp. p. 2118; Dr. pp. 450-1; Gaz. vol. 136; p. 367.
- Stuart, H. R., Wheeling, W. Va. Apparatus for recording and reproducing by the telephonograph principle. No. 901,397; Oct. 20; Sp. p. 2783; Dr. p. 566; Gaz. vol. 136; p. 1570.
- Stuart, H. R., Wheeling, W. Va. Magnet for telegraphones. No. 902,773; Nov. 3; Sp. p. 465; Gaz. vol. 137; p. 81.
- Stuart, J., Allegheny, Pa. Gearing. No. 877,678; Jan. 28; Sp. p. 4091; Dr. p. 885; Gaz. vol. 132; p. 752.
- Stuart, J., Allegheny, Pa. Mechanical movement. No. 894,078; July 21; Sp. p. 3547; Dr. p. 727; Gaz. vol. 135; p. 618.
- Stuart, L. (See Crozier and Stuart.)
- Stubbers, J., Covington, Ky., assignor to Incandescent Light & Stove Company, Cincinnati, Ohio. Incandescent-lamp fixture. No. 901,494; Oct. 20; Sp. p. 3010; Dr. p. 614; Gaz. vol. 136; p. 1602.
- Stubblefield, N. B., assignor of twelve and one-half one-hundredths to C. Linn, five one-hundredths to R. Downs, five one-hundredths to B. F. Schroeder, five one-hundredths to G. C. McLarin, five one-hundredths to J. P. McElrath, two and one-half one-hundredths to J. D. Roulett, and one-twentieth to S. E. Bynum, Murray, Ky. Wireless telephone. No. 887,357; May 12; Sp. p. 2081; Dr. pp. 436-7; Gaz. vol. 134; p. 365.
- Stubenrauch, H. F., Chicago, Ill. Shoe-brush. No. 898,998; Sept. 15; Sp. p. 3468; Dr. p. 743; Gaz. vol. 136; p. 631.
- Stuber, J., assignor of one-half to H. G. Kuck, Peoria, Ill. Culinary vessel. No. 898,284; Sept. 8; Sp. p. 2123; Dr. p. 451; Gaz. vol. 136; p. 367.
- Stuber & Kuck. (See Kuck, H. G., assignor.)
- Stubert, H., assignor of one-half to D. Thomas, New Kensington, Pa. Toy. No. 895,312; Aug. 4; Sp. p. 1092; Dr. p. 229; Gaz. vol. 135; p. 1074.
- Stüben, G., Erfurt, Germany. Storm-lantern. No. 876,109; Jan. 7; Sp. p. 832; Dr. p. 178; Gaz. vol. 132; p. 141.
- Stüben, G., Erfurt, Germany. Storm-lantern. No. 903,023; Nov. 3; Sp. p. 995; Gaz. vol. 137; p. 163.
- Stuck, E. L., Plover, Wis. Force-feed lubricator. No. 879,210; Feb. 18; Sp. p. 2708; Dr. p. 565; Gaz. vol. 132; p. 1352.
- Stuck, W., and W. F. Bosdorfer, assignors to J. C. McClaskey, Indianapolis, Ind. Holder for lace-curtains and window-shades. No. 905,949; Dec. 8; Sp. p. 1646; Gaz. vol. 137; p. 1284.
- Stuckes, J., St. Louis, Mo. Making candy. No. 896,596; Aug. 18; Sp. p. 3615; Gaz. vol. 135; p. 1535.
- Stucki, A., Pittsburg, Pa., assignor to Forsyth Brothers Company, Chicago, Ill. Friction draft-gear for railway-cars. No. 878,321; Feb. 4; Sp. p. 872; Dr. p. 174; Gaz. vol. 132; p. 989.
- Stucklé, H. W. de, Dieuze, Germany. Zinc sulfid pigment and producing the same. No. 884,874; Apr. 14; Sp. p. 2476; Gaz. vol. 133; p. 1615.
- Studer, R., San Jose, Cal. Hoop. No. 891,386; June 23; Sp. p. 4464; Dr. p. 972; Gaz. vol. 134; p. 1864.
- Studd, F. W. (See Roberts and Studd.)

Alphabetical list of patentees—Continued.

- Stuebner, G. L., Flushing, N. Y. Self-closing dumping bucket. No. 884,687; Apr. 14; Sp. p. 2094; Dr. p. 447; Gaz. vol. 133; p. 1553.
- Stuewe, O. H., and R. G. Marquardt, Milwaukee, Wis. Wire fabric. No. 907,914; Dec. 29; Sp. p. 5535; Gaz. vol. 137; p. 2013.
- Stuffelbam, A. J. (See Foxworthy, E. E., assignor.)
- Stuhlmueller, W., New York, N. Y. Preparation for removing paint and varnish. No. 885,396; Apr. 21; Sp. p. 3569; Gaz. vol. 133; p. 1816.
- Stuke, E., Meridian, Miss. Internal-combustion engine. No. 875,965; Jan. 7; Sp. p. 348; Dr. p. 78; Gaz. vol. 132; p. 65.
- Stuker, S. J., assignor to W. C. Ritchie & Company, Chicago, Ill. Box. No. 879,337; Feb. 18; Sp. p. 2948; Dr. p. 615; Gaz. vol. 132; p. 1394.
- Stukes, J. M., Austin, Tex., assignor to Texas Pure Food Company. Flavoring compound. No. 877,806; Jan. 28; Sp. p. 4307; Gaz. vol. 132; p. 791.
- Stukey, P., Auburn, Ind. Device for repairing fractured jaws. No. 873,577; Feb. 11; Sp. p. 1479; Dr. p. 300; Gaz. vol. 132; p. 1109.
- Stukey, P., Auburn, Ind. Device for repairing fractured jaws. (Reissue.) No. 12,794; May 19; Sp. p. 4256; Dr. p. 901; Gaz. vol. 134; p. 753.
- Stull, E. W., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. Field-coil support. No. 890,539; June 9; Sp. p. 2692; Dr. p. 593; Gaz. vol. 134; p. 1520.
- Stull, E. W., Norwood, Ohio, assignor to Allis-Chalmers Company. Controller. No. 900,612; Oct. 6; Sp. p. 1165; Dr. p. 237; Gaz. vol. 136; p. 1251.
- Stull, E. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Controller. No. 884,345; Apr. 7; Sp. p. 1354; Dr. pp. 289-90; Gaz. vol. 133; p. 1410.
- Stull, E. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Controller. No. 892,464; July 7; Sp. p. 145; Dr. p. 31; Gaz. vol. 135; p. 29.
- Stull, E. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. System of control. No. 897,031; Aug. 25; Sp. p. 4563; Dr. p. 973; Gaz. vol. 135; p. 1701.
- Stull, E. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Motor-control system. No. 902,621; Nov. 3; Sp. p. 178; Gaz. vol. 137; p. 30.
- Stull, E. W., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Controller construction. No. 903,338; Nov. 10; Sp. p. 1607; Gaz. vol. 137; p. 294.
- Stump, A. L., and F. Brucker, assignors to Shelby Spring Hinge Company, Shelby, Ohio. Spring-hinge. No. 880,596; Mar. 3; Sp. p. 223; Dr. p. 47; Gaz. vol. 133; p. 39.
- Stump, I. E., assignor to A. W. Margileth, Cleveland, Ohio. Ticket-holder. No. 877,253; Jan. 21; Sp. p. 3240; Dr. p. 701; Gaz. vol. 132; p. 594.
- Stump, I. E., assignor to Echo Horn Company, Cleveland, Ohio. Automobile-horn. No. 906,332; Dec. 8; Sp. p. 2391; Gaz. vol. 137; p. 1410.
- Stump, O. L., J. Reidenbaugh, and E. D. Packard, assignors to Marion Incline Filter and Heater Company, Marion, Ohio. Water-purifying apparatus. No. 883,397; Apr. 21; Sp. p. 3570; Dr. p. 747; Gaz. vol. 133; p. 1816.
- Stumpf, J., Charlottenburg, Germany. Surface-condenser system. No. 886,661; May 5; Sp. p. 638; Dr. p. 132; Gaz. vol. 134; p. 110.
- Stumpf, J., Balz, near Vietz, Germany. Sliding window. No. 901,208; Oct. 13; Sp. p. 2350; Dr. p. 481; Gaz. vol. 136; p. 1470.
- Stumpf, J., Charlottenburg, Germany, assignor to General Electric Company. Steam-turbine. No. 881,633; Mar. 10; Sp. p. 2280; Dr. p. 494; Gaz. vol. 133; p. 410.
- Sturdevant, C. R. (See Daniels and Sturdevant.)
- Sturdevant, C. R. (See Mead and Sturdevant.)
- Sturgeon, H. M. (See Sturgeon, J. C. and H. M.)
- Sturgeon, J. C. and H. M., Erie, Pa. Bag-filling machine. No. 896,952; Aug. 25; Sp. p. 4381; Dr. pp. 938-9; Gaz. vol. 135; p. 1674.
- Sturges, H. A., Omaha, Nebr. Wrench. No. 886,437; May 5; Sp. p. 189; Dr. p. 41; Gaz. vol. 134; p. 36.
- Sturges, L., Chicago, Ill. Reinforced breast for sheet-metal receptacles. No. 905,950; Dec. 8; Sp. p. 1648; Gaz. vol. 137; p. 1284.
- Sturges, W. H., *et al.* (See Payne, E. E. M., assignor.)
- Sturgess, J., Troy, N. Y. Air-compressor. No. 881,498; Mar. 10; Sp. p. 2006; Dr. p. 437; Gaz. vol. 133; p. 364.
- Sturgess, W. J., Birmingham, England. Frictional bearing for looking-glasses, &c. No. 905,760; Dec. 1; Sp. p. 1282; Gaz. vol. 137; p. 1193.
- Sturgis, E. M., and C. A. Leming, Hamilton, Ohio. Valve. No. 893,834; July 21; Sp. p. 3142; Dr. p. 645; Gaz. vol. 135; p. 552.
- Sturgis, H. M., assignor to A. Livingston, Kansas City, Mo. Pen or pencil point protector. No. 895,511; Aug. 11; Sp. p. 1473; Dr. p. 308; Gaz. vol. 135; p. 1163.
- Sturgis Steel Go-Cart Company. (See Kurz, O., assignor.)
- Sturgis Steel Go-Cart Company. (See Loshbough, A. W., assignor.)
- Sturgis Steel Go-Cart Company. (See Loshbough, J. E., assignor.)
- Sturia, A. H., Wyckoff, N. J., assignor to J. De La Rosa, New York, N. Y. Photograph-holder. No. 905,951; Dec. 8; Sp. p. 1649; Gaz. vol. 137; p. 1284.
- Sturrock, J. (See Johnson and Sturrock.)
- Sturtevant, C. A., Plainfield, N. J., assignor to E. C. Fuller Company, New York, N. Y. Packing mechanism for folding-machines. No. 879,841; Feb. 18; Sp. p. 4006; Dr. p. 3147; Gaz. vol. 132; p. 1559.
- Sturtevant Mill Company. (See Sturtevant, T. L. and T. J., assignors.)
- Sturtevant, O. S., assignor to Adrian Wire Fence Co., Adrian, Mich. Register. No. 902,022; Oct. 27; Sp. p. 4102; Dr. p. 831; Gaz. vol. 136; p. 1804.
- Sturtevant, O. S., assignor to Adrian Wire Fence Company, Adrian, Mich. Tension-spool. No. 903,616; Nov. 10; Sp. p. 2180; Gaz. vol. 137; p. 386.
- Sturtevant, T. J. (See Sturtevant, T. L. and T. J.)
- Sturtevant, T. L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Motor-vehicle. No. 897,230; Aug. 25; Sp. p. 4964; Dr. p. 1054; Gaz. vol. 135; p. 1765.
- Sturtevant, T. L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company, Portland, Me. Mechanical feeder. No. 879,423; Feb. 18; Sp. p. 3147; Dr. p. 655; Gaz. vol. 132; p. 1423.
- Sturtevant, T. L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company, Portland, Me. Crushing-mill. No. 906,829; Dec. 15; Sp. p. 3303; Gaz. vol. 137; p. 1592.
- Sturtevant, T. L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company, Portland, Me. Crushing-roll. No. 907,300; Dec. 22; Sp. p. 4253; Gaz. vol. 137; p. 1783.
- Stüssy, H. H., Sioux City, Iowa. Milk purifying and homogenizing machine. No. 900,446; Oct. 6; Sp. p. 795; Dr. pp. 163-4; Gaz. vol. 136; p. 1197.
- Stutsman, A. A., Jacksonville, Ill. Umbrella-holder. No. 901,495; Oct. 20; Sp. p. 3011; Dr. p. 615; Gaz. vol. 136; p. 1603.
- Stutsman, R. O., assignor to Bartholomew Company, Des Moines, Iowa. Tire for vehicle-wheels. No. 893,672; July 21; Sp. p. 2632; Dr. p. 551; Gaz. vol. 135; p. 483.
- Stutzman, F., Williamsport, Pa. Universal grinding-machine. No. 904,817; Nov. 24; Sp. p. 4707; Gaz. vol. 137; p. 846.
- Stryer, C. A. (See Lappin, J. W., assignor.)
- Styers, A. A., Clemmons, N. C. Basket. No. 904,026; Nov. 17; Sp. p. 3023; Gaz. vol. 137; p. 551.
- Sub-Target Gun Company. (See Stebbins, H. A., assignor.)
- Subers, L. A. (See Bayne and Subers.)
- Subert, C., Chicago, Ill. Humidifier. No. 902,622; Nov. 3; Sp. p. 181; Gaz. vol. 137; p. 30.
- Subert, C., Chicago, Ill. Humidifier. No. 902,623; Nov. 3; Sp. p. 183; Gaz. vol. 137; p. 31.
- Subert, C., Chicago, Ill. Signaling device for humidors. No. 904,099; Nov. 17; Sp. p. 3172; Gaz. vol. 137; p. 576.
- Submarine Navigation and Manufacturing Company. (See Cage, J. M., assignor.)
- Suck, A., Boston, Mass. Valve-gate and operating means therefor. No. 877,963; Feb. 4; Sp. p. 133; Dr. pp. 30-1; Gaz. vol. 132; p. 871.
- Suck, A., Boston, Mass. Gate for coal-pockets. No. 882,804; Mar. 24; Sp. p. 4598; Dr. p. 980; Gaz. vol. 133; p. 852.
- Suckert, H. C., New York, N. Y. Two-cycle explosion-engine. No. 907,196; Dec. 22; Sp. p. 4027; Gaz. vol. 137; p. 1745.
- Suess, A., Witkowitz, Austria-Hungary. Transporting apparatus. No. 882,976; Mar. 24; Sp. p. 4944; Dr. pp. 1050-1; Gaz. vol. 133; p. 909.
- Suess, J., assignor to one-half to C. Woodward, Chicago, Ill. Mechanical lubricator. No. 894,472; July 28; Sp. p. 4382; Dr. p. 905; Gaz. vol. 135; p. 768.
- Sugar, S. S. (See Kohn and Sugar.)
- Sughroue, E., Bartley, Nebr. Railway danger-signaling and telephoning apparatus. No. 886,269; Apr. 28; Sp. p. 5320; Dr. p. 1120; Gaz. vol. 133; p. 2128.
- Suhl, E. H., assignor of one-half to B. Springer, Sparks, Okla. Replanting attachment for cultivators. No. 882,355; Mar. 17; Sp. p. 3734; Dr. p. 794; Gaz. vol. 133; p. 672.
- Suhr, F., assignor of one-half to W. Schmidt, Schleswig, Iowa. Corn-harvesting machine. No. 888,411; May 19; Sp. p. 4162; Dr. pp. 881-2; Gaz. vol. 134; p. 738.
- Suiter, C., Billings, Mont. Excavator. No. 884,960; Apr. 14; Sp. p. 2634; Dr. pp. 558-61; Gaz. vol. 133; p. 1639.
- Suiter, C., Billings, Mont. Measuring-hopper. No. 903,617; Nov. 10; Sp. p. 2181; Gaz. vol. 137; p. 387.

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- Suiter, E. C., Olympia, Wash. Electric fixture. No. 902,121; Oct. 27; Sp. p. 4290; Dr. p. 869; Gaz. vol. 136; p. 1855.
- Sulfosol Company. (See Wedgefuth, L. C., assignor.)
- Suliot, M. R., Salem, Ohio, assignor of one-half to F. Klepetko, New York, N. Y. Safety device for electric cranes. No. 876,503; Jan. 14; Sp. p. 1655; Dr. p. 359; Gaz. vol. 132; p. 302.
- Sullivan, A., Toronto, Ontario, Canada, assignor to G. Jones, Chicago, Ill. Vehicle-wheel. No. 878,754; Feb. 11; Sp. p. 1819; Dr. pp. 376-7; Gaz. vol. 132; p. 1166.
- Sullivan, A. A., Austin, Tex. Cotton-handling apparatus. No. 892,912; July 7; Sp. p. 1059; Dr. p. 222; Gaz. vol. 135; p. 175.
- Sullivan, C. F., assignor to F. W. Lowe, Boston, Mass. Wire-fastener. No. 893,555; July 14; Sp. p. 2378; Dr. p. 498; Gaz. vol. 135; p. 414.
- Sullivan, C. M., assignor of one-half to L. L. Bond, Marion, Ind. Car-replacer. No. 903,115; Nov. 3; Sp. p. 1164; Gaz. vol. 137; p. 189.
- Sullivan, E., *et al.* (See Geraghty, J. P., assignor.)
- Sullivan Insulation Company. (See Sullivan, M., assignor.)
- Sullivan, J. A., Newton Highlands, Mass. Wearing-apparel. No. 877,964; Feb. 4; Sp. p. 136; Dr. p. 31; Gaz. vol. 132; p. 872.
- Sullivan, J. C. (See Roberts and Sullivan.)
- Sullivan, J. D., Salt Lake City, Utah. Fireproof wall and partition. No. 876,605; Jan. 14; Sp. p. 1898; Dr. p. 414; Gaz. vol. 132; p. 338.
- Sullivan, J. H., Grand Rapids, Mich. Fastening device for molds. No. 901,209; Oct. 13; Sp. p. 2352; Dr. p. 481; Gaz. vol. 136; p. 1470.
- Sullivan, J. J., Long Island City, N. Y. Pasting and feeding machine. No. 885,104; Apr. 21; Sp. p. 2930; Dr. p. 622; Gaz. vol. 133; p. 1719.
- Sullivan, J. J., and D. J. Ring, Lowell, Mass. Piano turn-table. No. 905,018; Nov. 24; Sp. p. 5124; Gaz. vol. 137; p. 913.
- Sullivan, J. R., Ridgewood, N. J., assignor to John Boyle & Company, Incorporated, New York, N. Y. Separable fastening for awnings. No. 895,122; Aug. 4; Sp. p. 698; Dr. p. 146; Gaz. vol. 135; p. 1010.
- Sullivan, J. T., St. Louis, Mo. Register or manifolding machine. No. 891,387; June 23; Sp. p. 4465; Dr. p. 972; Gaz. vol. 134; p. 1864.
- Sullivan, J. T., Newcastle, New Brunswick, Canada. Belt-tightener. No. 898,523; Sept. 15; Sp. p. 2589; Dr. p. 553; Gaz. vol. 136; p. 478.
- Sullivan, M., New York, N. Y., assignor to Sullivan Insulation Company. Pipe-covering. No. 876,606; Jan. 14; Sp. p. 1899; Dr. p. 414; Gaz. vol. 132; p. 339.
- Sullivan, M. H., Poughkeepsie, N. Y. Compound engine. No. 886,438; May 5; Sp. p. 191; Dr. p. 42; Gaz. vol. 134; p. 36.
- Sullivan, M. H., Poughkeepsie, N. Y. Lock for piston-rings. No. 890,103; June 9; Sp. p. 1813; Dr. p. 401; Gaz. vol. 134; p. 1380.
- Sullivan Machinery Company. (See Badger, G. L., assignor.)
- Sullivan Machinery Company. (See Ball, A., assignor.)
- Sullivan Machinery Company. (See Gilman, G. H., assignor.)
- Sullivan Machinery Company. (See Holdsworth, F. D., assignor.)
- Sullivan Machinery Company. (See Nelson, S. T., assignor.)
- Sullivan Machinery Company. (See O'Rourke, D. J., assignor.)
- Sullivan, P. H., Detroit, Mich. Device for supplying firemen with fresh air. No. 898,524; Sept. 15; Sp. p. 2590; Dr. p. 553; Gaz. vol. 136; p. 478.
- Sullivan, P. J., East Orange, N. J. Apparatus for filling fountain-pens. No. 896,772; Aug. 25; Sp. p. 3973; Dr. p. 855; Gaz. vol. 135; p. 1613.
- Sullivan, R. H., assignor of one-half to C. Barrett, Mount Vernon, Wash. Clevis. No. 892,966; July 7; Sp. p. 1153; Dr. p. 243; Gaz. vol. 135; p. 194.
- Sullivan, T. J., Detroit, Mich. Hose-carrier. No. 877,012; Jan. 21; Sp. p. 2734; Dr. p. 592; Gaz. vol. 132; p. 512.
- Sullivan, W., Hot Springs, Ark. Mechanical movement. No. 894,861; Aug. 4; Sp. p. 116; Dr. p. 25; Gaz. vol. 135; p. 920.
- Sullivan, W. B., St. Louis, Mo. Coin-controlled vending apparatus. No. 884,236; Apr. 7; Sp. p. 1165; Dr. pp. 245-6; Gaz. vol. 133; p. 1376.
- Sullivan, W. B., St. Louis, Mo. Coin-controlled cigar-vending apparatus. No. 884,237; Apr. 7; Sp. p. 1169; Dr. pp. 246-7; Gaz. vol. 133; p. 1377.
- Sullivan, W. H., Fort Shaw, Mont. Fence-wire fastener. No. 883,584; Mar. 31; Sp. p. 6196; Dr. p. 1320; Gaz. vol. 133; p. 1135.
- Sullivan, W. L., assignor of one-half to R. L. Hatfield, Newark, N. J. Switching-indicator. No. 893,757; July 21; Sp. p. 2882; Dr. p. 592; Gaz. vol. 135; p. 512.
- Sulman, E. A. (See Sulman, H. L. and E. A.)
- Sulman, H. L., London, England. Obtaining zinc oxid from zinc ores. No. 875,866; Jan. 7; Sp. p. 350; Dr. p. 78; Gaz. vol. 132; p. 65.
- Sulman, H. L., H. F. Kirkpatrick-Picard, and J. Ballot, London, England. Separation of metalliferous minerals from gangue. No. 879,985; Feb. 25; Sp. p. 4333; Dr. pp. 907-8; Gaz. vol. 132; p. 1639.
- Sulman, H. L. and E. A., assignors to Minerals Separation, Limited, London, England. Ore-concentrator. No. 902,018; Oct. 27; Sp. p. 4092; Dr. p. 830; Gaz. vol. 136; p. 1802.
- Sultan, A., *et al.* (See Ehrlich, F., assignor.)
- Sulzberger, K., Charlottenburg, Germany, assignor to General Electric Company. Dynamo-electric machine. No. 902,019; Oct. 27; Sp. p. 4095; Dr. p. 830; Gaz. vol. 136; p. 1803.
- Sulzberger, K., Charlottenburg, Germany, assignor to General Electric Company. Dynamo-electric machine. No. 902,020; Oct. 27; Sp. p. 4097; Dr. p. 831; Gaz. vol. 136; p. 1803.
- Sulzberger, K., Charlottenburg, Germany, assignor to General Electric Company. Commutating dynamo-electric machine. No. 907,891; Dec. 23; Sp. p. 5491; Gaz. vol. 137; p. 2006.
- Sulzberger, N., Berlin, Germany. Making azo dyes containing radicals of higher fatty acids. No. 879,424; Feb. 18; Sp. p. 3148; Dr. p. 655; Gaz. vol. 132; p. 1423.
- Sulzberger, N., New York, N. Y. Making azo dyes containing fatty acid radicals. No. 902,021; Oct. 27; Sp. p. 4100; Gaz. vol. 136; p. 1804.
- Sulzer, E. E., Philadelphia, Pa. Safety ripper and thread-drawer. No. 891,573; June 23; Sp. p. 4851; Dr. p. 1045; Gaz. vol. 134; p. 1924.
- Sulzer, E. E., Philadelphia, Pa. Tooth-cleaner. No. 902,122; Oct. 27; Sp. p. 4292; Dr. p. 870; Gaz. vol. 136; p. 1835.
- Sulzer, G., assignor to Buffalo Forge Company, Buffalo, N. Y. Centrifugal pump. No. 900,966; Oct. 13; Sp. p. 1910; Dr. pp. 388-9; Gaz. vol. 136; p. 1393.
- Sulzer, J., Winterthur, Switzerland. Reversing-gear for internal-combustion engines. No. 880,050; Feb. 25; Sp. p. 4475; Dr. p. 940; Gaz. vol. 132; p. 1660.
- Sulzer, J., Winterthur, Switzerland. Reversing-valve mechanism for internal-combustion motors. No. 880,051; Feb. 25; Sp. p. 4477; Dr. p. 941; Gaz. vol. 132; p. 1661.
- Sulzer, J., assignor to Gebrüder Sulzer, Winterthur, Switzerland. Internal-combustion engine. No. 886,662; May 5; Sp. p. 639; Dr. p. 132; Gaz. vol. 134; p. 110.
- Suma, G. P., Chicago, Ill. Pencil-sharpener. No. 891,015; June 16; Sp. p. 3722; Dr. p. 812; Gaz. vol. 134; p. 1711.
- Sumnerwell, E. K., East Orange, N. J. Vertical filing device. No. 906,750; Dec. 15; Sp. p. 3165; Gaz. vol. 137; p. 1567.
- Sumlin, W. D., Atlanta, Ga. Pressure device for the strings of pianos. No. 888,365; May 19; Sp. p. 4061; Dr. p. 856; Gaz. vol. 134; p. 723.
- Summa, V. M., assignor to American Car & Foundry Company, St. Louis, Mo. Car-underframe. No. 887,542; May 12; Sp. p. 2472; Dr. p. 522; Gaz. vol. 134; p. 425.
- Summa, V. M., and J. T. St. Clair, assignors to American Car & Foundry Company, St. Louis, Mo. Car-underframe. No. 893,948; July 21; Sp. p. 3265; Dr. p. 672; Gaz. vol. 135; p. 574.
- Summerall, W. B., Atlanta, Ga. Perpetual calendar. No. 896,255; Aug. 18; Sp. p. 2920; Dr. p. 629; Gaz. vol. 135; p. 1425.
- Summerbell, W. J., Chicago, Ill. Window. No. 900,893; Oct. 13; Sp. p. 1752; Dr. pp. 354-5; Gaz. vol. 136; p. 1369.
- Summers, B. S., Port Huron, Mich., assignor, by mesne assignments, to International Flax Twine Company. Preparing flax yarn. No. 895,123; Aug. 4; Sp. p. 699; Gaz. vol. 135; p. 1010.
- Summers, E. W., Pittsburg, and C. H. Clark, Crafton, Pa. Railway-car. No. 893,279; July 14; Sp. p. 1808; Dr. pp. 378-9; Gaz. vol. 135; p. 325.
- Summers, L. L., Barberton, Ohio, assignor to Babcock & Wilcox Company, New York, N. Y. Water-tube boiler. No. 897,322; Sept. 1; Sp. p. 133; Dr. pp. 27-8; Gaz. vol. 136; p. 21.
- Summers, T. (See Newton, G. F., assignor.)
- Summerscales, S. H., Winnipeg, Manitoba, Canada. Insulator for high-tension conductors. No. 880,418; Feb. 25; Sp. p. 5211; Dr. pp. 1098-9; Gaz. vol. 132; p. 1782.
- Summons, N. H., Woodstock, Ohio. Lock-nut. No. 885,544; Apr. 21; Sp. p. 3862; Dr. p. 808; Gaz. vol. 133; p. 1861.
- Sumner, A. D., assignor to Acorn Brass Manufacturing Company, Chicago, Ill. Hydrocarbon-gas generator. No. 885,886; Apr. 28; Sp. p. 4556; Dr. p. 955; Gaz. vol. 133; p. 2002.
- Sumner Iron Works. (See Dorman, G. W., assignor.)
- Sumner, J. D. (See Gill, T. S., assignor.)
- Sumner, W. A., Fairfield, Nebr., assignor of two-thirds to H. E. Spencer and C. J. Harris. Incubator-heater. (Reissue.) No. 12,742; Jan. 28; Sp. p. 4490; Dr. p. 977; Gaz. vol. 132; p. 821.
- Sun Typewriter Company. (See Howell, C. W., assignor.)
- Sund, O. J., Tacoma, Wash. Adjustable plane. No. 895,796; Aug. 11; Sp. p. 2051; Dr. p. 436; Gaz. vol. 135; p. 1254.

Alphabetical list of patentees—Continued.

- Sundberg, P. T., assignor to Express Separator Emil G. Lind & Co., Stockholm, Sweden. Centrifugal cream-separator. No. 892,913; July 7; Sp. p. 1062; Dr. p. 222; Gaz. vol. 135; p. 175.
- Sundberg, R. J., and J. Nelson, Aurora, Ill. Hydrocarbon-burner. No. 885,105; Apr. 21; Sp. p. 2932; Dr. p. 622; Gaz. vol. 133; p. 1719.
- Sundblom, J. G. (See Meacham and Sundblom.)
- Sundborg, A., St. Paul, Minn. Cylinder-cock. No. 878,686; Feb. 11; Sp. p. 1689; Dr. p. 349; Gaz. vol. 132; p. 1144.
- Sundby, J. (See Kortas, B., assignor.)
- Sundee, J. R., assignor to Empire Jewelry Case Company, Buffalo, N. Y. Apparatus for covering boxes. No. 879,599; Feb. 18; Sp. p. 3529; Dr. pp. 738-9; Gaz. vol. 132; p. 1479.
- Sundee, J. R., assignor to E. Warner, Buffalo, N. Y. Spring-lid box. No. 895,124; Aug. 4; Sp. p. 700; Dr. p. 146; Gaz. vol. 135; p. 1010.
- Sunderlin, R. H., and C. A. Billee, Cripple Creek, Colo. Toy windmill. No. 877,382; Jan. 21; Sp. p. 3480; Dr. p. 755; Gaz. vol. 132; p. 637.
- Sundin, J. P., Arcata, Cal. Extension-bed. No. 905,246; Dec. 1; Sp. p. 244; Gaz. vol. 137; p. 1025.
- Sundman, F. (See Switzer and Sundman.)
- Superior Hay Stacker Manufacturing Co. (See Vroom, O. P., assignor.)
- Suplee, D. C., Philadelphia, Pa., assignor to Suplee Elevator Company. Electric traction-elevator. No. 905,114; Nov. 24; Sp. p. 5304; Gaz. vol. 137; p. 944.
- Suplee Elevator Company. (See Suplee, D. C., assignor.)
- Supplementary Spiral Spring Company. (See Young, W., assignor.)
- Surbrug, J. W., Montclair, N. J. Tobacco-package. No. 890,196; June 9; Sp. p. 2012; Dr. p. 443; Gaz. vol. 134; p. 1411.
- Süren, F., New York, N. Y. Rotary engine. No. 877,965; Feb. 4; Sp. p. 137; Dr. pp. 31-2; Gaz. vol. 132; p. 872.
- Suren, N. H., Highlandville, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Telephone system. No. 891,786; June 23; Sp. p. 5285; Dr. p. 1144; Gaz. vol. 134; p. 1997.
- Suren, N. H., Needham, Mass., assignor to Gamewell Fire-Alarm Telegraph Company, New York, N. Y. Signal-box. No. 898,076; Sept. 8; Sp. p. 1731; Dr. p. 367; Gaz. vol. 136; p. 303.
- Surfacing Machine Company. (See Wattles, C. B., assignor.)
- Surmann, W., Cologne, Germany. Press for manufacturing briquets, blocks, artificial stone, and the like. No. 891,164; Mar. 10; Sp. p. 1335; Dr. pp. 287-8; Gaz. vol. 133; p. 257.
- Surmann, W., Cologne, Germany. Press for manufacturing briquets, blocks, artificial stone, and the like. No. 898,525; Sept. 15; Sp. p. 2591; Dr. pp. 553-4; Gaz. vol. 136; p. 478.
- Surprenant, M. L., Indian Lake, N. Y. Holder for nursing-bottles. No. 886,270; Apr. 28; Sp. p. 5323; Dr. p. 1120; Gaz. vol. 133; p. 2129.
- Surrell, J. R., New York, N. Y. Boiler-furnace. No. 902,265; Oct. 27; Sp. p. 4586; Dr. pp. 930-1; Gaz. vol. 136; p. 1881.
- Susemihl, F. G., Detroit, Mich., assignor of one-fourth to F. L. Susemihl, Chicago, Ill. Roller-bearing. No. 880,931; Mar. 3; Sp. p. 902; Dr. p. 194; Gaz. vol. 133; p. 152.
- Susemihl, F. L. (See Susemihl, F. G., assignor.)
- Susseles, A., New York, N. Y. Belt. No. 886,439; May 5; Sp. p. 192; Dr. p. 42; Gaz. vol. 134; p. 36.
- Sussman, L., Bayonne, N. J., assignor to Manhattan Screw and Stamping Works, New York, N. Y. Acetylene-gas generator. No. 880,110; Feb. 25; Sp. p. 4579; Dr. p. 964; Gaz. vol. 132; p. 1679.
- Süssmann, H., assignor to Firm of Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Incandescent gas-lamp. No. 886,271; Apr. 28; Sp. p. 5325; Dr. p. 1121; Gaz. vol. 133; p. 2129.
- Süssmann, H., assignor to Firm of Deutsche Gasglühlicht-Aktiengesellschaft, Berlin, Germany. Dirt-retainer for gas-nozzles. No. 896,479; Aug. 18; Sp. p. 3391; Dr. p. 730; Gaz. vol. 135; p. 1497.
- Sutcliffe, A., Hummelstown, Pa. Stamp pad or tablet. No. 903,618; Nov. 10; Sp. p. 2183; Gaz. vol. 137; p. 386.
- Sutcliffe, J. H., assignor to G. Culver Ltd., London, England. Ophthalmometer. No. 890,580; June 9; Sp. p. 2773; Dr. p. 613; Gaz. vol. 134; p. 1535.
- Sutcliffe, W. I., Godley, near Manchester, England. Means for covering steam-pipes, cylinders, &c. No. 896,171; Aug. 18; Sp. p. 2757; Dr. p. 693; Gaz. vol. 135; p. 1395.
- Suter, F. R., New York, N. Y., assignor to New Process Varnish Company. Varnish and manufacture thereof. No. 905,384; Dec. 1; Sp. p. 510; Gaz. vol. 137; p. 1071.
- Suter, H. L., Hannibal, Ohio. Stringed musical instrument. No. 888,939; May 26; Sp. p. 5283; Dr. pp. 1120-1; Gaz. vol. 134; p. 945.
- Suter, R., Källiken, Switzerland. Umbrella-runner. No. 881,634; Mar. 10; Sp. p. 2282; Dr. p. 495; Gaz. vol. 133; p. 410.
- Suthergreen, F. S., Otterville, Mass. Tire-holder for automobiles. No. 894,079; July 21; Sp. p. 3549; Dr. p. 728; Gaz. vol. 135; p. 618.
- Sutherland, A. M., Orange, N. J. Gas apparatus. No. 890,940; June 16; Sp. p. 3562; Dr. p. 777; Gaz. vol. 134; p. 1686.
- Sutherland, A. W., Lynn, Mass. Shoe last or form. No. 889,411; June 2; Sp. p. 442; Dr. p. 105; Gaz. vol. 134; p. 1129.
- Sutherland, E., Hollywood, Cal. Combination-tool. No. 893,556; July 14; Sp. p. 2378; Dr. p. 498; Gaz. vol. 135; p. 414.
- Sutherland, G. (See McCaddin and Sutherland.)
- Sutherland, G. W., Newport, Wash. Rail-chair. No. 899,354; Sept. 22; Sp. p. 4170; Dr. p. 892; Gaz. vol. 136; p. 774.
- Sutherland, J., Springer, N. Mex. Ter. Attachment for driving-reins of double harness. No. 903,619; Nov. 10; Sp. p. 2184; Gaz. vol. 137; p. 386.
- Sutherland, M. E., Westville, Nova Scotia, Canada. Rifle-sight. No. 888,858; May 26; Sp. p. 5109; Dr. p. 1089; Gaz. vol. 134; p. 917.
- Sutherland, R., Plattin, Mo. Fence construction. No. 890,468; June 9; Sp. p. 2550; Dr. p. 565; Gaz. vol. 134; p. 1496.
- Sutherland, W. W., Griswold, Iowa. Power-lever. No. 883,255; Mar. 31; Sp. p. 5511; Dr. p. 1175; Gaz. vol. 133; p. 1030.
- Sutro Bros. Braid Company. (See Lepperhoff, B., assignor.)
- Suttle, H. A., Chicago, Ill. Vehicle-fender. No. 881,973; Mar. 17; Sp. p. 2976; Dr. p. 634; Gaz. vol. 133; p. 548.
- Sutton, A., assignor to Chicago Wood Finishing Co., Chicago, Ill. Graining material. No. 888,859; May 26; Sp. p. 5112; Gaz. vol. 134; p. 917.
- Sutton, A. M., Allegheny, Pa. Skirt-marker. No. 901,496; Oct. 20; Sp. p. 3012; Dr. p. 615; Gaz. vol. 136; p. 1603.
- Sutton, E. E., Dunkirk, Ind. Combination-paddock. No. 889,061; May 26; Sp. p. 5500; Dr. p. 1169; Gaz. vol. 134; p. 983.
- Sutton, E. M., Wellsburg, W. Va. Bag-holder. No. 889,557; June 2; Sp. p. 734; Dr. p. 169; Gaz. vol. 134; p. 1175.
- Sutton, G. (See Fitzgerald and Sutton.)
- Sutton, H., Richmond, Va. Seat or stool. No. 888,366; May 19; Sp. p. 4062; Dr. p. 856; Gaz. vol. 134; p. 723.
- Sutton, H. M., and W. L. and E. G. Steele, Dallas, Tex. Dielectric separator. No. 888,432; May 19; Sp. p. 4211; Dr. p. 893; Gaz. vol. 134; p. 746.
- Sutton, H. M., and W. L. and E. G. Steele, Dallas, Tex. Separating-table. No. 898,020; Sept. 8; Sp. p. 1615; Dr. pp. 344-6; Gaz. vol. 136; p. 285.
- Sutton, H. M., and W. L. and E. G. Steele, Dallas, Tex. Electrical interrupter. No. 905,115; Nov. 24; Sp. p. 5310; Gaz. vol. 137; p. 945.
- Sutton, T. E., assignor, by mesne assignments, to H. W. Shelly, Kansas City, Mo. Mirror attachment. No. 878,098; Feb. 4; Sp. p. 412; Dr. p. 87; Gaz. vol. 132; p. 915.
- Suva, H., Invermay, Saskatchewan, Canada. Cleaner-rod for firearms. No. 883,985; Apr. 7; Sp. p. 646; Dr. p. 130; Gaz. vol. 133; p. 1295.
- Suva, J., Bryant, S. D. Rocking-chair. No. 901,848; Oct. 20; Sp. p. 3725; Dr. p. 758; Gaz. vol. 136; p. 1716.
- Suzuki, S., Ogden, Utah. Hose-nozzle. No. 886,272; Apr. 28; Sp. p. 5327; Dr. p. 1121; Gaz. vol. 133; p. 2130.
- Suzuki, T., Sunamura, Japan. Apparatus for brewing soy. No. 888,204; May 19; Sp. p. 3752; Dr. p. 788; Gaz. vol. 134; p. 671.
- Suzuki, T., Sunamura, Japan. Evaporator. No. 894,407; July 28; Sp. p. 4255; Dr. p. 878; Gaz. vol. 135; p. 746.
- Svea Caloric Engine Company. (See Hesse, G. E., assignor.)
- Svensen, A. A., Evanston, Ill. Key-fastener. No. 875,965; Jan. 7; Sp. p. 543; Dr. p. 116; Gaz. vol. 132; p. 95.
- Svensen, N., Minneapolis, Minn. Holder for scrapers, mops, &c. No. 895,813; Aug. 11; Sp. p. 2087; Dr. p. 442; Gaz. vol. 135; p. 1259.
- Svenska Centrifug Aktiebolaget. (See Ekehorn, S. A., assignor.)
- Svenson, A., New York, N. Y. Clutch mechanism for dumb-waiters, &c. No. 896,421; Aug. 18; Sp. p. 3271; Dr. p. 701; Gaz. vol. 135; p. 1478.
- Svenson, J. A., Pittsburg, Pa. Mixing-machine. No. 891,876; June 30; Sp. p. 5489; Dr. p. 1186; Gaz. vol. 134; p. 2058.
- Svenson, J. A., Pittsburg, Pa. Mixing apparatus. No. 900,227; Oct. 6; Sp. p. 317; Dr. p. 65; Gaz. vol. 136; p. 1124.
- Svenson, S., La Crosse, Wis. Bottle-holder. No. 877,807; Jan. 28; Sp. p. 4308; Dr. p. 935; Gaz. vol. 132; p. 792.
- Swahn, T. B., Enterprise, Miss. Stopper for bottles or similar vessels. No. 905,385; Dec. 1; Sp. p. 512; Gaz. vol. 137; p. 1071.
- Swain, H. J., Sydneyham, near Sydney, New South Wales, assignor to H. Bostock and J. A. Peck, Sydney, Australia. Lock-nut. No. 891,574; June 23; Sp. p. 4851; Dr. p. 1045; Gaz. vol. 134; p. 1924.
- Swain, W. N., assignor of one-half to E. A. Phillips, Meridian, Miss. Printer's implement. No. 904,572; Nov. 24; Sp. p. 4196; Gaz. vol. 137; p. 764.
- Swales, F., East Sheen, England. Bit. No. 898,394; Sept. 8; Sp. p. 2317; Dr. p. 993; Gaz. vol. 136; p. 403.
- Swallender, S. J. P. (See Hamilton and Swallender.)
- Swallow, J. G., New York, N. Y. Seal. No. 883,501; Mar. 31; Sp. p. 6039; Dr. p. 1288; Gaz. vol. 133; p. 1112.
- Swallow, J. G., New York, N. Y. Wrench. No. 905,116; Nov. 24; Sp. p. 5313; Gaz. vol. 137; p. 945.
- Swallow, J. G., Brooklyn, assignor of one-half to F. W. Smith, New York, N. Y. Sealing-cap for electrical apparatus. No. 905,761; Dec. 1; Sp. p. 1284; Gaz. vol. 137; p. 1193.

Alphabetical list of patentees—Continued.

- Swalm, W. E., Los Angeles, Cal., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding and listing machine. No. 885,202; Apr. 21; Sp. p. 3155; Dr. pp. 662-4; Gaz. vol. 133; p. 1751.
- Swan, A., New York, N. Y., assignor to General Electric Company. Machine for making incandescent lamps. No. 877,013; Jan. 21; Sp. p. 2736; Dr. pp. 592-4; Gaz. vol. 132; p. 513.
- Swan, A., New York, N. Y., assignor to General Electric Company. Incandescent lamp. No. 905,478; Dec. 1; Sp. p. 741; Gaz. vol. 137; p. 1103.
- Swan, A. E., Waynesville, Ill. Ink-well. No. 886,161; Apr. 28; Sp. p. 5128; Dr. p. 1078; Gaz. vol. 133; p. 2092.
- Swan, C., Corry, Pa. Machine for forming packing-cups. No. 898,526; Sept. 15; Sp. p. 2596; Dr. p. 554; Gaz. vol. 136; p. 478.
- Swan, C. C., Buffalo, N. Y. Railway-switch. No. 903,024; Nov. 3; Sp. p. 996; Gaz. vol. 137; p. 163.
- Swan, E. D., Pinetown, N. C., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Logging-machine. No. 887,869; May 19; Sp. p. 3123; Dr. pp. 655-6; Gaz. vol. 134; p. 564.
- Swan, F. A., Cliftondale, Mass. Means for securing cords to lamp-sockets. No. 877,383; Jan. 21; Sp. p. 3482; Dr. p. 756; Gaz. vol. 132; p. 634.
- Swan, F. A., Cliftondale, Mass. Electrical fitting. No. 877,384; Jan. 21; Sp. p. 3484; Dr. p. 756; Gaz. vol. 132; p. 635.
- Swan, F. A., Cliftondale, Mass. Terminal for electric fittings. No. 897,674; Sept. 1; Sp. p. 876; Dr. p. 188; Gaz. vol. 136; p. 140.
- Swan, J., Seymour, Conn. Tool-box. No. 883,906; Apr. 7; Sp. p. 479; Dr. p. 94; Gaz. vol. 133; p. 1268.
- Swan, W. W., trustee. (See Stone, J. S., assignor.)
- Swan, W. W., trustee. (See Stone and Cabot, assignors.)
- Swanberg, A. W., assignor of two-thirds to C. A. Bohlin and H. C. Peterson, Minneapolis, Minn. Alcohol-stove. No. 880,836; Mar. 3; Sp. p. 719; Dr. p. 151; Gaz. vol. 133; p. 122.
- Swanberg, F. L., assignor to D. T. Williams Valve Company, Cincinnati, Ohio. Grease-cup. No. 906,333; Dec. 8; Sp. p. 2393; Gaz. vol. 137; p. 1410.
- Swanger, P., Canonsburg, Pa. Boiler-furnace. No. 887,440; May 12; Sp. p. 2266; Dr. p. 475; Gaz. vol. 134; p. 392.
- Swangren, E. V., Maywood, Ill., assignor to American Can Company, New York, N. Y. Can-tester. No. 900,324; Oct. 6; Sp. p. 539; Dr. p. 112; Gaz. vol. 136; p. 1156.
- Swank, L., Anderson, Ind. Wire-twisting machine. No. 887,441; May 12; Sp. p. 2268; Dr. pp. 475-6; Gaz. vol. 134; p. 392.
- Swanson, A., Albuquerque, N. Mex. Ter. Necktie-knot. No. 888,549; May 26; Sp. p. 4453; Dr. p. 943; Gaz. vol. 134; p. 816.
- Swanson, A., Albuquerque, N. Mex. Ter. Button. No. 894,080; July 21; Sp. p. 3550; Dr. p. 728; Gaz. vol. 135; p. 619.
- Swanson, A., Albuquerque, N. Mex. Ter. Detachable bow-tie. No. 896,869; Aug. 25; Sp. p. 4191; Dr. p. 898; Gaz. vol. 135; p. 1647.
- Swanson, A. J., Stockport, Iowa. Automatic music-leaf turner. No. 896,480; Aug. 18; Sp. p. 3393; Dr. p. 730; Gaz. vol. 135; p. 1498.
- Swanson, C., et al. (See Wallen, C. J., assignor.)
- Swanson, C. F., assignor to X-Ray Egg Tester Co., St. Paul, Minn. Egg-tester. No. 879,800; Feb. 18; Sp. p. 3909; Dr. p. 819; Gaz. vol. 132; p. 1545.
- Swanson, C. F., assignor to X-Ray Egg Tester Co., St. Paul, Minn. Egg-lifter. No. 879,801; Feb. 18; Sp. p. 3911; Dr. pp. 819-20; Gaz. vol. 132; p. 1545.
- Swanson, C. M., Des Moines, Iowa. Loose pulley. No. 882,028; Mar. 17; Sp. p. 3110; Dr. p. 661; Gaz. vol. 133; p. 566.
- Swanson, C. M., Des Moines, Iowa. Pulley. No. 905,019; Nov. 24; Sp. p. 5128; Gaz. vol. 137; p. 913.
- Swanson, E. M., Shenandoah, Iowa. Lister-cultivator. No. 892,465; July 7; Sp. p. 147; Dr. p. 32; Gaz. vol. 135; p. 29.
- Swanson, G. E., Laporte, Ind. Seeder. No. 877,966; Feb. 4; Sp. p. 142; Dr. p. 32; Gaz. vol. 132; p. 872.
- Swanson, M. M., Albia, Iowa. Wire-fence-laying machine. No. 877,254; Jan. 21; Sp. p. 3241; Dr. p. 701; Gaz. vol. 132; p. 595.
- Swanson, N., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Knockdown wardrobe. No. 896,671; Aug. 18; Sp. p. 3748; Dr. pp. 807-8; Gaz. vol. 135; p. 1556.
- Swanson, N. E., assignor of one-half to R. F. Ohlin, Denver, Colo. Hollow auger. No. 900,044; Sept. 29; Sp. p. 5615; Dr. p. 1198; Gaz. vol. 136; p. 1034.
- Swanson, P. A., Lynn Center, Ill. Hog-ring. No. 886,162; Apr. 28; Sp. p. 5129; Dr. p. 1078; Gaz. vol. 133; p. 2092.
- Swanson, S. A., Chicago, Ill., assignor of one-half to S. S. Porter, Marietta, Ohio. Automatic musical instrument. No. 893,280; July 14; Sp. p. 1805; Dr. pp. 379-80; Gaz. vol. 135; p. 325.
- Swanson, S. A., Chicago, Ill., assignor of two-thirds to S. S. Porter and F. S. Brasor, Marietta, Ohio. Automatic piano-player. No. 904,284; Nov. 17; Sp. p. 3597; Gaz. vol. 137; p. 641.
- Swanwick, H. C., Houston, Tex. Canopy. No. 880,176; Feb. 25; Sp. p. 4717; Dr. p. 996; Gaz. vol. 132; p. 1701.
- Swaren, W. A., Chicago, Ill. Attachment for umbrellas and the like. No. 880,419; Feb. 25; Sp. p. 5214; Dr. p. 1099; Gaz. vol. 132; p. 1782.
- Swart, F. M., Margaretville, N. Y. Horseshoe and calk. No. 908,352; Dec. 29; Sp. p. 6461; Gaz. vol. 137; p. 2162.
- Swart, M. E. (See Pearne, F. D., assignor.)
- Swart, W. G., Denver, Colo. Roaster. No. 879,842; Feb. 18; Sp. p. 4010; Dr. p. 841; Gaz. vol. 132; p. 1559.
- Swart, W. G., Denver, Colo. Ore-treating process. No. 882,217; Mar. 17; Sp. p. 3460; Dr. p. 736; Gaz. vol. 133; p. 625.
- Swartz, J. A., Fort Wayne, Ind., and T. P. Whelan, Bellevue, Ohio. Locomotive ash-pan. No. 907,197; Dec. 22; Sp. p. 4030; Gaz. vol. 137; p. 1745.
- Swartz, M. W., et al. (See Bourdreaux, G. C., assignor.)
- Swasey, A., assignor to Warner & Swasey Company, Cleveland, Ohio. Sight device for firearms. No. 906,751; Dec. 15; Sp. p. 3167; Gaz. vol. 137; p. 1568.
- Swasey, B. A., West Peru, Me. Fruit-picking basket. No. 883,839; Apr. 7; Sp. p. 345; Dr. p. 66; Gaz. vol. 133; p. 1216.
- Swazey, G. A., Milo, Me. Gun-cleaner. No. 883,986; Apr. 7; Sp. p. 647; Dr. p. 130; Gaz. vol. 133; p. 1295.
- Swazey, H. L., and M. B. Pinkham, Lincoln, Me. Lamp-burner. No. 881,265; Mar. 10; Sp. p. 1543; Dr. p. 332; Gaz. vol. 133; p. 290.
- Sweat, W. C., Carlton, Wash. Wrench. No. 879,019; Feb. 11; Sp. p. 2318; Dr. p. 484; Gaz. vol. 132; p. 1249.
- Swedberg, H. O., and A. T. Durbin, Rossville, Ill. Electrical appliance for clocks. No. 879,924; Feb. 25; Sp. p. 4229; Dr. pp. 883-4; Gaz. vol. 132; p. 1621.
- Swedish-American Telephone Company. (See Lidberg, T., assignor.)
- Sweeney, B. F., Neosho, Mo. Air self-coupling. No. 901,660; Oct. 20; Sp. p. 3323; Dr. p. 682; Gaz. vol. 136; p. 1654.
- Sweeney, F. P., Fayette City, Pa. Check-holding device. No. 876,745; Jan. 14; Sp. p. 2165; Dr. p. 475; Gaz. vol. 132; p. 383.
- Sweeney, J., Pittsburg, Pa. Car-fender. No. 884,238; Apr. 7; Sp. p. 1173; Dr. p. 247; Gaz. vol. 133; p. 1377.
- Sweeney, N. J., San Francisco, Cal. Automatic bucket-dump. No. 892,914; July 7; Sp. p. 1063; Dr. p. 223; Gaz. vol. 135; p. 175.
- Sweeney, P., Ericson, Nebr. Plow. No. 879,020; Feb. 11; Sp. p. 2319; Dr. p. 485; Gaz. vol. 132; p. 1249.
- Sweeney, P. J., assignor to Penberthy Injector Company, Limited, Windsor, Ontario, Canada. Lubricator. No. 879,600; Feb. 18; Sp. p. 3531; Dr. p. 739; Gaz. vol. 132; p. 1479.
- Sweeney, P. J., Windsor, Ontario, Canada, assignor to Penberthy Injector Company, Detroit, Mich. Closure. No. 892,466; July 7; Sp. p. 149; Dr. p. 32; Gaz. vol. 135; p. 30.
- Sweeney, S. Y., Roanoke, Va. Aerial railway. No. 889,642; June 2; Sp. p. 881; Dr. p. 202; Gaz. vol. 134; p. 1202.
- Sweeny, F. R., Anderson, S. C. Flying-machine. No. 889,062; May 26; Sp. p. 5502; Dr. p. 1170; Gaz. vol. 134; p. 983.
- Sweeny, J. K., Pueblo, Colo. Steam-pump for pumping liquids. No. 886,440; May 5; Sp. p. 194; Dr. p. 42; Gaz. vol. 134; p. 37.
- Sweet, A. J., Jackson, assignor of one-half to G. W. Sweet, Ann Arbor, Mich. Self-closing measuring-valve. No. 898,999; Sept. 15; Sp. p. 3469; Dr. p. 743; Gaz. vol. 136; p. 631.
- Sweet, A. W. (See Gillmor and Sweet.)
- Sweet, B. W., Cleveland, Ohio, assignor, by mesne assignments, to Century Telephone Construction Company, Buffalo, N. Y. Electromagnet. No. 902,624; Nov. 3; Sp. p. 185; Gaz. vol. 137; p. 31.
- Sweet, E. B. (See Galloway and Sweet.)
- Sweet, E. E., assignor to Cadillac Motor Car Company, Detroit, Mich. Worm-gearing. No. 893,032; July 14; Sp. p. 1317; Dr. pp. 276-7; Gaz. vol. 135; p. 244.
- Sweet, G. W. (See Sweet, A. J., assignor.)
- Sweet, Orr & Company. (See Bartrum, C. W., assignor.)
- Sweet, Orr & Company. (See Cummings, W. J., assignor.)
- Sweet, W., Fort Wayne, Ind. Mechanical movement. No. 885,203; Apr. 21; Sp. p. 3176; Dr. p. 664; Gaz. vol. 133; p. 1752.
- Sweet, W., Fort Wayne, Ind., assignor to G. V. Blackstone, Jamestown, N. Y. Gearing for washing-machines. No. 906,334; Dec. 8; Sp. p. 2394; Gaz. vol. 137; p. 1410.
- Sweetland, E. J., Goldfield, Nev. Filter. No. 885,398; Apr. 21; Sp. p. 3572; Dr. p. 748; Gaz. vol. 133; p. 1817.
- Sweetland, E. J., Goldfield, Nev. Filter. No. 887,285; May 12; Sp. p. 1917; Dr. p. 406; Gaz. vol. 134; p. 339.
- Sweetman, G. A., Bickford, Okla. Tanning-ooze. No. 901,564; Oct. 20; Sp. p. 3140; Gaz. vol. 136; p. 1625.
- Sweetman, W. D., assignor to J. Williamson, Chicago, Ill. Valve-actuating mechanism. No. 886,663; May 5; Sp. p. 641; Dr. p. 133; Gaz. vol. 134; p. 110.
- Sweetmeat Automatic Delivery Company. (See Savage, A. C., assignor.)
- Sweetwood, A. M., Bradner, Ohio. Merry-go-round. No. 883,585; Mar. 31; Sp. p. 6197; Dr. pp. 1320-1; Gaz. vol. 133; p. 1135.
- Sweigart, A. F., South Hampton, Pa. Rail-joint fastening. No. 900,325; Oct. 6; Sp. p. 541; Dr. p. 112; Gaz. vol. 136; p. 1157.

Alphabetical list of patentees—Continued.

- Swendeman, J. E., Boston, Mass. Steam-trap. No. 884,626; Apr. 14; Sp. p. 1935; Dr. pp. 415-16; Gaz. vol. 133; p. 1531.
- Swender, A. W., Carroll, Iowa. Calf-weaner. No. 896,598; Aug. 18; Sp. p. 3617; Dr. p. 776; Gaz. vol. 135; p. 1535.
- Swenson, A. A., Muskegon, Mich. Hinge. No. 890,469; June 9; Sp. p. 2551; Dr. p. 565; Gaz. vol. 134; p. 1497.
- Swenson, B. A., Providence, R. I. Valve-remover. No. 890,725; June 16; Sp. p. 3112; Dr. p. 682; Gaz. vol. 134; p. 1615.
- Swenson, B. A., Providence, R. I. Valve-remover. No. 896,336; Aug. 18; Sp. p. 3099; Dr. p. 666; Gaz. vol. 135; p. 1450.
- Swenson, C. B., *et al.* (See Bruuas, H. P., assignor.)
- Swenson, C. J., *et al.* (See Faust and Brolin, assignors.) (Reissue.)
- Swenson, F. O., Manor, Tex. Match-safe. No. 897,428; Sept. 1; Sp. p. 391; Dr. p. 82; Gaz. vol. 136; p. 61.
- Swenson, J. A., Brooklyn, N. Y. Lawn-mower. No. 896,337; Aug. 18; Sp. p. 3100; Dr. p. 666; Gaz. vol. 135; p. 1450.
- Swenson, J. A., Minneapolis, Minn. Incubator. No. 896,597; Aug. 18; Sp. p. 3615; Dr. p. 776; Gaz. vol. 135; p. 1535.
- Swenson, J. S., Cresco, Iowa. Horse-power capstan. No. 889,271; June 2; Sp. p. 154; Dr. p. 71; Gaz. vol. 134; p. 1083.
- Sweet, A. H., Chicago, Ill. Marking-tag. No. 893,885; July 21; Sp. p. 3143; Dr. p. 645; Gaz. vol. 135; p. 553.
- Swift and Company. (See Walsh, T., assignor.)
- Swift, E. W., *et al.* (See Payne and Wallace, assignors.)
- Swift, G. W., Jr., Bordentown, N. J. Cell-case machine. No. 889,643; June 2; Sp. p. 882; Dr. pp. 202-3; Gaz. vol. 134; p. 1202.
- Swift, W. C. (See Mills, C., assignor.)
- Swift, W. C., Hinsdale, Ill., assignor to F. Herbert, Birtley, England. Machine for forming sand molds. No. 878,470; Feb. 4; Sp. p. 1154; Dr. p. 236; Gaz. vol. 132; p. 1039.
- Swift, W. C., Hinsdale, Ill., assignor to F. Herbert, Birtley, England. Sand-mold machine. No. 878,471; Feb. 4; Sp. p. 1162; Dr. p. 236; Gaz. vol. 132; p. 1039.
- Swift, W. E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelop-machine. No. 893,110; July 14; Sp. p. 1465; Dr. p. 309; Gaz. vol. 135; p. 269.
- Swift, W. L., New York, N. Y., assignor to Union Special Sewing Machine Company, Chicago, Ill. Folding and taping guide for sewing-machines. No. 889,063; May 26; Sp. p. 5504; Dr. p. 1170; Gaz. vol. 134; p. 984.
- Swihart, J. H., Beaver Falls, Pa. Automatic scale. No. 906,960; Dec. 15; Sp. p. 3558; Gaz. vol. 137; p. 1634.
- Swiler, G. C., executor. (See Barnum, C. E.)
- Swimming Pool Filtration Company. (See Mitchell, G. D., assignor.)
- Swindell, J. A. (See Swindell, J. C. and J. A.)
- Swindell, J. A., Reserve township, Allegheny county, Pa. Feeding apparatus for gas-producers. No. 905,117; Nov. 24; Sp. p. 5314; Gaz. vol. 137; p. 946.
- Swindell, J. C. and J. A., Reserve township, Allegheny county, Pa. Reversing-valve for furnaces. No. 908,353; Dec. 29; S. p. 6463; Gaz. vol. 137; p. 2163.
- Swineford, G. A. (See Maddrell and Swineford.)
- Swinehart, J. A., Akron, Ohio. Vehicle-tire. No. 902,926; Nov. 3; Sp. p. 794; Gaz. vol. 137; p. 131.
- Swinglehurst, H. (See Scott and Swinglehurst.)
- Swintek, M., Des Moines, Iowa. Wall-plug. No. 880,699; Mar. 3; Sp. p. 410; Dr. p. 88; Gaz. vol. 133; p. 74.
- Swintek, M., Des Moines, Iowa. Sand-pumping plant. No. 892,329; June 30; Sp. p. 6360; Dr. pp. 1371-5; Gaz. vol. 134; p. 2206.
- Switzer, C., and F. Sundman, Doe Run, Mo. Guard-rail clamp. No. 890,384; June 9; Sp. p. 2407; Dr. pp. 530-1; Gaz. vol. 134; p. 1470.
- Swohoda, A. R., Louisville, Ky. Electric switch. No. 884,775; Apr. 14; Sp. p. 2281; Dr. p. 480; Gaz. vol. 133; p. 1583.
- Swohoda, S. V., Chemnitz, Germany. Stretching-frame for embroidering sewing-machines. No. 905,247; Dec. 1; Sp. p. 246; Gaz. vol. 137; p. 1025.
- Swoggers, H., New Galilee, Pa. Padlock. No. 880,932; Mar. 3; Sp. p. 905; Dr. p. 195; Gaz. vol. 133; p. 152.
- Swomley, E. J., Monrovia, Md. Mail-pouch catcher. No. 886,163; Apr. 28; Sp. p. 5130; Dr. p. 1078; Gaz. vol. 133; p. 2092.
- Swope, E., Morgan Hill, Cal. Harrow. No. 883,586; Mar. 31; Sp. p. 6200; Dr. p. 1321; Gaz. vol. 133; p. 1135.
- Swope, J. A., Hanford, Cal. Railway-tie. No. 887,983; May 19; Sp. p. 3344; Dr. p. 102; Gaz. vol. 134; p. 602.
- Swords, W. J., Carlton, Colo. Head-gate. No. 889,272; June 2; Sp. p. 156; Dr. p. 72; Gaz. vol. 134; p. 1083.
- Swortfeger, G. F., Newark, N. J. Wall-bracket. No. 887,358; May 12; Sp. p. 2083; Dr. p. 437; Gaz. vol. 134; p. 366.
- Swortfeger, G. F., Newark, N. J. Guy, stretcher, and clamp. No. 889,490; June 2; Sp. p. 612; Dr. p. 143; Gaz. vol. 134; p. 1154.
- Sykes, W. M., Roanoke, Ala. Type-writer cover. No. 905,762; Dec. 1; Sp. p. 1285; Gaz. vol. 137; p. 1193.
- Sykora, R., Boston, Mass. Hinge for dental articulators. No. 905,479; Dec. 1; Sp. p. 744; Gaz. vol. 137; p. 1103.
- Sylvia, F. A., Los Angeles, Cal. Carbureting and oil-separating apparatus. No. 896,422; Aug. 18; Sp. p. 3273; Dr. p. 702; Gaz. vol. 135; p. 1478.
- Sylvan, E. W. (See Sylvan, G. J. B., and E. W.)
- Sylvan, G. J. B., and E. W., Columbia, S. C. Clock-movement. No. 884,961; Apr. 14; Sp. p. 2642; Dr. p. 561; Gaz. vol. 133; p. 1640.
- Sylvan, G. J. B., and E. W., Columbia, S. C. Clock-movement. No. 888,271; May 19; Sp. p. 3878; Dr. pp. 816-17; Gaz. vol. 134; p. 694.
- Sylvan, J. B. (See Sylvan, G. J. B., and E. W.)
- Sylvester, R., Lindsay, Ontario, Canada. Traveling thresher. No. 882,977; Mar. 24; Sp. p. 4947; Dr. pp. 1051-2; Gaz. vol. 133; p. 910.
- Sylvesteren, J. H., Dundee, Ill. Plow. No. 887,147; May 12; Sp. p. 1599; Dr. p. 340; Gaz. vol. 134; p. 294.
- Sylvia, M., *et al.* (See Heale, J. E., assignor.)
- Symington, T. H., assignor to T. H. Symington Company, Baltimore, Md. Apparatus for molding. No. 895,814; Aug. 11; Sp. p. 2089; Dr. p. 443; Gaz. vol. 135; p. 1260.
- Symington, T. H., assignor to T. H. Symington Company, Baltimore, Md. Journal-box. No. 904,460; Nov. 17; Sp. p. 3939; Gaz. vol. 137; p. 699.
- Symmonds, R., Jr., assignor to T. B. Jeffery, Kenosha, Wis. Power-changing mechanism. No. 894,473; July 28; Sp. p. 4385; Dr. p. 905; Gaz. vol. 135; p. 768.
- Symonds, C. M. (See Young and Symonds.)
- Symonds, H., East St. Louis, Ill. Register-clamp. No. 887,543; May 12; Sp. p. 2474; Dr. p. 522; Gaz. vol. 134; p. 426.
- Symons, E. B., Fort Wayne, Ind., assignor to T. L. Smith, Milwaukee, Wis. Dumping-wagon. No. 876,687; Feb. 11; Sp. p. 1690; Dr. p. 350; Gaz. vol. 132; p. 1145.
- Symons, J., Philadelphia, Pa. Couch-roll. No. 902,774; Nov. 3; Sp. p. 466; Gaz. vol. 137; p. 81.
- Symons, W. E., Chicago, Ill. Cast-steel truck. No. 877,014; Jan. 21; Sp. p. 2742; Dr. p. 594; Gaz. vol. 132; p. 513.
- Symons, W. E., Chicago, Ill. Ventilating system. No. 903,339; Nov. 10; Sp. p. 1608; Gaz. vol. 137; p. 294.
- Synchronous Static Company. (See Seeley, J. E., assignor.)
- Synck, H., Maria Stein, Ohio. Manure-spreader. No. 887,359; May 12; Sp. p. 2084; Dr. p. 437; Gaz. vol. 134; p. 366.
- Synnesvedt, P., Pittsburg, Pa., assignor to Westinghouse Air Brake Company. Load-brake apparatus. No. 892,195; June 30; Sp. p. 6100; Dr. pp. 1312-13; Gaz. vol. 134; p. 2161.
- Syracuse Chilled Plow Company. (See Chase, A. M., assignor.)
- Szye, J. F., Yorktown Heights, N. Y. Well-curb. No. 880,597; Mar. 3; Sp. p. 225; Dr. p. 47; Gaz. vol. 133; p. 39.
- Szafke, J. (See Clarke and Szafke.)
- Szalay, J. (See Lenkey and Szalay.)
- Szántó, A., Paris, France. Lubricating apparatus. No. 885,399; Apr. 21; Sp. p. 3578; Dr. p. 748; Gaz. vol. 133; p. 1817.
- Szeczygl, C. V., Amsterdam, N. Y. Window-ventilator. No. 904,100; Nov. 17; Sp. p. 3174; Gaz. vol. 137; p. 576.
- Szek, J. T., London, England. Carbon electrode. No. 901,497; Oct. 20; Sp. p. 3013; Dr. p. 615; Gaz. vol. 136; p. 1603.
- Szek, J. T., London, England. Galvanic cell. No. 905,952; Dec. 8; Sp. p. 1650; Gaz. vol. 137; p. 1285.
- Szemerey, G., New York, N. Y. Attachment for guns. No. 889,644; June 2; Sp. p. 885; Dr. p. 203; Gaz. vol. 134; p. 1203.
- Szlabus, F., Berlin, Germany. Labeling-machine. No. 891,747; June 23; Sp. p. 5202; Dr. pp. 1125-6; Gaz. vol. 134; p. 1982.
- Szperkowski, A. B., Berlin, Germany. Automatic valve. No. 899,768; Sept. 29; Sp. p. 5014; Dr. p. 1075; Gaz. vol. 136; p. 945.
- Szpor, Z., Stanislawow, Austria-Hungary. Plunging furnace. No. 884,875; Apr. 14; Sp. p. 2477; Dr. p. 521; Gaz. vol. 133; p. 1615.
- Szuk, G., and W. Hackl, Budapest, Austria-Hungary. Electric-arc lamp for alternating currents. No. 885,400; Apr. 21; Sp. p. 3580; Dr. p. 749; Gaz. vol. 133; p. 1818.
- T. C. Prouty Company. (See Hughes, G. M., assignor.)
- T. C. Prouty Company. (See Mull, C., assignor.)
- T. C. Prouty Company. (See Prouty, T. C., assignor.)
- T. H. Symington Company. (See Norwood, J. E., assignor.)
- T. H. Symington Company. (See Symington, T. H., assignor.)
- T. J. Thorp Manufacturing Company. (See Thorp, T. J., assignor.)
- T. L. Smith Company. (See Smith, T. L., assignor.)
- T. R. Almond Manufacturing Company. (See Almond, T. R., assignor.)
- T. W. Phillips Manufacturing Company. (See Palm, V. H., assignor.)
- Tabb, W. S., Chicago, Ill. Combined safety-razor and stropper. No. 902,625; Nov. 3; Sp. p. 186; Gaz. vol. 137; p. 31.
- Taber, F. J., Garfield, Ky. Railway-brace. No. 905,763; Dec. 1; Sp. p. 1288; Gaz. vol. 137; p. 1193.
- Taber, H. H. (See Alvord, E. H., assignor.)
- Tabet, S. A., Norfolk, Va. Welding copper. No. 893,207; July 14; Sp. p. 1663; Dr. p. 351; Gaz. vol. 135; p. 300.

Alphabetical list of patentees—Continued.

- Tabler, E. J. (See Gilbert and Tabler.)
 Tabler, F. C., assignor of fifty-one one-hundredths to G. V. R. Mechin, St. Louis, Mo. Antiseptic attachment for telephones. No. 900,447; Oct. 6; Sp. p. 799; Dr. p. 164; Gaz. vol. 136; p. 1197.
 Tabler, G. T., Royse City, Tex. Closure for oil-cans, jugs, &c. No. 876,504; Jan. 14; Sp. p. 1657; Dr. p. 359; Gaz. vol. 132; p. 303.
 Tabler, J. T. (See Gilbert and Tabler.)
 Tabor, C. D., New York, N. Y., assignor of one-half to A. Schrafft, Newark, N. J. Weather-strip. No. 882,593; Mar. 24; Sp. p. 4174; Dr. p. 886; Gaz. vol. 133; p. 782.
 Tabor, C. D., Jersey City, assignor to Tabor Sash Company, Newark, N. J. Window. No. 890,726; June 16; Sp. p. 3114; Dr. pp. 683-4; Gaz. vol. 134; p. 1615.
 Tabor, C. D., New Dorp, N. Y., assignor to Tabor Sash Company, Newark, N. J. Sash-center. No. 908,046; Dec. 29; Sp. p. 5809; Gaz. vol. 137; p. 2056.
 Tabor, H., Elizabeth, N. J., and W. Lewis, Philadelphia, Pa., assignors to Tabor Manufacturing Company, Camden, N. J. Molding-machine. No. 891,508; June 23; Sp. p. 4708; Dr. p. 1019; Gaz. vol. 134; p. 1904.
 Tabor Manufacturing Company. (See Lewis, W., assignor.)
 Tabor Manufacturing Company. (See Tabor and Lewis, assignors.)
 Tabor Sash Company. (See Tabor, C. D., assignor.)
 Tacchi, P. G., Acton, London, England. Driving-gear for motor road-vehicles. No. 877,613; Jan. 28; Sp. p. 3971; Dr. pp. 857-8; Gaz. vol. 132; p. 731.
 Tack, O., Newark, N. J., assignor to Tower & Lyon Company, New York, N. Y. Boring-tool. No. 884,111; Apr. 7; Sp. p. 924; Dr. p. 194; Gaz. vol. 133; p. 1336.
 Tackaberry, W. J. (See Shaw, D. P., assignor.)
 Tadini, G. F., New York, N. Y. Universal joint. No. 885,401; Apr. 21; Sp. p. 3581; Dr. p. 749; Gaz. vol. 133; p. 1818.
 Taft, J. W., Jackson, Miss. Lifting-jack means. No. 908,354; Dec. 29; Sp. p. 6465; Gaz. vol. 137; p. 2163.
 Taft, C. A., Northbridge, assignor to Whitin Machine Works, Whitinsville, Mass. Thread-guiding mechanism for spinning or twisting machines. No. 905,886; Dec. 1; Sp. p. 513; Gaz. vol. 137; p. 1071.
 Taft, H. S., New York, N. Y., and U. Thompson, Jr., Honolulu, Hawaii, Ter. Dredging apparatus. No. 890,470; June 9; Sp. p. 2553; Dr. pp. 565-7; Gaz. vol. 134; p. 1497.
 Taft, S. E. (See Bartel and Taft.)
 Taft, S. E., South Framingham, Mass., assignor to American Lacing Hook Co. Lacing-hook-setting machine. No. 883,256; Mar. 31; Sp. p. 5512; Dr. pp. 1175-6; Gaz. vol. 133; p. 1031.
 Taft, S. E., South Framingham, Mass., assignor to American Lacing Hook Co. Clutch mechanism for lacing-hook-setting machines. No. 884,051; Apr. 7; Sp. p. 772; Dr. p. 161; Gaz. vol. 133; p. 1316.
 Taft, S. E., South Framingham, Mass., assignor to American Lacing Hook Co. Clutch mechanism for lacing-hook-setting machines. No. 887,544; May 12; Sp. p. 2475; Dr. pp. 522-3; Gaz. vol. 134; p. 426.
 Taft, S. E., South Framingham, Mass., assignor to American Lacing Hook Co. Lacing-hook-setting machine. No. 900,795; Oct. 13; Sp. p. 1539; Dr. p. 313; Gaz. vol. 136; p. 1337.
 Taggart, D., Indianapolis, Ind. Boiler-furnace. No. 891,641; June 23; Sp. p. 4996; Dr. p. 1077; Gaz. vol. 134; p. 1947.
 Taggart, E. E., New York, N. Y. Acetylene-generator. No. 902,023; Oct. 27; Sp. p. 4103; Dr. p. 831; Gaz. vol. 136; p. 1804.
 Taggart, M. V., Grenola, Kans. Combined dish pan and drainer. No. 883,840; Apr. 7; Sp. p. 346; Dr. p. 67; Gaz. vol. 133; p. 1216.
 Taggart, W. C. (See Schultz and Taggart.)
 Tagliabue, C. J. (See Schneider, R. F., assignor.)
 Tagliaferro, A. P., New York, N. Y. Extension-table. No. 890,540; June 9; Sp. p. 2693; Dr. p. 594; Gaz. vol. 134; p. 1521.
 Tainter, S. S. (See Stanley and Tainter.)
 Tainter, S. S., Dixfield, Me. Machine for boxing toothpicks. No. 886,091; Apr. 28; Sp. p. 4987; Dr. p. 1049; Gaz. vol. 133; p. 2069.
 Tainter, W. W. (See Stanley and Tainter.)
 Taisey Pneumatic Service Company. (See Collins, M. R., assignor.)
 Tait, H., Buffalo, N. Y. Rake-tooth cleaner. No. 886,164; Apr. 28; Sp. p. 5132; Dr. p. 1079; Gaz. vol. 133; p. 2092.
 Taite, J. C., et al. (See Borries, F. W. A. von, assignor.) (Reissue.)
 Taiz, J., Philadelphia, Pa. Binder attachment for sewing-machines. No. 894,761; July 28; Sp. p. 4931; Dr. p. 1027; Gaz. vol. 135; p. 861.
 Takacs, J. (See Schurjer and Takacs.)
 Tâlas, L., New York, N. Y. Lock-alarm. No. 900,326; Oct. 6; Sp. p. 542; Dr. p. 112; Gaz. vol. 136; p. 1157.
 Talbot, B., Middlesborough, England. Treating steel ingots and the like. No. 887,286; May 12; Sp. p. 1920; Gaz. vol. 134; p. 340.
 Talbot, F. L. (See Talbot, R. C., assignor.)
 Talbot, H. H., St. Joseph, Mo. Firearm. No. 882,594; Mar. 24; Sp. p. 4178; Dr. pp. 886-7; Gaz. vol. 133; p. 783.
 Talbot, R. C., Camrose, assignor of two-thirds to F. L. and S. B. Talbot, Wetaskiwin, Alberta, Canada. Roof-climber. No. 906,082; Dec. 8; Sp. p. 1902; Gaz. vol. 137; p. 1326.
 Talbot, S. B. (See Talbot, R. C., assignor.)
 Talbot, T. F., Jr., Cheyenne, Wyo. Safety-gate for railway-cars. No. 899,494; Sept. 22; Sp. p. 4420; Dr. p. 949; Gaz. vol. 136; p. 819.
 Talbot, W. E. (See Dorris, S. M., assignor.)
 Talbott, H. E. (See Case, L., assignor.)
 Talbott, T. F., Harristown, Ill. Fodder-cart. No. 886,664; May 5; Sp. p. 644; Dr. p. 133; Gaz. vol. 134; p. 111.
 Taliaferro, E. E., Colorado Springs, Colo. Blacking-machine. No. 900,448; Oct. 6; Sp. p. 803; Dr. pp. 164-7; Gaz. vol. 136; p. 1198.
 Taliaferro, E. E., assignor of one-sixth to H. Spingler, Colorado Springs, Colo. Stop-motion. No. 892,915; July 7; Sp. p. 1064; Dr. p. 223; Gaz. vol. 135; p. 176.
 Taliaferro, J. C. (See Krummel and Taliaferro.)
 Taliaferro, J. C., Baltimore, Md., assignor to Continental Can Company, Syracuse, N. Y. Drying-machine. No. 903,620; Nov. 10; Sp. p. 2186; Gaz. vol. 137; p. 387.
 Taliaferro, W. B., Cape Girardeau, Mo. Rail-joint. No. 885,656; Apr. 21; Sp. p. 4080; Dr. p. 854; Gaz. vol. 133; p. 1896.
 Talley, B. F., assignor of one-half to M. B. Rutherford, Wakita, Okla. Pruning implement. No. 899,687; Sept. 29; Sp. p. 4835; Dr. p. 1035; Gaz. vol. 136; p. 917.
 Talley, H. B., Farmland, Ind. Drinking-fount for live stock. No. 901,048; Oct. 13; Sp. p. 2064; Dr. p. 419; Gaz. vol. 136; p. 1420.
 Tallman, H. M., Shelbyville, Ill., assignor to Admiral Hay Press Co., Kansas City, Mo. Hay-baling press. No. 901,849; Oct. 20; Sp. p. 3726; Dr. p. 758; Gaz. vol. 136; p. 1716.
 Talnadge, C. M., and P. M. Veibell, Hillman, Wash. Snatch-block. No. 900,894; Oct. 13; Sp. p. 1754; Dr. p. 355; Gaz. vol. 136; p. 1369.
 Talton, O., Krebs, Okla. Meat chopping and pounding machine. No. 901,267; Oct. 13; Sp. p. 2464; Dr. pp. 505-6; Gaz. vol. 136; p. 1489.
 Tambling, F. C., Seattle, Wash., assignor of one-third to E. G. Smiley, Stevens Point, Wis. Nut-lock. No. 900,796; Oct. 13; Sp. p. 1543; Dr. p. 313; Gaz. vol. 136; p. 1337.
 Tambour, J., Nanterre, near Paris, France. Safety locking device for small-arms. No. 891,748; June 23; Sp. p. 5207; Dr. p. 1126; Gaz. vol. 134; p. 1983.
 Tambour, J., Nanterre, near Paris, France. Safety-lock for revolvers, pistols, or the like. No. 905,020; Nov. 24; Sp. p. 5129; Gaz. vol. 137; p. 913.
 Tanck, J., and J. C. Johnson, Kenosha, Wis. Axle-skein. No. 881,499; Mar. 10; Sp. p. 2007; Dr. p. 438; Gaz. vol. 133; p. 365.
 Tandy, J. L., Kansas City, Mo. Combined couch, cot, and davenport. No. 904,373; Nov. 17; Sp. p. 3764; Gaz. vol. 137; p. 670.
 Tandy, J. L., Kansas City, Mo. Combined davenport, folding bed, and couch. No. 907,650; Dec. 22; Sp. p. 4977; Gaz. vol. 137; p. 1897.
 Tangney, J., and B. C. Barnes, Colton, Cal. Safety railway-switch device. No. 898,154; Sept. 8; Sp. p. 1876; Dr. p. 401; Gaz. vol. 136; p. 326.
 Tangring, O., assignor to American Steel & Wire Company, Worcester, Mass. Wire rope. No. 883,759; Apr. 7; Sp. p. 157; Dr. p. 28; Gaz. vol. 133; p. 1219.
 Tanke, E., assignor to Siemens & Halske A. G., Berlin, Germany. Telephone-exchange apparatus. No. 899,850; Sept. 29; Sp. p. 5203; Dr. p. 1114; Gaz. vol. 136; p. 973.
 Tannehill, S. M., Connellsville, Pa. Moving-picture apparatus. No. 879,691; Feb. 18; Sp. p. 3708; Dr. p. 777; Gaz. vol. 132; p. 1509.
 Tanner, B., Sturgis, Mich. Fence-post mold. No. 876,027; Jan. 7; Sp. p. 663; Dr. p. 143; Gaz. vol. 132; p. 114.
 Tanner, D. N., Tupelo, Miss. Blacksmith and machinist tongs. No. 891,509; June 23; Sp. p. 4710; Dr. p. 1020; Gaz. vol. 134; p. 1904.
 Tanner, J. J. (See Stookey and Tanner.)
 Tanner, L., Grand Rapids, Mich. Belt. No. 898,700; Sept. 15; Sp. p. 2938; Dr. p. 630; Gaz. vol. 136; p. 535.
 Tanner, R., Lincoln, Nebr. Automatic registering device. No. 878,835; Feb. 11; Sp. p. 1974; Dr. pp. 409-10; Gaz. vol. 132; p. 1192.
 Tanner, R. J., Lincoln, Nebr. Dancing toy. No. 880,933; Mar. 3; Sp. p. 906; Dr. p. 195; Gaz. vol. 133; p. 153.
 Tanner, R. J., Lincoln, Nebr. Carpet-stretcher. No. 884,776; Apr. 14; Sp. p. 2282; Dr. pp. 480-1; Gaz. vol. 133; p. 1583.
 Tannert, M., and M. Bösherz, Stettin, Germany. Automatically-changing advertising device. No. 902,927; Nov. 3; Sp. p. 795; Gaz. vol. 137; p. 131.
 Tannewitz, E., Grand Rapids, Mich. Turning-lathe. No. 887,148; May 12; Sp. p. 1601; Dr. p. 340; Gaz. vol. 134; p. 294.
 Tannewitz, E., Grand Rapids, Mich. Turning-lathe. No. 895,699; Aug. 11; Sp. p. 1841; Dr. p. 392; Gaz. vol. 135; p. 1223.
 Tanning, L., and W. J. Ryan, New York, N. Y. Boat-handling device. No. 903,025; Nov. 3; Sp. p. 1000; Gaz. vol. 137; p. 164.

Alphabetical list of patentees—Continued.

- Tansley, G. H., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firing-pin-locking device for firearms. No. 891,510; June 23; Sp. p. 4711; Dr. p. 1020; Gaz. vol. 134; p. 1904.
- Tanzy, J. J., assignor of one-half to G. Ulrich, Hartford, Conn. Suction device for securing glasses in place. No. 886,273; Apr. 28; Sp. p. 5328; Dr. p. 1121; Gaz. vol. 133; p. 2130.
- Tapley, J. F., New York, N. Y. Binder. No. 903,621; Nov. 10; Sp. p. 2190; Gaz. vol. 137; p. 387.
- Tappe, E. A. (See Long and Tappe.)
- Tarbell, C. B., Tombstone, Ariz. Ter. Extensible water-tower or stand-pipe. No. 877,255; Jan. 21; Sp. p. 3242; Dr. p. 702; Gaz. vol. 132; p. 595.
- Tarbett and Fraser. (See Fraser, J., assignor.)
- Tarbox, G. E., Spokane, Wash. Clothes steaming and pressing machine. No. 880,934; Mar. 3; Sp. p. 907; Dr. p. 195; Gaz. vol. 133; p. 153.
- Tarbox, W. S., Malden, Mass. Match-box holder. No. 893,673; July 21; Sp. p. 2633; Dr. p. 551; Gaz. vol. 135; p. 483.
- Tarn, T. R., assignor to R. H. Jackson, Pittsburg, Pa. Valve. No. 905,605; Dec. 1; Sp. p. 992; Gaz. vol. 137; p. 1142.
- Tarnow, G. E., Chicago, Ill. Holder and fastening device for ribbon bows and the like. No. 887,149; May 12; Sp. p. 1602; Dr. p. 340; Gaz. vol. 134; p. 294.
- Tarnow, G. E., Chicago, Ill. Fastening device for ribbon bows or neckties. No. 906,575; Dec. 15; Sp. p. 2829; Gaz. vol. 137; p. 1512.
- Tarpley, J. W., and E. T. Lister, McKnight, Okla. Animal-poke. No. 890,817; June 16; Sp. p. 3312; Dr. p. 725; Gaz. vol. 134; p. 1646.
- Tarr, E. B., Derrick City, Pa. Draw-jack. No. 879,692; Feb. 18; Sp. p. 3709; Dr. p. 777-8; Gaz. vol. 132; p. 1510.
- Tarrant, T. H. (See Tarrant, W. A. and T. H.)
- Tarrant, W. A., Duenweg, and T. H. Tarrant, Prosperity, assignors of one-third to M. Lown, Duenweg, Mo. Metal brake. No. 890,816; June 16; Sp. p. 3310; Dr. p. 725; Gaz. vol. 134; p. 1646.
- Tarrant, W. G., Versailles, Ill. Animal and fowl catcher. No. 901,210; Oct. 13; Sp. p. 2354; Dr. p. 481; Gaz. vol. 136; p. 1471.
- Tartaroff, W., St. Petersburg, Russia. Hydraulic press. No. 877,139; Jan. 21; Sp. p. 2999; Dr. p. 648; Gaz. vol. 132; p. 555.
- Tartikoff, M., New York, N. Y. Combined garment. No. 905,021; Nov. 24; Sp. p. 5130; Gaz. vol. 137; p. 914.
- Tasker, F. E., *et al.* (See Rice, J. V., Jr., assignor.)
- Tassey, J. C., and J. B. Harrington, Nashville, Tenn. Boiler-tube press. No. 897,175; Aug. 25; Sp. p. 4835; Dr. p. 1028; Gaz. vol. 135; p. 1747.
- Tatchell, P., London, England. Sail-boom. No. 879,986; Feb. 25; Sp. p. 4335; Dr. pp. 908-9; Gaz. vol. 132; p. 1639.
- Tate, A. O., Toronto, Ontario, Canada, assignor to Tate Electrolytic Company of America. Storage-battery plate. No. 880,420; Feb. 25; Sp. p. 5217; Dr. p. 1099; Gaz. vol. 132; p. 1783.
- Tate, A. O., Toronto, Ontario, Canada, assignor to Tate Electrolytic Company of America. Storage-battery plate. No. 880,421; Feb. 25; Sp. p. 5220; Dr. p. 1099; Gaz. vol. 132; p. 1783.
- Tate, A. O., Toronto, Ontario, Canada, assignor to Tate Electrolytic Company of America. Storage-battery plate. No. 880,422; Feb. 25; Sp. p. 5223; Dr. p. 1100; Gaz. vol. 132; p. 1783.
- Tate, A. O., Toronto, Ontario, Canada, assignor to Tate Electrolytic Company of America. Storage-battery plate. No. 880,423; Feb. 25; Sp. p. 5225; Dr. p. 1100; Gaz. vol. 132; p. 1784.
- Tate, A. O., Toronto, Ontario, Canada, assignor to Tate Electrolytic Company of America. Storage-battery plate. No. 880,424; Feb. 25; Sp. p. 5227; Dr. p. 1100; Gaz. vol. 132; p. 1784.
- Tate, A. O., Toronto, Ontario, Canada, assignor to Tate Electrolytic Company of America. Storage-battery plate. No. 880,425; Feb. 25; Sp. p. 5229; Dr. p. 1101; Gaz. vol. 132; p. 1785.
- Tate, C. C., Bogalusa, La. Tie-cutting machine. No. 880,935; Mar. 3; Sp. p. 908; Dr. pp. 195-6; Gaz. vol. 133; p. 153.
- Tate, C. L., Connersville, Ind. Liquid-measure. No. 898,701; Sept. 15; Sp. p. 2939; Dr. p. 630; Gaz. vol. 136; p. 535.
- Tate Electrolytic Company of America. (See Tate, A. O., assignor.)
- Tate, J. L., Jersey City, N. J. Means for producing motive power. No. 886,274; Apr. 28; Sp. p. 5329; Dr. p. 1121; Gaz. vol. 133; p. 2130.
- Tatlow, R. H. (See Birdsall, C. A., assignor.)
- Tatum, J. J. (See Banks and Tatum.)
- Tatum, J. W., Durham, N. C. Curtain-shade bracket. No. 876,411; Jan. 14; Sp. p. 1452; Dr. p. 312; Gaz. vol. 132; p. 269.
- Tatum, J. W., Philadelphia, Pa. Stand for calendars. No. 901,754; Oct. 20; Sp. p. 3554; Dr. p. 719; Gaz. vol. 136; p. 1688.
- Tatum, L. N., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. System of distribution. No. 883,760; Apr. 7; Sp. p. 158; Dr. p. 28; Gaz. vol. 133; p. 1219.
- Tatum, L. N., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. System of distribution. No. 885,106; Apr. 21; Sp. p. 2934; Dr. p. 623; Gaz. vol. 133; p. 1716.
- Tatum, L. N., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Controller. No. 887,442; May 12; Sp. p. 2270; Dr. p. 476; Gaz. vol. 134; p. 393.
- Taube, H. G. (See Döhn, W. von, assignor.)
- Tavel, E. W. (See Spear and Tavel.)
- Tavis, F. A. (See Tavis, J. J., assignor.)
- Tavis, J. J., assignor of one-half to F. A. Tavis, Glen Ullin, N. D. Bag-fastener. No. 892,330; June 30; Sp. p. 6362; Dr. p. 1372; Gaz. vol. 134; p. 2206.
- Taxis, F. C., St. Louis, Mo. Concrete floor construction. No. 888,671; May 26; Sp. p. 4716; Dr. p. 1003; Gaz. vol. 134; p. 858.
- Taylor, G. B., Germantown, Nebr. Door-locking device. No. 881,209; Mar. 10; Sp. p. 1419; Dr. pp. 306-7; Gaz. vol. 133; p. 271.
- Taylor, A., *et al.* (See Burgess, J. D., assignor.)
- Taylor, A. (See Taylor, Parsons, Mott, Taylor, and Fisher.)
- Taylor, A., London, England. Suitable apparatus for concentrating and washing minerals. No. 899,441; Sept. 22; Sp. p. 4318; Dr. pp. 927-8; Gaz. vol. 136; p. 800.
- Taylor, A., Cresson, Pa. Lubricator for car-wheels. No. 908,047; Dec. 29; Sp. p. 5811; Gaz. vol. 137; p. 2057.
- Taylor, A., Jr., assignor of two-thirds to A. W. Turner, O. Johnson, and C. G. Edmund, Minneapolis, Minn. Derrick. No. 889,826; June 2; Sp. p. 1237; Dr. p. 286; Gaz. vol. 134; p. 1260.
- Taylor, A. A., Stockton, Cal. Water-gate. No. 894,240; July 28; Sp. p. 3899; Dr. p. 805; Gaz. vol. 135; p. 691.
- Taylor, A. C., Charleston, S. C. Extension step-ladder. No. 886,737; May 5; Sp. p. 824; Dr. p. 170; Gaz. vol. 134; p. 137.
- Taylor, A. C., and F. W. Dawson, Charleston, S. C. Combined curtain-pole and shade-roller support. No. 882,180; Mar. 17; Sp. p. 3400; Dr. p. 722; Gaz. vol. 133; p. 615.
- Taylor, A. E., Necedah, Wis. Sleigh. No. 882,356; Mar. 17; Sp. p. 3736; Dr. p. 794; Gaz. vol. 133; p. 673.
- Taylor, A. E., assignor to Elyria Gas Engine Company, Elyria, Ohio. Stuffing-box. No. 896,870; Aug. 25; Sp. p. 4192; Dr. p. 898; Gaz. vol. 135; p. 1647.
- Taylor, A. E., L. F. Parsons, A. Mott, A. Taylor, and E. Fisher, Albion, N. Y. Gate. No. 893,111; July 14; Sp. p. 1468; Dr. p. 309; Gaz. vol. 135; p. 270.
- Taylor, A. H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Hammer-drill. No. 898,702; Sept. 15; Sp. p. 2941; Dr. p. 630; Gaz. vol. 136; p. 535.
- Taylor, A. H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Water-spraying device for pneumatic tools. No. 905,387; Dec. 1; Sp. p. 514; Gaz. vol. 137; p. 1071.
- Taylor, A. H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Water-spraying device for pneumatic tools. No. 905,388; Dec. 1; Sp. p. 515; Gaz. vol. 137; p. 1072.
- Taylor, B. E., assignor of one-half to C. D. Chewning, Randolph, N. Y. Striking-cup attachment. No. 892,771; July 7; Sp. p. 743; Dr. p. 157; Gaz. vol. 135; p. 128.
- Taylor Burner & Electroplating Company. (See Taylor, W. G., assignor.)
- Taylor, C. C. (See Saddler, H. K., assignor.)
- Taylor, C. D., *et al.* (See Richards, W. T., assignor.)
- Taylor, C. E., Woodsville, N. H. Bride-bit. No. 905,953; Dec. 8; Sp. p. 1651; Gaz. vol. 137; p. 1285.
- Taylor, C. F., Hartford, and G. M. McClellan, East Hartford, Conn.; said McClellan assignor, by mesne assignments, to F. C. Atkins, Hartford, Conn. Paper-ruling machine. (Reissue.) No. 12,792; May 12; Sp. p. 2852; Dr. pp. 602-3; Gaz. vol. 134; p. 492.
- Taylor, C. G., Sibley, Iowa. Seed-corn tester. No. 899,000; Sept. 15; Sp. p. 3470; Dr. p. 743; Gaz. vol. 136; p. 631.
- Taylor, C. H., Westmount, Quebec, assignor to Taylor Hydraulic Air Compressing Company Limited, Montreal, Canada. Hydraulic air-compressor. No. 892,772; July 7; Sp. p. 745; Dr. pp. 157-8; Gaz. vol. 135; p. 129.
- Taylor, C. L., Alliance, Ohio. Electric heater. No. 887,871; May 19; Sp. p. 3131; Dr. p. 657; Gaz. vol. 134; p. 565.
- Taylor, C. L., assignor to Morgan Engineering Company, Alliance, Ohio. Throttling device for hydraulic machinery. No. 881,165; Mar. 10; Sp. p. 1338; Dr. pp. 288-9; Gaz. vol. 133; p. 258.
- Taylor, C. L., assignor to Morgan Engineering Company, Alliance, Ohio. Hydraulic valve. No. 891,964; June 30; Sp. p. 5678; Dr. p. 1223; Gaz. vol. 134; p. 2087.
- Taylor, C. L., assignor to Morgan Engineering Company, Alliance, Ohio. Charging-crane. No. 899,083; Sept. 22; Sp. p. 3629; Dr. p. 777; Gaz. vol. 136; p. 685.
- Taylor, C. L., assignor to Morgan Engineering Company, Alliance, Ohio. Electric controller. No. 906,576; Dec. 15; Sp. p. 2831; Gaz. vol. 137; p. 1512.

Alphabetical list of patentees—Continued.

- Taylor, C. R., assignor of one-sixth to O. J. Ricketts, one-sixth to E. Eynon, Jr., and one-third to W. F. Mahony, Washington, D. C. Ink-fountain. No. 877,679; Jan. 28; Sp. p. 4092; Dr. p. 886; Gaz. vol. 132; p. 752.
- Taylor, C. W., assignor, by mesne assignments, to E. F. Glock, Detroit, Mich. Combined graphophone and picture-exhibitor. No. 884,239; Apr. 7; Sp. p. 1174; Dr. pp. 247-8; Gaz. vol. 133; p. 1378.
- Taylor, D. W., Washington, D. C. Screw-propeller. No. 900,797; Oct. 13; Sp. p. 1543; Dr. p. 314; Gaz. vol. 136; p. 1338.
- Taylor, E., Edwardsville, Kans. Covering attachment for seed-planters. No. 886,665; May 5; Sp. p. 646; Dr. p. 134; Gaz. vol. 134; p. 111.
- Taylor, E., New York, N. Y., assignor to Taylor Herrick Rotary Engine Company. Control-valve for rotary engines. No. 899,814; Sept. 29; Sp. p. 5118; Dr. pp. 1094-5; Gaz. vol. 136; p. 960.
- Taylor, E. H. (See Evans and Taylor.)
- Taylor, E. H., Valdosta, Ga. Cap for tin or other metal cans. No. 894,296; July 28; Sp. p. 4029; Dr. p. 832; Gaz. vol. 135; p. 710.
- Taylor, E. H., Lynn, Mass. Shank-machine. No. 896,953; Aug. 25; Sp. p. 4391; Dr. pp. 939-40; Gaz. vol. 135; p. 1675.
- Taylor, E. Z., assignor to Mono Service Vessels, Limited, London, England. Milk-receptacle. No. 885,887; Apr. 28; Sp. p. 4558; Dr. p. 956; Gaz. vol. 133; p. 2002.
- Taylor, E. Z., assignor to Mono Service Vessels, Limited, London, England. Milk-receptacle. No. 889,986; June 9; Sp. p. 1580; Dr. p. 354; Gaz. vol. 134; p. 1339.
- Taylor, F. E., Richmond, assignor of one-half to J. F. Knepper, Webster, Ind. Window-screen. No. 889,064; May 26; Sp. p. 5505; Dr. p. 1170; Gaz. vol. 134; p. 984.
- Taylor, F. W. Ashland, Va. Pneumatic tire. No. 901,211; Oct. 13; Sp. p. 2354; Dr. p. 482; Gaz. vol. 136; p. 1471.
- Taylor, G. J., assignor of one-half to A. E. Hyde, Salt Lake City, Utah. Motor-vehicle. No. 885,704; Apr. 21; Sp. p. 4176; Dr. p. 874; Gaz. vol. 133; p. 1911.
- Taylor, G. K. (See Shannon and Taylor.)
- Taylor, G. P., Clinton, Mass. Safety-razor. No. 892,629; July 7; Sp. p. 462; Dr. pp. 98-9; Gaz. vol. 135; p. 82.
- Taylor, H., Philadelphia, assignor of one-half to S. W. Chiles, South Bethlehem, Pa. Calendar. No. 900,228; Oct. 6; Sp. p. 319; Dr. p. 66; Gaz. vol. 136; p. 1125.
- Taylor, H. A., Barrytown, Ala. Colter. No. 895,595; Aug. 11; Sp. p. 1643; Dr. p. 346; Gaz. vol. 135; p. 1189.
- Taylor, H. B., assignor of one-half to J. Taylor, Philadelphia, Pa. Circular-knitting machine. No. 901,924; Oct. 20; Sp. p. 3866; Dr. p. 788; Gaz. vol. 136; p. 1741.
- Taylor, H. C., Gilmer, Tex. Insecticide. No. 882,724; Mar. 24; Sp. p. 4439; Gaz. vol. 133; p. 826.
- Taylor, H. G., St. Paul, Minn. Postal card. No. 879,802; Feb. 18; Sp. p. 3913; Dr. p. 820; Gaz. vol. 132; p. 1546.
- Taylor, H. G., St. Paul, Minn. Card-exhibiting machine. No. 880,598; Mar. 3; Sp. p. 227; Dr. pp. 47-8; Gaz. vol. 133; p. 40.
- Taylor, H. G., assignor of one-half to P. King, Milton, Mass. Safety-envelop. No. 894,081; July 21; Sp. p. 3551; Dr. pp. 728-9; Gaz. vol. 135; p. 619.
- Taylor, H. H., Bridgeport, Conn. Pompadour-roll. No. 882,655; Mar. 24; Sp. p. 4302; Dr. p. 913; Gaz. vol. 133; p. 804.
- Taylor, H. H., Bridgeport, Conn. Safety-pin. No. 894,241; July 28; Sp. p. 3900; Dr. p. 806; Gaz. vol. 135; p. 691.
- Taylor, H. H., San Jose, assignor to himself, and F. J. Mayhew, San Francisco, Cal. Mechanism for transmitting power from car-axles. No. 904,461; Nov. 17; Sp. p. 3940; Gaz. vol. 137; p. 699.
- Taylor, H. H., San Jose, assignor to himself, and F. J. Mayhew, San Francisco, Cal. Intermittently-driven mechanism adapted for constant driving. No. 904,462; Nov. 17; Sp. p. 3946; Gaz. vol. 137; p. 700.
- Taylor, H. H., San Jose, assignor to himself, and F. J. Mayhew, San Francisco, Cal. Clutch. No. 904,463; Nov. 17; Sp. p. 3951; Gaz. vol. 137; p. 700.
- Taylor, H. H., San Jose, assignor of one-half to himself, and one-half to J. Pearse, Oakland, Cal. Talking-machine. No. 906,469; Dec. 8; Sp. p. 2626; Gaz. vol. 137; p. 1452.
- Taylor, H. P., Salt Lake City, Utah. Filtering apparatus. No. 880,426; Feb. 25; Sp. p. 5231; Dr. p. 1101; Gaz. vol. 132; p. 1785.
- Taylor, H. W. (See Marson, J., assignor.)
- Taylor Herrick Rotary Engine Company. (See Taylor, E., assignor.)
- Taylor Hydraulic Air Compressing Company. (See Taylor, C. H., assignor.)
- Taylor, I. (See Taylor, J. H. and I.)
- Taylor, I. H., Philadelphia, Pa. Garbage-pail. No. 890,818; June 16; Sp. p. 3313; Dr. p. 725; Gaz. vol. 134; p. 1647.
- Taylor Instrument Companies. (See Maurer, H. W., assignor.)
- Taylor Iron & Steel Company. (See Brinton, W., assignor.)
- Taylor Iron & Steel Company. (See Phelps, F. A., assignor.)
- Taylor Iron and Steel Company. (See Sherrerd, J. M., assignor.)
- Taylor Iron & Steel Company. (See Thomas, F. J., assignor.)
- Taylor, J. (See Taylor, H. B., assignor.)
- Taylor, J., Ludington, Mich. Roller-bearing. No. 892,096; June 30; Sp. p. 5896; Dr. p. 1270; Gaz. vol. 134; p. 2127.
- Taylor, J., Liverpool, England. Vehicle sanding apparatus. No. 902,626; Nov. 3; Sp. p. 187; Gaz. vol. 137; p. 32.
- Taylor, J., and E. W. Buckley, Newton Heath, Manchester, England. Mechanical warp stop-motion for weaving-loom, warping-machines, and the like. No. 897,429; Sept. 1; Sp. p. 392; Dr. pp. 82-4; Gaz. vol. 136; p. 61.
- Taylor, J. A. (See Casey, T., assignor.)
- Taylor, J. C., Willoughby, Ohio. Detachable screen-door hinge. No. 890,471; June 9; Sp. p. 2560; Dr. p. 567; Gaz. vol. 134; p. 1497.
- Taylor, J. D., Edgewood Park, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. No. 882,275; Mar. 17; Sp. p. 3584; Dr. p. 761; Gaz. vol. 133; p. 646.
- Taylor, J. D., Edgewood Park, assignor to Union Switch & Signal Company, Swissvale, Pa. Electric signaling system. No. 882,276; Mar. 17; Sp. p. 3586; Dr. p. 761; Gaz. vol. 133; p. 646.
- Taylor, J. D., Edgewood Park, assignor to Union Switch & Signal Company, Swissvale, Pa. Apparatus governing the passage of cars or vehicles along a railway and the control thereof. No. 887,283; May 12; Sp. p. 1929; Dr. p. 407; Gaz. vol. 134; p. 341.
- Taylor, J. D., Pittsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway switching apparatus. No. 887,287; May 12; Sp. p. 1921; Dr. pp. 406-7; Gaz. vol. 134; p. 340.
- Taylor, J. D., Pittsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Control of apparatus governing the passage of cars or vehicles along a railway. No. 887,290; May 12; Sp. p. 1943; Dr. p. 408-9; Gaz. vol. 134; p. 341.
- Taylor, J. D., Pittsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Safety-controller for electric switch-operating apparatus. No. 887,291; May 12; Sp. p. 1947; Dr. pp. 409-10; Gaz. vol. 134; p. 342.
- Taylor, J. D., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling the passage of trains. No. 887,289; May 12; Sp. p. 1935; Dr. pp. 407-8; Gaz. vol. 134; p. 341.
- Taylor, J. D., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Apparatus for governing the passage of cars or vehicles along a railway. No. 892,770; July 7; Sp. p. 736; Dr. pp. 155-6; Gaz. vol. 135; p. 128.
- Taylor, J. H., Waterloo, Nebr. Metallic railway-signal. No. 877,967; Feb. 4; Sp. p. 144; Dr. pp. 32-3; Gaz. vol. 132; p. 873.
- Taylor, J. H., Waterloo, Nebr. Horse-collar pad. No. 881,356; Mar. 10; Sp. p. 1724; Dr. p. 371; Gaz. vol. 133; p. 319.
- Taylor, J. H., Chicago, Ill. Flange-making process. No. 879,925; Feb. 25; Sp. p. 4231; Dr. p. 884; Gaz. vol. 132; p. 1621.
- Taylor, J. H. and I., Philadelphia, Pa. Hair-waver. No. 897,323; Sept. 1; Sp. p. 135; Dr. p. 28; Gaz. vol. 136; p. 21.
- Taylor, J. L., Bloomfield, N. J. Bar-clamp. No. 893,949; July 21; Sp. p. 3268; Dr. p. 672; Gaz. vol. 135; p. 574.
- Taylor, J. M., Minneapolis, Minn. Garment-supporter. No. 883,550; May 26; Sp. p. 4455; Dr. p. 944; Gaz. vol. 134; p. 816.
- Taylor, J. Q., Cooper, Tex. Axle-straightener. No. 884,429; Apr. 14; Sp. p. 1532; Dr. p. 328; Gaz. vol. 133; p. 1467.
- Taylor, J. R. (See Speer and Taylor.)
- Taylor, J. T., assignor of two-thirds to J. C. Harris and F. T. Hunt, South Boston, Va. Railway-curve tester and gage. No. 880,837; Mar. 3; Sp. p. 720; Dr. p. 151; Gaz. vol. 133; p. 122.
- Taylor, J. W., Fulton, Ky. Vehicle brake apparatus. No. 883,061; Mar. 24; Sp. p. 5099; Dr. p. 1088; Gaz. vol. 133; p. 936.
- Taylor, J. W. and R. F. Burns, Tenn. Glove. No. 883,761; Apr. 7; Sp. p. 163; Dr. p. 29; Gaz. vol. 133; p. 1219.
- Taylor, L. (See Harman and Taylor.)
- Taylor, L., West Chester, Pa. Range-finder. No. 903,915; Nov. 17; Sp. p. 2804; Gaz. vol. 137; p. 516.
- Taylor, L. C., trustee. (See Harthan, F. E., assignor.)
- Taylor, L. G., Kansas City, Mo. Powder-dividing and capsule-filling apparatus. No. 894,917; Aug. 4; Sp. p. 256; Dr. p. 56; Gaz. vol. 135; p. 940.
- Taylor, M. D., Rochelle, Ill. Cooker. No. 879,693; Feb. 18; Sp. p. 3712; Dr. pp. 778-80; Gaz. vol. 132; p. 1510.
- Taylor, R., assignor to Automatic Ventilator Company, New York, N. Y. Window-ventilator. No. 884,052; Apr. 7; Sp. p. 775; Dr. pp. 161-2; Gaz. vol. 133; p. 1317.
- Taylor, R. C., Brooklyn, N. Y., assignor to L. J. Hunter, Cincinnati, Ohio. Destination-sign for street-cars. No. 893,758; July 21; Sp. p. 2887; Dr. p. 593; Gaz. vol. 135; p. 512.
- Taylor, R. F. (See Taylor, J. W. and R. F.)
- Taylor, R. T., Gastonville, Pa. Sash-holder. No. 903,622; Nov. 10; Sp. p. 2192; Gaz. vol. 137; p. 387.
- Taylor, S. C., et al. (See Le Compte, J., assignor.)
- Taylor, T. P., Bridgeport, Conn. Hair-roll. No. 894,762; July 28; Sp. p. 4933; Dr. p. 1027; Gaz. vol. 135; p. 861.
- Taylor, T. P., Bridgeport, Conn. Hair-roll. No. 902,775; Nov. 3; Sp. p. 467; Gaz. vol. 137; p. 81.

Alphabetical list of patentees—Continued.

- Taylor, T. P., Bridgeport, Conn. Combined abdomen-compress and hose-supporter. No. 903,623; Nov. 10; Sp. p. 2193; Gaz. vol. 137; p. 388.
- Taylor, T. P., Bridgeport, Conn. Combined abdomen-compress and hose-supporter. No. 903,624; Nov. 10; Sp. p. 2195; Gaz. vol. 137; p. 388.
- Taylor, T. P., Bridgeport, Conn. Combined abdomen-compress and hose-supporter. No. 903,625; Nov. 10; Sp. p. 2196; Gaz. vol. 137; p. 388.
- Taylor, T. P., Bridgeport, Conn. Combined abdomen-compress and hose-supporter. No. 903,626; Nov. 10; Sp. p. 2197; Gaz. vol. 137; p. 388.
- Taylor, T. P., Bridgeport, Conn. Combined abdomen-compress and hose-supporter. No. 903,627; Nov. 10; Sp. p. 2198; Gaz. vol. 137; p. 389.
- Taylor, T. P., Bridgeport, Conn. Combined abdomen-compress and hose-supporter. No. 903,628; Nov. 10; Sp. p. 2199; Gaz. vol. 137; p. 389.
- Taylor, T. B., Bridgeport, Conn. Combined abdomen-compress and hose-supporter. No. 903,629; Nov. 10; Sp. p. 2200; Gaz. vol. 137; p. 389.
- Taylor, W., Leicester, England. Golf-ball. No. 878,254; Feb. 4; Sp. p. 743; Dr. p. 150; Gaz. vol. 132; p. 968.
- Taylor, W., Leicester, England. Photographic shutter. No. 908,355; Dec. 29; Sp. p. 6466; Gaz. vol. 137; p. 2164.
- Taylor, W., Emoryville, W. Va. Rail-joint. No. 889,645; June 2; Sp. p. 887; Dr. p. 204; Gaz. vol. 134; p. 1203.
- Taylor, W., West Kensington, London, England. Apparatus for the amusement of the public. No. 896,481; Aug. 18; Sp. p. 3396; Dr. p. 731; Gaz. vol. 135; p. 1498.
- Taylor, W. B., Lynn, Mass., assignor to General Electric Company. Condenser. No. 897,500; Sept. 1; Sp. p. 530; Dr. pp. 112-13; Gaz. vol. 136; p. 85.
- Taylor, W. E. (See Bryan and Taylor.)
- Taylor, W. G., assignor to Taylor Burner & Electroplating Company, Pittsburg, Pa. Wiring device for fireplace-frames. No. 904,374; Nov. 17; Sp. p. 3767; Gaz. vol. 137; p. 671.
- Taylor, W. H., Jr., et al. (See Burgess, J. D., assignor.)
- Taylor, W. H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Spindle for dial-locks. No. 876,028; Jan. 7; Sp. p. 665; Dr. p. 143; Gaz. vol. 132; p. 115.
- Taylor, W. H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Changeable combination-lock. No. 883,587; Mar. 31; Sp. p. 6201; Dr. pp. 1321-2; Gaz. vol. 133; p. 1136.
- Taylor, W. H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Combination-lock. No. 904,236; Nov. 17; Sp. p. 3493; Gaz. vol. 137; p. 625.
- Taylor, W. H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Changeable combination-lock. No. 907,915; Dec. 29; Sp. p. 5537; Gaz. vol. 137; p. 2014.
- Taylor, W. H., Baltimore, Md., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting nails. No. 887,870; May 19; Sp. p. 3123; Dr. pp. 656-7; Gaz. vol. 134; p. 564.
- Taylor, W. M., Stephenville, Tex. Heading-machine. No. 902,928; Nov. 3; Sp. p. 798; Gaz. vol. 137; p. 132.
- Taylor, W. N. (See Ward and Taylor.)
- Taylor, W. N., Diamond, Cal. Tooth-brush. No. 878,164; Feb. 4; Sp. p. 571; Dr. p. 116; Gaz. vol. 132; p. 937.
- Tea Tray Company of Newark, N. J. (See Marten, A. S., assignor.)
- Teachout, R. B., assignor of two-thirds to W. R. Kilborn and O. S. Heyden, Petoskey, Mich. Rotary force-pump. No. 907,097; Dec. 15; Sp. p. 3797; Gaz. vol. 137; p. 1676.
- Teachworth, W. H., Waxahachie, Tex. Strain-relieving attachment for telegraph-keys. No. 883,062; Mar. 24; Sp. p. 5100; Dr. p. 1088; Gaz. vol. 133; p. 936.
- Teal, A. M., St. John, Wash. Truck. No. 875,867; Jan. 7; Sp. p. 352; Dr. p. 78; Gaz. vol. 132; p. 65.
- Teal, B. F., Glenside, Pa. Universal joint. No. 893,281; July 14; Sp. p. 1808; Dr. p. 380; Gaz. vol. 135; p. 326.
- Teal, B. F., Glenside, Pa. Variable-speed power-transmission mechanism. No. 908,048; Dec. 29; Sp. p. 5813; Gaz. vol. 137; p. 2057.
- Teal, B. F., Glenside, Pa. Spiral gear. No. 908,049; Dec. 29; Sp. p. 5816; Gaz. vol. 137; p. 2058.
- Teare, J. T., Stillwater, Minn. Log-fishing grapple. No. 902,344; Oct. 27; Sp. p. 4774; Dr. p. 963; Gaz. vol. 136; p. 1908.
- Teas, D. H. (See Greenleaf and Teas.)
- Teasdale, A. W., St. Louis, Mo. Carton. No. 899,922; Sept. 29; Sp. p. 5333; Dr. p. 1139; Gaz. vol. 136; p. 994.
- Teasley, A. W., and M. Van, Ozone, Tenn. Tobacco-cutter. No. 881,357; Mar. 10; Sp. p. 1725; Dr. p. 372; Gaz. vol. 133; p. 319.
- Tebbutt, J. T., Three Rivers, Quebec, Canada. Shoe. No. 906,830; Dec. 15; Sp. p. 3310; Gaz. vol. 137; p. 1593.
- Tebyrnicá, J. F., São Paulo, Brazil, and W. Halstead; said Tebyrnicá assignor to Engelberg Huller Company, Syracuse, N. Y. Coffee-sheller. No. 879,211; Feb. 13; Sp. p. 2710; Dr. p. 565; Gaz. vol. 132; p. 1352.
- Teddy Jaw Pulverizer Company. (See Fulcher, W. H., assignor.)
- Tedeschi, A., Milan, Italy. Transmission-gear casing. No. 886,738; May 5; Sp. p. 826; Dr. p. 170; Gaz. vol. 134; p. 137.
- Teel, F. H., assignor to Peabody Leather Machinery Company, Peabody, Mass. Machine for treating hides, skins, and leather. No. 891,787; June 23; Sp. p. 5287; Dr. pp. 1144-5; Gaz. vol. 134; p. 1997.
- Teepie, W. S., Wellsburg, W. Va. Glass-blowing machine. No. 894,082; July 21; Sp. p. 3554; Dr. p. 729; Gaz. vol. 135; p. 619.
- Teese, W. J., New York, N. Y. Lock. No. 904,375; Nov. 17; Sp. p. 3768; Gaz. vol. 137; p. 671.
- Teeter, L., Chatham, Ontario, Canada. Fifth-wheel. No. 903,241; Nov. 10; Sp. p. 1415; Gaz. vol. 137; p. 262.
- Teets, L. F., Ralston, N. J. Umbrella. No. 907,916; Dec. 29; Sp. p. 5540; Gaz. vol. 137; p. 2014.
- Teetzel, J. W., South Bend, Ind. Well-drilling machine. No. 888,205; May 19; Sp. p. 3755; Dr. pp. 788-9; Gaz. vol. 134; p. 671.
- Tegarden, O. D., Nashville, assignor of one-half to S. R. Tegarden, Columbia, Tenn. Machine for making concrete slabs. No. 903,916; Nov. 17; Sp. p. 2808; Gaz. vol. 137; p. 516.
- Tegarden, S. R. (See Tegarden, O. D., assignor.)
- Teichner, G., and P. Askenasy, Nuremberg, Germany. Electrolytically producing persulfates. No. 880,599; Mar. 3; Sp. p. 229; Gaz. vol. 133; p. 40.
- Teike, G., Tangerhütte, Germany. Toothed-wheel-molding machine. No. 900,327; Oct. 6; Sp. p. 544; Dr. p. 113; Gaz. vol. 136; p. 1157.
- Teipel, H. C., St. Louis, Mo. Clothes-rack. No. 882,277; Mar. 17; Sp. p. 3589; Dr. p. 761; Gaz. vol. 133; p. 646.
- Tekippe, W. J., New Hampton, Iowa. Rotary engine. No. 887,872; May 19; Sp. p. 3133; Dr. pp. 657-8; Gaz. vol. 134; p. 565.
- Telegraph Transmitting Instrument Company. (See Cardwell, G. A., assignor.)
- Telegraphic Company. (See Powers, T. B., assignor.) (Reissue.)
- Telephone Tollmeter Company. (See Hall, I. H., Jr., assignor.)
- Telepost Company of Maine. (See Delany, P. B., assignor.)
- Telford, W. S., Duluth, Minn. Shoe. No. 902,929; Nov. 3; Sp. p. 801; Gaz. vol. 137; p. 132.
- Tell, W. H., Gulfport, Miss. Mail-bag support. No. 904,658; Nov. 24; Sp. p. 4363; Gaz. vol. 137; p. 792.
- Teller, J. C., assignor of forty-nine one-hundredths to Z. C. Colborn, Minneapolis, Minn., and W. T. Colborn, Kansas City, Mo. Supplemental draft device for furnaces. No. 881,166; Mar. 10; Sp. p. 1341; Dr. p. 289; Gaz. vol. 133; p. 258.
- Tellerson, H. A., Oakland, Cal. Oil-can. No. 889,491; June 2; Sp. p. 613; Dr. p. 143; Gaz. vol. 134; p. 1154.
- Teltschik, F. H. (See Beck and Teltschik.)
- Temperley, J. (See Temperley and Alexander.)
- Temperley, J. R. and J., and W. Alexander, London, England. Transporting appliance and the like. No. 883,841; Apr. 7; Sp. p. 347; Dr. pp. 67-8; Gaz. vol. 133; p. 1216.
- Temperley, J. R. and J., and W. Alexander, London, England. Cable-transporter. No. 887,873; May 19; Sp. p. 3135; Dr. pp. 658-60; Gaz. vol. 134; p. 565.
- Temperley, J. R. and J., and W. Alexander, London, England. Apparatus for raising, lowering, and conveying or transporting loads. No. 894,083; July 21; Sp. p. 3556; Dr. pp. 729-32; Gaz. vol. 135; p. 620.
- Temple Cotton Chopping Machine Co. (See Ferriotti, C. L., assignor.)
- Temple, T. D. (See Peterson, O., assignor.)
- Temple, W. A., Knoxville, Iowa. Four-horse evener. No. 907,651; Dec. 22; Sp. p. 4982; Gaz. vol. 137; p. 1897.
- Temple, W. J., Brookline, Mass. Preparing liquid yeast mixtures for bread. No. 904,573; Nov. 24; Sp. p. 4197; Gaz. vol. 137; p. 764.
- Templeman, R. L., Ruby, Va. Wagon end-gate. No. 904,818; Nov. 24; Sp. p. 4711; Gaz. vol. 137; p. 846.
- Templier, H. L., Cleveland, Transvaal. Treating crushed ore previous to cyaniding or the like. No. 886,892; May 5; Sp. p. 1119; Dr. p. 234; Gaz. vol. 134; p. 184.
- Temples, W. W., Birmingham, Ala. Cradle. No. 889,065; May 26; Sp. p. 5506; Dr. pp. 1170-1; Gaz. vol. 134; p. 984.
- Templeton, A. W., Tornado, W. Va. Wire-stretcher. No. 900,229; Oct. 6; Sp. p. 321; Dr. p. 66; Gaz. vol. 136; p. 1125.
- Templeton, W. F., Bigcut, Va. Churn. No. 896,482; Aug. 18; Sp. p. 3397; Dr. p. 731; Gaz. vol. 135; p. 1499.
- Templeton, W. G., Colorado Springs, Colo. Scale. No. 877,680; Jan. 28; Sp. p. 4094; Dr. p. 886; Gaz. vol. 132; p. 753.
- Templeton, W. G., Colorado Springs, Colo. Weighing-scale. No. 892,773; July 7; Sp. p. 749; Dr. p. 158; Gaz. vol. 135; p. 129.
- Templeton, W. G., Colorado Springs, Colo. Scale. No. 900,895; Oct. 13; Sp. p. 1756; Dr. pp. 355-6; Gaz. vol. 136; p. 1370.
- Templeton, W. G., Colorado Springs, Colo. Scale. No. 900,896; Oct. 13; Sp. p. 1757; Dr. p. 357; Gaz. vol. 136; p. 1370.
- Templeton, W. G., Colorado Springs, Colo. Scale. No. 902,266; Oct. 27; Sp. p. 4588; Dr. p. 932; Gaz. vol. 136; p. 1881.

Alphabetical list of patentees—Continued.

- Temps, H. W., Harburg-on-the-Elbe, Germany. Method of and apparatus for stripping weaving-strips from ratan canes. No. 882,978; Mar. 24; Sp. p. 4948; Dr. p. 1052; Gaz. vol. 133; p. 910.
- Ten Broeke, H. W., Milwaukee, Wis. Combined fender and brake. No. 889,987; June 9; Sp. p. 1582; Dr. pp. 354-5; Gaz. vol. 134; p. 1340.
- Ten Eyck, W. H., Oakland, Cal. Car-stake. No. 893,112; July 14; Sp. p. 1469; Dr. p. 310; Gaz. vol. 135; p. 270.
- Tener, C. E., Des Moines, Iowa. Automatic mail-delivery for railway-cars. No. 887,292; May 12; Sp. p. 1951; Dr. p. 410; Gaz. vol. 134; p. 342.
- Tennent, R. D., Connellsville, Pa. Door-jamb setter. No. 880,252; Feb. 25; Sp. p. 4880; Dr. p. 1032; Gaz. vol. 132; p. 1728.
- Tennerstedt, R. (See Lindstrom, H., assignor.)
- Tenney, C. I., Mason City, Iowa. Boiler for gas-making systems. No. 900,230; Oct. 6; Sp. p. 322; Dr. p. 66; Gaz. vol. 136; p. 1125.
- Tenney, C. I., Mason City, Iowa. Gas-generator. No. 900,231; Oct. 6; Sp. p. 323; Dr. p. 67; Gaz. vol. 136; p. 1125.
- Tenney, W. F., Port Allegany, Pa. Glazing-strip. No. 889,412; June 2; Sp. p. 444; Dr. p. 105; Gaz. vol. 134; p. 1129.
- Terhorst, G. W. and J. A., Pittsburg, Pa. Culinary vessel. No. 878,908; Feb. 11; Sp. p. 2120; Dr. p. 442; Gaz. vol. 132; p. 1215.
- Terhorst, J. A. (See Terhorst, G. W. and J. A.)
- Terhune, L. L., Newark, N. J. Horn. No. 896,672; Aug. 18; Sp. p. 3749; Dr. p. 808; Gaz. vol. 135; p. 1557.
- Termaat, J. D., *et al.* (See Monahan, L. J., assignor.)
- Termaat & Monahan Co. (See Monahan, L. J., assignor.)
- Terpenning, G., Jersey City Heights, N. J. Extensible bedstead. No. 905,764; Dec. 1; Sp. p. 1289; Gaz. vol. 137; p. 1194.
- Terrell, E., Columbus, Ohio, assignor to E. V. Gambier, trustee. Assembling attachment for type-setting machines. No. 880,341; Feb. 25; Sp. p. 5043; Dr. p. 1065; Gaz. vol. 132; p. 1756.
- Terrell, N. A., assignor of one-half to J. Raines, Charlottesville, Va. Automatic reflector for locomotives. No. 885,679; Apr. 21; Sp. p. 4125; Dr. p. 863; Gaz. vol. 133; p. 1904.
- Terrisse, H., assignor, by mesne assignments, to Fabrique de Vernis et Produits Chimiques (Société Anonyme), Vernier, Switzerland. Treatment of hard and semihard copals and the preparation of varnishes. No. 883,842; Apr. 7; Sp. p. 351; Gaz. vol. 133; p. 1247.
- Terrisse, H., assignor to Société Anonyme de la Thyoleine, Vernier, near Geneva, Switzerland. Insecticide. No. 901,268; Oct. 13; Sp. p. 2466; Gaz. vol. 136; p. 1489.
- Terry, C. A., New York, N. Y. Lifting-shackle. No. 876,505; Jan. 14; Sp. p. 1658; Dr. p. 360; Gaz. vol. 132; p. 303.
- Terry, C. A., New York, N. Y. Core-drilling apparatus. No. 877,528; Jan. 28; Sp. p. 3779; Dr. p. 818; Gaz. vol. 132; p. 703.
- Terry, C. A., New York, N. Y. Core-drilling apparatus. No. 878,909; Feb. 11; Sp. p. 2121; Dr. p. 443; Gaz. vol. 132; p. 1215.
- Terry, C. A., New York, N. Y. Core-drilling apparatus. No. 904,161; Nov. 17; Sp. p. 3314; Gaz. vol. 137; p. 598.
- Terry, D. S., Ofahoma, Miss. Well-bucket. No. 897,324; Sept. 1; Sp. p. 138; Dr. p. 29; Gaz. vol. 136; p. 21.
- Terry, E., assignor of one-half to L. A. Wait, Ithaca, N. Y. Pick. No. 902,627; Nov. 3; Sp. p. 191; Gaz. vol. 137; p. 32.
- Terry, E. C., assignor to Terry Steam Turbine Company, Hartford, Conn. Steam-turbine. No. 877,873; Jan. 28; Sp. p. 4437; Dr. pp. 966-7; Gaz. vol. 132; p. 813.
- Terry, E. F., New York, N. Y. Collapsible wrecking derrick and car. No. 885,803; Apr. 28; Sp. p. 4400; Dr. pp. 921-3; Gaz. vol. 133; p. 1974.
- Terry, O. N., Lincoln, Nebr., assignor of one-half to R. D. Smith, Boston, Mass. Spark-arrester. No. 906,083; Dec. 8; Sp. p. 1903; Gaz. vol. 137; p. 1326.
- Terry Steam Turbine Company. (See Terry, E. C., assignor.)
- Terry, Trench & Proctor Tunneling Machine Company. (See Proctor, O. S., assignor.)
- Terry, W., Pearl City, Ill. Game apparatus. No. 890,104; June 9; Sp. p. 1814; Dr. p. 401; Gaz. vol. 134; p. 1380.
- Terry, W., Pearl City, Ill. Horse-collar fastener. No. 892,331; June 30; Sp. p. 6363; Dr. p. 1372; Gaz. vol. 134; p. 2206.
- Terry, W. B. (See Russell and Terry.)
- Terry, W. C., Bath, Me. Cable-hook. No. 894,349; July 28; Sp. p. 4132; Dr. p. 854; Gaz. vol. 135; p. 728.
- Terry, W. C., assignor, by mesne assignments, to Macallen Company, Boston, Mass. Strain-insulator. No. 882,979; Mar. 24; Sp. p. 4950; Dr. p. 1053; Gaz. vol. 133; p. 910.
- Terry, W. H., Fall River, Mass. Culinary device. No. 884,688; Apr. 14; Sp. p. 2097; Dr. p. 448; Gaz. vol. 133; p. 1553.
- Terzich, A., Sonora, Cal. Remedy for poison-oak rash. No. 906,084; Dec. 8; Sp. p. 1904; Gaz. vol. 137; p. 1326.
- Tesseyman, H., assignor to Barney and Smith Car Company, Dayton, Ohio. Metallic underframe for railway-cars. No. 893,282; July 14; Sp. p. 1810; Dr. p. 380; Gaz. vol. 135; p. 326.
- Tesseyman, J. E. (See Irwin and Tesseyman.)
- Tessier, E. L. (See Haskell, Petty, and Tessier.)
- Tessier, J., Antler, N. D. Car-coupling. No. 896,773; Aug. 25; Sp. p. 3974; Dr. p. 855; Gaz. vol. 135; p. 1614.
- Tessmer, F. J. (See Key and Tessmer.)
- Tessmer, F. J., St. Louis, Mo. Chuck. No. 879,212; Feb. 18; Sp. p. 2711; Dr. p. 565; Gaz. vol. 132; p. 1352.
- Teter, C. K., assignor of one-half to F. M. Casto, Cleveland, Ohio. Apparatus for administering anesthetics. No. 883,987; Apr. 7; Sp. p. 649; Dr. pp. 130-1; Gaz. vol. 133; p. 1295.
- Tetlow, L. J., Chicopee Falls, assignor to New England Trolley Wheel Company, Holyoke, Mass. Trolley-wheel. No. 902,628; Nov. 3; Sp. p. 192; Gaz. vol. 137; p. 32.
- Tetlow, W. A., Salem, Ohio. Button. No. 906,335; Dec. 8; Sp. p. 2396; Gaz. vol. 137; p. 1411.
- Tetlow, W. A., Salem, Ohio. Device for firing locomotives. No. 906,336; Dec. 8; Sp. p. 2397; Gaz. vol. 137; p. 1411.
- Tetraut, D. H., Rouses Point, N. Y. Stove-polish. No. 897,430; Sept. 1; Sp. p. 395; Gaz. vol. 136; p. 61.
- Tetraut, C. E., Newport, Vt. Self-propelled sleigh. No. 902,345; Oct. 27; Sp. p. 4775; Dr. pp. 963-4; Gaz. vol. 136; p. 1909.
- Tettenborn, C., Cincinnati, Ohio. Refrigerator. No. 905,118; Nov. 24; Sp. p. 5315; Gaz. vol. 137; p. 946.
- Teufel, W. J., Stuttgart, Germany. Elastic woven bandage. No. 889,827; June 2; Sp. p. 1238; Dr. p. 286; Gaz. vol. 134; p. 1260.
- Teutsch, R., Berlin, Germany. Fly-catcher. No. 877,256; Jan. 21; Sp. p. 3243; Dr. p. 702; Gaz. vol. 132; p. 595.
- Tevander, O. N., Chicago, Ill., assignor, by mesne assignments, to Flexible Steel Lacing Company. Belt-coupling. No. 876,607; Jan. 14; Sp. p. 1900; Dr. p. 414; Gaz. vol. 132; p. 339.
- Tevander, S., Maywood, Ill., assignor to American Can Company, New York, N. Y. Can-body-flanging machine. No. 877,257; Jan. 21; Sp. p. 3244; Dr. pp. 702-3; Gaz. vol. 132; p. 595.
- Tew, W. H., Glasgow, Scotland. Air compressor or pump. No. 879,213; Feb. 18; Sp. p. 2713; Dr. pp. 565-6; Gaz. vol. 132; p. 1353.
- Texas Pure Food Company. (See Stokes, J. M., assignor.)
- Textile Machine Works. (See Rahm, R. C., assignor.)
- Textile Machine Works. (See Thun, F., assignor.)
- Textile Machinery Company. (See Martin, F. H., assignor.)
- Teykl, J. F., and K. Wagener, Smithville, Tex.; said Wagener assignor to said Teykl. Measuring device. No. 903,143; Nov. 3; Sp. p. 1211; Gaz. vol. 137; p. 198.
- Thacher, J. J., Attleboro, Mass., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Work-rest for grinding-machines. No. 879,214; Feb. 18; Sp. p. 2714; Dr. p. 566; Gaz. vol. 132; p. 1353.
- Thackrah, F. R. (See Wilson and Thackrah.)
- Thaler, R., Bay City, Mich. Propeller-wheel. No. 906,337; Dec. 8; Sp. p. 2398; Gaz. vol. 137; p. 1411.
- Thalman, D. G., Kansas City, Mo. Fire-alarm. No. 879,601; Feb. 18; Sp. p. 3531; Dr. p. 739; Gaz. vol. 132; p. 1480.
- Tharp, N. W., Elkin, N. C. Household boiler and steam apparatus. No. 904,376; Nov. 17; Sp. p. 3770; Gaz. vol. 137; p. 672.
- Tharp, N. W., Elkin, N. C. Canning apparatus. No. 906,961; Dec. 15; Sp. p. 3560; Gaz. vol. 137; p. 1634.
- Thatcher, C. B., Bangor, Me. Invisible air-chamber and sponson for canoes. No. 883,588; Mar. 31; Sp. p. 6204; Dr. p. 1322; Gaz. vol. 133; p. 1136.
- Thatcher, H. D., Potsdam, N. Y. Bottle or container. No. 891,877; June 30; Sp. p. 5490; Dr. p. 1186; Gaz. vol. 134; p. 2058.
- Thatcher, H. D., Potsdam, N. Y. Paper receptacle. No. 891,878; June 30; Sp. p. 5492; Dr. p. 1187; Gaz. vol. 134; p. 2058.
- Thatcher, H. D., Potsdam, N. Y. Bottle or container. No. 891,879; June 30; Sp. p. 5493; Dr. p. 1187; Gaz. vol. 134; p. 2059.
- Thayer, C. F., Erie, Pa. Vehicle propelling mechanism. No. 875,748; Jan. 7; Sp. p. 137; Dr. p. 30; Gaz. vol. 132; p. 27.
- Thayer, G. H., Jr., Plymouth, Ind. Hydrocarbon-burner. No. 895,596; Aug. 11; Sp. p. 1644; Dr. p. 346; Gaz. vol. 135; p. 1190.
- Thayer, M. C., Manchester, N. H., assignor to Reece Button-Hole Machine Company, Boston, Mass. Apparatus for attaching stay-cords to buttonhole-pieces. No. 888,272; May 19; Sp. p. 3880; Dr. p. 817; Gaz. vol. 134; p. 694.
- Thayer, R. (See Ledwinka, J., assignor.)
- Thayer, R., Philadelphia, Pa. Dirigible balloon. No. 887,443; May 12; Sp. p. 2273; Dr. p. 477; Gaz. vol. 134; p. 393.
- Thayer, W. B., Columbus, Ga. Automatic mail-deliverer. No. 903,242; Nov. 10; Sp. p. 1417; Gaz. vol. 137; p. 262.
- Thayer, W. H., Chicago, Ill. Self-generating gas-torch. No. 895,597; Aug. 11; Sp. p. 1646; Dr. p. 347; Gaz. vol. 135; p. 1190.
- Theodor, W., St. Vincent, Minn. Folding umbrella. No. 880,427; Feb. 25; Sp. p. 5235; Dr. p. 1101; Gaz. vol. 132; p. 1785.
- Theisen, E., Munich, Germany. Gas-purifier. No. 895,313; Aug. 4; Sp. p. 1094; Dr. p. 229; Gaz. vol. 135; p. 1074.
- Therme, L. E. L., Strathcona, and S. McCordia, Edmonton, Alberta, Canada. Hydraulic compressor. No. 903,420; Nov. 10; Sp. p. 1757; Gaz. vol. 137; p. 320.
- Theo. A. Kochs Company. (See Fischer, Zimmerman, and Walker, assignors.)
- Theobald, J. L., Dayton, Ohio, assignor to Toledo Computing Scale Company, Newark, N. J. Scale. No. 895,125; Aug. 4; Sp. p. 702; Dr. p. 146; Gaz. vol. 135; p. 1010.

Alphabetical list of patentees—Continued.

- Therien, J. O., Minneapolis, Minn. Cigar-tip. No. 899,355; Sept. 22; Sp. p. 4171; Dr. p. 893; Gaz. vol. 136; p. 774.
- Therrien, G., Oldtown, Me. Money-drawer. No. 883,676; Mar. 31; Sp. p. 6380; Dr. pp. 1360-1; Gaz. vol. 133; p. 1163.
- Thesellus, F. G. (See Carlson, O., assignor.)
- Thessen, C., Everett, Wash. Cup-handle. No. 904,237; Nov. 17; Sp. p. 3494; Gaz. vol. 137; p. 625.
- Theurer, W. G. (See Jacobs, F. M., assignor.)
- Thevenet, P. N., Dallas, Tex. Electric-light support. No. 881,742; Mar. 10; Sp. p. 2486; Dr. p. 535; Gaz. vol. 133; p. 443.
- Thiaville, J. E., Fair Haven, Vt., assignor of one-half to W. Thiaville, Upper Troy, N. Y. Bait-trap. No. 885,402; Apr. 21; Sp. p. 3582; Dr. pp. 749-50; Gaz. vol. 133; p. 1818.
- Thiaville, W. (See Thiaville, J. E., assignor.)
- Thibodeau, C., assignor to American Circular Loom Company, Chelsea, Mass. Apparatus for perforating tubes. No. 893,674; July 21; Sp. p. 2633; Dr. pp. 551-2; Gaz. vol. 135; p. 483.
- Thibodeau, C., Somerville, and W. W. Harris, Winthrop, assignors to E. M. Wilson, Chelsea, Mass. Circular loom. No. 895,512; Aug. 11; Sp. p. 1475; Dr. pp. 309-12; Gaz. vol. 135; p. 1163.
- Thiede, C. F. (See Byers and Thiede.)
- Thiedemann, H. and J. H., Hickman, Nebr. Draft-elevator. No. 900,897; Oct. 13; Sp. p. 1759; Dr. p. 357; Gaz. vol. 136; p. 1370.
- Thiedemann, J. H. (See Thiedemann, H. and J. H.)
- Thiel, L., Cincinnati, Ohio. Variable-speed mechanism. No. 879,215; Feb. 18; Sp. p. 2715; Dr. p. 566; Gaz. vol. 132; p. 1354.
- Thiel, L., Cincinnati, Ohio. Variable-speed mechanism. No. 879,216; Feb. 18; Sp. p. 2717; Dr. p. 567; Gaz. vol. 132; p. 1354.
- Thiele, J. H., New York, N. Y. Safety-valve. No. 876,746; Jan. 14; Sp. p. 2167; Dr. p. 476; Gaz. vol. 132; p. 384.
- Thieler, J. H., Lenora, Kans. Crude-oil burner. No. 902,629; Nov. 3; Sp. p. 194; Gaz. vol. 137; p. 33.
- Thiellet, M. C., and M. J. Denard, Lyon, France. Electric accumulator. No. 900,898; Oct. 13; Sp. p. 1760; Dr. p. 357; Gaz. vol. 136; p. 1371.
- Thier, M., Erfurt, Germany. Distributing-gear for explosion-motors. No. 893,675; July 21; Sp. p. 2635; Dr. p. 552; Gaz. vol. 135; p. 483.
- Thies, C. F., Philadelphia, Pa. Plumb. No. 896,483; Aug. 18; Sp. p. 3398; Dr. p. 731; Gaz. vol. 135; p. 1499.
- Thies, J. B., Dayton, Ohio. Concrete mixer and conveyor. No. 892,630; July 7; Sp. p. 465; Dr. p. 99; Gaz. vol. 135; p. 83.
- Thillen, W. J., Buffalo, N. Y. Music-leaf turner. No. 904,901; Nov. 24; Sp. p. 4891; Gaz. vol. 137; p. 875.
- Thines, W. B., Trenton, N. J. Umbrella. No. 885,804; Apr. 28; Sp. p. 4403; Dr. p. 923; Gaz. vol. 133; p. 1974.
- Thirot, A. J. M., Bourges, assignor to himself, and L. A. Mage, Avignon, France. Electrolytic production of pure tin. No. 883,589; Mar. 31; Sp. p. 6204; Gaz. vol. 133; p. 1136.
- Thistle Manufacturing Company. (See Christensen, A. B., assignor.)
- Thistlethwaite, W. F. (See Armitage and Thistlethwaite.)
- Thode, A., Hamburg, Germany. Line-interrupter for electric railways. No. 904,902; Nov. 24; Sp. p. 4892; Gaz. vol. 137; p. 873.
- Thoen, C., Maywood, Ill. Mail-bag-receiving device. No. 885,680; Apr. 21; Sp. p. 4127; Dr. p. 864; Gaz. vol. 133; p. 1904.
- Thoen, B., New York, N. Y. Cotton-gin. No. 876,412; Jan. 14; Sp. p. 1453; Dr. p. 312; Gaz. vol. 132; p. 270.
- Thoits, A. T., and J. G. Gronberg, assignors to Caloric Fireless Cookstove Company, Grand Rapids, Mich. Fireless baker. No. 898,527; Sept. 15; Sp. p. 2599; Dr. p. 555; Gaz. vol. 136; p. 479.
- Thoits, A. T., and J. G. Gronberg, assignors to Caloric Fireless Cook Stove Company, Grand Rapids, Mich. Box-fastener. No. 899,084; Sept. 22; Sp. p. 3631; Dr. p. 778; Gaz. vol. 136; p. 686.
- Thom, T. M., Woodlands, Cheshunt, assignor to Lithographic Stone and Marble Company Limited, London, England. Manufacture of stone or marble artificially. No. 898,703; Sept. 15; Sp. p. 2943; Gaz. vol. 136; p. 535.
- Thoma, A., Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Electric-heated hand-molder for filling shoes. No. 878,688; Feb. 11; Sp. p. 1693; Dr. p. 350; Gaz. vol. 132; p. 1145.
- Thoma, C., Jr., and W. Carlstadt, N. J. Phonograph. No. 893,283; July 14; Sp. p. 1812; Dr. p. 381; Gaz. vol. 135; p. 326.
- Thoma, L., *et al.* (See Sebree, W. T., assignor.)
- Thoma, W. (See Thoma, C., Jr., and W.)
- Thomas, A., Worcester, Mass. Spraying device for watering streets. No. 883,257; Mar. 31; Sp. p. 5522; Dr. p. 1177; Gaz. vol. 133; p. 1031.
- Thomas, A., Clabecq, Belgium. Train of conveyer-rolls. No. 896,172; Aug. 18; Sp. p. 2758; Dr. p. 594; Gaz. vol. 135; p. 1395.
- Thomas, A., Detroit, Mich. Reinforcing-bar for concrete structures. No. 905,480; Dec. 1; Sp. p. 745; Gaz. vol. 137; p. 1103.
- Thomas, A., assignor of one-half to E. F. Glock, Detroit, Mich. Metallic reinforcement of concrete. No. 887,710; May 12; Sp. p. 2775; Dr. p. 586; Gaz. vol. 134; p. 481.
- Thomas, A. J., Harvey, Ill. Transmission-gearing for hoists. No. 884,777; Apr. 14; Sp. p. 2285; Dr. p. 481; Gaz. vol. 133; p. 1583.
- Thomas, A. N., Canton, Ohio. Game apparatus. No. 889,066; May 26; Sp. p. 5509; Dr. p. 1171; Gaz. vol. 134; p. 985.
- Thomas, A. O., Kearney, Nebr. Gang-mold. No. 877,140; Jan. 21; Sp. p. 3001; Dr. p. 648; Gaz. vol. 132; p. 555.
- Thomas, A. O., Kearney, Nebr. Gang-machine. No. 904,734; Nov. 24; Sp. p. 4524; Gaz. vol. 137; p. 848.
- Thomas, A. R., Grand Rapids, Mich. Weather-strip. No. 886,893; May 5; Sp. p. 1120; Dr. p. 234; Gaz. vol. 134; p. 184.
- Thomas, A. S. (See Thomas, W. J., assignor.)
- Thomas, A. W., Rome, N. Y. Boring-jig. No. 889,273; June 2; Sp. p. 157; Dr. p. 38; Gaz. vol. 134; p. 1083.
- Thomas, A. W., Rome, assignor to Burt Olney Canning Company, Oneida, N. Y. Corn-cutter knife. No. 894,804; July 28; Sp. p. 5019; Dr. p. 1044; Gaz. vol. 135; p. 875.
- Thomas Andrews Manufacturing Company. (See Andrews, T., assignor.)
- Thomas Andrews Manufacturing Company. (See Andrews, T., assignor.) (Reissue.)
- Thomas, B. R., assignor, by mesne assignments, to E. G. Soltmann, New York, N. Y. Composition of matter for the removal of ink. No. 878,689; Feb. 11; Sp. p. 1694; Gaz. vol. 132; p. 1145.
- Thomas and Betts. (See McMurtrie, A., assignor.)
- Thomas, C. C., Ithaca, N. Y. Steam-calorimeter. No. 898,610; Sept. 15; Sp. p. 2756; Dr. p. 589; Gaz. vol. 136; p. 505.
- Thomas, C. L., Ogden, Iowa. Attachment for ladders. No. 891,965; June 30; Sp. p. 5680; Dr. p. 1223; Gaz. vol. 134; p. 2088.
- Thomas & Co., R. (See Lewis, J., assignor.)
- Thomas, D. (See Stubert, H., assignor.)
- Thomas, D. S. (See Coffman, C. R., assignor.)
- Thomas, D. W., assignor of three-fourths to J. F. and C. F. Miller and J. H. Thomas, Monrovia, Cal. Railway-crossing alarm. No. 884,537; Apr. 14; Sp. p. 1758; Dr. pp. 377-8; Gaz. vol. 133; p. 1502.
- Thomas, E. (See Pangher, J., assignor.)
- Thomas, E. I., Oakland, Cal. Gas-leak detector. No. 895,815; Aug. 11; Sp. p. 2090; Dr. p. 443; Gaz. vol. 135; p. 1260.
- Thomas, E. L., Alma, Ill. Plow-tongs. No. 892,774; July 7; Sp. p. 751; Dr. p. 158; Gaz. vol. 135; p. 129.
- Thomas, F., Markleysburg, Pa. Paper-bag holder. No. 878,473; Feb. 4; Sp. p. 1170; Dr. p. 237; Gaz. vol. 132; p. 1040.
- Thomas, F., New York, N. Y. Manifold sales-check. No. 905,606; Dec. 1; Sp. p. 994; Gaz. vol. 137; p. 1142.
- Thomas, F. J., Greencastle, Ind., assignor to Taylor Iron & Steel Company, High Bridge, N. J. Tooth for excavating-shovels. No. 887,984; May 19; Sp. p. 3345; Dr. p. 702; Gaz. vol. 134; p. 602.
- Thomas, G., *et al.* (See James, T., assignor.)
- Thomas, G. B. (See Goodridge and Thomas.)
- Thomas, G. B., assignor to Perkins Electric Switch Mfg. Company, Bridgeport, Conn. Push-button switch. No. 907,098; Dec. 15; Sp. p. 3798; Gaz. vol. 137; p. 1676.
- Thomas, G. J., New York, N. Y. Telephone-receiver holder. No. 901,850; Oct. 20; Sp. p. 3728; Dr. p. 758; Gaz. vol. 136; p. 1716.
- Thomas, G. P., Pittsburg, Pa. Tool-operating machine. No. 886,551; May 5; Sp. p. 408; Dr. pp. 87-8; Gaz. vol. 134; p. 75.
- Thomas, G. W., assignor to R. Thomas and Sons Company, East Liverpool, Ohio. Die for saggars and the like. No. 878,910; Feb. 11; Sp. p. 2125; Dr. p. 443; Gaz. vol. 132; p. 1216.
- Thomas, H. J., Jr., Macon, Ga. Rail-joint. No. 895,909; Aug. 11; Sp. p. 2258; Dr. p. 482; Gaz. vol. 135; p. 1290.
- Thomas, H. M., Colorado Springs, Colo. Guy-anchor. No. 899,274; Sept. 22; Sp. p. 4037; Dr. p. 862; Gaz. vol. 136; p. 749.
- Thomas, H. T. (See Olds and Thomas.)
- Thomas, H. T., assignor to Reo Car Co., Lansing, Mich. Carbureter. No. 889,558; June 2; Sp. p. 735; Dr. p. 170; Gaz. vol. 134; p. 1175.
- Thomas, J. C., assignor of one-half to F. W. Barth, Corsicana, Tex. Tire-tread chain for automobile-wheels, &c. No. 894,084; July 21; Sp. p. 3560; Dr. p. 733; Gaz. vol. 135; p. 620.
- Thomas, J. E. (See Johnson, H. P., assignor.)
- Thomas, J. F., Elkhart, Ill. Stripper. No. 880,111; Feb. 25; Sp. p. 4580; Dr. p. 965; Gaz. vol. 132; p. 1679.
- Thomas, J. H., *et al.* (See Thomas, D. W., assignor.)
- Thomas, J. J., Guelph, Ontario, Canada. Upright piano. No. 878,025; Feb. 4; Sp. p. 277; Dr. p. 59; Gaz. vol. 132; p. 893.
- Thomas, J. J., Whiting, Iowa, and A. G. Christopherson, Scribner, Nebr. Telegraph-sounder. No. 885,545; Apr. 21; Sp. p. 3863; Dr. p. 808; Gaz. vol. 133; p. 1861.
- Thomas, J. M., assignor to Simplex Press Company, Atlanta, Ga. Printing-press. No. 907,538; Dec. 22; Sp. p. 4707; Gaz. vol. 137; p. 1860.
- Thomas, J. P., New York, N. Y. Exercising apparatus. No. 882,181; Mar. 17; Sp. p. 3401; Dr. p. 723; Gaz. vol. 133; p. 615.
- Thomas, J. R., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Planing-machine. No. 878,099; Feb. 4; Sp. p. 414; Dr. pp. 87-8; Gaz. vol. 132; p. 915.

Alphabetical list of patentees—Continued.

- Thomas, J. R., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Hand planing-machine. No. 878,911; Feb. 11; Sp. p. 2124; Dr. pp. 443-4; Gaz. vol. 132; p. 1216.
- Thomas, J. R., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Gaining-machine. No. 880,177; Feb. 25; Sp. p. 4718; Dr. p. 997; Gaz. vol. 132; p. 1702.
- Thomas, J. R., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Vertical tenoning-machine. No. 882,278; Mar. 17; Sp. p. 3590; Dr. pp. 761-2; Gaz. vol. 133; p. 647.
- Thomas, J. R., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Planing-machine. No. 887,021; May 5; Sp. p. 1351; Dr. p. 287; Gaz. vol. 134; p. 225.
- Thomas, J. R., and J. J. Meyers, assignors to J. A. Fay & Egan Company, Cincinnati, Ohio. Feeding device for woodworking machinery. No. 899,143; Sept. 22; Sp. p. 3751; Dr. pp. 804-5; Gaz. vol. 136; p. 706.
- Thomas, L., New York, N. Y. Garbage-bag. No. 893,759; July 21; Sp. p. 2889; Dr. p. 593; Gaz. vol. 135; p. 513.
- Thomas, L., Denver, assignor of two-thirds to A. B. Boylan, Victor, and F. Addis, Denver, Colo. Picture-hanger. No. 884,538; Apr. 14; Sp. p. 1760; Dr. p. 378; Gaz. vol. 133; p. 1503.
- Thomas, L. B., Ringgold, La. Well-bucket. No. 888,551; May 26; Sp. p. 4456; Dr. p. 944; Gaz. vol. 134; p. 817.
- Thomas, M. E., assignor of one-half to W. H. C. Jaques, Ottumwa, Iowa. Mining-tool. No. 893,950; July 21; Sp. p. 3269; Dr. p. 673; Gaz. vol. 135; p. 574.
- Thomas, M. E., assignor of three-fourths to W. Hall and E. W. Steele, Ottumwa, Iowa. Auger. No. 882,128; Mar. 17; Sp. p. 3285; Dr. p. 700; Gaz. vol. 133; p. 599.
- Thomas, M. T., Warren, Pa. Shaft-clamp. No. 907,539; Dec. 22; Sp. p. 4711; Gaz. vol. 137; p. 1861.
- Thomas Manufacturing Company. (See Pelton, C. H., assignor.)
- Thomas, O., Grünberg, Germany. Bridge. No. 903,630; Nov. 10; Sp. p. 2202; Gaz. vol. 137; p. 390.
- Thomas, O., and G. Blackwell, Bedford, Ind. Tube-cutter. No. 881,358; Mar. 10; Sp. p. 1726; Dr. p. 372; Gaz. vol. 133; p. 320.
- Thomas, O., Bedford, and G. Blackwell, Guthrie, Ind., assignors to Ingersoll-Rand Company, New York, N. Y. Lock-nut. No. 888,051; May 19; Sp. p. 3472; Dr. p. 727; Gaz. vol. 134; p. 622.
- Thomas, P. H., Montclair, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Circuit-breaker. No. 876,918; Jan. 14; Sp. p. 2501; Dr. p. 545; Gaz. vol. 132; p. 439.
- Thomas, P. H., Montclair, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Automatic regulating device. No. 877,258; Jan. 21; Sp. p. 3246; Dr. p. 703; Gaz. vol. 132; p. 596.
- Thomas, P. H., Montclair, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Electrical-distribution system. No. 908,167; Dec. 29; Sp. p. 6062; Gaz. vol. 137; p. 2098.
- Thomas, P. H., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric discharge apparatus. No. 882,218; Mar. 17; Sp. p. 3462; Dr. p. 736; Gaz. vol. 133; p. 626.
- Thomas, P. H., Pittsburg, Pa., assignor to Cooper Hewitt Electric Company. System of electric distribution. No. 901,306; Oct. 13; Sp. p. 2551; Dr. p. 525; Gaz. vol. 136; p. 1501.
- Thomas, P. H., East Orange, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Mercury-vapor apparatus. No. 889,067; May 26; Sp. p. 5512; Dr. p. 1172; Gaz. vol. 134; p. 985.
- Thomas, R. C., New York, N. Y. Garment-hanger. No. 902,346; Oct. 27; Sp. p. 4778; Dr. p. 964; Gaz. vol. 136; p. 1909.
- Thomas, R. L., San Marcos, Tex. Pipe-cutter. No. 882,432; Mar. 17; Sp. p. 3851; Dr. p. 823; Gaz. vol. 133; p. 697.
- Thomas Robinson & Son. (See Robinson and Backhouse, assignors.)
- Thomas, S. C., Bean Lake Station, Mo. Seed-planter. No. 892,967; July 7; Sp. p. 1155; Dr. p. 243; Gaz. vol. 135; p. 194.
- Thomas, W., Vancouver, British Columbia, Canada. Gas-pressure gage. No. 886,552; May 5; Sp. p. 414; Dr. p. 88; Gaz. vol. 134; p. 76.
- Thomas, W., Vancouver, British Columbia, Canada. Gas-generator. No. 895,910; Aug. 11; Sp. p. 2260; Dr. pp. 482-3; Gaz. vol. 135; p. 1290.
- Thomas, W. D., New York, N. Y. Eyeglass-frame. No. 875,966; Jan. 7; Sp. p. 544; Dr. p. 116; Gaz. vol. 132; p. 95.
- Thomas, W. E., San Diego, Cal. Combination underground reinforced concrete vault and grave appliance. No. 905,954; Dec. 8; Sp. p. 1652; Gaz. vol. 137; p. 1285.
- Thomas, W. H., Whittier, Cal. Door-lock. No. 880,052; Feb. 25; Sp. p. 4478; Dr. p. 941; Gaz. vol. 132; p. 1661.
- Thomas, W. H., New York, N. Y. Printing-machine. No. 881,167; Mar. 10; Sp. p. 1342; Dr. pp. 289-90; Gaz. vol. 133; p. 268.
- Thomas, W. J., Grand Rapids, Mich., assignor of one-half to A. S. Thomas, Buffalo, N. Y. Basket. No. 881,500; Mar. 10; Sp. p. 2008; Dr. p. 498; Gaz. vol. 133; p. 365.
- Thomas, W. M., Santa Cruz, Cal. Automatic adjustable arch construction. No. 886,666; May 5; Sp. p. 647; Dr. pp. 134-5; Gaz. vol. 134; p. 112.
- Thomas, W. O., Riverside, Ill. Governor. No. 900,045; Sept. 29; Sp. p. 5616; Dr. p. 1198; Gaz. vol. 136; p. 1035.
- Thomas, W. S. (See Cochran, C. M., assignor.)
- Thomas, W. S., Grand Rapids, Mich. Canning-factory device. No. 907,917; Dec. 29; Sp. p. 5541; Gaz. vol. 137; p. 2014.
- Thomason, J. A., Atlanta, Ga. Railway bumping-post. No. 896,599; Aug. 18; Sp. p. 3618; Dr. p. 776-7; Gaz. vol. 135; p. 1536.
- Thomassen, H., Dayton, Ohio. Eye-magnet. No. 889,346; June 2; Sp. p. 298; Dr. p. 70; Gaz. vol. 134; p. 1107.
- Thome, M., Chicago, Ill. Hair-drier. No. 897,675; Sept. 1; Sp. p. 878; Dr. p. 188; Gaz. vol. 136; p. 140.
- Thomi, J., Burns, Kans. Axle-lubricator. No. 885,403; Apr. 21; Sp. p. 3584; Dr. p. 750; Gaz. vol. 133; p. 1819.
- Thompson, A. B. (See Bragunier and Thompson.)
- Thompson, A. J., North Wilmington, Mass. Music-turner. No. 885,546; Apr. 21; Sp. p. 3864; Dr. pp. 808-9; Gaz. vol. 133; p. 1861.
- Thompson, A. O., assignor of one-half to W. C. Huff, Wolverton, Minn. Trap. No. 901,851; Oct. 20; Sp. p. 3730; Dr. p. 759; Gaz. vol. 136; p. 1717.
- Thompson, A. P. (See Ellis, J. W., assignor.)
- Thompson, A. T. (See Hawkins, C. E., assignor.)
- Thompson, B. D., assignor of one-half to C. G. Gustafson, Mount Jewett, Pa. Detachable stopper-holder for bottles. No. 883,590; Mar. 31; Sp. p. 6207; Dr. p. 1232; Gaz. vol. 133; p. 1136.
- Thompson, B. F., Malone, N. Y. Combined sash fastener and lift. No. 880,600; Mar. 3; Sp. p. 230; Dr. p. 48; Gaz. vol. 133; p. 40.
- Thompson, B. P., administratrix. (See Thompson, W. O.)
- Thompson, C. B., Buffalo, N. Y., assignor to American Radiator Company. Steam-trap and air-vent for radiators. No. 882,595; Mar. 24; Sp. p. 4181; Dr. p. 887; Gaz. vol. 133; p. 783.
- Thompson, C. F., Safford, Ariz. Ter. Currycomb. No. 883,921; Apr. 7; Sp. p. 506; Dr. pp. 100-1; Gaz. vol. 133; p. 1273.
- Thompson, C. I., Bensonhurst, N. Y. Mirror attachment for chairs. No. 878,255; Feb. 4; Sp. p. 744; Dr. p. 150; Gaz. vol. 132; p. 968.
- Thompson, C. L. (See Peterson, N., assignor.)
- Thompson, C. R., Minneapolis, Minn. Filtering apparatus. No. 889,988; June 9; Sp. p. 1584; Dr. p. 355; Gaz. vol. 134; p. 1340.
- Thompson, C. T., Philadelphia, Pa., and F. P. Mitchell, Laurel Springs, N. J. Tennis-racket. No. 881,266; Mar. 10; Sp. p. 1544; Dr. p. 332; Gaz. vol. 133; p. 291.
- Thompson, E. D. (See Dalton and Thompson.)
- Thompson, E. E., Kaufman, Tex. Stove-flue. No. 879,987; Feb. 25; Sp. p. 4337; Dr. p. 909; Gaz. vol. 132; p. 1640.
- Thompson, E. J., Ottawa, Ontario, assignor of one-half to B. H. Sills and R. S. Smart, Ottawa, Canada. Carbureter. No. 904,659; Nov. 24; Sp. p. 4364; Gaz. vol. 137; p. 792.
- Thompson, E. L., Dover, N. J. Automatic sprinkler apparatus. No. 893,033; July 14; Sp. p. 1318; Dr. p. 277; Gaz. vol. 135; p. 245.
- Thompson, F., Brooklyn, N. Y. Pencil. No. 885,404; Apr. 21; Sp. p. 3585; Dr. p. 750; Gaz. vol. 133; p. 1819.
- Thompson, F., Brooklyn, N. Y. Pencil. No. 906,962; Dec. 15; Sp. p. 3562; Gaz. vol. 137; p. 1634.
- Thompson, F. H., assignor to Draper Company, Hopedale, Mass. Bobbin-driving means for rotatable spindles. No. 893,760; July 21; Sp. p. 2890; Dr. p. 593; Gaz. vol. 135; p. 513.
- Thompson, F. H., assignor to Draper Company, Hopedale, Mass. Brake mechanism for looms. No. 895,058; Aug. 4; Sp. p. 566; Dr. p. 116; Gaz. vol. 135; p. 938.
- Thompson, F. J., Los Angeles, Cal. Shade-edge-holding device. No. 878,690; Feb. 11; Sp. p. 1695; Dr. p. 350; Gaz. vol. 132; p. 1145.
- Thompson, F. L., Great Bend, N. D. Door for grain-cars. No. 888,433; May 19; Sp. p. 4215; Dr. p. 893; Gaz. vol. 134; p. 747.
- Thompson, F. M. (See Clark, J. H., assignor.)
- Thompson, G., New York, N. Y. Moth-ball holder. No. 900,449; Oct. 6; Sp. p. 812; Dr. p. 167; Gaz. vol. 136; p. 1198.
- Thompson, G., assignor of one-half to F. Schreidt, Mansfield, Ohio. Fluid-feeding-pressure mechanism. No. 897,676; Sept. 1; Sp. p. 879; Dr. p. 188; Gaz. vol. 136; p. 141.
- Thompson, G. A., assignor of one-half to W. P. James, Olio, Ark. Churn. No. 888,128; May 19; Sp. p. 3616; Dr. p. 758; Gaz. vol. 134; p. 647.
- Thompson, G. K., Newton Highlands, Mass., and F. R. McBerty, Evanston, Ill., assignors to Western Electric Company, Chicago, Ill. Connection-switch. No. 887,263; May 12; Sp. p. 1847; Dr. p. 390; Gaz. vol. 134; p. 331.
- Thompson, H., and H. I. Fowler, Spring Valley, Minn. Garment attachment. No. 886,894; May 5; Sp. p. 1121; Dr. p. 234; Gaz. vol. 134; p. 184.
- Thompson, H. A. (See Johnson and Thompson.)
- Thompson, H. A., Cambridge, Mass. Clamp. No. 901,925; Oct. 20; Sp. p. 3868; Dr. pp. 788-9; Gaz. vol. 136; p. 1742.

Alphabetical list of patentees—Continued.

- Thompson, H. L., Waterbury, Conn. Wire-drawing machine. No. 880,178; Feb. 25; Sp. p. 4721; Dr. p. 998; Gaz. vol. 132; p. 1702.
- Thompson, H. L., Waterbury, Conn. Annealing-furnace. No. 890,250; June 9; Sp. p. 2125; Dr. p. 466; Gaz. vol. 134; p. 1428.
- Thompson, H. L., Waterbury, Conn. Annealing-furnace. No. 890,251; June 9; Sp. p. 2127; Dr. p. 466; Gaz. vol. 134; p. 1428.
- Thompson, H. L., Waterbury, Conn. Annealing-furnace. No. 890,252; June 9; Sp. p. 2129; Dr. p. 467; Gaz. vol. 134; p. 1429.
- Thompson, H. L., Waterbury, Conn. Annealing-furnace. No. 890,314; June 9; Sp. p. 2279; Dr. pp. 502-3; Gaz. vol. 134; p. 1449.
- Thompson, H. S., Sheridanville, Pa. Cork-puller. No. 897,176; Aug. 25; Sp. p. 4837; Dr. p. 1029; Gaz. vol. 135; p. 1748.
- Thompson, H. W., Philadelphia, Pa. Bedstead. No. 897,677; Sept. 1; Sp. p. 882; Dr. pp. 188-9; Gaz. vol. 136; p. 141.
- Thompson, J., Garretson, S. D., assignor of one-half to G. F. Rose, Colorado Springs, Colo. Grain-car door. No. 897,678; Sept. 1; Sp. p. 883; Dr. p. 189; Gaz. vol. 136; p. 141.
- Thompson, J. A. (See Husson, A., assignor.)
- Thompson, J. E., Madrid, N. Y. Front sight for firearms. No. 882,182; Mar. 17; Sp. p. 3403; Dr. p. 723; Gaz. vol. 133; p. 616.
- Thompson, J. E., Chattanooga, Tenn. Piston. No. 888,273; May 19; Sp. p. 3882; Dr. p. 817; Gaz. vol. 134; p. 695.
- Thompson, J. G. (See Ladd, B. B., assignor.)
- Thompson, J. H., Trenton, N. J. Telephone apparatus. No. 896,173; Aug. 18; Sp. p. 2759; Dr. p. 594; Gaz. vol. 135; p. 1395.
- Thompson, J. I., Centerville, Iowa. Gas-engine valve. No. 880,601; Mar. 3; Sp. p. 231; Dr. p. 48; Gaz. vol. 133; p. 40.
- Thompson, J. J., Springfield, Okla. Farm-gate. No. 883,762; Apr. 7; Sp. p. 166; Dr. p. 29; Gaz. vol. 133; p. 1220.
- Thompson, J. L., Wellington, New Zealand. Means for securing blinds to spring-rollers. No. 894,408; July 28; Sp. p. 4258; Dr. p. 878; Gaz. vol. 135; p. 747.
- Thompson, J. M., assignor to Luther Brothers Company, North Milwaukee, Wis. Grinding and polishing machine. No. 898,528; Sept. 15; Sp. p. 2601; Dr. p. 555; Gaz. vol. 136; p. 479.
- Thompson, J. M., assignor to Luther Bros. Co., Milwaukee, Wis. Toy vehicle. No. 905,955; Dec. 8; Sp. p. 1653; Gaz. vol. 137; p. 1285.
- Thompson, J. R. (See Greer and Thompson.)
- Thompson, J. S., Chicago, Ill. Type casting and distributing machine. No. 903,917; Nov. 17; Sp. p. 2809; Gaz. vol. 137; p. 516.
- Thompson, J. S., Chicago, Ill., assignor to E. H. Fallows, New York, N. Y. Brake-shoe. No. 907,918; Dec. 29; Sp. p. 5542; Gaz. vol. 137; p. 2015.
- Thompson, J. W., assignor to Buckeye Engine Company, Salem, Ohio. Engine-indicator. No. 886,021; Apr. 28; Sp. p. 4864; Dr. pp. 1022-3; Gaz. vol. 133; p. 2048.
- Thompson, L. P. (See Phillips, E. C., assignor.)
- Thompson, L. W., Waynesburg, Pa. Ladder. No. 900,232; Oct. 6; Sp. p. 325; Dr. pp. 67-8; Gaz. vol. 136; p. 1126.
- Thompson, M. E., Port Allegany, Pa. Paper-clip. No. 876,667; Jan. 14; Sp. p. 2026; Dr. p. 442; Gaz. vol. 132; p. 359.
- Thompson, M. H., Schenectady, N. Y. Emergency-cot. No. 879,988; Feb. 25; Sp. p. 4338; Dr. pp. 909-10; Gaz. vol. 132; p. 1640.
- Thompson, M. N., Enterprise, Ala. Safety-envelop. No. 880,936; Mar. 3; Sp. p. 910; Dr. p. 196; Gaz. vol. 133; p. 153.
- Thompson, M. S., assignor to Stork Company, Boston, Mass. Bib. No. 879,124; Feb. 11; Sp. p. 2541; Dr. p. 528; Gaz. vol. 132; p. 1282.
- Thompson & Norris Company. (See Fraser, D., assignor.)
- Thompson & Norris Company. (See Lewis, C. W., assignor.)
- Thompson, P. (See Schneller, A., assignor.)
- Thompson, R. M. (See Coats, A. W., assignor.)
- Thompson, R. P., Springfield, Ohio. Oscillating fan. No. 893,034; July 14; Sp. p. 1321; Dr. pp. 277-8; Gaz. vol. 135; p. 245.
- Thompson, R. S., Chicago, Ill. Internal-combustion engine. No. 878,578; Feb. 11; Sp. p. 1480; Dr. pp. 300-1; Gaz. vol. 132; p. 1109.
- Thompson, S. J., Bluefield, W. Va. Miner's lamp. No. 886,441; May 5; Sp. p. 196; Dr. p. 42; Gaz. vol. 134; p. 37.
- Thompson, T. C., Roberts, Ill. Conveyor. No. 877,141; Jan. 21; Sp. p. 3002; Dr. pp. 648-9; Gaz. vol. 132; p. 555.
- Thompson, T. C., Haley, Tenn. Rein-support. No. 888,552; May 26; Sp. p. 4457; Dr. p. 944; Gaz. vol. 134; p. 817.
- Thompson, T. H., Winfield, Tex. Desk. No. 881,501; Mar. 10; Sp. p. 2009; Dr. p. 438; Gaz. vol. 133; p. 365.
- Thompson, T. J., Vang, N. D. Combined shovel and brush. No. 877,614; Jan. 28; Sp. p. 3972; Dr. p. 858; Gaz. vol. 132; p. 731.
- Thompson, T. J., Lakeside, Nebr. Gate-fastener. No. 889,492; June 2; Sp. p. 614; Dr. p. 143; Gaz. vol. 134; p. 1154.
- Thompson, T. T., Bogota, Tex. Vehicle-spindle. No. 894,242; July 28; Sp. p. 3901; Dr. p. 806; Gaz. vol. 135; p. 691.
- Thompson, U., Jr. (See Taft and Thompson.)
- Thompson, W., Brockton, Mass. Welt-guide for welt-sewing machines. No. 894,989; Aug. 4; Sp. p. 432; Dr. p. 89; Gaz. vol. 135; p. 964.
- Thompson, W., Brockton, Mass. Welt-guide for welt-sewing machines. No. 894,990; Aug. 4; Sp. p. 434; Dr. p. 89; Gaz. vol. 135; p. 964.
- Thompson, W., Brockton, Mass. Shoe-shank support and shoe. No. 897,032; Aug. 25; Sp. p. 4565; Dr. p. 974; Gaz. vol. 135; p. 1702.
- Thompson, W., New York, N. Y. Album. No. 897,679; Sept. 1; Sp. p. 885; Dr. p. 189; Gaz. vol. 136; p. 142.
- Thompson, W. H., Wilkingsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer-regulator. No. 889,989; June 9; Sp. p. 1585; Dr. p. 355; Gaz. vol. 134; p. 1340.
- Thompson, W. J., Burlington, N. C. Clothes-hanger. No. 906,963; Dec. 15; Sp. p. 3563; Gaz. vol. 137; p. 1635.
- Thompson, W. N., Tucson, Ariz. Ter. Railway-signal. No. 877,385; Jan. 21; Sp. p. 3486; Dr. p. 756; Gaz. vol. 132; p. 635.
- Thompson, W. O., deceased; B. P. Thompson, administratrix, assignor to National Specialty Manufacturing Company, Philadelphia, Pa. Sausage-stuffer. No. 891,749; June 23; Sp. p. 5209; Dr. p. 1127; Gaz. vol. 134; p. 1983.
- Thompson, W. P., Liverpool, England. Marine propulsion. No. 904,285; Nov. 17; Sp. p. 3599; Gaz. vol. 137; p. 642.
- Thompson, W. P., Liverpool, England. Marine propulsion. No. 904,464; Nov. 17; Sp. p. 3953; Gaz. vol. 137; p. 700.
- Thompson, W. P., Liverpool, England. Marine propulsion. No. 904,465; Nov. 17; Sp. p. 3954; Gaz. vol. 137; p. 701.
- Thompson, W. W. (See Casey and Thompson.)
- Thoms, R., Schleswig, Germany. Door-lifter. No. 882,029; Mar. 17; Sp. p. 3111; Dr. p. 661; Gaz. vol. 133; p. 566.
- Thoms, W. A., Batavia, N. Y. Mechanical manipulator. No. 896,484; Aug. 18; Sp. p. 3399; Dr. p. 732; Gaz. vol. 135; p. 1499.
- Thomsen, H. A. (See Ardeno, L., assignor.)
- Thomson, A. G., San Francisco, Cal. Concave vehicle-tire. No. 885,888; Apr. 28; Sp. p. 4559; Dr. p. 956; Gaz. vol. 133; p. 2003.
- Thomson, A. J., Canton, Mass. Leather-stretching-string clamp. No. 890,764; Mar. 3; Sp. p. 557; Dr. p. 118; Gaz. vol. 133; p. 97.
- Thomson, A. J., Canton, Mass. Clamp. No. 908,356; Dec. 29; Sp. p. 6471; Gaz. vol. 137; p. 2164.
- Thomson, C. A., assignor to C. A. Thomson Machine Company, Belleville, N. J. Machine for dividing plastic material into charges. No. 888,412; May 19; Sp. p. 4165; Dr. pp. 882-3; Gaz. vol. 134; p. 739.
- Thomson, D. P., Schenectady, N. Y., assignor to General Electric Company. Cab signal system. No. 881,635; Mar. 10; Sp. p. 2283; Dr. p. 495; Gaz. vol. 133; p. 411.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Tongue-regulating mechanism. No. 877,473; Jan. 21; Sp. p. 3649; Dr. p. 791; Gaz. vol. 132; p. 663.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Mechanical movement. No. 881,502; Mar. 10; Sp. p. 2011; Dr. pp. 438-9; Gaz. vol. 133; p. 366.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Motive-power engine. No. 884,539; Apr. 14; Sp. p. 1762; Dr. pp. 379-80; Gaz. vol. 133; p. 1503.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Electric heater. No. 884,540; Apr. 14; Sp. p. 1767; Dr. p. 380; Gaz. vol. 133; p. 1504.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 890,819; June 16; Sp. p. 3314; Dr. p. 726; Gaz. vol. 134; p. 1647.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Vapor-generating apparatus. No. 892,097; June 30; Sp. p. 5897; Dr. p. 1270; Gaz. vol. 134; p. 2127.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Steam-generating apparatus. No. 892,196; June 30; Sp. p. 6109; Dr. pp. 1313-14; Gaz. vol. 134; p. 2162.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Condenser. No. 901,498; Oct. 20; Sp. p. 3013; Dr. p. 615; Gaz. vol. 136; p. 1603.
- Thomson, E., Swampscott, Mass., assignor to General Electric Company. Electric heater. No. 902,024; Oct. 27; Sp. p. 4106; Dr. p. 832; Gaz. vol. 136; p. 1505.
- Thomson, E. B., Miami, assignor of one-half to W. Mucklow, Jacksonville, Fla. Eye-shade. No. 890,820; June 16; Sp. p. 3316; Dr. p. 726; Gaz. vol. 134; p. 1647.
- Thomson, F. W., Fort William, Ontario, Canada. Machine for pulverizing ore. No. 896,954; Aug. 25; Sp. p. 4399; Dr. p. 941; Gaz. vol. 135; p. 1675.
- Thomson, G. S., Dunedin, New Zealand. Automatic collapsing and reërecting trolley pole. No. 895,314; Aug. 4. Sp. p. 1096; Dr. p. 230; Gaz. vol. 135; p. 1075.
- Thomson, H. C., assignor to Electric Goods Manufacturing Company, Boston, Mass. Combined telephone drop and jack. No. 877,968; Feb. 4; Sp. p. 146; Dr. p. 33; Gaz. vol. 132; p. 873.
- Thomson, H. C., assignor to Electric Goods Manufacturing Company, Boston, Mass. Intercommunicating telephone. No. 893,820; July 21; Sp. p. 3019; Dr. p. 617; Gaz. vol. 135; p. 533.
- Thomson, H. G., New York, N. Y. Artificial post. No. 876,247; Jan. 7; Sp. p. 1087; Dr. p. 237; Gaz. vol. 132; p. 184.
- Thomson, H. H., Lawrence, Kans. Combined ladder, step-ladder, and scaffolding. No. 901,565; Oct. 20; Sp. p. 3141; Dr. pp. 641-2; Gaz. vol. 136; p. 1625.

Alphabetical list of patentees—Continued.

- Thomson, J. M., San Francisco, Cal. Folding gaff-hook. No. 895,126; Aug. 4; Sp. p. 703; Dr. p. 147; Gaz. vol. 135; p. 1011.
- Thomson, O. K., and R. D. Cody, Chicago, Ill., assignors, by mesne assignments, to C. Brown, London, Canada, and A. D. Cody, Midland, Mich. Lighting device. No. 893,951; July 21; Sp. p. 3271; Dr. p. 673; Gaz. vol. 135; p. 574.
- Thomson, R. W. (See Wallace, J. M., assignor.)
- Thomson, W. B., Charleroi, Pa. Antisiphon-valve. No. 878,430; Feb. 4; Sp. p. 1073; Dr. p. 218; Gaz. vol. 132; p. 1025.
- Thomson, W. H., Buffalo, N. Y. Wire furniture. No. 887,150; May 12; Sp. p. 1604; Dr. p. 341; Gaz. vol. 134; p. 295.
- Thomson, W. H., Buffalo, N. Y. Wire furniture. No. 906,577; Dec. 15; Sp. p. 2834; Gaz. vol. 137; p. 1513.
- Thomson, W. I., Newark, N. J., assignor to Safety Car Heating & Lighting Company. Dynamo suspension. No. 881,743; Mar. 10; Sp. p. 2488; Dr. p. 536; Gaz. vol. 133; p. 443.
- Thomson, W. I., Newark, N. J., assignor to Safety Car Heating & Lighting Company. Car-axle driving-gear for dynamos. No. 881,744; Mar. 10; Sp. p. 2490; Dr. p. 536; Gaz. vol. 133; p. 444.
- Thordarson, C. H., Chicago, Ill. Polarized relay. No. 876,413; Jan. 14; Sp. p. 1455; Dr. p. 313; Gaz. vol. 132; p. 270.
- Thordarson, C. H., Chicago, Ill. High-potential transformer. No. 880,838; Mar. 3; Sp. p. 721; Dr. pp. 151-2; Gaz. vol. 133; p. 122.
- Thordarson, C. H., Chicago, Ill. Electrical laboratory apparatus. No. 898,529; Sept. 15; Sp. p. 2602; Dr. p. 555; Gaz. vol. 136; p. 479.
- Thordarson, C. H., Chicago, Ill. High-potential spark-coil. No. 899,634; Sept. 29; Sp. p. 4744; Dr. pp. 1015-16; Gaz. vol. 136; p. 901.
- Thordson, T., Oakland, Cal. Gold-filtering machine. No. 895,598; Aug. 11; Sp. p. 1648; Dr. p. 347; Gaz. vol. 135; p. 1191.
- Thordson, T., Oakland, Cal. Gold-filtering machine. No. 895,599; Aug. 11; Sp. p. 1649; Dr. p. 347; Gaz. vol. 135; p. 1191.
- Thoreson, S., *et al.* (See Thunborg, A. O., assignor.)
- Thorley, I. O., Philadelphia, Pa. Advertising device. No. 886,275; Apr. 28; Sp. p. 5331; Dr. p. 1122; Gaz. vol. 133; p. 2130.
- Thorn, H. P., New York, N. Y. Deck-traveler. No. 894,243; July 28; Sp. p. 3902; Dr. p. 806; Gaz. vol. 135; p. 691.
- Thorn, H. P., New York, N. Y. Life-preserver. No. 899,635; Sept. 29; Sp. p. 4747; Dr. p. 1016; Gaz. vol. 136; p. 901.
- Thorn, S. S., Lathrop, Mont. Perch for chicken-roosts. No. 906,578; Dec. 15; Sp. p. 2835; Gaz. vol. 137; p. 1513.
- Thornburg, M. C. (See Thornburg, R. M. and M. C.)
- Thornburg, R. M. and M. C., Muncie, Ind. Power-transmission device. No. 883,431; Mar. 31; Sp. p. 5896; Dr. pp. 1257-9; Gaz. vol. 133; p. 1088.
- Thornbike, A. L. (See Young, F., assignor.)
- Thorne, W. H., Mount Airy, assignor to William Sellers and Company, Incorporated, Philadelphia, Pa. Centrifugal pump. No. 878,256; Feb. 4; Sp. p. 745; Dr. p. 150; Gaz. vol. 132; p. 963.
- Thornier, W., Berlin, Germany. Device for focusing photographic cameras. No. 886,739; May 5; Sp. p. 827; Dr. pp. 170-1; Gaz. vol. 134; p. 137.
- Thornley, A. J., Pawtucket, assignor to Consolidated Car Fender Company, Providence, R. I. Pneumatic safety appliance of cars. No. 906,833; Dec. 15; Sp. p. 3313; Gaz. vol. 137; p. 1594.
- Thornton, A. Y., and A. L. Munroe, Johnston, R. I. Device for plugging sprinkler-heads. No. 884,430; Apr. 14; Sp. p. 1534; Dr. p. 329; Gaz. vol. 133; p. 1468.
- Thornton, C., *et al.* (See Campbell, L. E., assignor.)
- Thornton, J., Sr. (See Thornton, J., Jr., and J., Sr.)
- Thornton, J., and I. Wertheimer, New York, N. Y. Automatic safety-switch. No. 903,631; Nov. 10; Sp. p. 2206; Gaz. vol. 137; p. 390.
- Thornton, J., Jr., and J. R., Duquoin, Ill. Air-compressor. No. 892,093; June 30; Sp. p. 5900; Dr. p. 1270; Gaz. vol. 134; p. 2128.
- Thornton, J. E., Manchester, England. Cardboard box. No. 896,600; Aug. 18; Sp. p. 3620; Dr. p. 777; Gaz. vol. 135; p. 1536.
- Thornton, J. W. (See Byers, J. A., assignor.)
- Thornton, S. M., Billings, Mont. Beet-unloader. No. 901,852; Oct. 20; Sp. p. 3731; Dr. p. 759; Gaz. vol. 136; p. 1717.
- Thornton, W. C., Jefferson City, Mo. Mail-handling apparatus. No. 884,240; Apr. 7; Sp. p. 1178; Dr. pp. 248-9; Gaz. vol. 133; p. 1378.
- Thorman, W. E., Dayton, Ohio. Collapsible shipping-crate. No. 897,325; Sept. 1; Sp. p. 139; Dr. p. 29; Gaz. vol. 136; p. 22.
- Thorp, C. E., Cleveland, Ohio. Vehicle. No. 877,681; Jan. 28; Sp. p. 4096; Dr. pp. 886-7; Gaz. vol. 132; p. 753.
- Thorp, E. (See Renstrom, N. A., assignor.)
- Thorp, T. J., assignor to T. J. Thorp Manufacturing Company, Corvallis, Oreg. Mowing and raking machine. No. 898,155; Sept. 8; Sp. p. 1878; Dr. pp. 401-2; Gaz. vol. 136; p. 327.
- Thorp, T. J., assignor to T. J. Thorp Manufacturing Company, Corvallis, Oreg. Motor-vehicle. No. 898,156; Sept. 8; Sp. p. 1881; Dr. pp. 402-3; Gaz. vol. 136; p. 327.
- Thorpe, M. A., Darien, Wis. Tank-heater. No. 889,068; May 26; Sp. p. 5513; Dr. p. 1172; Gaz. vol. 134; p. 986.
- Thorrowgood, W. J. (See Jacobs and Thorrowgood.)
- Thorsby, A., assignor to Berlin Machine Works, Beloit, Wis. Knife-holder for cutter-heads. No. 879,501; Feb. 18; Sp. p. 3304; Dr. p. 691; Gaz. vol. 132; p. 1447.
- Thorschmidt, E. C., New York, N. Y. Metallic head for vessels. No. 892,775; July 7; Sp. p. 752; Dr. p. 159; Gaz. vol. 135; p. 130.
- Thorsell, J. E., *et al.* (See Lord, G. Y., assignor.)
- Thorsen, T. R., Chicago, Ill. Combination door stop and check. No. 903,243; Nov. 10; Sp. p. 1418; Gaz. vol. 137; p. 263.
- Thortvedt, L., Glyndon, Minn. Ditching-machine. No. 880,937; Mar. 3; Sp. p. 910; Dr. p. 196; Gaz. vol. 133; p. 154.
- Thos. H. Dallett Co. (See Van Sickle, W. H., assignor.)
- Thos. W. Houchin Co. (See Yates, C. A., assignor.)
- Thoss, R., and P. Röhrick, Altona, Germany. Mangle. No. 896,174; Aug. 18; Sp. p. 2761; Dr. p. 594; Gaz. vol. 135; p. 1396.
- Thowless, H. L. (See Thowless, O. M., assignor.)
- Thowless, O. M., Newark, N. J. Electrical incandescent lamp. No. 892,332; June 30; Sp. p. 6364; Dr. p. 1372; Gaz. vol. 134; p. 2207.
- Thowless, O. M., assignor to H. L. Thowless, Newark, N. J. Incandescent illuminant. No. 905,119; Nov. 24; Sp. p. 5318; Gaz. vol. 137; p. 947.
- Thrash, W. E., Kansas City, Mo., assignor to International Conservatory of Music, Dallas, Tex. Music-indicator. No. 877,259; Jan. 21; Sp. p. 3253; Dr. p. 704; Gaz. vol. 132; p. 596.
- Thrash, W. H., Columbus, Ohio. Composition of matter. No. 883,843; Apr. 7; Sp. p. 352; Gaz. vol. 133; p. 1247.
- Thrash, W. H., assignor of one-half to W. B. Goodwin, Columbus, Ohio. Brake-shoe shell. No. 886,553; May 5; Sp. p. 416; Dr. p. 89; Gaz. vol. 134; p. 76.
- Thrasher, B. C., Burbank, J. J. Thrasher, Lankershim, and W. S. Smallwood, Shorb, Cal. Wave-motor. No. 892,567; July 7; Sp. p. 328; Dr. p. 72; Gaz. vol. 135; p. 62.
- Thrasher Clock Company. (See Thrasher, S. P., assignor.)
- Thrasher, J. J. (See Thrasher and Smallwood.)
- Thrasher, S. P., Manchester, Conn. Ticket delivering and registering mechanism. No. 879,217; Feb. 18; Sp. p. 2720; Dr. p. 567; Gaz. vol. 132; p. 1355.
- Thrasher, S. P., assignor to Thrasher Clock Company, Manchester, Conn. Time-indicating device. No. 905,956; Dec. 8; Sp. p. 1655; Gaz. vol. 137; p. 1286.
- Thrasher, S. P., Hartford, assignor to Thrasher Clock Company, Manchester, Conn. Electrically-controlled secondary clock. No. 908,428; Dec. 29; Sp. p. 6624; Gaz. vol. 137; p. 2189.
- Threewits, A. M., Centerville, Ind. Railway-switch frog. No. 898,804; Sept. 15; Sp. p. 3123; Dr. p. 669; Gaz. vol. 136; p. 567.
- Thrift, H. A., *et al.* (See Henderson, W. W., assignor.)
- Thring, L. G. P. (See Hopkinson and Thring.)
- Thron, J. E., Philadelphia, Pa. Oilier. No. 897,561; Sept. 1; Sp. p. 661; Dr. p. 138; Gaz. vol. 136; p. 103.
- Thrower, A. J., Vian, Okla. Receptacle for holding fruits, vegetables, &c. No. 903,918; Nov. 17; Sp. p. 2819; Gaz. vol. 137; p. 516.
- Thull, F. J., Minneapolis, Minn. Grain-drier. No. 889,560; June 2; Sp. p. 738; Dr. p. 170; Gaz. vol. 134; p. 1176.
- Thullen, L. H., Edgewood Park, assignor to Union Switch & Signal Company, Swissvale, Pa. Relay for signal apparatus. No. 886,740; May 5; Sp. p. 830; Dr. pp. 171-2; Gaz. vol. 134; p. 138.
- Thullen, L. H., Edgewood, assignor to Union Switch & Signal Company, Swissvale, Pa. Signal system for railways. No. 889,561; June 2; Sp. p. 739; Dr. p. 171; Gaz. vol. 134; p. 1176.
- Thullen, L. H., Edgewood Park, assignor to Union Switch & Signal Company, Swissvale, Pa. Signal system for railways. No. 890,197; June 9; Sp. p. 2013; Dr. p. 443; Gaz. vol. 134; p. 1411.
- Thullen, L. H., Edgewood, assignor to Union Switch & Signal Company, Swissvale, Pa. Electric railway. No. 890,198; June 9; Sp. p. 2015; Dr. p. 444; Gaz. vol. 134; p. 1411.
- Thullen, L. H., Edgewood Park, assignor to Union Switch & Signal Company, Swissvale, Pa. Signaling system for railways. No. 891,303; June 23; Sp. p. 4287; Dr. p. 937; Gaz. vol. 134; p. 1836.
- Thum, O., Grand Rapids, Mich. Throttle-controller. No. 881,088; Mar. 3; Sp. p. 1189; Dr. p. 257; Gaz. vol. 133; p. 202.
- Thumler, R. K., assignor to Henry & S. G. Lindeman, New York, N. Y. Lock-slip for automatic pianos. No. 882,433; Mar. 17; Sp. p. 3855; Dr. p. 823; Gaz. vol. 133; p. 697.
- Thun, F., assignor to Textile Machine Works, Wyomissing, Pa. Cord-braiding machine. No. 898,938; Sept. 15; Sp. p. 3362; Dr. p. 722; Gaz. vol. 136; p. 612.
- Thun, F., assignor to Textile Machine Works, Wyomissing, Pa. Braiding-machine. No. 898,939; Sept. 15; Sp. p. 3364; Dr. pp. 722-3; Gaz. vol. 136; p. 612.
- Thunborg, A. O., Webster, assignor of one-third to A. P. Nelson and S. Thoreson, Grantsburg, Wis. Railway-tie. No. 898,287; Sept. 8; Sp. p. 2126; Dr. p. 452; Gaz. vol. 136; p. 368.

Alphabetical list of patentees—Continued.

- Thurber, E. L., New York, N. Y., assignor to Dunham Manufacturing Company. Box-making machine. No. 876,506; Jan. 14; Sp. p. 1659; Dr. pp. 360-1; Gaz. vol. 132; p. 303.
- Thurlow, E. W., Northcote, Victoria, Australia. Golf-ball. No. 880,342; Feb. 25; Sp. p. 5046; Dr. p. 1066; Gaz. vol. 132; p. 1756.
- Thurman, W., Plymouth, Wis. Feed-cutter. No. 890,385; June 9; Sp. p. 2409; Dr. p. 531; Gaz. vol. 134; p. 1471.
- Thurmond, E. (See Thurmond, G. W. and E.)
- Thurmond, G. W. and E., Woodlawn, S. C. Level-indicator for plows. No. 876,747; Jan. 14; Sp. p. 2168; Dr. p. 476; Gaz. vol. 132; p. 384.
- Thurston, F. A., Chicago, Ill. Sparking device for gas-engines and the like. No. 900,798; Oct. 13; Sp. p. 1546; Dr. p. 315; Gaz. vol. 136; p. 1338.
- Thurston, L. B. J., Stratford, Ontario, Canada. Ventilator for cars. No. 905,957; Dec. 8; Sp. p. 1659; Gaz. vol. 137; p. 1286.
- Thurston, M., Stryker, assignor to Ney Manufacturing Company, Canton, Ohio. Hay-carrier. No. 899,688; Sept. 29; Sp. p. 4836; Dr. p. 1036; Gaz. vol. 136; p. 917.
- Thurwanger, C., Boston, Mass. System of instruction in the pronunciation of foreign words in vocal music. No. 887,151; May 12; Sp. p. 1605; Dr. p. 341; Gaz. vol. 134; p. 295.
- Thurwanger, C., Boston, Mass. System of instruction in the pronunciation of foreign words in vocal music. (Reissue). No. 12,839; Aug. 4; Sp. p. 1267; Dr. p. 267; Gaz. vol. 135; p. 1106.
- Thwaite, B. H., London, England. Making a dustless road-surface. No. 881,035; Mar. 3; Sp. p. 1085; Dr. p. 236; Gaz. vol. 133; p. 186.
- Thwaite, B. H., Westminster, London, England. Apparatus for washing iron-blast-furnace gases. No. 896,175; Aug. 18; Sp. p. 2762; Dr. p. 595; Gaz. vol. 135; p. 1396.
- Thwaite, B. H., and W. Defries, London, England. Manufacture of molten metals. No. 895,513; Aug. 11; Sp. p. 1481; Dr. p. 312; Gaz. vol. 135; p. 1163.
- Thwing, A., Newton, Mass. Mail-bag-delivering apparatus. No. 898,157; Sept. 8; Sp. p. 1885; Dr. p. 404; Gaz. vol. 136; p. 328.
- Tibbals, F. A., Weymouth Center, assignor to W. E. Drake, Boston, Mass. Machine for covering eyeglass-cases. No. 906,579; Dec. 15; Sp. p. 2836; Gaz. vol. 137; p. 1513.
- Tibbils, G. (See Burgess, C., assignor.)
- Tibbs, A., assignor of one-half to J. R. Smith, Allegheny, Pa. Railway-crossing. No. 895,600; Aug. 11; Sp. p. 1650; Dr. p. 348; Gaz. vol. 135; p. 1191.
- Tice, F. B., Polo, Ill. Supplemental hopper for grinding-mills. No. 881,745; Mar. 10; Sp. p. 2493; Dr. p. 537; Gaz. vol. 133; p. 444.
- Tice, F. B., Polo, Ill. Track-support for carriers. No. 885,547; Apr. 21; Sp. p. 3867; Dr. p. 809; Gaz. vol. 133; p. 1862.
- Tichenor, E. D., assignor of one-half to H. C. Palmer, Richland Center, Wis. Clothes-pin. No. 907,652; Dec. 22; Sp. p. 4983; Gaz. vol. 137; p. 1897.
- Tickerhoof, J. H., Portage, Pa. Curtain-operating means for vehicle-tops. No. 879,218; Feb. 18; Sp. p. 2722; Dr. p. 568; Gaz. vol. 132; p. 1355.
- Tickner, L. C. (See Tickner, W. D. and L. C.)
- Tickner, W. D. and L. C., assignors to C. M. Crowell, Blanchardville, Wis. Automatic circuit-closer for electric-lamp holders. No. 900,613; Oct. 6; Sp. p. 1167; Dr. p. 238; Gaz. vol. 136; p. 1251.
- Tideman, H., Menominee, Mich. Electric generator for telephone-lines. No. 879,425; Feb. 18; Sp. p. 3152; Dr. p. 655; Gaz. vol. 132; p. 1423.
- Tideman, H., Menominee, Mich. Mechanism of the lazy-tong genus. No. 899,769; Sept. 29; Sp. p. 5015; Dr. p. 1075; Gaz. vol. 136; p. 945.
- Tideman, H., Menominee, Mich. Telephone hook-switch. No. 901,212; Oct. 13; Sp. p. 2355; Dr. p. 482; Gaz. vol. 136; p. 1471.
- Tideman, H., Menominee, Mich. Telephone hook-switch. No. 901,213; Oct. 13; Sp. p. 2356; Dr. p. 482; Gaz. vol. 136; p. 1471.
- Tideman, H., Menominee, Mich. Telephone hook-switch. No. 901,214; Oct. 13; Sp. p. 2357; Dr. p. 482; Gaz. vol. 136; p. 1471.
- Tideman, H., Menominee, Mich. Telephone-ringer. No. 901,215; Oct. 13; Sp. p. 2358; Dr. p. 483; Gaz. vol. 136; p. 1471.
- Tideman, H., Menominee, Mich. Telephone-ringer. No. 901,216; Oct. 13; Sp. p. 2359; Dr. p. 483; Gaz. vol. 136; p. 1472.
- Tideman, H., Menominee, Mich. Telephone-ringer. No. 901,269; Oct. 13; Sp. p. 2467; Dr. p. 506; Gaz. vol. 136; p. 1489.
- Tideman, H., Menominee, Mich. Telephone annunciator and jack. No. 904,903; Nov. 24; Sp. p. 4893; Gaz. vol. 137; p. 874.
- Tidland, W. H., Mankato, Minn. Clothes-drier. No. 906,964; Dec. 15; Sp. p. 3565; Gaz. vol. 137; p. 1635.
- Tidmarsh, H. E. (See Wolf and Tidmarsh.)
- Tidow, H., New York, N. Y. Cooking utensil. No. 902,181; Oct. 27; Sp. p. 4416; Dr. p. 895; Gaz. vol. 136; p. 1854.
- Tiedeman, C. H., La Fayette, Ind. Corner-post and brace for fences. No. 876,248; Jan. 7; Sp. p. 1088; Dr. p. 237; Gaz. vol. 132; p. 185.
- Tiedemann, C. W. W. von, Cortez, Nev. Watch-bow. No. 906,965; Dec. 15; Sp. p. 3566; Gaz. vol. 137; p. 1635.
- Tiefenbacher, T. B., New York, N. Y. Pneumatic tire. No. 877,260; Jan. 21; Sp. p. 3258; Dr. p. 705; Gaz. vol. 132; p. 597.
- Tiemann, F., Berlin, Germany. Filter. No. 899,194; Sept. 22; Sp. p. 3863; Dr. p. 825; Gaz. vol. 136; p. 723.
- Tiepolt, F., Cologne-Lindenthal, Germany. Ladder and step. No. 901,755; Oct. 20; Sp. p. 3555; Dr. p. 720; Gaz. vol. 136; p. 1688.
- Tietjen, E. A., New York, N. Y. Chafing-shield. No. 882,357; Mar. 17; Sp. p. 3737; Dr. p. 794; Gaz. vol. 133; p. 673.
- Tietz, C., assignor to Sharp & Smith, Chicago, Ill. Veterinary surgical float. No. 875,967; Jan. 7; Sp. p. 545; Dr. p. 116; Gaz. vol. 132; p. 96.
- Tietzmann, C., New York, N. Y. Machine for making paper cups. No. 891,642; June 23; Sp. p. 4998; Dr. pp. 1077-9; Gaz. vol. 134; p. 1948.
- Tighe, T., and C. S. Cross, New York, N. Y. Automatic street-indicator. No. 881,503; Mar. 10; Sp. p. 2014; Dr. p. 440; Gaz. vol. 133; p. 366.
- Tüch, A., Lewiston, Me. Shuttle-binder. No. 880,602; Mar. 3; Sp. p. 234; Dr. p. 48; Gaz. vol. 133; p. 41.
- Tilden, E. G., Downers Grove, assignor to W. H. Nielsen, Cook county, Ill. Furnace-regulator. No. 893,284; July 14; Sp. p. 1815; Dr. p. 381; Gaz. vol. 135; p. 327.
- Tilden, E. M. (See Lamb and Tilden.)
- Tileston, H. M., Chicago, Ill. Eye-guard. No. 890,821; June 16; Sp. p. 3317; Dr. p. 726; Gaz. vol. 134; p. 1647.
- Tiley, T. W., Bellingham, Wash. Logging apparatus. No. 905,022; Nov. 24; Sp. p. 5132; Gaz. vol. 137; p. 914.
- Tilghman, B. C., Jr., et al. (See Mathewson, J. E., assignor.)
- Tilghman, R., et al. (See Mathewson, J. E., assignor.)
- Till, G. W., Philadelphia, Pa. Implement for replacing bridle-tapes in piano-actions. No. 883,502; Mar. 31; Sp. p. 6040; Dr. p. 1289; Gaz. vol. 133; p. 1112.
- Tille, H. G., Dysart, Iowa. Combined stock and hay rack for wagons. No. 900,046; Sept. 29; Sp. p. 5619; Dr. p. 1199; Gaz. vol. 136; p. 1035.
- Tilley, D. (See Evans and Tilley.)
- Tilley, E. F., Ridgewood, N. J., assignor to F. A. Hall, New York, N. Y. Folding washstand. No. 907,423; Dec. 22; Sp. p. 4492; Gaz. vol. 137; p. 1823.
- Tillinghast, B. C., Philadelphia, Pa. Vending carton or package. No. 902,347; Oct. 27; Sp. p. 4779; Dr. p. 964; Gaz. vol. 136; p. 1909.
- Tillinghast, J., trustee. (See Loring, B. C., assignor.)
- Tillinghast, W. E., Worcester, Mass. Water-seal vacuum return-pipe fitting. No. 885,805; Apr. 28; Sp. p. 4404; Dr. p. 923; Gaz. vol. 133; p. 1974.
- Tillinghast, W. E., Worcester, Mass. Vacuum-generating apparatus for steam-heating systems. No. 900,233; Oct. 6; Sp. p. 326; Dr. p. 68; Gaz. vol. 136; p. 1126.
- Tillotson, H. T., Chicago, Ill. Vehicle spring structure and frame. No. 900,234; Oct. 6; Sp. p. 329; Dr. pp. 68-9; Gaz. vol. 136; p. 1127.
- Tillotson, J., Hebron, Nebr. Apparatus for cooling milk. No. 884,689; Apr. 14; Sp. p. 2098; Dr. p. 448; Gaz. vol. 133; p. 1553.
- Tillquist, H. T. (See Stern, J. N., assignor.)
- Tillson, W., Quincy, Ill., assignor, by mesne assignments, to West Disinfecting Company. Soap-powdering machine. No. 900,967; Oct. 13; Sp. p. 1915; Dr. p. 389; Gaz. vol. 136; p. 1393.
- Tilson, W., Glenalum, W. Va. Tongs for polishing buttons. No. 906,169; Dec. 8; Sp. p. 2075; Gaz. vol. 137; p. 1355.
- Tilson, W. H., Plainview, Tex. Cutting apparatus for corn-harvesters. No. 875,749; Jan. 7; Sp. p. 138; Dr. p. 39; Gaz. vol. 132; p. 27.
- Tilson, W. H., Plainview, Tex. Tying mechanism for harvesters. No. 890,105; June 9; Sp. p. 1815; Dr. p. 401; Gaz. vol. 134; p. 1380.
- Tilt, A., et al. (See Roeder, G. H., assignor.)
- Tilton, A. M., Brooklyn, N. Y. Chain wrench. No. 902,025; Oct. 27; Sp. p. 4108; Dr. p. 832; Gaz. vol. 136; p. 1805.
- Tilton, F. N., Hartford, Conn. Steam-generator. No. 895,514; Aug. 11; Sp. p. 1484; Dr. p. 313; Gaz. vol. 135; p. 1164.
- Tily, S. B., and M. O. and J. G. Rehfuess, Philadelphia, Pa., assignors to said Tily. Paper-holder. No. 886,092; Apr. 28; Sp. p. 4992; Dr. p. 1050; Gaz. vol. 133; p. 2069.
- Tilyou, G. C., New York, N. Y. Amusement apparatus. No. 903,632; Nov. 10; Sp. p. 2210; Gaz. vol. 137; p. 390.
- Timberlake, D. T., Baileyville, Kans. Traction-engine. No. 905,481; Dec. 1; Sp. p. 748; Gaz. vol. 137; p. 1104.
- Timberlake, D. T., Baileyville, Kans. Traction-wheel. No. 905,765; Dec. 1; Sp. p. 1293; Gaz. vol. 137; p. 1194.
- Timberlake, J. B., Jackson, Mich. Suspended plaque-holder. No. 887,744; May 12; Sp. p. 2846; Dr. p. 602; Gaz. vol. 134; p. 493.
- Timberlake, J. B., Jackson, Mich., assignor to J. B. Timberlake & Sons. Adjustable easel. No. 887,152; May 12; Sp. p. 1607; Dr. p. 341; Gaz. vol. 134; p. 295.
- Timberlake, P. J., Jackson, Mich., assignor to J. B. Timberlake & Sons. Shirt-drier. No. 877,226; Jan. 21; Sp. p. 3187; Dr. p. 691; Gaz. vol. 132; p. 588.

Alphabetical list of patentees—Continued.

- Timby, T. F., Alma, Mich. Animal-trap. No. 891,880; June 30; Sp. p. 5495; Dr. p. 1187; Gaz. vol. 134; p. 2059.
- Time Marking Machine Company. (See Madigan, P. J., assignor.)
- Time Marking Machine Company. (See Martindale, W. B., assignor.)
- Timms, J., Columbus, Ohio. Car-coupling. No. 906,170; Dec. 8; Sp. p. 2075; Gaz. vol. 137; p. 1355.
- Timms, J. and J. O., Columbus, Ohio. Car-coupling. No. 905,958; Dec. 8; Sp. p. 1660; Gaz. vol. 137; p. 1286.
- Timms, J. O. (See Timms, J. and J. O.)
- Timochovitch, S., Moscow, Russia. Ventilating system for rooms and the like. No. 882,219; Mar. 17; Sp. p. 3464; Dr. p. 737; Gaz. vol. 133; p. 626.
- Timochovitch, S., Moscow, Russia. Ventilating system for railway-carriages and the like. No. 900,614; Oct. 6; Sp. p. 1168; Dr. p. 238; Gaz. vol. 136; p. 1252.
- Timofeeff, P., St. Petersburg, Russia. Fireproof building-cement. No. 878,912; Feb. 11; Sp. p. 2127; Gaz. vol. 132; p. 1216.
- Timokhovitch, S., Moscow, Russia. Fan or ventilator. No. 884,876; Apr. 14; Sp. p. 2479; Dr. p. 522; Gaz. vol. 133; p. 1615.
- Timson, N. (See Marsh and Timson.)
- Tindall, A. W., Leeds, England. Machine for pressing coats. No. 883,362; Mar. 31; Sp. p. 5724; Dr. p. 1221; Gaz. vol. 133; p. 1054.
- Tindel, A., Philadelphia, Pa., assignor to High Duty Saw and Tool Company. Metal-sawing mechanism. No. 900,047; Sept. 29; Sp. p. 5622; Dr. pp. 1199-1200; Gaz. vol. 136; p. 1035.
- Tingdahl, W. J., Lowell, Mass. Furniture. No. 882,656; Mar. 24; Sp. p. 4303; Dr. p. 914; Gaz. vol. 133; p. 804.
- Tingley, E. M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 878,165; Feb. 4; Sp. p. 571; Dr. p. 116; Gaz. vol. 132; p. 938.
- Tingley, E. M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 895,515; Aug. 11; Sp. p. 1485; Dr. pp. 313-14; Gaz. vol. 135; p. 1164.
- Tingley, E. M., and J. L. Ray, Pittsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 888,940; May 26; Sp. p. 5292; Dr. p. 1123; Gaz. vol. 134; p. 945.
- Tingley, L. M., Pawtucket, assignor of two-thirds to S. Gee and C. A. Bennett, Providence, R. I. Indicator for vehicles. No. 904,101; Nov. 17; Sp. p. 3175; Gaz. vol. 137; p. 576.
- Tingley, S. L. (See Reid, J. H., assignor.)
- Tinker, E. E., Kent, Ohio. Flour-bolter brush. No. 887,545; May 12; Sp. p. 2478; Dr. p. 523; Gaz. vol. 134; p. 427.
- Tinlin, J. (See Williams and Tinlin.)
- Tinlin, J., Quincy, Mass. Internal-combustion engine. No. 896,485; Aug. 18; Sp. p. 3401; Dr. p. 732; Gaz. vol. 135; p. 1499.
- Tinsey, J. Q. A., Terry, Miss. Switch. No. 898,285; Sept. 8; Sp. p. 2124; Dr. pp. 451-2; Gaz. vol. 136; p. 367.
- Tinsley, L., Crawfordsville, Ind. Wall-bracket for electrical conductors. No. 895,911; Aug. 11; Sp. p. 2262; Dr. p. 483; Gaz. vol. 135; p. 1291.
- Tinsman, S. H., Fort Madison, Iowa. Planter. No. 893,886; July 21; Sp. p. 3144; Dr. pp. 645-6; Gaz. vol. 135; p. 553.
- Tinsman, S. H., Fort Madison, Iowa. Plow. No. 894,169; July 21; Sp. p. 3729; Dr. p. 724; Gaz. vol. 135; p. 647.
- Tippett, H. P., Columbus, Ohio. Mechanical stoker. No. 889,990; June 9; Sp. p. 1586; Dr. pp. 355-7; Gaz. vol. 134; p. 1341.
- Tippitt, W. P., Fayette, Mo. Animal-trap. No. 876,414; Jan. 14; Sp. p. 1459; Dr. p. 313; Gaz. vol. 132; p. 270.
- Tippitt, H. H. (See Johnson, W. H., assignor.)
- Tipton, S. A., Portales, N. Mex. Ter. Attachment for stovepipes. No. 904,377; Nov. 17; Sp. p. 3772; Gaz. vol. 137; p. 672.
- Tirk, E. E., Franklin, Pa. Wall-packer for oil-wells. No. 892,776; July 7; Sp. p. 753; Dr. p. 159; Gaz. vol. 135; p. 130.
- Tirrill, L. A., Lynn, Mass., assignor to General Electric Company. Friction-gear. No. 877,015; Jan. 21; Sp. p. 2746; Dr. p. 595; Gaz. vol. 132; p. 513.
- Tirrill, L. A., Lynn, Mass., assignor to General Electric Company. Electric motor. No. 877,016; Jan. 21; Sp. p. 2749; Dr. p. 595; Gaz. vol. 132; p. 514.
- Tirrill, L. A., Lynn, Mass., assignor to General Electric Company. System of control for electric motors. No. 884,541; Apr. 14; Sp. p. 1769; Dr. p. 380; Gaz. vol. 133; p. 1504.
- Tischler, J., assignor of one-half to H. E. Senft, Port Chester, N. Y. Lock for window-shutters. No. 906,752; Dec. 15; Sp. p. 3170; Gaz. vol. 137, p. 1568.
- Tisdale, C. D., deceased, Randolph, Mass.; F. L. Tisdale, administrator. Automatic train-stopper. No. 906,582; Dec. 15; Sp. p. 2841; Gaz. vol. 137; p. 1514.
- Tisdale, F. L., administrator. (See Tisdale, C. D.)
- Tisdale, J. L. (See Smith, F. H., assignor.)
- Tisdale, W. I., McNeill, Miss. Inkstand. No. 876,668; Jan. 14; Sp. p. 2028; Dr. p. 442; Gaz. vol. 132; p. 360.
- Tissot, L. F., New York, N. Y. Brace for fences. No. 906,171; Dec. 8; Sp. p. 2077; Gaz. vol. 137; p. 1356.
- Titan-Gesellschaft mit beschränkter Haftung. (See Kühne, K. A., assignor.)
- Titanium Alloy Manufacturing Company. (See Rossi, A. J., assignor.)
- Titanium Alloy Manufacturing Company. (See Rossi, A. J., assignor.) (Reissue.)
- Titchener, C. E., Binghamton, N. Y. Shaft end. No. 877,969; Feb. 4; Sp. p. 147; Dr. p. 33; Gaz. vol. 132; p. 873.
- Titchener, C. E., Binghamton, N. Y. Spring bow-rest. No. 893,399; July 14; Sp. p. 2022; Dr. p. 424; Gaz. vol. 135; p. 364.
- Titcomb, G. E., Philadelphia, Pa., assignor to Dodge Coal Storage Company, Naugatuck, Conn. Contact-post system for transmitting electric power. No. 886,093; Apr. 28; Sp. p. 4997; Dr. pp. 1050-1; Gaz. vol. 133; p. 2070.
- Titsworth, R., Fort Bliss, El Paso, Tex. Fence-post. No. 881,267; Mar. 10; Sp. p. 1545; Dr. p. 333; Gaz. vol. 133; p. 291.
- Tittle, R. D., Springfield, Ohio. Water-motor. No. 886,442; May 5; Sp. p. 197; Dr. p. 43; Gaz. vol. 134; p. 38.
- Tittmann, G., Foche, near Solingen, Germany. Safety-razor. No. 885,966; Apr. 28; Sp. p. 4746; Dr. p. 997; Gaz. vol. 133; p. 2031.
- Titus, C. E., Springfield, Mass. Pneumatic tire. No. 889,069; May 26; Sp. p. 5514; Dr. p. 1172; Gaz. vol. 134; p. 986.
- Titus, W., South Haven, assignor of one-sixth to C. C. Shawver, one-sixth to C. P. Hangen, Wellington, and one-third to C. H. Davis, South Haven, Kans. Plow-point. No. 878,026; Feb. 4; Sp. p. 278; Dr. p. 59; Gaz. vol. 132; p. 893.
- Tixier, A. (See Cambier, Tixier, and Adnet.)
- Tkatzschenko, P. T., Schenectady, N. Y. Air-ship. No. 877,529; Jan. 28; Sp. p. 3781; Dr. p. 819; Gaz. vol. 132; p. 704.
- Tobey, W. W., assignor of one-half to L. C. Beatty, Iola, Kans. Seal. No. 908,429; Dec. 29; Sp. p. 6626; Gaz. vol. 137; p. 2189.
- Tobias, J. C., Bucyrus, Ohio. Grain-elevator. No. 904,378; Nov. 17; Sp. p. 3773; Gaz. vol. 137; p. 672.
- Tobias, N., Kingston, Jamaica. Combination-padlock. No. 878,913; Feb. 11; Sp. p. 2128; Dr. p. 444; Gaz. vol. 132; p. 1217.
- Tobin, C. J., Stuart, Iowa. Draft-equalizer. No. 884,542; Apr. 14; Sp. p. 1772; Dr. p. 381; Gaz. vol. 133; p. 1504.
- Tobin, J. W. (See Goldman and Stephens, assignors.)
- Tobin, J. W., Minneapolis, Minn. Grain tank and elevator. No. 878,488; Feb. 4; Sp. p. 1213; Dr. pp. 250-1; Gaz. vol. 132; p. 1044.
- Tobin, T. C., Adams, Wis. Riding attachment for harrows. No. 876,748; Jan. 14; Sp. p. 2170; Dr. p. 476; Gaz. vol. 132; p. 384.
- Todd, F. (See Long and Todd.)
- Todd, H., Toronto, Ontario, Canada. Door and gate hanger. No. 902,348; Oct. 27; Sp. p. 4781; Dr. p. 965; Gaz. vol. 136; p. 1910.
- Todd Hardware & Supply Co. (See Cavis, A. R., assignor.)
- Todd, J. C., and J. A. Harrison, assignors of one-third to W. F. Howard, Jonesboro, Tex. Wire-stetcher. No. 906,583; Dec. 15; Sp. p. 2843; Gaz. vol. 137; p. 1515.
- Todd, M. J., assignor to Buffalo Pitts Company, Buffalo, N. Y. Running-gear for dump-wagons. No. 882,358; Mar. 17; Sp. p. 3738; Dr. p. 795; Gaz. vol. 133; p. 673.
- Todd, R. A., Massena, N. Y. Circular-saw jointer and side-filer. No. 890,727; June 16; Sp. p. 3125; Dr. p. 684; Gaz. vol. 134; p. 1615.
- Todd, W. C., Chance, Md. Oyster-dredging chock. No. 908,168; Dec. 29; Sp. p. 6063; Gaz. vol. 137; p. 2098.
- Todd, W. P. (See Roche, W. J., assignor.)
- Toennes, R., Boonville, Mo. Station-indicator. No. 883,591; Mar. 31; Sp. p. 6208; Dr. p. 1323; Gaz. vol. 133; p. 1137.
- Toennies, C. F., Jersey City, N. J. Detachable runner. No. 892,777; July 7; Sp. p. 754; Dr. p. 159; Gaz. vol. 135; p. 130.
- Toepfer, H., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dyeing. (Reissue.) No. 12,826; July 7; Sp. p. 1175; Gaz. vol. 135; p. 198.
- Toepfer, H., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Fixing colors. No. 900,130; Oct. 6; Sp. p. 128; Gaz. vol. 136; p. 1093.
- Toft, G., Camden, N. J., assignor of three-fourths to T. Marrin, Philadelphia, Pa. Automatic train-controller. No. 886,741; May 5; Sp. p. 832; Dr. p. 172; Gaz. vol. 134; p. 138.
- Tojetti, K. V., New York, N. Y. Corset. No. 904,574; Nov. 24; Sp. p. 4199; Gaz. vol. 137; p. 764.
- Tokheim, J. J., Cedar Rapids, Iowa. Liquid drawing and measuring apparatus. No. 903,244; Nov. 10; Sp. p. 1421; Gaz. vol. 137; p. 263.
- Tokheim, J. J., assignor to Tokheim Manufacturing Co., Cedar Rapids, Iowa. Self-measuring pump. No. 907,653; Dec. 22; Sp. p. 4985; Gaz. vol. 137; p. 1898.
- Tokheim Manufacturing Co. (See Tokheim, J. J., assignor.)
- Toland, J. T., Atwater, Minn. Attachment for sulks and gang-plows. No. 886,895; May 5; Sp. p. 1122; Dr. p. 235; Gaz. vol. 134; p. 184.
- Toledo Bearing Company. (See Black, C. F., assignor.)
- Toledo Cabinet Company. (See Hullhorst, W. G., assignor.)
- Toledo Computing Scale Company. (See Engelhardt, F. M., assignor.)

Alphabetical list of patentees—Continued.

- Toledo Computing Scale Company. (See Hapgood, C. H., assignor.)
 Toledo Computing Scale Company. (See Theobald, J. L., assignor.)
 Toledo Glass Company. (See Owens, M. J., assignor.)
 Toledo Glass Company. (See Schwenzfeler, C. W., assignor.)
 Toledo Machine & Tool Company. (See Hinde, H. J., assignor.)
 Toledo Machine and Tool Company. (See Lange, P. M. H., assignor.)
 Toledo Metal Wheel Company. (See Weber, J. J., assignor.)
 Toledo Wheelbarrow Company. (See Skinner, J. M., assignor.)
 Tolhurst Machine Works. (See Croasdale, E., assignor.)
 Toliver, G., Lucas, Kans. Crude oil burner. No. 902,776; Nov. 3; Sp. p. 468; Gaz. vol. 137; p. 82.
 Tolle, W. J., Reesville, Ohio. Sled. No. 883,258; Mar. 31; Sp. p. 5523; Dr. p. 1178; Gaz. vol. 133; p. 1031.
 Tolman, A. L., Orange, Mass. Combined tweezers and blackhead-remover. No. 896,338; Aug. 18; Sp. p. 3101; Dr. p. 666; Gaz. vol. 135; p. 1450.
 Tolman, A. L., assignor to Tolman Bros. Mfg. Co., Orange, Mass. Dermatological instrument. No. 906,085; Dec. 8; Sp. p. 1905; Gaz. vol. 137; p. 1326.
 Tolman Bros. Mfg. Co. (See Tolman, A. L., assignor.)
 Tolman, C. P., assignor, by mesne assignments, to Roteng Engineering Corporation, New York, N. Y. Air-compressor. No. 888,553; May 26; Sp. p. 4459; Dr. p. 945; Gaz. vol. 134; p. 817.
 Tolman, C. P., New York, N. Y., assignor, by mesne assignments, to Roteng Manufacturing Company. Combined motor and compressor. No. 901,499; Oct. 20; Sp. p. 3015; Dr. p. 616; Gaz. vol. 136; p. 1604.
 Tolman, J. P., and H. G. Pratt, Newton, assignors to Samson Cordage Works, Boston, Mass. Cord-making machine. No. 897,680; Sept. 1; Sp. p. 887; Dr. pp. 190-1; Gaz. vol. 136; p. 142.
 Tolmie, G., assignor of one-fourth to D. E. Gleason, Ogden, Utah. Dry ore-concentrator. No. 879,069; Feb. 11; Sp. p. 2406; Dr. pp. 503-4; Gaz. vol. 132; p. 1265.
 Tolson, J., Kankakee, Ill. Cleaning-machine. No. 885,107; Apr. 21; Sp. p. 2940; Dr. p. 623; Gaz. vol. 133; p. 1720.
 Tolson, R., Washington, D. C. Grain-storing apparatus. No. 894,085; July 21; Sp. p. 3562; Dr. p. 733; Gaz. vol. 135; p. 621.
 Tolton, D., Guelph, Ontario, Canada. Hanger for overhead tracks. No. 886,276; Apr. 28; Sp. p. 5333; Dr. p. 1122; Gaz. vol. 133; p. 2131.
 Tombleson, S. E., Kennington Park, England. Jug. No. 903,026; Nov. 3; Sp. p. 1001; Gaz. vol. 137; p. 164.
 Tombyll, T. H. (See Mitchell and Tombyll.)
 Tomer, J. L., Export, assignor of one-half to G. D. Hamor, New Kensington, Pa. Mowing-machine. (Reissue.) No. 12,752; Feb. 18; Sp. p. 4015; Dr. p. 842; Gaz. vol. 132; p. 1560.
 Tomkies, A. G., Westport, assignor of one-half to W. E. Reynolds, Greymouth, New Zealand. Belt-fastener. No. 900,615; Oct. 6; Sp. p. 1170; Dr. pp. 238-9; Gaz. vol. 136; p. 1252.
 Tomkins, A., Pittsburgh, Pa. Valve. No. 898,805; Sept. 15; Sp. p. 3126; Dr. pp. 669-70; Gaz. vol. 136; p. 568.
 Tomkins, F. A., Brooklyn, N. Y. Door-bolt. No. 886,742; May 5; Sp. p. 835; Dr. p. 172; Gaz. vol. 134; p. 139.
 Tomlinson, A., Cambridge, Iowa. Cake-mixer. No. 895,315; Aug. 4; Sp. p. 1097; Dr. p. 230; Gaz. vol. 135; p. 1075.
 Tomlinson, C. E. (See Brown and Tomlinson.)
 Tomlinson, C. E., assignor to A. T. Brown, Syracuse, N. Y. Type-writing machine. No. 895,912; Aug. 11; Sp. p. 2264; Dr. p. 484; Gaz. vol. 135; p. 1291.
 Tomlinson, C. H., Mansfield, Ohio, assignor to Tomlinson Coupler Company, Denver, Colo. Car-coupling. No. 886,554; May 5; Sp. p. 417; Dr. p. 89; Gaz. vol. 134; p. 76.
 Tomlinson Coupler Company. (See Tomlinson, C. H., assignor.)
 Tomlinson, E. M., Petersfield, England. Hand signaling-lantern. No. 878,431; Feb. 4; Sp. p. 1074; Dr. pp. 218-19; Gaz. vol. 132; p. 1025.
 Tomlinson, H., Hannibal, Mo. Photographer's background-carrier. No. 894,918; Aug. 4; Sp. p. 260; Dr. p. 56; Gaz. vol. 135; p. 940.
 Tomlinson, J. N., Vineland, N. J. Protector for third rail of railway systems. No. 889,559; June 2; Sp. p. 737; Dr. p. 170; Gaz. vol. 134; p. 1175.
 Tomlinson, W. H., Chicago, Ill. Apparatus for turning doughnuts and the like. No. 900,235; Oct. 6; Sp. p. 331; Dr. p. 69; Gaz. vol. 136; p. 1127.
 Tompkins, V. P., Hoboken, N. J. Fern-dish or display-receptacle. No. 901,661; Oct. 20; Sp. p. 3323; Dr. p. 682; Gaz. vol. 136; p. 1654.
 Tompkins, C. H., *et al.* (See Prindle, R. S., assignor.)
 Tompkins, E. M., Chicago, Ill. Electric-cable insulator. No. 893,285; July 14; Sp. p. 1818; Dr. p. 382; Gaz. vol. 135; p. 327.
 Tompkins, H., deceased, Fairfield, Ill.; O. P. Patterson administrator. Grader. No. 890,728; June 16; Sp. p. 3127; Dr. p. 685; Gaz. vol. 134; p. 1616.
 Tompkins, R. C., New York, N. Y. Necktie. No. 906,753; Dec. 15; Sp. p. 3171; Gaz. vol. 137; p. 1568.
 Tompkins, S. B., Rochester, N. Y. Shank cutting, molding, skiving, and forming machine. No. 897,033; Aug. 25; Sp. p. 4566; Dr. p. 974; Gaz. vol. 135; p. 1702.
 Tompkins, V. C., *et al.* (See Prindle, R. S., assignor.)
 Tompkins, W. A., Portland, Ore. Feeding-off mechanism. No. 886,277; Apr. 28; Sp. p. 5335; Dr. p. 1122; Gaz. vol. 133; p. 2131.
 Toms, A. C., Spokane Wash. Turbine. No. 894,409; July 28; Sp. p. 4258; Dr. p. 879; Gaz. vol. 135; p. 747.
 Toms, A. C., Spokane, Wash. Governor for turbines. No. 894,474; July 28; Sp. p. 4389; Dr. p. 900; Gaz. vol. 135; p. 769.
 Tone, F., Tokyo, Japan. Apparatus for manufacturing cigarettes with mouthpieces. No. 892,099; June 30; Sp. p. 5901; Dr. pp. 1271-4; Gaz. vol. 134; p. 2128.
 Tone, F. J. (See Price and Tone.)
 Tone, F. J., assignor to Carborundum Company, Niagara Falls, N. Y. Manufacture of abrasive material. No. 888,129; May 19; Sp. p. 3618; Dr. p. 758; Gaz. vol. 134; p. 647.
 Tone, F. J., assignor to Carborundum Company, Niagara Falls, N. Y. Smelting aluminum ores. No. 906,172; Dec. 8; Sp. p. 2078; Gaz. vol. 137; p. 1356.
 Tone, F. J., assignor to Carborundum Company, Niagara Falls, N. Y. Treating aluminum silicate. No. 906,173; Dec. 8; Sp. p. 2080; Gaz. vol. 137; p. 1356.
 Tone, F. J., assignor to Carborundum Company, Niagara Falls, N. Y. Producing silicon. No. 906,338; Dec. 8; Sp. p. 2400; Gaz. vol. 137; p. 1412.
 Tone, F. J., assignor to Carborundum Company, Niagara Falls, N. Y. Composition of matter containing alumina and silica. No. 906,339; Dec. 8; Sp. p. 2401; Gaz. vol. 137; p. 1412.
 Tone, F. J., assignor to Carborundum Company, Niagara Falls, N. Y. Producing silicon-carbid. No. 908,357; Dec. 29; Sp. p. 6472; Gaz. vol. 137; p. 2164.
 Toney, S., assignor of one-fourth to J. Devlin, Viroqua, Wis. Washing-machine. No. 895,059; Aug. 4; Sp. p. 567; Dr. p. 117; Gaz. vol. 135; p. 988.
 Toninetti, V., Milan, Italy. Filter. No. 902,349; Oct. 27; Sp. p. 4784; Dr. p. 965; Gaz. vol. 136; p. 1910.
 Tonlinson, T., Charleroi, Pa. Sled-brake. No. 892,695; July 7; Sp. p. 588; Dr. p. 127; Gaz. vol. 135; p. 103.
 Tonry, J. T., Zanesville, Ohio. Combined tie and rail-fastening. No. 892,568; July 7; Sp. p. 329; Dr. pp. 72-3; Gaz. vol. 135; p. 62.
 Toof, E. J. (See Ammerman, W. M., assignor.)
 Toof, E. J., deceased, New Haven, Conn.; A. E. Avery, administratrix. Sewing-machine. No. 896,069; Aug. 11; Sp. p. 2579; Dr. p. 558; Gaz. vol. 135; p. 1342.
 Toohay, F. W., Colorado Springs, Colo. Coaster-brake. No. 904,735; Nov. 24; Sp. p. 4525; Gaz. vol. 137; p. 848.
 Tooker, J. (See Jacobson and Tooker.)
 Toolen, J. J., The Hague, Netherlands. Safety-coffin. No. 898,021; Sept. 8; Sp. p. 1624; Dr. p. 346; Gaz. vol. 136; p. 285.
 Toomey, D. W. (See Legge, L. B., assignor.)
 Toomey, J. A., Chicago, Ill. Car-stake and attaching means therefor. No. 876,415; Jan. 14; Sp. p. 1460; Dr. pp. 313-14; Gaz. vol. 132; p. 271.
 Toomey, J. A., Chicago, Ill. Car-stake and attaching means therefor. No. 884,778; Apr. 14; Sp. p. 2289; Dr. pp. 481-2; Gaz. vol. 133; p. 1584.
 Toomey, J. A., Chicago, Ill. Attaching means for stakes. No. 886,896; May 5; Sp. p. 1123; Dr. p. 235; Gaz. vol. 134; p. 184.
 Tooth, A., Glenside, Pa. Collar support and closer. No. 880,839; Mar. 3; Sp. p. 725; Dr. p. 152; Gaz. vol. 133; p. 123.
 Toothaker, L. I., Portland, Me. Frying-pan. No. 892,467; July 7; Sp. p. 150; Dr. p. 32; Gaz. vol. 135; p. 30.
 Toothman, O. S., assignor of one-half to M. W. Ogden and C. B. Highland, Fairmont, W. Va. Match-box. No. 908,050; Dec. 29; Sp. p. 5817; Gaz. vol. 137; p. 2058.
 Tope, A. I., Seattle, Wash. Change-handler. No. 906,580; Dec. 15; Sp. p. 2838; Gaz. vol. 137; p. 1514.
 Topf and Soehne, J. A., Firm of. (See Wettig, H., assignor.)
 Toporczer, A., assignor of one-half to E. Van der Heyden, New York, N. Y. Instep-supporter. No. 881,974; Mar. 17; Sp. p. 2978; Dr. p. 634; Gaz. vol. 133; p. 548.
 Topp, M. J., New York, N. Y. Collar-support. No. 891,113; June 16; Sp. p. 3885; Dr. p. 850; Gaz. vol. 134; p. 1741.
 Topp, T. M., Richmond, Cal. Stamping and grinding mill. No. 877,615; Jan. 28; Sp. p. 3974; Dr. p. 858; Gaz. vol. 132; p. 731.

Alphabetical list of patentees—Continued.

- Topping, A. S., Grand Rapids, Mich. Railway-tie. No. 884,241; Apr. 7; Sp. p. 1180; Dr. p. 249; Gaz. vol. 133; p. 1378.
 Topping, E. W., and T. V. Plice, assignors to Safety Door Hanger Co., Ashland, Ohio. Lifting-jack. No. 877,386; Jan. 21; Sp. p. 3487; Dr. p. 757; Gaz. vol. 132; p. 635.
 Toquet, B. L., Westport, Conn. Apparatus for catching and delivering mail-bags and the like. No. 885,889; Apr. 28; Sp. p. 4560; Dr. p. 956; Gaz. vol. 133; p. 2003.
 Torda, L., Chiswick, England. Dynamo-electric machine with compensating windings. No. 877,017; Jan. 21; Sp. p. 2750; Dr. p. 595; Gaz. vol. 132; p. 514.
 Toreson, F. R., Glen Arbor, Mich. Boat-drafting device. No. 906,581; Dec. 15; Sp. p. 2839; Gaz. vol. 137; p. 1514.
 Torfoks, Gesellschaft mit beschränkter Haftpflicht, Firm of. (See Hoering, P., assignor.)
 Torhorst, A., Waukesha, Wis. Stanchion. No. 884,962; Apr. 14; Sp. p. 2644; Dr. p. 562; Gaz. vol. 133; p. 1640.
 Torjesen, H. (See Anderson and Torjesen.)
 Torka, F., San Francisco, Cal. Screw-punch. No. 905,766; Dec. 1; Sp. p. 1294; Gaz. vol. 137; p. 1194.
 Torkelson, R. T., assignor to M. E. Johnson, Fitchburg, Mass. Firearm. No. 903,919; Nov. 17; Sp. p. 2820; Gaz. vol. 137; p. 516.
 Tormin, E. M., Newton, Mass., assignor to Holtzer-Cabot Electric Company. Vibrator. No. 886,443; May 5; Sp. p. 200; Dr. p. 43; Gaz. vol. 134; p. 38.
 Tornkvist, G. A., Minneapolis, Minn. Bed-spring frame. No. 900,799; Oct. 13; Sp. p. 1548; Dr. p. 315; Gaz. vol. 136; p. 1338.
 Tornquist, J. E., assignor to C. T. Raschick, St. Paul, Minn. Stamping-clip. No. 888,367; May 19; Sp. p. 4063; Dr. p. 856; Gaz. vol. 134; p. 723.
 Toronto Type Foundry Company. (See Scharf, W. H., assignor.)
 Torrey, J. W., Louisville, Ky. Switch stand and lock. No. 900,131; Oct. 6; Sp. p. 128; Dr. p. 27; Gaz. vol. 136; p. 1093.
 Torrance, F. J., Allegheny, assignor to Standard Sanitary Mfg. Co., Pittsburg, Pa. Water-closet. No. 906,470; Dec. 8; Sp. p. 2627; Gaz. vol. 137; p. 1452.
 Torrance, H., Jr., New York, N. Y. Refrigerating system. No. 895,700; Aug. 11; Sp. p. 1842; Dr. p. 392; Gaz. vol. 135; p. 1223.
 Torrens, J. A., Coleraine, Ireland. Internal-combustion engine. No. 893,400; July 14; Sp. p. 2023; Dr. p. 424; Gaz. vol. 135; p. 364.
 Torrey, G. R., Washington, D. C. Means for increasing and promoting the combustion of fuel. No. 877,142; Jan. 21; Sp. p. 3004; Dr. p. 649; Gaz. vol. 132; p. 555.
 Torrey, J. R., Worcester, Mass. Razor-blade holder. No. 898,704; Sept. 15; Sp. p. 2944; Dr. p. 631; Gaz. vol. 136; p. 536.
 Torrey, J. R., Worcester, Mass. Razor-stropping device. No. 898,705; Sept. 15; Sp. p. 2945; Dr. p. 631; Gaz. vol. 136; p. 536.
 Torris Wold & Company. (See Lyche and Odquist, assignors.)
 Torris Wold & Company. (See Odquist, V., assignor.)
 Torris Wold & Company. (See Odquist and Lyche, assignors.)
 Tothill, H. H., Lockport, N. Y. Hitching-weight holder. No. 902,267; Oct. 27; Sp. p. 4590; Dr. p. 933; Gaz. vol. 136; p. 1882.
 Tothill, W. S., Chicago, Ill. Lawn-swing. No. 886,444; May 5; Sp. p. 201; Dr. p. 43; Gaz. vol. 134; p. 38.
 Totman, J. R., Colusa, Cal. Grass-burning machine. No. 896,774; Aug. 25; Sp. p. 3977; Dr. p. 856; Gaz. vol. 135; p. 1614.
 Totten, R. C., Pittsburg, Pa. Cast metal. No. 878,691; Feb. 11; Sp. p. 1696; Gaz. vol. 132; p. 1146.
 Totten, R. C., Pittsburg, Pa. Composition of metal. No. 881,036; Mar. 3; Sp. p. 1087; Gaz. vol. 133; p. 186.
 Totten, T. L., Brooklyn, N. Y. Carpet-sweeper. No. 878,432; Feb. 4; Sp. p. 1077; Dr. pp. 219-20; Gaz. vol. 132; p. 1026.
 Touceda, E. A., Albany, N. Y. Alloy for bearing metal. No. 897,431; Sept. 1; Sp. p. 395; Gaz. vol. 136; p. 61.
 Toupin, A., St. Agathe, Manitoba, Canada. Bracket for building construction. No. 898,286; Sept. 8; Sp. p. 2125; Dr. p. 452; Gaz. vol. 136; p. 367.
 Tourtel, J. M., and G. L. Hogan, London, England. Therapeutic vibratory apparatus. No. 890,822; June 16; Sp. p. 3319; Dr. pp. 726-7; Gaz. vol. 134; p. 1648.
 Tourtel, J. M., and W. R. Mealing, London, England. Device for automatically lighting and extinguishing gas-lights by varying the pressure in the mains. No. 903,633; Nov. 10; Sp. p. 2211; Gaz. vol. 137; p. 391.
 Tourtellotte, J. E., Hartford, Conn. Tire for vehicle-wheels. No. 883,763; Apr. 7; Sp. p. 167; Dr. p. 30; Gaz. vol. 133; p. 1220.
 Touya, J. B., Jr., Tarbes, France. Centrifugal disintegrator. No. 901,217; Oct. 13; Sp. p. 2360; Dr. p. 483; Gaz. vol. 136; p. 1472.
 Tov. Tentel'skago Khimichesk Zavoda. (See Eschellmann and Harmuth, assignors.) (Reissue.)
 Tovey, M. K., Anacostia, D. C. Device for making Marcel waves. No. 901,662; Oct. 20; Sp. p. 3325; Dr. p. 683; Gaz. vol. 136; p. 1655.
 Tovrea, E. A. (See Schmit, F., assignor.)
 Tower, A. E., *et al.* (See Rice, J. V., Jr., assignor.)
 Tower, C. B., New Rochelle, N. Y. Needle and thread case. No. 900,236; Oct. 6; Sp. p. 333; Dr. p. 69; Gaz. vol. 136; p. 1128.
 Tower, D. W., Grand Rapids, Mich. Latch. No. 900,800; Oct. 13; Sp. p. 1549; Dr. p. 315; Gaz. vol. 136; p. 1338.
 Tower, D. W., Grand Rapids, Mich. Adjustable lock-strike. No. 903,920; Nov. 17; Sp. p. 2821; Gaz. vol. 137; p. 516.
 Tower, I. N., Cheneyville, La. Combination-tool. No. 905,248; Dec. 1; Sp. p. 247; Gaz. vol. 137; p. 1026.
 Tower, J. W., Crooked Lake, Mich. Machine for connecting wire ends. No. 877,808; Jan. 28; Sp. p. 4309; Dr. p. 935; Gaz. vol. 132; p. 792.
 Tower & Lyon Company. (See Tack, O., assignor.)
 Towers, A., Toronto, Ontario, Canada. Vending-machine. No. 906,666; Dec. 15; Sp. p. 2990; Gaz. vol. 137; p. 1540.
 Towers, C. H., Pittsburg, Pa. Fan attachment for chairs. No. 905,482; Dec. 1; Sp. p. 752; Gaz. vol. 137; p. 1104.
 Towers, C. H., Baltimore, Md., assignor, by mesne assignments, to Singer Manufacturing Company. Sewing-machine throat-plate. No. 899,574; Sept. 29; Sp. p. 4609; Dr. p. 990; Gaz. vol. 136; p. 882.
 Towl, E. B. (See Glas, F., assignor.)
 Towle, A. F., Colorado Springs, Colo. Engine. No. 889,991; June 9; Sp. p. 1592; Dr. p. 357; Gaz. vol. 134; p. 1341.
 Towle, A. F., assignor of one-twentieth to O. K. Johnson, Colorado Springs, Colo. Explosive-engine. No. 905,389; Dec. 1; Sp. p. 516; Gaz. vol. 137; p. 1072.
 Towle, C. R., assignor to Haverhill Channeling Machine Company, Haverhill, Mass. Shoe-form. No. 895,816; Aug. 11; Sp. p. 2091; Dr. p. 443; Gaz. vol. 135; p. 1260.
 Towne, H. R., New York, N. Y., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Lock-case. No. 879,694; Feb. 18; Sp. p. 3718; Dr. p. 780; Gaz. vol. 132; p. 1511.
 Towne, H. R., New York, N. Y., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Lock-case. No. 879,695; Feb. 18; Sp. p. 3719; Dr. p. 780; Gaz. vol. 132; p. 1511.
 Towne, H. R., New York, N. Y., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Lock. No. 889,734; June 2; Sp. p. 1066; Dr. p. 246; Gaz. vol. 134; p. 1231.
 Towne, J. M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Hose-coupling. No. 881,746; Mar. 10; Sp. p. 2494; Dr. p. 537; Gaz. vol. 133; p. 444.
 Towns, W., Liverpool, England. Purifier for gases. No. 879,219; Feb. 18; Sp. p. 2723; Dr. p. 568; Gaz. vol. 132; p. 1355.
 Townsend, C. P., Washington, D. C., assignor, by mesne assignments, to American Can Company. Producing stannic chlorid. No. 877,261; Jan. 21; Sp. p. 3259; Dr. p. 705; Gaz. vol. 132; p. 597.
 Townsend, C. P., Washington, D. C., assignor to Chemical Reduction Company, New York, N. Y. Purifying stannic chlorid. No. 877,262; Jan. 21; Sp. p. 3261; Dr. p. 705; Gaz. vol. 132; p. 597.
 Townsend, C. P., Washington, D. C., assignor to Chemical Reduction Company, New York, N. Y. Apparatus for producing stannic chlorid. No. 877,263; Jan. 21; Sp. p. 3263; Dr. p. 706; Gaz. vol. 132; p. 597.
 Townsend, F. S., assignor to Meek Company, Coshocton, Ohio. Sign. No. 879,426; Feb. 18; Sp. p. 3155; Dr. p. 656; Gaz. vol. 132; p. 1424.
 Townsend, H. C., Anderson, S. C. Humidifier. No. 892,778; July 7; Sp. p. 755; Dr. p. 160; Gaz. vol. 135; p. 130.
 Townsend, J. F. (See Ingoldsby and Townsend.)
 Townsend, J. F., Pittsburg, Pa. Car-stake. No. 900,899; Oct. 13; Sp. p. 1762; Dr. p. 358; Gaz. vol. 136; p. 1371.
 Townsend, L., Evansville, Ind. Artificial-stone fence. No. 881,747; Mar. 10; Sp. p. 2495; Dr. p. 537; Gaz. vol. 133; p. 444.
 Townsend, L., Evansville, Ind. Wheeled toy. No. 906,471; Dec. 8; Sp. p. 2628; Gaz. vol. 137; p. 1453.
 Townsend, L., Evansville, Ind. Mold. No. 906,966; Dec. 15; Sp. p. 3567; Gaz. vol. 137; p. 1635.
 Townsend, L. A., Fort Dodge, Iowa. Auscultaphone. No. 899,815; Sept. 29; Sp. p. 5121; Dr. p. 1095; Gaz. vol. 136; p. 961.
 Townsend, M., Riverside, Cal. Ventilator. No. 903,340; Nov. 10; Sp. p. 1612; Gaz. vol. 137; p. 295.
 Townsend, N., Lodi, Cal. Combination-tool. No. 905,249; Dec. 1; Sp. p. 248; Gaz. vol. 137; p. 1026.
 Townsend, W. P., *et al.*, administrators. (See Logan, L. L.)
 Toy, H. T., Sidney, Ohio. Street-scraper. No. 887,874; May 19; Sp. p. 3141; Dr. p. 660; Gaz. vol. 134; p. 566.
 Toy, J. G., Edenburg, Pa. Interlocking tie-plate. No. 891,750; June 23; Sp. p. 5211; Dr. p. 1127; Gaz. vol. 134; p. 1983.
 Toy, N., Weir, Kans. Automatic air-hose coupling. No. 900,132; Oct. 6; Sp. p. 129; Dr. p. 27; Gaz. vol. 136; p. 1093.
 Toy and Specialty Company. (See Calkins and Hammond, assignors.)
 Trabold, F. W., Johnstown, Pa. Chain wrench. No. 891,016; June 16; Sp. p. 3723; Dr. p. 813; Gaz. vol. 134; p. 1711.
 Tracey, J. F., assignor of one-half to T. Fitzgibbon, Cleveland, Ohio. Woodworking-shaper. No. 906,086; Dec. 8; Sp. p. 1906; Gaz. vol. 137; p. 1326.
 Tracy, C. F., Philadelphia, Pa. Sink, bath-tub, washstand, &c. No. 895,913; Aug. 11; Sp. p. 2269; Dr. p. 484; Gaz. vol. 135; p. 1292.
 Tracy, J. H., Philadelphia, Pa. Operation of storage batteries in connection with alternating-current systems. No. 877,018; Jan. 21; Sp. p. 2752; Dr. p. 596; Gaz. vol. 132; p. 514.

- Tracy, J. H., Philadelphia, Pa. System of electrical distribution. No. 902,777; Nov. 3; Sp. p. 469; Gaz. vol. 137; p. 82.
 Tracy, L. J., St. Louis, Mo. Steam-boiler. No. 884,431; Apr. 14; Sp. p. 1536; Dr. p. 329; Gaz. vol. 133; p. 1468.
 Tracy, S., Topeka, Kans. Shaft-supporter. No. 876,029; Jan. 7; Sp. p. 665; Dr. p. 143; Gaz. vol. 132; p. 115.
 Tracy, S. J., New York, N. Y. Curtain-fixture. No. 893,761; July 21; Sp. p. 2892; Dr. p. 594; Gaz. vol. 135; p. 513.
 Tracy, S. T. (See Moylan and Tracy.)
 Tracey, W. C., Denver, Colo. Apparatus for treating ores. No. 896,955; Aug. 25; Sp. p. 4400; Dr. p. 941; Gaz. vol. 135; p. 1676.
 Tracey, W. F., Warren, Mass. Tool-holder. No. 879,220; Feb. 18; Sp. p. 2725; Dr. p. 568; Gaz. vol. 132; p. 1356.
 Tracey, W. H. H., Troy, N. Y. Starching-machine. No. 879,926; Feb. 25; Sp. p. 4232; Dr. pp. 884-5; Gaz. vol. 132; p. 1621.
 Traeger, A. E., assignor to A. E. Traeger Specialty Manufacturing Company, Buffalo, N. Y. Toaster. No. 883,432; Mar. 31; Sp. p. 5901; Dr. p. 1259; Gaz. vol. 133; p. 1088.
 Trainham, Z. L., Richmond, Va. Mop-wringer. No. 896,423; Aug. 18; Sp. p. 3275; Dr. p. 702; Gaz. vol. 135; p. 1478.
 Trainor, D. W., Allegheny, and J. R. Smith, Smithfield, Pa. Railway-tie. No. 895,601; Aug. 11; Sp. p. 1652; Dr. p. 348; Gaz. vol. 135; p. 1191.
 Trankle, H. M., F. B. Woodard, and S. Peterson, Bloomer, Wis. Draft-coupling. No. 896,775; Aug. 25; Sp. p. 3979; Dr. p. 856; Gaz. vol. 135; p. 1615.
 Transon, G. G., Charenton, France. Vehicle-wheel. No. 895,127; Aug. 4; Sp. p. 704; Dr. p. 147; Gaz. vol. 135; p. 1011.
 Transom Draft Gear Company. (See Howard, Pfleger, and Westlake, assignors.)
 Transom Draft Gear Company. (See McIntosh, W., assignor.)
 Transom Draft Gear Company. (See Westlake, C. T., assignor.)
 Transue, O. F., Alliance, Ohio. Bearing for car-trucks. No. 890,729; June 16; Sp. p. 3128; Dr. p. 685; Gaz. vol. 134; p. 1616.
 Trant, J. H., New York, N. Y. Game-board. No. 895,128; Aug. 4; Sp. p. 706; Dr. p. 147; Gaz. vol. 135; p. 1011.
 Trask, A. S., Concord, N. H. Fire-alarm. No. 884,304; Apr. 7; Sp. p. 1280; Dr. p. 271; Gaz. vol. 133; p. 1397.
 Trask, A. S., Concord, N. H. Radiator-valve. No. 904,102; Nov. 17; Sp. p. 3177; Gaz. vol. 137; p. 577.
 Trask, W. C., New Orleans, La. Hame and trace connector. No. 887,875; May 19; Sp. p. 3143; Dr. p. 661; Gaz. vol. 134; p. 566.
 Traub, C. J., Cincinnati, Ohio. Joint-fastener. No. 892,333; June 30; Sp. p. 6366; Dr. p. 1373; Gaz. vol. 134; p. 2207.
 Traub, H. E., Pekin, Ill. Horse-collar pad. No. 906,667; Dec. 15; Sp. p. 2993; Gaz. vol. 137; p. 1540.
 Traudt, W. F., Passaic, N. J. Apparatus for mixing fluids. No. 896,956; Aug. 25; Sp. p. 4402; Dr. p. 941; Gaz. vol. 135; p. 1676.
 Traulsen, P., and F. Bundesen, Bergedorf, near Hamburg, Germany. Filter. No. 882,030; Mar. 17; Sp. p. 3112; Dr. p. 661; Gaz. vol. 133; p. 567.
 Traut, F. L. (See Traut, J. A. and F. L.)
 Traut & Hine Manufacturing Company. (See Humphrey, E. N., assignor.)
 Traut & Hine Manufacturing Company. (See Prentice, G. E., assignor.)
 Traut, J. A. and F. L., assignors to Stanley Rule & Level Company, New Britain, Conn. Plumb-level. No. 902,778; Nov. 3; Sp. p. 471; Gaz. vol. 137; p. 82.
 Trautman, C. V. (See Holmes and Trautman.)
 Trautman, C. V., and E. Holmes, Medora, Ind. Bale-tie. No. 906,584; Dec. 15; Sp. p. 2845; Gaz. vol. 137; p. 1515.
 Trautman, E. D., and G. Jacobs, Alliance, Ohio. Filing-cabinet. No. 896,486; Aug. 18; Sp. p. 3404; Dr. pp. 732-3; Gaz. vol. 135; p. 1500.
 Trautman, E. D., Alliance, and G. Jacobs, Canton, Ohio. Filing-cabinet. No. 908,169; Dec. 29; Sp. p. 6064; Gaz. vol. 137; p. 2098.
 Travelers Insurance Company. (See Pearson, R. H., assignor.)
 Traver, F. A., assignor of one-half to J. H. Zimmermann and J. E. Fitzgibbon, Milwaukee, Wis. Humidor. No. 892,916; July 7; Sp. p. 1066; Dr. p. 224; Gaz. vol. 135; p. 176.
 Travers, C. J., Chicago, Ill., assignor to Gilson Manufacturing Company, Port Washington, Wis. Tilting chair. (Reissue.) No. 12,900; Dec. 15; Sp. p. 3853; Gaz. vol. 137; p. 1685.
 Travers, J. A., Hoople, N. D. Envelope. No. 891,114; June 16; Sp. p. 3886; Dr. pp. 850-1; Gaz. vol. 134; p. 1741.
 Travers, J. T., *et al.* (See Pierce, F. A., assignor.)
 Travers, W. E., Oakland, assignor of one-fourth to C. A. Bowman, San Francisco, Cal. Acetylene-gas generator. No. 891,575; June 23; Sp. p. 4852; Dr. p. 1046; Gaz. vol. 134; p. 1924.
 Traverse City Chair Co. (See Grellick, C. L., assignor.)
 Travis, D. E. (See Heywood and Travis.)
 Travis, F. M. (See Hills, S. C., assignor.)
 Travis, L. E., Newark, N. J., assignor to Artell Company. Soap-holder. No. 890,199; June 9; Sp. p. 2017; Dr. p. 444; Gaz. vol. 134; p. 1412.
 Trawick, F., Hamer, S. C. Cotton-chopper. No. 904,379; Nov. 17; Sp. p. 3775; Gaz. vol. 137; p. 672.
 Traxel, G. H. (See Whaley, G. H., assignor.)
 Traxel, G. H., Maysville, Ky. Valve. No. 877,264; Jan. 21; Sp. p. 3265; Dr. p. 706; Gaz. vol. 132; p. 597.
 Traxel, G. H., Maysville, Ky. Hydrant. No. 888,941; May 26; Sp. p. 5294; Dr. p. 1123; Gaz. vol. 134; p. 946.
 Traxler, C. R., and E. E. Lineback, Winston Salem, N. C. Trolley-pole controller. No. 881,359; Mar. 10; Sp. p. 1729; Dr. p. 372; Gaz. vol. 133; p. 320.
 Traylor, J. A., Denver, Colo. Packing-ring for rotary pumps. No. 893,113; July 14; Sp. p. 1471; Dr. p. 310; Gaz. vol. 135; p. 270.
 Traynor, E. (See Ames, Burgess, and Traynor.)
 Traynor, E., and S. Burgess, Leytonstone, and J. Ames, Leyton, England. Mechanism for the manufacture of cylindrical blanks and records for phonographs, graphophones, and the like. No. 891,196; June 16; Sp. p. 4054; Dr. p. 883; Gaz. vol. 134; p. 1768.
 Treadwell, C. M., London, England. Appliance for practicing golf. No. 898,530; Sept. 15; Sp. p. 2604; Dr. p. 556; Gaz. vol. 136; p. 480.
 Treadwell, J. (See Layng, H. G., assignor.)
 Treadwell, M. H., New York, N. Y. Dumping-car. No. 882,129; Mar. 17; Sp. p. 3287; Dr. p. 701; Gaz. vol. 133; p. 599.
 Treadwell, M. H., New York, N. Y. Ladle. No. 890,941; June 16; Sp. p. 3564; Dr. p. 777; Gaz. vol. 134; p. 1686.
 Treadwell, M. H., New York, N. Y., and C. P. Astrom, Orange, N. J., assignors to M. H. Treadwell Company. Dumping-car. No. 892,385; June 30; Sp. p. 6463; Dr. p. 1394; Gaz. vol. 134; p. 2223.
 Treadwell, M. H., New York, N. Y., and C. P. Astrom, East Orange, N. J., assignors to M. H. Treadwell Company. Dumping-car. No. 902,779; Nov. 3; Sp. p. 473; Gaz. vol. 137; p. 83.
 Treadwell, M. H., New York, N. Y., and C. P. Astrom, East Orange, N. J., assignors to M. H. Treadwell Company. Dumping-car. No. 903,245; Nov. 10; Sp. p. 1424; Gaz. vol. 137; p. 263.
 Treadwell, M. H., New York, N. Y., and C. P. Astrom, East Orange, N. J., assignors to M. H. Treadwell Company. Dumping-car. No. 903,921; Nov. 17; Sp. p. 2823; Gaz. vol. 137; p. 517.
 Trease, C. E., Valley Springs, Ark. Harrow. No. 900,133; Oct. 6; Sp. p. 131; Dr. p. 27; Gaz. vol. 136; p. 1093.
 Treat, C. B., Buchanan, Mich. Coop. No. 886,278; Apr. 28; Sp. p. 5337; Dr. p. 1123; Gaz. vol. 133; p. 2132.
 Treat, D. G., assignor to Reading Hardware Company, Reading, Pa. Lawn-mower. No. 907,198; Dec. 22; Sp. p. 4032; Gaz. vol. 137; p. 1746.
 Treat, E. R., *et al.* (See Lightford, W. L., assignor.)
 Treat, R. B., Newark, assignor to Crocker-Wheeler Company, Ampere, N. J. Pole-shoe for dynamo-electric machines. No. 879,927; Feb. 25; Sp. p. 4235; Dr. p. 885; Gaz. vol. 132; p. 1622.
 Treat, R. B., Newark, assignor to Crocker-Wheeler Company, Ampere, N. J. Self-oiling bearing. No. 880,428; Feb. 25; Sp. p. 5237; Dr. p. 1102; Gaz. vol. 132; p. 1786.
 Treat, R. B., Newark, assignor to Crocker-Wheeler Company, Ampere, N. J. Coil-retainer for dynamo-electric machines. No. 880,429; Feb. 25; Sp. p. 5238; Dr. p. 1102; Gaz. vol. 132; p. 1786.
 Trebert, H. L. F., assignor to Brownell-Trebert Company, Rochester, N. Y. Explosive-engine. No. 884,053; Apr. 7; Sp. p. 777; Dr. p. 162; Gaz. vol. 133; p. 1317.
 Treblcock, B., Gladstone, assignor of one-half to J. W. Kelly, Harrison, N. J. Cylinder. No. 905,023; Nov. 24; Sp. p. 5134; Gaz. vol. 137; p. 914.
 Tredway, W. E., Nardin, Okla. Incubator. No. 881,504; Mar. 10; Sp. p. 2018; Dr. p. 440; Gaz. vol. 133; p. 367.
 Tredway, W. E., Blackwell, Okla. Attachment for incubators and brooders. No. 882,657; Mar. 24; Sp. p. 4305; Dr. p. 914; Gaz. vol. 133; p. 804.
 Trees, E. C., Denver, Colo. Collar and cuff button. No. 884,054; Apr. 7; Sp. p. 779; Dr. p. 162; Gaz. vol. 133; p. 1317.
 Treffer, H. H., Davenport, Iowa. Corset. No. 894,763; July 28; Sp. p. 4934; Dr. p. 1028; Gaz. vol. 135; p. 861.
 Trego, G. W., Princeton, Ind. Harness-saddle. No. 887,444; May 12; Sp. p. 2275; Dr. p. 477; Gaz. vol. 134; p. 393.
 Tregoning Electric Manufacturing Company. (See Tregoning, W. C., assignor.)
 Tregoning, J. (See Malcolm, T., assignor.)
 Tregoning, W. C., Cleveland, Ohio. Lamp-socket. No. 885,890; Apr. 28; Sp. p. 4562; Dr. p. 957; Gaz. vol. 133; p. 2003.
 Tregoning, W. C., assignor to Tregoning Electric Manufacturing Company, Cleveland, Ohio. Electric cut-out. No. 890,200; June 9; Sp. p. 2018; Dr. p. 444; Gaz. vol. 134; p. 1412.
 Treischman, F., Wadena, Minn. Folding box. No. 906,472; Dec. 8; Sp. p. 2629; Gaz. vol. 137; p. 1453.
 Treleven, E. V. (See Little, O. C., assignor.)
 Trenchard, M. F., Prattburg, N. Y. Rail-joint. No. 903,027; Nov. 3; Sp. p. 1003; Gaz. vol. 137; p. 164.
 Trench, F. (See Olshewski and Trench.)

Alphabetical list of patentees—Continued.

- Trent, C. E., Redfield, Iowa. Corn-husker. No. 877,143; Jan. 21; Sp. p. 3006; Dr. pp. 650-1; Gaz. vol. 132; p. 556.
- Trent, L. C., San Francisco, Cal. Air-compressor. No. 873,579; Feb. 11; Sp. p. 1484; Dr. p. 301; Gaz. vol. 132; p. 1109.
- Trent, L. C., East Auburn, Cal. Pressure-pump. No. 905,024; Nov. 24; Sp. p. 5134; Gaz. vol. 137; p. 915.
- Trent, L. C., East Auburn, Cal. Agitating and aerating apparatus. No. 905,025; Nov. 24; Sp. p. 5137; Gaz. vol. 137; p. 915.
- Trent, S. V., Salt Lake City, Utah. Centrifugal pump. No. 875,108; Apr. 21; Sp. p. 2943; Dr. p. 624; Gaz. vol. 133; p. 1720.
- Trent, S. V., Salt Lake City, Utah. Elevator. No. 900,237; Oct. 6; Sp. p. 335; Dr. pp. 69-70; Gaz. vol. 136; p. 1128.
- Trescott, C. B., San Francisco, Cal. assignor to S. Elmore, Astoria, Oreg. Device for curing edible matter. No. 889,828; June 2; Sp. p. 1239; Dr. p. 286; Gaz. vol. 134; p. 1261.
- Trescott, W. A., Fairport, N. Y. Separating-machine. No. 880,603; Mar. 3; Sp. p. 235; Dr. p. 49; Gaz. vol. 133; p. 41.
- Trescott, W. A., Fairport, N. Y. Separating-machine. No. 896,776; Aug. 25; Sp. p. 3980; Dr. p. 856; Gaz. vol. 135; p. 1615.
- Trethewey, W. G., Toronto, Ontario, Canada. Vestibule-hood for cars. No. 892,018; June 30; Sp. p. 5765; Dr. p. 1280; Gaz. vol. 134; p. 2103.
- Trevellian, F. H., Wellington, New Zealand. Cash-register. No. 884,627; Apr. 14; Sp. p. 1936; Dr. pp. 416-17; Gaz. vol. 133; p. 1531.
- Trevessick, W. J., Glen Campbell, Pa. Antifriction thrust-bearing for wheels. No. 904,575; Nov. 24; Sp. p. 4201; Gaz. vol. 137; p. 765.
- Trevino, A., Rio Grande, Tex. Lantern. No. 887,546; May 12; Sp. p. 2479; Dr. p. 523; Gaz. vol. 134; p. 427.
- Trevor, E. W. J., Westminster, London, England. Nutshell-breaking and kernel-extracting apparatus. No. 879,696; Feb. 18; Sp. p. 3720; Dr. p. 781; Gaz. vol. 132; p. 1511.
- Trevor, F. N., assignor to Trevor Manufacturing Company, Lockport, N. Y. Sawing-machine. No. 883,922; Apr. 7; Sp. p. 508; Dr. p. 101; Gaz. vol. 133; p. 1273.
- Trevor Manufacturing Company. (See Trevor, F. N., assignor.)
- Trevor Manufacturing Company. (See Trevor, W. W., assignor.)
- Trevor, W. W., assignor to Trevor Manufacturing Company, Lockport, N. Y. Machine for shaping oar-blades. No. 899,356; Sept. 22; Sp. p. 4172; Dr. pp. 893-4; Gaz. vol. 136; p. 774.
- Trehwella, C. E., New Britain, assignor to American Silver Company, Bristol, Conn. Percolator. No. 876,110; Jan. 7; Sp. p. 833; Dr. pp. 178-9; Gaz. vol. 132; p. 141.
- Tribbey, G. W. (See Nelson and Tribbey.)
- Trice, J. E., Clay Center, Kans. Flour-sifter. No. 875,868; Jan. 7; Sp. p. 354; Dr. p. 79; Gaz. vol. 132; p. 66.
- Trickey, E. D., Blanchester, Ohio. Securing device for trolleys. No. 878,836; Feb. 11; Sp. p. 1977; Dr. p. 410; Gaz. vol. 132; p. 1192.
- Triepel, W., Berlin, Germany. Producing pictures and photographic-printing plates. No. 901,218; Oct. 13; Sp. p. 2362; Gaz. vol. 136; p. 1472.
- Trigger, C. W., St. Thomas, Ontario, Canada. Combined hay and stock rack. No. 891,881; June 30; Sp. p. 5497; Dr. pp. 1187-8; Gaz. vol. 134; p. 2059.
- Trigger, T. C., St. Thomas, Ontario, Canada. Dental cavity-impression tray. No. 883,592; Mar. 31; Sp. p. 6209; Dr. p. 1324; Gaz. vol. 133; p. 1137.
- Triggs, C. H., Wilmington, Del. Smoke-consumer. No. 906,967; Dec. 15; Sp. p. 3568; Gaz. vol. 137; p. 1635.
- Triggs, G. J., Lake Park, Iowa. Hot-water-circulating system. No. 884,779; Apr. 14; Sp. p. 2293; Dr. p. 482; Gaz. vol. 133; p. 1584.
- Trike, A., Eimsbüttel, near Hamburg, Germany. Electric clock winding mechanism. No. 879,697; Feb. 18; Sp. p. 3722; Dr. p. 781; Gaz. vol. 132; p. 1511.
- Trimble, C. P., Bellevue, assignor to Fort Pitt Bedding Company, Allegheny, Pa. Bed-spring-supporting frame. No. 895,602; Aug. 11; Sp. p. 1654; Dr. p. 349; Gaz. vol. 135; p. 1192.
- Trinont Manufacturing Company. (See Childs, E., assignor.)
- Tripe, F., Jersey City, N. J. Store-service apparatus. No. 892,631; July 7; Sp. p. 466; Dr. p. 99; Gaz. vol. 135; p. 83.
- Triplett, J. R. (See Honika and Triplett.)
- Triplex Gas Engine Company. (See Anderson, L., assignor.)
- Tripp, B. F., Medford, Mass. Mechanism for forcing doors for safes, &c., to their seats. No. 880,179; Feb. 25; Sp. p. 4724; Dr. p. 999; Gaz. vol. 132; p. 1702.
- Tripp, C. A., Los Angeles, Cal. Fluid-pressure brake. No. 898,022; Sept. 8; Sp. p. 1628; Dr. p. 347; Gaz. vol. 136; p. 285.
- Tripp Fruit Wrapping Machine Co. (See Ballard, M. H., assignor.)
- Tripp, H. C., assignor, by mesne assignments, to Under-Feed Stoker Company of America, Chicago, Ill. Conveying mechanism. No. 876,608; Jan. 14; Sp. p. 1993; Dr. p. 415; Gaz. vol. 132; p. 339.
- Tripp, J. B. (See Cunningham, H. S., assignor.)
- Trippensee, F. J., assignor to Trippensee Manufacturing Company, Detroit, Mich. Planetarium. No. 881,875; Mar. 10; Sp. p. 2763; Dr. pp. 592-3; Gaz. vol. 133; p. 488.
- Trippensee Manufacturing Company. (See Trippensee, F. J., assignor.)
- Trisch, G. H., Lloydell, Pa. Railway-frog. No. 886,897; May 5; Sp. p. 1126; Dr. p. 236; Gaz. vol. 134; p. 185.
- Trishman, G. F., Oakland, Cal. Marine vessel. No. 888,274; May 19; Sp. p. 3883; Dr. pp. 817-18; Gaz. vol. 134; p. 695.
- Trist, A. R., St. Albans, England. Packing for stuffing-boxes or similar devices. No. 885,405; Apr. 21; Sp. p. 3586; Dr. p. 751; Gaz. vol. 133; p. 1819.
- Tritch, W. H., and C. J. McCauley, Hagerstown, Md. Table-leaf support. No. 905,026; Nov. 24; Sp. p. 5138; Gaz. vol. 137; p. 916.
- Triumph Manufacturing Company. (See Overkamp, C. H., assignor.)
- Triumph Manufacturing Company. (See Overkamp and Streich, assignors.)
- Triumph Motor Car Company. (See Pearson, C. F., assignor.)
- Triumph Voting Machine Company. (See Abbott, C. C., assignor.)
- Trivett and Company, L. O. (See Trivett and Randall, assignors.)
- Trivett, L. O., Nottingham, and F. Randall, Beeston, assignors to L. O. Trivett and Company, Limited, Nottingham, England. Chemical-spotting machine. No. 900,616; Oct. 6; Sp. p. 1171; Dr. p. 239; Gaz. vol. 136; p. 1252.
- Troche, W. (See Goehring and Troche.)
- Troeger, J. W., La Grange, Ill. Shingle. No. 877,019; Jan. 21; Sp. p. 2753; Dr. p. 596; Gaz. vol. 132; p. 515.
- Troell, C. T., Seguin, Tex. Lineman's portable telegraph and telephone pole seat. No. 882,850; Mar. 24; Sp. p. 4701; Dr. p. 999; Gaz. vol. 133; p. 867.
- Troeller, W., Frankfurt-on-the-Main, Germany. Means for attaching stirring-arms to shafts in mechanical roasting-furnaces. No. 904,819; Nov. 24; Sp. p. 4712; Gaz. vol. 137; p. 847.
- Troemel, R., Chicago, Ill. Coffee and tea infuser. No. 903,634; Nov. 10; Sp. p. 2214; Gaz. vol. 137; p. 391.
- Troemner, C. E. (See Fritz, L., assignor.)
- Troegner, E. W., et al. (See Barnes, J. S., assignor.)
- Tromanhauser, J. H., Minneapolis, Minn. Concrete sea-wall. No. 891,966; June 30; Sp. p. 5681; Dr. p. 1223; Gaz. vol. 134; p. 2088.
- Tromblee, A., assignor to Glens Falls Machine Works, Glens Falls, N. Y. Feeding device for sulfur-burners. No. 885,891; Apr. 28; Sp. p. 4563; Dr. p. 957; Gaz. vol. 133; p. 2004.
- Trompeter, G., near Horton, Kans. Harrow attachment for cultivators. No. 902,123; Oct. 27; Sp. p. 4292; Dr. p. 870; Gaz. vol. 136; p. 1835.
- Tropenas, A., Montelimar, France. Manufacture of steel by the pneumatic process. No. 880,253; Feb. 25; Sp. p. 4882; Dr. p. 1032; Gaz. vol. 132; p. 1726.
- Troth, D. S., Fruitvale, Cal. Telegraphic transmitter. No. 876,669; Jan. 14; Sp. p. 2029; Dr. pp. 442-3; Gaz. vol. 132; p. 360.
- Trott, H. W., Watertown, Mass. Test apparatus. No. 894,350; July 28; Sp. p. 4133; Dr. p. 854; Gaz. vol. 135; p. 728.
- Trott, R. S., Denver, Colo. Rock-drill. No. 875,869; Jan. 7; Sp. p. 355; Dr. p. 79; Gaz. vol. 132; p. 66.
- Trotti, R. S., Denver, Colo. Gas-operated rock-drilling engine. No. 896,777; Aug. 25; Sp. p. 3981; Dr. pp. 856-7; Gaz. vol. 135; p. 1616.
- Trotter, J. E., and H. A. Crevier, Ste. Anne de Bellevue, Quebec, Canada. Stock and die. No. 900,617; Oct. 6; Sp. p. 1174; Dr. p. 240; Gaz. vol. 136; p. 1253.
- Trotyer, R. E., Hussein-Dey, Algeria. Apparatus for classifying solid materials. No. 888,767; May 26; Sp. p. 4899; Dr. pp. 1043-4; Gaz. vol. 134; p. 887.
- Trotz, J. O. E., Worcester, Mass. Apparatus for casting ingots. No. 894,410; July 28; Sp. p. 4262; Dr. p. 879; Gaz. vol. 135; p. 747.
- Troubetzkoy, L., Milan, Italy. Portable acetylene-generator. No. 905,767; Dec. 1; Sp. p. 1295; Gaz. vol. 137; p. 1195.
- Trout, J., Philadelphia, Pa. Trolley-replacer. No. 890,201; June 9; Sp. p. 2020; Dr. p. 445; Gaz. vol. 134; p. 1412.
- Trout, W. H., assignor to Allis-Chalmers Company, Milwaukee, Wis. Band-saw mill. No. 899,575; Sept. 29; Sp. p. 4610; Dr. pp. 990-1; Gaz. vol. 136; p. 882.
- Troutman, L. H., Cincinnati, Ohio. Portable covering. No. 905,768; Dec. 1; Sp. p. 1298; Gaz. vol. 137; p. 1195.
- Trow, M. A., and F. J. Brummer, Avoca, Minn. Gas-engine. No. 891,643; June 23; Sp. p. 5011; Dr. pp. 1079-80; Gaz. vol. 134; p. 1948.
- Trow, M. A., and F. J. Brummer, Avoca, Minn. Automatic charging mechanism for engines. No. 895,603; Aug. 11; Sp. p. 1655; Dr. pp. 349-50; Gaz. vol. 135; p. 1192.
- Trowbridge, C. C., assignor of two-thirds to H. C. Parker, New York, N. Y. Apparatus for preserving ice-cream and other matter. No. 907,099; Dec. 15; Sp. p. 3799; Gaz. vol. 137; p. 1676.
- Troxel, D. S., Elyria, Ohio. Saddle-spring. No. 893,401; July 14; Sp. p. 2024; Dr. p. 425; Gaz. vol. 135; p. 364.

Alphabetical list of patentees—Continued.

- Troxler, G. W. (See Caracristi and Troxler.)
 Troy Laundry Machinery Company. (See Bartholomew, W., assignor.)
 Troy, M. O., Lynn, Mass., assignor to General Electric Company. Electric condenser. No. 888,275; May 19; Sp. p. 3885; Dr. p. 818; Gaz. vol. 134; p. 696.
 Troy, M. O., Schenectady, N. Y., assignor to General Electric Company. Variable-voltage transformer. No. 890,730; June 16; Sp. p. 3130; Dr. p. 685; Gaz. vol. 134; p. 1616.
 Troy, M. O., Schenectady, N. Y., assignor to General Electric Company. Starting mercury-vapor apparatus. No. 890,731; June 16; Sp. p. 3131; Dr. p. 686; Gaz. vol. 134; p. 1617.
 Troy, M. O., Schenectady, N. Y., assignor to General Electric Company. Variable-voltage transformer. No. 895,914; Aug. 11; Sp. p. 2270; Dr. pp. 484-5; Gaz. vol. 135; p. 1292.
 Troy, M. O., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. No. 897,501; Sept. 1; Sp. p. 532; Dr. p. 113; Gaz. vol. 136; p. 85.
 Troy Wagon Works Company. (See Geiger, Eccard, and Sotherland, assignors.)
 Truax, B. F., Keosauqua, Iowa. Copy-holder. No. 882,220; Mar. 17; Sp. p. 3466; Dr. p. 737; Gaz. vol. 133; p. 626.
 Truby, J. M., Starke, Fla. Handle for coffins, &c. No. 885,305; Apr. 21; Sp. p. 3372; Dr. p. 705; Gaz. vol. 133; p. 1786.
 Truccot, P., assignor of one-half to W. Schenk, New York, N. Y. Cuff-button. No. 902,780; Nov. 3; Sp. p. 475; Gaz. vol. 137; p. 83.
 Trude, C., assignor of one-half to H. B. Mees, St. Marys, Kans. Closer for doors, shutters, gates, and the like. No. 888,368; May 19; Sp. p. 4065; Dr. p. 857; Gaz. vol. 134; p. 724.
 Trudeau, F. L., assignor to Wright Wire Company, Worcester, Mass. Weft stop-motion for wire-loom. No. 894,244; July 28; Sp. p. 3903; Dr. p. 806; Gaz. vol. 135; p. 692.
 True, I. J., Providence, R. I. Bottle holder and rack. No. 885,806; Apr. 28; Sp. p. 4406; Dr. p. 923; Gaz. vol. 133; p. 1975.
 Trueblood, H. L., Indianapolis, Ind. Combined saw jointer, set, swage, and gage. No. 889,070; May 26; Sp. p. 5516; Dr. p. 1172; Gaz. vol. 134; p. 986.
 Truesdell, C. H. (See Planet, C. F., assignor.)
 Trufant, W. E., Whitman, Mass. Machine for manufacturing lasts. No. 888,672; May 26; Sp. p. 4717; Dr. p. 1004; Gaz. vol. 134; p. 858.
 Trufant, W. E., Whitman, Mass. Machine for drawing tacks. No. 889,274; June 2; Sp. p. 158; Dr. pp. 38-9; Gaz. vol. 134; p. 1084.
 Truban, M., Philadelphia, Pa. Adjustable pattern for coats. No. 890,472; June 9; Sp. p. 2562; Dr. p. 568; Gaz. vol. 134; p. 1498.
 Truitt, C., Moscow, Idaho. Telephone-switch. No. 897,681; Sept. 1; Sp. p. 890; Dr. p. 191; Gaz. vol. 136; p. 142.
 Truitt, G. L., New York, N. Y. Razor. No. 907,424; Dec. 22; Sp. p. 4494; Gaz. vol. 137; p. 1823.
 Truitt, S., Guthrie, Okla. Cotton-chopper. No. 887,876; May 19; Sp. p. 3144; Dr. p. 661; Gaz. vol. 134; p. 566.
 Trulin, J. M. (See Smalley, J. A., assignor.)
 Truman, C., Toledo, assignor of one-half to J. W. Urschel, Bowling Green, and C. V. Urschel, Toledo, Ohio. Spraying device. No. 965,250; Dec. 1; Sp. p. 249; Gaz. vol. 137; p. 1026.
 Trumble, C. B., Syracuse, assignor to J. M. Cheney, Cazenovia, N. Y. Trap. No. 887,547; May 12; Sp. p. 2480; Dr. p. 523; Gaz. vol. 134; p. 427.
 Trumble, C. B., Syracuse, assignor to J. M. Cheney, Cazenovia, N. Y. Hinge. No. 887,548; May 12; Sp. p. 2481; Dr. p. 524; Gaz. vol. 134; p. 427.
 Trumble, C. B., Syracuse, assignor to Oneida Community, Limited, Oneida, N. Y. Animal-trap. No. 905,390; Dec. 1; Sp. p. 518; Gaz. vol. 137; p. 1073.
 Trumbull Electric Manufacturing Company. (See Clark, C. A., assignor.)
 Trumbull Electric Manufacturing Company. (See Trumbull, H., assignor.)
 Trumbull Electric Manufacturing Company. (See Wheeler, F. T., assignor.)
 Trumbull, H., assignor to Trumbull Electric Manufacturing Company, Plainville, Conn. Insulator. No. 887,877; May 19; Sp. p. 3145; Dr. p. 661; Gaz. vol. 134; p. 566.
 Trumbull, R. A., Hicksville, Ohio. End-gate. No. 898,940; Sept. 15; Sp. p. 3366; Dr. p. 723; Gaz. vol. 136; p. 612.
 Trump, E. N., Syracuse, N. Y. Lixiviating apparatus. No. 889,159; May 26; Sp. p. 5726; Dr. pp. 1212-13; Gaz. vol. 134; p. 1015.
 Trump, E. N., Syracuse, assignor to Solvay Process Company, Solvay, N. Y. Gas-producer. No. 893,114; July 14; Sp. p. 1473; Dr. pp. 310-11; Gaz. vol. 135; p. 271.
 Trump, W. E. (See Janney, Kinney, and Trump.)
 Trunnell, J. A., et al. (See Farrow, J., assignor.)
 Trunt, M., Monticello, Minn. Motor-propelled sleigh. No. 905,251; Dec. 1; Sp. p. 251; Gaz. vol. 137; p. 1026.
 Truscott Boat Manufacturing Company. (See Truscott, J. M. and E. E., assignors.)
 Truscott, E. E. (See Truscott, J. M. and E. E.)
 Truscott, J. M. and E. E., assignors to Truscott Boat Manufacturing Company, St. Joseph, Mich. Exhaust mechanism for explosive-engines. No. 880,604; Mar. 3; Sp. p. 237; Dr. p. 49; Gaz. vol. 133; p. 41.
 Truss, T. F. J., London, England. Screw-propeller. No. 885,109; Apr. 21; Sp. p. 2945; Dr. p. 624; Gaz. vol. 133; p. 1720.
 Trussed Concrete Steel Company. (See Kahn, J., assignor.)
 Trussell, C. D., New York, N. Y., assignor to Trussell Manufacturing Company. Temporary binder. No. 879,928; Feb. 25; Sp. p. 4235; Dr. p. 885; Gaz. vol. 132; p. 1622.
 Trussell, C. D., assignor to Trussell Manufacturing Company, New York, N. Y. Temporary binder. No. 880,053; Feb. 25; Sp. p. 4481; Dr. p. 941; Gaz. vol. 132; p. 1661.
 Trussell Manufacturing Company. (See Trussell, C. D., assignor.)
 Tsanoil, S. V., New York, N. Y. Mold for cement blocks. No. 877,874; Jan. 28; Sp. p. 4439; Dr. p. 967; Gaz. vol. 132; p. 814.
 Tschantz, D. L., Canton, Ohio. Vehicle-hub. No. 880,605; Mar. 3; Sp. p. 239; Dr. p. 49; Gaz. vol. 133; p. 42.
 Tschantz, D. L., Canton, Ohio. Roller-bearing. No. 890,106; June 9; Sp. p. 1818; Dr. p. 402; Gaz. vol. 134; p. 1380.
 Tschantz, D. L., Canton, Ohio. Concealed fastener and joint in woodwork. No. 893,676; July 21; Sp. p. 2636; Dr. p. 552; Gaz. vol. 135; p. 484.
 Tschantz, D. L., Canton, Ohio. Roller-bearing. No. 893,952; July 21; Sp. p. 3272; Dr. p. 673; Gaz. vol. 135; p. 575.
 Tschimperle, M., Victoria, Minn. Engine. No. 887,549; May 12; Sp. p. 2483; Dr. p. 524; Gaz. vol. 134; p. 428.
 Tschirgi, A., Sheridan, Wyo. Water-wheel. No. 906,754; Dec. 15; Sp. p. 3172; Gaz. vol. 137; p. 1569.
 Tubeless Iron Company. (See Russell, H. W., assignor.)
 Tubes Limited. (See Reinhard, H., assignor.)
 Tubular Rivet & Stud Company. (See Simpson and Bray, assignors.)
 Tucker, B. W., Newark, N. J., assignor to American Tobacco Company, New York, N. Y. Mechanism for feeding conical tubes. No. 900,900; Oct. 13; Sp. p. 1763; Dr. p. 358; Gaz. vol. 136; p. 1371.
 Tucker, E. D., assignor to R. Hoe, New York, N. Y. Mold. No. 885,807; Apr. 28; Sp. p. 4408; Dr. p. 924; Gaz. vol. 133; p. 1975.
 Tucker, F. W., Milford, assignor to United States Cash Sales Company, South Norwalk, Conn. Coin-operated vending-machine. No. 895,516; Aug. 11; Sp. p. 1487; Dr. pp. 314-15; Gaz. vol. 135; p. 1164.
 Tucker, G. R., et al. (See Gerstenhauer, A., assignor.)
 Tucker, H. G., assignor to W. J. Luna, Hereford, Tex. Windmill. No. 889,413; June 2; Sp. p. 445; Dr. p. 106; Gaz. vol. 134; p. 1129.
 Tucker, J., et al. (See Gray, H., assignor.)
 Tucker, J. E., Jennings, Kans. Earth-scraper. No. 895,915; Aug. 11; Sp. p. 2273; Dr. pp. 485-6; Gaz. vol. 135; p. 1292.
 Tucker, J. Z. and L. V., St. Louis, Mo. Telegraph-key. No. 900,238; Oct. 6; Sp. p. 336; Dr. p. 70; Gaz. vol. 136; p. 1128.
 Tucker, L. V. (See Tucker, J. Z. and L. V.)
 Tucker, T., Oakland, Cal. Submarine projectile. No. 882,980; Mar. 24; Sp. p. 4951; Dr. p. 1053; Gaz. vol. 133; p. 910.
 Tudor, J. H., Lexington, Ky. Mail-bag catcher. No. 891,751; June 23; Sp. p. 5212; Dr. pp. 1127-8; Gaz. vol. 134; p. 1984.
 Tueckmantel, H., Newark, N. J. Bottle-stopper. No. 883,259; Mar. 31; Sp. p. 5524; Dr. p. 1178; Gaz. vol. 133; p. 1032.
 Tuerk, F. W., Berlin, Ontario, Canada. Water-cooler. No. 888,206; May 19; Sp. p. 3759; Dr. p. 789; Gaz. vol. 134; p. 672.
 Tufting Machine Supply Company. (See Krueger, H. L. E., assignor.)
 Tufts, E. R., Pittsburg, Pa., assignor of one-half to C. E. Greenough, New York, N. Y. Sight for firearms. No. 898,531; Sept. 15; Sp. p. 2605; Dr. p. 556; Gaz. vol. 136; p. 480.
 Tufts, E. R., Pittsburg, Pa., assignor of one-half to C. E. Greenough, New York, N. Y. Sight for firearms. No. 898,532; Sept. 15; Sp. p. 2606; Dr. p. 556; Gaz. vol. 136; p. 480.
 Tufts, J. L., Boston, Mass. Producing sulfur dioxide of commercially uniform temperature and concentration. No. 891,115; June 16; Sp. p. 3888; Dr. p. 851; Gaz. vol. 134; p. 1741.
 Tufts, J. L., Boston, Mass. Apparatus for treating gases containing sulfur dioxide. No. 891,116; June 16; Sp. p. 3889; Dr. p. 851; Gaz. vol. 134; p. 1741.
 Tufts, R. B., Atlanta, Ga. Mold. No. 894,549; July 28; Sp. p. 4536; Dr. pp. 939-40; Gaz. vol. 135; p. 792.
 Tuggle, G. S., Braymer, Mo. Replanting attachment for cultivators. No. 901,566; Oct. 20; Sp. p. 3144; Dr. p. 642; Gaz. vol. 136; p. 1625.
 Tuggle, J., Watertown, Tenn. Planter and fertilizer-dropper. No. 899,144; Sept. 22; Sp. p. 3755; Dr. p. 805; Gaz. vol. 136; p. 707.
 Tuggy, E. (See Coulter and Tuggy.)
 Tullock, J. T., assignor of one-half to R. E. L. Jenkins, Houston, Tex. Switch-lock. No. 877,616; Jan. 28; Sp. p. 3975; Dr. p. 858; Gaz. vol. 132; p. 732.

Alphabetical list of patentees—Continued.

- Tully, J., Chicago, Ill. Making artificial variegated stone veneer. No. 900,801; Oct. 13; Sp. p. 1550; Gaz. vol. 136; p. 1339.
- Tully, J. D., Pearl, Colo. Drill. No. 907,540; Dec. 22; Sp. p. 4712; Gaz. vol. 137; p. 1861.
- Tully, S., Jr., Philadelphia, Pa. Ball-bearing trolley-wheel and harp. No. 902,781; Nov. 3; Sp. p. 475; Gaz. vol. 137; p. 83.
- Tunison, A. C., Tacoma, Wash. Switch-operating mechanism. No. 894,297; July 28; Sp. p. 4030; Dr. p. 832; Gaz. vol. 135; p. 710.
- Tunnessen, W., Hazleton, Pa. Miner's lamp. No. 888,768; May 26; Sp. p. 4902; Dr. p. 1044; Gaz. vol. 134; p. 888.
- Tunstall, R. N., and F. Sciotte, Guerneville, Cal. Currycomb. No. 878,433; Feb. 4; Sp. p. 1079; Dr. p. 220; Gaz. vol. 132; p. 1026.
- Tuor, J. B., St. Paul, Minn. Fluid-pressure distributor. No. 901,049; Oct. 13; Sp. p. 2065; Dr. p. 419; Gaz. vol. 136; p. 1420.
- Tuorto, L., Lancaster, Pa. Purse-clasp-locking device. No. 897,562; Sept. 1; Sp. p. 662; Dr. p. 139; Gaz. vol. 136; p. 104.
- Turansky, S., Brooklyn, N. Y. Water-heater. No. 894,351; July 28; Sp. p. 4135; Dr. p. 854; Gaz. vol. 135; p. 728.
- Turbayne, W. A., Lancaster, N. Y., assignor to Gould Coupler Company. Car-lighting system. No. 886,445; May 5; Sp. p. 203; Dr. p. 44; Gaz. vol. 134; p. 39.
- Turbayne, W. A., Lancaster, N. Y., assignor to Gould Storage Battery Company. Electrical system of distribution. No. 899,145; Sept. 22; Sp. p. 3756; Dr. p. 805; Gaz. vol. 136; p. 707.
- Turcott, L. G. (See Drown, Turcott, and Harding.)
- Turcotte, J. H. (See Murtha, J. P., assignor.)
- Turcotte, J. H., Indian Orchard, Mass. Saddle for spinning-frames. No. 877,020; Jan. 21; Sp. p. 2754; Dr. p. 596; Gaz. vol. 132; p. 515.
- Turcotte, J. H., Indian Orchard, Mass. Spinning or twisting apparatus. No. 895,701; Aug. 11; Sp. p. 1844; Dr. p. 392; Gaz. vol. 135; p. 1224.
- Turcotte, J. H., Springfield, Mass. Brooder or incubator. No. 891,644; June 23; Sp. p. 5015; Dr. p. 1080; Gaz. vol. 134; p. 1449.
- Turcotte, J. H., Springfield, Mass. Ring cutter. No. 897,563; Sept. 1; Sp. p. 664; Dr. p. 139; Gaz. vol. 136; p. 104.
- Tures, W., assignor to Rex Light and Stove Company, Milwaukee, Wis. Hydrocarbon-lamp. No. 883,152; Mar. 24; Sp. p. 5290; Dr. p. 1128; Gaz. vol. 133; p. 966.
- Tures Manufacturing Company. (See Tures, W., assignor.)
- Tures, W., assignor to Tures Manufacturing Company, Milwaukee, Wis. Gas-generator. No. 886,309; Apr. 28; Sp. p. 5408; Dr. p. 1135; Gaz. vol. 133; p. 2142.
- Turko, T. J., and P. J. Holman, Carnegie, Pa. Wrench. No. 891,752; June 23; Sp. p. 5215; Dr. p. 1128; Gaz. vol. 134; p. 1984.
- Turman, W. B., Waldron, Ark. Permutation-lock. No. 877,682; Jan. 28; Sp. p. 4099; Dr. p. 887; Gaz. vol. 132; p. 753.
- Turnage, J. C., Richmond, Mo. Resilient wheel. No. 893,677; July 21; Sp. p. 2638; Dr. p. 553; Gaz. vol. 135; p. 484.
- Turnbaugh, D. H., Altoona, Pa. Rail-fastener. No. 901,128; Oct. 13; Sp. p. 2213; Dr. pp. 449-50; Gaz. vol. 136; p. 1444.
- Turnbull, G. A., Chicago, Ill. Metal cutting and forming machine. No. 885,548; Apr. 21; Sp. p. 3868; Dr. pp. 809-10; Gaz. vol. 133; p. 1862.
- Turnbull, W., Wellington, New Zealand. Flushing-valve for water-closets. No. 878,166; Feb. 4; Sp. p. 572; Dr. p. 117; Gaz. vol. 132; p. 938.
- Turnbull, W. G. (See Fox, H. L., assignor.)
- Turnbull, W. J. (See Drawe and Turnbull.)
- Turnbull, W. W., Columbus, Ohio. Machine for making popcorn balls. No. 897,682; Sept. 1; Sp. p. 892; Dr. p. 191; Gaz. vol. 136; p. 143.
- Turner, A., Chicago, Ill. Picture-frame. No. 890,202; June 9; Sp. p. 2021; Dr. p. 445; Gaz. vol. 134; p. 1412.
- Turner, A., Leicester, England. Speed-indicator. No. 905,769; Dec. 1; Sp. p. 1299; Gaz. vol. 137; p. 1196.
- Turner, A., and L. Howard, Stillwell, Ill. Manure-spreading attachment for wagons. No. 877,227; Jan. 21; Sp. p. 3188; Dr. pp. 691-2; Gaz. vol. 132; p. 586.
- Turner, A. W., et al. (See Taylor, A., Jr., assignor.)
- Turner, B. B., Berthoud, Colo. Sash-fastener. No. 877,809; Jan. 28; Sp. p. 4310; Dr. pp. 935-6; Gaz. vol. 132; p. 792.
- Turner, C. E. (See Gilbert, A. L., assignor.)
- Turner, C. E., and W. H. Singleton, Macon, Ga. Shelf-operating mechanism. No. 892,779; July 7; Sp. p. 757; Dr. p. 160; Gaz. vol. 135; p. 131.
- Turner, C. G., Togus, Me. Fastener. No. 894,352; July 28; Sp. p. 4138; Sp. p. 854; Gaz. vol. 135; p. 729.
- Turner, C. J., Monticello, Iowa. Box-lid clamp. No. 907,919; Dec. 29; Sp. p. 5543; Gaz. vol. 137; p. 2015.
- Turner, C. W. (See Plumb, W. L., assignor.)
- Turner, E., Pittsburg, Kans. Automatic gas cut-off. No. 893,762; July 21; Sp. p. 2893; Dr. p. 594; Gaz. vol. 135; p. 514.
- Turner, E. M., Okawville, Ill. Saddle-stirrup. No. 878,837; Feb. 11; Sp. p. 1979; Dr. p. 410; Gaz. vol. 132; p. 1193.
- Turner, F., et al. (See Hansen, H. K., assignor.)
- Turner, F., Cleveland, Ohio. Takeapart baby-carriage. No. 897,502; Sept. 1; Sp. p. 534; Dr. p. 113; Gaz. vol. 136; p. 85.
- Turner, F. G. (See Lee, C. S., assignor.)
- Turner-Fricke Manufacturing Company. (See Fricke and Turner, assignors.)
- Turner, G. A., New Orleans, La. Water-cooler. No. 901,663; Oct. 20; Sp. p. 3326; Dr. p. 683; Gaz. vol. 136; p. 1655.
- Turner, G. E. (See Fricke and Turner.)
- Turner, H. L., assignor of one-half to N. E. Fernandez, Tampa, Fla. Fireproof shutter. No. 896,176; Aug. 18; Sp. p. 2764; Dr. p. 595; Gaz. vol. 135; p. 1396.
- Turner, H. M., assignor of one-half to J. B. Gathright, Louisville, Ky. Car-cleaning apparatus. No. 894,919; Aug. 4; Sp. p. 261; Dr. p. 57; Gaz. vol. 135; p. 941.
- Turner, H. M., assignor of one-half to J. B. Gathright, Louisville, Ky. Car-cleaning apparatus. No. 894,920; Aug. 4; Sp. p. 271; Dr. p. 58; Gaz. vol. 135; p. 941.
- Turner, J., Huddersfield, England. Direct cotton dye. No. 888,942; May 26; Sp. p. 5296; Gaz. vol. 134; p. 946.
- Turner, J. L., Philadelphia, Pa., and C. E. Vanderkleed, Collingswood, N. J., assignors to H. K. Mulford Company, Philadelphia, Pa. Preparing nitrils of aromatic alpha-oxyacids. No. 895,316; Aug. 4; Sp. p. 1099; Gaz. vol. 135; p. 1075.
- Turner, J. L., Philadelphia, Pa., and C. E. Vanderkleed, Collingswood, N. J., assignors to H. K. Mulford Company, Philadelphia, Pa. Preparing antiseptic compounds. No. 906,473; Dec. 8; Sp. p. 2631; Gaz. vol. 137; p. 1453.
- Turner, J. L., Philadelphia, Pa., and C. E. Vanderkleed, Collingswood, N. J., assignors to H. K. Mulford Company, Philadelphia, Pa. Preparing organic iron compounds. No. 906,474; Dec. 8; Sp. p. 2632; Gaz. vol. 137; p. 1454.
- Turner, J. M., Philadelphia, Pa. Collapsible step-ladder. No. 898,706; Sept. 15; Sp. p. 2946; Dr. p. 631; Gaz. vol. 136; p. 536.
- Turner, J. P., New York, N. Y. Lightning-rod terminal. No. 895,916; Aug. 11; Sp. p. 2276; Dr. p. 486; Gaz. vol. 135; p. 1293.
- Turner, J. W., Reelsville, Ind. Attachment for steam-shovel scoops. No. 876,111; Jan. 7; Sp. p. 835; Dr. p. 179; Gaz. vol. 132; p. 141.
- Turner, J. W., Shelbyville, Mo. Sully attachment for plows. No. 893,763; July 21; Sp. p. 2897; Dr. p. 594; Gaz. vol. 135; p. 514.
- Turner, K. M., New York, N. Y., assignor to General Acoustic Company. Multiphone. No. 893,286; July 14; Sp. p. 1820; Dr. p. 382; Gaz. vol. 135; p. 328.
- Turner, L. R., Long Pine, Nebr. Marker attachment. No. 901,853; Oct. 20; Sp. p. 3734; Dr. pp. 759-60; Gaz. vol. 136; p. 1717.
- Turner, M., Steamboat Springs, Colo. Vehicle-coupling. No. 882,981; Mar. 24; Sp. p. 4954; Dr. pp. 1053-4; Gaz. vol. 133; p. 911.
- Turner, O. C., Hiawatha, Kans. Cutter-bar for harvesting-machines. No. 889,646; June 2; Sp. p. 888; Dr. p. 204; Gaz. vol. 134; p. 1203.
- Turner, O. N., Templeton, assignor to Bay State Metal Wheel Company, East Templeton, Mass. Canopy-top attachment for perambulators. No. 884,543; Apr. 14; Sp. p. 1773; Dr. p. 381; Gaz. vol. 133; p. 1505.
- Turner, O. N., Templeton, assignor to Bay State Metal Wheel Company, East Templeton, Mass. Folding carriage. No. 890,253; June 9; Sp. p. 2131; Dr. p. 467; Gaz. vol. 134; p. 1429.
- Turner, O. N., Templeton, assignor to Bay State Metal Wheel Company, East Templeton, Mass. Folding carriage. No. 899,851; Sept. 29; Sp. p. 5205; Dr. pp. 1114-15; Gaz. vol. 136; p. 973.
- Turner, R., New Canaan, Conn., and B. R. Corley, New York, N. Y. Engraving-machine. No. 886,898; May 5; Sp. p. 1128; Dr. pp. 236-7; Gaz. vol. 134; p. 185.
- Turner, S. C. (See Gremminger, J., assignor.)
- Turner, T., assignor of one-third to F. R. McAllister, Elyria, Ohio. Pump-piston. No. 889,275; June 2; Sp. p. 162; Dr. p. 40; Gaz. vol. 134; p. 1084.
- Turner Tanning Machinery Company. (See Seymour-Jones, A., assignor.)
- Turner, W., Philadelphia, Pa. Folding rule. No. 893,035; July 14; Sp. p. 1322; Dr. p. 278; Gaz. vol. 135; p. 246.
- Turner, W., Santa Fe, Ohio. Lock. No. 896,177; Aug. 18; Sp. p. 2766; Dr. p. 596; Gaz. vol. 135; p. 1397.
- Turner, W. H., Leeds, England. Electric switch-throwing mechanism. No. 890,942; June 16; Sp. p. 3565; Dr. p. 778; Gaz. vol. 134; p. 1686.
- Turner, W. L. (See Landgraf and Turner.)
- Turner, W. R., New York, N. Y. Holder for nursing-bottles. No. 897,034; Aug. 25; Sp. p. 4571; Dr. p. 975; Gaz. vol. 135; p. 1702.
- Turner, W. V., assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Air-brake. No. 877,530; Jan. 28; Sp. p. 3782; Dr. p. 820; Gaz. vol. 132; p. 704.
- Turner, W. V., assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Brake. No. 877,531; Jan. 28; Sp. p. 3784; Dr. pp. 820-1; Gaz. vol. 132; p. 704.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Pressure-reducing valve. No. 879,698; Feb. 18; Sp. p. 3724; Dr. p. 781; Gaz. vol. 132; p. 1512.

Alphabetical list of patentees—Continued.

- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Electric pump-governor. No. 879,699; Feb. 18; Sp. p. 3726; Dr. p. 782; Gaz. vol. 132; p. 1512.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Engineer's brake-valve. No. 882,596; Mar. 24; Sp. p. 4182; Dr. p. 887; Gaz. vol. 133; p. 784.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Air-brake. No. 882,918; Mar. 24; Sp. p. 4833; Dr. p. 1026; Gaz. vol. 133; p. 889.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Triple valve for graduating release. No. 890,823; June 16; Sp. p. 3320; Dr. p. 727; Gaz. vol. 134; p. 1648.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Graduating triple valve. No. 890,824; June 16; Sp. p. 3322; Dr. p. 727; Gaz. vol. 134; p. 1648.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake. No. 896,957; Aug. 25; Sp. p. 4404; Dr. p. 942; Gaz. vol. 135; p. 1676.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. High-pressure brake. No. 896,958; Aug. 25; Sp. p. 4408; Dr. p. 942; Gaz. vol. 135; p. 1677.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. High-speed-reducing valve for air-brakes. No. 902,182; Oct. 27; Sp. p. 4417; Dr. p. 895; Gaz. vol. 136; p. 1855.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Electropneumatic brake. No. 902,184; Oct. 27; Sp. p. 4424; Dr. p. 896; Gaz. vol. 136; p. 1855.
- Turner, W. V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Triple valve. No. 907,199; Dec. 22; Sp. p. 4034; Gaz. vol. 137; p. 1746.
- Turner, W. V., Edgewood, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Graduated release-valve. No. 879,700; Feb. 18; Sp. p. 3731; Dr. p. 782; Gaz. vol. 132; p. 1513.
- Turner, W. V., Edgewood, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake. No. 888,207; May 19; Sp. p. 3761; Dr. p. 789; Gaz. vol. 134; p. 672.
- Turner, W. V., Edgewood, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Duplex brake-cylinder. No. 902,185; Oct. 27; Sp. p. 4426; Dr. p. 896; Gaz. vol. 136; p. 1856.
- Turner, W. V., Wilkinsburg, and J. S. Custer, assignors to Westinghouse Air Brake Company, Pittsburg, Pa. High-speed-reducing valve for air-brakes. No. 902,183; Oct. 27; Sp. p. 4420; Dr. p. 896; Gaz. vol. 136; p. 1855.
- Turner, W. V., Wilkinsburg, and R. H. Blackall, Edgewood Park, assignors to Westinghouse Air Brake Company, Pittsburg, Pa. Air-brake. No. 907,200; Dec. 22; Sp. p. 4036; Gaz. vol. 137; p. 1746.
- Turney, A., Kansas City, Mo. Sanitary floor for animal-stalls. No. 880,700; Mar. 3; Sp. p. 411; Dr. p. 88; Gaz. vol. 133; p. 74.
- Turney, H. L., Portland, Ore. Clutch-operating mechanism. No. 876,609; Jan. 14; Sp. p. 1904; Dr. p. 415; Gaz. vol. 132; p. 339.
- Turney, H. L., Portland, Ore. Clutch-operating mechanism. No. 906,585; Dec. 15; Sp. p. 2845; Gaz. vol. 137; p. 1515.
- Turnipseed, J. C. (See Riegel, S. D., assignor.)
- Turnquist, A. E., assignor to Cable Company, Chicago, Ill. Supporting means for swinging parts of musical instruments. No. 893,764; July 21; Sp. p. 2893; Dr. p. 595; Gaz. vol. 135; p. 514.
- Turnstrom, A. (See Winquist and Turnstrom.)
- Turpel, W. C., New Orleans, La. Heel for boots and shoes. No. 884,780; Apr. 14; Sp. p. 2294; Dr. p. 482; Gaz. vol. 133; p. 1584.
- Turpin, C., assignor of one-fourth to O. Hepworth, Scappoose, Ore. Logging-tackle. No. 902,510; Oct. 27; Sp. p. 5138; Dr. p. 1041; Gaz. vol. 136; p. 1964.
- Turton, J., Johannesburg, Transvaal. Extraction of metals from their ores. No. 899,146; Sept. 22; Sp. p. 3761; Gaz. vol. 136; p. 707.
- Tuson, C. R., Windsor, Ontario, Canada. Combination kitchen utensil. No. 881,268; Mar. 10; Sp. p. 1546; Dr. p. 333; Gaz. vol. 133; p. 291.
- Tussau, L. J. (See Jaillet and Tussau.)
- Tuteur, J., Cleveland, Ohio. Tension and supporting member for concrete construction. No. 897,035; Aug. 25; Sp. p. 4572; Dr. p. 975; Gaz. vol. 135; p. 1703.
- Tuttle, B. I. (See Myers and Tuttle.)
- Tuttle & Bailey Manufacturing Company. (See Bailey, J. H., assignor.)
- Tuttle, F. A., Naasay township, Kendall county, Ill. Broadcast seeder. No. 896,178; Aug. 18; Sp. p. 2767; Dr. pp. 596-7; Gaz. vol. 135; p. 1397.
- Tuttle, G. H., and E. A. Kent, Atlanta, Ga. Rotary engine. No. 887,711; May 12; Sp. p. 2777; Dr. pp. 586-7; Gaz. vol. 134; p. 481.
- Tuttle, H. A., assignor to Evans Stamping and Plating Co., Taunton, Mass. Reverse-gearing. No. 901,664; Oct. 20; Sp. p. 3328; Dr. pp. 683-4; Gaz. vol. 136; p. 1655.
- Tuttle, H. A., assignor to Evans Stamping & Plating Company, Taunton, Mass. Clutch mechanism for reverse-gearing. No. 901,854; Oct. 20; Sp. p. 3737; Dr. p. 760; Gaz. vol. 136; p. 1718.
- Tuttle, J. B., Claremont, Cal. Fruit and flower picker. No. 886,555; May 5; Sp. p. 420; Dr. p. 90; Gaz. vol. 134; p. 77.
- Tuttle, J. E., Watertown, Mass. Power-transmitting mechanism. No. 887,878; May 19; Sp. p. 3146; Dr. pp. 661-2; Gaz. vol. 134; p. 567.
- Tuttle, J. S., Kansas City, Mo., assignor to Ohio Cultivator Company, Bellevue, Ohio. Baling-press. No. 877,228; Jan. 21; Sp. p. 3190; Dr. p. 692; Gaz. vol. 132; p. 586.
- Tuttle, J. S., Kansas City, Mo., assignor to Ohio Cultivator Co., Bellevue, Ohio. Self-feeder for baling-presses. No. 907,654; Dec. 22; Sp. p. 4986; Gaz. vol. 137; p. 1898.
- Tuttle, J. S., assignor to Ohio Cultivator Company, Bellevue, Ohio. Horse-power. No. 885,892; Apr. 28; Sp. p. 4565; Dr. p. 957; Gaz. vol. 133; p. 2004.
- Tuttle, J. S., Bellevue, Ohio, assignor to Geo. Ertel Co., Quincy, Ill. Baling-press. No. 885,204; Apr. 21; Sp. p. 3178; Dr. p. 665; Gaz. vol. 133; p. 1752.
- Tuttle, L. S., Eastport, N. Y. Engine-starter. No. 902,350; Oct. 27; Sp. p. 4785; Dr. pp. 965-6; Gaz. vol. 136; p. 1911.
- Tuttle, S., New York, N. Y. Hot-air register. No. 878,257; Feb. 4; Sp. p. 747; Dr. p. 150; Gaz. vol. 132; p. 969.
- Tuttle, W. A., Graymont, Ill. Corn-planter. No. 877,810; Jan. 28; Sp. p. 4312; Dr. p. 936; Gaz. vol. 132; p. 792.
- Tuttle, W. I., Baltimore, Md. Collapsible box. No. 888,554; May 26; Sp. p. 4461; Dr. p. 945; Gaz. vol. 134; p. 818.
- Tuttle, W. I., Baltimore, Md., assignor to American Tobacco Company, New York, N. Y. Collapsible box. No. 888,943; May 26; Sp. p. 5297; Dr. pp. 1123-4; Gaz. vol. 134; p. 946.
- Tuttle, W. S., Brooklyn, N. Y. Hot-air register. No. 901,756; Oct. 20; Sp. p. 3557; Dr. pp. 720-1; Gaz. vol. 136; p. 1688.
- Tverdahl, E. A., assignor of one-half to C. W. Burrows, Coshocton, Ohio. Chill-mold. No. 882,507; Mar. 17; Sp. p. 3983; Dr. p. 851; Gaz. vol. 133; p. 721.
- Tweedale, W. (See Harvey and Tweedale.)
- Twin Bottle-Cap Company. (See Robinson, F. T., assignor.)
- Twining, W. S., Philadelphia, Pa. Passenger-car. No. 904,576; Nov. 24; Sp. p. 4202; Gaz. vol. 137; p. 765.
- Twinlock Company. (See Dom, A., assignor.)
- Twinlock Company. (See Maltby, C. C., assignor.)
- Twinlock Company. (See Maltby and Dom, assignors.)
- Twitchell, J. E., Detroit, assignor, by mesne assignments, to J. B. Timberlake & Sons, Jackson, Mich. Display-easel. No. 895,211; Aug. 4; Sp. p. 878; Dr. p. 184; Gaz. vol. 135; p. 1040.
- Two Edge Manufacturing Co. (See McLeran, A. M., assignor.)
- Twohig, J. D. (See Wylie and Twohig.)
- Twombly, H. D., Sourlake, Tex. Automatic boiler-feed. No. 895,817; Aug. 11; Sp. p. 2092; Dr. p. 444; Gaz. vol. 135; p. 1261.
- Tye, L. A., and L. N. Benjamin, assignors to Ideal Concrete, Limited, Montreal, Quebec, Canada. Making a composition of matter for masonry work. No. 897,939; Sept. 8; Sp. p. 1448; Gaz. vol. 136; p. 259.
- Tyden, E. (See Burton, C. S., assignor.)
- Tyden, E., Hastings, Mich. Extension-table lock. No. 890,732; June 16; Sp. p. 3132; Dr. p. 686; Gaz. vol. 134; p. 1617.
- Tyden, E., Hastings, Mich. Pedestal-table-locking device. No. 893,821; July 21; Sp. p. 3021; Dr. p. 618; Gaz. vol. 135; p. 533.
- Tyden, E., Hastings, Mich. Extension-table-locking device. No. 900,239; Oct. 6; Sp. p. 337; Dr. pp. 70-1; Gaz. vol. 136; p. 1128.
- Tydings, J., Philadelphia, Pa. Wave-motor. No. 877,021; Jan. 21; Sp. p. 2756; Dr. p. 597; Gaz. vol. 132; p. 515.
- Tyer, S., Grapeland, Tex. Wire-stretcher. No. 890,825; June 16; Sp. p. 3324; Dr. p. 727; Gaz. vol. 134; p. 1649.
- Tygart, J. B., Whitwell, Tenn. Expansion-drill. No. 877,265; Jan. 21; Sp. p. 3266; Dr. p. 706; Gaz. vol. 132; p. 598.
- Tyler, D. G., et al. (See Carroll, W. N., assignor.)
- Tyler, E. R., Fremont, Ohio. Stock and sales register. No. 889,414; June 2; Sp. p. 447; Dr. p. 106; Gaz. vol. 134; p. 1130.
- Tyler, G. P. (See West, S. E., assignor.)
- Tyler, H., Atlanta, Ga. Ticket issuing and recording machine. No. 886,743; May 5; Sp. p. 836; Dr. p. 172-4; Gaz. vol. 134; p. 139.
- Tyler, J. C., Knoxville, Tenn. Refrigerator. No. 884,242; Apr. 7; Sp. p. 1182; Dr. p. 249; Gaz. vol. 133; p. 1378.
- Tyler, J. H. (See Bradburn, Tyler, and Low.)
- Tyler, J. H. (See Low, Bradburn, and Tyler.)
- Tyndall, J. C., St. Louis, Mo. Kindergarten-loom. No. 890,733; June 16; Sp. p. 3137; Dr. p. 687; Gaz. vol. 134; p. 1618.
- Tynes, L. M., Gloster, Miss. Attachment for sewing-machines. No. 902,698; Nov. 3; Sp. p. 329; Gaz. vol. 137; p. 55.

Alphabetical list of patentees—Continued.

- Tynes, M. E., Gloster, Miss. Toy. No. 891,117; June 16; Sp. p. 3891; Dr. p. 851; Gaz. vol. 134; p. 1742.
- Tynis, F., assignor of one-half to J. Omelka, Glenallen, Va. Show-case clamp. No. 884,877; Apr. 14; Sp. p. 2480; Dr. pp. 522-3; Gaz. vol. 133; p. 1615.
- Tyree, W., Nelson, New Zealand. Automatic spraying device. No. 879,929; Feb. 25; Sp. p. 4237; Dr. pp. 885-6; Gaz. vol. 132; p. 1622.
- Tysklind, J. A., English Creek, N. J. Table. No. 895,212; Aug. 4; Sp. p. 880; Dr. p. 184; Gaz. vol. 135; p. 1041.
- Tyson, F. (See Moul, J. F., assignor.)
- Tyson, F., Canton, Ohio. Apparatus for heating, cooling, and pasteurizing liquids. No. 887,712; May 12; Sp. p. 2780; Dr. p. 587; Gaz. vol. 134; p. 482.
- Tyson, F., Canton, Ohio. Pasteurizing apparatus. No. 896,959; Aug. 25; Sp. p. 4411; Dr. pp. 942-3; Gaz. vol. 135; p. 1677.
- Tyson, F., Canton, Ohio. Brine-producer. No. 903,028; Nov. 3; Sp. p. 1004; Sp. p. 137; p. 165.
- Tyson, F., Canton, Ohio. Pasteurizing apparatus. No. 903,029; Nov. 3; Sp. p. 1005; Gaz. vol. 137; p. 165.
- Tyson, F., Canton, Ohio. Ice-cream freezer. No. 903,030; Nov. 3; Sp. p. 1007; Gaz. vol. 137; p. 165.
- Tyson, F. B., Randolph, Kans. Alternating rotary gearing. No. 876,112; Jan. 7; Sp. p. 837; Dr. p. 179; Gaz. vol. 132; p. 142.
- Tyson, S. H., Zanesville, Ohio. Metal post or column. No. 905,770; Dec. 1; Sp. p. 1302; Gaz. vol. 137; p. 1196.
- Tzibides, J. N., Boston, Mass. Machine for applying cork tips to cigarettes. No. 890,734; June 16; Sp. p. 3137; Dr. pp. 687-9; Gaz. vol. 134; p. 1618.
- Tzschachmann, O., Forst, Lausitz, Germany. Stand for holding manuscripts or writing or drawing patterns. No. 889,863; June 2, Sp. p. 1308; Dr. p. 300; Gaz. vol. 134; p. 1273.
- U. S. Standard Voting Machine Company. (See Connelly and McLeod, assignors.)
- U. S. Standard Voting Machine Company. (See Lausterer, W. J., assignor.)
- U. S. Standard Voting Machine Company. (See McKenzie, A., assignor.)
- U. S. Standard Voting Machine Company. (See Strong, W. H., assignor.)
- U. S. Wind Engine & Pump Company. (See Anderson, A. J., assignor.)
- Urban, M. W., Sterling, Pa. Flower-pot. No. 894,862; Aug. 4; Sp. p. 117; Dr. pp. 25-6; Gaz. vol. 135; p. 920.
- Ubil, E. (See Ubil, Z. T. and E.)
- Ubil, Z. T. and E., Morton, Pa. Sign-displaying device. No. 887,879; May 19; Sp. p. 3148; Dr. pp. 662-3; Gaz. vol. 134; p. 567.
- Udall, S., Aurora, Ill. Centrifugal pump. No. 895,604; Aug. 11; Sp. p. 1657; Dr. p. 350; Gaz. vol. 135; p. 1192.
- Uebbing, J. T., Cleveland, Ohio, and H. Marshall, New York, N. Y., assignors to Addograph Manufacturing Company. Computing-machine. No. 888,555; May 26; Sp. p. 4463; Dr. p. 946; Gaz. vol. 134; p. 818.
- Uehling, W. J., Schuyler, N. Y. Milking-machine. No. 884,781; Apr. 14; Sp. p. 2296; Dr. pp. 482-3; Gaz. vol. 133; p. 1585.
- Uehling, F. F., Passaic, N. J. Speed indicator and recorder. No. 884,112; Apr. 7; Sp. p. 926; Dr. p. 194; Gaz. vol. 133; p. 1336.
- Uehling, F. F., Passaic, N. J. Speed indicator and recorder. No. 904,660; Nov. 24; Sp. p. 4367; Gaz. vol. 137; p. 793.
- Ufenast, E., Zurich, Switzerland. Conveyor for drying apparatus. No. 880,606; Mar. 3; Sp. p. 241; Dr. p. 50; Gaz. vol. 133; p. 42.
- Ufenast, E., Zurich, Switzerland. Fireproof floor construction. No. 895,605; Aug. 11; Sp. p. 1659; Dr. p. 350; Gaz. vol. 135; p. 1193.
- Ufford, C. A., Boston, Mass. Dress-form. No. 906,087; Dec. 8; Sp. p. 1911; Gaz. vol. 137; p. 1327.
- Uhden, C., Spokane, Wash. Receptacle. No. 877,811; Jan. 28; Sp. p. 4314; Dr. p. 937; Gaz. vol. 132; p. 792.
- Uhden, C., and I. Owen, Spokane, Wash. Mattress attachment. No. 892,334; June 30; Sp. p. 6367; Dr. p. 1373; Gaz. vol. 134; p. 2207.
- Uherkócz, J. U. de, Bayonne, N. J. Life-preserver. No. 906,340; Dec. 8; Sp. p. 2402; Gaz. vol. 137; p. 1412.
- Uhle, E. J. (See Bell and Uhle.)
- Uhlenhaut, F. (See Walsh, M. J., assignor.)
- Uhlhorn, J. F., Washington, D. C. Brick-machine. No. 902,699; Nov. 3; Sp. p. 330; Gaz. vol. 137; p. 56.
- Uhlig, R. W. (See Hazen and Uhlig.)
- Uhlir, E. R., Whittier, Cal. Gas and steam convertible engine. No. 893,557; July 14; Sp. p. 2379; Dr. pp. 498-9; Gaz. vol. 135; p. 414.
- Uhlmann, G., Dresden, Germany. Delivery apparatus. No. 882,031; Mar. 17; Sp. p. 3114; Dr. p. 662; Gaz. vol. 133; p. 567.
- Uhlmann, O., Taunton, Mass. Pneumatic tire. No. 877,970; Feb. 4; Sp. p. 148; Dr. p. 33; Gaz. vol. 132; p. 873.
- Ullrich, S., Chicago, Ill. Violin and other string-instrument body. No. 897,036; Aug. 25; Sp. p. 4574; Dr. p. 975; Gaz. vol. 135; p. 1703.
- Ullery, F. B. (See Shepherd, J., assignor.)
- Ullman, J. A., and G. R. Howell, New York, N. Y., assignor to Sigmund Ullman Company. Rotary tube-closing machine. No. 877,266; Jan. 21; Sp. p. 3267; Dr. p. 707; Gaz. vol. 132; p. 598.
- Ullman, M., New York, N. Y. Foldable table. No. 890,943; June 16; Sp. p. 3566; Dr. p. 773; Gaz. vol. 134; p. 1687.
- Ullman, S. S. (See Ney and Ullman.)
- Ullmann, A., Macon, Ga. Nut-lock. No. 906,475; Dec. 8; Sp. p. 2633; Gaz. vol. 137; p. 1454.
- Ullmann, A., Macon, Ga. Nut-lock. No. 906,476; Dec. 8; Sp. p. 2636; Gaz. vol. 137; p. 1455.
- Ullmann, A., assignor of one-half to J. J. Waxelbaum, Macon, Ga. Regulating-valve. No. 876,285; Jan. 7; Sp. p. 1174; Dr. p. 256; Gaz. vol. 132; p. 198.
- Ullmann, A., assignor of one-half to J. J. Waxelbaum, Macon, Ga. Fluid-controlling device. No. 893,765; July 21; Sp. p. 2899; Dr. p. 595; Gaz. vol. 135; p. 515.
- Ullmann, E., assignor to Arthur Koppel Aktiengesellschaft, Berlin, Germany. Dumping-car. No. 906,968; Dec. 15; Sp. p. 3570; Gaz. vol. 137; p. 1636.
- Ullo, L., New York, N. Y. Car-vestibule. No. 886,744; May 5; Sp. p. 844; Dr. p. 175; Gaz. vol. 134; p. 139.
- Ulrich, J., Hoboken, N. J. Stylographic pen. No. 878,914; Feb. 11; Sp. p. 2131; Dr. p. 444; Gaz. vol. 132; p. 1217.
- Ulrich, G. (See Tanzer, J. J., assignor.)
- Ulrich, J., and C. Letteri, Columbus, Ohio. Safety device for steam-boilers. No. 893,036; July 14; Sp. p. 1323; Dr. p. 278; Gaz. vol. 135; p. 246.
- Ulrich, J. O., Tamaqua, Pa. Railway-track structure. No. 883,063; Mar. 24; Sp. p. 5102; Dr. p. 1089; Gaz. vol. 133; p. 936.
- Ulrich, M., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Antifouling paint and varnish. No. 906,668; Dec. 15; Sp. p. 2994; Gaz. vol. 137; p. 1540.
- Ulrich, T. D., Marion, Ohio. Ice-oleat for traction-wheels. No. 885,205; Apr. 21; Sp. p. 3181; Dr. p. 665; Gaz. vol. 133; p. 1753.
- Ulrichs, E., Elberfeld, assignor to Wülfing, Dahl & Co., Actiengesellschaft, Barmen, Germany. Making lakes. No. 890,245; June 9; Sp. p. 2134; Gaz. vol. 134; p. 1429.
- Ullsh, J. E., Altoona, Pa. Ice-creeper. No. 890,826; June 16; Sp. p. 3325; Dr. p. 723; Gaz. vol. 134; p. 1649.
- Umberger, B. L. (See Cross, A. B., assignor.)
- Umberger, B. L. (See Cross and Umberger.)
- Umlauf, A., and K. Böhm, Vienna, Austria-Hungary. Elastic tire for wheels. No. 906,834; Dec. 15; Sp. p. 3316; Gaz. vol. 137; p. 1594.
- Umpleby, H. C., and M. J. Butler, Angelica, N. Y. Hose-clamp. No. 892,197; June 30; Sp. p. 6113; Dr. p. 1314; Gaz. vol. 134; p. 2162.
- Umstadter, J. M. (See Dornin T. B., assignor.)
- Uncapher, F. B., Latrobe, Pa. Means for handling blooms. No. 894,245; July 28; Sp. p. 3904; Dr. pp. 807-8; Gaz. vol. 135; p. 692.
- Under-Feed Stoker Company of America. (See Tripp, H. C., assignor.)
- Underhill, W. M., Oconto, Wis. Stall for animals. No. 889,735; June 2; Sp. p. 1068; Dr. p. 247; Gaz. vol. 134; p. 1231.
- Underwood, C. W., Crowley, La. Telephone-relay. No. 881,360; Mar. 10; Sp. p. 1731; Dr. pp. 372-3; Gaz. vol. 133; p. 321.
- Underwood, C. W., Crowley, La. Telephone-relay. No. 893,953; July 21; Sp. p. 3274; Dr. p. 674; Gaz. vol. 135; p. 575.
- Underwood, H. G., et al. (See Franklin, S. G., assignor.)
- Underwood, H. G., New York, N. Y. Internal-combustion engine. No. 879,989; Feb. 25; Sp. p. 4340; Dr. p. 910; Gaz. vol. 132; p. 1640.
- Underwood, H. G., Brighton, N. Y., assignor of one-half to W. S. Brian, Memphis, Tenn. Casting apparatus. No. 893,037; July 14; Sp. p. 1325; Dr. p. 279; Gaz. vol. 135; p. 246.
- Underwood, H. M., Unionville, Iowa. Hammock-stand. No. 879,221; Feb. 18; Sp. p. 2725; Dr. p. 568; Gaz. vol. 132; p. 1356.
- Underwood, L. E., and R. W. Douglass, Lynn, Mass., assignors to General Electric Company. Balancer set. No. 881,636; Mar. 10; Sp. p. 2285; Dr. p. 495; Gaz. vol. 133; p. 411.
- Underwood, T. J., Sealy, Tex. Machine for making bats for mattresses, pillows, comforts, &c. No. 896,778; Aug. 25; Sp. p. 3988; Dr. p. 857; Gaz. vol. 135; p. 1616.
- Underwood, T. M., May, Tex. Sand-box. No. 885,110; Apr. 21; Sp. p. 2947; Dr. p. 625; Gaz. vol. 133; p. 1720.
- Underwood Typewriter Company. (See Barnard, W. E., assignor.)
- Underwood Typewriter Company. (See Birgfeld, W. E., assignor.)
- Underwood Typewriter Company. (See Doane, J. C., assignor.)
- Underwood Typewriter Company. (See Dunbar, E. C., assignor.)
- Underwood Typewriter Company. (See Fortin, B. P., assignor.)
- Underwood Typewriter Company. (See Gibbs, C., assignor.)
- Underwood Typewriter Company. (See Helmond, W. F., assignor.)
- Underwood Typewriter Company. (See Henry, H. K., assignor.)
- Underwood Typewriter Company. (See Hewitt, A. W., assignor.)
- Underwood Typewriter Company. (See Hutchinson, J., assignor.)
- Underwood Typewriter Company. (See Joerissen, C. A., assignor.)

Alphabetical list of patentees—Continued.

- Underwood Typewriter Company. (See Kelley, C. E., assignor.)
 Underwood Typewriter Company. (See Kunath, E. F., assignor.)
 Underwood Typewriter Company. (See McCormack, H. S., assignor.)
 Underwood Typewriter Company. (See McLaughlin, J. C., assignor.)
 Underwood Typewriter Company. (See McLean, G. A., assignor.)
 Underwood Typewriter Company. (See Orr, R. J., assignor.)
 Underwood Typewriter Company. (See Pfunder, E. L., assignor.)
 Underwood Typewriter Company. (See Ronchetti, J. A., assignor.)
 Underwood Typewriter Company. (See Sickles, F. W., assignor.)
 Underwood Typewriter Company. (See Smith, A. J., assignor.)
 Underwood Typewriter Company. (See Smith, S. T., Jr., assignor.)
 Underwood Typewriter Company. (See Wagner, F. X., assignor.)
 Underwood Typewriter Company. (See Wagner, H. L., assignor.)
 Underwood & Underwood. (See Osborne, A. E., assignor.)
 Ungemach, E. H., Denver, Colo. Sealing and opening device for cartons. No. 903,341; Nov. 10; Sp. p. 1614; Gaz. vol. 137; p. 295.
 Unger, I., Iron Mountain, Mich. Child's chair. (Reissue.) No. 12,879; Nov. 10; Sp. p. 2599; Gaz. vol. 137; p. 454.
 Unger, J., Louisville, Colo. Gravity plumb and level. No. 892,468; July 7; Sp. p. 151; Dr. p. 38; Gaz. vol. 135; p. 30.
 Unger, J., Louisville, Colo. Whiffletree attachment. No. 899,923; Sept. 23; Sp. p. 5334; Dr. p. 1139; Gaz. vol. 136; p. 994.
 Union Bag & Paper Co. (See Benner, L. D., assignor.)
 Union Bag & Paper Company. (See Dulin, C. E., assignor.)
 Union Bank. (See Bim, J., assignor.)
 Union Carbide Company. (See Price, E. F., assignor.)
 Union Carbide Company. (See Zander, J., assignor.)
 Union Lock Stitch Company. (See Cummings, H. H., assignor.)
 Union Manufacturing and Supply Company. (See Canfield, F., assignor.)
 Union Match Company. (See Robb, M. M., assignor.)
 Union Metal Post Company. (See McKenzie, A., assignor.)
 Union Metal Post Company. (See Numan, I. W., assignor.)
 Union Paper Bag Machine Company. (See Avery, T. M., assignor.)
 Union Paper Bag Machine Company. (See Lorenz, W. A., assignor.)
 Union Powder Company. (See Pierce, W. S., assignor.)
 Union Shoe Polishing Machine Company. (See Hammond, R. O., assignor.)
 Union Special Machine Company. (See Corey, D. W., assignor.)
 Union Special Machine Company. (See Dickson, W. E., assignor.)
 Union Special Machine Company. (See Scott, G., assignor.)
 Union Special Machine Company. (See Woodward, R. G., assignor.)
 Union Special Sewing Machine Co. (See Durand, E. F., assignor.)
 Union Special Sewing Machine Company. (See Foschinbaur, J. F., assignor.)
 Union Special Sewing Machine Company. (See Hayes and Berger, assignors.)
 Union Special Sewing Machine Company. (See Kramer, C. G., assignor.)
 Union Special Sewing Machine Company. (See Onderdonk, L., assignor.)
 Union Special Sewing Machine Company. (See Swift, W. L., assignor.)
 Union Special Sewing Machine Company. (See Woodward, R. G., assignor.)
 Union Steel Casting Company. (See Bennett, W. B., assignor.)
 Union Switch & Signal Company. (See Coe, E. R., assignor.)
 Union Switch & Signal Company. (See Coleman, J. P., assignor.)
 Union Switch and Signal Company. (See Cormick, J. H., assignor.)
 Union Switch & Signal Company. (See Holliday, J. S., assignor.)
 Union Switch and Signal Company. (See Howard, L. F., assignor.)
 Union Switch & Signal Company. (See Lay, C. H., assignor.)
 Union Switch & Signal Company. (See McCarthy, D. J., assignor.)
 Union Switch & Signal Company. (See Morrison, C. H., assignor.)
 Union Switch & Signal Company. (See Schreuder and Spicer, assignors.)
 Union Switch and Signal Company. (See Struble, J. B., assignor.)
 Union Switch & Signal Company. (See Struble and Coe, assignors.)
 Union Switch & Signal Company. (See Taylor, J. D., assignor.)
 Union Switch & Signal Company. (See Thullen, L. H., assignor.)
 Union Switch & Signal Company. (See Wallace, H. A., assignor.)
 Union Switch & Signal Company. (See Wilson, A. G., assignor.)
 Union Switch and Signal Company. (See Winsor, P., assignor.)
 Union Typewriter Company. (See Barney, E. E., assignor.)
 Union Typewriter Company. (See Brooks, B. A., assignor.)
 Union Typewriter Company. (See Felbel, J., assignor.)
 Union Typewriter Company. (See Gabrielson, C., assignor.)
 Union Typewriter Company. (See Hess, E. B., assignor.)
 Union Typewriter Company. (See Labofish, C. S., assignor.)
 Union Typewriter Company. (See Moorrees, H. P., assignor.)
 Union Typewriter Company. (See Oppenheim, J., assignor.)
 Union Typewriter Company. (See Pool, M. W., assignor.)
 Union Typewriter Company. (See Reed, T. J., assignor.)
 Union Typewriter Company. (See Sholes, Z. G., assignor.)
 Union Typewriter Company. (See Smith, C. E., assignor.)
 Union Typewriter Company. (See Steele, H. H., assignor.)
 Union Typewriter Company. (See Steiger, A. W., assignor.)
 Union Typewriter Company. (See Stickney, B. C., assignor.)
 Union Typewriter Company. (See Woodward, O., assignor.)
 Union Water Meter Company. (See Hiersing, O., assignor.)
 Unit Steel Cabinet Company. (See Walton, S. T., assignor.)
 United Bottle Machinery Co. (See Pierpont, F. H., assignor.)
 United Copper Foundry Company. (See Cole, A. L., assignor.)
 United Electric Signal Company. (See Wood, S. A., assignor.)
 United Engineering & Foundry Company. (See Biggert, F. C., Jr., assignor.)
 United Engineering & Foundry Company. (See Ellis, F. I., assignor.)
 United Engineering and Foundry Company. (See Gardner, K. C., assignor.)
 United Engineering & Foundry Company. (See McIlvried, E. J., assignor.)
 United Gas Improvement Company. (See Earnshaw, E. H., assignor.)
 United Injector Company. (See Park, W. R., assignor.)
 United Printing Machinery Company. (See Fletcher, K. B., assignor.)
 United Shirt & Collar Company. (See Dormandy, G. J., assignor.)
 United Shirt and Collar Company. (See Pine, J. K. P., assignor.)
 United Shoe Machinery Company. (See Allen, C. L., assignor.)
 United Shoe Machinery Company. (See Alley, F. L., assignor.)
 United Shoe Machinery Company. (See Ashton, O., assignor.)
 United Shoe Machinery Company. (See Bates, A., assignor.)
 United Shoe Machinery Company. (See Bayard, E., assignor.)
 United Shoe Machinery Company. (See Bond, W. A., assignor.)
 United Shoe Machinery Company. (See Briggs, T., assignor.)
 United Shoe Machinery Company. (See Carter, G. W., assignor.)
 United Shoe Machinery Company. (See Casgrain, L. A., assignor.)
 United Shoe Machinery Company. (See Courteau, L. J., assignor.)
 United Shoe Machinery Company. (See Currier, E. E., assignor.)
 United Shoe Machinery Company. (See Cutter, S. M., assignor.)
 United Shoe Machinery Company. (See Davey, J. F., assignor.)

Alphabetical list of patentees—Continued.

- United Shoe Machinery Company. (See Eaton, C. L., assignor.)
 United Shoe Machinery Company. (See Eaton and Goddu, assignors.)
 United Shoe Machinery Company. (See Elliott, A. D., assignor.)
 United Shoe Machinery Company. (See Field, S., assignor.)
 United Shoe Machinery Company. (See Frasier, W., assignor.)
 United Shoe Machinery Company. (See Freese, F. J., assignor.)
 United Shoe Machinery Company. (See Goddu, G., assignor.)
 United Shoe Machinery Company. (See Gordon, W., assignor.)
 United Shoe Machinery Company. (See Hadaway, J. B., assignor.)
 United Shoe Machinery Company. (See Haradon, M. E., assignor.)
 United Shoe Machinery Company. (See Keyes, E. L., assignor.)
 United Shoe Machinery Company. (See Krewson, S. A., assignor.)
 United Shoe Machinery Company. (See Kron, G., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Ladd, S. W., assignor.)
 United Shoe Machinery Company. (See Leland, S. D., assignor.)
 United Shoe Machinery Company. (See Lund, T., assignor.)
 United Shoe Machinery Company. (See Mayo, B. F., assignor.)
 United Shoe Machinery Company. (See McIsaac, J. T., assignor.)
 United Shoe Machinery Company. (See Nash, F. J., assignor.)
 United Shoe Machinery Company. (See Perry, F. H., assignor.)
 United Shoe Machinery Company. (See Pope, J. H., assignor.)
 United Shoe Machinery Company. (See Preston, A. F., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Shaw, L. H., assignor.)
 United Shoe Machinery Company. (See Small, C. C., assignor.)
 United Shoe Machinery Company. (See Taylor, W. H., assignor.)
 United Shoe Machinery Company. (See Webster, E. A., assignor.)
 United Shoe Machinery Company. (See Whiting, C. L., assignor.)
 United Shoe Machinery Company. (See Winkley, E. E., assignor.)
 United States Amusement Company. (See Hamilton and Swallender, assignors.)
 United States Automatic Vending Company. (See Dickie and Brown, assignors.)
 United States Cash Sales Company. (See Tucker, F. W., assignor.)
 United States Concrete Machine Co. (See Randall, J. A., assignor.)
 United States Consolidated Seeded Raisin Company. (See Hall, J., assignor.)
 United States Consolidated Seeded Raisin Company. (See Hutchinson and Hunt, assignors.)
 United States Dental Manufacturing Company. (See Korb and Hieber, assignors.)
 United States Distillation Company. (See Goss, W. F. M., assignor.)
 United States Duplex Rotary Engine Company. (See Stoehr and Gragert, assignors.)
 United States Electric Signal Company. (See Ruddick, J. J., assignor.)
 United States Envelope Co. (See Heywood and Travis, assignors.)
 United States Envelope Company. (See Metcalfe, W. S., assignor.)
 United States Envelope Company. (See Slater, W. D., assignor.)
 United States Envelope Company. (See Stimpson, E. B., assignor.)
 United States Envelope Company. (See Swift, W. E., assignor.)
 United States Envelope Company *et al.* (See West, J., assignor.)
 United States Fastener Company. (See Dowse, W. B. H., assignor.)
 United States Fastener Company. (See Holmes, G. A., assignor.)
 United States Fastener Company. (See Mattson, A. M., assignor.)
 United States Fastener Company. (See Mead, A. G., assignor.)
 United States Fastener Company. (See Richardson, W. S., assignor.)
 United States Fiber Leather Company. (See Barhoff, F. W., assignor.)
 United States Fireless Cooker Company. (See Howland, D. W., assignor.)
 United States Light & Heating Company. (See Moskowitz, M., assignor.)
 United States Marine Signal Company. (See Willson, T. L., assignor.)
 United States Metallic Packing Company. (See King, C. W. G., assignor.)
 United States Persian Carpet Company. (See Dalkranian, J. K., assignor.)
 United States Pneumatic Company. (See Burton, C. H., assignor.)
 United States Roller Bearing Company. (See Perkins, J. A., assignor.)
 United States Smelting, Refining, and Mining Company. (See Benedict, H. E., assignor.)
 United States Stamping Co. (See Kelly, T. A., assignor.)
 United States Wireless Printing Telegraph Company. (See Schaar, A. H. F., assignor.)
 United Store Service and Tube Company. (See Jennings, C. S., assignor.)
 United Store Service and Tube Company. (See Waterhouse, H. D., assignor.)
 United Traction Improvement Company. (See Harkness, C., assignor.)
 United Wireless Telegraph Company. (See Babcock, C. D., assignor.)
 Unitype Company. (See Linke, E. F., assignor.)
 Universal Automatic Carving Machine Co. (See Baase, H. C., assignor.)
 Universal Automatic Typecasting Machine Company. (See Nuernberger and Rettig, assignors.)
 Universal Bottle Wrapper Company. (See Legge, W. D., assignor.)
 Universal Bottle Wrapper Company. (See Legge and Weil, assignors.)
 Universal Box Machine Company. (See McRae and Canby, assignors.)
 Universal Caster & Foundry Company. (See Diss, A. B., assignor.)
 Universal Caster & Foundry Company. (See Neuberth, G. E., assignor.)
 Universal Horse Collar Fastener Company. (See Estes, W. B., assignor.)
 Universal Interchangeable Tooth Company. (See Eyslin, L. E., assignor.)
 Universal Lens Company. (See Kight, W. K., assignor.)
 Universal Produce Preservation Company. (See Hilaire, I., assignor.)
 Universal Railway Equipment Company. (See Gilleland, E. B., assignor.)
 Universal Railway Supply Company. (See Keiner, C. J. G., assignor.)
 Universal Safety Car Controller Co. (See Klopff, F. B., assignor.)
 Universal Salesman Co. (See Rast and Schrum, assignors.)
 Universal Salesman Co. (See Schrum, G. D., assignor.)
 Universal Talking Machine Manufacturing Company. (See Haug and Royal, assignors.)
 Unruh, A. A., Portland, Oreg. Shingle-gage. No. 885,705; Apr. 21; Sp. p. 4177; Dr. p. 875; Gaz. vol. 133; p. 1912.
 Unruh, C. von, Detmold, Germany. Photographic-plate holder. No. 891,304; June 23; Sp. p. 4289; Dr. p. 937; Gaz. vol. 134; p. 1836.
 Unruh, H. B., Great Bend, Kans. Railway-rail. No. 884,690; Apr. 14; Sp. p. 2099; Dr. p. 448; Gaz. vol. 133; p. 1554.
 Unruh, M. C. von, Charlottenburg, Germany, assignor to Sauerstoff-und Stickstoff-Industrie Hansmann & Co., Vienna, Austria-Hungary. Oxidation of methane. No. 891,753; June 23; Sp. p. 5216; Gaz. vol. 134; p. 1984.
 Unruh, S. C., St. Joseph, Mich. Sign. No. 898,077; Sept. 8; Sp. p. 1732; Dr. p. 364; Gaz. vol. 136; p. 303.
 Unrueberg, G. A., Karlsruhe-Mühlburg, Germany. Contact-breaker. No. 893,822; July 21; Sp. p. 3023; Dr. p. 618; Gaz. vol. 135; p. 534.
 Unverzagt, C. H. (See Hamlin, F. M., assignor.)
 Updegraff, D. D., Port Ewen, N. Y. Eyeglass-stud. No. 885,808; Apr. 28; Sp. p. 4411; Dr. p. 924; Gaz. vol. 133; p. 1976.
 Upham, B. F., assignor to Southgate Machinery Co., Boston, Mass. Bending printing-surfaces. No. 903,342; Nov. 10; Sp. p. 1614; Gaz. vol. 137; p. 296.
 Upham, B. F., assignor to Southgate Machinery Co., Boston, Mass. Bending printing-surfaces. No. 906,586; Dec. 15; Sp. p. 2847; Gaz. vol. 137; p. 1515.
 Uphus, A. J., assignor to American Wood Extract Company, Seattle, Wash. Dry-kiln. No. 890,944; June 16; Sp. p. 3568; Dr. pp. 778-9; Gaz. vol. 134; p. 1687.
 Uphus, A. J., Seattle, and N. J. Chapman, Everett, Wash. Drying and treating lumber. No. 903,635; Nov. 10; Sp. p. 2215; Gaz. vol. 137; p. 392.
 Upright, C. W., assignor of one-half to E. H. Rucker, Lewistown, Ill. Mixing-machine. No. 886,899; May 5; Sp. p. 1134; Dr. p. 237; Gaz. vol. 134; p. 185.
 Upson, C. H., Waterbury, Conn. Lacing-hook. No. 892,019; June 30; Sp. p. 5766; Dr. p. 1280; Gaz. vol. 134; p. 2103.

- Upson, M. M., New York, N. Y., assignor to Raymond Concrete Pile Company, Chicago, Ill. Concrete pile and forming the same. No. 803,246; Nov. 10; Sp. p. 1428; Gaz. vol. 137; p. 264.
- Upson, M. M., New York, N. Y., assignor to Raymond Concrete Pile Company, Chicago, Ill. Retaining-wall. No. 905,771; Dec. 1; Sp. p. 1303; Gaz. vol. 137; p. 1196.
- Urbain, E. (See Verley, Urbain, and Feige.)
- Urban, A. G., Johnstown, Pa. Folding square. No. 882,130; Mar. 17; Sp. p. 3289; Dr. p. 701; Gaz. vol. 133; p. 599.
- Urbanek, J., Schuyler, Neb. Rail-joint. No. 878,692; Feb. 11; Sp. p. 1698; Dr. p. 350; Gaz. vol. 132; p. 1146.
- Urbank, J. C., Minneapolis, Minn. Printer's furniture. No. 896,487; Aug. 18; Sp. p. 3408; Dr. p. 733; Gaz. vol. 135; p. 1500.
- Urbanski, S. J., South Chicago, Ill. Apparatus for raising sunken vessels. No. 889,493; June 2; Sp. p. 615; Dr. p. 144; Gaz. vol. 134; p. 1154.
- Urick, J. M., Ironton, Ohio. Sash-fastener. No. 883,593; Mar. 31; Sp. p. 6210; Dr. p. 1324; Gaz. vol. 133; p. 1137.
- Urquhart Brake Shoes & Brake Head Company. (See Urquhart, H. H., assignor.)
- Urquhart, H. H., assignor to Urquhart Brake Shoe & Brake Head Company, Paducah, Ky. Brake-shoe for locomotives. No. 877,748; Jan. 28; Sp. p. 4212; Dr. p. 912; Gaz. vol. 132; p. 774.
- Urquhart, J., Monterey, Cal. Fish-drying apparatus. No. 886,094; Apr. 28; Sp. p. 4999; Dr. p. 1052; Gaz. vol. 133; p. 2070.
- Urquhart, J. H., assignor to F. Stebler and A. A. Gamble, Riverside, Cal. Fruit separating or assorting machine. No. 888,130; May 19; Sp. p. 3618; Dr. pp. 758-9; Gaz. vol. 134; p. 647.
- Urschel, C. V., *et al.* (See Truman, C., assignor.)
- Urschel, J. W., *et al.* (See Truman, C., assignor.)
- Urtubees, A. J. (See Kane and Urtubees.)
- Usher, C. E. D., Johannesburg, Transvaal. Slimes treatment. No. 886,900; May 5; Sp. p. 1135; Dr. p. 238; Gaz. vol. 134; p. 185.
- Usina, E. A., East Orange, N. J., assignor to New York Leather Belting Company, New York, N. Y. Machine for making belts. No. 884,544; Apr. 14; Sp. p. 1776; Dr. pp. 381-2; Gaz. vol. 133; p. 1505.
- Utard, E., and A. Gimonet, assignors to H. & G. Klotz & Co., New York, N. Y. Machine for drying bottles. No. 901,757; Oct. 20; Sp. p. 3561; Dr. pp. 721-2; Gaz. vol. 136; p. 1689.
- Utica Drop Forge & Tool Company. (See Kellemen, H. F., assignor.)
- Utica Freezing Machine Company. (See Clark, G. H., assignor.)
- Utica Industrial Company. (See Graham, C. W., assignor.)
- Utgard, W., Theilman, Minn. Spoon-holding sugar-bowl. No. 899,357; Sept. 22; Sp. p. 4177; Dr. p. 894; Gaz. vol. 136; p. 775.
- Utschig, W. G., San Jose, Cal. Device for extracting matter from inflamed tissues. No. 901,567; Oct. 20; Sp. p. 3145; Dr. p. 642; Gaz. vol. 136; p. 1626.
- Utter, C., Lebanon, Ind. Razor-blade holder. No. 880,765; Mar. 3; Sp. p. 558; Dr. p. 118; Gaz. vol. 133; p. 97.
- Utz, H. B., College Hill, Ohio. Book-holder. No. 883,433; Mar. 31; Sp. p. 5903; Dr. p. 1259; Gaz. vol. 133; p. 1089.
- V. & O. Press Company. (See Osswald, H., assignor.)
- V. & W. Up-Hang Company. (See Van Nortwick, F. W., assignor.)
- Vacuum Cleaner Company. (See Kenney, D. T., assignor.)
- Vacuum and Compressor Company. (See Moughler, W. F., assignor.)
- Vacuum Engineering Company. (See Locke and Dunn, assignors.)
- Vacuum Process Company. (See Cutter, G. A., assignor.)
- Vadam, O., Paris, France. Air-pump for inflating pneumatic tires. No. 893,038; July 14; Sp. p. 1327; Dr. p. 279; Gaz. vol. 135; p. 246.
- Vader, L., Pittsfield, Mass. Hose-reel. No. 904,380; Nov. 17; Sp. p. 3777; Gaz. vol. 137; p. 673.
- Vahle, G., assignor of one-half to H. Grabe, Bielefeld, Germany. Machine for cutting vegetables. No. 889,276; June 2; Sp. p. 163; Dr. p. 40; Gaz. vol. 134; p. 1084.
- Vail, E. T., assignor, by mesne assignments, to International Vailograph Company, Minneapolis, Minn. Automatic vibrator for telegraph-keys. No. 893,115; July 14; Sp. p. 1474; Dr. p. 311; Gaz. vol. 135; p. 271.
- Vail, J. M., Bryan, Ohio. Rail-clamp. No. 900,328; Oct. 6; Sp. p. 546; Dr. p. 113; Gaz. vol. 136; p. 1157.
- Vail, J. M., Bryan, Ohio. Rail-clamp. No. 904,820; Nov. 24; Sp. p. 4714; Gaz. vol. 137; p. 847.
- Vail, R. W., New York, N. Y. Safety-envelop. No. 877,532; Jan. 28; Sp. p. 3785; Dr. p. 821; Gaz. vol. 132; p. 704.
- Vail, R. W., New York, N. Y. Safety-envelop. No. 877,533; Jan. 28; Sp. p. 3791; Dr. p. 821; Gaz. vol. 132; p. 705.
- Vail, W. L., Jr., Pantano, Ariz. Ter. Rail-fastening. No. 898,611; Sept. 15; Sp. p. 2761; Dr. p. 590; Gaz. vol. 136; p. 506.
- Vaile, J. H. (See Kimes, H. W., assignor.)
- Valbreuze, R. de, assignor to Société de Constructions de Véhicules Automobiles, Levallois-Perret, France. Gearing. No. 877,267; Jan. 21; Sp. p. 3269; Dr. p. 707; Gaz. vol. 132; p. 598.
- Valentine, A. L., assignor to Pratt & Whitney Company, Hartford, Conn. Cutter-holder. No. 898,395; Sept. 8; Sp. p. 2319; Dr. p. 493; Gaz. vol. 136; p. 403.
- Valentine, A. L., and C. G. Dahl, assignors to Pratt & Whitney Company, Hartford, Conn. Milling-cutter. No. 889,829; June 2; Sp. p. 1241; Dr. p. 287; Gaz. vol. 134; p. 1261.
- Valentine, G., Chicago, Ill. Closure for jars and other receptacles. No. 900,240; Oct. 6; Sp. p. 343; Dr. p. 72; Gaz. vol. 136; p. 1129.
- Valentine, G., Chicago, Ill. Spring-catch box-fastener. No. 900,241; Oct. 6; Sp. p. 344; Dr. p. 72; Gaz. vol. 136; p. 1129.
- Valentine, G. V., Chicago, Ill. Instrument for drafting garment-patterns. No. 887,890; May 19; Sp. p. 3169; Dr. p. 666; Gaz. vol. 134; p. 571.
- Valentine, J. F. (See Farman, W., assignor.)
- Valentine, N. F., Kansas City, Mo. Apparatus for transferring mail-bags from a moving train to a station. No. 901,219; Oct. 13; Sp. p. 2364; Dr. p. 484; Gaz. vol. 136; p. 1472.
- Valentine, R. S., Richmond, Va. Placket-closer. No. 904,027; Nov. 17; Sp. p. 3024; Gaz. vol. 137; p. 551.
- Valentine, W. D., Altadena, Cal., assignor to National Rapid Transit Company, Seattle, Wash. Monorailway system. No. 891,882; June 30; Sp. p. 5499; Dr. p. 1188; Gaz. vol. 134; p. 2060.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Ice-cream freezer. No. 882,032; Mar. 17; Sp. p. 3115; Dr. p. 662; Gaz. vol. 133; p. 567.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Ice-cream freezer. No. 883,064; Mar. 24; Sp. p. 5104; Dr. p. 1089; Gaz. vol. 133; p. 936.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Bottle-filler. No. 888,769; May 26; Sp. p. 4903; Dr. p. 1045; Gaz. vol. 134; p. 888.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Cased-bottle capper. No. 888,770; May 26; Sp. p. 4906; Dr. pp. 1045-6; Gaz. vol. 134; p. 888.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Bottle-case. No. 899,924; Sept. 29; Sp. p. 5335; Dr. p. 1140; Gaz. vol. 136; p. 994.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Ice-cream freezer. No. 899,925; Sept. 29; Sp. p. 5337; Dr. p. 1140; Gaz. vol. 136; p. 995.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Ice-cream freezer. No. 899,926; Sept. 29; Sp. p. 5340; Dr. p. 1140; Gaz. vol. 136; p. 995.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Cased-bottle-washing machine. No. 899,927; Sept. 29; Sp. p. 5343; Dr. pp. 1141-2; Gaz. vol. 136; p. 995.
- Valerius, T. L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Company, Chicago, Ill. Ice-cream freezer. No. 899,928; Sept. 29; Sp. p. 5352; Dr. pp. 1142-3; Gaz. vol. 136; p. 996.
- Valiant, G., assignor to M. Valiant, Toronto, Ontario, Canada. Ventilated shoe. No. 896,488; Aug. 18; Sp. p. 3409; Dr. p. 734; Gaz. vol. 135; p. 1500.
- Valiant, M. (See Valiant, G., assignor.)
- Valiquet, L. F., Newark, N. J., assignor, by mesne assignments, to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Feeding apparatus for talking-machines. No. 884,963; Apr. 14; Sp. p. 2645; Dr. p. 562; Gaz. vol. 133; p. 1640.
- Valiquette, J. and M., Cumming's Bridge, Ontario, Canada. Liquid-agitator. No. 890,315; June 9; Sp. p. 2281; Dr. p. 503; Gaz. vol. 134; p. 1449.
- Valiquette, M. (See Valiquette, J. and M.)
- Vallandingham, W. T., Oskaloosa, Iowa. Cork extractor. No. 883,988; Apr. 7; Sp. p. 654; Dr. p. 131; Gaz. vol. 133; p. 1296.
- Vallat, R., Paris, France. Distilling or rectifying column. No. 903,637; Nov. 10; Sp. p. 2217; Gaz. vol. 137; p. 392.
- Vallat, R., assignor to G. A. Pfizer, Paris, France. Distilling-column. No. 903,636; Nov. 10; Sp. p. 2217; Gaz. vol. 137; p. 392.
- Valley Iron Works. (See Cameron, P., assignor.)
- Vallez, H. A., Bay City, Mich. Pulp-drier. No. 905,252; Dec. 1; Sp. p. 252; Gaz. vol. 137; p. 1026.
- Valliant, R., Victory, Wis. Post-drill attachment. No. 896,601; Aug. 18; Sp. p. 3621; Dr. p. 777; Gaz. vol. 135; p. 1537.
- Valliere, P., Lawrence, Mass. Towel-rack. No. 891,305; June 23; Sp. p. 4290; Dr. p. 937; Gaz. vol. 134; p. 1836.
- Vallone, C., assignor to Barcalo Manfg. Co., Buffalo, N. Y. Bed-bottom. (Reissue.) No. 12,840; Aug. 4; Sp. p. 1269; Dr. p. 267; Gaz. vol. 135; p. 1106.
- Van Aller, T., Schenectady, N. Y. Pencil-sharpener. No. 892,335; June 30; Sp. p. 6369; Dr. p. 1373; Gaz. vol. 134; p. 2207.
- Van Antwerp, E., Dent, Minn. Advertising device. No. 880,254; Feb. 25; Sp. p. 4884; Dr. p. 1033; Gaz. vol. 132; p. 1728.

Alphabetical list of patentees—Continued.

- Van Arsdale, J. H., St. Louis, Mo., assignor to Luedinghaus-Espenschied Wagon Co. Dumping-wagon. No. 880,054; Feb. 25; Sp. p. 4483; Dr. p. 942; Gaz. vol. 132; p. 1662.
- Van Auken, B. E. (See Canfield and Van Auken.)
- Van Auken, B. E., Chicago, Ill. Valve for radiators. No. 895,517; Aug. 11; Sp. p. 1490; Dr. p. 315; Gaz. vol. 135; p. 1165.
- Van Auken, C. E., Bridgeport, Conn. Friction-clutch. No. 907,655; Dec. 22; Sp. p. 4988; Gaz. vol. 137; p. 1898.
- Van Auken, C. E., assignor to Van Auken Motor and Machine Works, Yonkers, N. Y. Clutch. No. 907,541; Dec. 22; Sp. p. 4714; Gaz. vol. 137; p. 1861.
- Van Auken Motor and Machine Works. (See Van Auken, C. E., assignor.)
- Van Beresteyn, H., Brussels, Belgium. Rotary motor. No. 878,100; Feb. 4; Sp. p. 416; Dr. p. 88; Gaz. vol. 132; p. 916.
- Van Berkel, W. A., Rotterdam, Netherlands. Grinding device for sharpening the rotary circular knives of meat-slicing machines and the like. No. 889,830; June 2; Sp. p. 1242; Dr. p. 287; Gaz. vol. 134; p. 1261.
- Van Berkel, W. A., Rotterdam, Netherlands. Slicing-machine. No. 895,213; Aug. 4; Sp. p. 881; Dr. p. 184; Gaz. vol. 135; p. 1041.
- Van Berkel, W. A., Rotterdam, Netherlands. Meat-slicing machine. No. 901,855; Oct. 20; Sp. p. 3741; Dr. p. 760-1; Gaz. vol. 136; p. 1719.
- Van Briggie, E., assignor to one-half to C. M. Brooker, Kokomo, Ind. Automatic electric signal system. No. 893,402; July 14; Sp. p. 2026; Dr. p. 425; Gaz. vol. 135; p. 365.
- Van Brocklin, W. A., Alden, N. Y. Display-case. No. 876,889; Jan. 14; Sp. p. 2439; Dr. p. 532; Gaz. vol. 132; p. 430.
- Van Broekhoven, J. J., Wycken, near Nymegen, Netherlands. Fire-escape. No. 887,550; May 12; Sp. p. 2486; Dr. p. 525; Gaz. vol. 134; p. 428.
- Van Brunt, C., Schenectady, N. Y., assignor to General Electric Company. Reduction-furnace. No. 903,922; Nov. 17; Sp. p. 2826; Gaz. vol. 137; p. 517.
- Van Buren, C. G., Provo, Utah. Binder for loose-leaf books. No. 890,541; June 9; Sp. p. 2694; Dr. p. 594; Gaz. vol. 134; p. 1521.
- Van Buren, D. C., Grangeville, Idaho. Pole-brace. No. 877,268; Jan. 21; Sp. p. 3270; Dr. p. 707-8; Gaz. vol. 132; p. 599.
- Van Buren, W. C., Chicago, Ill. Controlling device for motor-vehicles. No. 905,607; Dec. 1; Sp. p. 996; Gaz. vol. 137; p. 1143.
- Van Camp, E., Brookston, Ind. Cash-register. No. 906,969; Dec. 15; Sp. p. 3571; Gaz. vol. 137; p. 1636.
- Van Cise, W. M., Summit, N. J., and J. F. Chambers, Washington, D. C. Clamping and locking device. No. 881,975; Mar. 17; Sp. p. 2978; Dr. p. 634; Gaz. vol. 133; p. 549.
- Van Cleave, L. W., and G. O. Dewey, assignors to Buck's Stove and Range Company, St. Louis, Mo. Match-plate for forming parts of stoves. No. 896,489; Aug. 18; Sp. p. 3411; Dr. p. 734; Gaz. vol. 135; p. 1501.
- Van Cleave, L. W., and G. O. Dewey, assignors to Buck's Stove and Range Company, St. Louis, Mo. Hinged match-plate for flasks. No. 898,158; Sept. 8; Sp. p. 1888; Dr. p. 404; Gaz. vol. 136; p. 328.
- Van Cleve, G. T., *et al.* (See Waggoner, W. R., assignor.)
- Van Cleve, O. O., *et al.* (See Waggoner, W. R., assignor.)
- Van de Wiele, W. L., Yonkers, N. Y. Post-binder. No. 876,749; Jan. 14; Sp. p. 2171; Dr. p. 476; Gaz. vol. 132; p. 385.
- Van Decar, B., Syracuse, N. Y. Power-transmission mechanism. No. 890,107; June 9; Sp. p. 1820; Dr. p. 402-3; Gaz. vol. 134; p. 1381.
- Van Denbark, C., Lincoln, Nebr. Harness-trace. No. 877,683; Jan. 28; Sp. p. 4102; Dr. p. 887; Gaz. vol. 132; p. 754.
- Van Denburg, A. H. (See Farrington and Van Denburg.)
- Van der Boom, C., Platte, S. D. Extensible picture-frame. No. 908,170; Dec. 29; Sp. p. 6068; Gaz. vol. 137; p. 2099.
- Van der Heyden, E. (See Toporczek, A., assignor.)
- Van der Ploeg, J. P., Amsterdam, Netherlands. Manufacture of emulsions. No. 884,878; Apr. 14; Sp. p. 2482; Gaz. vol. 133; p. 1616.
- Van Deusen, C. H., Verona, Ill. Dumping-wagon. No. 898,533; Sept. 15; Sp. p. 2607; Dr. p. 556-7; Gaz. vol. 136; p. 480.
- Van Deventer, W. E., Star City, Mich. Umbrella-frame. No. 893,766; July 21; Sp. p. 2901; Dr. p. 595; Gaz. vol. 135; p. 515.
- Van Doren, A. J., Bunker Hill, Ind. Heating system. No. 904,381; Nov. 17; Sp. p. 3778; Gaz. vol. 137; p. 673.
- Van Doren, C. J., Yankton, S. D. Lubricating device. No. 890,735; June 16; Sp. p. 3148; Dr. p. 689; Gaz. vol. 134; p. 1618.
- Van Doren, W. H., Los Angeles, Cal. Garbage-incinerator. No. 895,129; Aug. 4; Sp. p. 707; Dr. p. 147; Gaz. vol. 135; p. 1012.
- Van Dorn Electric and Manufacturing Company. (See Hafemeister, W. C., assignor.)
- Van Dresen, G. W., assignor to J. N. Lanpher, Lowville, N. Y. Box-cover holder. No. 887,153; May 12; Sp. p. 1608; Dr. p. 341; Gaz. vol. 134; p. 296.
- Van Dusen, F. L. (See Millen and Van Dusen.)
- Van Duzee, W., Jackson, Minn. Device for tightening the fabric of bed-springs. No. 885,549; Apr. 21; Sp. p. 3873; Dr. p. 810; Gaz. vol. 133; p. 1862.
- Van Duzer, A., Eureka, Cal. Buckle. No. 881,976; Mar. 17; Sp. p. 2980; Dr. p. 635; Gaz. vol. 133; p. 549.
- Van Duzer, A., Loleta, Cal. Sash-fastener. No. 888,369; May 19; Sp. p. 4067; Dr. p. 857; Gaz. vol. 134; p. 724.
- Van Duzer, A., Loleta, Cal. Sash-fastener. No. 888,370; May 19; Sp. p. 4068; Dr. p. 857; Gaz. vol. 134; p. 724.
- Van Dyke, J., Kalamazoo, Mich. Gas-stove. No. 908,358; Dec. 29; Sp. p. 6474; Gaz. vol. 137; p. 2164.
- Van Dyne, J. R., Sedalia, Mo. Disinfecting apparatus. No. 893,208; July 14; Sp. p. 1664; Dr. p. 351; Gaz. vol. 135; p. 300.
- Van Erka, A. C., Chicago, Ill. Window-shade carrier. No. 901,398; Oct. 20; Sp. p. 2785; Dr. p. 566; Gaz. vol. 136; p. 1570.
- Van Fleet, F. W., Mount Blanchard, Ohio. Joint for screens and other frames. No. 905,772; Dec. 1; Sp. p. 1305; Gaz. vol. 137; p. 1197.
- Van Gundy, C. P., Catonsville, Md., assignor to Kennicott Water-Softener Company, Chicago, Ill. Water-purifying apparatus. No. 897,940; Sept. 8; Sp. p. 1449; Dr. p. 309; Gaz. vol. 136; p. 259.
- Van Halder, P. F., Sharon, Pa. Collapsible trestle. No. 889,494; June 2; Sp. p. 616; Dr. p. 144; Gaz. vol. 134; p. 1155.
- Van Haselen, P. H. (See Storm, J. H., Jr., assignor.)
- Van Hook, F. P., Normal, Ill. Concrete fence-post. No. 882,131; Mar. 17; Sp. p. 3291; Dr. p. 701; Gaz. vol. 133; p. 600.
- Van Horn, C. B., Philadelphia, Pa. Wheel. No. 877,617; Jan. 28; Sp. p. 3976; Dr. p. 859; Gaz. vol. 132; p. 732.
- Van Horn, C. B., Philadelphia, assignor to Guarantee Title and Trust Co., trustee, Pittsburg, Pa. Wheel. No. 888,673; May 26; Sp. p. 4720; Dr. p. 1004; Gaz. vol. 134; p. 858.
- Van Horn, C. F. (See Pike, C. F., assignor.)
- Van Horn, J., administrator. (See Munroe, P. H.)
- Van Horn, J. F., Philadelphia, Pa. Folding stand. No. 901,129; Oct. 13; Sp. p. 2214; Dr. p. 450; Gaz. vol. 136; p. 1444.
- Van Horn, W., Piqua, Ohio. Weather-strip. No. 876,850; Jan. 14; Sp. p. 2354; Dr. p. 516; Gaz. vol. 132; p. 416.
- Van Horn, W., Piqua, Ohio. Weather-strip. No. 881,361; Mar. 10; Sp. p. 1735; Dr. p. 373; Gaz. vol. 133; p. 321.
- Van Houten, F. H., assignor to Dutchess Tool Company, Fishkill-on-the-Hudson, N. Y. Draw-plate baking-oven. No. 878,434; Feb. 4; Sp. p. 1080; Dr. p. 220; Gaz. vol. 132; p. 1026.
- Van Houten, J. W., Amsterdam, Netherlands. Device for stretching the strings of musical instruments. No. 881,269; Mar. 10; Sp. p. 1547; Dr. p. 333; Gaz. vol. 133; p. 291.
- Van Huffel, I., Jr., Mishawaka, Ind. Indicating-sector for dividing-heads. No. 893,954; July 21; Sp. p. 3277; Dr. p. 674; Gaz. vol. 135; p. 576.
- Van Kannel Revolving Door Company. (See Ely, W. S., assignor.)
- Van Leir, H. W., Philadelphia, Pa., assignor to S. S. Wenzell Machine Company, Charleston, W. Va. Bottle-washing machine. No. 895,918; Aug. 11; Sp. p. 2278; Dr. p. 456-7; Gaz. vol. 135; p. 1293.
- Van Loan, I. S., New York, N. Y. Oil-cup. No. 885,893; Apr. 28; Sp. p. 4565; Dr. p. 957; Gaz. vol. 133; p. 2004.
- Van, M. (See Teasley and Van.)
- Van Matre, J., Paso Robles, Cal. Draft-equalizer. No. 878,027; Feb. 4; Sp. p. 279; Dr. p. 60; Gaz. vol. 132; p. 893.
- Van Meter, W. J. (See Dyer, H. G., assignor.)
- Van Ness, M. B., Welsh, La. Well tube and strainer. No. 882,359; Mar. 17; Sp. p. 3739; Dr. p. 795; Gaz. vol. 133; p. 673.
- Van Nest, J. F. (See Allen, J. G., assignor.)
- Van Nort, E. C., Jr., St. Louis, Mo. Carbon brush for commutators and preparing same. No. 875,750; Jan. 7; Sp. p. 139; Dr. p. 31; Gaz. vol. 132; p. 28.
- Van Nortwick, F. W., assignor to V. & W. Up-Hang Company, Cleveland, Ohio. Garment-hanger. No. 899,929; Sept. 29; Sp. p. 5363; Dr. p. 1143; Gaz. vol. 136; p. 996.
- Van Nostran, J. E., assignor to one-half to G. W. Shade, Canton, Ohio. Stop-cock. No. 877,875; Jan. 28; Sp. p. 4441; Dr. p. 968; Gaz. vol. 132; p. 814.
- Van Oosterwyck, J., Chénée, Belgium. Steam-generator. No. 879,502; Feb. 18; Sp. p. 3305; Dr. p. 691; Gaz. vol. 132; p. 1448.
- Van Orden, A. A., Galilee, Pa. Douche-protector. No. 877,618; Jan. 28; Sp. p. 3978; Dr. p. 859; Gaz. vol. 132; p. 733.
- Van Orden Corset Company. (See Van Orden, J. M., assignor.)
- Van Orden, F. L., *et al.* (See Fisher, J. C., assignor.)
- Van Orden, J. M., Cedar Grove, assignor to Van Orden Corset Company, Newark, N. J. Garment. No. 879,338; Feb. 18; Sp. p. 2949; Dr. p. 615; Gaz. vol. 132; p. 1394.
- Van Patten, H. S., Syracuse, N. Y. Cooking utensil. No. 904,382; Nov. 17; Sp. p. 3779; Gaz. vol. 137; p. 673.
- Van Pelt, J. B., Weldon, N. C. Safety-pocket. No. 893,403; July 14; Sp. p. 2029; Dr. p. 425; Gaz. vol. 135; p. 365.
- Van Raalte, Z., assignor to S. Oppenheimer & Levy, New York, N. Y. Ticket for net goods or veillings. No. 893,039; July 14; Sp. p. 1328; Dr. p. 279; Gaz. vol. 135; p. 247.

Alphabetical list of patentees—Continued.

- Van Rinsum, A. W., Altoona, Iowa. Tank-heater. No. 881,362; Mar. 10; Sp. p. 1736; Dr. p. 373; Gaz. vol. 133; p. 321.
- Van Sant, W. S., Oakland, Cal. Amusement device. No. 881,637; Mar. 10; Sp. p. 2287; Dr. pp. 495-6; Gaz. vol. 133; p. 411.
- Van Sickle, W. H., Philadelphia, Pa., assignor to Thos. H. Dallett Co. Pneumatic riveter. No. 890,108; June 9; Sp. p. 1823; Dr. p. 403; Gaz. vol. 134; p. 1381.
- Van Sicklen, M. H. (See Fry, J. E., assignor.)
- Van Slyke, A. C., Cresco, Iowa. Sweep-operated windlass. No. 902,701; Nov. 3; Sp. p. 336; Gaz. vol. 137; p. 56.
- Van Slyke, W. R., Eveleth, Minn. Type-writer platen. No. 888,556; May 26; Sp. p. 4466; Dr. p. 946; Gaz. vol. 134; p. 819.
- Van Stockum, A. J., Amsterdam, Netherlands. Steering apparatus for torpedoes. No. 882,982; Mar. 24; Sp. p. 4955; Dr. pp. 1054-5; Gaz. vol. 133; p. 911.
- Van Tassel, J. R., Geneva, N. Y. Mounting for eyeglasses. No. 881,506; Mar. 10; Sp. p. 2022; Dr. p. 441; Gaz. vol. 133; p. 367.
- Van Tassel, O., Bozeman, Mont. Gate. No. 879,701; Feb. 18; Sp. p. 3733; Dr. pp. 782-3; Gaz. vol. 132; p. 1513.
- Van Valkenburg, H. L., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for electric motors. No. 882,658; Mar. 24; Sp. p. 4306; Dr. p. 914; Gaz. vol. 133; p. 805.
- Van Valkenburg, H. L., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electrical control. No. 888,557; May 26; Sp. p. 4467; Dr. p. 946; Gaz. vol. 134; p. 819.
- Van Valkenburg, H. L., Norwood, Ohio, assignor to Bullock Electric Manufacturing Company. Rotary oil-switch. No. 891,306; June 23; Sp. p. 4291; Dr. pp. 937-8; Gaz. vol. 134; p. 1837.
- Van Valkenburg, H. L., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. System of distribution. No. 892,470; July 7; Sp. p. 153; Dr. p. 33; Gaz. vol. 135; p. 30.
- Van Valkenburg, H. L., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Arrangement of protective apparatus. No. 899,358; Sept. 22; Sp. p. 4178; Dr. p. 894; Gaz. vol. 136; p. 775.
- Van Valkenburg, L. D., Holyoke, Mass. Fountain-pen retainer. No. 886,095; Apr. 28; Sp. p. 5001; Dr. p. 1052; Gaz. vol. 133; p. 2071.
- Van Valkenburg, L. D., Holyoke, Mass. Garment-button. No. 900,134; Oct. 6; Sp. p. 132; Dr. p. 28; Gaz. vol. 136; p. 1094.
- Van Valkenburgh, A. L., Acampo, Cal. Plow. No. 894,921; Aug. 4; Sp. p. 279; Dr. p. 59; Gaz. vol. 135; p. 941.
- Van Valkenburgh, A. R. (See Gossick and Van Valkenburgh.)
- Van Vleck, E. A. (See Wiles, E. B., assignor.)
- Van Vleck, J., New York, N. Y. Elevator. No. 887,154; May 12; Sp. p. 1609; Dr. p. 342; Gaz. vol. 134; p. 296.
- Van Vleck, J. A., assignor of one-half to S. E. Van Vleck, Gallipolis, Ohio. Artificial tooth. No. 903,343; Nov. 10; Sp. p. 1616; Gaz. vol. 137; p. 296.
- Van Vleck, S. E. (See Van Vleck, J. A., assignor.)
- Van Vliet, H. B., Blackduck, Minn. Runner for children's carriages. No. 901,500; Oct. 20; Sp. p. 3019; Dr. p. 617; Gaz. vol. 136; p. 1604.
- Van Vliet, W. C., New York, N. Y. Stamp-affixing machine. No. 875,968; Jan. 7; Sp. p. 546; Dr. pp. 116-19; Gaz. vol. 132; p. 96.
- Van Voorhis, G. S., Brookline, Mass. Making bushings. No. 889,071; May 26; Sp. p. 5518; Dr. p. 1173; Gaz. vol. 134; p. 986.
- Van Wagner, E. B., Syracuse, N. Y. Casting apparatus. No. 900,802; Oct. 13; Sp. p. 1551; Dr. pp. 315-16; Gaz. vol. 136; p. 1339.
- Van Wagner, E. B., Syracuse, N. Y. Casting apparatus. No. 900,803; Oct. 13; Sp. p. 1556; Dr. p. 316; Gaz. vol. 136; p. 1340.
- Van Wagoner, C. H., Detroit, Mich. Water-tank. No. 907,920; Dec. 29; Sp. p. 5545; Gaz. vol. 137; p. 2015.
- Van Wart, W. H., *et al.* (See Reinhardt, J. H., assignor.)
- Van Wie, W., Oakland, Cal. Counterbalance-hoist. No. 893,678; July 21; Sp. p. 2639; Dr. p. 553; Gaz. vol. 135; p. 484.
- Van Wie, W., Oakland, Cal. Spring-hoist. No. 894,922; Aug. 4; Sp. p. 280; Dr. p. 59; Gaz. vol. 135; p. 941.
- Var Wie, W., East Oakland, Cal. Counterweight jib-crane. No. 906,587; Dec. 15; Sp. p. 2849; Gaz. vol. 137; p. 1516.
- Van Winkle, A., assignor to Hanson & Van Winkle Company, Newark, N. J. Electrolyte. No. 901,758; Oct. 20; Sp. p. 3564; Gaz. vol. 136; p. 1689.
- Van Winkle, A., and J. T. Daniels, Newark, N. J., assignors to Hanson & Van Winkle Company. Electroplating apparatus. No. 901,399; Oct. 20; Sp. p. 2786; Dr. pp. 567-8; Gaz. vol. 136; p. 1570.
- Van Winkle, A., and J. T. Daniels, Newark, N. J., assignors to Hanson & Van Winkle Company. Electroplating apparatus. No. 907,425; Dec. 22; Sp. p. 4497; Gaz. vol. 137; p. 1824.
- Van Winkle, A., and J. T. Daniels, Newark, N. J., assignors to Hanson & Van Winkle Company. Electroplating apparatus. No. 907,426; Dec. 22; Sp. p. 4501; Gaz. vol. 137; p. 1824.
- Van Winkle, K. R., Hillsboro, Iowa. Combined shucking-rack and fodder-binder. No. 884,879; Apr. 14; Sp. p. 2483; Dr. p. 523; Gaz. vol. 133; p. 1616.
- Van Woert, C. T., New York, N. Y. Spark-plug. No. 893,955; July 21; Sp. p. 3281; Dr. p. 675; Gaz. vol. 135; p. 576.
- Van Wyke, G. P., New York, N. Y. Vacuum bottle and casing. No. 889,992; June 9; Sp. p. 1594; Dr. p. 357; Gaz. vol. 134; p. 1342.
- Van Wythe, J. W., Hawarden, Iowa. Corn-crib. No. 900,618; Oct. 6; Sp. p. 1175; Dr. p. 240; Gaz. vol. 136; p. 1253.
- Van Zandt, E. G., St. Louis, Mo. Gas-burner. No. 876,507; Jan. 14; Sp. p. 1662; Dr. p. 361; Gaz. vol. 132; p. 304.
- Van Zandt, L. H., Fort Worth, assignor to Gates Safety Signal Board Attachment Company, Aubrey, Tex. Train-order signal. No. 905,120; Nov. 24; Sp. p. 5319; Gaz. vol. 137; p. 947.
- Van Zeck, F. (See Zeck and Van Zeck.)
- Vance, A. J., Chicago, Ill. Box. No. 902,700; Nov. 3; Sp. p. 334; Gaz. vol. 137; p. 56.
- Vance, C. E., Pittsburg, Pa. Steam-trap. No. 900,329; Oct. 6; Sp. p. 547; Dr. p. 113; Gaz. vol. 136; p. 1158.
- Vance, F. M., Geneva, N. Y. Eyeglasses. No. 881,833; Mar. 10; Sp. p. 2662; Dr. p. 570; Gaz. vol. 133; p. 473.
- Vance, H. E., Columbus, Ohio. Fireproof blind. No. 880,701; Mar. 3; Sp. p. 413; Dr. p. 89; Gaz. vol. 133; p. 74.
- Vance, H. W., Inkam, Idaho. Ironing-board. No. 904,736; Nov. 24; Sp. p. 4527; Gaz. vol. 137; p. 818.
- Vance, J. A., Columbus, Ohio. Compressed-air washing device. No. 898,612; Sept. 15; Sp. p. 2762; Dr. p. 590; Gaz. vol. 136; p. 506.
- Vance, O. E. (See Baker and Vance.)
- Vance, S., Slate Spring, Miss. Cotton-chopper. No. 894,353; July 28; Sp. p. 4139; Dr. p. 855; Gaz. vol. 135; p. 729.
- Vance, U. G., and R. Critser, Lapel, Ind. Invalid-bed. No. 896,179; Aug. 18; Sp. p. 2769; Dr. p. 597; Gaz. vol. 135; p. 1397.
- Vance, W. H., Denver, Colo. Amusement apparatus. No. 881,505; Mar. 10; Sp. p. 2019; Dr. pp. 440-1; Gaz. vol. 133; p. 367.
- Vance, W. H., San Francisco, Cal. Pleasure-car and track. No. 885,406; Apr. 21; Sp. p. 3587; Dr. p. 751; Gaz. vol. 133; p. 1819.
- Vandegrift, J., assignor of two-thirds to J. Hunter, North Catasaugua, Pa. Pulverizer. No. 895,917; Aug. 11; Sp. p. 2277; Dr. p. 486; Gaz. vol. 135; p. 1293.
- Vandegrift, T. F., and W. Johnston, Shelbyville, Ind. Shaft-coupling. No. 880,255; Feb. 25; Sp. p. 4886; Dr. p. 1033; Gaz. vol. 132; p. 1729.
- Vandenberg, E. (See Betts and Vandenberg.)
- Vanderbilt, H. M., Suffern, N. Y. Vehicle-brake. No. 887,551; May 12; Sp. p. 2488; Dr. p. 525; Gaz. vol. 134; p. 429.
- Vandercook, F. E., Waterbury, Conn. Chain-machine. No. 889,415; June 2; Sp. p. 449; Dr. pp. 106-8; Gaz. vol. 134; p. 1130.
- Vanderkleed, C. E. (See Turner and Vanderkleed.)
- Vanderkloot, M. R., Chicago, Ill., assignor, by mesne assignments, to Lackawanna Steel Company, New York, N. Y. Piling. No. 884,545; Apr. 14; Sp. p. 1779; Dr. p. 383; Gaz. vol. 133; p. 1506.
- Vandervort, C. L., Enderlin, N. D. Car-door. No. 880,766; Mar. 3; Sp. p. 561; Dr. pp. 118-19; Gaz. vol. 133; p. 97.
- Vandevort, F. F., Germantown, Pa., assignor of three-fourths to H. Japp, New York, J. Forgie, Richmond Hill, N. Y., and E. W. Moir, London, England. Making tunnel-segments. No. 892,469; July 7; Sp. p. 152; Dr. p. 33; Gaz. vol. 135; p. 30.
- Vandiver, J. W., *et al.* (See Vandiver, L. A., assignor.)
- Vandiver, L. A., Hannibal, assignor of one-half to J. W. Vandiver, Hagers Grove, Mo., and R. H. Visger, Chicago, Ill. Spurious-coin detector. No. 881,037; Mar. 3; Sp. p. 1088; Dr. p. 236; Gaz. vol. 133; p. 186.
- Vandiver, L. A., Hannibal, assignor of one-half to J. W. Vandiver, Hagers Grove, Mo., and R. H. Visger, Chicago, Ill. Coin-operated mechanism for vending-machines. No. 881,089; Mar. 3; Sp. p. 1191; Dr. p. 258; Gaz. vol. 133; p. 202.
- Vanduzen, E. W., Cincinnati, Ohio. Bell and alloy for same. No. 891,576; June 23; Sp. p. 4854; Dr. p. 1046; Gaz. vol. 134; p. 1925.
- Vanes, A. B., Uitenhage, Cape Colony. Letter-copying device. No. 882,063; Mar. 17; Sp. p. 3216; Dr. p. 683; Gaz. vol. 133; p. 585.
- Vaniman, M., Genevilliers, France. Aeroplane. No. 884,432; Apr. 14; Sp. p. 1538; Dr. p. 330; Gaz. vol. 133; p. 1469.
- Vankirk, I. C., Huffman, Nebr. Churn. No. 899,085; Sept. 22; Sp. p. 3632; Dr. p. 778; Gaz. vol. 136; p. 686.
- Vanness, J. T. (See O'Brian, H. R., assignor.)
- Vannette, J., assignor of one-half to C. J. and G. S. Yingling, Tiffin, Ohio. Under-thread mechanism for sewing-machines. No. 875,751; Jan. 7; Sp. p. 140; Dr. pp. 31-3; Gaz. vol. 132; p. 28.
- Vanskike, G. (See Hettrich, J., assignor.)
- Vanvactor, D. E., Plymouth, Ind. Staved wooden structure and constructing it. No. 877,534; Jan. 28; Sp. p. 3795; Dr. p. 822; Gaz. vol. 132; p. 705.
- Vapor Heating Company. (See Broomell, A. P., assignor.)
- Vardeman, C. B. (See Vardeman, R. W., and C. B.)
- Vardeman, R. W., and C. B., Marshall, Mo. Counter. No. 888,944; May 26; Sp. p. 5299; Dr. p. 1124; Gaz. vol. 134; p. 946.
- Varder, H., Baltimore, Md. Music-leaf turner. No. 886,096; Apr. 28; Sp. p. 5002; Dr. pp. 1052-3; Gaz. vol. 133; p. 2071.
- Vargyas, E. J., assignor of one-fourth to B. Semsey, New York, N. Y. Portable fare and ticket receptacle. No. 906,855; Dec. 15; Sp. p. 3318; Gaz. vol. 137; p. 1594.

Alphabetical list of patentees—Continued.

- Varley Duplex Magnet Company. (See Varley, R., assignor.)
 Varley, J., Jamestown, N. Y., Loom-shuttle. No. 879,427; Feb. 18; Sp. p. 3156; Dr. p. 656; Gaz. vol. 132; p. 1424.
 Varley, R. Englewood, N. J., assignor to Autocoil Company. Induction-coil. No. 878,435; Feb. 4; Sp. p. 1081; Dr. p. 220; Gaz. vol. 132; p. 1026.
 Varley, R., Englewood, N. J., assignor to Autocoil Company. Ignition system for explosion-engines. No. 835,894; Apr. 28; Sp. p. 4567; Dr. p. 953; Gaz. vol. 133; p. 2004.
 Varley, R., Englewood, N. J., assignor to Autocoil Company. Ignition system for explosion-engines. No. 902,782; Nov. 3; Sp. p. 477; Gaz. vol. 137; p. 84.
 Varley, R., Englewood, N. J., assignor to Autocoil Company. Ignition system for explosion-engines. No. 902,783; Nov. 3; Sp. p. 480; Gaz. vol. 137; p. 84.
 Varley, R., Englewood, N. J., assignor to Varley Duplex Magnet Company. Coil-box switch for ignition systems. No. 891,017; June 10; Sp. p. 3725; Dr. p. 813; Gaz. vol. 134; p. 1712.
 Varley, R., Englewood, N. J., assignor to Varley Duplex Magnet Company. Ignition system for explosion-engines. No. 899,770; Sept. 29; Sp. p. 5017; Dr. p. 1075; Gaz. vol. 136; p. 945.
 Varnadore, C., Kinard, Fla. Sap-cup support. No. 884,055; Apr. 7; Sp. p. 780; Dr. p. 163; Gaz. vol. 133; p. 1318.
 Varney, C. F., New York, N. Y. Reinforced bar for concrete. No. 881,834; Mar. 10; Sp. p. 2663; Dr. p. 570; Gaz. vol. 133; p. 473.
 Varnum, C. E. Lawrence, Kans. Heater. No. 898,613; Sept. 15; Sp. p. 2763; Dr. p. 590; Gaz. vol. 136; p. 506.
 Varnum, J. E., Eldon, Iowa. Crupper-fastener for harness. No. 899,576; Sept. 29; Sp. p. 4612; Dr. p. 991; Gaz. vol. 136; p. 883.
 Vasaly, S. J., Little Falls, Minn. Fruit-jar cover. No. 895,317; Aug. 4; Sp. p. 1099; Dr. p. 230; Gaz. vol. 135; p. 1076.
 Vasbinder, L. (See Brown, O. E., assignor.)
 Vasey, J., Emeryville, Cal. Combination hay-bale hook and wire cutter. No. 877,619; Jan. 28; Sp. p. 3979; Dr. p. 859; Gaz. vol. 132; p. 733.
 Vauclain, S. M., assignor to Firm of Burnham, Williams & Company, Philadelphia, Pa. Pedestal-gib for axle-boxes. No. 908,359; Dec. 29; Sp. p. 6475; Gaz. vol. 137; p. 2164.
 Vaudreuil, E. J., Two Rivers, Wis. Separator. No. 882,084; Mar. 17; Sp. p. 3217; Dr. p. 683; Gaz. vol. 133; p. 585.
 Vaudreuil, E. J., Two Rivers, Wis. Blanching apparatus. No. 886,097; Apr. 28; Sp. p. 5004; Dr. p. 1053; Gaz. vol. 133; p. 2071.
 Vaughan, A. S., Mattapoisett, Mass. Blacking-brush. No. 887,155; May 12; Sp. p. 1612; Dr. p. 342; Gaz. vol. 134; p. 296.
 Vaughan, D. F., Haddonfield, N. J. Anticreeping device for railway-rails. No. 897,037; Aug. 25; Sp. p. 4575; Dr. p. 976; Gaz. vol. 135; p. 1703.
 Vaughan, D. F. and D. L., Haddonfield, N. J.; said D. F. Vaughan assignor to said D. L. Vaughan. Anticreeping device for railway-rails. No. 897,038; Aug. 25; Sp. p. 4577; Dr. p. 976; Gaz. vol. 135; p. 1704.
 Vaughan, D. L. (See Vaughan, D. F. and D. L.)
 Vaughan, H. H. (See Harcourt, R., assignor.)
 Vaughan, H. H. (See Horsey and Vaughan.)
 Vaughan, H. L., assignor of one-half to A. Eddie, El Paso, Tex. Fiber-cleaning machine. No. 887,891; May 19; Sp. p. 3171; Dr. p. 667; Gaz. vol. 134; p. 571.
 Vaughan, J., Ashland, Va. Core for concrete structures. No. 891,883; June 30; Sp. p. 5501; Dr. p. 1188; Gaz. vol. 134; p. 2060.
 Vaughan, J. A., and W. M. Epton, Johannesburg, Transvaal, assignor to G. Craddock, Bolton Lodge, Bolton Percy, county of York, England. Machine for testing ropes. No. 889,993; June 9; Sp. p. 1596; Dr. p. 358; Gaz. vol. 134; p. 1342.
 Vaughan, J. W., and W. C. Bryan, Granite, Okla. Burglar-proof safe-jacket. No. 888,052; May 19; Sp. p. 3473; Dr. pp. 727-8; Gaz. vol. 134; p. 623.
 Vaughan, L., assignor of one-half to W. R. Waggener, Blair, Nebr. Former for powder-packets. No. 896,180; Aug. 18; Sp. p. 2771; Dr. p. 597; Gaz. vol. 135; p. 1398.
 Vaughan, R., Pittsburg, Pa. Cooking utensil. No. 903,803; Nov. 10; Sp. p. 2540; Gaz. vol. 137; p. 444.
 Vaughan, R., New York, N. Y., and E. O. Nicholls, Lisbon, Ohio. Cover for cooking vessels. No. 890,203; June 9; Sp. p. 2022; Dr. p. 445; Gaz. vol. 134; p. 1413.
 Vaughn, A. W., Adel, Iowa. Printing-press. No. 885,895; Apr. 28; Sp. p. 4570; Dr. p. 958; Gaz. vol. 133; p. 2005.
 Vaughn, B. A., Corning, assignor of one-half to R. Madsen, Oakland, Cal. Carpenter's gage. No. 892,780; July 7; Sp. p. 759; Dr. p. 160; Gaz. vol. 135; p. 131.
 Vaughn, F. S., Quincy, Ill. Compound motive system. No. 905,959; Dec. 8; Sp. p. 1661; Gaz. vol. 137; p. 1286.
 Vaughn, M. E., Plainfield, Ind. Variable-speed driving mechanism. No. 900,450; Oct. 6; Sp. p. 813; Dr. p. 167; Gaz. vol. 136; p. 1198.
 Vaught, J. C. H., Lead, S. D. Cam. No. 878,755; Feb. 11; Sp. p. 1822; Dr. p. 377; Gaz. vol. 132; p. 1167.
 Vavra, F. P., Chicago, Ill. Caramel-tray. No. 905,027; Nov. 24; Sp. p. 5140; Gaz. vol. 137; p. 916.
 Vavruska, J. J., Cleveland, Ohio. Vegetable-slicing machine. No. 878,436; Feb. 4; Sp. p. 1084; Dr. p. 221; Gaz. vol. 132; p. 1027.
 Vavruska, J. J., Cleveland, Ohio. Vegetable-slicing machine. No. 905,960; Dec. 8; Sp. p. 1664; Gaz. vol. 137; p. 1287.
 Vawter, C. E., Jr., Blacksburg, Va. Power-meter. No. 891,018; June 16; Sp. p. 3726; Dr. p. 813; Gaz. vol. 134; p. 1712.
 Vearing, F. C., Cincinnati, Ohio. Gas-burner. No. 880,112; Feb. 25; Sp. p. 4581; Dr. p. 965; Gaz. vol. 132; p. 1680.
 Vearing, W. W., Philadelphia, Pa. Bowling-alley. No. 882,551; Mar. 24; Sp. p. 4702; Dr. p. 999; Gaz. vol. 133; p. 868.
 Vearing, W. W., Philadelphia, Pa. Ball-stop for bowling-alleys. No. 886,556; May 5; Sp. p. 422; Dr. p. 90; Gaz. vol. 134; p. 77.
 Vecchio, L., New York, N. Y. Mail-wrapper. No. 889,347; June 2; Sp. p. 299; Dr. pp. 70-1; Gaz. vol. 134; p. 1107.
 Veck, R., Algenrodt, Germany. Wire lever-lock for bottles and glasses. No. 887,293; May 12; Sp. p. 1953; Dr. p. 410; Gaz. vol. 134; p. 343.
 Vehicle Apron & Hood Company. (See Brock, F. C., assignor.)
 Veibell, P. M. (See Talmadge and Veibell.)
 Veil, E. A. O., Paris, France. Furnace for effecting fusion for refining. No. 895,519; Aug. 11; Sp. p. 1494; Dr. pp. 315-16; Gaz. vol. 135; p. 1166.
 Veilleux, L. (See Henner and Veilleux.)
 Veitch, L. W., Des Moines, Iowa. Coal-mining machine. No. 900,003; Sept. 29; Sp. p. 5519; Dr. p. 1176; Gaz. vol. 136; p. 1020.
 Veitch, T., New York, N. Y., assignor to International Patent Corporation, Jersey City, N. J. Ore-separating apparatus. No. 880,430; Feb. 25; Sp. p. 5239; Dr. p. 1102; Gaz. vol. 132; p. 1786.
 Veitch, T., New York, N. Y., assignor to International Patent Corporation, Jersey City, N. J. Internal-combustion engine. No. 882,221; Mar. 17; Sp. p. 3467; Dr. p. 738; Gaz. vol. 133; p. 627.
 Veitch, T., Dumont, assignor to International Patent Corporation, Jersey City, N. J. Shock-absorber. No. 907,427; Dec. 22; Sp. p. 4503; Gaz. vol. 137; p. 1825.
 Vejrosta, F., Silver Lake, Minn. Hoeing implement. No. 892,968; July 7; Sp. p. 1158; Dr. p. 244; Gaz. vol. 135; p. 195.
 Velasko, A. G., Syracuse, N. Y. Combination sleeping-garment. No. 904,383; Nov. 17; Sp. p. 3781; Gaz. vol. 137; p. 674.
 Velguth, A. E. (See Pfunder and Velguth.)
 Vellumoid Paper Company. (See Rice, A. C., assignor.)
 Velox Manufacturing Company. (See Belknap, C. A., assignor.)
 Velox Manufacturing Company. (See Bolger, R. S., assignor.)
 Venable, J. G., Sr., Mahomet, Ill. Spring bed-bottom. No. 888,276; May 19; Sp. p. 3886; Dr. p. 819; Gaz. vol. 134; p. 696.
 Venclos Company. (See Rollins, C. H., assignor.)
 Vending Showcase Company. (See Nicholes and Jones, assignors.)
 Veneer Machinery Company. (See Boenning, W. M., assignor.)
 Veneer Machinery Company. (See Dennis, A. A., assignor.)
 Venner, J. B. E., Milwaukee, Wis. Wood filler and primer compound and producing the same. No. 893,287; July 14; Sp. p. 1821; Gaz. vol. 135; p. 323.
 Venner, R. F. S., and R. C. Griesbach, London, England. Electric time-switch. No. 876,416; Jan. 14; Sp. p. 1465; Dr. pp. 314-15; Gaz. vol. 132; p. 271.
 Venner, W. N., Brockley, England. Apparatus for machining helical surfaces, such as those of propellers and propeller-blades. No. 900,804; Oct. 13; Sp. p. 1563; Dr. pp. 316-17; Gaz. vol. 136; p. 1341.
 Veno, J., Winnipeg, Manitoba, Canada. Tonges. No. 887,552; May 12; Sp. p. 2489; Dr. p. 526; Gaz. vol. 134; p. 429.
 Ventilated Cushion and Spring Company. (See Smith, W. R., assignor.)
 Ventilating Shoe Tree Co. (See Post, T. W., assignor.)
 Ventosa y Ventosa, J., et al. (See Vidal y Diaz, J., assignor.)
 Venus Manufacturing Company et al. (See Siner, J. M., assignor.)
 Vercoutere, L., Lebanon, Mo. Shade. No. 905,608; Dec. 1; Sp. p. 998; Gaz. vol. 137; p. 1143.
 "Vereinigete Chemische Werke Actiengesellschaft." (See Lüdecke, K., assignor.)
 Vereinigte Chininfabriken Zimmer & Co., Gesellschaft mit beschränkter Haftung. (See Sprüngerts, E., assignor.)
 Vereinigte Uhrenfabriken von Gebrüder Junghans & Thomas Haller, A. G., Firm of. (See Wiost, G. A., assignor.)
 Verley, A., Paris, and E. Urbain and A. Feige, Gentilly, France. Manufacture of camphol esters. No. 907,428; Dec. 22; Sp. p. 4505; Gaz. vol. 137; p. 1825.

Alphabetical list of patentees—Continued.

- Verley, A., Paris, and E. Urbain and A. Feige, Gentilly, France. Oxidizing camphol for the making of camphor. No. 908,171; Dec. 29; Sp. p. 6070; Gaz. vol. 137; p. 2099.
- Vermillion, C. F., Foraker, Ohio. Cultivator. No. 895,214; Aug. 4; Sp. p. 883; Dr. p. 185; Gaz. vol. 135; p. 1041.
- Vermilyea, A., *et al.* (See Lang, F., assignor.)
- Vermilyea, E., and R. Hammersley, Waterford, N. Y. Fabric. No. 876,750; Jan. 14; Sp. p. 2172; Dr. p. 477; Gaz. vol. 132; p. 385.
- Vermont Farm Machine Company. (See Kimball, P. L., assignor.)
- Verna, L., Philadelphia, Pa. Drying-room. No. 891,019; June 16; Sp. p. 3730; Dr. p. 814; Gaz. vol. 134; p. 1713.
- Vernal, E. A. (See Rabedew and Vernal.)
- Verney, W. C., Mason City, Iowa. Pneumatic chest for pipe-organs. No. 879,503; Feb. 18; Sp. p. 3307; Dr. p. 692; Gaz. vol. 132; p. 1448.
- Vernon, A., assignor to J. H. Vernon, Tekoa, Wash. Gate. No. 908,360; Dec. 29; Sp. p. 6476; Gaz. vol. 137; p. 2165.
- Vernon, J. H. (See Vernon, A., assignor.)
- Vero, E. (See Wilhelm and Vero.)
- Veroform Hygienic Company. (See Stevens, F. M., assignor.)
- Verona Chemical Company. (See Wack, A., assignor.)
- Veronneau, L. H., dit Vernon, Viauville, near Montreal, Quebec, assignor of one-half to H. U. Beck, Montreal, Canada. Floor-dressing apparatus. No. 884,433; Apr. 14; Sp. p. 1539; Dr. pp. 330-1; Gaz. vol. 133; p. 1469.
- Verplanck, H. M. (See Gier and Verplanck.)
- Verplanck, H. M., assignor to Lansing Wheelbarrow Company, Lansing, Mich. Mold. No. 896,181; Aug. 18; Sp. p. 2772; Dr. p. 597; Gaz. vol. 135; p. 1398.
- Verplanck, H. M., assignor to Lansing Wheelbarrow Company, Lansing, Mich. Wheel. No. 901,568; Oct. 20; Sp. p. 3146; Dr. p. 643; Gaz. vol. 136; p. 1626.
- Verplast, F., Boston, Mass. Weighing-machine. No. 878,915; Feb. 11; Sp. p. 2132; Dr. pp. 444-5; Gaz. vol. 132; p. 1217.
- Verplast, F., Boston, Mass. Coin-controlled weighing-machine. No. 906,755; Dec. 15; Sp. p. 3174; Gaz. vol. 137; p. 1569.
- Verrill, C. F., Grand Rapids, Mich. Dust-collector. No. 885,206; Apr. 21; Sp. p. 3182; Dr. pp. 665-6; Gaz. vol. 133; p. 1753.
- Verrill, E. C. (See Crosby, R. A., assignor.)
- Vertriebscentrale für Haushaltsartikel (Triebert & Wessel) G. M. B. H. (See Wessel, A., assignor.)
- Vervoort, E. L., Apeldoorn, Netherlands. Rotating internal-combustion engine. No. 886,279; Apr. 28; Sp. p. 5338; Dr. p. 1123; Gaz. vol. 133; p. 2152.
- Vessot, C. H., and F. Cornu, Ottawa, Ontario, Canada. Bow-facing oar. No. 904,577; Nov. 24; Sp. p. 4204; Gaz. vol. 137; p. 765.
- Vessot, S., Joliette, Quebec, Canada. Grain-mill. No. 878,693; Feb. 11; Sp. p. 1699; Dr. pp. 351-2; Gaz. vol. 132; p. 1146.
- Vest, E. W., Tacoma, Wash. Water-heating attachment for ranges, &c. No. 882,541; Mar. 17; Sp. p. 4072; Dr. p. 826; Gaz. vol. 133; p. 734.
- Vest, E. W., Mulberry Grove, Ill. Latch. No. 901,501; Oct. 20; Sp. p. 3021; Dr. p. 617; Gaz. vol. 136; p. 1604.
- Vest, T. T., Richmond, Va. Sanding device. No. 892,198; June 30; Sp. p. 6114; Dr. pp. 1314-15; Gaz. vol. 134; p. 2162.
- Vetter Desk Works. (See Zimmerli, C., assignor.)
- Vetter, L. F. (See Levy, F., assignor.)
- Via, H. W., South Boston, Va. Plow. No. 884,113; Apr. 7; Sp. p. 927; Dr. pp. 194-5; Gaz. vol. 133; p. 1337.
- Vial, F. K., La Grange, Ill. Car-wheel. No. 904,162; Nov. 17; Sp. p. 3317; Gaz. vol. 137; p. 599.
- Vial, H. C., Bourgoin, Isère, France. Rotative rubbing device. No. 908,172; Dec. 29; Sp. p. 6071; Gaz. vol. 137; p. 2099.
- Viascope Manufacturing Company. (See Pink, J. J., assignor.)
- Vibber, W. H., assignor to Gillette-Vibber Co., New London, Conn. Electric-installation outlet-box. No. 877,684; Jan. 28; Sp. p. 4103; Dr. p. 887; Gaz. vol. 132; p. 754.
- Vibber, W. H., assignor to Gillette-Vibber Co., New London, Conn. Conduit-cap for electric installation. No. 897,683; Sept. 1; Sp. p. 894; Dr. p. 191; Gaz. vol. 136; p. 143.
- Vibber, W. H., assignor to Gillette-Vibber Co., New London, Conn. Grounding-clamp for electric wires. No. 899,636; Sept. 29; Sp. p. 4749; Dr. p. 1016; Gaz. vol. 136; p. 902.
- Vibber, W. H., assignor to Gillette-Vibber Co., New London, Conn. Electric-installation molding-box. No. 899,637; Sept. 29; Sp. p. 4750; Dr. p. 1016; Gaz. vol. 136; p. 902.
- Vibber, W. H., assignor to Gillette-Vibber Co., New London, Conn. Combined bushing and coupling for electric installation. No. 899,638; Sept. 29; Sp. p. 4751; Dr. p. 1017; Gaz. vol. 136; p. 902.
- Vibber, W. H., assignor of one-half to Gillette-Vibber Co., New London, Conn. Box-connector for electric installation. No. 899,639; Sept. 29; Sp. p. 4752; Dr. p. 1017; Gaz. vol. 136; p. 902.
- Vibber, W. H., assignor of one-half to Gillette-Vibber Co., New London, Conn. Grounding-clamp for electric wires. No. 905,773; Dec. 1; Sp. p. 1306; Gaz. vol. 137; p. 1197.
- Vick, R. M., Alliance, Ohio. Credit-cabinet. No. 890,109; June 9; Sp. p. 1825; Dr. p. 403; Gaz. vol. 134; p. 1382.
- Vick, R. M., Alliance, Ohio. File-clip. No. 894,354; July 28; Sp. p. 4140; Dr. p. 855; Gaz. vol. 135; p. 729.
- Vickers, E. J., New Philadelphia, Ohio. Account-file. No. 881,363; Mar. 10; Sp. p. 1737; Dr. p. 374; Gaz. vol. 133; p. 322.
- Vickers, J. J., Leesburg, Tex. Insect-destroyer. No. 892,781; July 7; Sp. p. 761; Dr. p. 161; Gaz. vol. 135; p. 131.
- Vickers, J. W., London, England. Photographic-printing apparatus. No. 884,056; Apr. 7; Sp. p. 780; Dr. p. 163; Gaz. vol. 133; p. 1318.
- Vickers Sons & Maxim. (See Dawson and Buckham, assignors.)
- Vickers Sons & Maxim. (See Dawson and Buckham, assignors.) (Reissue.)
- Vickers Sons & Maxim. (See Dawson and Horne, assignors.)
- Vickers Sons & Maxim. (See Salmon and Creffield, assignors.)
- Vickery, F. W., Bushey, England. Feeding mechanism for printing, ruling, and like machines. No. 886,901; May 5; Sp. p. 1136; Dr. p. 238; Gaz. vol. 134; p. 186.
- Vicksell, J. V., Mediapolis, Iowa. Lifting and lowering apparatus. No. 894,923; Aug. 4; Sp. p. 280; Dr. p. 59; Gaz. vol. 135; p. 942.
- Victor, A. F., Elmira, N. Y., assignor to White Lily Washer Company, Davenport, Iowa. Gearing for washing-machines. No. 887,022; May 5; Sp. p. 1356; Dr. p. 288; Gaz. vol. 134; p. 225.
- Victor, A. F., Elmira, N. Y., assignor to White Lily Washer Company, Davenport, Iowa. Gearing for washing-machines. No. 895,518; Aug. 11; Sp. p. 1492; Dr. p. 315; Gaz. vol. 135; p. 1165.
- Victor, A. F., Elmira, N. Y., assignor to White Lily Washer Company, Davenport, Iowa. Gearing for washing-machines. No. 896,960; Aug. 25; Sp. p. 4415; Dr. p. 943; Gaz. vol. 135; p. 1677.
- Victor Electric Company. (See Wantz, J. B., assignor.)
- Victor Mangle Company. (See Langworthy, J. S., assignor.)
- Victor Safe & Lock Company. (See Aebi, C. J., assignor.)
- Victor Safe & Lock Company. (See Arnold, W. E., assignor.)
- Victor Safe & Lock Company. (See Hattersley, G. A., assignor.)
- Victor Safe & Lock Company. (See Rodler, F. W., assignor.)
- Victor Safe & Lock Company. (See Spivey, T. S., assignor.)
- Victor Talking Machine Company. (See Cheney, G. K., assignor.)
- Victor Talking Machine Company. (See Dennison, W. N., assignor.)
- Victor Talking Machine Company. (See Douglass, L. F., assignor.)
- Victor Talking Machine Company. (See English, J. C., assignor.)
- Victor Talking Machine Company. (See Gleason, E. D., assignor.)
- Victor Talking Machine Company. (See Hood, D. J., assignor.)
- Victor Talking Machine Company. (See Johnson, E. R., assignor.)
- Vidal, J. B., *et al.* (See Vidal y Diaz, J., assignor.)
- Vidal, J. C., *et al.* (See Vidal y Diaz, J., assignor.)
- Vidal Typewriter Company. (See Sorensen, C. M., assignor.)
- Vidal y Diaz, J., Habana, Cuba, assignor to J. Ventosa y Ventosa, himself, and J. B. and J. C. Vidal, New York, N. Y. Attachment for key-operated machines. No. 903,031; Nov. 3; Sp. p. 1009; Gaz. vol. 137; p. 165.
- Vidina, J., Chicago, Ill. Thread-intercutting tool. No. 907,921; Dec. 29; Sp. p. 5546; Gaz. vol. 137; p. 2015.
- Viel, E., Rennes, France. Obtaining metals and alloys by reduction. No. 883,594; Mar. 31; Sp. p. 6211; Dr. p. 1324; Gaz. vol. 133; p. 1137.
- Viel, E., Rennes, France. Apparatus for obtaining metals and alloys. No. 883,595; Mar. 31; Sp. p. 6213; Dr. p. 1324; Gaz. vol. 133; p. 1138.
- Vielé, F. S., assignor to Standard Underground Cable Company, Pittsburg, Pa. Connecting-conductor for cables. No. 888,674; May 26; Sp. p. 4722; Dr. p. 1004; Gaz. vol. 134; p. 859.
- Vielér, F. (See Eisentraut and Vieler.)
- Vieman, C., Chicago, Ill. Washing-machine. No. 886,745; May 5; Sp. p. 846; Dr. p. 175; Gaz. vol. 134; p. 140.
- Vierling, J., Pittsburg, Pa., assignor to P. & O. Manufacturing Company, Sebring, Ohio. Vending-machine. No. 894,246; July 28; Sp. p. 3910; Dr. pp. 808-9; Gaz. vol. 135; p. 692.

Alphabetical list of patentees—Continued.

- Viertel, H., assignor to Gebrüder Siemens & Co., Charlottenburg, Germany. Arc-light electrode containing metal within the same. No. 880,055; Feb. 25; Sp. p. 4484; Dr. p. 942; Gaz. vol. 132; p. 1662.
- Vigier, W. von, Subingen, Switzerland. Apparatus for washing brushes. No. 877,269; Jan. 21; Sp. p. 3273; Dr. p. 708; Gaz. vol. 132; p. 599.
- Vigneron, A. T., assignor of one-half to H. B. Vigneron, Providence, R. I. Battery. No. 890,827; June 16; Sp. p. 3327; Dr. p. 728; Gaz. vol. 134; p. 1649.
- Vigneron, H. B. (See Vigneron, A. T., assignor.)
- Vilim, R. (See Bauer and Vilim.)
- Villard, R. H., New York, N. Y. Conduit-rod. No. 896,182; Aug. 18; Sp. p. 2774; Dr. p. 598; Gaz. vol. 135; p. 1398.
- Villette, E. P. A., Lille, France. Device for retarding and stopping the motion of ships. No. 875,752; Jan. 7; Sp. p. 150; Dr. p. 33; Gaz. vol. 132; p. 28.
- Vilter Manufacturing Company. (See Barthold, F., assignor.)
- Vilter Manufacturing Company. (See Rassbach, H., assignor.)
- Vincent, A., Brooklyn, N. Y. Pan-handle. No. 901,400; Oct. 20; Sp. p. 2791; Dr. p. 568; Gaz. vol. 136; p. 1571.
- Vincent, A. E., Noisy-le-Sec, France. Machine for manufacturing pneumatic tires. No. 906,583; Dec. 15; Sp. p. 2850; Gaz. vol. 137; p. 1516.
- Vincent, B. C., Indianapolis, Ind. Extension-table. No. 903,638; Nov. 10; Sp. p. 2218; Gaz. vol. 137; p. 392.
- Vincent, J. A., Philadelphia, Pa. Oiling device for pressure-fluid motors. No. 894,411; July 28; Sp. p. 4266; Dr. p. 880; Gaz. vol. 135; p. 747.
- Vincent, J. G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 890,945; June 16; Sp. p. 3571; Dr. pp. 779-80; Gaz. vol. 134; p. 1687.
- Vincent, J. G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 894,550; July 28; Sp. p. 4538; Dr. pp. 940-1; Gaz. vol. 135; p. 792.
- Vincent, J. G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 897,941; Sept. 8; Sp. p. 1452; Dr. p. 310; Gaz. vol. 136; p. 259.
- Vincent, J. G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding and listing machine. No. 908,173; Dec. 29; Sp. p. 6072; Gaz. vol. 137; p. 2100.
- Vincent, J. G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 908,430; Dec. 29; Sp. p. 6629; Gaz. vol. 137; p. 2189.
- Vincent, J. V. (See Richards, E. R., assignor.)
- Vincent, M., Geneva, Switzerland. Stereoscopic camera. No. 878,838; Feb. 11; Sp. p. 1980; Dr. p. 411; Gaz. vol. 132; p. 1193.
- Vincent, S. W., Nashua, N. H. Rotary engine. No. 882,360; Mar. 17; Sp. p. 3740; Dr. pp. 795-6; Gaz. vol. 133; p. 673.
- Vincez, A., Rankin, Pa. Nail-making machine. No. 879,702; Feb. 18; Sp. p. 3734; Dr. p. 783; Gaz. vol. 132; p. 1513.
- Vindemore, F. F., Fairview, N. J. Combined fuse-plug and circuit-closer. No. 908,174; Dec. 29; Sp. p. 6077; Gaz. vol. 137; p. 2100.
- Vining, D. P. (See Haight, A. M., assignor.)
- Vinson, C. C., Wichita, Kans. Valve-gear. No. 881,748; Mar. 10; Sp. p. 2496; Dr. pp. 537-8; Gaz. vol. 133; p. 445.
- Vint, G. A. (See Glass and Vint.)
- Vinton, J. H., Boston, Mass. Metallic protector for heels or soles of boots and shoes. No. 882,542; Mar. 17; Sp. p. 4074; Dr. p. 827; Gaz. vol. 133; p. 734.
- Viol, J. H. (See Werd, Rodda, and Viol.)
- Violati-Tescari, F., Ariano, Italy. Steam-plow. No. 903,032; Nov. 3; Sp. p. 1010; Gaz. vol. 137; p. 166.
- Virgie, W. H., Clarksburg, W. Va. Support for swinging furniture. No. 904,578; Nov. 24; Sp. p. 4206; Gaz. vol. 137; p. 765.
- Virgils, W. A., assignor of one-half to C. A. Kreeger, Chicago, Ill. Mail-pouch-delivery device. No. 884,782; Apr. 14; Sp. p. 2300; Dr. p. 484; Gaz. vol. 133; p. 1585.
- Virginia Blower & Manufacturing Company. (See Leitch, A. J., assignor.)
- Virginia Laboratory Company. (See Seward, G. O., assignor.)
- Virginia Laboratory Company. (See Seward and Kügelgen, assignors.)
- Virginia Laboratory Company. (See Kügelgen and Seward, assignors.)
- Virgo, J. E., Bridgeport, Conn. Nut-lock. No. 880,939; Mar. 3; Sp. p. 915; Dr. p. 197; Gaz. vol. 133; p. 154.
- Virkus, F. A., La Grange, Ill. Reversible envelop. No. 895,520; Aug. 11; Sp. p. 1496; Dr. p. 316; Gaz. vol. 135; p. 1166.
- Visger, R. H., *et al.* (See Vandiver, L. A., assignor.)
- Visser, A., and H. Grote, Holland, Mich. Amusement device. No. 891,388; June 23; Sp. p. 4467; Dr. pp. 972-3; Gaz. vol. 134; p. 1864.
- Vissinger, H., Chicago, Ill. Indicator for radiators. No. 904,163; Nov. 17; Sp. p. 3319; Gaz. vol. 137; p. 599.
- Vivian, A. W. H., assignor to Composite Fuel Syndicate Limited, London, England. Manufacture of artificial fuel. No. 900,619; Oct. 6; Sp. p. 1177; Gaz. vol. 136; p. 1253.
- Vivian, S., administratrix. (See Vivian, S.)
- Vivian, S., deceased; S. Vivian, administratrix, Cincinnati, Ohio. Liquid-flow controller. No. 894,784; July 28; Sp. p. 4981; Dr. p. 1039; Gaz. vol. 135; p. 868.
- Vize, F. P., and H. J. Broderick, Echuca, Victoria, Australia. Brush. No. 890,204; June 9; Sp. p. 2023; Dr. p. 445; Gaz. vol. 134; p. 1413.
- Vlajnic, S., McKeesport, Pa. Rail-joint. No. 880,938; Mar. 3; Sp. p. 914; Dr. p. 197; Gaz. vol. 133; p. 154.
- Vlasak, C. J., St. Louis, Mo. Combined chair and cabinet. No. 879,803; Feb. 18; Sp. p. 3914; Dr. p. 820; Gaz. vol. 132; p. 1546.
- Vock, J., Chicago, Ill. Sash-lock. No. 903,519; Nov. 10; Sp. p. 1970; Gaz. vol. 137; p. 354.
- Vocke, F., Berlin-Schöneberg, Germany. Stop and measuring cock. No. 880,256; Feb. 25; Sp. p. 4887; Dr. p. 1033; Gaz. vol. 132; p. 1729.
- Voelker, G. H., and T. E. Lynch, Jr., New Orleans, La. Whip-lock. No. 875,753; Jan. 7; Sp. p. 151; Dr. p. 33; Gaz. vol. 132; p. 29.
- Voelker, G. W., Woonsocket, R. I. Rotary cloth-pressing machine. No. 893,956; July 21; Sp. p. 3282; Dr. p. 675; Gaz. vol. 135; p. 577.
- Voelkner, H. A., Detroit, Mich. Box-fastener. No. 892,471; July 7; Sp. p. 155; Dr. p. 33; Gaz. vol. 135; p. 31.
- Voell, L. J. (See Wallace, O., assignor.)
- Vogel, E. J., Lawrence, Mass. Fabric. No. 898,941; Sept. 15; Sp. p. 3367; Dr. p. 723; Gaz. vol. 136; p. 613.
- Vogel, E. W., assignor to Railroad Supply Company, Chicago, Ill. Rail-bond. No. 902,026; Oct. 27; Sp. p. 4111; Dr. p. 832; Gaz. vol. 136; p. 1805.
- Vogel, H., Ottawa, Ill. Tool-holder. No. 904,579; Nov. 24; Sp. p. 4207; Gaz. vol. 137; p. 766.
- Vogel, J. A., Wilmington, Del. Furniture-buffer. No. 895,215; Aug. 4; Sp. p. 884; Dr. p. 185; Gaz. vol. 135; p. 1042.
- Vogel, J. C., Philadelphia, Pa., assignor to Fairmount Electric and Manufacturing Company. Ground-joint connection for electric conductors. No. 907,542; Dec. 22; Sp. p. 4719; Gaz. vol. 137; p. 1862.
- Vogel, J. C., Philadelphia, Pa., assignor to Fairmount Electric and Manufacturing Company. Ground-joint connection for electric conductors. No. 907,543; Dec. 22; Sp. p. 4720; Gaz. vol. 137; p. 1862.
- Vogel, P. F., Clinton, Tenn. Machine for unraveling textile fabrics. No. 900,451; Oct. 6; Sp. p. 817; Dr. p. 168; Gaz. vol. 136; p. 1198.
- Vogel, P. F., St. Louis, Mo., assignor, by mesne assignments, to Burson Knitting Company, Rockford, Ill. Stocking finishing and stripping machine. No. 892,100; June 30; Sp. p. 5912; Dr. p. 1274; Gaz. vol. 134; p. 2129.
- Vogelsang, A., Dresden, Germany. Purifying and filtering water. No. 897,039; Aug. 25; Sp. p. 4579; Dr. p. 977; Gaz. vol. 135; p. 1704.
- Vogelsang, A., Dresden, Germany. Electrolytic apparatus for use in the manufacture of bleaching liquors. No. 906,569; Dec. 15; Sp. p. 2994; Gaz. vol. 137; p. 1540.
- Vogelsang, M., Frankfurt-on-the-Main, Bockenheim, assignor to Firm of Voigt & Haefner, Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Synchronizing apparatus for alternators. No. 877,144; Jan. 21; Sp. p. 3011; Dr. pp. 651-2; Gaz. vol. 132; p. 557.
- Vogler, H., assignor of one-half to J. H. Wolf, St. Louis, Mo. Serving-table. No. 877,812; Jan. 28; Sp. p. 4315; Dr. p. 937; Gaz. vol. 132; p. 793.
- Vogt, A., London, England. Increasing the volumetric efficiency of cylinder and piston machines. No. 899,706; Sept. 29; Sp. p. 4869; Dr. pp. 1044-5; Gaz. vol. 136; p. 922.
- Vogt, B. F., Louisville, Ky. Handle for bottles and like containers. No. 896,673; Aug. 18; Sp. p. 3750; Dr. p. 808; Gaz. vol. 135; p. 1557.
- Vogt, F. A., Anderson, Ind. Cheese-cover. No. 897,684; Sept. 1; Sp. p. 896; Dr. p. 192; Gaz. vol. 136; p. 143.
- Vogt, H. H. (See Winsor, B. V., assignor.)
- Vogt, J. H., and L. Storck, Stamford, Conn. Barrel-packing machine. No. 905,017; Nov. 24; Sp. p. 5122; Gaz. vol. 137; p. 912.
- Voight, H. G. (See Caley and Voight.)
- Voight, H. G., New Britain, Conn. Door-holder. No. 900,621; Oct. 6; Sp. p. 1181; Dr. p. 241; Gaz. vol. 136; p. 1254.
- Voight, H. G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock and latch. No. 892,336; June 30; Sp. p. 6370; Dr. p. 1374; Gaz. vol. 134; p. 2208.
- Voight, H. G., New Britain, Conn., assignor to Russell & Erwin Manufacturing Company. Adjustable cylinder-lock. No. 897,685; Sept. 1; Sp. p. 897; Dr. p. 192; Gaz. vol. 136; p. 144.
- Voight, H. G., New Britain, Conn., assignor to Russell & Erwin Manufacturing Company. Lock construction. No. 897,686; Sept. 1; Sp. p. 898; Dr. pp. 192-3; Gaz. vol. 136; p. 144.
- Voight, H. G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Cylinder-lock. No. 898,078; Sept. 8; Sp. p. 1733; Dr. p. 368; Gaz. vol. 136; p. 303.
- Voight, H. G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock attachment. No. 900,620; Oct. 6; Sp. p. 1179; Dr. p. 241; Gaz. vol. 136; p. 1253.

- Voight, H. G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Adjustable lock of the cylinder type. No. 904,580; Nov. 24; Sp. p. 4208; Gaz. vol. 137; p. 766.
- Volght, H. G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock. No. 908,431; Dec. 29; Sp. p. 6640; Gaz. vol. 137; p. 2190.
- Voight, H. G., and C. J. Caley, assignors to Russell & Erwin Manufacturing Company, New Britain, Conn. Indicator for door-locks. No. 884,996; Apr. 14; Sp. p. 2704; Dr. p. 573; Gaz. vol. 133; p. 1650.
- Voight, H. G., and C. J. Caley, assignors to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock construction. No. 897,802; Sept. 1; Sp. p. 1147; Dr. p. 244; Gaz. vol. 136; p. 181.
- Voigt, A. (See Nellen and Voigt.)
- Voigt & Haefner, Aktiengesellschaft, Firm of. (See Vogelsang, M., assignor.)
- Voigt, J., Schwannheim-on-the-Main, assignor to Chemische Fabrik Griesheim Electron, Frankfurt-on-the-Main, Germany. Manufacture of acetylene tetrachlorid. No. 908,051; Dec. 29; Sp. p. 5820; Gaz. vol. 137; p. 2059.
- Voigtlander, M. G., Harrison, Ohio. Igniter for gas and gasoline engines. No. 878,694; Feb. 11; Sp. p. 1704; Dr. p. 352; Gaz. vol. 132; p. 1146.
- Voigtlander, M. G., assignor of one-half to J. A. Graft, Harrison, Ohio. Signal system for railways. No. 884,783; Apr. 14; Sp. p. 2301; Dr. p. 484; Gaz. vol. 133; p. 1585.
- Voigtlander, M. G., assignor of one-half to J. A. Graft, Harrison, Ohio. Signal system for railways. No. 884,784; Apr. 14; Sp. p. 2306; Dr. pp. 484-5; Gaz. vol. 133; p. 1586.
- Voigtmann & Company. (See Duffy, T. I., assignor.)
- Voisard, G. C., assignor of one-half to W. J. Bryce, New York, N. Y. Sales checking and record cabinet. No. 898,534; Sept. 15; Sp. p. 2612; Dr. p. 557; Gaz. vol. 136; p. 481.
- Voit, W. (See Lentz and Voit.)
- Vokel, G. J., Philadelphia, Pa. Pyro-electric generator. No. 903,116; Nov. 3; Sp. p. 1165; Gaz. vol. 137; p. 189.
- Volans, E. G., Cleveland, Ohio. Coal-storage plant. No. 883,764; April 7; Sp. p. 169; Dr. p. 30; Gaz. vol. 133; p. 1220.
- Volby, G. A., Wentworth, S. D. Spark-arrestor. No. 876,417; Jan. 14; Sp. p. 1470; Dr. p. 316; Gaz. vol. 132; p. 272.
- Volck, W. H. (See Luther and Volck.)
- Volckening, C. K., New York, N. Y. Bottle-washer brush. No. 898,288; Sept. 8; Sp. p. 2129; Dr. p. 452; Gaz. vol. 136; p. 368.
- Volckening, C. K., New York, N. Y. Brush for washing bottles. No. 906,836; Dec. 15; Sp. p. 3321; Gaz. vol. 137; p. 1593.
- Volckmann, H., assignor to Washington Cutlery Company, Watertown, Wis. Sickle. No. 898,535; Sept. 15; Sp. p. 2615; Dr. p. 558; Gaz. vol. 136; p. 481.
- Vold, L. H., Westville, N. J., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Lathe-driver. No. 881,749; Mar. 10; Sp. p. 2498; Dr. p. 538; Gaz. vol. 133; p. 445.
- Vold, L. H., Westville, N. J., and J. Burt, Narberth, assignors to William Sellers & Company, Incorporated, Philadelphia, Pa. Turret-tool rest. No. 887,985; May 19; Sp. p. 3349; Dr. p. 703; Gaz. vol. 134; p. 602.
- Volger, B. G., assignor to B. G. Volger Manufacturing Company, Inc., Passaic, N. J. Stopper and brush for receptacles. No. 878,437; Feb. 4; Sp. p. 1086; Dr. p. 221; Gaz. vol. 132; p. 1027.
- Volk, F. M., Minturn, Cal. Nut-lock. No. 878,258; Feb. 4; Sp. p. 748; Dr. p. 151; Gaz. vol. 132; p. 969.
- Völker, J., Neu Isenburg, assignor to Firm of P. Weil & Co., Rödelheim, near Frankfurt-on-the-Main, Germany. Ribbon-feed mechanism for type-writers. No. 884,691; Apr. 14; Sp. p. 2101; Dr. pp. 448-9; Gaz. vol. 133; p. 1554.
- Völker, J., Neu Isenburg, assignor to Firm of P. Weil & Co., Rödelheim, near Frankfurt-on-the-Main, Germany. Type-writing machine. No. 886,557; May 5; Sp. p. 424; Dr. p. 90; Gaz. vol. 134; p. 78.
- Völker, P., assignor to P. Heyartz, Cologne, Germany. Antifriction thrust-bearing. No. 881,876; Mar. 10; Sp. p. 2766; Dr. p. 593; Gaz. vol. 133; p. 488.
- Volkman, P., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dye. No. 902,186; Oct. 27; Sp. p. 4428; Gaz. vol. 136; p. 1856.
- Volkmar, W., Whittier, Cal. Shield for agricultural implements. No. 893,767; July 21; Sp. p. 2902; Dr. p. 595; Gaz. vol. 135; p. 515.
- Völler, K., Dusseldorf, assignor to Rheinische Metallwaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Sighting apparatus for ordnance. No. 887,023; May 5; Sp. p. 1360; Dr. pp. 288-90; Gaz. vol. 134; p. 226.
- Völler, K., Dusseldorf, assignor to Rheinische Metallwaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firing mechanism. No. 887,713; May 12; Sp. p. 2782; Dr. pp. 587-8; Gaz. vol. 134; p. 482.
- Völler, K., assignor to Rheinische Metallwaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Foundation for guns with recoiling barrels. No. 901,401; Oct. 20; Sp. p. 2792; Dr. pp. 568-9; Gaz. vol. 136; p. 1571.
- Vollmayer, W. G. (See Hamel and Vollmayer.)
- Vollmer, F. J., et al. (See Frederick, F. M., assignor.)
- Vollmer, J., Berlin, Germany, assignor to General Electric Company. Steering-wheel pivot and pivot-bearing for automobiles. No. 885,111; Apr. 21; Sp. p. 2948; Dr. p. 625; Gaz. vol. 131; p. 1721.
- Vollmer, J., Berlin, Germany, assignor to General Electric Company. Lubricator. No. 901,502; Oct. 20; Sp. p. 3022; Dr. p. 617; Gaz. vol. 136; p. 1605.
- Vollmer, J., Berlin, Germany, assignor to General Electric Company. Self-propelled vehicle. No. 904,028; Nov. 17; Sp. p. 3026; Gaz. vol. 137; p. 552.
- Vollmer, M., assignor to E. A. Schwerdtfeger & Co., Berlin, Germany. Illustrated post-card. No. 900,135; Oct. 6; Sp. p. 133; Dr. p. 28; Gaz. vol. 136; p. 1094.
- Vollmer, W. S., Philadelphia, Pa. Fastening device. No. 886,902; May 5; Sp. p. 1137; Dr. p. 239; Gaz. vol. 134; p. 186.
- Voltz, G. M., St. Joseph, Mo. Fireproof window-sash. No. 876,113; Jan. 7; Sp. p. 838; Dr. p. 179; Gaz. vol. 132; p. 142.
- Volunteer Dist Plow Co. (See Schlar and Pace, assignors.)
- Voorhees, A. L., assignor of one-half to H. Freels, Chicago, Ill. Inverted gas-burner. No. 903,033; Nov. 3; Sp. p. 1014; Gaz. vol. 137; p. 166.
- Voorhees, G. T., Boston, Mass. Cooling apparatus. No. 891,020; June 16; Sp. p. 3731; Dr. p. 814; Gaz. vol. 134; p. 1713.
- Voorheis, E. C., Sutter Creek, Cal. Fluid-fuel furnace. No. 883,260; Mar. 31; Sp. p. 5525; Dr. p. 1178; Gaz. vol. 133; p. 1032.
- Voorhies, C. R., Portland, Oreg. Fluting or beading machine. No. 898,289; Sept. 8; Sp. p. 2130; Dr. p. 453; Gaz. vol. 136; p. 368.
- Voorhies, J. C. (See Martin, Grant, McGavock, Haynes, and Voorhies.)
- Vordermark, F. R., Indianapolis, Ind. Weather-strip. No. 906,756; Dec. 15; Sp. p. 3178; Gaz. vol. 137; p. 1570.
- Vore, E. E., Huntington Park, Cal. Locking device. No. 886,165; Apr. 28; Sp. p. 5133; Dr. p. 1079; Gaz. vol. 133; p. 2062.
- Voris, C. D., Crawfordsville, Ind. Corrugated-metal culvert. No. 901,569; Oct. 20; Sp. p. 3147; Dr. p. 643; Gaz. vol. 136; p. 1626.
- Voris, C. D., Crawfordsville, Ind. Reinforced cement culvert. No. 902,027; Oct. 27; Sp. p. 4113; Dr. p. 832; Gaz. vol. 136; p. 1806.
- Voris, E. V., and P. H. Carroll, Kirkland, Wash. Metal-polish. No. 890,946; June 16; Sp. p. 3580; Gaz. vol. 134; p. 1689.
- Vorwerk, C. (See Pearsall, W., assignor.)
- Vorwerk, C., Barmen, Germany. Pattern for jacquard-weaving. No. 885,407; Apr. 21; Sp. p. 3588; Dr. p. 751; Gaz. vol. 133; p. 1820.
- Vosburgh, H. E., Auburn, N. Y. Antirattling device for thill-couplings. No. 878,438; Feb. 4; Sp. p. 1087; Dr. p. 221; Gaz. vol. 132; p. 1027.
- Vose, R. L. (See Ayer, A. E., assignor.)
- Vose, S. F., and C. R. Harryman, Shawnee, Okla. Plow. No. 901,220; Oct. 13; Sp. p. 2368; Dr. p. 484; Gaz. vol. 136; p. 1473.
- Voshell, D., Wilmington, Del. Multibled garden implement. No. 902,124; Oct. 27; Sp. p. 4294; Dr. p. 870; Gaz. vol. 136; p. 1835.
- Voska, J., and C. Nelson, Brooklyn, assignors to S. Sternau & Company, New York, N. Y. Ash-receiver. No. 902,511; Oct. 27; Sp. p. 5139; Dr. p. 1041; Gaz. vol. 136; p. 1965.
- Vosmer, G. W., Covington, Ky., assignor to Globe-Wernicke Company, Cincinnati, Ohio. Interlocking end iron for sectional furniture. No. 883,765; Apr. 7; Sp. p. 171; Dr. p. 30; Gaz. vol. 133; p. 1221.
- Vosper, W. W., Toledo, Ohio. Taper-thread-cutting machine. No. 876,114; Jan. 7; Sp. p. 839; Dr. p. 180; Gaz. vol. 132; p. 142.
- Vosper, W. W., assignor to Shaw-Kendall Engineering Company, Toledo, Ohio. Collapsible taper-thread tap and reamer. No. 894,863; Aug. 4; Sp. p. 118; Dr. p. 26; Gaz. vol. 135; p. 921.
- Voss, A. F., San Francisco, Cal. Spring dividers and calipers. No. 889,416; June 2; Sp. p. 452; Dr. p. 108; Gaz. vol. 134; p. 1130.
- Voss, C., Neumünster, Germany. Leather-rolling press. No. 882,033; Mar. 17; Sp. p. 3119; Dr. p. 662; Gaz. vol. 133; p. 567.
- Voss, L. J. H., Menasha, Wis. Propeller-wheel. No. 887,156; May 12; Sp. p. 1613; Dr. p. 342; Gaz. vol. 134; p. 297.
- Voss, W. H., Davenport, Iowa. Gear-case for mechanical movements. No. 880,113; Feb. 25; Sp. p. 4582; Dr. p. 965; Gaz. vol. 132; p. 1680.
- Voss, W. H., Davenport, Iowa. Mechanical movement for washing-machines. No. 892,337; June 30; Sp. p. 6372; Dr. p. 1374; Gaz. vol. 134; p. 2208.
- Voss, W. H., Davenport, Iowa. Mechanical movement for washing-machines. No. 897,432; Sept. 1; Sp. p. 397; Dr. p. 85; Gaz. vol. 136; p. 62.
- Voss, W. H., Davenport, Iowa. Wringer box or tray for washing-machine tubs. No. 905,028; Nov. 24; Sp. p. 5141; Gaz. vol. 137; p. 916.
- Voss, W. H., Davenport, Iowa. Mechanical movement for operating washing-machines. No. 905,253; Dec. 1; Sp. p. 254; Gaz. vol. 137; p. 1027.
- Voss, W. H., Poynette, Wis. Mail-box signal. No. 884,964; Apr. 14; Sp. p. 2649; Dr. p. 563; Gaz. vol. 133; p. 1641.

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- Voth, H. P., and E. Siebrasse, Featherstone township, Goodhue county, Minn. Attachment to the caps of wind-stackers of threshing-machines. No. 887,360; May 12; Sp. p. 2086; Dr. p. 438; Gaz. vol. 134; p. 366.
- Votteler, W., Louisville, Ky. Proportional powder-divider. No. 904,164; Nov. 17; Sp. p. 3320; Gaz. vol. 137; p. 600.
- Vraalstad, E. J., Buffalo, N. Y. Vehicle-steering device. No. 890,473; June 9; Sp. p. 2563; Dr. p. 568; Gaz. vol. 134; p. 1498.
- Vraalstad, E. J., assignor of one-half to Buffalo Pitts Company, Buffalo, N. Y. Pneumatic stacker. No. 876,115; Jan. 7; Sp. p. 841; Dr. p. 180; Gaz. vol. 132; p. 143.
- Vrana, T., and B. Schiba; said Vrana assignor to J. Renz, New York, N. Y. Pneumatic-valve mechanism. No. 883,065; Mar. 24; Sp. p. 5107; Dr. p. 1089; Gaz. vol. 133; p. 937.
- Vredenburg, R. W., and C. B. Gilmore, Springfield, Ill. Combined lock and latch. No. 908,361; Dec. 29; Sp. p. 6477; Gaz. vol. 137; p. 2165.
- Vroom, G. H., Columbus, Ohio. Bookkeeping system and leaf forming part of the same. No. 881,750; Mar. 10; Sp. p. 2501; Dr. pp. 538-9; Gaz. vol. 133; p. 445.
- Vroom, O. P., assignor to Superior Hay Stacker Manufacturing Co., Linneus, Mo. Swing. No. 878,101; Feb. 4; Sp. p. 420; Dr. p. 89; Gaz. vol. 132; p. 916.
- Vsetecka, F., Protivin, Iowa. Wire-working tool. No. 876,116; Jan. 7; Sp. p. 842; Dr. p. 180; Gaz. vol. 132; p. 143.
- Vucassovich, M. P., Boston, Mass. Cuff-protector. No. 886,903; May 5; Sp. p. 1138; Dr. p. 239; Gaz. vol. 134; p. 186.
- Vulcan Iron Works Company. (See Webber, J. B., Jr., assignor.)
- "Vulkan" Maschinenfabriks-Actien-Gesellschaft, Firm of. (See Ast, H., assignor.)
- Vyne, L., North Wilkesboro, N. C. Device for forming belt-lacings. No. 891,884; June 30; Sp. p. 5502; Dr. p. 1189; Gaz. vol. 134; p. 2060.
- W. Graaff & Compagnie, Ges. mit Beschr. Haftung, Firm of. (See Breslau, M., assignor.)
- W. B. Knight Machinery Company. (See Knight, W. B., assignor.)
- W. C. Ritchie & Company. (See Stuker, S. J., assignor.)
- W. D. Allen Manufacturing Company. (See Bowes, C. F., assignor.)
- W. D. Allen Manufacturing Company. (See Gibbs, H., assignor.)
- W. F. Barnes Commercial Co. (See Casella, S. L., assignor.)
- W. F. Bossert Manufacturing Company. (See Williams, H. C., assignor.)
- W. F. Bossert Mfg. Co. (See Bossert, W. F. and L. W., assignors.)
- W. F. & John Barnes Company. (See Barnes, J. S., assignor.)
- W. F. Stimpson Company. (See Finch, W. E., assignor.)
- W. H. Miner Company. (See Miner, W. H., assignor.)
- W. H. Miner Company. (See Miner and O'Connor, assignors.)
- W. H. Miner Company. (See Nash, C. J., assignor.)
- W. H. Miner Company. (See O'Connor, J. F., assignor.)
- W. O. Hickok Manufacturing Company. (See Kepple, W. H., assignor.)
- W. P. Taylor Company. (See Gibney, J. W., assignor.)
- W. R. Ostrander & Co. (See Sohl, N., assignor.)
- Wabash Manufacturing Company. (See Howe and Kingston, assignors.)
- Wabers, H. H., Racine, Wis. Shank-planter. No. 879,339; Feb. 18; Sp. p. 2951; Dr. p. 615; Gaz. vol. 132; p. 1395.
- Wachsmann, O., et al. (See Shank, A. W., assignor.)
- Wachtel, C. W., Jamaica, N. Y. Electric switch. No. 900,005; Sept. 29; Sp. p. 5522; Dr. p. 1177; Gaz. vol. 136; p. 1021.
- Wachtel, C. W., Jamaica, N. Y. Push-button. No. 900,006; Sept. 29; Sp. p. 5524; Dr. p. 1177; Gaz. vol. 136; p. 1021.
- Wachter, H. H., Melrose, Wis. Plow-colt. No. 901,759; Oct. 20; Sp. p. 3565; Dr. p. 722; Gaz. vol. 136; p. 1689.
- Wächter, F., Grossenhain, Germany. Controlling mechanism for welt-replenishing looms. No. 908,362; Dec. 29; Sp. p. 6480; Gaz. vol. 137; p. 2165.
- Wachtler, F. E. (See Crooker, W. W., assignor.)
- Wack, A., Belleville, assignor to Verona Chemical Company, Newark, N. J. Making aromatic carbonyl derivatives. No. 898,942; Sept. 15; Sp. p. 3369; Gaz. vol. 136; p. 613.
- Wack, A., Belleville, assignor to Verona Chemical Company, Newark, N. J. Making camphor. No. 898,943; Sept. 15; Sp. p. 3370; Gaz. vol. 136; p. 613.
- Wack, J., Canton, Ohio. Mine-door. No. 892,632; July 7; Sp. p. 468; Dr. p. 100; Gaz. vol. 135; p. 83.
- Wackler, E. J., Jacksonville, Ill. Flushing-tank. No. 886,446; May 5; Sp. p. 205; Dr. p. 44; Gaz. vol. 134; p. 39.
- Wackler, E. C., Milwaukee, Wis. Dental lip-protector. No. 903,344; Nov. 10; Sp. p. 1617; Gaz. vol. 137; p. 296.
- Wadagaki, Y., Sasebo, Japan. Marine propulsion. No. 891,359; Sept. 22; Sp. p. 4180; Dr. p. 895; Gaz. vol. 136; p. 775.
- Waddell, H. E., Chicago, Ill. Flower-holder. No. 877,145; Jan. 21; Sp. p. 3017; Dr. p. 652; Gaz. vol. 132; p. 557.
- Waddell, M., New York, N. Y. Lifting bridge. No. 890,947; June 16; Sp. p. 3581; Dr. pp. 780-1; Gaz. vol. 134; p. 1688.
- Wade, A. E., administratrix. (See Stephenson, L. T.)
- Wade, B. F., Palmetto, and T. F. Montgomery, assignors to Wade-Montgomery Manufacturing Company, Tampa, Fla. Eye-shade. No. 888,945; May 26; Sp. p. 5303; Dr. p. 1124; Gaz. vol. 134; p. 947.
- Wade, C. E., Masonville, N. Y. Weather-strip. No. 888,131; May 19; Sp. p. 3621; Dr. p. 759; Gaz. vol. 134; p. 648.
- Wade, C. E., North Wales, assignor to Keasbey & Mattison Company, Ambler, Pa. Means for attaching asbestos sheathing to structural framework. No. 889,831; June 2; Sp. p. 1246; Dr. p. 287; Gaz. vol. 134; p. 1262.
- Wade, E. M., Los Angeles, Cal. Scale. No. 876,286; Jan. 7; Sp. p. 1179; Dr. pp. 256-7; Gaz. vol. 132; p. 198.
- Wade, G. H., Atlanta, Ga. Electric heat unit or device. No. 897,326; Sept. 1; Sp. p. 141; Dr. p. 29; Gaz. vol. 136; p. 22.
- Wade, H. B., Omaha, Nebr. Garment-holding device. No. 891,885; June 30; Sp. p. 5502; Dr. p. 1189; Gaz. vol. 134; p. 2060.
- Wade-Montgomery Manufacturing Company. (See Wade and Montgomery, assignors.)
- Wade, O. H., assignor of one-third to P. P. Porter, Boston, Mass. Concentrator or washer for precious metals. No. 889,864; June 2; Sp. p. 1309; Dr. p. 300; Gaz. vol. 134; p. 1273.
- Wade, O. W., Atlanta, La. Detachable log-retaining device for cars. No. 899,816; Sept. 29; Sp. p. 5122; Dr. p. 1096; Gaz. vol. 136; p. 961.
- Wade, T. W. (See McCroskey, J. A., assignor.)
- Wade, T. W., Springfield, Mo. Cooker and evaporator. No. 903,520; Nov. 10; Sp. p. 1972; Gaz. vol. 137; p. 354.
- Wade, W. B., Ridgeway, Va. Valve mechanism. No. 883,123; Mar. 24; Sp. p. 5235; Dr. p. 1117; Gaz. vol. 133; p. 957.
- Wadhams, A. J., Riverton, N. J., and R. C. Stanley, New Brighton, N. Y., assignors to International Nickel Company, Bayonne, N. J. Separating metals from matte. No. 900,452; Oct. 6; Sp. p. 818; Gaz. vol. 136; p. 1199.
- Wadhams, A. J., Riverton, N. J., and R. C. Stanley, New Brighton, N. Y., assignors to International Nickel Company, Bayonne, N. J. Separating metals from matte. No. 900,453; Oct. 6; Sp. p. 820; Gaz. vol. 136; p. 1199.
- Wadhams, A. J., Riverton, N. J., and R. C. Stanley, New Brighton, N. Y., assignors to International Nickel Company, Bayonne, N. J. Separating metals from speiss. No. 900,454; Oct. 6; Sp. p. 821; Gaz. vol. 136; p. 1199.
- Wadkin, J. W., and D. J. Jarvis, Leicester, England. Woodworking-machine. No. 885,408; Apr. 21; Sp. p. 3591; Dr. pp. 752-3; Gaz. vol. 133; p. 1820.
- Wadman, A. (See McHugh and Wadman.)
- Wadman, W. E., Bayonne, N. J., assignor to Hygienic Chemical Company of New Jersey. Preparing pure lithium compounds. No. 876,851; Jan. 14; Sp. p. 2355; Gaz. vol. 132; p. 416.
- Wadsworth, A. S., River Falls, Wis. Combined washboard and clothes-pounder. No. 889,994; June 9; Sp. p. 1597; Dr. p. 358; Gaz. vol. 134; p. 1342.
- Wadsworth, F. L. O., Morgantown, W. Va. Etching or engraving machine. No. 887,553; May 12; Sp. p. 2491; Dr. p. 526; Gaz. vol. 134; p. 430.
- Wadsworth, F. L. O., Morgantown, W. Va. Etching or engraving machine. No. 887,554; May 12; Sp. p. 2496; Dr. pp. 526-7; Gaz. vol. 134; p. 430.
- Wadsworth, F. L. O., Morgantown, W. Va. Non-refillable bottle. No. 888,132; May 19; Sp. p. 3622; Dr. p. 759; Gaz. vol. 134; p. 648.
- Wadsworth, F. L. O., assignor to Window Glass Machine Company, Pittsburg, Pa. Method of and apparatus for drawing glass. No. 889,832; June 2; Sp. p. 1248; Dr. p. 288; Gaz. vol. 134; p. 1262.
- Wadsworth, F. L. O., assignor to Window Glass Machine Company, Pittsburg, Pa. Take-down apparatus for glass cylinders. No. 890,316; June 9; Sp. p. 2282; Dr. pp. 503-4; Gaz. vol. 134; p. 1450.
- Wadsworth, F. L. O., assignor to Window Glass Machine Company, Pittsburg, Pa. Take-down apparatus for glass cylinders. No. 890,317; June 9; Sp. p. 2286; Dr. p. 504; Gaz. vol. 134; p. 1450.
- Wadsworth, F. L. O., Morgantown, W. Va., assignor to Pressed Prism Plate Glass Company, New York, N. Y. Glass box or case. No. 891,021; June 16; Sp. p. 3732; Dr. p. 814; Gaz. vol. 134; p. 1713.
- Wadsworth, F. L. O., Morgantown, W. Va., assignor to Pressed Prism Plate Glass Company, New York, N. Y. Apparatus for grinding and polishing glass. No. 891,197; June 16; Sp. p. 4055; Dr. pp. 888-9; Gaz. vol. 134; p. 1768.
- Wadsworth, F. L. O., Morgantown, W. Va., assignor to Pressed Prism Plate Glass Company, New York, N. Y. Apparatus for polishing and grinding glass. No. 891,198; June 16; Sp. p. 4058; Dr. p. 889; Gaz. vol. 134; p. 1768.
- Wadsworth, F. L. O., assignor to Pressed Prism Plate Glass Company, Morgantown, W. Va. Apparatus for the manufacture of sheets of glass. No. 907,656; Dec. 22; Sp. p. 4901; Gaz. vol. 137; p. 1899.

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- Wadsworth, G. H., Lyndhurst, England. Producing gelatinized nitrocellulose explosives. No. 899,577; Sept. 29; Sp. p. 4613; Gaz. vol. 136; p. 883.
- Wadsworth, W. B. (See Davis, V. F., assignor.)
- Wadsworth, W. B. (See Haywood, D. H., assignor.)
- Waechter, F. W. (See Fenton and Waechter.)
- Waecker, A. C., Wilmington, Del. Separable square. No. 879,703; Feb. 18; Sp. p. 3737; Dr. p. 784; Gaz. vol. 132; p. 1514.
- Waffenfabrik Mauser Aktiengesellschaft. (See Klinger, M., assignor.)
- Wagandt, C. L., assignor to National Enameling and Stamping Company, Baltimore, Md. Safety attachment for presses. No. 906,477; Dec. 8; Sp. p. 2639; Gaz. vol. 137; p. 1455.
- Wagar, E. E., *et al.* (See Brodton, E. R., assignor.)
- Wagener, K. (See Teykl and Wagener.)
- Wagenet, H. W., Oakland, Cal. Sweat-shield for hats. No. 900,330; Oct. 6; Sp. p. 549; Dr. p. 114; Gaz. vol. 136; p. 1158.
- Waggaman, H. E., Annapolis, Md., assignor to C. Hoffman, Elyria, Ohio. Toy. No. 884,692; Apr. 14; Sp. p. 2103; Dr. p. 449; Gaz. vol. 133; p. 1554.
- Waggner, W. R. (See Vaughan, L., assignor.)
- Waggner, B. G., Philadelphia, Pa. Prepayment gas-meter. No. 880,767; Mar. 3; Sp. p. 563; Dr. p. 119; Gaz. vol. 133; p. 97.
- Waggner, B. G., Philadelphia, Pa. Coin-controlled apparatus for prepayment gas-meters and the like. No. 890,828; June 16; Sp. p. 3329; Dr. p. 728; Gaz. vol. 134; p. 1650.
- Waggner, W. R., Brazil, assignor to two-thirds to G. T. and O. O. Van Cleve, Cory, Ind. Off-bearing machine. No. 885,809; Apr. 28; Sp. p. 4412; Dr. pp. 924-5; Gaz. vol. 133; p. 1976.
- Wagner, A., St. Louis, Mo. Sliding-door pocket. No. 875,870; Jan. 7; Sp. p. 359; Dr. p. 79; Gaz. vol. 132; p. 66.
- Wagner, A., Georgetown, Ohio. Hitching device. No. 886,166; Apr. 28; Sp. p. 5125; Dr. p. 1079; Gaz. vol. 133; p. 2093.
- Wagner, C. (See Pennell, C. L., assignor.)
- Wagner, C., New York, N. Y. Machine for cleaning inking-rollers. No. 892,782; July 7; Sp. p. 763; Dr. pp. 161-2; Gaz. vol. 135; p. 132.
- Wagner, C. A., Brooklyn, N. Y. Cigar-lighter. No. 897,687; Sept. 1; Sp. p. 899; Dr. p. 193; Gaz. vol. 136; p. 144.
- Wagner, C. B., Jr., Burlington, Wis. Nose-ring. No. 889,736; June 2; Sp. p. 1072; Dr. p. 247; Gaz. vol. 134; p. 1231.
- Wagner, C. E., Cedar Rapids, Iowa. Vegetable-slicer. No. 895,216; Aug. 4; Sp. p. 885; Dr. p. 185; Gaz. vol. 135; p. 1042.
- Wagner, C. J., Chicago, Ill. Electric bell. No. 880,940; Mar. 3; Sp. p. 916; Dr. p. 197; Gaz. vol. 133; p. 155.
- Wagner, C. L. H., Chicago, Ill. Watch-retainer. No. 903,247; Nov. 10; Sp. p. 1430; Gaz. vol. 137; p. 264.
- Wagner, E. C., Arapahoe, and J. D. A. Johnson, Omaha, Nebr. Milk-strainer. No. 895,818; Aug. 11; Sp. p. 2094; Dr. p. 444; Gaz. vol. 135; p. 1261.
- Wagner, E. F., New York, N. Y. Color-study device. No. 898,290; Sept. 8; Sp. p. 2131; Dr. p. 453; Gaz. vol. 136; p. 368.
- Wagner, E. H. (See Graber, C. F., assignor.)
- Wagner, E. P., Charlottenburg, Germany, assignor to General Electric Company. Elastic-fluid turbine. No. 887,361; May 12; Sp. p. 2087; Dr. p. 438; Gaz. vol. 134; p. 366.
- Wagner Electric Manufacturing Company. (See Bryson, J. H., assignor.)
- Wagner Electric Manufacturing Company. (See Selinger, H. F., assignor.)
- Wagner, F. (See Bertheau, H. A., assignor.)
- Wagner, F. B. (See Pifer and Ahlm, assignors.)
- Wagner, F. X., assignor to Underwood Typewriter Company, New York, N. Y. Ribbon mechanism for type-writers. No. 876,309; Jan. 7; Sp. p. 1234; Dr. pp. 269-70; Gaz. vol. 132; p. 206.
- Wagner, G., Reutlingen, Germany. Feeding mechanism. No. 887,987; May 19; Sp. p. 3353; Dr. pp. 703-4; Gaz. vol. 134; p. 603.
- Wagner, G. J., assignor of one-half to C. L. Barth, Marion, Ind. Folding car-step. No. 908,052; Dec. 29; Sp. p. 5821; Gaz. vol. 137; p. 2059.
- Wagner, H. (See Goepfinger and Wagner.)
- Wagner, H. L., St. Louis, Mo. Heating-stove. No. 878,028; Feb. 4; Sp. p. 281; Dr. p. 60; Gaz. vol. 132; p. 894.
- Wagner, H., Anderson, Ind. Press-mold for making insulators. No. 880,343; Feb. 25; Sp. p. 5047; Dr. p. 1066; Gaz. vol. 132; p. 1756.
- Wagner, H., Munich, assignor to Charlottenburger Farbwerke Aktiengesellschaft, Charlottenburg, Prussia, Germany. Cemented lithographic stone. No. 878,322; Feb. 4; Sp. p. 877; Dr. p. 174; Gaz. vol. 132; p. 990.
- Wagner, H. C. (See Jackson, C. L., assignor.)
- Wagner, H. L., Mount Vernon, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 904,029; Nov. 17; Sp. p. 3028; Gaz. vol. 137; p. 552.
- Wagner, H. L., Mount Vernon, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 904,737; Nov. 24; Sp. p. 4528; Gaz. vol. 137; p. 819.
- Wagner, H. L., Mount Vernon, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 906,589; Dec. 15; Sp. p. 2852; Gaz. vol. 137; p. 1516.
- Wagner, J. (See Baeker, A., assignor.)
- Wagner, J. (See Kassler, F. W., assignor.)
- Wagner, J., and A. Strnad, Cleveland, Ohio. Water-motor for washing-machines. No. 897,433; Sept. 1; Sp. p. 400; Dr. p. 85; Gaz. vol. 136; p. 62.
- Wagner, J. F. (See Stapleford and Wagner.)
- Wagner, J. F., Tamaqua, Pa. Chain. No. 886,904; May 5; Sp. p. 1139; Dr. p. 239; Gaz. vol. 134; p. 187.
- Wagner, J. H., Bucyrus, Ohio. Scesaw. No. 889,562; June 2; Sp. p. 744; Dr. p. 171; Gaz. vol. 134; p. 1177.
- Wagner, M., Wiesbaden, Germany. Journal-bearing liner. No. 890,736; June 16; Sp. p. 3149; Dr. p. 689; Gaz. vol. 134; p. 1619.
- Wagner Manufacturing Company. (See Wells and Fuller, assignors.)
- Wagner, N., Scranton, Pa. Ink-fountain. No. 901,760; Oct. 20; Sp. p. 3566; Dr. p. 722; Gaz. vol. 136; p. 1690.
- Wagner, P. F., Greensburg, Ind. Combined window-shade and lace-curtain hanger. No. 881,977; Mar. 17; Sp. p. 2983; Dr. p. 635; Gaz. vol. 133; p. 549.
- Wagner, S., Allegheny, Pa. Ink-well. No. 876,751; Jan. 14; Sp. p. 2174; Dr. p. 477; Gaz. vol. 132; p. 385.
- Wagner, S. S., Lodi, Ohio. Onion cleaner and sorter. No. 887,445; May 12; Sp. p. 2277; Dr. pp. 477-8; Gaz. vol. 134; p. 394.
- Wagner, W. (See Jewell and Wagner.)
- Wagner, W. F., Washington, D. C. Drawing-board. No. 889,072; May 26; Sp. p. 5519; Dr. p. 1173; Gaz. vol. 134; p. 987.
- Wagner, W. H., Hebron, Nebr. Incubator-heater. No. 875,871; Jan. 7; Sp. p. 361; Dr. p. 80; Gaz. vol. 132; p. 66.
- Wagniere, A., Los Angeles, Cal. Measuring and gaging tool. No. 878,439; Feb. 4; Sp. p. 1088; Dr. p. 222; Gaz. vol. 132; p. 1028.
- Wahl Adding Machine Company. (See Wahl, J. C., assignor.)
- Wahl Adding Machine Company *et al.* (See Wahl and Goldberg, assignors.)
- Wahl, F. S., Olean, N. Y. Panel-box. No. 897,564; Sept. 1; Sp. p. 665; Dr. pp. 139-40; Gaz. vol. 136; p. 104.
- Wahl, J., New York, N. Y. Packing-box. No. 896,491; Aug. 18; Sp. p. 3415; Dr. p. 735; Gaz. vol. 135; p. 1501.
- Wahl, J. C., Chicago, Ill. Key-action. No. 886,447; May 5; Sp. p. 206; Dr. p. 44; Gaz. vol. 134; p. 39.
- Wahl, J. C., assignor to Wahl Adding Machine Company, Chicago, Ill. Calculating-machine. No. 893,717; July 21; Sp. p. 2705; Dr. pp. 568-9; Gaz. vol. 135; p. 496.
- Wahl, J. C., assignor to Wahl Adding Machine Company, Chicago, Ill. Calculating-machine. No. 893,718; July 21; Sp. p. 2724; Dr. pp. 569-70; Gaz. vol. 135; p. 497.
- Wahl, J. C., assignor to Wahl Adding Machine Company, Chicago, Ill. Calculating-machine. No. 893,719; July 21; Sp. p. 2750; Dr. pp. 571-2; Gaz. vol. 135; p. 498.
- Wahl, J. C., and H. E. Goldberg, assignors to Goldberg Calculating Machine Company and Wahl Adding Machine Company, Chicago, Ill. Calculating-machine. No. 896,871; Aug. 25; Sp. p. 4193; Dr. pp. 898-9; Gaz. vol. 135; p. 1648.
- Wahle, A., Davenport Iowa. Mechanical movement. No. 892,338; June 30; Sp. p. 6374; Dr. pp. 1374-5; Gaz. vol. 134; p. 2209.
- Wahle, O., Deutsch-Brod, assignor to H. Schnek, Vienna, Austria-Hungary. Gripper-needle for looms. No. 877,270; Jan. 21; Sp. p. 3274; Dr. p. 708; Gaz. vol. 132; p. 600.
- Wahle, O., Deutsch-Brod, assignor to H. Schnek, Vienna, Austria-Hungary. Mechanism for inserting separate-weft threads, such as horsehair and the like, in the shed. No. 877,271; Jan. 21; Sp. p. 3276; Dr. pp. 708-9; Gaz. vol. 132; p. 600.
- Wahler, O. J., Leavenworth, Kans. Machine for treating broom-corn. No. 883,596; Mar. 31; Sp. p. 6215; Dr. p. 1325; Gaz. vol. 133; p. 1138.
- Wahlquist, H., Philadelphia, Pa. Electric heater. No. 888,277; May 19; Sp. p. 3887; Dr. p. 819; Gaz. vol. 134; p. 696.
- Wahlstrom, V. J., assignor of one-half to B. T. Burchardi, Brooklyn, N. Y. Milling-machine. No. 884,243; Apr. 7; Sp. p. 1183; Dr. p. 249; Gaz. vol. 133; p. 1379.
- Wahlstrom, V. J., assignor of one-half to B. T. Burchardi, Brooklyn, N. Y. Chuck. No. 884,244; Apr. 7; Sp. p. 1185; Dr. p. 250; Gaz. vol. 133; p. 1379.
- Waibel, O., Singen, Germany. Trap for waste-pipes. No. 904,286; Nov. 17; Sp. p. 3602; Gaz. vol. 137; p. 642.
- Wailes, J. S., Mystic, Iowa. Medical cabinet. No. 895,919; Aug. 11; Sp. p. 2280; Dr. p. 487; Gaz. vol. 135; p. 1294.
- Wainford, R. H. (See Bailey and Wainford.)
- Wainwright, C. D. (See Buck, H. A., assignor.)

Alphabetical list of patentees—Continued.

- Wainwright, W. W., Connorsville, Ind. Motor-vehicle. No. 886,098; Apr. 28; Sp. p. 5006; Dr. pp. 1053-4; Gaz. vol. 133; p. 2071.
- Wainwright, W. W., Connorsville, Ind. Blower-casing. No. 902,702; Nov. 3; Sp. p. 339; Gaz. vol. 137; p. 57.
- Wais, C., Cincinnati, Ohio. Shearing-machine. No. 885,810; Apr. 28; Sp. p. 4416; Dr. p. 926; Gaz. vol. 133; p. 1976.
- Wait, C. E., Knoxville, Tenn. Bread and process of making same. No. 882,852; Mar. 24; Sp. p. 4703; Gaz. vol. 133; p. 868.
- Wait, L. A. (See Terry, E., assignor.)
- Wait, W. B., New York, N. Y. Press for embossed printing of literature, music, and the like, for reading by the blind. No. 900,622; Oct. 6; Sp. p. 1183; Dr. pp. 241-2; Gaz. vol. 136; p. 1254.
- Waite, F., Otley, England. Platen printing-press. No. 900,805; Oct. 13; Sp. p. 1567; Dr. p. 317; Gaz. vol. 136; p. 1341.
- Waite, F. E., *et al.* (See Wessel, K., assignor.)
- Waite, G. B., New York, N. Y. Centering for fireproof floor constructions. No. 883,434; Mar. 31; Sp. p. 5905; Dr. p. 1260; Gaz. vol. 133; p. 1089.
- Waite, H. E., Newton, Mass. Mail-marking machine. No. 907,922; Dec. 29; Sp. p. 5548; Gaz. vol. 137; p. 2016.
- Waite, J. W. (See Conrad, R., assignor.)
- Waite, J. W., Oil City, Pa. Apparatus for forcing fluid from wells. No. 886,280; Apr. 28; Sp. p. 5344; Dr. p. 1124; Gaz. vol. 133; p. 2132.
- Waite, L. I., Nicholson, Pa. Trellis. No. 890,948; June 16; Sp. p. 3583; Dr. p. 781; Gaz. vol. 134; p. 1688.
- Waite, O. T., *et al.* (See Wessel, K., assignor.)
- Waite Thresher Company. (See Chaplin, J. A., assignor.)
- Waite Thresher Company. (See Robertson, A., assignor.)
- Wakefield, J. E., Worcester, Mass. Wrench. No. 886,448; May 5; Sp. p. 210; Dr. p. 45; Gaz. vol. 134; p. 40.
- Wakefield, J. P., Winthrop, assignor of one-half to G. B. Lombard, Boston, Mass. Shoe-fastener. No. 884,628; Apr. 14; Sp. p. 1941; Dr. p. 417; Gaz. vol. 133; p. 1532.
- Wakley, W. R. C., and R. Parsons, London, England. Deodorizer for internal-combustion engines. No. 887,988; May 19; Sp. p. 3355; Dr. pp. 704-5; Gaz. vol. 134; p. 603.
- Walbridge, M. W., New York, N. Y. Infant's bib. No. 889,073; May 26; Sp. p. 5521; Dr. p. 1173; Gaz. vol. 134; p. 987.
- Walbridge, T. H., Toledo, Ohio. Felty. No. 888,558; May 26; Sp. p. 4471; Dr. p. 947; Gaz. vol. 134; p. 819.
- Walburn, G. L., Peru, Kans. Crate. No. 892,020; June 30; Sp. p. 5766; Dr. p. 1280; Gaz. vol. 134; p. 2103.
- Walch, G., Leipzig, Germany. Piano-violin. No. 884,785; Apr. 14; Sp. p. 2310; Dr. p. 485; Gaz. vol. 133; p. 1585.
- Walch, R. H. (See Harrison, A., assignor.)
- Walchner, B., New York, N. Y. Machine for splitting mica. No. 901,130; Oct. 13; Sp. p. 2215; Dr. pp. 450-1; Gaz. vol. 136; p. 1445.
- Walck, H. H., Chambersburg, Pa. Cross-head for locomotives. No. 896,339; Aug. 18; Sp. p. 3102; Dr. p. 667; Gaz. vol. 135; p. 1451.
- Walcutt, J. M., Douglaston, N. Y. Closing box. No. 893,040; July 14; Sp. p. 1328; Dr. p. 280; Gaz. vol. 135; p. 247.
- Walcutt, J. M., Douglaston, N. Y. Closing box. No. 896,779; Aug. 25; Sp. p. 3989; Dr. p. 588; Gaz. vol. 135; p. 1616.
- Walcutt, W. M., Columbus, Ohio. Hot-water heating system. No. 907,544; Dec. 22; Sp. p. 472; Gaz. vol. 137; p. 1862.
- Walcutt, W. M., Columbus, Ohio. Pressure-regulator for water-heating systems. No. 907,545; Dec. 22; Sp. p. 4724; Gaz. vol. 137; p. 1863.
- Waldburger, J. A., McKeesport, assignor to Forter Miller Engineering Company, Pittsburg, Pa. Furnace. No. 880,840; Mar. 3; Sp. p. 726; Dr. pp. 152-3; Gaz. vol. 133; p. 123.
- Waldeck, L., Philadelphia, Pa. Mail-bag catcher and deliverer. No. 894,551; July 28; Sp. p. 4543; Dr. p. 941; Gaz. vol. 135; p. 793.
- Walden, F. E., assignor to Walden Manufacturing Company, Worcester, Mass. Wrench. No. 890,111; June 9; Sp. p. 1829; Dr. p. 404; Gaz. vol. 134; p. 1382.
- Walden Manufacturing Company. (See Walden, F. E., assignor.)
- Walden, W. E., assignor of one-half to W. S. Hale, Marietta, Okla. Means for attaching implements to cultivator-frames. No. 883,435; Mar. 31; Sp. p. 5907; Dr. p. 1261; Gaz. vol. 133; p. 1090.
- Walden, W. H., East Macon, Ga. Railway-track fastener. (Reissue.) No. 12,852; Sept. 8; Sp. p. 2378; Dr. p. 508; Gaz. vol. 136; p. 412.
- Walden, E., assignor of two-thirds to A. Greiner and C. Merkling, Philadelphia, Pa. Bobbin-winder. No. 892,783; July 7; Sp. p. 767; Dr. pp. 162-3; Gaz. vol. 135; p. 132.
- Walder, H., Meilen, Switzerland. Speed-recorder. No. 890,949; June 16; Sp. p. 3585; Dr. p. 781; Gaz. vol. 134; p. 1688.
- Waldie, D., and G. W. Galway, Watertown, N. Y. Burial-case. No. 900,968; Oct. 13; Sp. p. 1915; Dr. p. 390; Gaz. vol. 136; p. 1394.
- Waldinger, G. A., and C. F. Iserloth, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dyeing. No. 882,543; Mar. 17; Sp. p. 4075; Gaz. vol. 133; p. 734.
- Waldmann, G., Geestmünde, Germany. Device for raising liquids. No. 882,725; Mar. 24; Sp. p. 4439; Dr. p. 944; Gaz. vol. 133; p. 826.
- Waldo, J. (See Fowler, J. N., assignor.)
- Waldorf, C. E., Bridgeport, Conn. Shade-bracket. No. 880,941; Mar. 3; Sp. p. 918; Dr. p. 197; Gaz. vol. 133; p. 155.
- Waldorf, E. C., Buffalo, N. Y. Egg-tester. No. 904,233; Nov. 17; Sp. p. 3495; Gaz. vol. 137; p. 625.
- Waldorf, J. W., St. Louis, Mo. Motor-vehicle. No. 877,022; Jan. 21; Sp. p. 2753; Dr. p. 597; Gaz. vol. 132; p. 516.
- Waldref, E. M., Leeds, Wis. Tobacco-lath holder. No. 902,784; Nov. 3; Sp. p. 483; Gaz. vol. 137; p. 84.
- Waldron, W. E., Newcastle, Pa. Automatic pawl-operating mechanism. No. 876,752; Jan. 14; Sp. p. 2174; Dr. p. 477; Gaz. vol. 132; p. 385.
- Waldrup, H. D., *et al.* (See Ponder and Shook, assignors.)
- Wales, C. (See McFarland and Wales.)
- Wales, C., assignor to Adder Machine Company, Detroit, Mich. Pneumatic motor for adding-machines. No. 880,607; Mar. 3; Sp. p. 243; Dr. p. 50; Gaz. vol. 133; p. 42.
- Wales, C., Cleveland, Ohio, assignor to Adder Machine Company, Kingston, Pa. Printing-eliminating device for adding-machines. No. 902,125; Oct. 27; Sp. p. 4295; Dr. p. 871; Gaz. vol. 136; p. 1836.
- Wales, L. C., Edgewood, R. I. Grinding-roll. No. 886,099; Apr. 28; Sp. p. 5003; Dr. p. 1054; Gaz. vol. 133; p. 2072.
- Wales, R. L., Knoxville, Tenn. Steam-trap. No. 895,702; Aug. 11; Sp. p. 1847; Dr. p. 362; Gaz. vol. 135; p. 1224.
- Walgren, S. P., Worthington, Minn. Land-roller. No. 880,608; Mar. 3; Sp. p. 245; Dr. p. 50; Gaz. vol. 133; p. 43.
- Walker, A. (See Walker, A. E., A., and G.)
- Walker, A., assignor to What Cheer Tool Co., What Cheer, Iowa. Drilling-machine. No. 877,749; Jan. 28; Sp. p. 4213; Dr. p. 913; Gaz. vol. 132; p. 774.
- Walker, A., Render, assignor of one-half to F. T. Walker, Hartford, Ky. Anticollision device. No. 905,774; Dec. 1; Sp. p. 1307; Gaz. vol. 137; p. 1197.
- Walker, A. E., A., and G., Norwood Green, near Halifax, England. Shuttle-box for rotary-box looms. No. 882,361; Mar. 17; Sp. p. 3741; Dr. p. 796; Gaz. vol. 133; p. 674.
- Walker, A. L., Dongan Hills, N. Y. Casting-machine. No. 878,102; Feb. 4; Sp. p. 421; Dr. pp. 89-90; Gaz. vol. 132; p. 917.
- Walker, A. U., *et al.* (See Williams, H. E., assignor.)
- Walker, A. V., Leominster, Mass. Abrading-machine. No. 890,542; June 9; Sp. p. 2696; Dr. pp. 594-5; Gaz. vol. 134; p. 1521.
- Walker, A. W., Boston, Mass. Spring arch-support for shoes. No. 892,386; June 30; Sp. p. 6466; Dr. p. 1394; Gaz. vol. 134; p. 2223.
- Walker, B., Shelley, near Huddersfield, and A. Spink, Leeds, England. Loom for weaving pile fabrics. No. 900,136; Oct. 6; Sp. p. 134; Dr. p. 28; Gaz. vol. 136; p. 1094.
- Walker, C. (See Smith and Walker.)
- Walker, C., Chicago, Ill. Rope halter. No. 897,565; Sept. 1; Sp. p. 669; Dr. p. 140; Gaz. vol. 136; p. 105.
- Walker, C. A., Louisville, Ohio. Surgical splint. No. 896,674; Aug. 18; Sp. p. 3751; Dr. p. 808; Gaz. vol. 135; p. 1557.
- Walker, C. E., Louisville, Ky. Penholder. No. 875,754; Jan. 7; Sp. p. 152; Dr. p. 34; Gaz. vol. 132; p. 29.
- Walker, C. J., North Fitzroy, near Melbourne, Victoria, Australia. Boot and shoe. No. 879,704; Feb. 18; Sp. p. 3738; Dr. p. 784; Gaz. vol. 132; p. 1514.
- Walker, C. J., North Fitzroy, near Melbourne, Victoria, Australia. Boot and shoe. No. 884,880; Apr. 14; Sp. p. 2484; Dr. p. 523; Gaz. vol. 133; p. 1616.
- Walker, C. V., Bozeman, Mont. Sash-fastener. No. 893,768; July 21; Sp. p. 2903; Dr. p. 596; Gaz. vol. 135; p. 516.
- Walker, E. C., Erie, Pa. Ice-cream dipper. No. 892,633; July 7; Sp. p. 470; Dr. p. 100; Gaz. vol. 135; p. 84.
- Walker, E. C. (See Fischer, Zimmerman, and Walker.)
- Walker, E. M., Wichita, Kans. Mold. No. 884,965; Apr. 14; Sp. p. 2650; Dr. p. 563; Gaz. vol. 133; p. 1641.
- Walker, E. M., assignor to Charles Parker Company, Meriden, Conn. Double-swivel vise. No. 903,345; Nov. 10; Sp. p. 1617; Gaz. vol. 137; p. 296.
- Walker, E. N. (See Brady, J. W., assignor.)
- Walker, E. R., Chicago, Ill. Combination-lock bank. No. 879,602; Feb. 18; Sp. p. 2532; Dr. p. 740; Gaz. vol. 152; p. 1480.
- Walker, F. G., Cleveland, Ohio. Trolley-wheel. No. 884,546; Apr. 14; Sp. p. 1780; Dr. p. 383; Gaz. vol. 133; p. 1506.
- Walker, F. H., Atwood, Kans. Starting device for internal-combustion engines. No. 882,597; Mar. 24; Sp. p. 4185; Dr. p. 887; Gaz. vol. 133; p. 784.
- Walker, F. T. (See Walker, A., assignor.)
- Walker, G. (See Walker, A. E., A., and G.)
- Walker, G., New York, N. Y. Wood-distilling apparatus. No. 904,165; Nov. 17; Sp. p. 3322; Gaz. vol. 137; p. 600.
- Walker, G., assignor of two-thirds to J. Burnstiel, Carnegie, and M. Zeugschmidt, Pittsburg, Pa. Curtain and pole holder. No. 882,853; Mar. 24; Sp. p. 4704; Dr. p. 1000; Gaz. vol. 133; p. 868.

Alphabetical list of patentees—Continued.

- Walker, G. A., Jet, Okla. Ice-tongs. No. 878,839; Feb. 11; Sp. p. 1981; Dr. p. 411; Gaz. vol. 132; p. 1193.
- Walker, G. A., assignor to Jet Manufacturing Company, Jet, Okla. Hay-barrack. No. 879,071; Feb. 11; Sp. p. 2409; Dr. p. 504; Gaz. vol. 132; p. 1265.
- Walker, G. A. T., Swampscott, Mass. Cigar-holder. No. 894,475; July 28; Sp. p. 4391; Dr. p. 906; Gaz. vol. 135; p. 769.
- Walker, G. F., assignor to D. Ambrose, Ambridge, Pa. Car-lender. No. 899,689; Sept. 29; Sp. p. 4830; Dr. p. 1036; Gaz. vol. 136; p. 917.
- Walker, G. S., Wheeling, W. Va. Automatic water-heater. No. 886,100; Apr. 28; Sp. p. 5010; Dr. p. 1054; Gaz. vol. 133; p. 2072.
- Walker, H., Sistersville, W. Va. Muscle-roll-perforating mechanism. No. 908,175; Dec. 29; Sp. p. 6079; Gaz. vol. 137; p. 2100.
- Walker, H., and F. Weirs, Boyesville, Ohio. Rail-joint. No. 897,177; Aug. 25; Sp. p. 4838; Dr. p. 1029; Gaz. vol. 135; p. 1748.
- Walker, H. A., assignor of one-half to W. G. Compton, Johannesburg, Transvaal. Safety-brake mechanism for mine-cages and the like. No. 902,703; Nov. 3; Sp. p. 341; Gaz. vol. 137; p. 58.
- Walker, H. E., Detroit, Mich. Fan. No. 896,492; Aug. 18; Sp. p. 3416; Dr. p. 735; Gaz. vol. 135; p. 1501.
- Walker, H. M., Maplesville, Ala. Fireplace. No. 876,670; Jan. 14; Sp. p. 2032; Dr. p. 443; Gaz. vol. 132; p. 361.
- Walker, H. V., New York, N. Y. Producing insecticidal gas. No. 905,609; Dec. 1; Sp. p. 999; Gaz. vol. 137; p. 1143.
- Walker, I. (See Sherwood, C., assignor.)
- Walker, I. P., Tyler, Tex. Tile roofing or covering. No. 892,917; July 7; Sp. p. 1068; Dr. p. 224; Gaz. vol. 135; p. 177.
- Walker, J. (See Lapham and Walker.)
- Walker, J., Jr. (See Hewitt and Walker.)
- Walker, J., Canonsburg, Pa. Postal card. No. 876,117; Jan. 7; Sp. p. 844; Dr. p. 181; Gaz. vol. 132; p. 143.
- Walker, J., Alexandria, Va. Brick-handling device for brick-machines. No. 899,086; Sept. 22; Sp. p. 3633; Dr. p. 779; Gaz. vol. 136; p. 686.
- Walker, J., Alexandria, Va. Rotary brick-machine. No. 899,087; Sept. 22; Sp. p. 3634; Dr. p. 779; Gaz. vol. 136; p. 687.
- Walker, J. A., Minneapolis, Minn. Sad-iron heater. No. 879,222; Feb. 18; Sp. p. 2727; Dr. p. 569; Gaz. vol. 132; p. 1356.
- Walker, J. A., Los Angeles, Cal. Boat-propelling device. No. 894,412; July 28; Sp. p. 4208; Dr. pp. 880-1; Gaz. vol. 135; p. 748.
- Walker, J. B., Punxsutawney, Pa. Rotary engine. No. 889,995; June 9; Sp. p. 1598; Dr. p. 358; Gaz. vol. 134; p. 1343.
- Walker, J. C., Waco, Tex. Rotary explosive-engine. No. 883,363; Mar. 31; Sp. p. 5724; Dr. pp. 1221-2; Gaz. vol. 133; p. 1054.
- Walker, J. H. (See Garrett and Walker.)
- Walker, J. H., Lexington, Ky. Trolley-pole catcher. No. 899,578; Sept. 29; Sp. p. 4615; Dr. pp. 991-2; Gaz. vol. 136; p. 883.
- Walker, J. H., Scranton, Pa. Separator for coal. No. 904,738; Nov. 24; Sp. p. 4531; Gaz. vol. 137; p. 819.
- Walker, J. M., Augusta, Ga. Store-fixture. No. 901,665; Oct. 20; Sp. p. 3332; Dr. pp. 684-5; Gaz. vol. 136; p. 1656.
- Walker, J. O., Burlington, Iowa. Disinfectant-distributor. No. 904,739; Nov. 24; Sp. p. 4533; Gaz. vol. 137; p. 819.
- Walker, J. O., Memphis, Tenn. Lock-nut. No. 908,363; Dec. 29; Sp. p. 6483; Gaz. vol. 137; p. 2166.
- Walker, J. W. (See Heilbron and Walker.)
- Walker, J. W., Leeds, England. Heel for boots and shoes. No. 895,130; Aug. 4; Sp. p. 709; Dr. p. 148; Gaz. vol. 135; p. 1012.
- Walker, J. W., Clarinda, Iowa. Combined rural-mail delivery cabinet and heater. No. 904,740; Nov. 24; Sp. p. 4534; Gaz. vol. 137; p. 820.
- Walker, L. A., South Bend, Ind. Dowel cutting and pointing machine. No. 907,201; Dec. 22; Sp. p. 4042; Gaz. vol. 137; p. 1747.
- Walker, L. B., Poplar Bluff, Mo. Type-writer cabinet. No. 894,298; July 28; Sp. p. 4033; Dr. p. 833; Gaz. vol. 135; p. 710.
- Walker, M. J., Salt Lake City, Utah. Ironing-table. No. 900,623; Oct. 6; Sp. p. 1184; Dr. p. 242; Gaz. vol. 136; p. 1254.
- Walker, S. K., Colorado Springs, Colo. Necktie-holder. No. 906,837; Dec. 15; Sp. p. 3323; Gaz. vol. 137; p. 1593.
- Walker, S. M., Laurel, Ind. Gape-worm extractor. No. 892,472; July 7; Sp. p. 156; Dr. p. 34; Gaz. vol. 135; p. 31.
- Walker, S. W., Anson, assignor of one-half to J. W. Hannagan, Madison, Me. Wheel-jack. No. 878,580; Feb. 11; Sp. p. 1487; Dr. p. 301; Gaz. vol. 132; p. 1110.
- Walker, T., Pleasant Hill, Oreg. Carpet-stretcher. No. 891,645; June 23; Sp. p. 5017; Dr. p. 1080; Gaz. vol. 134; p. 1449.
- Walker, T. A., Augusta, Ark. Automatic switch-lock. No. 907,202; Dec. 22; Sp. p. 4045; Gaz. vol. 137; p. 1747.
- Walker, T. H., Kansas City, Mo. Sheet-metal radiator manufacture. No. 881,270; Mar. 10; Sp. p. 1547; Dr. p. 333; Gaz. vol. 133; p. 292.
- Walker, T. H., Kansas City, Mo. Fire protective system. No. 881,271; Mar. 10; Sp. p. 1551; Dr. p. 334; Gaz. vol. 133; p. 292.
- Walker, W., Sedalia, Colo. Puzzle. No. 907,203; Dec. 22; Sp. p. 4047; Gaz. vol. 137; p. 1748.
- Walker, W. A., Sr., Allegheny, assignor of seven-sixteenths to F. Johnston, Ben Avon, Pa. Furnace construction. No. 906,341; Dec. 8; Sp. p. 2403; Gaz. vol. 137; p. 1412.
- Walker, W. A. and W. T., Racine, Wis. Wagon-tongue support. No. 892,696; July 7; Sp. p. 590; Dr. p. 127; Gaz. vol. 135; p. 104.
- Walker, W. F., York, Pa. Safety-spring for steam and compressed-air hammers. No. 877,387; Jan. 21; Sp. p. 3489; Dr. p. 757; Gaz. vol. 132; p. 636.
- Walker, W. J., Boston, Mass. Clock-case. No. 904,581; Nov. 24; Sp. p. 4210; Gaz. vol. 137; p. 766.
- Walker, W. J. M., Brooklyn, N. Y. Game-board. No. 896,340; Aug. 18; Sp. p. 3104; Dr. p. 667; Gaz. vol. 135; p. 1451.
- Walker, W. L., and L. J. Eyth, Butler, Pa. Rail-fastener. No. 898,291; Sept. 8; Sp. p. 2133; Dr. p. 453; Gaz. vol. 136; p. 369.
- Walker, W. P., Fort Sill, Okla. Undergarment. No. 894,086; July 21; Sp. p. 3564; Dr. p. 733; Gaz. vol. 135; p. 621.
- Walker, W. P., Edmonton, Alberta, Canada. Ratchet-wrench. No. 898,806; Sept. 15; Sp. p. 3127; Dr. p. 670; Gaz. vol. 136; p. 568.
- Walker, W. R., Chicago, Ill. Manufacturing steel. No. 906,757; Dec. 15; Sp. p. 3180; Gaz. vol. 137; p. 1570.
- Walker, W. T. (See Walker, W. A. and W. T.)
- Wall, C., Philadelphia, Pa. Skate. No. 883,923; Apr. 7; Sp. p. 510; Dr. p. 101; Gaz. vol. 133; p. 1273.
- Wall, C. F., and C. Saile, Philadelphia, Pa.; said Saile assignor to said Wall. Machine for grinding toric lenses. No. 881,168; Mar. 10; Sp. p. 1345; Dr. p. 290; Gaz. vol. 133; p. 259.
- Wall, C. F., and C. Saile, Philadelphia, Pa.; said Saile assignor to said Wall. Machine for grinding toric lenses. (Reissue.) No. 12,790; May 5; Sp. p. 1416; Dr. p. 301; Gaz. vol. 134; p. 235.
- Wall, G. L., assignor to Lima Locomotive and Machine Company, Lima, Ohio. Driving-wheel and gear-rim connection. No. 884,693; Apr. 14; Sp. p. 2104; Dr. p. 449; Gaz. vol. 133; p. 1555.
- Wall, G. L., and L. E. Feightner, assignors to Lima Locomotive and Machine Company, Lima, Ohio. Locomotive. No. 893,041; July 14; Sp. p. 1329; Dr. p. 280; Gaz. vol. 135; p. 247.
- Wall, L. D. (See Shriver and Wall.)
- Wall, R., Detroit, Mich. Carriage-curtain. No. 891,118; June 16; Sp. p. 3892; Dr. p. 852; Gaz. vol. 134; p. 1742.
- Wall, T. J., Buffalo, N. Y. Bustle or distender. No. 891,886; June 30; Sp. p. 5504; Dr. pp. 1189-90; Gaz. vol. 134; p. 2061.
- Wall, W., *et al.* (See Crozier, T. W., assignor.)
- Wallace, A. P., Keithsburg, Ill. Machine for cutting button-blanks from shells. No. 904,103; Nov. 17; Sp. p. 3178; Gaz. vol. 137; p. 577.
- Wallace, E. D. (See Barrett and Wallace.)
- Wallace, E. M., St. Joseph, Mo. Heating device for incubators. No. 888,208; May 19; Sp. p. 3764; Dr. p. 790; Gaz. vol. 134; p. 672.
- Wallace, E. M., St. Joseph, Mo. Brooder. No. 888,278; May 19; Sp. p. 3889; Dr. pp. 819-20; Gaz. vol. 134; p. 696.
- Wallace, G. G. (See Payne and Wallace.)
- Wallace, H. (See Ambler and Wallace.)
- Wallace, H. A., New York, N. Y., assignor to Union Switch & Signal Company, Swissvale, Pa. Variable-resistance coil. No. 890,737; June 16; Sp. p. 3151; Dr. p. 690; Gaz. vol. 134; p. 1619.
- Wallace, H. C., McPherson, Kans. Bundle-straightener for threshing-machines. No. 887,555; May 12; Sp. p. 2503; Dr. pp. 527-8; Gaz. vol. 134; p. 430.
- Wallace, J. (See Mayr and Wallace.)
- Wallace, J., Burnett, Cal. Door stop and holder. No. 894,355; July 28; Sp. p. 4141; Dr. p. 855; Gaz. vol. 135; p. 730.
- Wallace, J. A., Mishawaka, Ind. Lacing attachment for shoe-trees. No. 878,581; Feb. 11; Sp. p. 1483; Dr. p. 301; Gaz. vol. 132; p. 1110.
- Wallace, J. E., Woburn, Mass. Latch for movable lids. No. 891,887; June 30; Sp. p. 5506; Dr. p. 1190; Gaz. vol. 134; p. 2061.
- Wallace, J. E., Blackwell, Okla. Combined hog shed and chute. No. 896,256; Aug. 18; Sp. p. 2924; Dr. p. 630; Gaz. vol. 135; p. 1425.
- Wallace, J. H., New York, N. Y. Paper-making-machine drive. No. 904,582; Nov. 24; Sp. p. 4211; Gaz. vol. 137; p. 767.
- Wallace, J. K. (See Carter, O. L., assignor.)
- Wallace, J. M., assignor of one-half to R. W. Thomson, Spartanburg, S. C. Combination-tool. No. 876,919; Jan. 14; Sp. p. 2502; Dr. p. 546; Gaz. vol. 132; p. 440.
- Wallace, J. T., New York, N. Y. Letter and other character. No. 900,969; Oct. 13; Sp. p. 1917; Dr. p. 390; Gaz. vol. 136; p. 1394.
- Wallace, O., assignor of one-half to L. J. Voell, Elmwood Place, Ohio. Clamp. No. 898,896; Sept. 8; Sp. p. 2320; Dr. p. 493; Gaz. vol. 136; p. 404.
- Wallace, T. V., Monongahela, Pa. Rein-holder support. No. 897,178; Aug. 25; Sp. p. 4839; Dr. p. 1029; Gaz. vol. 135; p. 1748.
- Wallace, T. V., Monongahela, Pa. Harness-coupling. No. 903,639; Nov. 10; Sp. p. 2220; Gaz. vol. 137; p. 392.
- Wallace, W., Bakersfield, Cal. Oil-well pump. No. 876,118; Jan. 7; Sp. p. 844; Dr. p. 181; Gaz. vol. 132; p. 143.
- Wallace, W. E., West Middlesex, Pa. Core for making concrete culverts. No. 879,340; Feb. 18; Sp. p. 2953; Dr. p. 616; Gaz. vol. 132; p. 1395.
- Wallace, W. H., Indianapolis, Ind. Ice-cream cooler and soda-fountain. No. 891,577; June 23; Sp. p. 4855; Dr. p. 1046; Gaz. vol. 134; p. 1925.
- Wallace, W. H., Salt Lake City, Utah. Single-delivery match-box. No. 908,364; Dec. 29; Sp. p. 6484; Gaz. vol. 137; p. 2166.
- Wallace, W. W., Knoxville, Tenn. Dumping-car. No. 889,865; June 2; Sp. p. 1310; Dr. pp. 300-1; Gaz. vol. 134; p. 1273.
- Wallace, W. W., Springfield, Mass. Pianoforte-action. No. 904,904; Nov. 24; Sp. p. 4894; Gaz. vol. 137; p. 874.

Alphabetical list of patentees—Continued.

- Waller, W. C., Bylesville, assignor of three-twelfths to W. Marple, Zanesville, one-twelfth to J. G. Morris, and one-twelfth to H. B. Pearce, Bylesville, Ohio. Folding umbrella. No. 879,072; Feb. 11; Sp. p. 2410; Dr. p. 505; Gaz. vol. 132; p. 1265.
- Wallen, A. B., assignor to J. E. Anderson, Falconer, N. Y. Tobacco-pipe cleaner. No. 884,057; Apr. 7; Sp. p. 782; Dr. p. 163; Gaz. vol. 133; p. 1318.
- Wallen, C. J., assignor to C. Lindbeck and C. Swanson, Jamestown, N. Y. Roller window-screen. No. 881,507; Mar. 10; Sp. p. 2023; Dr. p. 441; Gaz. vol. 133; p. 367.
- Wallenthin, W., assignor to S. O. Bigney and Company, Attleboro, Mass. Joint for bracelets. No. 900,624; Oct. 6; Sp. p. 1185; Dr. p. 243; Gaz. vol. 136; p. 1255.
- Waller, C. (See Waller, G. E., C., and R. J.)
- Waller, G. E., C., and R. J., Halls Summit, Kans. Combined corn harvester and shocker. No. 883,597; Mar. 31; Sp. p. 6217; Dr. pp. 1325-6; Gaz. vol. 133; p. 1138.
- Waller, J. B., Kansas City, Mo. Cutting-tool. No. 877,813; Jan. 28; Sp. p. 4316; Dr. p. 937; Gaz. vol. 132; p. 793.
- Waller, M. E., Bethel, Vt. Foot-warmer. No. 885,112; Apr. 21; Sp. p. 2949; Dr. p. 625; Gaz. vol. 133; p. 1721.
- Waller, R. J. (See Waller, G. E., C., and R. J.)
- Wallerstein, F., Brooklyn, N. Y. Clothes-beating apparatus. No. 881,978; Mar. 17; Sp. p. 2985; Dr. pp. 635-6; Gaz. vol. 133; p. 555.
- Wallerstein, M., New York, N. Y. Preparing calcium sulfate. No. 879,603; Feb. 18; Sp. p. 3536; Gaz. vol. 132; p. 1480.
- Wallerstein, M., New York, N. Y. Preparing brewing-waters. No. 879,843; Feb. 18; Sp. p. 4012; Gaz. vol. 132; p. 1560.
- Wallerstein, M., New York, N. Y. Making fermented beverages. No. 905,029; Nov. 24; Sp. p. 5142; Gaz. vol. 137; p. 916.
- Wallgreen, C. E., Adams, N. D. Automatic wire-reel. No. 880,114; Feb. 25; Sp. p. 4585; Dr. p. 966; Gaz. vol. 132; p. 1680.
- Wallin Addressing Machine Manufacturing Company. (See Wallin, G. E., assignor.)
- Wallin, G. E., assignor to Wallin Addressing Machine Manufacturing Company, Kansas City, Mo. Wide-spacing attachment for linotype-machines. No. 887,678; May 12; Sp. p. 2724; Dr. p. 576; Gaz. vol. 134; p. 470.
- Wallin, G. E., Pocatello, Idaho, assignor to Wallin Addressing Machine Manufacturing Company, Kansas City, Mo. Linotype-slug trimmer. No. 889,074; May 26; Sp. p. 5521; Dr. p. 1174; Gaz. vol. 134; p. 987.
- Wallin, G. E., Pocatello, Idaho, assignor to Wallin Addressing Machine Manufacturing Company, Kansas City, Mo. Copy-holder. No. 890,474; June 9; Sp. p. 2564; Dr. p. 568; Gaz. vol. 134; p. 1498.
- Wallin, G. S., assignor to Firm of Nya Aktiebolaget Atlas, Stockholm, Sweden. Pneumatic hammer. No. 888,279; May 19; Sp. p. 3890; Dr. p. 820; Gaz. vol. 134; p. 696.
- Wallin, J. (See Lindstrom and Wallin.)
- Wallingford, D. K., Indianapolis, Ind. Safety attachment for elevators. No. 889,833; June 2; Sp. p. 1250; Dr. p. 288; Gaz. vol. 134; p. 1262.
- Wallis, C. W., Los Angeles, Cal. Garment-supporter. No. 900,625; Oct. 6; Sp. p. 1187; Dr. p. 243; Gaz. vol. 136; p. 1255.
- Wallis, J. E., Philadelphia, Pa. Fastener. No. 904,384; Nov. 17; Sp. p. 3782; Gaz. vol. 137; p. 674.
- Wallis, J. T., Philadelphia, Pa. Crane-door. No. 899,930; Sept. 29; Sp. p. 5364; Dr. pp. 1143-4; Gaz. vol. 136; p. 997.
- Wallis, M. O., administratrix. (See Wallis, T. H.)
- Wallis, T. H., deceased, Ocala, Fla.; M. O. Wallis, administratrix, assignor to W. J. Acosta, Greyton, Ga. Syringe. No. 883,153; Mar. 24; Sp. p. 5292; Dr. p. 1129; Gaz. vol. 133; p. 967.
- Wallis, T. R., Searcy, Ark. Plow-brace. No. 906,838; Dec. 15; Sp. p. 3324; Gaz. vol. 137; p. 1593.
- Walls, C. P., Mitchell, assignor to H. H. Walls and W. S. Holcombe, Bedford, Ind. Trap-nest. No. 892,339; June 30; Sp. p. 6377; Dr. p. 1375; Gaz. vol. 134; p. 2209.
- Walls, H. H., *et al.* (See Walls, C. P., assignor.)
- Wallstein, F., New York, N. Y. Game apparatus. No. 877,814; Jan. 28; Sp. p. 4318; Dr. p. 937; Gaz. vol. 132; p. 793.
- Wallstein, F., New York, N. Y. Game-piece. No. 902,512; Oct. 27; Sp. p. 5141; Dr. p. 1041; Gaz. vol. 136; p. 1965.
- Wallwork, W. A., Louisville, Ky. Liquid-weighing device. No. 896,257; Aug. 18; Sp. p. 2926; Dr. p. 630; Gaz. vol. 135; p. 1425.
- Wally, J. C., Kittanning, Pa. Well-drilling apparatus. No. 878,916; Feb. 11; Sp. p. 2133; Dr. p. 445; Gaz. vol. 132; p. 1217.
- Walrath, A. A., Fort Plain, N. Y. Game apparatus. No. 881,835; Mar. 10; Sp. p. 2665; Dr. p. 570; Gaz. vol. 133; p. 474.
- Walser, H. J., Cleveland, Ohio. Electric sign. No. 902,028; Oct. 27; Sp. p. 4114; Dr. p. 833; Gaz. vol. 136; p. 1806.
- Walser, J. J., assignor to Goss Printing Press Company, Chicago, Ill. Rotary folding mechanism for printing-presses. No. 899,771; Sept. 29; Sp. p. 5020; Dr. p. 1076; Gaz. vol. 136; p. 946.
- Walser, J. J., assignor to Goss Printing Press Company, Chicago, Ill. Rotary folding mechanism for printing-presses. No. 899,772; Sept. 29; Sp. p. 5022; Dr. p. 1077; Gaz. vol. 136; p. 946.
- Walsh, H. H., Newburgh, N. Y. Removable sleigh-runner for vehicles. No. 878,259; Feb. 4; Sp. p. 749; Dr. p. 151; Gaz. vol. 132; p. 969.
- Walsh, H. H., Newburgh, N. Y. Brick-truck. No. 907,923; Dec. 29; Sp. p. 5552; Gaz. vol. 137; p. 2016.
- Walsh, H. H., Little Ferry, N. J. Dumping-wagon. No. 890,318; June 9; Sp. p. 2290; Dr. p. 504; Gaz. vol. 134; p. 1450.
- Walsh, J. D., St. Louis, Mo. Pleasure-car. No. 905,391; Dec. 1; Sp. p. 520; Gaz. vol. 137; p. 1073.
- Walsh, J. D., assignor to American District Steam Company, Lockport, N. Y. Meter. No. 905,254; Dec. 1; Sp. p. 256; Gaz. vol. 137; p. 1027.
- Walsh, J. J., *et al.* (See MacMillan, W., assignor.)
- Walsh, J. J., Elizabeth, N. J. Resetting device for adding-machines. No. 897,688; Sept. 1; Sp. p. 900; Dr. p. 193; Gaz. vol. 136; p. 145.
- Walsh, J. J., assignor to Yonkers Specialty Company, Yonkers, N. Y. Wire-connector. No. 875,872; Jan. 7; Sp. p. 362; Dr. p. 80; Gaz. vol. 132; p. 67.
- Walsh, J. M., Beaumont, Tex. Street-pavement. No. 890,110; June 9; Sp. p. 1828; Gaz. vol. 134; p. 1382.
- Walsh, J. P., St. Paul, Minn. Rotary explosive-engine. No. 885,113; Apr. 21; Sp. p. 2950; Dr. pp. 625-6; Gaz. vol. 133; p. 1721.
- Walsh, M. J., assignor of one-half to F. Unienhaut, Pittsburg, Pa. Railway-crossing frog. No. 902,268; Oct. 27; Sp. p. 4591; Dr. p. 933; Gaz. vol. 136; p. 1882.
- Walsh, T., Chicago, Ill. Curtain-pole and shade fixture. No. 906,970; Dec. 15; Sp. p. 3573; Gaz. vol. 137; p. 1636.
- Walsh, T., assignor to Swift and Company, Chicago, Ill. Meat-hanger. No. 891,307; June 23; Sp. p. 4293; Dr. p. 938; Gaz. vol. 134; p. 1837.
- Walsh, W. J., Ferris, Tex. Acetylene-gas generator. No. 876,119; Jan. 7; Sp. p. 847; Dr. p. 181; Gaz. vol. 132; p. 144.
- Walsh, W. J., Boston, Mass. Cutting and stripping device for spool adhesive plasters. No. 879,223; Feb. 18; Sp. p. 2728; Dr. p. 569; Gaz. vol. 132; p. 1356.
- Waltemeyer, T. S., *et al.* (See Wiest, J. H., assignor.)
- Walton, A. C., Alex, Okla. Spring mechanism for cultivator-shovels. No. 894,247; July 28; Sp. p. 3912; Dr. p. 809; Gaz. vol. 135; p. 693.
- Walton, B. M. C., Kansas City, Mo. Portable fire-escape. No. 878,695; Feb. 11; Sp. p. 1705; Dr. p. 352; Gaz. vol. 132; p. 1147.
- Walton, E., Harrisburg, Pa. Mirror attachment for table implements. No. 886,746; May 5; Sp. p. 847; Dr. p. 176; Gaz. vol. 134; p. 140.
- Walton, E. E., Chicago, Ill. Piano. No. 888,209; May 19; Sp. p. 3765; Dr. p. 790; Gaz. vol. 134; p. 673.
- Walton, F. D. (See Welch, G. F., assignor.)
- Walton, H. E., Wakefield, Kans. Hand-punch. No. 889,075; May 26; Sp. p. 5522; Dr. p. 1174; Gaz. vol. 134; p. 987.
- Walton, H. J., Kane, Pa. Method of and apparatus for drawing sheets of glass. No. 885,896; Apr. 28; Sp. p. 4573; Dr. p. 959; Gaz. vol. 133; p. 2005.
- Walton, J. J., New Albany, Ind. Metal-crimping machine. No. 901,131; Oct. 13; Sp. p. 2217; Dr. p. 451; Gaz. vol. 136; p. 1445.
- Walton, M., Paterson, N. J. Lease-reed. No. 881,169; Mar. 10; Sp. p. 1349; Dr. p. 291; Gaz. vol. 133; p. 259.
- Walton, M. L., Kramer, N. D. Envelop. No. 883,364; Mar. 31; Sp. p. 5730; Dr. p. 1222; Gaz. vol. 133; p. 1054.
- Walton R. Johnston Manufacturing Company. (See Johnston, W. R., assignor.)
- Walterbach, A., South Milwaukee, and L. Heil, Marshfield, Wis. Fly-protector for screen-doors. No. 884,547; Apr. 14; Sp. p. 1782; Dr. p. 383; Gaz. vol. 133; p. 1506.
- Walters, B., Bunola, Pa. Burglar-proof safe. No. 893,288; July 14; Sp. p. 1822; Dr. p. 382; Gaz. vol. 135; p. 328.
- Walters, G. W., Cape Girardeau, Mo. Portable fence. No. 907,204; Dec. 22; Sp. p. 4048; Gaz. vol. 137; p. 1748.
- Walters, H. C., Newark, assignor of one-fourth to G. D. Richards, East Orange, N. J. Umbrella, parasol, and the like. No. 892,473; July 7; Sp. p. 137; Dr. p. 34; Gaz. vol. 135; p. 31.
- Walters, O. W., Bloomington, Ill. Horse-collar. No. 905,961; Dec. 8; Sp. p. 1665; Gaz. vol. 137; p. 1287.
- Waltham Mfg. Company. (See Howe, F. D., assignor.)
- Waltham Watch Company. (See Ohlson, O., assignor.)
- Walther, C., Oakland, Cal. Rake. No. 897,689; Sept. 1; Sp. p. 903; Dr. pp. 193-4; Gaz. vol. 136; p. 145.
- Walther, J. J., Booneville, Mo. Piling. No. 904,030; Nov. 17; Sp. p. 3032; Gaz. vol. 137; p. 552.
- Walther, J. W., Homburg, Germany. Electric-alarm thermometer. No. 887,157; May 12; Sp. p. 1614; Dr. p. 343; Gaz. vol. 134; p. 297.
- Walton, A. W., assignor to Western Conveyor and Harvester Company, Bozeman, Mont. Conveyor-belt. No. 894,355; July 28; Sp. p. 4142; Dr. p. 856; Gaz. vol. 135; p. 739.
- Walton, C., Woodbury, N. J. Railway-lift fastener. No. 884,435; Apr. 14; Sp. p. 1543; Dr. p. 331; Gaz. vol. 133; p. 1469.
- Walton, E. (See Eicholz, J. A., assignor.)
- Walton, F., London, England. Apparatus for embossing and coloring or printing lincrusta or like material. No. 898,292; Sept. 8; Sp. p. 2134; Dr. p. 454; Gaz. vol. 136; p. 369.
- Walton, G. E., Daytona, Fla. Ship. No. 893,116; July 14; Sp. p. 1478; Dr. pp. 311-12; Gaz. vol. 135; p. 272.

Alphabetical list of patentees—Continued.

- Walton, J., assignor to Allis-Chalmers Company, Milwaukee, Wis. Stop mechanism for sawmill set-works. No. 899,579; Sept. 29; Sp. p. 4618; Dr. p. 992; Gaz. vol. 136; p. 883.
- Walton, J. S., Georgetown, Ky. Combined wagon-bed and hay-rack. No. 883,989; Apr. 7; Sp. p. 655; Dr. p. 132; Gaz. vol. 133; p. 1296.
- Walton, S. T., assignor to Unit Steel Cabinet Company, Brooklyn, N. Y. Card-file. No. 901,856; Oct. 20; Sp. p. 3743; Dr. p. 761; Gaz. vol. 136; p. 1719.
- Walton, W. D., St. Joseph, Mo. Mail-catcher. No. 905,030; Nov. 24; Sp. p. 5144; Gaz. vol. 137; p. 916.
- Walton, W. T., Orlando, Okla. Brake-lever hanger. No. 884,881; Apr. 14; Sp. p. 2485; Dr. p. 524; Gaz. vol. 133; p. 1616.
- Waltrip, H. B., Cleaton, Ky. Dinner-pail. No. 899,360; Sept. 22; Sp. p. 4182; Dr. p. 895; Gaz. vol. 136; p. 776.
- Waltz, D. A., Salt Lake City, Utah. Bed-pan. No. 897,434; Sept. 1; Sp. p. 402; Dr. p. 86; Gaz. vol. 136; p. 62.
- Waltz, E. W., Newberry, Pa. Overshoe-clamp. No. 901,132; Oct. 13; Sp. p. 2219; Dr. p. 452; Gaz. vol. 136; p. 1445.
- Waltz, P. W., Vallejo, Cal. Vehicle-wheel. No. 878,440; Feb. 4; Sp. p. 1089; Dr. p. 222; Gaz. vol. 132; p. 1028.
- Walz, H. J. (See Butler, J. W., assignor.)
- Walz, H. J., Buffalo, and J. W. Butler, Hermitage, N. Y. Egg-strainer. No. 896,493; Aug. 18; Sp. p. 3416; Dr. pp. 735-6; Gaz. vol. 135; p. 1502.
- Walzel, G., New York, N. Y. Insulating-wall. No. 896,780; Aug. 25; Sp. p. 3993; Dr. p. 858; Gaz. vol. 135; p. 1617.
- Wanderer Fahrradwerke vorm. Winkelhoier & Faenicke A. G. (See Mohms, C. J., assignor.)
- Wanee, W., Red Bluff, Cal. Hand-truck. No. 876,753; Jan. 14; Sp. p. 2175; Dr. p. 478; Gaz. vol. 132; p. 386.
- Wangelin, W. H., Belleville, Ill. Sand-feeding device for molding-machines. No. 897,942; Sept. 8; Sp. p. 1458; Dr. p. 310; Gaz. vol. 136; p. 260.
- Wangelin, W. H., Belleville, Ill. Sand-mold-charging apparatus. No. 899,640; Sept. 29; Sp. p. 4753; Dr. p. 1017; Gaz. vol. 136; p. 903.
- Wangness, J. A., assignor of one-half to M. L. Magnusson, Lead, S. D. Cross-stay for belts. No. 887,158; May 12; Sp. p. 1614; Dr. p. 343; Gaz. vol. 134; p. 297.
- Wanner, S., Rosalie, Brisbane, Queensland, Australia. Type-writer. No. 903,521; Nov. 10; Sp. p. 1973; Gaz. vol. 137; p. 354.
- Wanner, A., Jr., Hoboken, N. J. Rocking-chair. No. 893,289; July 14; Sp. p. 1822; Dr. p. 382; Gaz. vol. 135; p. 828.
- Wanner, A., Jr., Hoboken, N. J. Chair. No. 893,679; July 21; Sp. p. 2640; Dr. p. 553; Gaz. vol. 135; p. 485.
- Wanner, E. P., New York, N. Y. Table. No. 875,755; Jan. 7; Sp. p. 154; Dr. p. 34; Gaz. vol. 132; p. 29.
- Wanous, J. A., Minneapolis, Minn. Toilet article. No. 893,117; July 14; Sp. p. 1480; Dr. p. 312; Gaz. vol. 135; p. 272.
- Wansleben, C., Crefeld, Germany. Machine for dyeing bobbins and the like. No. 878,103; Feb. 4; Sp. p. 424; Dr. p. 90; Gaz. vol. 132; p. 917.
- Wants, L., Milwaukee, Wis. Roller-skate tire. No. 905,031; Nov. 24; Sp. p. 5146; Gaz. vol. 137; p. 917.
- Wantz, J. B., assignor to Victor Electric Company, Chicago, Ill. Massaging instrument. No. 899,234; Sept. 22; Sp. p. 3937; Dr. p. 840; Gaz. vol. 136; p. 735.
- Wappler Electric Controller Company. (See Wappler, R. H., assignor.)
- Wappler, R. H., New York, N. Y. Endoscope or other optical instrument. No. 878,917; Feb. 11; Sp. p. 2134; Dr. p. 445; Gaz. vol. 132; p. 1218.
- Wappler, R. H., New York, N. Y. Cystoscope. No. 879,224; Feb. 18; Sp. p. 2730; Dr. p. 569; Gaz. vol. 132; p. 1357.
- Wappler, R. H., assignor to Wappler Electric Controller Company, New York, N. Y. Endoscope. No. 902,513; Oct. 27; Sp. p. 5142; Dr. p. 1041; Gaz. vol. 136; p. 1965.
- Wappler, R. H., assignor to Wappler Electric Controller Company, New York, N. Y. Electromedical apparatus. No. 903,640; Nov. 10; Sp. p. 2221; Gaz. vol. 137; p. 393.
- Ward, A. D., executor. (See Perkins, O. S.)
- Ward, B. L., Ottumwa, Iowa. Manacle. No. 885,811; Apr. 28; Sp. p. 4417; Dr. p. 926; Gaz. vol. 133; p. 1977.
- Ward, B. T., Saratoga, N. Y. Ironing-board. No. 898,707; Sept. 15; Sp. p. 2949; Dr. p. 632; Gaz. vol. 136; p. 536.
- Ward, C., Chicago, Ill. Picture-frame. No. 898,614; Sept. 15; Sp. p. 2765; Dr. p. 590; Gaz. vol. 136; p. 507.
- Ward, C. A., Forestville, Conn. Railway safety appliance. No. 894,476; July 28; Sp. p. 4392; Dr. p. 906; Gaz. vol. 135; p. 769.
- Ward, C. B. (See Whittell and Ward.)
- Ward, C. G., Jeffersonville, Ind. File-cabinet. No. 900,242; Oct. 6; Sp. p. 346; Dr. pp. 72-3; Gaz. vol. 136; p. 1129.
- Ward, E. G., Philadelphia, Pa. Saw. No. 877,146; Jan. 21; Sp. p. 3018; Dr. p. 652; Gaz. vol. 132; p. 557.
- Ward, E. J., Chicago, Ill. Derrick. No. 882,034; Mar. 17; Sp. p. 3120; Dr. p. 663; Gaz. vol. 133; p. 568.
- Ward Equipment Company. (See Ward, J. E., assignor.)
- Ward, F. A., and W. N. Taylor, Toledo, Ohio, assignors to Gear Grinding Machine Company, Detroit, Mich. Grinding-wheel-trimming mechanism for gear-truing machines. No. 888,675; May 26; Sp. p. 4724; Dr. p. 1005; Gaz. vol. 134; p. 859.
- Ward, F. H., & *et al.* (See Smith, G. A., assignor.)
- Ward, G. B. (See Roman, G. L., assignor.)
- Ward, G. H., Lorraine, Ill. Fence-post. No. 889,647; June 2; Sp. p. 889; Dr. pp. 204-5; Gaz. vol. 134; p. 1204.
- Ward, H. B., Pittsburg, Pa. Cake-holder for conveyers. No. 886,101; Apr. 28; Sp. p. 5014; Dr. p. 1055; Gaz. vol. 133; p. 2073.
- Ward, H. B., Cuba, Ala. Bundle or package tie. No. 886,905; May 5; Sp. p. 1141; Dr. p. 239; Gaz. vol. 134; p. 187.
- Ward, H. C., assignor to Durand & Co., Newark, N. J. Cuff-button. No. 888,860; May 26; Sp. p. 5112; Dr. p. 1089; Gaz. vol. 134; p. 917.
- Ward, H. E., Kansas City, Mo. Tubular steam-boiler. No. 904,385; Nov. 17; Sp. p. 3783; Gaz. vol. 137; p. 674.
- Ward, H. L., Longbeach, Cal. Steering-propeller. No. 887,986; May 19; Sp. p. 3352; Dr. p. 703; Gaz. vol. 134; p. 603.
- Ward, J. E., assignor to Ward Equipment Company, New York, N. Y. Pressure-regulator. No. 885,812; Apr. 28; Sp. p. 4418; Dr. p. 926; Gaz. vol. 133; p. 1977.
- Ward, J. E., assignor to Ward Equipment Company, New York, N. Y. Ventilator for railway-cars, &c. No. 886,558; May 5; Sp. p. 426; Dr. p. 91; Gaz. vol. 134; p. 78.
- Ward, J. L. (See Froman, B. C., assignor.)
- Ward, J. M., Philadelphia, Pa. Counting-machine. No. 895,703; Aug. 11; Sp. p. 1850; Dr. p. 393; Gaz. vol. 135; p. 1225.
- Ward, J. S., assignor to Phenix Lubricator Company, Chicago, Ill. Lubricating-pump. No. 893,118; July 14; Sp. p. 1480; Dr. pp. 312-13; Gaz. vol. 135; p. 272.
- Ward, J. S., assignor to Phenix Lubricator Company, Chicago, Ill. Lubricating-pump. No. 893,119; July 14; Sp. p. 1484; Dr. p. 313; Gaz. vol. 135; p. 273.
- Ward, J. W., Larue, Ohio. Shaft-detaching means. No. 885,551; Apr. 21; Sp. p. 3879; Dr. p. 811; Gaz. vol. 133; p. 1863.
- Ward, M. E., Chicago, Ill. Car-roof. No. 899,817; Sept. 29; Sp. p. 5124; Dr. p. 1096; Gaz. vol. 136; p. 962.
- Ward-Mackey Company. (See Bergmann, C. N., assignor.)
- Ward, O. P., Canton, Pa. Gun-cleaner. No. 882,598; Mar. 24; Sp. p. 4186; Dr. p. 888; Gaz. vol. 133; p. 784.
- Ward, R. H., Youngstown, Ohio. Metal-annealing furnace. No. 878,840; Feb. 11; Sp. p. 1982; Dr. p. 411; Gaz. vol. 132; p. 1193.
- Ward, S. A., Sheffield, England. Rotary hydraulic motor. No. 908,365; Dec. 29; Sp. p. 6485; Gaz. vol. 137; p. 2166.
- Ward, S. E., Allen, Nebr. Metal fastening device. No. 883,766; Apr. 7; Sp. p. 172; Dr. p. 31; Gaz. vol. 133; p. 1221.
- Ward, S. M., Jr., assignor of one-fourth to S. B. Prentiss, Washington, D. C. Railway-signal. No. 889,160; May 26; Sp. p. 5730; Dr. p. 1213; Gaz. vol. 134; p. 1016.
- Ward-Stilson Company. (See Post, C. B., assignor.)
- Ward, W., Mitchell, Ind. Kiln. No. 906,174; Dec. 8; Sp. p. 2081; Gaz. vol. 137; p. 1356.
- Ward, W. E., Spaulding, Cal. Cobbler's sewing-tool. No. 880,180; Feb. 25; Sp. p. 4725; Dr. p. 999; Gaz. vol. 132; p. 1703.
- Ward, W. J., West Philadelphia, assignor of one-fourth to W. H. Jackson and one-fourth to S. T. Moyer, Philadelphia, Pa. Treating hides. No. 903,034; Nov. 3; Sp. p. 1015; Gaz. vol. 137; p. 166.
- Warde, A. G., Minneapolis, Minn. Respirometer. No. 895,606; Aug. 11; Sp. p. 1660; Dr. p. 350; Gaz. vol. 135; p. 1193.
- Warden, W. F., Akron, Ohio. Ventilator. No. 905,255; Dec. 1; Sp. p. 259; Gaz. vol. 137; p. 1028.
- Warder, W. J., Jr., assignor to Roth Bros., Chicago, Ill. Controller. No. 878,756; Feb. 11; Sp. p. 1825; Dr. p. 377; Gaz. vol. 132; p. 1167.
- Wardner, C. A., Brushton, N. Y. Pleasurephone. No. 899,641; Sept. 29; Sp. p. 4754; Dr. p. 1018; Gaz. vol. 136; p. 903.
- Wardwell, S. W., Providence, R. I. Cop-tube. No. 878,104; Feb. 4; Sp. p. 426; Dr. p. 90; Gaz. vol. 132; p. 917.
- Wardwell, S. W., Providence, R. I. Cop-tube. No. 879,021; Feb. 11; Sp. p. 2320; Dr. p. 485; Gaz. vol. 133; p. 1250.
- Wardwell, S. W., Providence, R. I. Cop-tube. No. 879,705; Feb. 18; Sp. p. 3740; Dr. p. 784; Gaz. vol. 132; p. 1514.
- Wardwell, S. W., Providence, R. I. Winding-machine. No. 881,210; Mar. 10; Sp. p. 1420; Dr. p. 307; Gaz. vol. 133; p. 271.
- Wardwell, S. W., Providence, R. I. Winding-machine. No. 881,211; Mar. 10; Sp. p. 1425; Dr. p. 308; Gaz. vol. 133; p. 272.
- Wardwell, S. W., Providence, R. I. Yarn-package. No. 903,641; Nov. 10; Sp. p. 2224; Gaz. vol. 137; p. 393.
- Wardwell, S. W., Providence, R. I. Yarn-package. No. 903,642; Nov. 10; Sp. p. 2225; Gaz. vol. 137; p. 393.
- Wardwell, S. W., Providence, R. I. Cop or yarn-package. No. 903,643; Nov. 10; Sp. p. 2227; Gaz. vol. 137; p. 394.
- Ware, J. D. (See Snedeker and Ware.)
- Ware, J. F., and T. W. Rundle, Denver, Colo., assignors to Automatic Photograph Printing Machine Company. Automatic fluid-controlled variable-time-exposure valve mechanism for photoprinting-machines. No. 899,235; Sept. 22; Sp. p. 3940; Dr. p. 841; Gaz. vol. 136; p. 736.
- Ware, J. L., St. Paul, Minn., assignor, by mesne assignments, to Roberts Lumber Company. Knockdown box. No. 876,120; Jan. 7; Sp. p. 849; Dr. pp. 181-2; Gaz. vol. 132; p. 144.

Alphabetical list of patentees—Continued.

- Ware, J. R., Osawatomie, Kans. Pumping-jack. No. 889,278; June 2; Sp. p. 167; Dr. p. 41; Gaz. vol. 134; p. 1085.
 Ware, R. B., Brooklyn, N. Y. Wrapper for coin-packages. No. 892,474; July 7; Sp. p. 163; Dr. p. 35; Gaz. vol. 135; p. 32.
 Ware, R. T. (See Jesse and Ware.)
 Wareham, J. L., Atlantic City, N. J. Salver. No. 899,642; Sept. 29; Sp. p. 4758; Dr. p. 1018; Gaz. vol. 136; p. 904.
 Warfel, H. C., assignor of one-half to T. G. McCausland, Philipsburg, Pa. Umbrella crown and runner. No. 883,503; Mar. 31; Sp. p. 6041; Dr. p. 1289; Gaz. vol. 133; p. 1112.
 Warfield, A., Toronto, Ontario, Canada. Railway-truck. No. 887,362; May 12; Sp. p. 2089; Dr. pp. 408-9; Gaz. vol. 134; p. 367.
 Warfield, A. R. (See Nicholson, J. B., assignor.)
 Warfield, H. C., Brooklyn, N. Y. Window-screen. No. 892,918; July 7; Sp. p. 1070; Dr. p. 224; Gaz. vol. 135; p. 177.
 Warfield, W. C., Eminence, Kans. Weeder and cultivator. No. 900,137; Oct. 6; Sp. p. 136; Dr. p. 29; Gaz. vol. 136; p. 1094.
 Warg, R., Milwaukee, Wis. Steam-trap. No. 889,648; June 2; Sp. p. 891; Dr. p. 205; Gaz. vol. 134; p. 1204.
 Warnam, R. F., Applegate, Cal. Pine-needle pillow. No. 904,287; Nov. 17; Sp. p. 3603; Gaz. vol. 137; p. 642.
 Waring, A. B., Yonkers, N. Y. Hat-blocking-machine. No. 881,508; Mar. 10; Sp. p. 2024; Dr. p. 441; Gaz. vol. 133; p. 368.
 Waring, A. B., Yonkers, N. Y. Hat-blocking machine. No. 881,509; Mar. 10; Sp. p. 2026; Dr. p. 442; Gaz. vol. 133; p. 368.
 Waring Hat M'fg Co. (See Segschneider, G., assignor.)
 Waring, S., Evanston, Ill. Paper measuring and rolling machine. No. 885,114; Apr. 21; Sp. p. 2953; Dr. pp. 626-7; Gaz. vol. 133; p. 1722.
 Wark, R. M., Spokane, Wash. Automatic cattle-guard for railways. No. 885,552; Apr. 21; Sp. p. 3881; Dr. p. 811; Gaz. vol. 133; p. 1864.
 Wark, W. J. (See Bell, S. W., assignor.)
 Warlick, B. A., Atlanta, Ga. Window. No. 897,435; Sept. 1; Sp. p. 403; Dr. p. 86; Gaz. vol. 136; p. 62.
 Warlick, J. E., Lagrange, Ga. Burglar-proof blind-lock. No. 877,272; Jan. 21; Sp. p. 3280; Dr. p. 709; Gaz. vol. 132; p. 600.
 Warman, W. C., Moncton, New Brunswick, Canada. Machine for gathering and transporting snow. No. 882,132; Mar. 17; Sp. p. 3291; Dr. p. 702; Gaz. vol. 133; p. 600.
 Warmbrodt, E. (See Sprague and Warmbrodt.)
 Warnant, J., Liege, Belgium. Pistol. No. 889,279; June 2; Sp. p. 169; Dr. p. 42; Gaz. vol. 134; p. 1085.
 Warner, A. A., assignor to Landers, Frary and Clark, New Britain, Conn. Safety-razor. No. 878,841; Feb. 11; Sp. p. 1983; Dr. p. 412; Gaz. vol. 132; p. 1194.
 Warner, A. A., assignor to Landers, Frary and Clark, New Britain, Conn. Electrical heating vessel. No. 893,209; July 14; Sp. p. 1665; Dr. pp. 351-2; Gaz. vol. 135; p. 301.
 Warner, A. A., assignor to Landers, Frary and Clark, New Britain, Conn. Guard for safety-razors. No. 895,920; Aug. 11; Sp. p. 2281; Dr. p. 487; Gaz. vol. 135; p. 1294.
 Warner, A. A., assignor to Landers, Frary and Clark, New Britain, Conn. Lamp-stove. No. 898,159; Sept. 8; Sp. p. 1890; Dr. p. 404; Gaz. vol. 136; p. 328.
 Warner, A. A., assignor to Landers, Frary and Clark, New Britain, Conn. Vapor-lamp. No. 904,239; Nov. 17; Sp. p. 3497; Gaz. vol. 137; p. 625.
 Warner, A. A., assignor to Landers, Frary and Clark, New Britain, Conn. Grinding-mill. No. 904,905; Nov. 24; Sp. p. 4895; Gaz. vol. 137; p. 874.
 Warner, A. J., West Durham, N. C. Means for drying green bricks. No. 887,294; May 12; Sp. p. 1954; Dr. p. 411; Gaz. vol. 134; p. 343.
 Warner, A. M., Almont, Mich. Tongue for vehicles. No. 876,610; Jan. 14; Sp. p. 1906; Dr. p. 415; Gaz. vol. 132; p. 340.
 Warner, A. O., Denver, Colo. Street-sign. No. 876,754; Jan. 14; Sp. p. 2177; Dr. p. 478; Gaz. vol. 132; p. 386.
 Warner, A. O., Denver, Colo. Net. No. 886,281; Apr. 28; Sp. p. 3350; Dr. p. 1125; Gaz. vol. 133; p. 2133.
 Warner, C. L., Cincinnati, Ohio. Trappings for horses. No. 904,031; Nov. 17; Sp. p. 3033; Gaz. vol. 137; p. 553.
 Warner, C. L., assignor to Baird Machine Company, Watertown, Conn. Drying-out barrel. No. 885,813; Apr. 28; Sp. p. 4420; Dr. p. 927; Gaz. vol. 135; p. 1978.
 Warner, D., Bronson, Mich. Gate. No. 907,546; Dec. 22; Sp. p. 4727; Gaz. vol. 137; p. 1863.
 Warner, D. W., Edmonton, Alberta, Canada. Disk harrow. No. 877,685; Jan. 28; Sp. p. 4104; Dr. p. 888; Gaz. vol. 132; p. 754.
 Warner, E. (See Sundes, J. R., assignor.)
 Warner, E. E., Hartford, Conn. Wing for flying-machines. No. 881,836; Mar. 10; Sp. p. 2666; Dr. p. 571; Gaz. vol. 133; p. 474.
 Warner, E. E., Hartford, Conn. Aeroplane. No. 893,887; July 21; Sp. p. 3147; Dr. p. 646; Gaz. vol. 135; p. 553.
 Warner, E. F., and C. Wiler, assignors to Western Electric Company, Chicago, Ill. Arc-lamp regulating mechanism. No. 892,475; July 7; Sp. p. 164; Dr. p. 35; Gaz. vol. 135; p. 32.
 Warner, F. E., Binghamton, N. Y. Plaiting-machine. No. 876,611; Jan. 14; Sp. p. 1907; Dr. p. 416; Gaz. vol. 132; p. 340.
 Warner, F. E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Button-fastener. No. 892,784; July 7; Sp. p. 773; Dr. p. 163; Gaz. vol. 135; p. 132.
 Warner, F. J., *et al.* (See Hood, W. S., assignor.)
 Warner, F. J. (See Martin, T. A., assignor.)
 Warner, J. W., Sandusky, Mich. Attachment for cultivators. No. 894,552; July 28; Sp. p. 4544; Dr. pp. 941-2; Gaz. vol. 135; p. 793.
 Warner, R. T. (See O'Neal, W. F., assignor.)
 Warner & Swasey Company. (See Swasey, A., assignor.)
 Warner, T. W., and F. H. Jones, Muncie, Ind. Selective lever. No. 885,814; Apr. 28; Sp. p. 4423; Dr. pp. 927-8; Gaz. vol. 133; p. 1978.
 Warner, W. A., Bridgeport, Conn. Artificial flower. No. 899,852; Sept. 29; Sp. p. 5210; Dr. p. 1115; Gaz. vol. 136; p. 974.
 Warner, W. E., assignor to Kemp & Burpee Manufacturing Company, Syracuse, N. Y. Fertilizer-distributor. No. 899,580; Sept. 29; Sp. p. 4620; Dr. pp. 992-3; Gaz. vol. 136; p. 884.
 Warner, W. H., Jr., Allegan, Mich. Trap-nest. No. 879,990; Feb. 25; Sp. p. 4341; Dr. p. 910; Gaz. vol. 132; p. 1641.
 Warnock, J. (See Morgan, L., assignor.)
 Warnock, W. S., Chicago, Ill. Printer's furniture. No. 876,030; Jan. 7; Sp. p. 667; Dr. p. 143; Gaz. vol. 132; p. 115.
 Warnock, W. S., Chicago, Ill. Printer's registering device. No. 878,842; Feb. 11; Sp. p. 1986; Dr. p. 412; Gaz. vol. 132; p. 1194.
 Warnock, W. S., Chicago, Ill. Printer's filler-block. No. 895,607; Aug. 11; Sp. p. 1662; Dr. p. 351; Gaz. vol. 135; p. 1193.
 Warrell, F. G., Lansdowne, Pa., assignor to Euelectric Co. Telephonic transmitter. No. 901,570; Oct. 20; Sp. p. 3149; Dr. p. 643; Gaz. vol. 136; p. 1626.
 Warren Axe and Tool Company. (See Murphy, D. W., assignor.)
 Warren, B. S., assignor to C. B. Hutchins & Sons, Detroit, Mich. Car-roof. No. 905,962; Dec. 8; Sp. p. 1666; Gaz. vol. 137; p. 1288.
 Warren Brothers Company. (See Ash, H. W., assignor.)
 Warren, C. H., Atlanta, Ga., assignor to Draper Company, Hopedale, Mass. Thin-place-detecting mechanism for looms. No. 887,446; May 12; Sp. p. 2278; Dr. p. 478; Gaz. vol. 134; p. 394.
 Warren, C. W., Marion, assignor to Warren Mfg. Co., Veedersburg, Ind. Container. No. 898,293; Sept. 8; Sp. p. 2137; Dr. p. 454; Gaz. vol. 136; p. 369.
 Warren, F. A., Canon City, Colo. Centrifugal-oiling bearing for wheels. No. 897,943; Sept. 8; Sp. p. 1460; Dr. p. 311; Gaz. vol. 136; p. 260.
 Warren, F. A., Jr., assignor to Marine Hardware Company, Peabody, Mass. One-way clutch. No. 894,991; Aug. 4; Sp. p. 436; Dr. p. 89; Gaz. vol. 135; p. 965.
 Warren, F. W., San Francisco, Cal. Stenographer's note-book. No. 875,756; Jan. 7; Sp. p. 155; Dr. p. 34; Gaz. vol. 132; p. 29.
 Warren Featherbone Company of Michigan. (See Ackerman, A. A., assignor.)
 Warren Featherbone Company of Michigan. (See Webster, W., assignor.)
 Warren, G. B., Rockport, Ill. Feeder. No. 884,436; Apr. 14; Sp. p. 1545; Dr. p. 332; Gaz. vol. 133; p. 1470.
 Warren, G. D., Cripple Creek, Colo. Rock-drill. No. 887,363; May 12; Sp. p. 2093; Dr. pp. 439-40; Gaz. vol. 134; p. 367.
 Warren, H. E., Ashland, Mass. Mechanism for preventing racing in prime motors. No. 875,969; Jan. 7; Sp. p. 555; Dr. p. 119; Gaz. vol. 132; p. 96.
 Warren, H. F., assignor to Lombard Governor Company, Ashland, Mass. Motion-transmitting mechanism. No. 887,714; May 12; Sp. p. 2783; Dr. p. 588; Gaz. vol. 134; p. 483.
 Warren, J. A., Surry, Va. Peanut-picker. No. 881,979; Mar. 17; Sp. p. 2986; Dr. pp. 636-9; Gaz. vol. 133; p. 550.
 Warren, J. D., Chicago, Ill. Merchandise-bin. No. 883,990; Apr. 7; Sp. p. 655; Dr. p. 132; Gaz. vol. 133; p. 1296.
 Warren, J. H. (See Nygaard and Warren.)
 Warren, L. E., and A. Anderson, New York, N. Y. Friction-clutch. No. 881,510; Mar. 10; Sp. p. 2028; Dr. p. 442; Gaz. vol. 133; p. 369.
 Warren, M., Rochester, N. Y. Fluid-pressure generator. No. 882,085; Mar. 17; Sp. p. 3219; Dr. p. 684; Gaz. vol. 133; p. 586.
 Warren Mfg. Co. (See Warren, C. W., assignor.)
 Warren, R., Kearney, Ontario, assignor to G. R. Cottrelle, Milton, Canada. Harness-buckle. No. 905,775; Dec. 1; Sp. p. 1309; Gaz. vol. 137; p. 1198.
 Warren, R. L., *et al.* (See Stratton, G. C., assignor.)
 Warren, W. P., Sheridan, Ill. Scraper. No. 900,626; Oct. 6; Sp. p. 1188; Dr. pp. 243-4; Gaz. vol. 136; p. 1255.
 Warren, W. R., *et al.* (See Colloseus, H., assignor.) (Reissue.)
 Warren, W. R., New York, N. Y. Rotary kiln. (Reissue.) No. 12,831; July 14; Sp. p. 2477; Dr. p. 515; Gaz. vol. 135; p. 428.

Alphabetical list of patentees—Continued.

- Warren, W. R., New York, N. Y. Conveyer for granulators. No. 895,318; Aug. 4; Sp. p. 1100; Dr. pp. 230-1; Gaz. vol. 135; p. 1076.
- Warren, W. S., assignor of one-half to G. A. Moore, Chicago, Ill. Toilet comb. No. 883,598; Mar. 31; Sp. p. 6219; Dr. p. 1326; Gaz. vol. 133; p. 1138.
- Warren Webster & Company. (See Braemer, W. G. R., assignor.)
- Warren Webster & Company. (See Harrison, A., assignor.)
- Warren Webster and Company. (See Serrell, J. A., assignor.)
- Warrenfeltz, E. M., Funksfown, Md. Rotary rake. No. 902,187; Oct. 27; Sp. p. 4429; Dr. p. 896; Gaz. vol. 136; p. 1856.
- Wartenbe, E. O., St. Charles, Mo. Shoe-scraper. No. 905,963; Dec. 8; Sp. p. 1669; Gaz. vol. 137; p. 1289.
- Wartenberg, J., Newburgh, N. Y. Window-chair. No. 888,210; May 19; Sp. p. 3767; Dr. p. 790; Gaz. vol. 134; p. 673.
- Warth, N. G., Columbus, Ohio. Telephone repeater system. No. 894,170; July 21; Sp. p. 3731; Dr. p. 772; Gaz. vol. 135; p. 647.
- Warth, N. G., Columbus, Ohio. Method of and apparatus for relieving wire circuits of electrostatic reaction-currents. No. 903,923; Nov. 17; Sp. p. 2828; Gaz. vol. 137; p. 517.
- Warwick, T. F., Metter, Ga. Fluid-actuated vise. No. 884,548; Apr. 14; Sp. p. 1783; Dr. pp. 383-4; Gaz. vol. 133; p. 1507.
- Wasbroad, E. J., Montreal, Quebec, assignor of one-half to Standard Metal Company, Limited, Montreal, Canada. Wrench. No. 905,610; Dec. 1; Sp. p. 1001; Gaz. vol. 137; p. 1143.
- Wash, J. W., Carrollton, Ky. Strain-equalizer. No. 897,040; Aug. 25; Sp. p. 4580; Dr. p. 977; Gaz. vol. 135; p. 1705.
- Washburn, A. S., Germantown, N. Y. Spray-nozzle. No. 905,032; Nov. 24; Sp. p. 5146; Gaz. vol. 137; p. 917.
- Washburn, E. (See Colburn and Washburn.)
- Washburn, E. C., Minneapolis, Minn. Spring-cushion. No. 882,279; Mar. 17; Sp. p. 3592; Dr. p. 762; Gaz. vol. 133; p. 647.
- Washburn, E. C., Minneapolis, Minn. Bumper-beam draft-rigging. No. 883,677; Mar. 31; Sp. p. 6383; Dr. p. 1361; Gaz. vol. 133; p. 1164.
- Washburn, E. C., Minneapolis, Minn. Triple valve. No. 892,101; June 30; Sp. p. 5913; Dr. p. 1275; Gaz. vol. 134; p. 2129.
- Washburn, E. C., Minneapolis, Minn. Riser-lining for molding devices. No. 900,970; Oct. 13; Sp. p. 1919; Dr. p. 390; Gaz. vol. 136; p. 1394.
- Washburn, E. C., Minneapolis, Minn. Dumping-car. No. 901,270; Oct. 13; Sp. p. 2468; Dr. pp. 506-7; Gaz. vol. 136; p. 1489.
- Washburn, J. W., F. P. Roney, Minneapolis, and B. H. Børreson, St. Paul, Minn. Temporary shoe-lacing. No. 882,919; Mar. 24; Sp. p. 4836; Dr. p. 1026; Gaz. vol. 133; p. 889.
- Washburn, R. E., Denver, Colo. Hanger for sliding doors. No. 890,950; June 16; Sp. p. 3586; Dr. p. 781; Gaz. vol. 134; p. 1689.
- Washburn, W. F., assignor to Barclay Corset Company, Newark, N. J. Machine for bending wire stays. No. 905,256; Dec. 1; Sp. p. 260; Gaz. vol. 137; p. 1028.
- Washickek, F. W., et al. (See Crepar, T. M., assignor.)
- Washington, C., Barboursville, W. Va. Harrow. No. 895,217; Aug. 4; Sp. p. 887; Dr. p. 185; Gaz. vol. 135; p. 1042.
- Washington Cutlery Company. (See Volkman, H., assignor.)
- Washington, D. E., assignor of one-half to C. W. Patton, Chicago, Ill. Conveyer. No. 881,212; Mar. 10; Sp. p. 1431; Dr. pp. 308-9; Gaz. vol. 133; p. 272.
- Washington, G. M., Houston, Tex. Journal-box. No. 893,404; July 14; Sp. p. 2029; Dr. p. 426; Gaz. vol. 135; p. 365.
- Washington, J. F., Chicago, Ill. Cleaning composition. No. 891,646; June 23; Sp. p. 5018; Gaz. vol. 134; p. 1449.
- Washington, R. L., Boston, Mass. Dish-warmer. No. 891,754; June 23; Sp. p. 5217; Dr. p. 1129; Gaz. vol. 134; p. 1985.
- Wassam, F. F. (See Ford and Wassam.)
- Wassam, J. J., Cabool, Mo. Bed-protector. No. 899,361; Sept. 22; Sp. p. 4184; Dr. p. 895; Gaz. vol. 136; p. 776.
- Wasser, T. J., Jersey City, N. J. Rail-lift. No. 880,344; Feb. 25; Sp. p. 5049; Dr. p. 1066; Gaz. vol. 132; p. 1757.
- Wassmann, A. (See Reichenbach, Low, and Wassmann.)
- Water Overflow Preventive Co. (See Werner, L. A., assignor.)
- Waterbury Buckle Co. (See Buchanan, J. J., assignor.)
- Waterbury Buckle Co. (See De Lancey and Buchanan, assignors.)
- Waterbury Buckle Co. (See Maltby, J., assignor.)
- Waterbury Buckle Co. (See Moore, R. A., assignor.)
- Waterbury Buckle Co. (See Moore, R. A., Jr., assignor.)
- Waterbury Clock Co. (See Larkin, W. J., assignor.)
- Waterbury Clock Co. (See Lux, P., assignor.)
- Waterbury, E., Mamaroneck, N. Y. Mail-bag catcher and deliverer. No. 903,035; Nov. 3; Sp. p. 1016; Gaz. vol. 137; p. 166.
- Waterbury Farrel Foundry and Machine Company. (See Griggs and Smith, assignors.)
- Waterbury, J. L., Minneapolis, Minn. Heating and ventilating appliance. No. 904,240; Nov. 17; Sp. p. 3499; Gaz. vol. 137; p. 626.
- Waterbury, J. L., and C. Waterman, Minneapolis, Minn. Ventilating device. No. 878,474; Feb. 4; Sp. p. 1172; Dr. p. 238; Gaz. vol. 132; p. 1040.
- Waterbury, J. L., and C. Waterman, Minneapolis, Minn. Heating and ventilating device. No. 903,644; Nov. 10; Sp. p. 2229; Gaz. vol. 137; p. 394.
- Waterbury Mfg. Co. (See Perkins, W. H., assignor.)
- Waterbury Tool Company. (See Williams, H. D., assignor.)
- Waterhouse, E. P., Worcester, Mass., assignor of one-half to Worcester Envelope Company. Envelop-machine. No. 890,829; June 16; Sp. p. 3330; Dr. pp. 728-9; Gaz. vol. 134; p. 1650.
- Waterhouse, H. D., Quincy, assignor to United Store Service and Tube Company, Boston, Mass. Sending mechanism for pneumatic-despatch apparatus. No. 881,980; Mar. 17; Sp. p. 2991; Dr. p. 639; Gaz. vol. 133; p. 550.
- Waterhouse, H. D., Quincy, assignor to United Store Service and Tube Company, Boston, Mass. Receiving apparatus for pneumatic-despatch systems. No. 906,342; Dec. 8; Sp. p. 2404; Gaz. vol. 137; p. 1412.
- Waterman, A., New York, N. Y. Skirt-marker. No. 902,029; Oct. 27; Sp. p. 4115; Dr. p. 833; Gaz. vol. 136; p. 1806.
- Waterman, B. B., East Bridgewater, Mass., assignor to American Shoe Finding Company. Machine for tacking shoe-shanks. No. 884,437; Apr. 14; Sp. p. 1547; Dr. pp. 332-4; Gaz. vol. 133; p. 1470.
- Waterman, B. B., East Bridgewater, Mass., assignor to American Shoe Finding Company. Machine for tacking shoe-shanks. No. 884,438; Apr. 14; Sp. p. 1554; Dr. pp. 334-5; Gaz. vol. 133; p. 1471.
- Waterman, B. B., East Bridgewater, Mass., assignor to American Shoe Finding Company. Machine for tacking shoe-shanks. (Reissue.) No. 12,870; Oct. 27; Sp. p. 5215; Dr. pp. 1053-4; Gaz. vol. 136; p. 1975.
- Waterman, B. B., East Bridgewater, Mass., assignor to American Shoe Finding Company. Machine for tacking shoe-shanks. No. 904,032; Nov. 17; Sp. p. 3034; Gaz. vol. 137; p. 553.
- Waterman, C. (See Waterbury and Waterman.)
- Waterman, F. H., Norwell, Mass. Fraud-detecting bottle. No. 883,844; Apr. 7; Sp. p. 353; Dr. p. 68; Gaz. vol. 133; p. 1247.
- Waterman, F. M. (See Corthell, W. M., assignor.)
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Corn-planter. No. 880,841; Mar. 3; Sp. p. 728; Dr. pp. 153-4; Gaz. vol. 133; p. 123.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Agricultural implement. No. 880,842; Mar. 3; Sp. p. 730; Dr. pp. 154-5; Gaz. vol. 133; p. 123.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Disk harrow. No. 880,843; Mar. 3; Sp. p. 732; Dr. p. 155; Gaz. vol. 133; p. 124.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Wheeled plow. No. 894,785; July 28; Sp. p. 4984; Dr. p. 1039; Gaz. vol. 135; p. 869.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Pole-support. No. 894,786; July 28; Sp. p. 4985; Dr. p. 1040; Gaz. vol. 135; p. 869.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Cultivator. No. 894,787; July 28; Sp. p. 4985; Dr. p. 1040; Gaz. vol. 135; p. 869.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Bail for cultivators. No. 894,788; July 28; Sp. p. 4986; Dr. p. 1040; Gaz. vol. 135; p. 869.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Spring-trip for plows. No. 903,117; Nov. 3; Sp. p. 1167; Gaz. vol. 137; p. 190.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Planting attachment. No. 903,118; Nov. 3; Sp. p. 1169; Gaz. vol. 137; p. 190.
- Waterman, L. E., assignor to Emerson Manufacturing Company, Rockford, Ill. Alfalfa-disk. No. 903,119; Nov. 3; Sp. p. 1170; Gaz. vol. 137; p. 191.
- Waters, A. T., Regina, Saskatchewan, Canada. Soap-holder. No. 897,690; Sept. 1; Sp. p. 905; Dr. p. 194; Gaz. vol. 136; p. 146.
- Waters, B. L., Aurora, Ill. Bench-drawer. No. 881,511; Mar. 10; Sp. p. 2031; Dr. p. 443; Gaz. vol. 133; p. 369.
- Waters, B. L., Aurora, Ill. Gear-case. No. 903,522; Nov. 10; Sp. p. 1975; Gaz. vol. 137; p. 355.
- Waters Engine Company. (See Waters, F. J., assignor.)
- Waters, F. J., Providence, R. I., assignor to Waters Engine Company, Saco, Me. Boring-machine. No. 897,944; Sept. 8; Sp. p. 1462; Dr. pp. 311-12; Gaz. vol. 136; p. 261.

Alphabetical list of patentees—Continued.

- Waters, J., West Sutton, Mass. Ladder. No. 886,282; Apr. 28; Sp. p. 5352; Dr. p. 1125; Gaz. vol. 133; p. 2133.
- Waters, J. A., Washington, D. C., assignor of one-half to J. Mathy, Hot Springs, Ark. Lock-hinge. No. 889,834; June 2; Sp. p. 1251; Dr. p. 288; Gaz. vol. 134; p. 1263.
- Waters, M., New Albany, Ind. Telephone instrument. No. 888,211; May 19; Sp. p. 3768; Dr. p. 791; Gaz. vol. 134; p. 673.
- Waters, W. L., assignor to National Brake & Electric Company, Milwaukee, Wis. Brush-holder. No. 886,559; May 5; Sp. p. 427; Dr. p. 91; Gaz. vol. 134; p. 78.
- Waters, W. L., assignor to National Brake & Electric Company, Milwaukee, Wis. Centrifugal water-governor. No. 886,560; May 5; Sp. p. 428; Dr. pp. 91-2; Gaz. vol. 134; p. 79.
- Waters, W. L., assignor to National Brake & Electric Company, Milwaukee, Wis. Coil-support. No. 886,561; May 5; Sp. p. 432; Dr. p. 92; Gaz. vol. 134; p. 79.
- Waters, W. L., assignor to National Brake & Electric Company, Milwaukee, Wis. Dynamo-electric machine. No. 886,562; May 5; Sp. p. 433; Dr. p. 92; Gaz. vol. 134; p. 79.
- Waters, W. L., assignor to National Brake & Electric Company, Milwaukee, Wis. Dynamo-electric machine. No. 893,681; July 21; Sp. p. 2642; Dr. p. 554; Gaz. vol. 135; p. 485.
- Waterstraat, W. T., Chicago, Ill. Swinging door. No. 906,175; Dec. 8; Sp. p. 2082; Gaz. vol. 137; p. 1357.
- Waterstraet, M., Burr Oak, Mich. Garment-supporter. No. 889,280; June 2; Sp. p. 173; Dr. p. 43; Gaz. vol. 134; p. 1086.
- Watkins, B. G., assignor of two-thirds to J. A. Pollard, Sr., and J. A. Pollard, Jr., Nehawka, Nebr. Switch. No. 894,553; July 28; Sp. p. 4540; Dr. p. 942; Gaz. vol. 135; p. 793.
- Watkins, B. G., assignor of two-thirds to J. A. Pollard, Jr., and J. A. Pollard, Nehawka, Nebr. Trolley-switch. No. 899,773; Sept. 29; Sp. p. 5025; Dr. pp. 1077-8; Gaz. vol. 136; p. 947.
- Watkins & Company, D. M. (See Kilstrom, A., assignor.)
- Watkins, F. E., assignor to Globe Iron Works Co., Menomonie, Wis. Cross-road sign. No. 905,392 Dec. 1; Sp. p. 522; Gaz. vol. 137; p. 1073.
- Watkins, F. M. B., Lapeer, Mich. Heat-retaining cover for flat-irons. No. 880,942; Mar. 3; Sp. p. 919; Dr. p. 198; Gaz. vol. 133; p. 155.
- Watkins, G. W., Rosebud, Tex. Boll-weevil exterminator. No. 876,612; Jan. 14; Sp. p. 1908; Dr. p. 416; Gaz. vol. 132; p. 340.
- Watkins, H., Utica, assignor of one-half to J. C. Dewhurst, Deerfield, N. Y. Lawn-trimmer. No. 897,436; Sept. 1; Sp. p. 406; Dr. p. 86; Gaz. vol. 136; p. 63.
- Watkins, H. A., New York, N. Y. Lamp, lantern, and heater. No. 884,305; Apr. 7; Sp. p. 1281; Dr. p. 271; Gaz. vol. 133; p. 1397.
- Watkins, J. W., Syracuse, N. Y. Engine. No. 900,806; Oct. 13; Sp. p. 1569; Dr. pp. 317-18; Gaz. vol. 136; p. 1342.
- Watkins, R. L., New York, N. Y. Combined microscope and camera. No. 893,823; July 21; Sp. p. 3023; Dr. p. 618; Gaz. vol. 135; p. 534.
- Watkins, R. L., New York, N. Y. Mechanical stage for microscopes and the like. No. 893,957; July 21; Sp. p. 3284; Dr. pp. 675-6; Gaz. vol. 135; p. 577.
- Watkins, T., Philadelphia, Pa. Gage-cock. No. 894,087; July 21; Sp. p. 3565; Dr. p. 734; Gaz. vol. 135; p. 621.
- Watkins, T., Wilson, Pa. Dumping-pan. No. 896,961; Aug. 25; Sp. p. 4416; Dr. pp. 943-4; Gaz. vol. 135; p. 1678.
- Watkinson, F. J., Strathroy, Ontario, assignor of one-half to C. H. Routliffe, Toronto, Canada. Combined automatic duster and brake for window blinds and shades. No. 907,429; Dec. 22; Sp. p. 4506; Gaz. vol. 137; p. 1825.
- Watmough, P. G., Jr., New York, N. Y. Puzzle amusement device. No. 906,971; Dec. 15; Sp. p. 3574; Gaz. vol. 137; p. 1636.
- Watres, L. S., Scranton, Pa. Shock-absorber. No. 893,680; July 21; Sp. p. 2641; Dr. p. 553; Gaz. vol. 135; p. 485.
- Watres, L. S., assignor of fifty-one one-hundredths to R. C. Adams, Scranton, Pa. Steam-boiler. No. 887,880; May 19; Sp. p. 3150; Dr. p. 663; Gaz. vol. 134; p. 567.
- Watres, L. S., assignor of fifty-one one-hundredths to R. C. Adams, Scranton, Pa. Lubricating device. No. 887,881; May 19; Sp. p. 3151; Dr. p. 663; Gaz. vol. 134; p. 568.
- Watres, L. S., assignor of fifty-one one-hundredths to R. C. Adams, Scranton, Pa. Internal-combustion engine. No. 896,183; Aug. 18; Sp. p. 2775; Dr. p. 598; Gaz. vol. 135; p. 1398.
- Watrous, E. G., Chicago, Ill. Self-closing basin-cock. No. 875,873; Jan. 7; Sp. p. 362; Dr. p. 80; Gaz. vol. 132; p. 67.
- Watrous, E. G., Chicago, Ill. Ball cock-valve. No. 901,571; Oct. 20; Sp. p. 3150; Dr. pp. 643-4; Gaz. vol. 136; p. 1627.
- Watrous, E. G., Chicago, Ill. Water-closet. No. 901,572; Oct. 20; Sp. p. 3154; Dr. p. 644; Gaz. vol. 136; p. 1627.
- Watson, A. (See Patterson and Watson.)
- Watson, A. E. (See Massie, J. G., assignor.)
- Watson, D. M., assignor of one-half to E. A. Sessions, Portland, Oreg. Car journal-bearing. No. 904,104; Nov. 17; Sp. p. 3180; Gaz. vol. 137; p. 577.
- Watson, D. S., Canastota, N. Y. Fire-shield. No. 889,737; June 2; Sp. p. 1072; Dr. pp. 247-8; Gaz. vol. 134; p. 1232.
- Watson, D. S., Canastota, N. Y. Fire-protective shield. No. 900,243; Oct. 6; Sp. p. 347; Dr. p. 73; Gaz. vol. 136; p. 1129.
- Watson, F. L., Lynchburg, Va. Steam-trap for radiators. No. 912,126; Oct. 27; Sp. p. 4298; Dr. p. 871; Gaz. vol. 136; p. 1836.
- Watson, F. L., Leeds, England. Furnace attachment. No. 908,176; Dec. 29; Sp. p. 6081; Gaz. vol. 137; p. 2101.
- Watson, G. W. (See Crowell and Watson.)
- Watson, H., Washington, D. C. Safety-elevator. No. 899,362; Sept. 22; Sp. p. 4185; Dr. p. 896; Gaz. vol. 136; p. 776.
- Watson, H., Cairo, Nebr. Draft-equalizer. No. 903,346; Nov. 10; Sp. p. 1619; Gaz. vol. 137; p. 296.
- Watson, H., assignor of one-half to J. Clemens, Grand Island, Nebr. Safety-guard for razors. No. 903,347; Nov. 10; Sp. p. 1620; Gaz. vol. 137; p. 297.
- Watson, J., Obion, Tenn. Lawn-mower. No. 901,402; Oct. 20; Sp. p. 2793; Dr. p. 569; Gaz. vol. 136; p. 1571.
- Watson, J., Marinette, Wis. Furnace-regulator. No. 906,590; Dec. 15; Sp. p. 2853; Gaz. vol. 137; p. 1517.
- Watson, J. A. (See Johnson, C. C., assignor.)
- Watson, J. E., Pensacola, Fla. Scrubbing-brush. No. 879,706; Feb. 18; Sp. p. 3740; Dr. p. 784; Gaz. vol. 132; p. 1514.
- Watson, J. H., trustee. (See Westerberg, H. W., assignor.)
- Watson, J. L., Los Angeles, Cal. Diving apparatus. No. 904,241; Nov. 17; Sp. p. 3500; Gaz. vol. 137; p. 626.
- Watson, J. W., Newton, Iowa. Adjustable hand disk cultivator. No. 901,221; Oct. 13; Sp. p. 2369; Dr. p. 484; Gaz. vol. 136; p. 1473.
- Watson, N. M., Detroit, Mich. Electric air-compressor. No. 878,260; Feb. 4; Sp. p. 751; Dr. p. 151; Gaz. vol. 132; p. 969.
- Watson, N. M., assignor to J. H. Carstens, Detroit, Mich. Electric signaling apparatus. No. 902,630; Nov. 3; Sp. p. 195; Gaz. vol. 137; p. 53.
- Watson, R. D., Toledo, Ohio. Drafting device. No. 881,981; Mar. 17; Sp. p. 2994; Dr. p. 639; Gaz. vol. 133; p. 551.
- Watson, T. S., Milwaukee, Wis. Magnetic clutch. No. 875,757; Jan. 7; Sp. p. 156; Dr. p. 34; Gaz. vol. 132; p. 30.
- Watson, W. C., Cottesloe, assignor of two-thirds to H. Bolton and D. Mulcahy, Fremantle, Western Australia, Australia. Drop-lever brake for railway-vehicles. No. 898,416; Sept. 8; Sp. p. 2367; Dr. p. 505; Gaz. vol. 136; p. 410.
- Watson, W. D. (See O'Sullivan and Watson.)
- Watson, W. H., Lakeport, N. H. Calipers. No. 897,437; Sept. 1; Sp. p. 408; Dr. p. 87; Gaz. vol. 136; p. 63.
- Watson, W. J., Evert, Mich. Vehicle-brake. No. 877,971; Feb. 4; Sp. p. 149; Dr. p. 34; Gaz. vol. 132; p. 874.
- Watson, W. J., Lucama, N. C. Cultivator. No. 892,340; June 30; Sp. p. 6378; Dr. p. 1375; Gaz. vol. 134; p. 2209.
- Watson, W. P., Franklin, Ky. Farm-gate. No. 907,924; Dec. 29; Sp. p. 5553; Gaz. vol. 137; p. 2017.
- Watson, W. S., Memphis, Tenn. Cutting and facing tool. No. 876,852; Jan. 14; Sp. p. 2356; Dr. p. 516; Gaz. vol. 132; p. 417.
- Watson, W. S., Memphis, Tenn. Automatic button cutting and shaping machine. No. 880,431; Feb. 25; Sp. p. 5241; Dr. pp. 1102-3; Gaz. vol. 132; p. 1787.
- Watson, W. S., Memphis, Tenn. Automatic button cutting and shaping machine. No. 897,691; Sept. 1; Sp. p. 907; Dr. pp. 194-5; Gaz. vol. 136; p. 146.
- Watt, A. W. (See Watt, J. A. and A. W.)
- Watt, F. N., and H. C. Keelor, Richmond, Ind. Burial-casket. No. 876,031; Jan. 7; Sp. p. 669; Dr. p. 144; Gaz. vol. 132; p. 115.
- Watt, J. A., New York, N. Y., and A. W. Watt, Wilkes-Barre, Pa. Extensible picture-frame. No. 888,280; May 19; Sp. p. 3890; Dr. p. 820; Gaz. vol. 134; p. 697.
- Watt, J. F. (See Fiddes and Watt.)
- Watt, J. R., assignor of one-half to J. C. Johnson, Detroit, Mich. Safety scaffold-bracket. No. 875,970; Jan. 7; Sp. p. 557; Dr. p. 119; Gaz. vol. 132; p. 97.
- Watt, J. R., assignor of one-half to J. C. Johnson, Detroit, Mich. Safety scaffold-bracket. No. 901,926; Oct. 20; Sp. p. 3869; Dr. p. 789; Gaz. vol. 136; p. 1742.
- Watt, W. H., assignor of one-half to C. W. Beerbower and T. L. Gribble, Greensburg, Pa. Coke-loader. No. 877,147; Jan. 21; Sp. p. 3019; Dr. p. 653; Gaz. vol. 132; p. 558.
- Watters, A., Chicago, Ill. Loose-leaf book. No. 883,154; Mar. 24; Sp. p. 5292; Dr. p. 1129; Gaz. vol. 133; p. 967.
- Watters, F. L., Shelby, Ohio. Handle-bar stem. No. 908,177; Dec. 29; Sp. p. 6082; Gaz. vol. 137; p. 2101.
- Watters, J. H., Augusta, Ga. Cleaner for boiler feed-pipes. No. 892,476; July 7; Sp. p. 166; Dr. p. 35; Gaz. vol. 135; p. 32.
- Watters, R. R., Akron, Ohio. Drier. No. 907,925; Dec. 29; Sp. p. 5555; Gaz. vol. 137; p. 2017.
- Wattles, C. B., assignor to Surfacing Machine Company, Providence, R. I. Grinding or polishing wheel. No. 879,504; Feb. 18; Sp. p. 3310; Dr. p. 692; Gaz. vol. 132; p. 1449.
- Wattles, C. B., Providence, R. I., assignor, by mesne assignments, to Electric Floor Surfacers Company, Gardiner, Me. Floor-dressing machine. No. 881,638; Mar. 10; Sp. p. 2289; Dr. p. 496; Gaz. vol. 133; p. 412.
- Wattles, C. B., Providence, R. I., assignor, by mesne assignments, to Electric Floor Surfacers Company, Gardiner, Me. Floor-dressing machine. No. 881,639; Mar. 10; Sp. p. 2291; Dr. p. 496; Gaz. vol. 133; p. 412.

Alphabetical list of patentees—Continued.

- Wattles, C. B., assignor to Providence Gas Motor Company, Providence, R. I. Gas-motor engine. No. 889,417; June 2; Sp. p. 453; Dr. pp. 108-9; Gaz. vol. 134; p. 1131.
- Wattles, V. H. (See Kraft, C. H. F., assignor.)
- Wattne, F. (See Nessler, F. W. T., assignor.)
- Wattne, F. (See Opsal, S., assignor.)
- Watts, A. K., London, England. Pocket-clip for fountain-pens and pencils. No. 883,767; Apr. 7; Sp. p. 173; Dr. p. 31; Gaz. vol. 133; p. 1221.
- Watts, J. C., Van Wert, Ohio. Mail catcher and deliverer. No. 897,803; Sept. 1; Sp. p. 1149; Dr. p. 245; Gaz. vol. 136; p. 182.
- Watts, J. L. (See Campbell and Watts.)
- Watts, T. H. (See Schmah and Watts.)
- Watts, T. P., Kansas City, Mo. Gas heating apparatus. No. 880,844; Mar. 3; Sp. p. 733; Dr. p. 155; Gaz. vol. 133; p. 124.
- Watts, W., Spring Grove, Ill. Mail-crane. No. 880,609; Mar. 3; Sp. p. 246; Dr. p. 51; Gaz. vol. 133; p. 43.
- Watts, W. H., Philadelphia, Pa. Built-in closet. No. 891,389; June 23; Sp. p. 4469; Dr. p. 973; Gaz. vol. 134; p. 1865.
- Waugh, A. L., assignor of one-half to R. S. Kraybill, Los Angeles, Cal. Mechanism for producing reciprocating motion. No. 894,992; Aug. 4; Sp. p. 438; Dr. p. 90; Gaz. vol. 135; p. 966.
- Waugh, C. E. (See McKay and Waugh.)
- Waugh, C. J., and F. Harendt, Camden, N. J. Cylinder-lock. No. 900,627; Oct. 6; Sp. p. 1190; Dr. p. 244; Gaz. vol. 136; p. 1255.
- Waugh, D. K. (See Hanna and Waugh.)
- Waugh, D. S., Denver, Colo., assignor to Iler Rock Drill Manufacturing Company. Spraying attachment for percussive tools. No. 889,835; June 2; Sp. p. 1252; Dr. p. 289; Gaz. vol. 134; p. 1263.
- Waugh, D. S., assignor to Iler Rock Drill Manufacturing Company, Denver, Colo. Automatic fluid-actuated feed mechanism for percussive tools. No. 897,231; Aug. 25; Sp. p. 4968; Dr. pp. 1054-5; Gaz. vol. 135; p. 1766.
- Waugh, D. S., assignor to Denver Rock Drill and Machinery Company, Denver, Colo. Drill-hole-cleaning attachment for hammer-drills. No. 907,430; Dec. 22; Sp. p. 4509; Gaz. vol. 137; p. 1826.
- Waugh, F. A., Amherst, Mass. Surveying instrument. No. 894,245; Apr. 7; Sp. p. 1186; Dr. p. 250; Gaz. vol. 133; p. 1379.
- Waugh, J., Cambridge, Mass. Display-cabinet. No. 887,882; May 19; Sp. p. 3152; Dr. p. 664; Gaz. vol. 134; p. 568.
- Wawrzinski, J., Oshkosh, Wis. Beer-tap. No. 879,604; Feb. 18; Sp. p. 3536; Dr. p. 740; Gaz. vol. 132; p. 1480.
- Waxelbaum, J. J. (See Ullmann, A., assignor.)
- Way, C. H., assignor to "New Way" Motor Company, Lansing, Mich. Engine. No. 877,023; Jan. 21; Sp. p. 2761; Dr. p. 597; Gaz. vol. 132; p. 516.
- Way, C. H., assignor to "New Way" Motor Company, Lansing, Mich. Governor for explosion-engines. No. 877,024; Jan. 21; Sp. p. 2763; Dr. p. 598; Gaz. vol. 132; p. 517.
- Way, F. M., Detroit, Mich. Invisible ear-drum. No. 902,785; Nov. 3; Sp. p. 483; Gaz. vol. 137; p. 85.
- Way, L. D., Rugby, N. D. Safety window-catch. No. 880,610; Mar. 3; Sp. p. 247; Dr. p. 51; Gaz. vol. 133; p. 43.
- Wayland, C. A., South Knoxville, Tenn. Printing-frame. No. 899,363; Sept. 22; Sp. p. 4188; Dr. p. 897; Gaz. vol. 136; p. 777.
- Wayman, W. N., Staunton, Va. Mold. No. 901,133; Oct. 13; Sp. p. 2220; Dr. p. 452; Gaz. vol. 136; p. 1446.
- Waymoth, C. H., Fitchburg, Mass. Feed mechanism for wood-turning lathes. No. 884,114; Apr. 7; Sp. p. 928; Dr. p. 195; Gaz. vol. 133; p. 1337.
- Waymoth, C. H., Fitchburg, Mass. Wood-turning lathe. No. 901,503; Oct. 20; Sp. p. 3024; Dr. p. 618; Gaz. vol. 136; p. 1605.
- Wayrynen, W. L., Dolph, S. D. Carbureter. No. 886,283; Apr. 28; Sp. p. 5354; Dr. p. 1125; Gaz. vol. 133; p. 2134.
- Wayrynen, W. L., Dolph, S. D. Igniter. No. 891,647; June 23; Sp. p. 5019; Dr. pp. 1080-1; Gaz. vol. 134; p. 1449.
- Wayrynen, W. L., Dolph, S. D. Valve mechanism for engines. No. 898,807; Sept. 15; Sp. p. 3128; Dr. p. 670; Gaz. vol. 136; p. 568.
- Wayt, B. J. (See Elsey and Wayt.)
- Weand, O. M. (See Matthias, W. C., assignor.)
- Weander, A. G., Sioux City, Iowa. Seed-fester cup. No. 891,450; June 23; Sp. p. 4587; Dr. p. 997; Gaz. vol. 134; p. 1884.
- Weant, W. A., Mocksville, N. C. Fluid-pressure railway-brake. No. 881,751; Mar. 10; Sp. p. 2502; Dr. p. 539; Gaz. vol. 133; p. 446.
- Weant, W. A., Mocksville, N. C. Triple valve. No. 882,599; Mar. 24; Sp. p. 4187; Dr. p. 888; Gaz. vol. 133; p. 784.
- Weant, W. A., Mocksville, N. C. Air-brake. No. 884,694; Apr. 14; Sp. p. 2105; Dr. p. 449; Gaz. vol. 133; p. 1555.
- Wear, W. (See Cohen, B., assignor.)
- Weaser, W. H., Pittsfield, Mass. Eyeglasses. No. 888,281; May 19; Sp. p. 3893; Dr. p. 820; Gaz. vol. 134; p. 697.
- Weaser, W. H., Pittsfield, Mass., assignor, by mesne assignments, to D. and M. Woolf, New York, N. Y. Eyeglasses. No. 887,364; May 12; Sp. p. 2097; Dr. p. 440; Gaz. vol. 134; p. 367.
- Weatherford, J., Horace, Ill. Rotary engine. No. 879,707; Feb. 18; Sp. p. 3741; Dr. p. 785; Gaz. vol. 132; p. 1515.
- Weatherhead, A. L. (See Weatherhead, C. B. and A. L.)
- Weatherhead, C. B. and A. L., Denver, Colo. Waxing device for laundry-irons. No. 897,804; Sept. 1; Sp. p. 1151; Dr. p. 245; Gaz. vol. 136; p. 182.
- Weatherly, A. M., Sr., Rome, Ga. Fence-post. No. 902,457; Oct. 27; Sp. p. 5010; Dr. p. 1012; Gaz. vol. 136; p. 1945.
- Weave-Print Company. (See Jacobson, J., assignor.)
- Wexel-Print Company. (See Jacobson and Tooker, assignors.)
- Weaver, B. L. (See Reinoehl and Weaver.)
- Weaver, B. L., and C. W. Reinoehl, Steelton, Pa. Heel-block for railway-frogs and the like. No. 881,982; Mar. 17; Sp. p. 2996; Dr. p. 640; Gaz. vol. 133; p. 551.
- Weaver, B. L., and C. W. Reinoehl, Steelton, Pa. Heel-block for railway-frogs and the like. No. 881,983; Mar. 17; Sp. p. 2997; Dr. p. 640; Gaz. vol. 133; p. 552.
- Weaver, B. L., and C. W. Reinoehl, Steelton, Pa. Heel-block for railway-frogs and the like. No. 881,984; Mar. 17; Sp. p. 2998; Dr. p. 640; Gaz. vol. 133; p. 552.
- Weaver, F. H., Griffin, Ga. Cultivating implement. No. 900,004; Sept. 29; Sp. p. 5520; Dr. pp. 1176-7; Gaz. vol. 136; p. 1021.
- Weaver, H. M., Mansfield, Ohio. Lavatory plug or stopper. No. 906,591; Dec. 15; Sp. p. 2854; Gaz. vol. 137; p. 1517.
- Weaver, H. M., Mansfield, Ohio. Lavatory. No. 906,592; Dec. 15; Sp. p. 2855; Gaz. vol. 137; p. 1517.
- Weaver, I. A., Springfield, Ill. Chuck. No. 893,958; July 21; Sp. p. 3289; Dr. p. 676; Gaz. vol. 135; p. 577.
- Weaver, I. A., Springfield, Ill. Chuck. No. 893,959; July 21; Sp. p. 3293; Dr. pp. 676-7; Gaz. vol. 135; p. 578.
- Weaver, I. A., Springfield, Ill. Chuck. No. 893,960; July 21; Sp. p. 3297; Dr. p. 677; Gaz. vol. 135; p. 578.
- Weaver, I. A., assignor to Racine-Sattley Company, Springfield, Ill. Wheeled plow. No. 883,365; Mar. 31; Sp. p. 5731; Dr. p. 1222; Gaz. vol. 133; p. 1065.
- Weaver, I. A., assignor to Racine-Sattley Company, Springfield, Ill. Wheeled plow. No. 883,678; Mar. 31; Sp. p. 6384; Dr. p. 1362; Gaz. vol. 133; p. 1164.
- Weaver, I. A., assignor of one-half to F. J. Marshall, Springfield, Ill. Automatic drill-drift. No. 891,022; June 16; Sp. p. 3733; Dr. p. 815; Gaz. vol. 134; p. 1713.
- Weaver, J. D., Naples, Ill. Spirit-level. No. 902,269; Oct. 27; Sp. p. 4593; Dr. p. 932; Gaz. vol. 136; p. 1882.
- Weaver, J. H. (See Young and Weaver.)
- Weaver, J. P., Terre Haute, Ind. Reel-holder. No. 885,115; Apr. 21; Sp. p. 2974; Dr. p. 628; Gaz. vol. 133; p. 1723.
- Weaver, J. W., assignor of one-half to M. Hoveck, Skidoo, Cal. Automatic dumping device. No. 888,434; May 19; Sp. p. 4216; Dr. p. 894; Gaz. vol. 134; p. 747.
- Weaver, W. J. (See Allen and Weaver.)
- Weaver, W. S., Bethlehem, Pa. Folding milk-bottle receptacle. No. 882,854; Mar. 24; Sp. p. 4706; Dr. p. 1000; Gaz. vol. 133; p. 868.
- Webb, A., Worcester, England. Manufacture of thread from hair. No. 903,645; Nov. 10; Sp. p. 2230; Gaz. vol. 137; p. 394.
- Webb, B. F., Sistersville, W. Va. Wrench. No. 877,273; Jan. 21; Sp. p. 3280; Dr. p. 710; Gaz. vol. 132; p. 600.
- Webb, D. L., New York, N. Y., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment-plug. No. 879,830; Feb. 18; Sp. p. 3984; Dr. p. 834; Gaz. vol. 132; p. 1555.
- Webb, E. W. (See Barber and Webb.)
- Webb, G. B. (See Rhodes, R. L., assignor.)
- Webb, G. B., Westfield, N. J., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 876,508; Jan. 14; Sp. p. 1663; Dr. pp. 361-2; Gaz. vol. 132; p. 304.
- Webb, G. H., Pawtucket, R. I. Die-finishing machine. No. 904,288; Nov. 17; Sp. p. 3604; Gaz. vol. 137; p. 642.
- Webb, H. B. (See Haynes and Webb.)
- Webb, H. H., assignor of one-half to A. H. Hyde, Yonkers, N. Y. Wire-coating machine. No. 876,755; Jan. 14; Sp. p. 2179; Dr. pp. 478-9; Gaz. vol. 132; p. 386.
- Webb, H. W., assignor to Webb Manufacturing Company, Newark, N. J. Making flexible wire shafts. No. 887,159; May 12; Sp. p. 1615; Dr. p. 343; Gaz. vol. 134; p. 297.
- Webb, H. W., assignor to Webb Manufacturing Company, Newark, N. J. Flexible wire shaft. No. 887,160; May 12; Sp. p. 1617; Dr. p. 343; Gaz. vol. 134; p. 298.
- Webb, J. B., Glenridge, N. J. Dynamometer. No. 888,371; May 19; Sp. p. 4070; Dr. p. 858; Gaz. vol. 134; p. 724.

Alphabetical list of patentees—Continued.

- Webb, J. F., Jr., Denver, Colo., assignor to Electric Signagraph and Semaphore Company, New York, N. Y. Circuit-closing relay. No. 904,661, Nov. 24; Sp. p. 4368; Gaz. vol. 137; p. 793.
- Webb, J. F., Jr., Denver, Colo., assignor to Electric Signagraph and Semaphore Company, New York, N. Y. Electrically-operated semaphore mechanism. No. 904,741; Nov. 24; Sp. p. 4536; Gaz. vol. 137; p. 820.
- Webb, L. G., Fort Atkinson, Wis. Cow-tail holder. No. 889,836; June 2; Sp. p. 1254; Dr. p. 289; Gaz. vol. 134; p. 1263.
- Webb Manufacturing Company. (See Webb, H. W., assignor.)
- Webb, R. D., Minden, La. Automatic weighing and dumping machine. No. 889,281; June 2; Sp. p. 175; Dr. p. 43; Gaz. vol. 134; p. 1086.
- Webb, S. D., and G. Shilling, assignors of one-fourth to J. H. Sencindiver, Washington, D. C. Bottle-seal. No. 885,409; Apr. 21; Sp. p. 3594; Dr. p. 753; Gaz. vol. 133; p. 1820.
- Webb, S. F., Wichita, Kans. Stock-feeder. No. 905,393; Dec. 1; Sp. p. 523; Gaz. vol. 137; p. 1074.
- Webber, F. B. (See Getchell, C. W., assignor.)
- Webber, J. B., Jr., assignor to Vulcan Iron Works Company, Toledo, Ohio. Power-shovel jack-arm and mounting. No. 882,086; Mar. 17; Sp. p. 3221; Dr. p. 684; Gaz. vol. 133; p. 586.
- Webber, J. B., Jr., Toledo, Ohio, assignor to Vulcan Iron Works Company, Toledo, Ohio. Power-excavator. No. 884,439; Apr. 14; Sp. p. 1559; Dr. p. 335; Gaz. vol. 133; p. 1471.
- Webber, J. B., Jr., assignor to Vulcan Iron Works Company, Toledo, Ohio. Excavator. No. 907,431; Dec. 22; Sp. p. 4510; Gaz. vol. 127; p. 1826.
- Webber, J. P., Lawrence, assignor to Draper Company, Hopedale, Mass. Detector for warp stop-motions. No. 890,738; June 16; Sp. p. 3151; Dr. p. 690; Gaz. vol. 134; p. 1619.
- Weber, A., Sr. (See Weber, J., assignor.)
- Weber, A. R., Hammond, Ind. Medicine-measure. No. 889,738; June 2; Sp. p. 1074; Dr. p. 248; Gaz. vol. 134; p. 1232.
- Weber, A. W. H., assignor of one-half to J. M. and B. M. Spencer, Indianapolis, Ind. Anchor and base-plate for lawn swings, benches, &c. No. 901,761; Oct. 20; Sp. p. 3568; Dr. p. 722; Gaz. vol. 136; p. 1690.
- Weber, C. (See Hehr and Weber.)
- Weber, C., Columbus, Ohio. Water-motor. No. 883,504; Mar. 31; Sp. p. 6042; Dr. p. 1289; Gaz. vol. 133; p. 1113.
- Weber, C. S., New York, N. Y. Stringed musical instrument. No. 888,372; May 19; Sp. p. 4073; Dr. p. 858; Gaz. vol. 134; p. 725.
- Weber & Co., F. (See Ellis, W. P., assignor.)
- Weber, D., Reading, Pa. Hat-box. No. 895,521; Aug. 11; Sp. p. 1497; Dr. p. 316; Gaz. vol. 135; p. 1166.
- Weber, E., Baker City, Oreg. Door-securer. No. 894,554; July 28; Sp. p. 4549; Dr. p. 943; Gaz. vol. 135; p. 794.
- Weber, F. (See Roberts and Weber.)
- Weber, F. (See Schirra and Weber.)
- Weber, G. J., Kansas City, Mo. Gas-producer. No. 879,505; Feb. 18; Sp. p. 3312; Dr. p. 693; Gaz. vol. 132; p. 1449.
- Weber, G. J., Kansas City, Mo. Producing gas. No. 887,989; May 19; Sp. p. 3357; Dr. p. 705; Gaz. vol. 134; p. 604.
- Weber, G. J., Kansas City, Mo. Producing gas and power. No. 890,475; June 9; Sp. p. 2565; Dr. p. 569; Gaz. vol. 134; p. 1499.
- Weber, G. J., Kansas City, Mo. Apparatus for generating gas. No. 890,476; June 9; Sp. p. 2569; Dr. p. 569; Gaz. vol. 134; p. 1499.
- Weber, G. W., assignor to American Can Company, New York, N. Y. Open-mouthed friction-top can or vessel. No. 893,769; July 21; Sp. p. 2904; Dr. p. 596; Gaz. vol. 135; p. 516.
- Weber, H. E., Canton, Ohio. Arm-rest. No. 877,274; Jan. 21; Sp. p. 3281; Dr. p. 710; Gaz. vol. 132; p. 601.
- Weber, H. J. (See Weber, M. J. and H. J.)
- Weber-Illeg, C., Delawanna, N. J. Combined cover and hood for caskets and graves. No. 900,971; Oct. 13; Sp. p. 1920; Dr. p. 391; Gaz. vol. 136; p. 1394.
- Weber, J., Jr., assignor to Toledo Metal Wheel Company, Toledo, Ohio. Mechanical motor-vehicle propulsion. No. 878,582; Feb. 11; Sp. p. 1489; Dr. p. 202; Gaz. vol. 132; p. 1110.
- Weber, J., Jasonville, assignor of one-half to A. G. Cummings, Terre Haute, Ind. Powder-can. No. 898,944; Sept. 15; Sp. p. 3371; Dr. p. 724; Gaz. vol. 136; p. 613.
- Weber, J., assignor to A. Weber, Sr., Schenectady, N. Y. Shade-holder for incandescent electric lamps. No. 904,821; Nov. 24; Sp. p. 4715; Gaz. vol. 137; p. 847.
- Weber, J. W., Pittsburg, Pa. Manipulator. (Reissue.) No. 12,859; Sept. 29; Sp. p. 5686; Dr. p. 1214; Gaz. vol. 136; p. 1045.
- Weber, L., Darmstadt, Germany. Pyrimidin derivative. (Reissue.) No. 12,745; Jan. 28; Sp. p. 4498; Gaz. vol. 132; p. 822.
- Weber, M. J. and H. J., Chicago, Ill. Core-arbor. No. 881,090; Mar. 3; Sp. p. 1194; Dr. p. 258; Gaz. vol. 133; p. 203.
- Weber, P., East Orange, assignor to New Jersey Patent Company, Orange, N. J. Phonograph-horn. No. 878,029; Feb. 4; Sp. p. 242; Dr. p. 60; Gaz. vol. 132; p. 894.
- Weber, P., Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 905,033; Nov. 24; Sp. p. 5148; Gaz. vol. 137; p. 918.
- Weber, P. J., Jr., Chicago, Ill. Stencil-holder. No. 877,972; Feb. 4; Sp. p. 151; Dr. p. 34; Gaz. vol. 132; p. 874.
- Weber-Stierlin, E. (See Heuscher and Weber-Stierlin.)
- Weber, T. A. (See Brower, B., assignor.)
- Weber, T. W., St. Louis, Mo. Halter. No. 897,329; Sept. 1; Sp. p. 154; Dr. p. 31; Gaz. vol. 136; p. 24.
- Weber, W. L., Boston, Mass., assignor to Belding & Franklin Machine Co., New York, N. Y. Decorticator. No. 889,161; May 26; Sp. p. 5734; Dr. p. 1213; Gaz. vol. 134; p. 1016.
- Weborg, A., Jamestown, N. Y. Furniture-spring. No. 882,600; Mar. 24; Sp. p. 4191; Dr. p. 888; Gaz. vol. 133; p. 785.
- Webster, B., assignor to J. M. Everett, Boston, Mass. Liquid-tank indicator. No. 907,657; Dec. 22; Sp. p. 4993; Gaz. vol. 137; p. 1899.
- Webster, C. E. (See Finnegan and Webster.)
- Webster, D., Baton Rouge, La. Device for hanging wall-paper. No. 877,025; Jan. 21; Sp. p. 2765; Dr. p. 598; Gaz. vol. 132; p. 517.
- Webster, E. A., Groveland, assignor to Haverhill Channeling Machine Company, Haverhill, Mass. Sole-channeling machine. No. 897,327; Sept. 1; Sp. p. 143; Dr. p. 30; Gaz. vol. 136; p. 23.
- Webster, E. A., Groveland, assignor to Haverhill Channeling Machine Company, Portland, Me. Shoe-channeling machine. No. 897,328; Sept. 1; Sp. p. 150; Dr. p. 31; Gaz. vol. 136; p. 23.
- Webster, E. A., Groveland, assignor to Haverhill Channeling Machine Co., Haverhill, Mass. Channeling-machine. No. 897,438; Sept. 1; Sp. p. 409; Dr. p. 87; Gaz. vol. 136; p. 64.
- Webster, E. A., Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-nailing machine. No. 900,244; Oct. 6; Sp. p. 349; Dr. p. 73; Gaz. vol. 136; p. 1130.
- Webster, E. B., La Crescent, Minn. Stump-sawing machine. No. 906,839; Dec. 15; Sp. p. 3324; Gaz. vol. 137; p. 1593.
- Webster, E. C., Whiting, Vt. Photographic-printing machine. No. 903,523; Nov. 10; Sp. p. 1976; Gaz. vol. 137; p. 355.
- Webster, E. F., Bridgeport, Conn. Device for operating transoms and shutters. No. 889,282; June 2; Sp. p. 177; Dr. p. 44; Gaz. vol. 134; p. 1086.
- Webster, E. F., Bridgeport, Conn. Wood-trimming machine. No. 891,308; June 23; Sp. p. 4295; Dr. p. 939; Gaz. vol. 134; p. 1837.
- Webster, E. F., Bridgeport, Conn. Wood-trimming machine. No. 896,872; Aug. 25; Sp. p. 4199; Dr. p. 899; Gaz. vol. 135; p. 1648.
- Webster, G. A., Somerville, assignor to Star Brass Manufacturing Co., Boston, Mass. Steam-engine indicator. No. 894,555; July 28; Sp. p. 4550; Dr. p. 53; Gaz. vol. 135; p. 794.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,232; Aug. 25; Sp. p. 4970; Dr. p. 1055; Gaz. vol. 135; p. 1766.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone-exchange system. No. 897,233; Aug. 25; Sp. p. 4993; Dr. p. 1055; Gaz. vol. 135; p. 1766.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,234; Aug. 25; Sp. p. 4999; Dr. p. 1056; Gaz. vol. 135; p. 1767.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,235; Aug. 25; Sp. p. 5011; Dr. p. 1056; Gaz. vol. 135; p. 1768.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,236; Aug. 25; Sp. p. 5021; Dr. p. 1056; Gaz. vol. 135; p. 1769.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,237; Aug. 25; Sp. p. 5030; Dr. p. 1057; Gaz. vol. 135; p. 1770.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,238; Aug. 25; Sp. p. 5036; Dr. p. 1057; Gaz. vol. 135; p. 1771.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,239; Aug. 25; Sp. p. 5041; Dr. p. 1057; Gaz. vol. 135; p. 1771.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,240; Aug. 25; Sp. p. 5045; Dr. p. 1057; Gaz. vol. 135; p. 1772.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,241; Aug. 25; Sp. p. 5050; Dr. p. 1058; Gaz. vol. 135; p. 1772.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,242; Aug. 25; Sp. p. 5055; Dr. p. 1058; Gaz. vol. 135; p. 1773.

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- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 897,243; Aug. 25; Sp. p. 5060; Dr. p. 1058; Gaz. vol. 135; p. 1773.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 907,658; Dec. 22; Sp. p. 4994; Gaz. vol. 137; p. 1899.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone-exchange system. No. 907,659; Dec. 22; Sp. p. 5004; Gaz. vol. 137; p. 1900.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 907,660; Dec. 22; Sp. p. 5014; Gaz. vol. 137; p. 1900.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 907,661; Dec. 22; Sp. p. 5023; Gaz. vol. 137; p. 1901.
- Webster, H. G., assignor to M. G. Kellogg, Chicago, Ill. Telephone system. No. 907,662; Dec. 22; Sp. p. 5028; Gaz. vol. 137; p. 1901.
- Webster, H. G., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 902,930; Nov. 3; Sp. p. 802; Gaz. vol. 137; p. 132.
- Webster, H. G., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 904,583; Nov. 24; Sp. p. 4213; Gaz. vol. 137; p. 767.
- Webster, I., *et al.* (See McCarty, W. B., assignor.)
- Webster, I. J., Paulding, Ohio. Coffee or tea pot. No. 877,973; Feb. 4; Sp. p. 152; Dr. p. 34; Gaz. vol. 132; p. 874.
- Webster, J., Chicago, Ill. Wind-shield. No. 883,261; Mar. 31; Sp. p. 5527; Dr. p. 1179; Gaz. vol. 133; p. 1032.
- Webster, J. E., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator-cover. No. 878,167; Feb. 4; Sp. p. 574; Dr. p. 117; Gaz. vol. 132; p. 938.
- Webster, J. E., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric-motor suspension. No. 905,964; Dec. 8; Sp. p. 1670; Gaz. vol. 137; p. 1288.
- Webster, J. M. (See Schriver and Webster.)
- Webster and Perks Tool Company. (See Perks, A. J., assignor.)
- Webster, T. B., Baltimore, Md. Hoisting apparatus. No. 878,844; Feb. 11; Sp. p. 1989; Dr. p. 412; Gaz. vol. 132; p. 1195.
- Webster, W., London, Ontario, Canada, assignor, by mesne assignments, to Warren Featherbone Company of Michigan, Three Oaks, Mich. Quill-feeding device for automatic machines. No. 894,556; July 28; Sp. p. 4553; Dr. pp. 943-4; Gaz. vol. 135; p. 795.
- Webster, W., London, Ontario, Canada, assignor, by mesne assignments, to Warren Featherbone Company of Michigan, Three Oaks, Mich. Machine for treating quill substances. No. 900,048; Sept. 29; Sp. p. 5623; Dr. pp. 1200-3; Gaz. vol. 136; p. 1036.
- Webster, W., London, Ontario, Canada, assignor, by mesne assignments, to Warren Featherbone Company of Michigan, Three Oaks, Mich. Machine for preparing quill substances. No. 903,248; Nov. 10; Sp. p. 1431; Gaz. vol. 137; p. 265.
- Webster, W. D., *et al.* (See Jones, W. A., assignor.)
- Webster, W. R., Philadelphia, Pa. Starting means for explosive-engines. No. 892,199; June 30; Sp. p. 6115; Dr. p. 1315; Gaz. vol. 134; p. 2163.
- Webster, W. R., Philadelphia, Pa. Starting mechanism for explosive-engines. No. 905,611; Dec. 1; Sp. p. 1002; Gaz. vol. 137; p. 1144.
- Webster, W. R., and W. R. Clark, Bridgeport, Conn. Mechanism for receiving or delivering tubes. No. 896,781; Aug. 25; Sp. p. 3994; Dr. p. 859; Gaz. vol. 135; p. 1617.
- Weekbaugh, J. V., Denver, Colo. Stamping instrument. No. 877,148; Jan. 21; Sp. p. 3020; Dr. pp. 653-4; Gaz. vol. 132; p. 558.
- Weekley, F., St. Davids, Pa. Fastening device for garments. No. 884,246; Apr. 7; Sp. p. 1188; Dr. p. 250; Gaz. vol. 133; p. 1380.
- Wedekind, C., St. Jean-sur-Mer, France. Turbine. No. 880,181; Feb. 25; Sp. p. 4727; Dr. p. 1000; Gaz. vol. 132; p. 1703.
- Wedekind, C., St. Jean-sur-Mer, France. Gaseous-fluid turbine. No. 897,503; Sept. 1; Sp. p. 535; Dr. pp. 113-14; Gaz. vol. 136; p. 86.
- Wedeking, W. M., and H. Jacobi, Abbottsford, Wis. Draft-equalizer. No. 883,599; Mar. 31; Sp. p. 6220; Dr. p. 1326; Gaz. vol. 133; p. 1139.
- Wedelin, C. R., assignor to Aktiebolaget L. M. Ericsson & Co., Stockholm, Sweden. Coin-controlled selling apparatus for stamps, tickets, and the like. No. 879,991; Feb. 25; Sp. p. 4343; Dr. pp. 910-11; Gaz. vol. 132; p. 1641.
- Wedge, A. G., *et al.* (See Anderson, A., assignor.)
- Wedge, U., Ardmore, Pa. Grain hulling or cleaning machine. No. 887,556; May 12; Sp. p. 2504; Dr. p. 523; Gaz. vol. 134; p. 431.
- Wedge, U., Ardmore, Pa. Preparing fine particles of iron oxid for use in blast-furnaces. No. 889,563; June 2; Sp. p. 745; Gaz. vol. 134; p. 1177.
- Wedge, U., Ardmore, Pa. Feeding device for furnaces. No. 890,543; June 9; Sp. p. 2700; Dr. p. 596; Gaz. vol. 134; p. 1521.
- Wedge, U., Ardmore, Pa. Preparing arsenic trioxid. No. 894,764; July 28; Sp. p. 4936; Dr. pp. 1028-9; Gaz. vol. 135; p. 862.
- Wedge, U., Ardmore, Pa. Manufacture of arsenious oxid. No. 900,138; Oct. 6; Sp. p. 137; Dr. p. 29; Gaz. vol. 136; p. 1095.
- Wedgefuth, L. C., New York, N. Y., assignor to Sulfosol Company. Necktie maker or former. No. 892,919; July 7; Sp. p. 1071; Dr. p. 225; Gaz. vol. 135; p. 177.
- Wedgefuth, L. C., New York, N. Y., assignor to Sulfosol Company. Necktie maker and holder. No. 892,920; July 7; Sp. p. 1072; Dr. p. 225; Gaz. vol. 135; p. 178.
- Wedgefuth, L. C., New York, N. Y., assignor to Sulfosol Company. Necktie-maker. No. 892,921; July 7; Sp. p. 1073; Dr. p. 225; Gaz. vol. 135; p. 178.
- Wedgewood, D., Peterboro, Ontario, Canada. Coin-controlled apparatus. No. 884,247; Apr. 7; Sp. p. 1190; Dr. pp. 250-1; Gaz. vol. 133; p. 1380.
- Weed, H. D., and H. Casler, Canastota, N. Y. Mechanism for actuating cyclometers. No. 905,612; Dec. 1; Sp. p. 1003; Gaz. vol. 137; p. 1144.
- Weed, J. A., *et al.* (See Ingalls, J. A., assignor.)
- Weedon, W. S., Schenectady, N. Y., assignor to General Electric Company. Arc-lamp electrode. No. 883,924; Apr. 7; Sp. p. 513; Dr. p. 101; Gaz. vol. 133; p. 1274.
- Weedon, W. S., Schenectady, N. Y., assignor to General Electric Company. Arc-lamp. No. 889,162; May 26; Sp. p. 5735; Dr. p. 1214; Gaz. vol. 134; p. 1016.
- Weedon, W. S., Woodbury, N. J., assignor to General Electric Company. Electric-arc lamp. No. 889,163; May 26; Sp. p. 5740; Dr. p. 1214; Gaz. vol. 134; p. 1017.
- Weekes, J. D., Northumberland, Pa. Vehicle-gear. No. 904,822; Nov. 24; Sp. p. 4717; Gaz. vol. 137; p. 848.
- Weekes, J. D., assignor to Keystone Forging Company, Northumberland, Pa. Running-gear for vehicles. No. 876,032; Jan. 7; Sp. p. 671; Dr. p. 144; Gaz. vol. 132; p. 115.
- Weekley, V. S., Pennsboro, W. Va. Poultry-coop. No. 878,696; Feb. 11; Sp. p. 1706; Dr. p. 353; Gaz. vol. 132; p. 1147.
- Weeks, C., Mountain View, Cal. Combined trap-nest and poultry-coop. No. 894,765; July 28; Sp. p. 4938; Dr. pp. 1029-30; Gaz. vol. 135; p. 862.
- Weeks, C. D., Akron, Ohio. Pottery-spinning wheel. No. 895,060; Aug. 4; Sp. p. 569; Dr. pp. 117-18; Gaz. vol. 135; p. 988.
- Weeks, C. E., Prosperity, Mo. Metal-cutting shears. No. 897,179; Aug. 25; Sp. p. 4840; Dr. pp. 1029-30; Gaz. vol. 135; p. 1748.
- Weeks, F. B. (See Richmond, G. E., assignor.)
- Weeks, I. W., Richmond, Va. Flax-harvester. No. 885,897; Apr. 28; Sp. p. 4575; Dr. p. 959; Gaz. vol. 133; p. 2006.
- Weeks, J., assignor of one-half to H. C. Dudgeon, Locust Valley, N. Y. Hydraulic jack, punch, and similar machines. No. 876,920; Jan. 14; Sp. p. 2503; Dr. p. 546; Gaz. vol. 132; p. 440.
- Weeks, J. W., Providence, R. I. Gas-pressure regulator. No. 885,681; Apr. 21; Sp. p. 4128; Dr. p. 864; Gaz. vol. 133; p. 1904.
- Weeks, K., Boston, Mass. Rotary centerpiece for dining-tables. No. 893,210; July 14; Sp. p. 1666; Dr. p. 352; Gaz. vol. 135; p. 301.
- Weeks, S. V., Highland Park, Tenn., assignor to Emerson Manufacturing Company, Rockford, Ill. Wheeled plow. No. 903,120; Nov. 3; Sp. p. 1171; Gaz. vol. 137; p. 191.
- Weeks, W. C., Spokane, Wash. Excavating apparatus. No. 882,726; Mar. 24; Sp. p. 4440; Dr. p. 944; Gaz. vol. 133; p. 826.
- Weeks, W. C., Spokane, Wash. Excavating apparatus. No. 887,990; May 19; Sp. p. 3360; Dr. pp. 705-6; Gaz. vol. 134; p. 604.
- Weel, L. V., Jersey City, N. J. Sash-lock or window-fastener. No. 878,697; Feb. 11; Sp. p. 1708; Dr. pp. 353-4; Gaz. vol. 132; p. 1147.
- Weenen, J. J. H. W. (See Stoffels and Weenen.)
- Weßing, A., Maltatt-Burbach, assignor to Ehrhardt & Sehmer, Gesellschaft mit Beschränkter Haftpflicht, Schleifmühle, near Saarbrücken, Germany. Stuffing-box for gas-engines. No. 904,386; Nov. 17; Sp. p. 3785; Gaz. vol. 137; p. 674.
- Wegelin, G., Kalscheuren, near Cologne, Germany. Apparatus for making lampblack. No. 897,439; Sept. 1; Sp. p. 411; Dr. p. 87; Gaz. vol. 136; p. 64.
- Wegener, C. R., and H. E. Hanson, Winona, Minn. Cabinet. No. 899,147; Sept. 22; Sp. p. 3764; Dr. pp. 805-6; Gaz. vol. 136; p. 708.
- Wegner, R., Astoria, and W. F. Meyers, Long Island City, N. Y.; said Wegner assignor to said Meyers. Stone-sawing machine. No. 896,782; Aug. 25; Sp. p. 3996; Dr. pp. 859-60; Gaz. vol. 135; p. 1617.
- Wegner, W. F., assignor to S. T. Williams, New York, N. Y. Incandescent-lamp socket. No. 897,805; Sept. 1; Sp. p. 1152; Dr. p. 245; Gaz. vol. 136; p. 182.
- Wehinger, J. J., Worcester, Mass. Carding-machine. No. 893,290; July 14; Sp. p. 1824; Dr. p. 383; Gaz. vol. 135; p. 328.
- Wehn, C. K., Elyria, Ohio. Fender. No. 894,357; July 28; Sp. p. 4143; Dr. p. 856; Gaz. vol. 135; p. 730.
- Wehrenberg, C. E., Mound City, assignor to Belleville Baler Company, Belleville, Ill. Baling-press. (Reissue.) No. 12,865; Oct. 13; Sp. p. 2571; Dr. pp. 528-9; Gaz. vol. 136; p. 1504.
- Wehrle, J. B. (See Crew, J., assignor.)
- Wehrlein, B., and F. C. Matthews, Pompton Lakes, N. J. Take-up for looms. No. 899,931; Sept. 29; Sp. p. 5366; Dr. p. 1144; Gaz. vol. 136; p. 997.
- Wehrly, H. A. (See Penland, M. O., assignor.)

Alphabetical list of patentees—Continued.

- Wehrsen, A., Berlin, Germany. Disk for influence or static induction and condenser machines. No. 901,666; Oct. 20; Sp. p. 3336; Dr. p. 685; Gaz. vol. 136; p. 1656.
- Weibel-Mulisch, J., Zurich, assignor to A. Wild-Siegfried, Thalwil, near Zurich, Switzerland. Ball-bearing. No. 898,945; Sept. 15; Sp. p. 3373; Dr. p. 724; Gaz. vol. 136; p. 614.
- Weichelt, C. L., Philadelphia, Pa. Governor for dynamos. No. 899,088; Sept. 22; Sp. p. 3636; Dr. p. 779; Gaz. vol. 136; p. 687.
- Weichert, E., Augsburg, Germany. Apparatus for the electrolysis of fluids. No. 896,184; Aug. 18; Sp. p. 2776; Dr. p. 598; Gaz. vol. 135; p. 1399.
- Weidely, G. A., assignor of one-half to H. O. Smith, Indianapolis, Ind. Automobile. No. 889,996; June 9; Sp. p. 1599; Dr. p. 359; Gaz. vol. 134; p. 1343.
- Weidemann, T. R., Jersey City, N. J. Hand-bag. No. 905,034; Nov. 24; Sp. p. 5150; Gaz. vol. 137; p. 918.
- Weidemann, W., Dusseldorf, Germany. Wrench. No. 898,708; Sept. 15; Sp. p. 2949; Dr. p. 632; Gaz. vol. 136; p. 537.
- Weidhaas, G. A., Jr., New York, N. Y. Tooth-brush cabinet. No. 880,432; Feb. 25; Sp. p. 5245; Dr. p. 1103; Gaz. vol. 132; p. 1787.
- Weidinger, G., Circleville, Ohio. Planter attachment. No. 888,676; May 26; Sp. p. 4733; Dr. p. 1006; Gaz. vol. 134; p. 859.
- Weidl, F., Dresden, Germany. Hand-bidet. No. 901,134; Oct. 13; Sp. p. 2221; Dr. p. 452; Gaz. vol. 136; p. 1446.
- Weidling, W., Magdeburg, Germany. Automobile-tire. No. 887,295; May 12; Sp. p. 1956; Dr. p. 411; Gaz. vol. 134; p. 343.
- Weidner, M. G. (See Martin, C. L., assignor.)
- Weidner, M. G., *et al.* (See Senter, J. F., assignor.)
- Weihn, F., Hanover, Germany. Saddle-clamp for cycles. No. 906,972; Dec. 15; Sp. p. 3575; Gaz. vol. 137; p. 1637.
- Weikel, E. R. (See Weikel, O. C. and E. R.)
- Weikel, O. C. and E. R., Ronceverte, W. Va. Mower. No. 886,167; Apr. 28; Sp. p. 5136; Dr. p. 1080; Gaz. vol. 133; p. 2093.
- Weikly, J. N., Jersey City, N. J. Cap. No. 903,924; Nov. 17; Sp. p. 2836; Gaz. vol. 137; p. 518.
- Weil, A. (See Amstalden, W., assignor.)
- Weil & Co., Firm of P. (See Völker, J., assignor.)
- Weil, D., Paris, France. Cigarette-manufacturing machine. No. 903,925; Nov. 17; Sp. p. 2838; Gaz. vol. 137; p. 518.
- Weil, E., New York, N. Y. Covered frame. No. 895,522; Aug. 11; Sp. p. 1498; Dr. p. 316; Gaz. vol. 135; p. 1166.
- Weil, J., Mansfield, Ohio. Mop-wringer. No. 903,524; Nov. 10; Sp. p. 1978; Gaz. vol. 137; p. 355.
- Weil, L. N. (See Legge and Weil.)
- Weil, O. (See Goldschmidt and Weil.)
- Weil, W. G., *et al.* (See Murray, J. W., assignor.)
- Weiland, A. (See Gerber and Weiland.)
- Weilep, J. F., Braddock, Pa. Concrete railroad-tie. No. 905,035; Nov. 24; Sp. p. 5151; Gaz. vol. 137; p. 918.
- Weiler, M., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Diphenylnaphthylmethane dye. No. 891,888; June 30; Sp. p. 5508; Gaz. vol. 134; p. 2032.
- Weiler, M., assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Diphenylnaphthylmethane dye. No. 891,889; June 30; Sp. p. 5508; Gaz. vol. 134; p. 2062.
- Weiler, P., *et al.* (See Deeg, C., assignor.)
- Weiler, W., Dayton, Ohio. Floor-drain and backwater trap. No. 902,030; Oct. 27; Sp. p. 4117; Dr. p. 833; Gaz. vol. 136; p. 1806.
- Weimer, J. A., McHenry, Md. Sawdust collector and conveyer. No. 889,837; June 2; Sp. p. 1255; Dr. p. 289; Gaz. vol. 134; p. 1263.
- Weinberg, I. J., Chicago, Ill. Combined dining-table and settee. No. 894,299; July 28; Sp. p. 4037; Dr. p. 834; Gaz. vol. 135; p. 711.
- Weingard, D. (See Ferlin, G. H., assignor.)
- Weingartner, A. E., Bethlehem, Pa. Hydraulic motor. No. 902,351; Oct. 27; Sp. p. 4787; Dr. p. 966; Gaz. vol. 136; p. 1911.
- Weingärtner, E. (See Freiss and Weingärtner.)
- Weingärtner, E., *et al.* (See Müller-Jacobs, A., assignor.)
- Weingott, N. L., Warsaw, Russia. Telephone and station apparatus. No. 879,073; Feb. 11; Sp. p. 2414; Dr. pp. 505-6; Gaz. vol. 132; p. 1266.
- Weinhardt, A. G., assignor of two-thirds to K. P. Emery and J. C. Halliday, Benton Harbor, Mich. Cherry-pitter. No. 886,906; May 5; Sp. p. 1142; Dr. p. 240; Gaz. vol. 134; p. 187.
- Weinland, H. F., assignor to Lagonda Manufacturing Company, Springfield, Ohio. Apparatus for cleaning boiler-tubes. No. 878,583; Feb. 11; Sp. p. 1490; Dr. pp. 302-3; Gaz. vol. 132; p. 1111.
- Weinland, H. F., assignor to Lagonda Manufacturing Company, Springfield, Ohio. Apparatus for cleaning boiler-tubes. No. 894,557; July 28; Sp. p. 4555; Dr. p. 944; Gaz. vol. 135; p. 795.
- Weinman, G. G., Columbus, Ohio. Gas-burning attachment for furnaces. No. 899,275; Sept. 22; Sp. p. 4038; Dr. p. 863; Gaz. vol. 136; p. 749.
- Weinman, W. J., Nicholasville, Ky. Stuffing-box. No. 902,352; Oct. 27; Sp. p. 4790; Dr. p. 967; Gaz. vol. 136; p. 1912.
- Weinrich, M., Yonkers, N. Y., assignor of one-third to C. Portius, Halle-on-the-Saale, Germany. Treating sugar-beets. No. 881,641; Mar. 10; Sp. p. 2294; Dr. p. 497; Gaz. vol. 133; p. 413.
- Weintraub, E., Schenectady, N. Y., assignor to General Electric Company. Transforming the energy of electric currents. No. 877,026; Jan. 21; Sp. p. 2767; Dr. p. 598; Gaz. vol. 132; p. 518.
- Weintraub, E., Schenectady, N. Y., assignor to General Electric Company. Means for operating vapor electric lamps. No. 894,766; July 28; Sp. p. 4940; Dr. p. 1030; Gaz. vol. 135; p. 862.
- Weintraud, A., London, England. Massage appliance. No. 892,341; June 30; Sp. p. 6381; Dr. p. 1376; Gaz. vol. 134; p. 2210.
- Weintz, J., Cleveland, Ohio. Drier. No. 875,874; Jan. 7; Sp. p. 365; Dr. pp. 80-1; Gaz. vol. 132; p. 67.
- Weir, J. C., Vidalia, La. Hand-power propeller. No. 878,845; Feb. 11; Sp. p. 1991; Dr. p. 413; Gaz. vol. 132; p. 1195.
- Weir, R., assignor of one-half to P. P. Schnorbach, Muskegon, Mich. Cart. No. 900,455; Oct. 6; Sp. p. 822; Dr. p. 168; Gaz. vol. 136; p. 1199.
- Weirs, F. (See Walker and Weirs.)
- Weis, A. W. D., Waterloo, and J. Starman, Cedar Rapids, Iowa; said Starman assignor to said Weis. Cell-case machine. No. 880,845; Mar. 3; Sp. p. 734; Dr. pp. 155-6; Gaz. vol. 133; p. 124.
- Weis, J., St. Paul, Minn. Egg-crate. No. 894,924; Aug. 4; Sp. p. 283; Dr. pp. 59-60; Gaz. vol. 135; p. 942.
- Weis, J. P., Brooklyn, N. Y., assignor, by mesne assignments, to Metropolitan Sewing Machine Company. Seam for sewed articles. No. 877,275; Jan. 21; Sp. p. 3282; Dr. p. 710; Gaz. vol. 132; p. 601.
- Weisbeck, J. A., and E. Johnson, Alden, N. Y. Jar-opening-wrench. No. 893,405; July 14; Sp. p. 2030; Dr. p. 426; Gaz. vol. 135; p. 365.
- Weisbrod, J., New York, assignor to C. O. Boyer, Brooklyn, and F. Kuster, New York, N. Y. Bookbinder. No. 892,200; June 30; Sp. p. 6117; Dr. p. 1316; Gaz. vol. 134; p. 2163.
- Weisenbach, C. and J., Pittsburg, Pa. Toy oil-well. No. 880,943; Mar. 3; Sp. p. 920; Dr. p. 198; Gaz. vol. 133; p. 155.
- Weisenbach, J. (See Weisenbach, C. and J.)
- Weisenberg, F., New York, N. Y. Receptacle. No. 900,901; Oct. 13; Sp. p. 1767; Dr. p. 359; Gaz. vol. 136; p. 1371.
- Weisenborn, G. P. A., Clarence, Mo. Fence-weaving machine. No. 898,294; Sept. 8; Sp. p. 2138; Dr. pp. 454-5; Gaz. vol. 136; p. 370.
- Weisenborn, J., Quincy, Ill. Engine. No. 891,119; June 16; Sp. p. 3893; Dr. p. 852; Gaz. vol. 134; p. 1742.
- Weiser, O. T., assignor to S. Lubin, Philadelphia, Pa. Moving-picture-projecting machine. No. 881,512; Mar. 10; Sp. p. 2032; Dr. p. 443; Gaz. vol. 133; p. 369.
- Weiss, A., and E. Nagel, Fredericksburg, Tex. Stone-drilling machine. No. 882,805; Mar. 24; Sp. p. 4600; Dr. p. 980; Gaz. vol. 133; p. 852.
- Weiss, A. H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 897,042; Aug. 25; Sp. p. 4584; Dr. p. 977; Gaz. vol. 135; p. 1705.
- Weiss, A. H., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Hinge for boxes. No. 899,818; Sept. 29; Sp. p. 5126; Dr. p. 1096; Gaz. vol. 136; p. 962.
- Weiss, A. R., Jr., Hilchenbach, Germany. Extraction of glue from mineral-dressed or chrome-tanned leather. No. 882,481; Mar. 17; Sp. p. 3939; Gaz. vol. 133; p. 713.
- Weiss, A. T., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Follower for paper-filing devices. No. 879,343; Feb. 18; Sp. p. 2957; Dr. p. 617; Gaz. vol. 132; p. 1396.
- Weiss, G. W., New York, N. Y. Power-fan. No. 889,649; June 2; Sp. p. 892; Dr. p. 205; Gaz. vol. 134; p. 1204.
- Weiss, J. (See Bolton and Weiss.)
- Weiss, K., Waterbury, Conn. Revolving wrench. No. 896,602; Aug. 18; Sp. p. 3622; Dr. p. 778; Gaz. vol. 135; p. 1537.
- Weiss, L., Budapest, Austria-Hungary. Producing solid hard pieces from pulverulent material of any origin. No. 899,581; Sept. 29; Sp. p. 4623; Gaz. vol. 136; p. 884.
- Weissenhanner, A. L., New York, N. Y. Bottle-sealing machine. No. 891,511; June 23; Sp. p. 4714; Dr. pp. 1020-3; Gaz. vol. 134; p. 1905.
- Weissenhanner, A. L., New York, N. Y. Bottle-sealing machine. No. 894,864; Aug. 4; Sp. p. 120; Dr. pp. 26-8; Gaz. vol. 135; p. 921.
- Weissenhanner, A. L., New York, N. Y. Bottle-sealing machine. No. 907,205; Dec. 22; Sp. p. 4049; Gaz. vol. 137; p. 1748.
- Weissman, J. M. (See Ga Nun, F. E., assignor.)
- Weisz, A., Colorado Springs, Colo. Cigarette-pipe. No. 889,283; June 2; Sp. p. 180; Dr. p. 45; Gaz. vol. 134; p. 1087.
- Weitlich, R. E. E., Sturgeon Bay, Wis. Vending-machine. No. 905,394; Dec. 1; Sp. p. 524; Gaz. vol. 137; p. 1074.
- Weitzel, H. C., Baltimore Md. Automatic cut-off for oil-tanks. No. 903,926; Nov. 17; Sp. p. 2841; Gaz. vol. 137; p. 519.

Alphabetical list of patentees—Continued.

- Weitzel, J. A., Rochester, N. Y. Hub-securing device. No. 902,127; Oct. 27; Sp. p. 4299; Dr. p. 871; Gaz. vol. 136; p. 1836.
- Weizmann, C., assignor to Clayton Aniline Company, Limited, Manchester, England. Making camphene. No. 896,962; Aug. 25; Sp. p. 4418; Gaz. vol. 135; p. 1678.
- Welborn, W. C. (See Bracy and Welborn.)
- Welborn, W. P. (See Dobbs and Welborn.)
- Welch, C. R., Rossland, British Columbia, Canada. Governor attachment. No. 888,946; May 26; Sp. p. 5304; Dr. p. 1125; Gaz. vol. 134; p. 947.
- Welch, D. S., Iowa City, Iowa. Safety door-bolt. No. 906,593; Dec. 15; Sp. p. 2856; Gaz. vol. 137; p. 1518.
- Welch, E. F., Lawrence, Mass. Centrifugal pump. No. 889,164; May 26; Sp. p. 5742; Dr. pp. 1214-15; Gaz. vol. 134; p. 1017.
- Welch, E. G., Nankin, Ohio. Lap-joint for roofing or siding sheets. No. 879,708; Feb. 18; Sp. p. 3743; Dr. p. 785; Gaz. vol. 132; p. 1515.
- Welch, G. F., assignor of one-half to F. D. Walter, Fort Wayne, Ind. Self-measuring oil-pump. No. 906,478; Dec. 8; Sp. p. 2641; Gaz. vol. 137; p. 1456.
- Welch, J. B., and C. W. Wheatley, Stockport, Iowa. Fishing device. No. 900,139; Oct. 6; Sp. p. 140; Dr. p. 29; Gaz. vol. 136; p. 1095.
- Welch, J. R., assignor to Keefer-Heart Iron and Steel Company, Alexandria, Ind. Trimming-machine. No. 881,213; Mar. 10; Sp. p. 1435; Dr. pp. 309-10; Gaz. vol. 133; p. 272.
- Welch, J. R., assignor to Keefer-Heart Iron and Steel Company, Alexandria, Ind. Bending-machine. No. 882,133; Mar. 17; Sp. p. 3295; Dr. pp. 702-3; Gaz. vol. 133; p. 600.
- Welch, J. R., assignor to Keefer-Heart Iron and Steel Company, Alexandria, Ind. Wheel-assembling machine. No. 882,855; Mar. 24; Sp. p. 4707; Dr. p. 1001; Gaz. vol. 133; p. 869.
- Welch, J. R., assignor, by mesne assignments, to American Steel Wheel Company, Alexandria, Ind. Metal wheel-spoke. No. 899,476; Sept. 22; Sp. p. 4384; Dr. p. 940; Gaz. vol. 136; p. 812.
- Welch, J. R., assignor to American Steel Wheel Company, Alexandria, Ind. Laminated metal wheel-spoke. No. 900,049; Sept. 29; Sp. p. 5633; Dr. p. 1203; Gaz. vol. 136; p. 1036.
- Welch, L. C., Oakland, Me. Shock-absorbing device for vehicles. No. 880,257; Feb. 25; Sp. p. 4888; Dr. p. 1033; Gaz. vol. 132; p. 1729.
- Welch, L. W., Grand Rapids, Mich. Extension-bracket for garment-display cases. No. 879,341; Feb. 18; Sp. p. 2954; Dr. p. 616; Gaz. vol. 132; p. 1395.
- Welch, R. (See McMaugh and Welch.)
- Welch, S., Merkel, Tex. Poultry-nest. No. 896,258; Aug. 18; Sp. p. 2927; Dr. p. 631; Gaz. vol. 135; p. 1425.
- Welch, T. J., Salem, Mo. Rail-joint. No. 895,921; Aug. 11; Sp. p. 2281; Dr. p. 487; Gaz. vol. 135; p. 1294.
- Welch, W. E., Mattoon, Ill. Broom-core breaker and tabler. No. 890,386; June 9; Sp. p. 2411; Dr. pp. 531-2; Gaz. vol. 134; p. 1471.
- Welcome, E. T., Philadelphia, Pa. Apparatus for treating night-soil, &c. No. 889,418; June 2; Sp. p. 457; Dr. p. 109; Gaz. vol. 134; p. 1131.
- Weld, G. A. (See Kingston, W. H., assignor.)
- Weld, G. A., Winchester, Mass. Suspender-buckle. No. 889,495; June 2; Sp. p. 617; Dr. p. 144; Gaz. vol. 134; p. 1155.
- Welde, R. (See Homolka and Welde.)
- Welden, W. T., *et al.* (See Wrench, E. F., assignor.)
- Welding, O. P., Sioux City, Iowa. Tread-power. No. 877,388; Jan. 21; Sp. p. 3491; Dr. pp. 757-8; Gaz. vol. 132; p. 636.
- Welding, O. P., Sioux City, Iowa. Combination buckle and thill-carrier. No. 888,947; May 26; Sp. p. 5305; Dr. p. 1125; Gaz. vol. 134; p. 948.
- Weldon, M. L., Rockford, Ill. Poultry water and grain receptacle. No. 904,584; Nov. 24; Sp. p. 4216; Gaz. vol. 137; p. 767.
- Weldon, W. B., Chicago, Ill. Concrete-mold. No. 904,033; Nov. 17; Sp. p. 3042; Gaz. vol. 137; p. 553.
- Welin, P., Worcester, Mass., assignor to A. Krell, Newcastle, Ind. Differential valve for pneumatically-controlled musical instruments. No. 889,165; May 26; Sp. p. 5744; Dr. p. 1215; Gaz. vol. 134; p. 1018.
- Welker, A. E. (See Price, Dreher, and Welker.)
- Wellan, F., assignor to E. Cooper, Vienna Austria-Hungary. Device for laying parquet flooring. No. 904,823; Nov. 24; Sp. p. 4718; Gaz. vol. 137; p. 848.
- Wellcome, H. S. (See Overton, J. L., assignor.)
- Weller, A. S., St. Paul, Minn. Holder for brooms and the like. No. 894,248; July 28; Sp. p. 3914; Dr. p. 809; Gaz. vol. 135; p. 693.
- Weller, B. J., New York, N. Y. Razor. No. 885,410; Apr. 21; Sp. p. 3596; Dr. p. 753; Gaz. vol. 133; p. 1821.
- Weller, B. M., Franklin, Pa. Combined facing-tool and counterbore. No. 897,041; Aug. 25; Sp. p. 4582; Dr. p. 977; Gaz. vol. 135; p. 1705.
- Weller, F. R. (See Olberg, C. R., assignor.)
- Weller, J. G., Munhall, Pa. Brake for vehicles. No. 891,120; June 16; Sp. p. 3894; Dr. p. 852; Gaz. vol. 131; p. 1743.
- Weller, J. N., Knoxville, Tenn. Hinge. No. 895,704; Aug. 11; Sp. p. 1851; Dr. p. 393; Gaz. vol. 135; p. 1225.
- Welles, F. (See Davis, I. N., assignor.)
- Welles, R. H., assignor to Badger Brass Manufacturing Company, Kenosha, Wis. Acetylene-generator. (Reissuc.) No. 12,787; Apr. 28; Sp. p. 5500; Dr. p. 1150; Gaz. vol. 133; p. 2154.
- Welles, R. H., assignor to Badger Brass Mfg. Co., Kenosha Wis. Fastening-clamp for lamps. No. 894,300; July 28; Sp. p. 4039; Dr. p. 834; Gaz. vol. 135; p. 711.
- Wellings, J. H., *et al.* (See Pearson, C. E., assignor.)
- Welliver, J. D., and W. G. Harrington, Scranton, Pa. Door track and hanger. No. 880,258; Feb. 25; Sp. p. 4891; Dr. p. 1034; Gaz. vol. 132; p. 1730.
- Wellman, C. A., Ottumwa, Iowa. Banana-shipping case. No. 880,702; Mar. 3; Sp. p. 414; Dr. p. 89; Gaz. vol. 133; p. 74.
- Wellman, C. W., Toledo, Ohio, assignor to H. M. Wellman South Boardman, Mich. Turbine. No. 884,058; Apr. 7; Sp. p. 783; Dr. p. 164; Gaz. vol. 133; p. 1319.
- Wellman, H. M. (See Wellman, C. W., assignor.)
- Wellman, H. R., deceased; E. W. Willard, administrator, Joliet, Ill. Oscillating fan-motor. No. 888,435; May 19; Sp. p. 4220; Dr. p. 894; Gaz. vol. 134; p. 748.
- Wellman, H. R., Riverside, assignor to Western Electric Company, Chicago, Ill. Adding-machine attachment. No. 882,806; Mar. 24; Sp. p. 4601; Dr. pp. 980-1; Gaz. vol. 133; p. 852.
- Wellman, H. R., Chicago, Ill., assignor to General Incandescent Arc Light Company. Driving mechanism. No. 890,739; June 16; Sp. p. 3152; Dr. pp. 690-1; Gaz. vol. 134; p. 1619.
- Wellman-Seaver-Morgan Company. (See Douglas, P. H., assignor.)
- Wellman-Seaver-Morgan Company. (See Hughes, W. B., assignor.)
- Wellman-Seaver-Morgan Company. (See Replogle and Hale, assignors.)
- Wellman-Seaver-Morgan Company. (See Wright, W. Q., assignor.)
- Wellnitz, C. O., Milwaukee, Wis. Score-keeper. No. 899,819; Sept. 29; Sp. p. 5127; Dr. p. 1097; Gaz. vol. 136; p. 962.
- Wellnitz, C. O., Milwaukee, Wis. Roller-skate. No. 903,525; Nov. 10; Sp. p. 1979; Gaz. vol. 137; p. 356.
- Wells, A. R., Southington, Conn. Floor and ceiling plate. No. 889,997; June 9; Sp. p. 1603; Dr. p. 359; Gaz. vol. 134; p. 1343.
- Wells, A. S., *et al.* (See De Vilbiss, A., Jr., assignor.)
- Wells, B. O., Charleston, Ill., assignor to Sterling Electric Company, La Fayette, Ind. Plug-seat switch. No. 881,985; Mar. 17; Sp. p. 2999; Dr. p. 640; Gaz. vol. 133; p. 552.
- Wells, C. G., *et al.* (See Mariner, A. L., assignor.)
- Wells, C. W., Reepsville, N. C. Stove or furnace. No. 908,366; Dec. 29; Sp. p. 6486; Gaz. vol. 137; p. 2166.
- Wells, E. F., assignor of one-half to J. N. Lummus, Miami, Fla. Indicator-lock. No. 883,991; Apr. 7; Sp. p. 656; Dr. pp. 132-3; Gaz. vol. 133; p. 1296.
- Wells, E. J., and J. M. Fuller, Nashua, assignors to Wagner Manufacturing Company, Blackhawk county, Iowa. Hay-rack. No. 881,752; Mar. 10; Sp. p. 2506; Dr. pp. 539-40; Gaz. vol. 133; p. 443.
- Wells, E. V., Decatur, Miss. Extension-step. No. 894,088; July 21; Sp. p. 3566; Dr. p. 734; Gaz. vol. 135; p. 622.
- Wells, F. E. (See Wells, W. C., and F. E.)
- Wells, G. A., Jr., New York, N. Y. Apparatus for the regulation of electric systems. (Reissuc.) No. 12,793; May 12; Sp. p. 2859; Dr. p. 603; Gaz. vol. 134; p. 494.
- Wells, G. H., Neinda, Tex. Harrow. No. 883,436; Mar. 31; Sp. p. 5908; Dr. p. 1261; Gaz. vol. 133; p. 1090.
- Wells, G. T., Wichita, Kans. Jetty device. No. 891,890; June 30; Sp. p. 5509; Dr. p. 1190; Gaz. vol. 134; p. 2062.
- Wells, G. W., Southbridge, Mass. Eyeglass-hook. No. 901,573; Oct. 20; Sp. p. 3161; Dr. p. 644; Gaz. vol. 136; p. 1628.
- Wells, H. L., New Haven, Conn. Coffee-pot. No. 882,183; Mar. 17; Sp. p. 3404; Dr. pp. 723-4; Gaz. vol. 133; p. 616.
- Wells, H. M., Alexandria, Ind. Heating-boiler. No. 905,613; Dec. 1; Sp. p. 1006; Gaz. vol. 137; p. 1144.
- Wells, H. P., Amesbury, Mass. Egg and other beater. No. 905,036; Nov. 24; Sp. p. 5152; Gaz. vol. 137; p. 918.
- Wells, J. F., Pinkstaff, Ill. Gas cut-off. No. 904,662; Nov. 24; Sp. p. 4370; Gaz. vol. 137; p. 794.
- Wells, J. J., Coeur d'Alene, Idaho. Sliding-door fastener. No. 892,785; July 7; Sp. p. 774; Dr. p. 163; Gaz. vol. 135; p. 133.
- Wells, J. L. (See Wells, S. R., assignor.)
- Wells, L. A., Akron, Ohio. Attachment for rubber-stock machines. No. 900,628; Oct. 6; Sp. p. 1191; Dr. p. 244; Gaz. vol. 136; p. 1256.
- Wells, L. E., Little Hocking, Ohio. Ladder rung and socket. No. 890,319; June 9; Sp. p. 2291; Dr. p. 505; Gaz. vol. 134; p. 1451.

Alphabetical list of patentees—Continued.

- Wells, N. D., Copemish, Mich. Door-hanger. No. 889,076; May 26; Sp. p. 5524; Dr. p. 1174; Gaz. vol. 134; p. 988.
- Wells, R. S., assignor to American Harrow Company, Detroit, Mich. Disk harrow. No. 893,682; July 21; Sp. p. 2643; Dr. p. 554; Gaz. vol. 135; p. 486.
- Wells, R. S., assignor to E. Bement's Sons, Lansing, Mich. Sied-knee. No. 901,135; Oct. 13; Sp. p. 2223; Dr. p. 452; Gaz. vol. 136; p. 1446.
- Wells, S., Schaller, Iowa. Gas street-light extinguisher. No. 883,262; Mar. 31; Sp. p. 5529; Dr. p. 1179; Gaz. vol. 133; p. 1032.
- Wells, S. R., assignor to J. L. Wells, Greenfield, Ind. Window-guard. No. 879,342; Feb. 18; Sp. p. 2955; Dr. p. 616; Gaz. vol. 132; p. 1396.
- Wells, W. C. and F. E., Columbus, Ohio. Refining, fractionating, and reducing oils. No. 877,620; Jan. 28; Sp. p. 3979; Dr. p. 860; Gaz. vol. 132; p. 733.
- Wells, W. T. (See Simpson, R. D., assignor.)
- Welsbach Light Company. (See Little, T. J., Jr., assignor.)
- Welsh, A. W., and W. Sheck, Philadelphia, Pa. Rotary engine. No. 892,201; June 30; Sp. p. 6118; Dr. p. 1316; Gaz. vol. 134; p. 2163.
- Welsh, P. M., Longbeach, Cal. Toy or amusement device. No. 904,387; Nov. 17; Sp. p. 3786; Gaz. vol. 137; p. 675.
- Welsh, P. V. W., Brooklyn, N. Y. Temporary carrier and gravital feed for photographs. No. 906,758; Dec. 15; Sp. p. 3183; Gaz. vol. 137; p. 1570.
- Welsh, T. W., assignor of three-fourths to A. J. Harlow, Mitchell, D. H. Mahoney and I. Lyons, Vincennes, Ind. Railway-tie. No. 901,574; Oct. 20; Sp. p. 3162; Dr. p. 644; Gaz. vol. 136; p. 1628.
- Welsh, W., Kincardine, Ontario, Canada. Molding-machine. No. 888,133; May 19; Sp. p. 3625; Dr. p. 759-60; Gaz. vol. 134; p. 648.
- Welshans, J. L., Chicago, Ill. Vacuum heating system. No. 905,037; Nov. 24; Sp. p. 5153; Gaz. vol. 137; p. 919.
- Welshans, G. A., Montezuma, Ind. Storm-top for vehicles. No. 888,948; May 26; Sp. p. 5306; Dr. p. 1125; Gaz. vol. 134; p. 948.
- Welterlin, G. H., St. Joseph, Mo. Metal extension-slide for tables. No. 889,284; June 2; Sp. p. 181; Dr. p. 45; Gaz. vol. 134; p. 1087.
- Welton, C. E. (See Gunter and Welton.)
- Welton, M. H., Indianapolis, Ind. Stovepipe-anchor. No. 896,424; Aug. 18; Sp. p. 3276; Dr. p. 702; Gaz. vol. 135; p. 1479.
- Wendel, J. A., Milwaukee, Wis. Mineral fertilizer. No. 892,342; June 30; Sp. p. 6383; Gaz. vol. 134; p. 2210.
- Wendell, F. J., assignor to Roebeling Construction Company, New York, N. Y. Metal-slitting machine. No. 885,815; Apr. 28; Sp. p. 4426; Dr. pp. 928-9; Gaz. vol. 133; p. 1979.
- Wendell, F. J., assignor to Roebeling Construction Company, New York, N. Y. Method and machine for stretching slitted sheet metal. No. 900,902; Oct. 13; Sp. p. 1769; Dr. p. 359; Gaz. vol. 136; p. 1372.
- Wendler, F. A., Elizabeth, N. J., assignor to Hall Signal Company. Drawbridge circuit-controller. No. 903,927; Nov. 17; Sp. p. 2843; Gaz. vol. 137; p. 519.
- Wendling, G., Dayton, Ohio. Fish-plate. No. 897,945; Sept. 8; Sp. p. 1468; Dr. p. 312; Gaz. vol. 136; p. 261.
- Wendling Hoch Adding Machine Company. (See Hoch, A., assignor.)
- Wendt, A. A., South Euclid, Ohio. Take-up mechanism for looms. No. 889,564; June 2; Sp. p. 746; Dr. p. 171; Gaz. vol. 134; p. 1177.
- Wendt, A. A., South Euclid, Ohio. Stop mechanism for looms. No. 889,650; June 2; Sp. p. 894; Dr. pp. 205-6; Gaz. vol. 134; p. 1205.
- Wendtland, E. H. (See Hiegel, J. L., assignor.)
- Wenger, S. B., Goshen, Ind. Attachment for wagon-beds. No. 877,535; Jan. 28; Sp. p. 3796; Dr. p. 822; Gaz. vol. 132; p. 706.
- Wengs, J., Monroe, Mich. Cement-block machine. No. 881,513; Mar. 10; Sp. p. 2033; Dr. p. 444; Gaz. vol. 133; p. 369.
- Wenig, G. K., Chicago, Ill. Harness. No. 906,973; Dec. 15; Sp. p. 3576; Gaz. vol. 137; p. 1637.
- Wenig, G. K., Chicago, Ill. Harness. No. 906,974; Dec. 15; Sp. p. 3577; Gaz. vol. 137; p. 1637.
- Wenneman, J. H., *et al.* (See Latsch, C., assignor.)
- Wenner, J. C., Summit, Ill. Weeder. No. 896,494; Aug. 18; Sp. p. 3418; Dr. p. 736; Gaz. vol. 135; p. 1502.
- Wennerström, H., Norway, Mich. Locking and supporting means for suit or sample cases. No. 878,698; Feb. 11; Sp. p. 1713; Dr. p. 354; Gaz. vol. 132; p. 1148.
- Wenning, A., Los Angeles, Cal. Shoe-protector for skates. No. 889,348; June 2; Sp. p. 301; Dr. p. 71; Gaz. vol. 134; p. 1107.
- Wenning, A., and C. H. Gégauß, assignors to Elässische Maschinenbau-Gesellschaft, Mülhausen, Alsace, Germany. Combing-machine. No. 889,998; June 9; Sp. p. 1604; Dr. p. 359; Gaz. vol. 134; p. 1343.
- Wenning, E. (See Hartman, G., assignor.)
- Wenstrom, J., Brooklyn, N. Y., assignor to American Cupped Diamond Co. Jewel-cupping machine. No. 886,310; Apr. 28; Sp. p. 5409; Dr. p. 1135; Gaz. vol. 133; p. 2145.
- Wenrich, E. Z., Washington township, Monroe county, assignor of one-half to W. H. Corns, Baker township, Ind. Nut-lock washer. No. 883,505; Mar. 31; Sp. p. 6044; Dr. p. 1239; Gaz. vol. 133; p. 1113.
- Wensauer, M., assignor of two-thirds to H. Krause and G. Kleber, Sheboygan, Wis. Bed. No. 886,022; Apr. 28; Sp. p. 4866; Dr. p. 1024; Gaz. vol. 133; p. 2048.
- Wentworth Company. (See Wentworth, S. J., assignor.)
- Wentworth, E. H., Rapid City, S. D. Column. No. 902,631; Nov. 3; Sp. p. 199; Gaz. vol. 137; p. 33.
- Wentworth, F. B., Independence, Kans. Tank. No. 880,846; Mar. 3; Sp. p. 738; Dr. p. 156; Gaz. vol. 133; p. 125.
- Wentworth, H. A., Lynn, assignor to Huff Electrostatic Separator Company, Boston, Mass. Electric separator. No. 899,364; Sept. 22; Sp. p. 4190; Dr. p. 897; Gaz. vol. 136; p. 777.
- Wentworth, L. C., Webster, Mass. Adjustable chair. No. 882,983; Mar. 24; Sp. p. 4957; Dr. p. 1055; Gaz. vol. 133; p. 911.
- Wentworth, S. J., Newport, Ky., assignor to Wentworth Company, Cincinnati, Ohio. Shoe-ironer. No. 876,249; Jan. 7; Sp. p. 1089; Dr. p. 238; Gaz. vol. 132; p. 185.
- Wentworth, S. J., Newport, Ky., assignor to Wentworth Company, Cincinnati, Ohio. Heel-seat-forming machine. No. 896,873; Aug. 25; Sp. p. 4200; Dr. p. 900; Gaz. vol. 135; p. 1648.
- Wentz, J. L., Sapulpa, Okla. Hoisting-bracket. No. 903,421; Nov. 10; Sp. p. 1763; Gaz. vol. 137; p. 321.
- Wentz, J. M., Newberg, Oreg. Fastening device for shipping-covers. No. 896,495; Aug. 18; Sp. p. 3419; Dr. p. 736; Gaz. vol. 135; p. 1502.
- Wentz, W. F., New York, N. Y. Electric time-indicating device. No. 883,992; Apr. 7; Sp. p. 661; Dr. p. 103; Gaz. vol. 133; p. 1297.
- Wentzell, L. P., Greensburg, Pa. Invalid's table. No. 903,121; Nov. 3; Sp. p. 1173; Gaz. vol. 137; p. 191.
- Wenzel, H., assignor to H. Wenzel Tent & Duck Company, St. Louis, Mo. Tent. No. 893,406; July 14; Sp. p. 2031; Dr. p. 426; Gaz. vol. 135; p. 366.
- Wenzel, W., Chicago, Ill. Mail catching and delivery system. No. 880,259; Feb. 25; Sp. p. 4892; Dr. p. 1034; Gaz. vol. 132; p. 1730.
- Wenzel, W., Berlin, Germany. Machine-support. No. 904,585; Nov. 24; Sp. p. 4217; Gaz. vol. 137; p. 768.
- Wenzlick, G. J., Iowa City, Iowa. Buggy-top fastener. No. 891,451; June 23; Sp. p. 4589; Dr. p. 997; Gaz. vol. 134; p. 1885.
- Werkle, W. A., Peoria, Ill. Corn-grader. No. 887,557; May 12; Sp. p. 2507; Dr. p. 528; Gaz. vol. 134; p. 431.
- Werd, W. E., Deer Lodge, Mont. Tongs. No. 877,389; Jan. 21; Sp. p. 3492; Dr. p. 758; Gaz. vol. 132; p. 636.
- Werd, W. E., Deer Lodge, and H. Rodda and J. H. Viol, Butte, Mont.; said Werd assignor of all his right to said Viol. Spike-puller. No. 903,928; Nov. 17; Sp. p. 2845; Gaz. vol. 137; p. 519.
- Werle, K. A., Nazareth, Pa. Combined carriage robe, cushion, and attachment for holding toilet essentials. No. 886,907; May 5; Sp. p. 1144; Dr. p. 240; Gaz. vol. 134; p. 188.
- Wermerskirchen, A. W., Chicago, Ill. Display-book. No. 880,611; Mar. 3; Sp. p. 248; Dr. p. 51; Gaz. vol. 133; p. 44.
- Wernecke, H. A., Manitowoc, Wis. Heating and ventilating system. No. 893,961; July 21; Sp. p. 3300; Dr. p. 678; Gaz. vol. 135; p. 579.
- Werner, E., Philadelphia, Pa. Table-leg holder. No. 892,102; June 30; Sp. p. 5916; Dr. p. 1275; Gaz. vol. 134; p. 2129.
- Werner, E., assignor of one-half to A. S. Garman, Philadelphia, Pa. T-square. No. 885,411; Apr. 21; Sp. p. 3597; Dr. p. 754; Gaz. vol. 133; p. 1821.
- Werner, E., assignor to A. S. Garman, Philadelphia, Pa. T-square and drawing-board. No. 892,103; June 30; Sp. p. 5917; Dr. p. 1275; Gaz. vol. 134; p. 2130.
- Werner, E., Philadelphia, Pa., assignor to Werner Manufacturing Company. T-square. No. 885,706; Apr. 21; Sp. p. 4178; Dr. p. 875; Gaz. vol. 133; p. 1912.
- Werner, E., assignor of one-half to J. Freeman, Philadelphia, Pa. Holder for towels, napkins, &c. No. 887,558; May 12; Sp. p. 2509; Dr. p. 528; Gaz. vol. 134; p. 431.
- Werner, G. C., Beatrice, Nebr. Counterbalancing device for pumps. No. 890,477; June 9; Sp. p. 2573; Dr. p. 568; Gaz. vol. 134; p. 1500.
- Werner, J., White Sulphur Springs, Mont. Stove-cover lifter. No. 892,697; July 7; Sp. p. 591; Dr. p. 127; Gaz. vol. 135; p. 104.
- Werner, L. A., New York, N. Y., assignor to Water Overflow Preventive Co. Valve-locking mechanism. No. 880,056; Feb. 25; Sp. p. 4486; Dr. p. 942; Gaz. vol. 132; p. 1662.
- Werner Manufacturing Company. (See Werner, E., assignor.)
- Werner, T. O., Bangor, Pa. Friction-clutch. No. 898,946; Sept. 15; Sp. p. 3374; Dr. pp. 724-5; Gaz. vol. 136; p. 614.
- Wernicke, C. G. W., Minneapolis, Minn. Cylinder and concave tooth straightener. No. 875,971; Jan. 7; Sp. p. 558; Dr. pp. 119-20; Gaz. vol. 132; p. 97.
- Wernicke, C. G. W., Minneapolis, Minn. Safety tooth-catcher for threshing-machines. No. 882,035; Mar. 17; Sp. p. 3122; Dr. p. 663; Gaz. vol. 133; p. 568.
- Wernicke, P., assignor to Firm of Dr. Bernhardt Sohn G. E. Draenert, Eilenburg, Germany. Brick-molding apparatus. No. 884,440; Apr. 14; Sp. p. 1562; Dr. p. 336; Gaz. vol. 133; p. 1471.
- Wernli, F. P. (See Peterson and Wernli.)

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- Werrmann, C. A. (See Dauner and Werrmann.)
- Wert, C. S., Kendallville, Ind. Cement-block machine. No. 896,259; Aug. 18; Sp. p. 2928; Dr. p. 631; Gaz. vol. 135; p. 1426.
- Wertheimer, C. G., Earl's Court, London, England. Pen-nib. No. 903,249; Nov. 10; Sp. p. 1437; Gaz. vol. 137; p. 265.
- Wertheimer, I. (See Thornton and Wertheimer.)
- Wertheimer, G. de, *et al.* (See Lachapelle, S., assignor.)
- Wertz, A. H., Kansas City, Kans. Foot-power hammer. No. 884,786; Apr. 14; Sp. p. 2311; Dr. p. 486; Gaz. vol. 133; p. 1587.
- Wertz, T., St. Louis, Mo. Sash-fastener. No. 884,115; Apr. 7; Sp. p. 931; Dr. p. 196; Gaz. vol. 133; p. 1337.
- Wertzberger, H. J., Holyrood, Kans. Stamp-affixing machine. No. 879,804; Feb. 18; Sp. p. 3915; Dr. pp. 820-1; Gaz. vol. 132; p. 1546.
- Werwath, E., Linden, near Hanover, Germany. Air-injector. No. 903,646; Nov. 10; Sp. p. 2232; Gaz. vol. 137; p. 395.
- Wescott, C. O., Puyallup, Wash. Track-laying machine. No. 887,161; May 12; Sp. p. 1619; Dr. p. 344; Gaz. vol. 134; p. 298.
- Weser, J. A., New York, N. Y. Mechanical musical instrument. No. 877,027; Jan. 21; Sp. p. 2770; Dr. p. 599; Gaz. vol. 132; p. 518.
- Weser, J. A., New York, N. Y. Coin-controlled apparatus. No. 884,441; Apr. 14; Sp. p. 1562; Dr. p. 336; Gaz. vol. 133; p. 1472.
- Weser, J. A., New York, N. Y. Piano. No. 898,160; Sept. 8; Sp. p. 1891; Dr. p. 404; Gaz. vol. 136; p. 329.
- Weser, J. A., New York, N. Y. Automatic piano, &c. No. 907,206; Dec. 22; Sp. p. 4053; Gaz. vol. 137; p. 1749.
- Weser, J. A., New York, N. Y. Automatic piano, &c. No. 907,207; Dec. 22; Sp. p. 4057; Gaz. vol. 137; p. 1749.
- Wesley, G., St. Paul, Minn. Sign-flashing apparatus. No. 892,477; July 7; Sp. p. 167; Dr. pp. 35-6; Gaz. vol. 135; p. 33.
- Wesner, L. M., Seymour, and E. M. Dixon, Sparksville, Ind. Corn-popping machine. No. 878,918; Feb. 11; Sp. p. 2136; Dr. pp. 445-6; Gaz. vol. 132; p. 1218.
- Wessa, F. R., Norwood, Ohio. Treating hides. No. 883,124; Mar. 24; Sp. p. 5236; Dr. p. 1117; Gaz. vol. 133; p. 957.
- Wessel, A., assignor to Vertriebscentrale für Haushaltsartikel (Triebert & Wessel) G. M. B. H., Hanover, Germany. Vessel for cooking and like purposes. No. 875,972; Jan. 7; Sp. p. 559; Dr. p. 120; Gaz. vol. 132; p. 97.
- Wessel, K., St. Paul, Minn. Briquet-machine. No. 883,263; Mar. 31; Sp. p. 5531; Dr. pp. 1179-80; Gaz. vol. 133; p. 1035.
- Wessel, K., St. Paul, Minn., assignor to F. E. and O. T. Waite, Oskosh, Wis. Grass-twine machine. No. 896,783; Aug. 25; Sp. p. 4001; Dr. pp. 861-2; Gaz. vol. 135; p. 1618.
- Wessell, Nickel & Gross. (See Nickel, A., assignor.)
- Wessels, H. J., Paris, France. Apparatus for the sterilization of liquids. No. 906,975; Dec. 15; Sp. p. 3578; Gaz. vol. 137; p. 1637.
- Wessling, A. G., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Controlling apparatus. No. 903,348; Nov. 10; Sp. p. 1621; Gaz. vol. 137; p. 297.
- Wesson, J. H. (See Call, C. C., assignor.)
- Wesson, J. H. (See Neal, E. E., assignor.)
- Wesson, J. H., Springfield, Mass. Lock-nut device. No. 892,478; July 7; Sp. p. 169; Dr. p. 36; Gaz. vol. 135; p. 33.
- Wesson, J. H., Springfield, Mass. Nut-nut. No. 892,479; July 7; Sp. p. 170; Dr. p. 36; Gaz. vol. 135; p. 33.
- Wesson, J. H., assignor to Smith & Wesson, Springfield, Mass. Safety firing-pin. No. 897,806; Sept. 1; Sp. p. 1153; Dr. p. 246; Gaz. vol. 136; p. 183.
- West, A. J., Pittsburg, Pa., assignor to Westinghouse Machine Company. Gas-engine mixing-valve. No. 876,509; Jan. 14; Sp. p. 1669; Dr. pp. 362-3; Gaz. vol. 132; p. 304.
- West Brothers. (See Schmidt, J. B., assignor.)
- West, C., Poole, England. Smoker's appliance. No. 890,741; June 16; Sp. p. 3157; Dr. p. 692; Gaz. vol. 134; p. 1620.
- West, C. W., Pierre, S. D., assignor to W. T. Jones, Cedar Rapids, Iowa. Manure-spreader. No. 888,134; May 19; Sp. p. 3628; Dr. p. 760; Gaz. vol. 134; p. 648.
- West Coast Machinery Company. (See Bens, S. J., assignor.)
- West Disinfecting Company. (See Tillson, W., assignor.)
- West, G., Syracuse, N. Y. Garment. No. 877,686; Jan. 28; Sp. p. 4105; Dr. p. 888; Gaz. vol. 132; p. 754.
- West, H. H., Plymouth, Pa. Music-leaf turner. No. 882,036; Mar. 17; Sp. p. 3123; Dr. p. 664; Gaz. vol. 133; p. 568.
- West, H. H., Plymouth, Pa. Skirt-holder. No. 904,742; Nov. 24; Sp. p. 4541; Gaz. vol. 137; p. 820.
- West, J., Southport, England. Discharging-machine for gas-retorts. No. 898,537; Sept. 15; Sp. p. 2618; Dr. p. 559; Gaz. vol. 136; p. 482.
- West, J., Southport, England. Charging-machine for gas-retorts. No. 898,538; Sept. 15; Sp. p. 2621; Dr. pp. 560-2; Gaz. vol. 136; p. 482.
- West, J., Brooklyn, N. Y., assignor, by mesne assignments, to Samuel Cupples Envelope Company, St. Louis, Mo., and United States Envelope Company, Springfield, Mass. Envelop-machine. No. 893,042; July 14; Sp. p. 1332; Dr. pp. 281-3; Gaz. vol. 135; p. 248.
- West, J. B., Barton, Ark. Combination planter and fertilizer-distributor. No. 905,395; Dec. 1; Sp. p. 527; Gaz. vol. 137; p. 1074.
- West, J. L., *et al.* (See McMurry, E. H., assignor.)
- West, J. R., Peoria, Ill. Bar-counter. No. 898,536; Sept. 15; Sp. p. 2616; Dr. p. 558; Gaz. vol. 136; p. 481.
- West, J. T., Bowling Green, Ky. Track-rail fastener for railways. No. 893,962; July 21; Sp. p. 3302; Dr. p. 678; Gaz. vol. 135; p. 579.
- West, J. T., Rockingham, N. C. Block-signal system for railways. No. 900,456; Oct. 6; Sp. p. 823; Dr. pp. 168-9; Gaz. vol. 136; p. 1200.
- West, R. H., Cleveland, Ohio. Mold for casting chilled rolls. No. 891,309; June 23; Sp. p. 4297; Dr. pp. 939-40; Gaz. vol. 134; p. 1838.
- West, R. H., Cleveland, Ohio. Mold for casting chilled rolls. No. 894,925; Aug. 4; Sp. p. 284; Dr. pp. 60-1; Gaz. vol. 135; p. 943.
- West, R. H., Cleveland, Ohio. Mold for casting chilled rolls. No. 894,926; Aug. 4; Sp. p. 298; Dr. pp. 61-2; Gaz. vol. 135; p. 943.
- West, S. E., Pawtucket, assignor of one-half to G. P. Tyler, East Greenwich, R. I. Tobacco-pipe. No. 877,536; Jan. 28; Sp. p. 3798; Dr. p. 822; Gaz. vol. 132; p. 706.
- West, T., *et al.* (See Loudon, L. T., assignor.)
- West, T. C., Richmond, Va. Return-envelop. No. 886,449; May 5; Sp. p. 211; Dr. p. 45; Gaz. vol. 134; p. 40.
- West, T. E., Nicholasville, Ky. Gate. No. 888,373; May 19; Sp. p. 4075; Dr. p. 858-9; Gaz. vol. 134; p. 725.
- West, W. (See Earle and Senn, assignors.)
- West, W. N., Kansas City, Kans., assignor of one-half to L. Hector, Kansas City, Mo. Train-delivering and station-receiving mail-bag apparatus. No. 892,786; July 7; Sp. p. 775; Dr. pp. 163-4; Gaz. vol. 135; p. 133.
- Westbrook, E. H. and L., Liberty, Miss. Grain-elevating machine. No. 906,176; Dec. 8; Sp. p. 2085; Gaz. vol. 137; p. 1357.
- Westbrook, J. G., Ogdensburg, N. Y. Clutch-throwing mechanism. No. 897,330; Sept. 1; Sp. p. 155; Dr. p. 32; Gaz. vol. 136; p. 24.
- Westbrook, J. (See Westbrook, E. H. and L.)
- Westbrook, M. H., Port Huron, Mich. Crank-pin-turning machine. No. 884,966; Apr. 14; Sp. p. 2653; Dr. p. 564; Gaz. vol. 133; p. 1642.
- Westbrook, W. (See Collins and Westbrook.)
- Westbrook, W. B., Cliff, Ky. Metallic core for railway-ties. No. 899,089; Sept. 22; Sp. p. 3638; Dr. p. 780; Gaz. vol. 136; p. 688.
- Westbrook, W. B., Cliff, Ky. Concrete railway-tie. No. 901,403; Oct. 20; Sp. p. 2794; Dr. p. 569; Gaz. vol. 136; p. 1571.
- Westcott, V. S., Pawtucket, and F. W. Potter, Central Falls, R. I. Sliver-evening mechanism for drawing-frames. No. 884,442; Apr. 14; Sp. p. 1566; Dr. p. 337; Gaz. vol. 133; p. 1472.
- Westcott, V. S., and G. B. Allen, Pawtucket, R. I. Spinning and twisting spindle. No. 887,162; May 12; Sp. p. 1620; Dr. p. 344; Gaz. vol. 134; p. 293.
- Westcott, V. S., and G. B. Allen, Pawtucket, R. I. Spinning and twisting spindle. No. 892,480; July 7; Sp. p. 172; Dr. pp. 36-7; Gaz. vol. 135; p. 34.
- Westdeutsche Thomasphosphat-Werke, G. M. B. H. (See Pauling, H., assignor.)
- Westendard, H. O., Saugus, Mass., assignor to General Electric Company. Explosive-engine. No. 888,282; May 19; Sp. p. 3894; Dr. pp. 821-2; Gaz. vol. 134; p. 697.
- Westendard, H. O., Lynn, Mass., assignor to General Electric Company. Explosive-engine. No. 888,374; May 19; Sp. p. 4076; Dr. pp. 859-60; Gaz. vol. 134; p. 725.
- Westenhaver, M. (See Westenhaver, M. and M.)
- Westenhaver, M. and M., Sterling, Kans. Ditching apparatus. No. 885,306; Apr. 21; Sp. p. 3373; Dr. pp. 705-6; Gaz. vol. 133; p. 1786.
- Westerberg, A., assignor to Jacob Haish Company, De Kalb, Ill. Wire fence. No. 902,188; Oct. 27; Sp. p. 4431; Dr. p. 897; Gaz. vol. 136; p. 1856.
- Westerberg, H. W., New York, assignor to J. H. Watson, trustee, Brooklyn, N. Y. Package-opener. No. 893,043; July 14; Sp. p. 1339; Dr. p. 283; Gaz. vol. 135; p. 248.
- Westerdahl, E., Thief River Falls, Minn. Revolving multiple-fuse block. No. 887,559; May 12; Sp. p. 2510; Dr. p. 529; Gaz. vol. 134; p. 432.
- Westerfield, R. F., New York, N. Y. Extension-table. No. 907,926; Dec. 29; Sp. p. 5558; Gaz. vol. 137; p. 2017.
- Westerheide, W. (See Garpheide and Westerheide.)
- Westerlund, J., and C. Mard, Birmingham, Ala. Rotary engine. No. 903,036; Nov. 3; Sp. p. 1017; Gaz. vol. 137; p. 167.
- Westerman, T. J., Olalla, Wash. Gearing. No. 877,815; Jan. 28; Sp. p. 4319; Dr. p. 938; Gaz. vol. 132; p. 793.
- Western Car Seal Company. (See Pleins, R. C., assignor.)
- Western Clock Manufacturing Company. (See Kern, G., assignor.)
- Western Clock Manufacturing Company. (See Neureuther, A. H., assignor.)
- Western Conveyor and Harvester Company. (See Walton, A. W., assignor.)
- Western Electric Company. (See Adams, A. H., assignor.)
- Western Electric Company. (See Albright, H. F., assignor.)

Alphabetical list of patentees—Continued.

- Western Electric Company. (See Atwood, G. F., assignor.)
 Western Electric Company. (See Craft, E. B., assignor.)
 Western Electric Company. (See Crane, H. M., assignor.)
 Western Electric Company. (See Fell, J. M., assignor.)
 Western Electric Company. (See Hertz, H., assignor.)
 Western Electric Company. (See Launbranch, M. E., assignor.)
 Western Electric Company. (See Loveridge, F. H., assignor.)
 Western Electric Company. (See Luschka, A. R., assignor.)
 Western Electric Company. (See McBerty and Thompson, assignors.)
 Western Electric Company. (See McGrath, M. K., assignor.) (Reissue.)
 Western Electric Company. (See McLarn, E. S., assignor.)
 Western Electric Company. (See McQuarrie, J. L., assignor.)
 Western Electric Company. (See Roberts, J. G., assignor.)
 Western Electric Company. (See Smythe, E. H., assignor.)
 Western Electric Company. (See Warner and Wiler, assignors.)
 Western Electric Company. (See Wellman, H. R., assignor.)
 Western Implement Company. (See Neuens, M. W., assignor.)
 Western Rubber Company. (See Hyke, C. E., assignor.)
 Western Union Telegraph Company. (See Barclay, J. C., assignor.)
 Western Wheelbar Scraper Company. (See McKnight, T. R., assignor.)
 Westfahl, F. C., Milwaukee, Wis. Cam. No. 877,687; Jan. 28; Sp. p. 4106; Dr. p. 888; Gaz. vol. 132; p. 755.
 Westfall, D. C., *et al.* (See Westfall, T. M., assignor.)
 Westfall, E. E., *et al.* (See Westfall, T. M., assignor.)
 Westfall, T. M., Fostoria, assignor of two-thirds to D. C. Westfall, Findlay, Ohio, and E. E. Westfall, Mount Pleasant, Iowa. Measuring instrument. No. 890,205; June 9; Sp. p. 2024; Dr. p. 446; Gaz. vol. 134; p. 1413.
 Westfelt, A. U., Stockholm, Sweden. Counter for coins and the like. No. 903,929; Nov. 17; Sp. p. 2846; Gaz. vol. 137; p. 519.
 Westinghouse Air Brake Co. (See Mundy, W. O., assignor.) (Reissue.)
 Westinghouse Air Brake Company. (See Austin, W. M., assignor.)
 Westinghouse Air Brake Company. (See Clark, H. S., assignor.)
 Westinghouse Air Brake Company. (See Cloud, J. W., assignor.)
 Westinghouse Air Brake Company. (See Desoe, E. G., assignor.)
 Westinghouse Air Brake Company. (See Herr, H. T., assignor.)
 Westinghouse Air Brake Company. (See Kilpatrick, W. W., assignor.) (Reissue.)
 Westinghouse Air Brake Company. (See Normand, J. E., assignor.)
 Westinghouse Air Brake Company. (See Stone, H., assignor.)
 Westinghouse Air Brake Company. (See Synnestvedt, P., assignor.)
 Westinghouse Air Brake Company. (See Turner, W. V., assignor.)
 Westinghouse Air Brake Company. (See Turner and Blackall, assignors.)
 Westinghouse Air Brake Company. (See Turner and Custer, assignors.)
 Westinghouse Air Brake Company. (See Westinghouse, H. H., assignor.)
 Westinghouse Automatic Air & Steam Coupler Company. (See Adreon, R. E., assignor.)
 Westinghouse Automatic Air & Steam Coupler Company. (See Niederlander, N. F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Aalborg, C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Barr, J. M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Berentsen, H. G., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Conrad, F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Cooper, W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Cooper and Sandborgh, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Cox, F. W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Darlington, F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See De Kaiser, I., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Feicht, R. S., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Foot, W. H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Fortescue, C. L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Griffith, I. L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hallock, F. D., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Harris, F. W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hensley, W. T., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Ingram, R. B., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Jackson, R. P., assignor.)
 Westinghouse Electric & Manufacturing Company. (See James, H. D., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Johannesen, S. E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Jones, W. F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Kingsbury, A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Kunkel, F. R., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Lamme, B. G., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Lamme and Storer, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Leblanc, M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Lehr, E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Little, G. M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See MacGahan, P., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Mateer, J. E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Maxwell, G. R., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Mershon, R. D., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Neall, N. J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Packard, G. F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Peck, J. S., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Randall, K. C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Randall and Gibson, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Rosenblatt, G. B., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Schmidt, W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Siegfried, R., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Soule, H. C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Storer, N. W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Thomas, P. H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Thompson, W. H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Tingley, E. M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Tingley and Ray, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Van Valkenburg, H. L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Webster, J. E., assignor.)
 Westinghouse, G. (See Potter, H. N., assignor.)
 Westinghouse, G., Pittsburg, Pa. Automatic car-coupling. No. 887,296; May 12; Sp. p. 1957; Dr. p. 411; Gaz. vol. 134; p. 343.
 Westinghouse, G., Pittsburg, Pa. Internal-combustion engine. No. 906,177; Dec. 8; Sp. p. 2086; Gaz. vol. 137; p. 1357.
 Westinghouse, G., Pittsburg, Pa., assignor to Westinghouse Machine Company. Elastic-fluid turbine. No. 880,847; Mar. 3; Sp. p. 739; Dr. p. 157; Gaz. vol. 133; p. 125.
 Westinghouse, G., Pittsburg, Pa., assignor to Westinghouse Machine Company. Shaft-packing. No. 883,155; Mar. 24; Sp. p. 5293; Dr. p. 1129; Gaz. vol. 133; p. 967.
 Westinghouse, G., Pittsburg, Pa., assignor to Westinghouse Machine Company. Gas-producer. No. 890,951; June 16; Sp. p. 3587; Dr. p. 782; Gaz. vol. 134; p. 1689.
 Westinghouse, G., Pittsburg, Pa., assignor to Westinghouse Machine Company. Fluid-pressure turbine. No. 894,927; Aug. 4; Sp. p. 310; Dr. pp. 62-3; Gaz. vol. 135; p. 944.
 Westinghouse, H. H., New York, N. Y., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Pressure-governor for pumps. No. 879,709; Feb. 18; Sp. p. 3744; Dr. p. 785; Gaz. vol. 132; p. 1515.

Alphabetical list of patentees—Continued.

- Westinghouse Machine Company. (See Bole, W. A., assignor.)
 Westinghouse Machine Company. (See Gow, A. M., assignor.)
 Westinghouse Machine Company. (See Hodgkinson, F., assignor.)
 Westinghouse Machine Company. (See Hodgkinson, F., assignor.) (Reissue.)
 Westinghouse Machine Company. (See Kandó, C. de, assignor.)
 Westinghouse Machine Company. (See Lea, H. I., assignor.)
 Westinghouse Machine Company. (See Ruud and Regenbogen, assignors.)
 Westinghouse Machine Company. (See West, A. J., assignor.)
 Westinghouse Machine Company. (See Westinghouse, G., assignor.)
 Westlake, C. T. (See Howard, Pfleger, and Westlake.)
 Westlake, C. T., assignor to Davis Locomotive Wheel Company, St. Louis, Mo. Locomotive buffer-beam. No. 893,211; July 14; Sp. p. 1668; Dr. p. 352; Gaz. vol. 135; p. 301.
 Westlake, C. T., assignor to Transom Draft Gear Company, St. Louis, Mo. Draft-gear for railway-cars. No. 899,090; Sept. 22; Sp. p. 3639; Dr. p. 780; Gaz. vol. 136; p. 688.
 Westlake, C. T., and C. F. Frede, assignors to C. H. Howard, St. Louis, Mo. Dump-car-operating mechanism. No. 887,163; May 12; Sp. p. 1622; Dr. p. 345; Gaz. vol. 134; p. 298.
 Westlund, C. E., Pittsburg, Pa. Hat-guard. No. 903,037; Nov. 3; Sp. p. 1021; Gaz. vol. 137; p. 167.
 Westlund, G. O., Butte, Mont. Mortising-machine. No. 891,755; June 23; Sp. p. 5218; Dr. pp. 1129-30; Gaz. vol. 134; p. 1985.
 Westman, G. M., New York, N. Y. Reducing arsenical ores. No. 879,931; Feb. 25; Sp. p. 4242; Dr. pp. 886-7; Gaz. vol. 132; p. 1623.
 Westman, G. M., New York, N. Y. Reducing arsenical ores. No. 879,932; Feb. 25; Sp. p. 4244; Dr. p. 887; Gaz. vol. 132; p. 1623.
 Westmoreland, J. D., Huron, Miss. Lamp-burner. No. 891,648; June 23; Sp. p. 5021; Dr. p. 1081; Gaz. vol. 134; p. 1950.
 Westness, L. J., Milwaukee, Wis. Pneumatic tire. No. 905,257; Dec. 1; Sp. p. 262; Gaz. vol. 137; p. 1028.
 Weston, A. H., Roland Park, Md. Shoe-blackening stand. No. 905,258; Dec. 1; Sp. p. 267; Gaz. vol. 137; p. 1029.
 Weston, E., Newark, N. J. Electric relay. No. 881,642; Mar. 10; Sp. p. 2297; Dr. p. 497; Gaz. vol. 133; p. 413.
 Weston, E., Newark, N. J. Shunt or electrical resistance. No. 906,498; Dec. 8; Sp. p. 2682; Gaz. vol. 137; p. 1463.
 Weston, E. B., Dayton, Ohio. Display-rack. No. 886,023; Apr. 28; Sp. p. 4867; Dr. p. 1024; Gaz. vol. 133; p. 2048.
 Weston, E. B., Dayton, Ohio. Fruit-box. No. 895,218; Aug. 4; Sp. p. 888; Dr. p. 186; Gaz. vol. 135; p. 1043.
 Weston, E. B., Dayton, Ohio. Display-rack. No. 900,331; Oct. 6; Sp. p. 550; Dr. p. 114; Gaz. vol. 136; p. 1158.
 Weston, E. B., Dayton, Ohio. Display-rack attachment. No. 900,332; Oct. 6; Sp. p. 550; Dr. p. 114; Gaz. vol. 136; p. 1158.
 Weston, E. B., Dayton, Ohio. Display-rack. No. 906,976; Dec. 15; Sp. p. 3579; Gaz. vol. 137; p. 1638.
 Weston, E. M., Brakpan, Transvaal. Water-supplying device for rock-drilling machines. No. 899,582; Sept. 29; Sp. p. 4625; Dr. p. 993; Gaz. vol. 136; p. 884.
 Weston, F. H., Jr., and F. C. De Reamer, Schenectady, N. Y., assignors to General Electric Company. Inclosed fuse. No. 890,255; June 9; Sp. p. 2135; Dr. p. 468; Gaz. vol. 134; p. 1430.
 Weston, I. A. (See Seib and Weston.)
 Weston, M. T., New York, N. Y. Non-synchronous receiving-perforator. No. 896,784; Aug. 25; Sp. p. 4008; Dr. pp. 862-3; Gaz. vol. 135; p. 1618.
 Weston, M. T., Orange, N. J. Electrical printing apparatus. No. 904,743; Nov. 24; Sp. p. 4542; Gaz. vol. 137; p. 821.
 Weston, T. A. (See Clark, F. B., assignor.)
 Weston, T. B., Wenona, Ill. Store-cabinet. No. 899,195; Sept. 22; Sp. p. 3864; Dr. p. 826; Gaz. vol. 136; p. 723.
 Weston, W. S., Chicago, Ill. Casting apparatus. No. 891,891; June 30; Sp. p. 5510; Dr. pp. 1190-1; Gaz. vol. 134; p. 2062.
 Weston, W. S., Chicago, Ill. Casting apparatus. No. 900,807; Oct. 13; Sp. p. 1572; Dr. pp. 318-19; Gaz. vol. 136; p. 1342.
 Westover, H. J., New York, N. Y. Automatic draft-regulator. No. 881,272; Mar. 10; Sp. p. 1558; Dr. pp. 334-5; Gaz. vol. 133; p. 293.
 Westover, H. J., New York, N. Y. Automatic gas-analyzer. No. 881,986; Mar. 17; Sp. p. 3000; Dr. p. 641; Gaz. vol. 133; p. 553.
 Westover, H. J., New York, N. Y. Apparatus for analyzing gases. No. 899,774; Sept. 29; Sp. p. 5029; Dr. pp. 1078-9; Gaz. vol. 136; p. 947.
 Westphal, G., Leipzig-Kleinzschocher, Germany. Movable-picture device. No. 890,740; June 16; Sp. p. 3154; Dr. p. 691; Gaz. vol. 134; p. 1620.
 Westrich, A. L., Vantrent, Cal., assignor to Westrich Manufacturing and Supply Company. Rotary engine. No. 899,148; Sept. 22; Sp. p. 3766; Dr. p. 806; Gaz. vol. 136; p. 708.
 Westrich Manufacturing and Supply Company. (See Westrich, A. L., assignor.)
 Westrup, A. B., Habana, Cuba. Kitchen utensil. No. 899,365; Sept. 22; Sp. p. 4193; Dr. p. 897; Gaz. vol. 136; p. 777.
 Westwood, F., Short Creek, W. Va. Attachment for plate-doubling machines. No. 882,434; Mar. 17; Sp. p. 3856; Dr. p. 824; Gaz. vol. 133; p. 697.
 Wetherill, J. P., Jr. (See Wetherill, S. P., Jr. and J. P., Jr.)
 Wetherill, S. P. (See Wetherill, S. P., Jr., and J. P., Jr., assignors.)
 Wetherill, S. P., Jr., and J. P., Jr., assignors to S. P. Wetherill, Philadelphia, Pa. Fly-wheel. No. 882,037; Mar. 17; Sp. p. 3125; Dr. p. 664; Gaz. vol. 133; p. 569.
 Wetmore, A. S., New Castle, Pa. Bracket for window-shade rolls. No. 906,840; Dec. 15; Sp. p. 3326; Gaz. vol. 137; p. 1596.
 Wetmore, C. A., Watson, N. Y. Sleigh. No. 902,458; Oct. 27; Sp. p. 5011; Dr. p. 1013; Gaz. vol. 136; p. 1945.
 Wetmore, C. P. (See Felt and Wetmore.)
 Wetmore, C. P., assignor to Comptograph Company, Chicago, Ill. Adding-tabulator. No. 895,523; Aug. 11; Sp. p. 1499; Dr. pp. 317-18; Gaz. vol. 135; p. 1167.
 Wetmore, C. P., and F. A. Niemann, assignors to Comptograph Company, Chicago, Ill. Ribbon-controlling mechanism for adding-machines. No. 886,747; May 5; Sp. p. 849; Dr. p. 176; Gaz. vol. 134; p. 140.
 Wetmore, G. E., *et al.* (See Smith, R. A., assignor.)
 Wetmore, T. L., *et al.* (See Smith, R. A., assignor.)
 Wetmore, W. H., assignor to C. A. Lee, Oneida, N. Y. Mop-wringer. No. 877,149; Jan. 21; Sp. p. 3023; Dr. p. 654; Gaz. vol. 132; p. 558.
 Wetmore, W. H., assignor to C. A. Lee, Oneida, N. Y. Mop-wringer. No. 894,865; Aug. 4; Sp. p. 125; Dr. p. 28; Gaz. vol. 135; p. 921.
 Wetsell, C. I., Brooklyn, N. Y. Boot-black's cabinet. No. 895,705; Aug. 11; Sp. p. 1852; Dr. p. 393; Gaz. vol. 135; p. 1225.
 Wettel, R., and M. P. Freebey, Los Angeles, Cal. Combination latch and key lock. No. 900,629; Oct. 6; Sp. p. 1192; Dr. pp. 244-5; Gaz. vol. 136; p. 1256.
 Wettengel, A., Fulton, N. Y. Fruit-harvester. No. 907,208; Dec. 22; Sp. p. 4060; Gaz. vol. 137; p. 1749.
 Wettengel, G. A., St. Louis, Mo. Doubling-machine. No. 888,771; May 26; Sp. p. 4914; Dr. pp. 1047-9; Gaz. vol. 134; p. 889.
 Wettengel, G. A., St. Louis, Mo. Pipe-machine. No. 901,404; Oct. 20; Sp. p. 2794; Dr. pp. 569-70; Gaz. vol. 136; p. 1572.
 Wettengel, G. A., St. Louis, Mo. Smelting-furnace. No. 901,405; Oct. 20; Sp. p. 2797; Dr. p. 570; Gaz. vol. 136; p. 1572.
 Wetterauer, A. P., Los Angeles, Cal. Separator. No. 893,824; July 21; Sp. p. 3025; Dr. p. 619; Gaz. vol. 135; p. 534.
 Wettervik, A., Iron River, assignor to K. A. Lindgren, Stambaugh, Mich. Ice-road-making machine. No. 878,584; Feb. 11; Sp. p. 1494; Dr. pp. 303-4; Gaz. vol. 132; p. 1111.
 Wettig, H., assignor to Firm of J. A. Topf and Soehne, Erfurt, Germany. Malt-kiln. No. 876,756; Jan. 14; Sp. p. 2181; Dr. p. 479; Gaz. vol. 132; p. 387.
 Wettlaufer, G., Stratford, Ontario, Canada. Skirt-supporter. No. 883,264; Mar. 31; Sp. p. 5533; Dr. p. 1180; Gaz. vol. 133; p. 1035.
 Wetzel, E. V., New York, N. Y. Toy. No. 901,762; Oct. 20; Sp. p. 3569; Dr. p. 723; Gaz. vol. 136; p. 1690.
 Wetzel, F. C. (See Rosensteel and Wetzel.)
 Wetzell, S. (See Cossey, H. M., assignor.)
 Wetzke, W., New York, N. Y. Coupling-hook. No. 907,927; Dec. 29; Sp. p. 5563; Gaz. vol. 137; p. 2018.
 Wever, F., Stuttgart, Germany. Binding attachment for sewing-machines. No. 891,310; June 23; Sp. p. 4311; Dr. pp. 940-1; Gaz. vol. 134; p. 1838.
 Wever, F., Stuttgart, Germany. Sewing-machine. No. 902,353; Oct. 27; Sp. p. 4791; Dr. p. 967; Gaz. vol. 136; p. 1912.
 Wewerka, H., New York, N. Y. Tobacco-pipe. No. 893,044; July 14; Sp. p. 1341; Dr. p. 283; Gaz. vol. 135; p. 248.
 Wex, V., Munich, Germany. Curling or crimping tongs. No. 888,861; May 26; Sp. p. 5113; Dr. pp. 1089-90; Gaz. vol. 134; p. 917.
 Weyand, P. A., Maywood, Ill., assignor to Electric Service Supplies Company, Camden, N. J. Electric-motor-controller regulator. (Reissue.) No. 12,744; Jan. 28; Sp. p. 4494; Dr. p. 978; Gaz. vol. 132; p. 822.
 Weyant, T. R., New York, N. Y. Automatic weighing-machine. No. 895,524; Aug. 11; Sp. p. 1504; Dr. pp. 318-19; Gaz. vol. 135; p. 1167.
 Weyeneth, J. E., Danbury, Nebr. Fence-maker's combination-tool. No. 885,816; Apr. 28; Sp. p. 4428; Dr. p. 930; Gaz. vol. 133; p. 1979.
 Weyer, J. J., assignor to Bolte & Weyer Company, Chicago, Ill. Gasolene-lamp. No. 896,425; Aug. 18; Sp. p. 3271; Dr. p. 703; Gaz. vol. 135; p. 1479.
 Weyl, M. N., *et al.* (See Haile, L. T., assignor.)
 Weymouth, C. R. (See Atchison and Weymouth.)
 Whalen, T. J., Middlebrook, Va. Flying-machine. No. 882,435; Mar. 17; Sp. p. 3859; Dr. pp. 824-5; Gaz. vol. 133; p. 698.

Alphabetical list of patentees—Continued.

- Whaley, G. H., Maysville, assignor of one-half to G. H. Traxel, Mason county, Ky. Invalid appliance. No. 885,307; Apr. 21; Sp. p. 3377; Dr. p. 706; Gaz. vol. 133; p. 1787.
- Whaley, P. G., *et al.* (See Mayhew, J. D., assignor.)
- Wharton, S., near Xenia, Ohio. Device for securing pickets to wire fences. No. 894,301; July 28; Sp. p. 4040; Dr. p. 834; Gaz. vol. 135; p. 711.
- What Cheer Tool Co. (See Walker, A., assignor.)
- Whately, J. W. (See Morton, M. A., assignor.)
- Wheary, G. H. (See Hawley and Wheary.)
- Wheary, G. H., assignor to Hartmann Trunk Company, Racine, Wis. Trunk. No. 879,074; Feb. 11; Sp. p. 2417; Dr. pp. 506-7; Gaz. vol. 132; p. 1266.
- Wheary, G. H., assignor to Hartman Trunk Company, Racine, Wis. Locking-bolt. No. 904,466; Nov. 17; Sp. p. 3956; Gaz. vol. 137; p. 701.
- Wheatley, C. W. (See Welch and Wheatley.)
- Wheatley, T., Syracuse, N. Y. Air-valve for radiators. No. 903,250; Nov. 10; Sp. p. 1437; Gaz. vol. 137; p. 265.
- Wheaton, A. W., Newark, N. J. Faucet. No. 894,558; July 28; Sp. p. 4558; Dr. p. 944; Gaz. vol. 135; p. 796.
- Wheaton, C. N., Warren, R. I. Take-up hook for embroidering-machines. No. 885,817; Apr. 28; Sp. p. 4429; Dr. p. 930; Gaz. vol. 133; p. 1979.
- Wheelan, F. H. (See Jessup, R. W., assignor.)
- Wheeler, A. G., Jr., trustee. (See Compton, M. D., assignor.)
- Wheeler, A. M. (See Marks, C. E., assignor.)
- Wheeler, C., Rochester, N. Y., assignor, by mesne assignments, to Metal Specialties Manufacturing Company, Chicago, Ill. Electric-lighting device. No. 904,467; Nov. 17; Sp. p. 3958; Gaz. vol. 137; p. 701.
- Wheeler, C. B., assignor of one-half to H. S. Lemay, Oconto, Wis. Hair-pin. No. 887,365; May 12; Sp. p. 2100; Dr. p. 440; Gaz. vol. 134; p. 367.
- Wheeler, C. R., Greene, N. Y. Folding umbrella. No. 894,413; July 28; Sp. p. 4270; Dr. p. 881; Gaz. vol. 135; p. 748.
- Wheeler, C. V., and A. G. McKenna, Pittsburg, Pa., assignor to Firth Sterling Steel Company. Projectile. No. 893,963; July 21; Sp. p. 3303; Dr. p. 678; Gaz. vol. 135; p. 579.
- Wheeler Condenser and Engineering Co. (See Cramer, A. W. P., assignor.)
- Wheeler, D. Y., Denver, Colo. Lock-guard. No. 881,364; Mar. 10; Sp. p. 1740; Dr. p. 374; Gaz. vol. 133; p. 322.
- Wheeler, E. J., Bryson City, N. C. Combined auger-head and reamer. No. 879,075; Feb. 11; Sp. p. 2419; Dr. p. 507; Gaz. vol. 132; p. 1266.
- Wheeler, E. S., Detroit, Mich. Pressure-gage. No. 899,932; Sept. 29; Sp. p. 5367; Dr. p. 1145; Gaz. vol. 136; p. 997.
- Wheeler, F. B., St. Louis, Mo. Pin. No. 880,944; Mar. 3; Sp. p. 921; Dr. p. 199; Gaz. vol. 133; p. 156.
- Wheeler, F. T., assignor to Trumbull Electric Manufacturing Company, Plainville, Conn. Flush-receptacle. No. 882,225; Mar. 17; Sp. p. 3477; Dr. p. 739; Gaz. vol. 133; p. 628.
- Wheeler, G. A., Brooklyn, N. Y. Moving stairway. No. 888,949; May 26; Sp. p. 5308; Dr. pp. 1126-7; Gaz. vol. 134; p. 948.
- Wheeler, G. A., Brooklyn, N. Y. Moving stairway. No. 888,950; May 26; Sp. p. 5314; Dr. pp. 1127-8; Gaz. vol. 134; p. 948.
- Wheeler, G. A., Brooklyn, N. Y. Moving spiral stairway. No. 889,080; May 26; Sp. p. 5531; Dr. p. 1176; Gaz. vol. 134; p. 989.
- Wheeler, G. A., New York, N. Y. Moving stairway. No. 899,933; Sept. 29; Sp. p. 5369; Dr. pp. 1145-6; Gaz. vol. 136; p. 998.
- Wheeler, G. M., and H. Wilhelm, Brooklyn, N. Y. Battery. No. 880,703; Mar. 3; Sp. p. 416; Dr. p. 89; Gaz. vol. 133; p. 75.
- Wheeler, G. M., and H. Wilhelm, Brooklyn, N. Y. Dry battery. No. 894,866; Aug. 4; Sp. p. 127; Dr. p. 28; Gaz. vol. 135; p. 922.
- Wheeler, G. W., *et al.*, executors. (See Deane and Shields.)
- Wheeler, H. G., Canandaigua, N. Y. Tire-armor. No. 891,578; June 23; Sp. p. 4856; Dr. p. 1047; Gaz. vol. 134; p. 1925.
- Wheeler, H. H., Maywood, N. J., assignor to Concrete Frame Company, New York, N. Y. Reinforced concrete construction for buildings. No. 884,306; Apr. 7; Sp. p. 1282; Dr. p. 271; Gaz. vol. 133; p. 1397.
- Wheeler, H. O. (See Bean, V. E., assignor.)
- Wheeler, H. T., Washington, D. C. Firing mechanism for ordnance. No. 876,510; Jan. 14; Sp. p. 1671; Dr. pp. 363-5; Gaz. vol. 132; p. 305.
- Wheeler, H. T., Washington, D. C. Firing mechanism for ordnance. No. 879,225; Feb. 18; Sp. p. 2732; Dr. p. 569; Gaz. vol. 132; p. 1351.
- Wheeler, J. A., New York, N. Y. Fireproof door. No. 876,121; Jan. 7; Sp. p. 850; Dr. p. 182; Gaz. vol. 132; p. 145.
- Wheeler, J. K., Cerro Gordo, Ill. Gate. No. 880,945; Mar. 3; Sp. p. 922; Dr. p. 199; Gaz. vol. 133; p. 156.
- Wheeler, M. L. G., Seattle, Wash. Water-motor. No. 885,553; Apr. 21; Sp. p. 3882; Dr. p. 812; Gaz. vol. 133; p. 1864.
- Wheeler, M. M., Winnsboro, Tex. Potato-cutter. No. 880,057; Feb. 25; Sp. p. 4487; Dr. p. 943; Gaz. vol. 132; p. 1663.
- Wheeler, P., Chester, Pa., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Producing high-explosive compounds. No. 901,504; Oct. 20; Sp. p. 3027; Gaz. vol. 136; p. 1606.
- Wheeler, R. R. (See Sopp, J., assignor.)
- Wheeler, S., Castleton, N. Y. Head-rest for chairs. No. 886,102; Apr. 28; Sp. p. 5015; Dr. p. 1055; Gaz. vol. 133; p. 2073.
- Wheeler, S., Castleton, N. Y. Dispensing-cabinet. No. 907,928; Dec. 29; Sp. p. 5564; Gaz. vol. 137; p. 2018.
- Wheeler, S. S., Bernardsville, assignor to Crocker-Wheeler Company, Ampere, N. J. Boring-mill. No. 891,199; June 16; Sp. p. 4059; Dr. p. 890; Gaz. vol. 134; p. 1769.
- Wheeler, W. A., Workington, England. Blast-heating apparatus for furnaces. No. 891,452; June 23; Sp. p. 4590; Dr. p. 998; Gaz. vol. 134; p. 1885.
- Wheeler, W. H., assignor to Crown Cork and Seal Co., Baltimore, Md. Apparatus for the manufacture of bottle-closures. No. 887,883; May 19; Sp. p. 3154; Dr. p. 664-5; Gaz. vol. 134; p. 569.
- Wheeler, W. J., Duluth, Minn. Trap-gun. No. 898,023; Sept. 8; Sp. p. 1630; Dr. p. 347; Gaz. vol. 136; p. 286.
- Wheeler, W. R., Hartford, Conn. Fishing-rod trimming. No. 878,757; Feb. 11; Sp. p. 1829; Dr. p. 378; Gaz. vol. 132; p. 1167.
- Wheeler, W. F., Meriden, Conn. Rotary engine. No. 906,759; Dec. 15; Sp. p. 3184; Gaz. vol. 137; p. 1570.
- Wheelless, L. F., Vilonia, Ark. Harrow. No. 887,164; May 12; Sp. p. 1625; Dr. p. 345; Gaz. vol. 134; p. 299.
- Wheelhouse, S., Hebden Bridge, England. Railway-chair. No. 895,819; Aug. 11; Sp. p. 2096; Dr. p. 444; Gaz. vol. 135; p. 1261.
- Wheeling Stamping Company. (See Edwards, A. L., assignor.)
- Wheelock, C. M., Washington, D. C., assignor to Sanitary Hot-Water Radiator Co., Inc. Hot-water heater. No. 882,436; Mar. 17; Sp. p. 3861; Dr. p. 825; Gaz. vol. 133; p. 698.
- Wheelock, E. (See Curl and Wheelock.)
- Wheelock, E. O., Chicago, Ill. Nut-lock. No. 891,512; June 23; Sp. p. 4726; Dr. p. 1023; Gaz. vol. 134; p. 1905.
- Wheelock, E. W., Arlington, Mass. Bottle-closure. No. 898,615; Sept. 15; Sp. p. 2766; Dr. p. 591; Gaz. vol. 136; p. 507.
- Wheelock, J. H., and W. B. Pence, Hamilton, Wash. Saw gage and jointer. No. 886,450; May 5; Sp. p. 213; Dr. p. 45; Gaz. vol. 134; p. 40.
- Wheelock, L. A., Waseca, Minn. Railway-gate. No. 893,683; July 21; Sp. p. 2644; Dr. pp. 554-5; Gaz. vol. 135; p. 486.
- Wheelwright, C. S., Bristol, R. I. Carrying and pressing apparatus. No. 890,112; June 9; Sp. p. 1830; Dr. pp. 404-5; Gaz. vol. 134; p. 1383.
- Wheildon, W. M., assignor to Library Bureau, Boston, Mass. Loose-leaf binder. No. 893,120; July 14; Sp. p. 1485; Dr. p. 314; Gaz. vol. 135; p. 273.
- Wheildon, W. M., assignor to Library Bureau, Boston, Mass. Loose-leaf binder. No. 893,212; July 14; Sp. p. 1669; Dr. p. 352; Gaz. vol. 135; p. 301.
- Wheildon, W. M., Boston, assignor to A. Murphy, Sr., Quincy, Mass. Loose-leaf binder. No. 902,189; Oct. 27; Sp. p. 4432; Dr. p. 897; Gaz. vol. 136; p. 1857.
- Whelan, G. J., Minneapolis, Minn. Egg-washing machine. No. 892,104; June 30; Sp. p. 5918; Dr. p. 1276; Gaz. vol. 134; p. 2130.
- Whelan, H. W., Chicago, Ill. Grate. No. 885,898; Apr. 28; Sp. p. 4577; Dr. p. 960; Gaz. vol. 133; p. 2006.
- Whelan, H. W., Detroit, Mich. Friction-match. No. 900,245; Oct. 6; Sp. p. 354; Dr. p. 73; Gaz. vol. 136; p. 1130.
- Whelan, T. P. (See Swartz and Whelan.)
- Whetstone, J. M., Winterset, Iowa. Self-cleaning boiler. No. 895,922; Aug. 11; Sp. p. 2282; Dr. p. 488; Gaz. vol. 135; p. 1294.
- Whinery, D., Hoboken, assignor to Curtain Supply Company, Newark, N. J. Shade-fixture. No. 883,993; Apr. 7; Sp. p. 663; Dr. p. 133; Gaz. vol. 133; p. 1297.
- Whinery, D., Hoboken, assignor to Curtain Supply Company, Newark, N. J. Shade-fixture. No. 898,947; Sept. 15; Sp. p. 3378; Dr. p. 725; Gaz. vol. 136; p. 615.
- Whinnery, H. P., assignor of one-half to C. G. Coburn, Bluffton, Ohio. Tent. No. 892,698; July 7; Sp. p. 592; Dr. p. 128; Gaz. vol. 135; p. 104.
- Whipple, A. F. (See Scott and Whipple.)
- Whipple, C. A., and T. W. Finch, Elk River, Minn. Horse-collar fastener. No. 887,366; May 12; Sp. p. 2101; Dr. p. 440; Gaz. vol. 134; p. 368.
- Whipple, C. S., Boston, assignor of one-half to H. C. Nichols, Brookline, Mass. Sash-fastener. No. 885,116; Apr. 21; Sp. p. 2976; Dr. p. 628; Gaz. vol. 133; p. 1723.
- Whipple, D. W. (See Pellew and Whipple.)
- Whipple, L. B., assignor to American Wood Working Machinery Co., Rochester, N. Y. Sectional feed-roll for planing and other machines. No. 899,276; Sept. 22; Sp. p. 4040; Dr. p. 863; Gaz. vol. 136; p. 749.

Alphabetical list of patentees—Continued.

- Whipple, L. W., Lowell, Mass. Pleasure-giving machine. No. 878,168; Feb. 4; Sp. p. 575; Dr. pp. 117-18; Gaz. vol. 132; p. 939.
- Whitacre, J. J., Canton, Ohio. Concrete reinforcement. No. 891,023; June 16; Sp. p. 3735; Dr. p. 815; Gaz. vol. 134; p. 1714.
- Whitacre, J. J., Canton, Ohio. Floor construction. No. 899,775; Sept. 29; Sp. p. 5034; Dr. p. 1079; Gaz. vol. 136; p. 948.
- Whitacre, J. J., Canton, Ohio. Floor construction. No. 899,776; Sept. 29; Sp. p. 5037; Dr. p. 1079; Gaz. vol. 136; p. 948.
- Whitacre, J. J., Canton, Ohio. Concrete reinforcement. No. 906,479; Dec. 8; Sp. p. 2644; Gaz. vol. 137; p. 1456.
- Whitacre, W. E., *et al.* (See Gilman, J. L., assignor.)
- Whitaker, C. B., Ubea, Ind. Printing-press. No. 875,758; Jan. 7; Sp. p. 158; Dr. p. 35; Gaz. vol. 132; p. 30.
- Whitaker, C., Pasadena, Cal. Car-fender. No. 906,760; Dec. 15; Sp. p. 3187; Gaz. vol. 137; p. 1571.
- Whitaker, I. P., *et al.* (See Stafford, Whitaker, and Lopp.)
- Whitaker, I. P., Alvord, Tex. Mud-scraper. No. 904,388; Nov. 17; Sp. p. 3787; Gaz. vol. 137; p. 675.
- Whitaker, J. B., Augusta, Ga. Display-rack. No. 886,748; May 5; Sp. p. 850; Dr. p. 176; Gaz. vol. 134; p. 141.
- Whitaker, J. H., Norwich, Conn. Mail-bag delivering and catching device. No. 888,284; May 19; Sp. p. 3909; Dr. p. 823; Gaz. vol. 134; p. 698.
- Whitaker, R., New Brunswick, N. J., assignor to Brunswick Refrigerating Company. Gas-pump. No. 899,583; Sept. 29; Sp. p. 4627; Dr. p. 993; Gaz. vol. 136; p. 885.
- Whitaker, R., New Brunswick, N. J., assignor to Brunswick Refrigerating Company. Valve for gas-pumps. No. 899,584; Sept. 29; Sp. p. 4628; Dr. pp. 993-4; Gaz. vol. 136; p. 885.
- Whitaker, R., New Brunswick, N. J., assignor to Brunswick Refrigerating Company. Gas-pump. No. 899,585; Sept. 29; Sp. p. 4631; Dr. p. 994; Gaz. vol. 136; p. 885.
- Whitaker, S. T., assignor to Rural Automatic Mail Box Company, Columbus, Ga. Mail-box. No. 902,848; Nov. 3; Sp. p. 641; Gaz. vol. 137; p. 107.
- Whitbred, A. A., Altoona, Pa. Railway-tie. No. 898,709; Sept. 15; Sp. p. 2950; Dr. p. 632; Gaz. vol. 136; p. 537.
- Whitcher, F. W., assignor to Frank W. Whitcher Company, Boston, Mass. Lacing. No. 902,190; Oct. 27; Sp. p. 4433; Dr. p. 897; Gaz. vol. 136; p. 1857.
- Whitcomb, A. W., Worcester, Mass. Variable-speed driving mechanism. No. 885,207; Apr. 21; Sp. p. 3186; Dr. p. 666; Gaz. vol. 133; p. 1754.
- Whitcomb, A. W., Worcester, Mass. Planer-dog. No. 890,544; June 9; Sp. p. 2701; Dr. p. 596; Gaz. vol. 134; p. 1522.
- Whitcomb, A. W., assignor to Whitcomb-Blaisdell Machine Tool Company, Worcester, Mass. Power-transmitting device. No. 893,684; July 21; Sp. p. 2646; Dr. p. 555; Gaz. vol. 135; p. 486.
- Whitcomb-Blaisdell Machine Tool Company. (See Whitcomb, A. W., assignor.)
- Whitcomb, C. M., Portland, Oreg. Trolley. No. 888,677; May 26; Sp. p. 4735; Dr. p. 1006; Gaz. vol. 134; p. 860.
- Whitcomb, F. H., Marion, Ind. Pump. No. 887,892; May 19; Sp. p. 3173; Dr. p. 668; Gaz. vol. 134; p. 572.
- Whitcomb, F. N., Barre, Vt. Friction-clutch for hoisting-drums. No. 906,841; Dec. 15; Sp. p. 3327; Gaz. vol. 137; p. 1596.
- Whitcomb, L., Brookline, Mass. Shock-absorber. No. 875,759; Jan. 7; Sp. p. 160; Dr. p. 35; Gaz. vol. 132; p. 31.
- White, A. (See Maloy and White.)
- White, A., Raywood, Tex. Horse-releaser. No. 878,323; Feb. 4; Sp. p. 878; Dr. p. 175; Gaz. vol. 132; p. 990.
- White, A., Sheboygan Falls, Wis. Rotary motor. No. 893,045; July 14; Sp. p. 1341; Dr. pp. 283-4; Gaz. vol. 135; p. 248.
- White, A. A., assignor to National Trade Tapper Company, Bangor, Me. Circuit-closing device. No. 903,251; Nov. 10; Sp. p. 1443; Gaz. vol. 137; p. 266.
- White, A. E., Chicago, Ill., assignor to James Heekin Company, Cincinnati, Ohio. Coffee-urn. No. 894,868; Aug. 4; Sp. p. 130; Dr. p. 29; Gaz. vol. 135; p. 922.
- White, A. L., *et al.* (See Haines, L. A., assignor.)
- White, A. L., Cresco, Iowa. Electric switch. No. 883,366; Mar. 31; Sp. p. 5733; Dr. p. 1223; Gaz. vol. 133; p. 1065.
- White, A. P., Caldwell, N. J., assignor to General Fireproofing Company, Youngstown, Ohio. Reinforcing-frame and cementitious construction. No. 883,768; Apr. 7; Sp. p. 173; Dr. p. 31; Gaz. vol. 133; p. 1221.
- White, B., Conde, S. D. Detachable sleigh-runner. No. 886,563; May 5; Sp. p. 434; Dr. p. 93; Gaz. vol. 134; p. 80.
- White, B. P., Stroud, Okla. Cotton-chopper. No. 884,248; Apr. 7; Sp. p. 1194; Dr. p. 251; Gaz. vol. 133; p. 1380.
- White, C. B., Montclair, N. J., and T. White, New York, N. Y. Gas-burner. No. 894,477; July 28; Sp. p. 4394; Dr. p. 906; Gaz. vol. 135; p. 770.
- White, C. H. (See Barnes and White.)
- White, C. H., Sparrows Point, Md. Electric clock. No. 901,050; Oct. 13; Sp. p. 2066; Dr. p. 420; Gaz. vol. 136; p. 1420.
- White, C. P., assignor of two-thirds to E. A. Rives and A. G. Wilson, Greensboro, N. C. Track-sanding mechanism. No. 887,884; May 19; Sp. p. 3160; Dr. p. 665; Gaz. vol. 134; p. 569.
- White, C. P., assignor of one-half to E. A. Rives and A. G. Wilson, Greensboro, N. C. Combined pipe support and clamp. No. 892,105; June 30; Sp. p. 5920; Dr. p. 1276; Gaz. vol. 134; p. 2130.
- White Company. (See Riker, A. L., assignor.)
- White Company. (See White, R. H., assignor.)
- White, E. B. (See Huff, White, and Carter.)
- White, E. J., Guanajuato, Mexico. Filtering apparatus. No. 894,414; July 28; Dr. p. 881; Gaz. vol. 135; p. 749.
- White, E. L. (See Brennan, H., assignor.)
- White, E. L. (See Fleck, Haldane, and White.)
- White, E. P., Arlington, and C. L. Stover, Lowell, assignors to Glow Light Company, Boston, Mass. Lamp. No. 886,749; May 5; Sp. p. 851; Dr. p. 177; Gaz. vol. 134; p. 141.
- White, E. V., *et al.* (See Carson, C. W., assignor.)
- White, F. W., Chicago, Ill. Roller-skate. No. 901,136; Oct. 13; Sp. p. 2224; Dr. p. 453; Gaz. vol. 136; p. 1447.
- White, F., Euclid, Oreg. Ice-cutting machine. No. 879,933; Feb. 25; Sp. p. 4246; Dr. pp. 887-8; Gaz. vol. 132; p. 1624.
- White, F., New York, N. Y. Corner-bead. No. 902,632; Nov. 3; Sp. p. 200; Gaz. vol. 137; p. 34.
- White, F. C., assignor to Wilcox & White Company, Meriden, Conn. Autopneumatic music-playing piano. No. 886,908; May 5; Sp. p. 1145; Dr. p. 241; Gaz. vol. 134; p. 188.
- White, F. C., assignor to Wilcox & White Company, Meriden, Conn. Autopneumatic music-playing instrument. No. 888,559; May 26; Sp. p. 4474; Dr. p. 947; Gaz. vol. 134; p. 820.
- White, F. H., Philadelphia, Pa. Fastening for handles of suit-cases, &c. No. 882,601; Mar. 24; Sp. p. 4192; Dr. p. 889; Gaz. vol. 133; p. 785.
- White, F. J. (See Long, F. N., assignor.)
- White, F. R., *et al.* (See Fields, J. W., assignor.)
- White, F. R., Waterbury, Conn. Staple. No. 887,367; May 12; Sp. p. 2101; Dr. p. 441; Gaz. vol. 134; p. 368.
- White, F. R., assignor to Patent Button Company, Waterbury, Conn. Button-attaching machine. No. 908,178; Dec. 29; Sp. p. 6084; Gaz. vol. 137; p. 2102.
- White, G. A., Bristol, Conn. Automatic brake for knitting-machines. No. 879,506; Feb. 18; Sp. p. 3316; Dr. p. 693; Gaz. vol. 132; p. 1449.
- White, G. A., and W. F. Meyer, Wellsville, Mo. Mail-bag catching and delivering apparatus. No. 888,283; May 19; Sp. p. 3906; Dr. p. 822; Gaz. vol. 134; p. 698.
- White, G. M., Pittsburg, Pa. Bed-pan. No. 876,671; Jan. 14; Sp. p. 2034; Dr. p. 443; Gaz. vol. 132; p. 361.
- White, G. M., Portland, Oreg. Tool for cutting hinge-seats. No. 886,750; May 5; Sp. p. 852; Dr. p. 177; Gaz. vol. 134; p. 141.
- White, G. P., Wallace, Idaho. Concrete-mixer. No. 891,756; June 23; Sp. p. 5221; Dr. pp. 1130-1; Gaz. vol. 134; p. 1985.
- White, G. W., *et al.* (See Shumate, J. W., assignor.)
- White, G. W., Piedmont, Okla. Railway-tie. No. 897,043; Aug. 25; Sp. p. 4587; Dr. p. 978; Gaz. vol. 135; p. 1706.
- White, G. W. J., Ryde, New South Wales, Australia. Feed-water heater. No. 885,005; Apr. 14; Sp. p. 2720; Dr. pp. 576-7; Gaz. vol. 133; p. 1652.
- White, H., assignor, by mesne assignments, to A. F. McNeal, Marion, Ohio. Feed-water purifier. No. 885,554; Apr. 21; Sp. p. 3883; Dr. p. 812; Gaz. vol. 133; p. 1864.
- White, H. C., Canton, Ohio. Hay-elevating device. No. 877,688; Jan. 28; Sp. p. 4108; Dr. p. 889; Gaz. vol. 132; p. 755.
- White, H. E., Youngstown, Ohio. Apparatus for expanding slitted metal. No. 895,923; Aug. 11; Sp. p. 2283; Dr. p. 488; Gaz. vol. 135; p. 1294.
- White, H. E., Youngstown, Ohio. Reinforcing-frame. No. 896,963; Aug. 25; Sp. p. 4419; Dr. p. 944; Gaz. vol. 135; p. 1678.
- White, H. E., Schenectady, N. Y., assignor to General Electric Company. Motor control. No. 877,028; Jan. 21; Sp. p. 2772; Dr. pp. 599-600; Gaz. vol. 132; p. 518.
- White, H. E., Schenectady, N. Y., assignor to General Electric Company. Controlling-switch. No. 882,602; Mar. 24; Sp. p. 4194; Dr. p. 889; Gaz. vol. 133; p. 786.
- White, H. E. and H. K., Chicago, Ill. Making gutters. No. 902,031; Oct. 27; Sp. p. 4118; Dr. p. 834; Gaz. vol. 136; p. 1806.
- White, H. K. (See Leffler, C., assignor.)
- White, H. K. (See White, H. E. and H. K.)

Alphabetical list of patentees—Continued.

- White, H. L., and F. J. Rogers, Wheeling, W. Va. Lid for cooking utensils and similar receptacles. No. 890,387; June 9; Sp. p. 2414; Dr. p. 532; Gaz. vol. 134; p. 1472.
- White, H. P., Kalamazoo, Mich. Railway-tie. No. 891,311; June 23; Sp. p. 4313; Dr. p. 941; Gaz. vol. 134; p. 1839.
- White, H. R., Lowell, Mass., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 878,846; Feb. 11; Sp. p. 1992; Dr. p. 413; Gaz. vol. 132; p. 1195.
- White, I. N., assignor of one-half to J. F. White, Mount Morris, N. Y. Feeder for pea-threshing machines. No. 908,053; Dec. 29; Sp. p. 5823; Gaz. vol. 137; p. 2060.
- White, J., *et al.* (See Bryar, G., assignor.)
- White, J., Penn Yan, N. Y. Two-wheeled cart. No. 884,695; Apr. 14; Sp. p. 2107; Dr. p. 450; Gaz. vol. 133; p. 1555.
- White, J., Charlottetown, Prince Edward Island, assignor to H. R. McLellan, St. John, Canada. Lock. No. 903,647; Nov. 10; Sp. p. 2235; Gaz. 137; p. 395.
- White, J. A., Philadelphia, Pa. Window-screen. No. 898,539; Sept. 15; Sp. p. 2625; Dr. p. 562; Gaz. vol. 136; p. 482.
- White, J. B., *et al.* (See Stanley, G. E., assignor.)
- White, J. B., Buffalo, N. Y. Horseshoe-pad. No. 892,699; July 7; Sp. p. 594; Dr. p. 123; Gaz. vol. 135; p. 104.
- White, J. B., Buffalo, N. Y. Horseshoe-pad. No. 903,422; Nov. 10; Sp. p. 1764; Gaz. vol. 137; p. 321.
- White, J. C., Madison, Wis. Gasket. No. 906,761; Dec. 15; Sp. p. 3190; Gaz. vol. 137; p. 1571.
- White, J. C., Chelsea, assignor to White-Merrill Company, Boston, Mass. Firearm. No. 888,560; May 26; Sp. p. 4476; Dr. pp. 948-9; Gaz. vol. 134; p. 820.
- White, J. F. (See White, I. N., assignor.)
- White, J. F., Mount Morris, N. Y. Corn-husking machine. No. 899,777; Sept. 29; Sp. p. 5040; Dr. p. 1080; Gaz. vol. 136; p. 949.
- White, J. F., Bloomington, Ill. Culvert. No. 904,586; Nov. 24; Sp. p. 4218; Gaz. vol. 137; p. 768.
- White, J. H. (See Gregory, R. K., assignor.)
- White, J. I. (See Brandenburg, R. J., assignor.)
- White, J. J., Boulder, Mont. Bottle-stopper. No. 892,343; June 30; Sp. p. 6384; Dr. p. 1377; Gaz. vol. 134; p. 2210.
- White, J. M., Selma, Oreg. Saw for removing stumps. No. 901,505; Oct. 20; Sp. p. 3028; Dr. pp. 618-19; Gaz. vol. 136; p. 1606.
- White, J. P., Fremont, Ohio. Filter. No. 904,389; Nov. 17; Sp. p. 3788; Gaz. vol. 137; p. 675.
- White, J. W., Spokane, Wash. Concrete chimney-block. No. 891,312; June 23; Sp. p. 4315; Dr. p. 941; Gaz. vol. 134; p. 1839.
- White, J. W., Spokane, Wash. Concrete block. No. 891,313; June 23; Sp. p. 4316; Dr. p. 942; Gaz. vol. 134; p. 1839.
- White, K. H., assignor of two-thirds to D. M. Farrell and A. L. Shepardon, Oswego, N. Y. Knitting-machine. No. 893,407; July 14; Sp. p. 2033; Dr. p. 427; Gaz. vol. 135; p. 366.
- White, L., Pollockville, N. C. Rail-joint. No. 901,857; Oct. 20; Sp. p. 3744; Dr. p. 761; Gaz. vol. 136; p. 1719.
- White, L. H., Chicago, Ill. Window-curtain appliance. No. 879,226; Feb. 18; Sp. p. 2734; Dr. p. 570; Gaz. vol. 132; p. 1358.
- White, L. Q., Brockton, Mass. Shoe. No. 898,710; Sept. 15; Sp. p. 2952; Dr. p. 632; Gaz. vol. 136; p. 537.
- White Lily Manufacturing Company. (See Plagman, A., assignor.)
- White Lily Manufacturing Company. (See Schmidt, B. L., assignor.)
- White Lily Washer Company. (See Stoltenberg, H., assignor.)
- White Lily Washer Company. (See Victor, A. F., assignor.)
- White, M., Portsmouth, Ohio. Trestle. No. 887,560; May 12; Sp. p. 2511; Dr. p. 529; Gaz. vol. 134; p. 432.
- White-Merrill Company. (See White, J. C., assignor.)
- White, N., Detroit, Mich. Drawing-board and drafting device. No. 883,994; Apr. 7; Sp. p. 664; Dr. pp. 133-4; Gaz. vol. 133; p. 1298.
- White, O. O., Garland, Pa. Thermostatic boiler-feed regulator. No. 897,244; Aug. 25; Sp. p. 5068; Dr. p. 1059; Gaz. vol. 135; p. 1774.
- White, R. (See Withee and White.)
- White, R. C., Los Angeles, Cal. Dirigible air-ship. No. 906,842; Dec. 15; Sp. p. 3329; Gaz. vol. 137; p. 1596.
- White, R. H., assignor to White Sewing Machine Company, Cleveland, Ohio. Hydrocarbon-burner. No. 886,103; Apr. 28; Sp. p. 5018; Dr. p. 1055; Gaz. vol. 133; p. 2073.
- White, R. H., assignor, by mesne assignments, to White Company, Cleveland, Ohio. Brake mechanism. No. 895,525; Aug. 11; Sp. p. 1509; Dr. p. 319; Gaz. vol. 135; p. 1168.
- White, S. A. (See Cole, C. E., assignor.)
- White Sewing Machine Company. (See White, R. H., assignor.)
- White, T. (See White, C. B. and T.)
- White, V. A., Aliceville, Ala. Means for connecting parallel railway-rails. No. 899,366; Sept. 22; Sp. p. 4194; Dr. p. 898; Gaz. vol. 136; p. 778.
- White, W., North Fitzroy, Victoria, Australia. Interchangeable heel and means for attaching the same to boots and shoes. No. 895,924; Aug. 11; Sp. p. 2286; Dr. p. 488; Gaz. vol. 135; p. 1295.
- White, W., assignor of one-half to S. P. Hubbard, Cleveland, Ohio. Reclining-chair. No. 875,760; Jan. 7; Sp. p. 161; Dr. p. 35; Gaz. vol. 132; p. 31.
- White, W., assignor to National Boiler Washing Company, Chicago, Ill. System of washing and filling locomotive-boilers. (Reissue.) No. 12,898; Dec. 15; Sp. p. 3847; Gaz. vol. 137; p. 1684.
- White, W. B. (See Bean, R., assignor.)
- White, W. B. (See Krueger, G., assignor.)
- White, W. E., and L. K. Hof, Los Angeles, Cal. Whistle. No. 906,594; Dec. 15; Sp. p. 2858; Gaz. vol. 137; p. 1518.
- White, W. I., Greenwood, Ind. Can-cap-placing machine. No. 882,603; Mar. 24; Sp. p. 4196; Dr. pp. 889-90; Gaz. vol. 133; p. 786.
- White, W. M. (See Glocker and White.)
- White, W. T., *et al.* (See Bryar, G., assignor.)
- Whitehead, A. E., assignor to Farrand Organ Company, Detroit, Mich. Mechanical musical instrument. No. 897,331; Sept. 1; Sp. p. 157; Dr. pp. 32-3; Gaz. vol. 136; p. 24.
- Whitehead & Company. (See Jones, A. E., assignor.)
- Whitehead, B. S., assignor to Whitehead & Hoag Company, Newark, N. J. Paper-weight. No. 877,150; Jan. 21; Sp. p. 3024; Dr. p. 654; Gaz. vol. 132; p. 559.
- Whitehead, E. E., Goshen, Ind. Wire-fence stretcher. No. 888,561; May 26; Sp. p. 4482; Dr. p. 949; Gaz. vol. 134; p. 821.
- Whitehead, G., Bridgeport, assignor of one-half to S. Y. Beach, Stratford, Conn. Aeroplane. No. 881,837; Mar. 10; Sp. p. 2667; Dr. p. 571; Gaz. vol. 133; p. 474.
- Whitehead & Hoag Company. (See Conklin, E. D., assignor.)
- Whitehead & Hoag Company. (See Henderson, W. D., assignor.)
- Whitehead & Hoag Company. (See Hornich, W., Jr., assignor.)
- Whitehead & Hoag Company. (See Whitehead, B. S., assignor.)
- Whitehead, J. (See De Vere and Whitehead.)
- Whitehead, J. B., Salt Lake City, Utah, assignor to himself, and T. M. Farrell, Pocatello, Idaho. Shipping-can. No. 877,816; Jan. 28; Sp. p. 4321; Dr. p. 938; Gaz. vol. 132; p. 794.
- Whitehill, D. B., North Clarendon, Pa. Drive head or cap for well-pipes or casings. No. 900,140; Oct. 6; Sp. p. 142; Dr. p. 29; Gaz. vol. 136; p. 1092.
- Whitehorn, C. A., Lawton, Iowa. Indicator for baling-presses. No. 878,169; Feb. 4; Sp. p. 578; Dr. p. 118; Gaz. vol. 132; p. 939.
- Whitehorn, T., Coburg, Victoria, Australia. Automatic weighing-machine. No. 882,437; Mar. 17; Sp. p. 3862; Dr. p. 825; Gaz. vol. 133; p. 698.
- Whitehorne Organ Action Company. (See Whitehorne, W. R., assignor.)
- Whitehorne, W. R., Bethlehem, Pa. Electric organ. No. 895,925; Aug. 11; Sp. p. 2288; Dr. p. 489; Gaz. vol. 135; p. 1295.
- Whitehorne, W. R., Brooklyn, N. Y., assignor to Whitehorne Organ Action Company, Jersey City, N. J. Electric organ-action. No. 897,692; Sept. 1; Sp. p. 913; Dr. p. 195; Gaz. vol. 136; p. 146.
- Whitehorne, W. R., Brooklyn, N. Y., assignor to E. C. Clements and M. B. Jacobs, trustees, Philadelphia, Pa. Electric heater. No. 878,919; Feb. 11; Sp. p. 2137; Dr. p. 446; Gaz. vol. 132; p. 1218.
- Whitehouse, E. A., Newark, N. J. Excrement-sack for domestic animals. No. 881,753; Mar. 10; Sp. p. 2507; Dr. p. 540; Gaz. vol. 133; p. 447.
- Whitehouse, R. A., Birmingham, England. Combined corset and corselet. No. 883,125; Mar. 24; Sp. p. 5237; Dr. p. 1117; Gaz. vol. 133; p. 957.
- Whitehurst, D., assignor of one-half to A. J. Ean, New York, N. Y. Mop-wringer. No. 877,621; Jan. 28; Sp. p. 3982; Dr. p. 880; Gaz. vol. 132; p. 733.
- Whitehurst, W. I., assignor to Keston Manufacturing Company of Baltimore City, Baltimore, Md. Noodle-cutter. No. 900,808; Oct. 13; Sp. p. 1582; Dr. p. 319; Gaz. vol. 136; p. 1343.
- Whitehurst, W. J. (See Coffee, B. M., assignor.)
- Whiteman, G. W., Philadelphia, Pa. Rail-brace and fastening means therefor. No. 896,049; Aug. 11; Sp. p. 2539; Dr. p. 550; Gaz. vol. 135; p. 1336.

Alphabetical list of patentees—Continued.

- Whitesell, F. N., assignor to Sheffield Car Company, Three Rivers, Mich. Stand-pipe. No. 900,141; Oct. 6; Sp. p. 144; Dr. p. 30; Gaz. vol. 136; p. 1096.
- Whitesell, W. H. (See Dougherty, M. F., assignor.)
- Whiteside, D. I., San Francisco, assignor to G. Majors, trustee, Alameda, Cal. Interlocking mechanism for voting-machines. No. 900,630; Oct. 6; Sp. p. 1194; Dr. pp. 245-6; Gaz. vol. 136; p. 1256.
- Whiteside, L., Lattimore, N. C. Vehicle-brake. No. 905,396; Dec. 1; Sp. p. 530; Gaz. vol. 137; p. 1075.
- Whiteway, W. T., Cambridge, Mass. Respirator. No. 893,213; July 14; Sp. p. 1670; Dr. p. 353; Gaz. vol. 135; p. 302.
- Whitfield, C., Kettering, England. Gas-producer plant. No. 883,845; Apr. 7; Sp. p. 355; Dr. p. 68; Gaz. vol. 133; p. 1247.
- Whitfield, D. E., Malvern, Iowa. Loading device. No. 908,054; Dec. 29; Sp. p. 5825; Gaz. vol. 137; p. 2060.
- Whitford, J. C. (See Holley and Whitford.)
- Whitham, C. W., Elk Grove, and T. S. Baldwin, Benton township, Lafayette county, Wis.; said Whitham assignor to said Baldwin. Ore-discharge for jig-tanks. No. 906,480; Dec. 8; Sp. p. 2645; Gaz. vol. 137; p. 1456.
- Whitin Machine Works. (See Hathaway, D. B., assignor.)
- Whitin Machine Works. (See Owen, O. L., assignor.)
- Whitin Machine Works. (See Taft, C. A., assignor.)
- Whiting, A. E., Weston, W. Va. Lathe attachment. No. 900,457; Oct. 6; Sp. p. 830; Dr. p. 169; Gaz. vol. 136; p. 1200.
- Whiting, C. A., Waupun, Wis. Vaneless windmill. No. 904,166; Nov. 17; Sp. p. 3325; Gaz. vol. 137; p. 600.
- Whiting, C. L., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel. No. 891,513; June 23; Sp. p. 4727; Dr. p. 1023; Gaz. vol. 134; p. 1905.
- Whiting, H. E., assignor of one-half to O. J. Garlock, Palmyra, N. Y. Air-purifying device for automobiles. No. 903,122; Nov. 3; Sp. p. 1174; Gaz. vol. 137; p. 191.
- Whiting, J., Niagara Falls, N. Y. Electrolyzing salts. No. 877,537; Jan. 28; Sp. p. 3799; Dr. pp. 822-3; Gaz. vol. 132; p. 706.
- Whiting, L. D., Milldale, Conn. Lantern attachment. No. 876,033; Jan. 7; Sp. p. 672; Dr. p. 144; Gaz. vol. 132; p. 116.
- Whiting, W. J., Handsworth, near Birmingham, England. Automatic firearm. No. 896,496; Aug. 18; Sp. p. 3421; Dr. pp. 736-7; Gaz. vol. 135; p. 1503.
- Whitley, A. A., Whitefield, Bury, England. Clip for stentering-machines. No. 880,946; Mar. 3; Sp. p. 923; Dr. pp. 199-200; Gaz. vol. 133; p. 156.
- Whitley, A. A., Whitefield, Bury, England. Clip for cloth-stentering machines. No. 903,144; Nov. 3; Sp. p. 1213; Gaz. vol. 137; p. 199.
- Whitlock Coil Pipe Company. (See Brinkman, L. H., assignor.)
- Whitlock Coil Pipe Company. (See Bush, P. M., assignor.)
- Whitlock Coil Pipe Company. (See Sanford, F. C., assignor.)
- Whitlock, S., Shelton, Conn. Bed-movement for printing-presses. No. 895,820; Aug. 11; Sp. p. 2096; Dr. p. 445; Gaz. vol. 135; p. 1262.
- Whitlow, I. G., Niles, Ohio. Stool. No. 904,034; Nov. 17; Sp. p. 3043; Gaz. vol. 137; p. 554.
- Whitman & Barnes Manufacturing Company. (See Rich, G. R., assignor.)
- Whitman, E. C., Denver, Colo. Safety blasting-barrel. No. 908,055; Dec. 29; Sp. p. 5827; Gaz. vol. 137; p. 2060.
- Whitmer, J. C., Lordsburg, Cal. Pump driving mechanism. No. 877,276; Jan. 21; Sp. p. 3284; Dr. p. 710; Gaz. vol. 132; p. 601.
- Whitmore, C. J., Jewett, Ohio, assignor of one-half to D. L. Barrick, Wheeling, W. Va. Wrench. No. 905,776; Dec. 1; Sp. p. 1311; Gaz. vol. 137; p. 1198.
- Whitmore, E. W., Worcester, Mass. Floor-dressing machine. No. 892,634; July 7; Sp. p. 473; Dr. p. 100; Gaz. vol. 135; p. 84.
- Whitmore, F. B., Alta, Utah. Bucket-loader for wire-rope tramways. No. 885,117; Apr. 21; Sp. p. 2978; Dr. p. 628; Gaz. vol. 133; p. 1723.
- Whitmore, W. V., *et al.*, executors. (See Shone and Rauber.)
- Whitner, H. K. (See Moonert and Whitner.)
- Whitney, A. E. (See Whitney, R. F., assignor.)
- Whitney, A. W. (See Rutherford, J. H., assignor.)
- Whitney, C. B., Hyde Park, Mass., assignor to Simplex Faucet Company. Faucet. No. 902,786; Nov. 3; Sp. p. 485; Gaz. vol. 137; p. 85.
- Whitney Duplicating Check Company. (See Whitney, L. G., assignor.)
- Whitney Electrical Instrument Company. (See Hoyt, A. H., assignor.)
- Whitney Electrical Instrument Company. (See Roller, F. W., assignor.)
- Whitney, G. E., East Boston, Mass., assignor, by mesne assignments, to Stanley Motor Carriage Company. Liquid-gage. No. 890,742; June 16; Sp. p. 3158; Dr. p. 692; Gaz. vol. 134; p. 1620.
- Whitney, G. E., Boston, Mass., assignor, by mesne assignments, to Stanley Motor Carriage Company. Fuel-burning apparatus for motor-vehicles. No. 892,569; July 7; Sp. p. 331; Dr. pp. 73-4; Gaz. vol. 135; p. 63.
- Whitney, G. E., Boston, Mass., assignor, by mesne assignments, to Stanley Motor Carriage Company. Safety device and indicator for steam-boilers. No. 907,209; Dec. 22; Sp. p. 4062; Gaz. vol. 137; p. 1750.
- Whitney, G. F. (See Maslin, J., assignor.)
- Whitney, G. F., South Orange, N. J., assignor to National Water Main Cleaning Company, New York, N. Y. Cleaning pipe-lines. No. 906,595; Dec. 15; Sp. p. 2859; Gaz. vol. 137; p. 1518.
- Whitney, G. W., Leominster, Mass. Hair-pin. No. 887,885; May 19; Sp. p. 3162; Dr. p. 665; Gaz. vol. 134; p. 569.
- Whitney, L. E., Carthage, Mo. Support for lawn-hose. No. 889,419; June 2; Sp. p. 458; Dr. p. 109; Gaz. vol. 134; p. 1132.
- Whitney, L. G., assignor to Whitney Duplicating Check Company, New York, N. Y. Manifold sales-book. No. 897,245; Aug. 25; Sp. p. 5071; Dr. pp. 1059-60; Gaz. vol. 135; p. 1774.
- Whitney Manufacturing Company. (See Belcher and Butler, assignors.)
- Whitney Manufacturing Company. (See Butler and Belcher, assignors.)
- Whitney Manufacturing Company. (See Conklin, E. J., assignor.)
- Whitney Manufacturing Company, W. A. (See Whitney, W. A., assignor.)
- Whitney, P. A., assignor to Peek, Stow & Wilcox Company, Southington, Conn. Chuck. No. 902,191; Oct. 27; Sp. p. 4434; Dr. p. 897; Gaz. vol. 136; p. 1857.
- Whitney, P. S., and R. R. Myers, Fairbanks, Alaska. Dental appliance. No. 908,056; Dec. 29; Sp. p. 5829; Gaz. vol. 137; p. 2060.
- Whitney, R. F., assignor of one-half to A. E. Whitney, Winchester, Mass. Hide-working machine. No. 900,334; Oct. 6; Sp. p. 553; Dr. pp. 115-16; Gaz. vol. 136; p. 1159.
- Whitney, W. A., assignor to W. A. Whitney Manufacturing Company, Rockford, Ill. Punch. No. 898,397; Sept. 8; Sp. p. 2322; Dr. p. 494; Gaz. vol. 136; p. 404.
- Whitney, W. D., Holley, N. Y. Washing-machine. No. 900,333; Oct. 6; Sp. p. 552; Dr. pp. 114-15; Gaz. vol. 136; p. 1159.
- Whitney, W. D., Holley, N. Y. Washing-machine. No. 900,809; Oct. 13; Sp. p. 1583; Dr. p. 320; Gaz. vol. 136; p. 1343.
- Whitney, W. D., Holley, N. Y. Washing-machine. No. 908,057; Dec. 29; Sp. p. 5830; Gaz. vol. 137; p. 2061.
- Whitney, W. D., Holley, assignor to "1900" Washer Co., Binghamton, N. Y. Washing-machine. No. 889,166; May 26; Sp. p. 5747; Dr. p. 1216; Gaz. vol. 134; p. 1018.
- Whitney, W. D., assignor to Nineteen Hundred Washer Company, Binghamton, N. Y. Washing-machine. No. 901,051; Oct. 13; Sp. p. 2067; Dr. pp. 420-1; Gaz. vol. 136; p. 1420.
- Whitney, W. R., Schenectady, N. Y., assignor to General Electric Company. Filament for incandescent lamps. No. 896,341; Aug. 18; Sp. p. 3105; Gaz. vol. 135; p. 1451.
- Whitney, W. R., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 901,506; Oct. 20; Sp. p. 3030; Dr. p. 619; Gaz. vol. 136; p. 1606.
- Whitney, W. R., Schenectady, N. Y., assignor to General Electric Company. Incandescent electric lamp. No. 902,032; Oct. 27; Sp. p. 4119; Dr. p. 834; Gaz. vol. 136; p. 1807.
- Whitney, W. R., Boston, Mass., assignor to General Electric Company. Electrode for arc-lamps. No. 902,354; Oct. 27; Sp. p. 4793; Gaz. vol. 136; p. 1912.
- Whitsell, R. W., and C. B. Ward, Palisade, Nebr. Horse-collar. No. 890,478; June 9; Sp. p. 2575; Dr. p. 569; Gaz. vol. 134; p. 1500.
- Whitson Autopress Company. (See Barnett, M. J., assignor.)
- Whitson, W. W., *et al.* (See Marks, R. C., assignor.)
- Whittaker, B., New York, N. Y. Pipe-wrench. No. 880,612; Mar. 3; Sp. p. 249; Dr. p. 52; Gaz. vol. 133; p. 44.
- Whittaker, G. S., Gloversville, N. Y. Suction device for dental plates. No. 906,977; Dec. 15; Sp. p. 3580; Gaz. vol. 137; p. 1638.
- Whittaker, T. R., Lawrence, Mass. Gage-cock. No. 883,066; Mar. 24; Sp. p. 5109; Dr. p. 1089; Gaz. vol. 133; p. 937.
- Whittaker, T. R., Lawrence, Mass. Water-gage. No. 897,180; Aug. 25; Sp. p. 4842; Dr. p. 1030; Gaz. vol. 135; p. 1749.
- Whittaker, T. R., Lawrence, Mass. Steam-trap. No. 902,355; Oct. 27; Sp. p. 4794; Dr. p. 967; Gaz. vol. 136; p. 1912.
- Whittaker, T. R., Lawrence, Mass. Feed-water regulator and alarm. No. 905,614; Dec. 1; Sp. p. 1008; Gaz. vol. 137; p. 1145.
- Whittemore, H. C., *et al.* (See Mariner, A. L., assignor.)
- Whittemore, J. M. (See Piper, F. A., assignor.)
- Whittemore, J. R., Indianapolis, Ind. Lubricating-filter for engines. No. 893,964; July 21; Sp. p. 3305; Dr. p. 679; Gaz. vol. 135; p. 580.
- Whittemore, J. R., and J. F. Morgal, Indianapolis, Ind. Inserted cutter-blade holder. No. 895,219; Aug. 4; Sp. p. 889; Dr. p. 186; Gaz. vol. 135; p. 1043.

Alphabetical list of patentees—Continued.

- Whittier, A. E., Bristol, assignor to Connecticut Trust & Safe Deposit Company, Hartford, Conn. Oven-thermometer. No. 887,447; May 12; Sp. p. 2279; Dr. p. 478; Gaz. vol. 134; p. 394.
- Whittier, C. A. (See Berry, C. M., assignor.)
- Whittle, J. C., Flint, Mich. Spring suspension. No. 887,165; May 12; Sp. p. 1626; Dr. p. 346; Gaz. vol. 134; p. 209.
- Whitty, M. J., Croton-on-Hudson, N. Y. Trap-nest for hens. No. 904,390; Nov. 17; Sp. p. 3790; Gaz. vol. 137; p. 676.
- Whitworth, I. G., Jr. (See Fisher, F., assignor.)
- Whyman, H. O., assignor to A. P. Richardson, Philadelphia, Pa. Candy-package. No. 894,559; July 28; Sp. p. 4560; Dr. p. 945; Gaz. vol. 135; p. 795.
- Whyte, F. M. (See Lockwood and Whyte.)
- Whyte, F. M., Tarrytown, N. Y. Car-truck. No. 885,818; Apr. 28; Sp. p. 4430; Dr. pp. 930-1; Gaz. vol. 133; p. 1980.
- Whyte, J. F. (See Williams, H. M., assignor.)
- Wiard, H., Syracuse, N. Y. Plow. No. 898,711; Sept. 15; Sp. p. 2953; Dr. p. 633; Gaz. vol. 136; p. 537.
- Wiard, J. B., Lynn, Mass., assignor to General Electric Company. Switch mechanism. No. 902,033; Oct. 27; Sp. p. 4120; Dr. p. 834; Gaz. vol. 136; p. 1807.
- Wibel, S. W., N. J. McAloney, and W. R. Cunningham, Denver, Colo. Electric lock. No. 888,285; May 19; Sp. p. 3911; Dr. p. 823; Gaz. vol. 134; p. 693.
- Wible, E. A., Eureka, Cal. Invalid's bed. No. 904,587; Nov. 24; Sp. p. 4220; Gaz. vol. 137; p. 768.
- Wiborgh, J. A., Stockholm, Sweden. Drop-target. No. 877,622; Jan. 28; Sp. p. 3984; Dr. p. 861; Gaz. vol. 132; p. 734.
- Wibrin, R. (See Wibrin, T. J. and R.)
- Wibrin, T. J. and R., Chaudfontaine, Belgium. Aluminum-solder. No. 900,810; Oct. 13; Sp. p. 1585; Gaz. vol. 136; p. 1343.
- Wichers, H., Zeeland, Mich. Clamp. No. 891,121; June 16; Sp. p. 3895; Dr. p. 852; Gaz. vol. 134; p. 1743.
- Wicht, F. V. (See Spielmann and Wicht.)
- Wick, D. B., Jr., assignor to North Electric Company, Cleveland, Ohio. Telephone-exchange system and apparatus. No. 904,105; Nov. 17; Sp. p. 3181; Gaz. vol. 137; p. 578.
- Wicke, F. A., Barmen, and R. Gartenmeister, Elberfeld, Germany. Igniting device for miners' safety-lamps. No. 908,432; Dec. 29; Sp. p. 6642; Gaz. vol. 137; p. 2190.
- Wickers, D. J., New York, N. Y. Garment-fastener. No. 903,930; Nov. 17; Sp. p. 2849; Gaz. vol. 137; p. 520.
- Wickes, B. C., Baltimore, Md. Protected bottle. No. 891,892; June 30; Sp. p. 5516; Dr. p. 1191; Gaz. vol. 134; p. 2063.
- Wickes Brothers. (See Huyette, W. S., assignor.)
- Wickham, A. W., New Haven, Conn. Heating-drum. No. 895,926; Aug. 11; Sp. p. 2293; Dr. p. 489; Gaz. vol. 135; p. 1295.
- Wickland, L. P., Fremont, Ohio. Badge. No. 894,415; July 28; Sp. p. 4273; Dr. p. 882; Gaz. vol. 135; p. 749.
- Wicks, A., Cortland, N. Y. Door-fastener. No. 907,301; Dec. 22; Sp. p. 4254; Gaz. vol. 137; p. 1783.
- Wicks, F., Esher, England. Spring-wheel for road-vehicles. No. 889,077; May 26; Sp. p. 5524; Dr. pp. 1174-5; Gaz. vol. 134; p. 988.
- Wicksteed, C., Kettering, England. Gearing. No. 881,273; Mar. 10; Sp. p. 1565; Dr. pp. 335-6; Gaz. vol. 133; p. 293.
- Wickstrum, C. M. (See Wickstrum, P. M. and C. M.)
- Wickstrum, P. M., Lincoln, Nebr. Incubator-regulator. No. 892,635; July 7; Sp. p. 474; Dr. p. 101; Gaz. vol. 135; p. 84.
- Wickstrum, P. M., Lincoln, Nebr. Incubator-heater. No. 906,843; Dec. 15; Sp. p. 3330; Gaz. vol. 137; p. 1596.
- Wickstrum, P. M. and C. M., Lincoln, Nebr. Spark-arrester. No. 887,893; May 19; Sp. p. 3175; Dr. p. 668; Gaz. vol. 134; p. 572.
- Wickwire, F. R., Cortland, N. Y. Clamp for compressing springs. No. 875,761; Jan. 7; Sp. p. 162; Dr. p. 36; Gaz. vol. 132; p. 31.
- Widgren, E. H. (See Alexanderson and Widgren.)
- Wideman, F. M., Harrison, N. J. Cutting mechanism for corn-harvesters. No. 883,367; Mar. 31; Sp. p. 5734; Dr. p. 1223; Gaz. vol. 133; p. 1065.
- Widgren, H. T., Chicago, Ill. Shoe-polish. No. 904,035; Nov. 17; Sp. p. 3044; Gaz. vol. 137; p. 554.
- Widmer, A. and S., Paterson, N. J. Narrow-ware loom. No. 900,320; June 9; Sp. p. 2293; Dr. p. 505; Gaz. vol. 134; p. 1451.
- Widmer, A. and S., Paterson, N. J. Cloth-controlling mechanism for looms. No. 894,358; July 28; Sp. p. 4146; Dr. p. 856; Gaz. vol. 135; p. 730.
- Widmer, C. J., assignor to Philip Smith Manufacturing Company, Sidney, Ohio. Corn-sheller. No. 905,259; Dec. 1; Sp. p. 269; Gaz. vol. 137; p. 1029.
- Widmer, C. J., assignor to Philip Smith Manufacturing Company, Sidney, Ohio. Combined friction and jaw clutch. No. 905,260; Dec. 1; Sp. p. 271; Gaz. vol. 137; p. 1029.
- Widmer, H. G., Brooklyn, N. Y. Paper bag. No. 904,167; Nov. 17; Sp. p. 3327; Gaz. vol. 137; p. 601.
- Widmer, H. G., Brooklyn, N. Y. Self-opening bag. No. 904,168; Nov. 17; Sp. p. 3330; Gaz. vol. 137; p. 601.
- Widmer, H. G., Brooklyn, N. Y. Self-opening paper bag. No. 904,169; Nov. 17; Sp. p. 3332; Gaz. vol. 137; p. 601.
- Widmer, S. (See Widmer, A. and S.)
- Widner, J. A., Alpena, Mich. Metallic railway-tie. No. 903,252; Nov. 10; Sp. p. 1444; Gaz. vol. 137; p. 266.
- Widner, J. A., Alpena, Mich. Rail-fastener. No. 904,824; Nov. 24; Sp. p. 4720; Gaz. vol. 137; p. 849.
- Widney, E. L., La Harpe, Ill. Poultry-coop. No. 901,406; Oct. 20; Sp. p. 2799; Dr. p. 571; Gaz. vol. 136; p. 1572.
- Widziszowski, T., Donora, Pa. Curtain-fixture. No. 882,280; Mar. 17; Sp. p. 3594; Dr. p. 762; Gaz. vol. 133; p. 647.
- Wiebe, J., Ottertail, Minn. Cable-driven means for operating machines. No. 908,367; Dec. 29; Sp. p. 6489; Gaz. vol. 137; p. 2167.
- Wiebe, J. J. (See Enns and Wiebe.)
- Wieber, G., Pittsfield, Mass. Shear-grinding machine. No. 878,030; Feb. 4; Sp. p. 283; Dr. p. 61; Gaz. vol. 132; p. 894.
- Wieber, G., Pittsfield, Mass. Portable grinding-machine case. No. 884,249; Apr. 7; Sp. p. 1195; Dr. pp. 251-2; Gaz. vol. 133; p. 1380.
- Wiebke, C., Newark, N. J. Ribbozine-machine. No. 886,024; Apr. 28; Sp. p. 4869; Dr. p. 1024; Gaz. vol. 133; p. 2048.
- Wiebke, C., Newark, N. J. Pressing-roller. No. 902,788; Nov. 3; Sp. p. 491; Gaz. vol. 137; p. 86.
- Wiebke, C., New York, N. Y. Gearing. No. 899,277; Sept. 22; Sp. p. 4041; Dr. p. 863; Gaz. vol. 136; p. 750.
- Wiebke, C., New York, N. Y. Winder. No. 902,787; Nov. 3; Sp. p. 489; Gaz. vol. 137; p. 85.
- Wiebke, C., New York, N. Y. Winding mechanism. No. 902,789; Nov. 3; Sp. p. 492; Gaz. vol. 137; p. 86.
- Wiechmann, F. G., New York, N. Y. Treating vegetable albumin for the production of an article of manufacture useful in the arts and a product. No. 883,995; Apr. 7; Sp. p. 666; Gaz. vol. 133; p. 1298.
- Wiedeke, G., Jr. (See Wiedeke, G., Sr., assignor.)
- Wiedeke, G., Sr., assignor to O. Wiedeke, G. Wiedeke, Jr., and himself, Dayton, Ohio. Tube-expander. No. 901,271; Oct. 13; Sp. p. 2470; Dr. p. 507; Gaz. vol. 136; p. 1490.
- Wiedeke, O. (See Wiedeke, G., Sr., assignor.)
- Wiedeman, H., assignor to J. S. McDonald Company, Chicago, Ill. Loose-leaf binder. No. 876,250; Jan. 7; Sp. p. 1090; Dr. p. 238; Gaz. vol. 132; p. 185.
- Wiedeman, H., assignor to J. S. McDonald Company, Chicago, Ill. Temporary binder. No. 880,473; Feb. 25; Sp. p. 5331; Dr. p. 1122; Gaz. vol. 132; p. 1802.
- Wiedeman, H., assignor to J. S. McDonald Company, Chicago, Ill. Temporary binder for loose leaves. No. 881,514; Mar. 10; Sp. p. 2035; Dr. p. 444; Gaz. vol. 133; p. 370.
- Wiedemeier, A. J. (See Wiedemeier, J. Jr., and A. A.)
- Wiedemeier, J. Jr., and A. A., Carroll, Iowa. Display apparatus. No. 903,253; Nov. 10; Sp. p. 1446; Gaz. vol. 137; p. 266.
- Wieden, J., Los Angeles, Cal. Glass front for automobiles. No. 892,481; July 7; Sp. p. 174; Dr. p. 37; Gaz. vol. 135; p. 34.
- Wiefelspütz, C., Waupun, Wis. Extension-table. No. 897,262; Aug. 25; Sp. p. 5117; Dr. p. 1068; Gaz. vol. 135; p. 1780.
- Wiegand, F. B. (See Buchanan, J. P., assignor.)
- Wiegand, H. J., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Drum-controller. No. 904,906; Nov. 24; Sp. p. 4898; Gaz. vol. 137; p. 875.
- Wiegmann, O., St. Louis, Mo. Gravity-lock. No. 896,260; Aug. 18; Sp. p. 2931; Dr. p. 632; Gaz. vol. 135; p. 1426.
- Wieland, C. G., Hoboken, N. J. Pneumatic motor. No. 879,227; Feb. 18; Sp. p. 2736; Dr. pp. 570-1; Gaz. vol. 132; p. 1358.
- Wielandt, W. (See Hoering and Wielandt.)
- Wiemann, L. S., Chicago, Ill. Ventilator. No. 891,967; June 30; Sp. p. 5682; Dr. p. 1224; Gaz. vol. 134; p. 2088.
- Wiemann-Munhall Company. (See Wiemann, W. P., assignor.)
- Wiemann, W. P., Pittsburg, Pa. Device for purifying water in steam-boilers. No. 903,931; Nov. 17; Sp. p. 2850; Gaz. vol. 137; p. 520.
- Wiemann, W. P., Allegheny, assignor to Wiemann-Munhall Company, Pittsburg, Pa. Purifying device for steam-boilers. No. 879,930; Feb. 25; Sp. p. 4240; Dr. p. 886; Gaz. vol. 132; p. 1622.
- Wiensch, C., Shevlin, Minn. Guard-rail. No. 897,946; Sept. 8; Sp. p. 1469; Dr. p. 312; Gaz. vol. 136; p. 261.
- Wiener, H., Henderson, Ky. Collapsible basket. No. 880,848; Mar. 3; Sp. p. 741; Dr. p. 157; Gaz. vol. 133; p. 125.
- Wiens, A. R., Milwaukee, Wis. Brush. No. 891,314; June 23; Sp. p. 4317; Dr. p. 942; Gaz. vol. 134; p. 1840.
- Wiens, D. J. (See Wiens, J. J., assignor.)
- Wiens, J. J., assignor of three-fourths to F. H. Boldt, D. J. Wiens, and P. F. Billingsley, Quincy, Wash. Watch-regulator. No. 902,034; Oct. 27; Sp. p. 4122; Dr. p. 835; Gaz. vol. 136; p. 1807.
- Wiess, J. H. and W. Schneekloth, Chicago, Ill. Clevis. No. 892,787; July 7; Sp. p. 779; Dr. p. 164; Gaz. vol. 135; p. 133.
- Wiesbroeck, F. W. A., New York, N. Y. Safety device for conveyances. No. 897,566; Sept. 1; Sp. p. 670; Dr. p. 140; Gaz. vol. 136; p. 105.
- Wiesendanger, T. (See Rogers, F. H., assignor.)

Alphabetical list of patentees—Continued.

- Wiesenfeld, R. S., Baltimore, Md. Combined spigot and escape-valve. No. 888,212; May 19; Sp. p. 3769; Dr. p. 791; Gaz. vol. 134; p. 674.
 Wieser, C. B. and F. E., assignors of one-third to J. M. Currell, Paso Robles, Cal. Fuel-regulator. No. 908,179; Dec. 29; Sp. p. 6089; Gaz. vol. 137; p. 2102.
 Wieser, F. E. (See Wieser, C. B. and F. E.)
 Wieser, J., New York, N. Y. Pneumatic valve-action. No. 883,600; Mar. 31; Sp. p. 6222; Dr. p. 1327; Gaz. vol. 133; p. 1139.
 Wieser, J., New York, N. Y. Pneumatic valve-action for player-pianos. No. 895,220; Aug. 4; Sp. p. 890; Dr. p. 186; Gaz. vol. 135; p. 1043.
 Wieser, K., Essen-Rüttenscheid, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Mechanical time-fuse. No. 886,564; May 5; Sp. p. 435; Dr. p. 93; Gaz. vol. 134; p. 80.
 Wiest, J. H., assignor of one-half to L. R. O'Haver, Indianapolis, Ind. Post-mold. No. 879,076; Feb. 11; Sp. p. 2420; Dr. p. 507; Gaz. vol. 132; p. 1267.
 Wiest, J. H., assignor of one-half to C. A. Wolcott and T. S. Waltemeyer, Boulder, Colo. Fluid-feed side-inlet drill-bit. No. 887,051; May 5; Sp. p. 1409; Dr. p. 299; Gaz. vol. 134; p. 234.
 Wiet, E. (See Gamble, H. A., assignor.)
 Wigand, G., and F. J. Schroeder, Altoona, Pa. Fan. No. 902,633; Nov. 3; Sp. p. 202; Gaz. vol. 136; p. 34.
 Wiggins, J. B., May, Tex. Planter. No. 903,254; Nov. 10; Sp. p. 1447; Gaz. vol. 137; p. 266.
 Wiggins, R., et al. (See Lord, G. J., assignor.)
 Wiggins, W., Brockton, Mass. Last. No. 881,643; Mar. 10; Sp. p. 2299; Dr. p. 498; Gaz. vol. 133; p. 413.
 Wigglesworth, A. W., Chicago, Ill. Clutch. No. 886,667; May 5; Sp. p. 650; Dr. pp. 135-6; Gaz. vol. 134; p. 112.
 Wiggs, J. A., Jr., Beaumont, Tex. Rotary well-boring machine. No. 883,265; Mar. 31; Sp. p. 5534; Dr. pp. 1180-1; Gaz. vol. 133; p. 1035.
 Wiggs, J. A., Jr., Beaumont, Tex. Rotary boring mechanism. No. 883,368; Mar. 31; Sp. p. 5737; Dr. pp. 1223-5; Gaz. vol. 133; p. 1066.
 Wiggs, J. A., Jr., Beaumont, Tex. Bearing for driving and other shafts. No. 883,369; Mar. 31; Sp. p. 5742; Dr. pp. 1225-6; Gaz. vol. 133; p. 1066.
 Wight, B. D., Toronto, Ontario, Canada. Lace measuring and winding machine. No. 887,449; May 12; Sp. p. 2282; Dr. p. 479; Gaz. vol. 134; p. 395.
 Wightman, E. E. (See Alden and Wightman.)
 Wightman, M. J., New York, N. Y. Electric railway-switch. No. 902,035; Oct. 27; Sp. p. 4123; Dr. p. 835; Gaz. vol. 136; p. 1808.
 Wightman, W. T., Half Moon Bay, Cal. Building-block and wall constructed thereof. No. 904,588; Nov. 24; Sp. p. 4221; Gaz. vol. 137; p. 768.
 Wigley, W. P., Lott, Tex. Plow. No. 907,302; Dec. 22; Sp. p. 4255; Gaz. vol. 137; p. 1784.
 Wigner, S. W., Douglas, Ariz. Ter. Car-door. No. 894,249; July 28; Sp. p. 3915; Dr. pp. 809-10; Gaz. vol. 135; p. 693.
 Wigtel, C., New York, assignor to F. H. Stillman, Brooklyn, N. Y. Hydraulic pipe-riveting machine. No. 903,526; Nov. 10; Sp. p. 1981; Gaz. vol. 137; p. 356.
 Wigzell, E. E., London, England. Stamp-vending machine. No. 888,562; May 26; Sp. p. 4483; Dr. p. 949; Gaz. vol. 134; p. 821.
 Wilber, H. I., Dorchester, Mass. Variable-speed mechanism. No. 881,987; Mar. 17; Sp. p. 3003; Dr. pp. 642-3; Gaz. vol. 133; p. 553.
 Wilbraham-Green Blower Company. (See Green, T. W., assignor.)
 Wilbur, P. L., assignor to Pyrene Company, New York, N. Y. Chemical fire-extinguisher. No. 903,527; Nov. 10; Sp. p. 1987; Gaz. vol. 137; p. 357.
 Wilbur & Sons, H. O. (See Lennig, G. G., assignor.)
 Wilcox, A., Wheeling, W. Va. Hair-crimper. No. 889,565; June 2; Sp. p. 746; Dr. p. 172; Gaz. vol. 134; p. 1177.
 Wilcox, C., Rochester, Pa. Shoe attachment. No. 890,388; June 9; Sp. p. 2415; Dr. p. 532; Gaz. vol. 134; p. 1472.
 Wilcox, C. A., Valley, Wash. Ax. No. 884,250; Apr. 7; Sp. p. 1197; Dr. p. 252; Gaz. vol. 133; p. 1381.
 Wilcox, Crittenden and Company. (See Hurlburt, A. R., assignor.)
 Wilcox, E. B., Meriden, Conn. Electrical fitting. No. 898,540; Sept. 15; Sp. p. 2628; Dr. p. 562; Gaz. vol. 136; p. 483.
 Wilcox, E. J., et al. (See Fowler, G. A., assignor.)
 Wilcox, F. E., Mechanicsburg, Pa. Vehicle-clip. No. 881,754; Mar. 10; Sp. p. 2508; Dr. p. 540; Gaz. vol. 133; p. 447.
 Wilcox, F. E., Mechanicsburg, Pa. King-bolt clip and connection. No. 896,603; Aug. 18; Sp. p. 3624; Dr. p. 778; Gaz. vol. 135; p. 1537.
 Wilcox, F. K., Somerville, N. J. Face-protector. No. 891,122; June 16; Sp. p. 3896; Dr. p. 853; Gaz. vol. 134; p. 1743.
 Wilcox, H., Newark, N. J., assignor, by mesne assignments, to S. C. Hirschberg, New York, N. Y. Nail-clipper. No. 898,808; Sept. 15; Sp. p. 3131; Dr. p. 671; Gaz. vol. 136; p. 569.
 Wilcox, H. M., assignor to Esmeralda Copper Precipitating Company, Chicago, Ill. Recovering copper from its ores. (Reissue.) No. 12,815; June 16; Sp. p. 4129; Dr. p. 904; Gaz. vol. 134; p. 1779.
 Wilcox, J., Athol, Mass. Hair-roll. No. 901,763; Oct. 20; Sp. p. 3570; Dr. p. 723; Gaz. vol. 136; p. 1690.
 Wilcox, J. F., et al. (See Reece, J. M., assignor.)
 Wilcox, M. S., Middleport, Ohio. Valve. No. 900,811; Oct. 13; Sp. p. 1585; Dr. pp. 320-1; Gaz. vol. 136; p. 1343.
 Wilcox Manufacturing Company. (See Prouty, T. C., assignor.)
 Wilcox, S. S., Sanitaria Springs, N. Y. Gage for adjusting shaft-bearings. No. 889,999; June 9; Sp. p. 1607; Dr. p. 359; Gaz. vol. 134; p. 1344.
 Wilcox, W. G., Cloverly, Wyo. Sealing device for air-tight vessels. No. 892,344; June 30; Sp. p. 6384; Dr. p. 1377; Gaz. vol. 134; p. 2210.
 Wilcox & White Company. (See White, F. C., assignor.)
 Wilczek, L. A., Paris, France. Means for molding hollow articles with bulged or swelled walls. No. 880,947; Mar. 3; Sp. p. 924; Dr. p. 200; Gaz. vol. 133; p. 156.
 Wild, F. W., Jr., Baltimore, Md., assignor to Burt Machine Company. Labeling-machine. No. 894,789; July 28; Sp. p. 4987; Dr. pp. 1040-1; Gaz. vol. 135; p. 870.
 Wild, L. E., Elmwood, Wis., assignor of one-half to J. F. Langer, Minneapolis, Minn. Road-grader. No. 904,106; Nov. 17; Sp. p. 3184; Gaz. vol. 137; p. 578.
 Wild, P. C. (See Radu, J. W., assignor.)
 Wild-Siegfried, A. (See Weibel-Mulisch, J., assignor.)
 Wild, T. C., Pimlico, London, England. Device for lubricating the wheels of vehicles. No. 879,228; Feb. 18; Sp. p. 2737; Dr. p. 571; Gaz. vol. 132; p. 1358.
 Wilde, C. F., Jackson, Tenn. Exhaust-nozzle. No. 892,482; July 7; Sp. p. 175; Dr. p. 37; Gaz. vol. 135; p. 34.
 Wilde, E. D., Winnipeg, Manitoba, Canada. Table. No. 905,965; Dec. 8; Sp. p. 1671; Gaz. vol. 137; p. 1288.
 Wilde, O. W., Wichita, Kans. Combined whip, rein, and lap-rope lock for vehicles. No. 877,623; Jan. 28; Sp. p. 3986; Dr. p. 861; Gaz. vol. 132; p. 734.
 Wilde, W. J., American Fork, Utah. Gearing. No. 900,631; Oct. 6; Sp. p. 1202; Dr. p. 246; Gaz. vol. 136; p. 1257.
 Wilder, E. S., Monroe, Mich. Feed-cutter. No. 887,894; May 19; Sp. p. 3176; Dr. pp. 668-9; Gaz. vol. 134; p. 573.
 Wilder, W. H., Gardner, Mass. Oil-stove. No. 878,699; Feb. 11; Sp. p. 1714; Dr. p. 354; Gaz. vol. 132; p. 1149.
 Wilder, W. H., Caledonia, N. Y. Bunching device for harvesters. No. 898,161; Sept. 8; Sp. p. 1893; Dr. p. 405; Gaz. vol. 136; p. 329.
 Wilderman, J., New York, N. Y. Amusement device. No. 898,948; Sept. 15; Sp. p. 3380; Dr. p. 725; Gaz. vol. 136; p. 615.
 Wildman, J. E., Landover, Md., assignor, by mesne assignments, to A. F. Staples, Alliance, Ohio, and C. W. Potter, Waltham, Mass. Accounting appliance. No. 882,856; Mar. 24; Sp. p. 4710; Dr. pp. 1001-2; Gaz. vol. 133; p. 869.
 Wildman, L. D., San Francisco, Cal. Receiver for space signaling systems. No. 883,437; Mar. 31; Sp. p. 5910; Dr. p. 1261; Gaz. vol. 133; p. 1090.
 Wildman Manufacturing Company. (See Ballard, G. L., assignor.)
 Wile, S. (See Bennett, W. H., assignor.)
 Wiler, C. (See Warner and Wiler.)
 Wiles, E. B., assignor to himself and E. A. Van Vleck, New York, N. Y. T-square. No. 903,648; Nov. 10; Sp. p. 2236; Gaz. vol. 137; p. 396.
 Wiles, E. B., Stony Point, N. Y. Brick-making-machine. No. 893,408; July 14; Sp. p. 2036; Dr. p. 427; Gaz. vol. 135; p. 366.
 Wiley, R. E., St. Catharines, Ontario, Canada. Sign-letter. No. 878,758; Feb. 11; Sp. p. 1830; Dr. p. 378; Gaz. vol. 132; p. 1168.
 Wiley, R. E., St. Catharines, Ontario, Canada. Illuminated sign. No. 885,118; Apr. 21; Sp. p. 2980; Dr. p. 629; Gaz. vol. 133; p. 1724.
 Wiley, W. E. (See Dobson, Wiley, and Hart.)
 Wilfley, A. R., Denver, Colo. Roasting-furnace. No. 898,024; Sept. 8; Sp. p. 1631; Dr. pp. 347-8; Gaz. vol. 136; p. 286.
 Wilford, J. O., et al. (See Bruuas, H. P., assignor.)
 Wilgus, W. J., Yonkers, and F. J. Sprague, New York, N. Y. Third rail. No. 908,180; Dec. 29; Sp. p. 6090; Gaz. vol. 137; p. 2103.
 Wilhelm, A., St. Johns, Oreg. Railway signal system. No. 891,200; June 16; Sp. p. 4061; Dr. pp. 890-1; Gaz. vol. 134; p. 1769.
 Wilhelm, H. (See Wheeler and Wilhelm.)
 Wilhelm, H., New York, N. Y. Electric push-button. No. 887,166; May 12; Sp. p. 1627; Dr. p. 346; Gaz. vol. 134; p. 300.
 Wilhelm, H., New York, N. Y. Push-button. No. 906,762; Dec. 15; Sp. p. 3191; Gaz. vol. 137; p. 1571.
 Wilhelm, H. P., and E. Vero, Millvale, Pa. Tool-post. No. 880,948; Mar. 3; Sp. p. 925; Dr. p. 200; Gaz. vol. 133; p. 156.
 Wilhelm, L. R. (See Prater and Wilhelm.)
 Wilhelm, L., Worcester, Mass., assignor of one-half to F. A. Stevens, Providence, R. I. Lens-blank. No. 901,575; Oct. 20; Sp. p. 3164; Dr. p. 645; Gaz. vol. 136; p. 1628.

Alphabetical list of patentees—Continued.

- Wilhelm, L., Worcester, Mass., assignor of one-half to F. A. Stevens, Providence, R. I. Making bifocal lenses. No. 901,576; Oct. 20; Sp. p. 3165; Dr. p. 645; Gaz. vol. 136; p. 1628.
- Wilhelmi, E. A. (See Field, D. D., assignor.)
- Wilhelmy, W. H., Nebraska City, Nebr. Hydrocarbon-burner. No. 881,515; Mar. 10; Sp. p. 2036; Dr. p. 444; Gaz. vol. 133; p. 370.
- Wilhite, B. M., Gordon, Nebr. End-gate for wagons. No. 883,286; May 19; Sp. p. 3913; Dr. p. 823; Gaz. vol. 134; p. 699.
- Wilhite, M. R., Nashville, Tenn. Cattle-guard. No. 889,838; June 2; Sp. p. 1256; Dr. pp. 289-95; Gaz. vol. 134; p. 1264.
- Wilke, C., Brunswick, Germany. Dowel for fastening wood-screws in rail cross-ties. No. 881,755; Mar. 10; Sp. p. 2509; Dr. p. 540; Gaz. vol. 133; p. 447.
- Wilke, H., Seattle, Wash. Account system. No. 901,507; Oct. 20; Sp. p. 3031; Dr. p. 619; Gaz. vol. 136; p. 1606.
- Wilken, G., New York, N. Y. Drum. No. 891,315; June 23; Sp. p. 4318; Dr. p. 942; Gaz. vol. 134; p. 1840.
- Wilken, G. E. (See Gerdes and Wilken.)
- Wilkening, M. L. (See Wuest, C., assignor.)
- Wilker, W. J., Cleveland, Ohio. Sewer-gas trap. No. 891,580; June 23; Sp. p. 4860; Dr. p. 1047; Gaz. vol. 134; p. 1926.
- Wilkerson, P. L., assignor of one-half to L. Poole, Jr., Cuba, Ala. Package-tie. No. 886,751; May 5; Sp. p. 853; Dr. p. 177; Gaz. vol. 134; p. 141.
- Wilkes, J. W., Bessemer, Ala. Car-door. No. 887,167; May 12; Sp. p. 1629; Dr. p. 346; Gaz. vol. 134; p. 300.
- Wilkin, A., New York, N. Y. Preserving-jar. No. 882,438; Mar. 17; Sp. p. 3866; Dr. p. 826; Gaz. vol. 133; p. 699.
- Wilkin, J. A., Matamoras, Pa. Changeable-speed device. No. 879,710; Feb. 18; Sp. p. 3745; Dr. p. 786; Gaz. vol. 132; p. 1515.
- Wilkin, J. T., assignor to Connorsville Blower Co., Connorsville, Ind. Rotary blower or gas-pump. No. 905,967; Dec. 8; Sp. p. 1678; Gaz. vol. 137; p. 1289.
- Wilkin, M. M., Traverse City, Mich. Nut-lock. No. 903,255; Nov. 10; Sp. p. 1449; Gaz. vol. 137; p. 267.
- Wilkin, T. S., Milwaukee, Wis. Gang-saw mill. No. 885,119; Apr. 21; Sp. p. 2981; Dr. p. 629; Gaz. vol. 133; p. 1724.
- Wilkin, T. S., deceased, Milwaukee, Wis.; J. B. Carpenter, administrator. Sawmill set-works. No. 896,342; Aug. 18; Sp. p. 3106; Dr. pp. 667-8; Gaz. vol. 135; p. 1451.
- Wilkins, A. G., Meadville, Pa. Boat-propelling mechanism. No. 906,978; Dec. 15; Sp. p. 3582; Gaz. vol. 137; p. 1638.
- Wilkins, A. G., Louisville, Ky. Boat. No. 907,303; Dec. 22; Sp. p. 4257; Gaz. vol. 137; p. 1784.
- Wilkins, B. D. (See Harrison, J. E., assignor.)
- Wilkins, C. L., assignor to Ohio Pump & Brass Company, Columbus, Ohio. Hydraulic motor. No. 878,700; Feb. 11; Sp. p. 1716; Dr. p. 355; Gaz. vol. 132; p. 1149.
- Wilkins, D. O., Oklahoma, Okla. Brace. No. 885,819; Apr. 28; Sp. p. 4432; Dr. p. 931; Gaz. vol. 133; p. 1980.
- Wilkins, F. M., Mexico, Mexico. Process and apparatus for testing wattmeters. No. 905,966; Dec. 8; Sp. p. 1672; Gaz. vol. 137; p. 1289.
- Wilkins, J. C., Swissvale, Pa. Trolley. No. 891,123; June 16; Sp. p. 3397; Dr. p. 853; Gaz. vol. 134; p. 1743.
- Wilkins, J. F., Cherokee, Kans. Thread-cutter. No. 888,563; May 26; Sp. p. 4484; Dr. p. 950; Gaz. vol. 134; p. 821.
- Wilkins, N. (See Lord and Wilkins.)
- Wilkins, T. M., East Randolph, N. Y. Pump-regulator. No. 892,788; July 7; Sp. p. 779; Dr. p. 164; Gaz. vol. 135; p. 133.
- Wilkinson, A. A., et al. (See Easterbrooks, W. E., assignor.)
- Wilkinson, C. (See Hacking and Wilkinson.)
- Wilkinson, G., Beech Mount, Harrogate, England. Feed-water heater. No. 883,925; Apr. 7; Sp. p. 514; Dr. p. 102; Gaz. vol. 133; p. 1274.
- Wilkinson, J., Springfield, Ohio. Awning-fixture. No. 890,000; June 9; Sp. p. 1608; Dr. p. 360; Gaz. vol. 134; p. 1344.
- Wilkinson, J., Providence, R. I., assignor to Wilkinson Turbine Company, Birmingham, Ala. Turbine bucket-wheel. No. 876,123; Jan. 7; Sp. p. 852; Dr. p. 182; Gaz. vol. 132; p. 145.
- Wilkinson, J., Providence, R. I., assignor to Wilkinson Turbine Company, Birmingham, Ala. Shaft-packing. No. 876,613; Jan. 14; Sp. p. 1910; Dr. p. 416; Gaz. vol. 132; p. 341.
- Wilkinson, J., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Self-propelled vehicle. No. 889,839; June 2; Sp. p. 1253; Dr. pp. 290-1; Gaz. vol. 134; p. 1264.
- Wilkinson, J. A. (See Bouchard and Wilkinson.)
- Wilkinson, J. F., Gloucester, Mass. Starting-clutch. No. 883,266; Mar. 31; Sp. p. 5536; Dr. pp. 1181-2; Gaz. vol. 133; p. 1034.
- Wilkinson, L. A., and J. C. Goodwin, Philadelphia, Pa. Sewing-machine. No. 884,629; Apr. 14; Sp. p. 1943; Dr. pp. 417-18; Gaz. vol. 133; p. 1532.
- Wilkinson, S., Osceola Mills, Pa. Wheel of mine-cars. No. 883,996; Apr. 7; Sp. p. 667; Dr. p. 134; Gaz. vol. 133; p. 1298.
- Wilkinson, S., Chicago, Ill. Bottle-capping machine. No. 883,772; May 26; Sp. p. 4921; Dr. p. 1049; Gaz. vol. 134; p. 889.
- Wilkinson, T. G., South Williamsport, Pa. Pneumatic vehicle-spring. No. 898,712; Sept. 15; Sp. p. 2955; Dr. p. 634; Gaz. vol. 136; p. 538.
- Wilkinson Turbine Company. (See Wilkinson, J., assignor.)
- Wilkinson, W. W., Cynthia, Ind. Washboiler-basket. No. 903,649; Nov. 10; Sp. p. 2237; Gaz. vol. 137; p. 396.
- Wilkinson, W. Z., Head of Island, La. Log-clamp. No. 888,564; May 26; Sp. p. 4487; Dr. p. 950; Gaz. vol. 134; p. 821.
- Wilkison, F. E., Fairbury, Nebr. Concrete-block-press machine. No. 894,089; July 21; Sp. p. 3567; Dr. pp. 734-5; Gaz. vol. 135; p. 622.
- Wilkoshesky, E. Z., Chicago, Ill. Ticket-holder. No. 882,771; Mar. 24; Sp. p. 4526; Dr. p. 966; Gaz. vol. 133; p. 840.
- Wilks, C. T., Woodlawn, Ala. Advertising device. No. 898,949; Sept. 15; Sp. p. 3381; Dr. p. 726; Gaz. vol. 136; p. 615.
- Wilks, P., Dartmouth, Nova Scotia, Canada. Treating iron. No. 886,668; May 5; Sp. p. 655; Gaz. vol. 134; p. 112.
- Will, C. (See Hollenburger and Will.)
- Will, L., Syracuse, N. Y. Kitchen-cabinet. No. 887,168; May 12; Sp. p. 1631; Dr. p. 547; Gaz. vol. 134; p. 300.
- Will, W. B., Grand Junction, Colo. Brush and duck scraper bracket. No. 902,270; Oct. 27; Sp. p. 4593; Dr. p. 933; Gaz. vol. 136; p. 1882.
- Willans & Robinson. (See Peache, J. C., assignor.)
- Willans, T., deceased, Philadelphia, Pa.; W. Willans, administrator. Apparatus for utilizing wave-power. No. 886,104; Apr. 28; Sp. p. 5020; Dr. p. 1056; Gaz. vol. 133; p. 2074.
- Willans, W., administrator. (See Willans, T.)
- Willard, A. G., Bakersfield, Cal., assignor to Bakersfield Iron Works. Pump for oil-wells. No. 885,899; Apr. 28; Sp. p. 4578; Dr. p. 960; Gaz. vol. 133; p. 2006.
- Willard, E. W., administrator. (See Wellman, H. R.)
- Willard, F. S., and R. E. Donaldson, Chicago, Ill. Frog-box. No. 882,184; Mar. 17; Sp. p. 3406; Dr. p. 724; Gaz. vol. 133; p. 616.
- Willard, M. D., Buffalo, N. Y. Fastener. No. 891,024; June 16; Sp. p. 3737; Dr. p. 815; Gaz. vol. 134; p. 1714.
- Willard, O. H., Chicago, Ill. Covering for barbers' chairs. No. 899,853; Sept. 29; Sp. p. 5211; Dr. p. 1115; Gaz. vol. 136; p. 974.
- Willard Storage Battery Company. (See Willard, T. A., assignor.)
- Willard, T. A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage-battery plate. No. 888,951; May 26; Sp. p. 5318; Dr. p. 1128; Gaz. vol. 134; p. 949.
- Willard, W. C., assignor to Ferro Machine and Foundry Company, Cleveland, Ohio. Carbureter. No. 893,685; July 21; Sp. p. 2649; Dr. p. 556; Gaz. vol. 135; p. 487.
- Willaredt, J. A., Brussels, Belgium. Annular valve for compressors, blowing-engines, and the like. No. 881,516; Mar. 10; Sp. p. 2038; Dr. pp. 444-5; Gaz. vol. 133; p. 371.
- Willcox, G. B., Bay City, Mich. Raking-machine for grainers. No. 882,727; Mar. 24; Sp. p. 4442; Dr. pp. 944-5; Gaz. vol. 133; p. 827.
- Willcox & Gibbs Sewing Machine Company. (See Borton, S., assignor.)
- Willcox & Gibbs Sewing Machine Company. (See Borton and Birge, assignors.)
- Willcox, J. E., Malden, Mass. Clutch. No. 890,206; June 9; Sp. p. 2027; Dr. p. 446; Gaz. vol. 134; p. 1414.
- Will, C., St. Petersburg, Russia. Apparatus for recording numbers of vehicles, cabs, cars, and the like. No. 893,686; July 21; Sp. p. 2652; Dr. p. 556; Gaz. vol. 135; p. 487.
- Wille, H. V., Philadelphia, Pa. Bolt. No. 877,390; Jan. 21; Sp. p. 3494; Dr. p. 758; Gaz. vol. 132; p. 637.
- Wille, P. A., New York, N. Y. Piston. No. 876,853; Jan. 14; Sp. p. 2358; Dr. p. 516; Gaz. vol. 132; p. 417.
- Willems, G. H., Roanoke, Ill. Grave attachment. No. 901,407; Oct. 20; Sp. p. 2800; Dr. p. 571; Gaz. vol. 136; p. 1573.
- Willet, E., Cape Girardeau, Mo. Combination-truck. No. 895,319; Aug. 4; Sp. p. 1101; Dr. p. 231; Gaz. vol. 135; p. 1075.
- Willet, W., Buffalo, N. Y. Spring-insole. No. 887,368; May 12; Sp. p. 2102; Dr. p. 441; Gaz. vol. 134; p. 368.
- Willet, B. F., Woodward, Okla. Self-lubricating vehicle-axle. No. 887,561; May 12; Sp. p. 2512; Dr. p. 529; Gaz. vol. 134; p. 432.
- Willet, F. N. L., Aurora, Ill. Sheep-shears. No. 896,497; Aug. 18; Sp. p. 3428; Dr. p. 737; Gaz. vol. 135; p. 1503.
- Willet, G. P., Bristol, Wis. Machine for slitting plastic tubes. No. 877,151; Jan. 21; Sp. p. 3026; Dr. p. 655; Gaz. vol. 132; p. 559.
- Willet, W. C., et al. (See Hackburn, Willett, and Deppe.)
- Willette, C. W., assignor of one-half to J. Clough, Tacoma, Wash. Controlling mechanism for power-driven vehicles. No. 901,508; Oct. 20; Sp. p. 3032; Dr. pp. 619-20; Gaz. vol. 136; p. 1607.
- Willey, F. O., Westport, Ind. Sawmill. No. 906,343; Dec. 8; Sp. p. 2408; Gaz. vol. 137; p. 1413.
- William B. Mershon and Company. (See Gilbert, H. J., assignor.)
- William Galloway Company. (See Wilson, D. K., assignor.)
- William Galloway Company. (See Wilson and Buswell, assignors.)
- William Galloway Company. (See Wilson and Butler, assignors.)

Alphabetical list of patentees—Continued.

- William H. Jackson Company. (See Frentz, H. A., assignor.)
 William L. Inlay Rapid Cyanide Process Company. (See Inlay, W. L., assignor.)
 William Powell Co. (See Powell, J., assignor.)
 William Sellers & Company. (See Benson, G. H., Jr., assignor.)
 William Sellers & Company. (See Burt, J., assignor.)
 William Sellers and Company. (See Kneass, S. L., assignor.)
 William Sellers and Company. (See Thorne, W. H., assignor.)
 William Sellers & Company. (See Vold, L. H., assignor.)
 William Sellers & Company. (See Vold and Burt, assignors.)
 William Tonk & Bro. (See Stahl, A., assignor.)
 William Wharton, Jr., & Company. (See Angerer, V., assignor.)
 William Wharton, Jr., & Company. (See Cooke, W. B., assignor.)
 Williams, A. C., Philadelphia, Pa., assignor to Dodge Coal Storage Company, Naugatuck, Conn. Storage apparatus. No. 891,124; June 16; Sp. p. 3898; Dr. p. 853; Gaz. vol. 134; p. 1743.
 Williams, A. G. R., Petone, Wellington, New Zealand. Safety-lamp. No. 879,934; Feb. 25; Sp. p. 4248; Dr. p. 888; Gaz. vol. 132; p. 1624.
 Williams, B. C., assignor to Eagle Manufacturing Company, Detroit, Mich. Jack. No. 891,579; June 23; Sp. p. 4857; Dr. p. 1047; Gaz. vol. 134; p. 1925.
 Williams, B. R., English, Ark. Hoe. No. 878,920; Feb. 11; Sp. p. 2139; Dr. p. 446; Gaz. vol. 132; p. 1219.
 Williams, B. R., English, Ark. Electric-light-bulb shield. No. 905,483; Dec. 1; Sp. p. 754; Gaz. vol. 137; p. 1104.
 Williams, B. R., English, Ark., assignor to W. B. Rely, New Orleans, La. Hoe. No. 892,607; July 7; Sp. p. 403; Dr. p. 89; Gaz. vol. 135; p. 74.
 Williams, Brown & Earle. (See Pease, C. F., assignor.)
 Williams, C., Wittenberg, Wis. Aiming device for firearms. No. 883,267; Mar. 31; Sp. p. 5542; Dr. p. 1182; Gaz. vol. 133; p. 1034.
 Williams, C., Turney, Mo. Cultivator-lender. No. 898,809; Sept. 15; Sp. p. 3133; Dr. p. 671; Gaz. vol. 136; p. 569.
 Williams, C., P. B. Mitchell, and S. Hathaway, Barton, Ohio. Telegraphic transmitter. No. 879,711; Feb. 18; Sp. p. 3750; Dr. pp. 786-7; Gaz. vol. 132; p. 1516.
 Williams, C. A., assignor to Briscoe Manufacturing Company, Detroit, Mich. Self-feeding mechanism for punch and die presses. No. 900,335; Oct. 6; Sp. p. 556; Dr. p. 116; Gaz. vol. 136; p. 1159.
 Williams, C. B., Ontario, Cal. Automatic feeder. No. 877,538; Jan. 28; Sp. p. 3806; Dr. pp. 823-4; Gaz. vol. 132; p. 707.
 Williams, C. C., Cleveland, Ohio. Clam-shell bucket. No. 878,585; Feb. 11; Sp. p. 1496; Dr. pp. 304-5; Gaz. vol. 132; p. 1111.
 Williams, C. C., Westfield, Pa. Holder. No. 905,038; Nov. 24; Sp. p. 5155; Gaz. vol. 137; p. 919.
 Williams, C. D., Elmore, Minn. Attachment for vehicle-tongues. No. 894,867; Aug. 4; Sp. p. 128; Dr. p. 28; Gaz. vol. 135; p. 922.
 Williams, C. F., New York, N. Y. Folding carrier. No. 901,858; Oct. 20; Sp. p. 3745; Dr. p. 761-2; Gaz. vol. 136; p. 1720.
 Williams, C. H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-head. No. 884,443; Apr. 14; Sp. p. 1570; Dr. p. 337; Gaz. vol. 133; p. 1473.
 Williams, C. H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam. No. 884,444; Apr. 14; Sp. p. 1571; Dr. p. 338; Gaz. vol. 133; p. 1473.
 Williams, C. H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Trussed beam. No. 884,445; Apr. 14; Sp. p. 1572; Dr. p. 338; Gaz. vol. 133; p. 1473.
 Williams, C. H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Trussed beam. No. 884,446; Apr. 14; Sp. p. 1573; Dr. pp. 338-9; Gaz. vol. 133; p. 1474.
 Williams, C. I., Utica, N. Y. Apparatus for drying out molding-flasks. No. 896,070; Aug. 11; Sp. p. 2582; Dr. p. 558; Gaz. vol. 135; p. 1343.
 Williams, D., South New Castle, assignor of one-half to D. S. Pyle and G. Greer, New Castle, Pa. Machine for polishing, cleansing and rolling sheets or plates of tin. No. 892,345; June 30; Sp. p. 6385; Dr. p. 1377; Gaz. vol. 134; p. 2211.
 Williams, D. L., Trenton, assignor of one-half to G. P. Dodge and R. L. Mealus, Utica, N. Y. Spoke-extractor. No. 884,447; Apr. 14; Sp. p. 1575; Dr. p. 339; Gaz. vol. 133; p. 1474.
 Williams, E., New Castle, Pa. Roll for rolling-mills. No. 907,930; Dec. 29; Sp. p. 5568; Gaz. vol. 137; p. 2019.
 Williams, E. A., and A. W. Price, Warsaw, N. Y. Engine. No. 906,344; Dec. 8; Sp. p. 2410; Gaz. vol. 137; p. 1413.
 Williams, E. G., Carney, Okla. Cotton-chopper. No. 892,106; June 30; Sp. p. 5921; Dr. pp. 1276-7; Gaz. vol. 134; p. 2131.
 Williams, E. H., U. S. Navy. Multiple explosive-engine. No. 906,345; Dec. 8; Sp. p. 2411; Gaz. vol. 137; p. 1414.
 Williams, E. Q., Syracuse, N. Y. Electric igniting system. No. 907,929; Dec. 29; Sp. p. 5566; Gaz. vol. 137; p. 2019.
 Williams, E. Q., Syracuse, N. Y., assignor to Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Electrical-ignition spark-coil for gas or vapor engines. No. 884,116; Apr. 7; Sp. p. 932; Dr. p. 196; Gaz. vol. 133; p. 1338.
 Williams, E. R., Downers Grove, Ill. Printing-frame. No. 880,345; Feb. 25; Sp. p. 5050; Dr. p. 1067; Gaz. vol. 132; p. 1757.
 Williams, E. T., New York, N. Y. Ice-making apparatus. No. 882,224; Mar. 17; Sp. p. 3476; Dr. p. 739; Gaz. vol. 133; p. 628.
 Williams, F., Bilston, England. Floor-cramp. No. 900,246; Oct. 6; Sp. p. 356; Dr. p. 74; Gaz. vol. 136; p. 1131.
 Williams, F., Hudson, La. Automatic switch. No. 903,932; Nov. 17; Sp. p. 2852; Gaz. vol. 137; p. 520.
 Williams, F. B., Chicago, Ill. Seal-lock for beer-cases. No. 896,786; Aug. 25; Sp. p. 4015; Dr. p. 864; Gaz. vol. 135; p. 1619.
 Williams, F. C., assignor to E. Goldman & Co., Inc., Chicago, Ill. Labeling-machine. No. 896,675; Aug. 18; Sp. p. 3752; Dr. pp. 809-12; Gaz. vol. 135; p. 1557.
 Williams, F. R., *et al.* (See Myers, C. D., assignor.)
 Williams Foundry and Machine Company. (See Williams, J. K., assignor.)
 Williams, G., Shirley, Ind. Metallic cross-tie and rail-fastener. No. 892,789; July 7; Sp. p. 781; Dr. p. 165; Gaz. vol. 135; p. 134.
 Williams, G. A., Salt Lake City, Utah. Ash-separator. No. 893,687; July 21; Sp. p. 2654; Dr. p. 557; Gaz. vol. 135; p. 487.
 Williams, G. B. (See Eccleston, S. S., assignor.)
 Williams, G. H., *et al.* (See Osterhoudt, F. D., assignor.)
 Williams, G. N., Jr., and J. Tinlin, New York, N. Y., assignors to said Williams. Circular saw-blade. No. 903,933; Nov. 17; Sp. p. 2855; Gaz. vol. 137; p. 521.
 Williams, G. T. (See Barnes, Williams, and Reynolds.)
 Williams, G. W. (See Newlin and Williams.)
 Williams, G. W., and C. G. Selby, West Mansfield, Ohio. Bed. No. 895,526; Aug. 11; Sp. p. 1510; Dr. p. 320; Gaz. vol. 135; p. 1168.
 Williams, H., *et al.* (See Rogers, C. S., assignor.)
 Williams, H., Chicago, Ill. Hot-box indicator. No. 896,874; Aug. 25; Sp. p. 4203; Dr. p. 900; Gaz. vol. 135; p. 1648.
 Williams, H. A., Chicago Heights, Ill. Game apparatus. No. 907,663; Dec. 22; Sp. p. 5032; Gaz. vol. 137; p. 1902.
 Williams, H. C., assignor to W. F. Bossert Manufacturing Company, Utica, N. Y. Signal-blade clasp. No. 880,949; Mar. 3; Sp. p. 927; Dr. p. 200; Gaz. vol. 133; p. 157.
 Williams, H. C., Utica, and F. B. Harrington, Albany, N. Y., assignors to General Electric Company. Controlling apparatus for railway appliances. No. 892,636; July 7; Sp. p. 476; Dr. p. 101; Gaz. vol. 135; p. 84.
 Williams, H. C., Utica, and F. B. Harrington, Albany, N. Y., assignors to General Electric Company. Controlling means for railway appliances. No. 892,637; July 7; Sp. p. 477; Dr. pp. 101-2; Gaz. vol. 135; p. 85.
 Williams, H. D., Vermillion, Kans. Party-line telephone selector and lock-out. No. 886,909; May 5; Sp. p. 1146; Dr. p. 241; Gaz. vol. 134; p. 188.
 Williams, H. D., Washington, D. C., assignor to Waterbury Tool Company, Waterbury, Conn. Variable-speed transmission-gear. No. 893,583; July 14; Sp. p. 2381; Dr. pp. 499-500; Gaz. vol. 135; p. 415.
 Williams, H. D., and W. Ahlen, Duquesne, Pa. Charging apparatus for blast-furnaces. No. 903,423; Nov. 10; Sp. p. 1766; Gaz. vol. 137; p. 321.
 Williams, H. D., and M. Leonard, Vermillion, Kans.; said Leonard assignor to said Williams. Electric safety and alarm system for railways. No. 890,001; June 9; Sp. p. 1610; Dr. p. 360; Gaz. vol. 134; p. 1345.
 Williams, H. D., W. Ahlen, and A. N. Diehl, Duquesne, Pa. Charging blast-furnaces. No. 905,125; Nov. 24; Sp. p. 5334; Gaz. vol. 137; p. 949.
 Williams, H. E., assignor of one-half to A. U. Walker, H. E. Ross, and J. W. Ross, Savannah, Tenn. Gate-operating mechanism. No. 882,984; Mar. 24; Sp. p. 4959; Dr. p. 1055; Gaz. vol. 133; p. 911.
 Williams, H. G., *et al.* (See Lind, J. W., assignor.)
 Williams, H. G., and J. A. Spiker, Salt Lake City, Utah. Electrically-illuminated door-knob mechanism. No. 893,214; July 14; Sp. p. 1671; Dr. p. 353; Gaz. vol. 135; p. 302.
 Williams, H. J., Boston, Mass., assignor, by mesne assignments, to Coal Treating Co., Phoenix, Ariz. Ter., and Boston, Mass. Controlling the combustion of fuel. No. 896,875; Aug. 25; Sp. p. 4204; Gaz. vol. 135; p. 1649.
 Williams, H. J., Boston, Mass., assignor to Coal Treating Company, Phoenix, Ariz. Ter., and Boston, Mass. Controlling the combustion of fuel. No. 896,876; Aug. 25; Sp. p. 4206; Gaz. vol. 135; p. 1649.
 Williams, H. L., Denver, Colo. Railway-tie. No. 894,090; July 21; Sp. p. 3570; Dr. p. 735; Gaz. vol. 135; p. 622.
 Williams, H. M. (See Burger, F., assignor.)

Alphabetical list of patentees—Continued.

- Williams, H. M., Vincennes, assignor of one-half to J. F. Whyte, Coatesville, Ind. Pump for pneumatic tires. No. 900,632; Oct. 6; Sp. p. 1203; Dr. pp. 246-7; Gaz. vol. 136; p. 1257.
- Williams, H. M., and E. Isaacs, Pittsburgh, Pa. Automatic sander. No. 886,910; May 5; Sp. p. 1149; Dr. p. 242; Gaz. vol. 134; p. 188.
- Williams, H. N., Providence, R. I. Gas-producing apparatus for extinguishing fires and other purposes. No. 902,514; Oct. 27; Sp. p. 5143; Dr. p. 1042; Gaz. vol. 136; p. 1966.
- Williams, H. T., Indianapolis, Ind. Veneer-machine. No. 880,849; Mar. 3; Sp. p. 743; Dr. p. 153; Gaz. vol. 133; p. 126.
- Williams, I., Lima, Ohio. Steam-boiler. No. 878,261; Feb. 4; Sp. p. 753; Dr. pp. 152-3; Gaz. vol. 132; p. 970.
- Williams, J. N., Foltz, Ind. Gate. No. 876,122; Jan. 7; Sp. p. 851; Dr. p. 182; Gaz. vol. 132; p. 145.
- Williams, J., Allegheny, Pa. Curtain-pole. No. 876,672; Jan. 14; Sp. p. 2035; Dr. p. 444; Gaz. vol. 132; p. 361.
- Williams, J. A., Cleveland, Ohio. Compound explosive-engine. No. 892,790; July 7; Sp. p. 782; Dr. p. 165; Gaz. vol. 135; p. 134.
- Williams, J. A., Ironton, Ohio. Molding-machine. No. 900,633; Oct. 6; Sp. p. 1207; Dr. p. 247; Gaz. vol. 136; p. 1258.
- Williams, J. B., Houston, Tex. Shutter-hinge. No. 900,336; Oct. 6; Sp. p. 559; Dr. p. 116; Gaz. vol. 136; p. 1160.
- Williams, J. C., and A. B. Conner, Soperton, Ga. Umbrella-support for carriages. No. 902,459; Oct. 27; Sp. p. 5012; Dr. p. 1013; Gaz. vol. 136; p. 1945.
- Williams, J. D., Indianapolis, Ind. Fence-post mold. No. 882,439; Mar. 17; Sp. p. 3867; Dr. p. 826; Gaz. vol. 133; p. 699.
- Williams, J. F., *et al.* (See Meres, C. R., assignor.)
- Williams, J. F., West Orange, N. J. Roller for hat-sizing machines. No. 880,768; Mar. 3; Sp. p. 565; Dr. p. 119; Gaz. vol. 133; p. 98.
- Williams, J. H., Wilkes-Barre, Pa. Soap-shaver. No. 888,287; May 19; Sp. p. 3914; Dr. p. 824; Gaz. vol. 134; p. 699.
- Williams, J. H., assignor to Remington and Sherman Company, Philadelphia, Pa. Adjustable hinge construction for safe and vault doors. No. 879,229; Feb. 18; Sp. p. 2738; Dr. p. 571; Gaz. vol. 132; p. 1359.
- Williams, J. H., Milano, assignor of one-half to J. M. Smith, Cameron, Tex. Wire-stretcher. No. 880,613; Mar. 3; Sp. p. 251; Dr. p. 52; Gaz. vol. 133; p. 44.
- Williams, J. K., assignor of one-half to Williams Foundry & Machine Company, Akron, Ohio. Cylinder-packing. No. 885,556; Apr. 21; Sp. p. 3888; Dr. p. 813; Gaz. vol. 133; p. 1865.
- Williams, J. K., assignor of one-half to Williams Foundry and Machine Company, Akron, Ohio. Vulcanizing-mold. No. 908,181; Dec. 29; Sp. p. 6095; Gaz. vol. 137; p. 2103.
- Williams, J. L., Philadelphia, Pa. Ice-tongs. No. 884,448; Apr. 14; Sp. p. 1577; Dr. p. 339; Gaz. vol. 133; p. 1474.
- Williams, J. L., Ellzey, Fla. Power transmission. No. 893,409; July 14; Sp. p. 2038; Dr. p. 428; Gaz. vol. 135; p. 367.
- Williams, J. M., Pittsburg, Pa. Alarm for boilers. No. 885,413; Apr. 21; Sp. p. 3600; Dr. p. 755; Gaz. vol. 133; p. 1822.
- Williams, J. P., New Orleans, La. Combined track and roller support for freight-car doors. No. 881,756; Mar. 10; Sp. p. 2510; Dr. p. 541; Gaz. vol. 133; p. 448.
- Williams, J. P., Boston, Mass. Chair-bottom clip. No. 900,247; Oct. 6; Sp. p. 357; Dr. p. 74; Gaz. vol. 136; p. 1131.
- Williams, J. R. (See Hamilton and Williams.)
- Williams, J. R., Provincetown, Mass. Fish-trap. No. 885,412; Apr. 21; Sp. p. 3599; Dr. p. 754; Gaz. vol. 133; p. 1821.
- Williams, J. R., Milwaukee, Wis. Catch-basin and trap. No. 901,859; Oct. 20; Sp. p. 3747; Dr. p. 762; Gaz. vol. 136; p. 1720.
- Williams, J. R., Milwaukee, Wis. Waste overflow and trap. No. 907,211; Dec. 15; Sp. p. 4066; Gaz. vol. 137; p. 1750.
- Williams, J. R., Milwaukee, Wis. Pipe-bender. No. 907,210; Dec. 22; Sp. p. 4065; Gaz. vol. 137; p. 1750.
- Williams, J. R., assignor to National Stamp Vending Machine Company, Fayetteville, N. C. Continuous sales-strip. No. 895,527; Aug. 11; Sp. p. 1511; Dr. p. 320; Gaz. vol. 135; p. 1168.
- Williams, J. S., Hurley, S. D. Sponge-holder. No. 880,260; Feb. 25; Sp. p. 4894; Dr. p. 1035; Gaz. vol. 132; p. 1731.
- Williams, J. S., Hurley, S. D. Wheel-washer. No. 880,261; Feb. 25; Sp. p. 4895; Dr. p. 1035; Gaz. vol. 132; p. 1731.
- Williams, J. S., Hurley, S. D. Jack for raising vehicles. No. 885,208; Apr. 21; Sp. p. 3188; Dr. p. 666; Gaz. vol. 133; p. 1754.
- Williams, J. S., Commerce, Tex. Cotton-chopper. No. 881,274; Mar. 10; Sp. p. 1571; Dr. p. 336; Gaz. vol. 133; p. 294.
- Williams, L. (See Sands, Palecek, and Williams.)
- Williams, L. E., Fremont, assignor of one-half to W. K. Smith, Tiffin, Ohio. Poultry and meat carver. No. 908,368; Dec. 29; Sp. p. 6492; Gaz. vol. 137; p. 2167.
- Williams, L. N. D. (See Scott, R. W., assignor.)
- Williams, L. N. D., *et al.* (See Scott and Swinglehurst, assignors.)
- Williams, L. P., and J. M. Falls, Louisville, Ky., assignors to Louisville Filler Company. Bottle-filling machine. No. 892,483; July 7; Sp. p. 177; Dr. pp. 37-8; Gaz. vol. 135; p. 35.
- Williams, L. Y., *et al.* (See Good, E., assignor.)
- Williams, L. Y., *et al.* (See Miller and Rakestraw, assignors.)
- Williams, L. Y., Toledo, Ohio. Fish-hook. No. 893,046; July 14; Sp. p. 1346; Dr. p. 284; Gaz. vol. 135; p. 249.
- Williams, M. A. (See Harris and Williams.)
- Williams, M. C., Gary, Ind. Railway-tie. No. 899,643; Sept. 29; Sp. p. 4759; Dr. p. 1018; Gaz. vol. 136; p. 904.
- Williams, M. F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Shredding-machine. No. 877,689; Jan. 28; Sp. p. 4109; Dr. p. 889; Gaz. vol. 132; p. 755.
- Williams, M. F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Shredding-machine. No. 877,690; Jan. 28; Sp. p. 4112; Dr. p. 890; Gaz. vol. 132; p. 756.
- Williams, M. F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Crusher and pulverizer. No. 877,876; Jan. 28; Sp. p. 4442; Dr. p. 968; Gaz. vol. 132; p. 814.
- Williams, M. F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Feed-regulator. No. 878,847; Feb. 11; Sp. p. 1995; Dr. p. 413; Gaz. vol. 132; p. 1196.
- Williams, M. F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Crusher and pulverizer. No. 878,921; Feb. 11; Sp. p. 2140; Dr. p. 447; Gaz. vol. 132; p. 1219.
- Williams, M. F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Crusher and pulverizer. No. 904,907; Nov. 24; Sp. p. 4901; Gaz. vol. 137; p. 875.
- Williams, M. F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Hammer or beater for crushers and pulverizers. No. 904,908; Nov. 24; Sp. p. 4902; Gaz. vol. 137; p. 875.
- Williams, M. F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Crusher and pulverizer. No. 904,909; Nov. 24; Sp. p. 4903; Gaz. vol. 137; p. 876.
- Williams, M. F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Hammer for shredding-machines. No. 906,346; Dec. 8; Sp. p. 2413; Gaz. vol. 137; p. 1414.
- Williams, M. H. (See Norris, W., assignor.)
- Williams, M. L., Philadelphia, Pa. Carbureter. No. 876,287; Jan. 7; Sp. p. 1180; Dr. p. 257; Gaz. vol. 132; p. 199.
- Williams, M. L., South Bend, Ind. Vehicle-wheel. No. 887,562; May 12; Sp. p. 2513; Dr. p. 529; Gaz. vol. 134; p. 433.
- Williams, M. L., South Bend, Ind. Friction-clutch. No. 902,515; Oct. 27; Sp. p. 5145; Dr. p. 1042; Gaz. vol. 136; p. 1966.
- Williams, M. L., South Bend, Ind. Vehicle-wheel. No. 903,256; Nov. 10; Sp. p. 1450; Gaz. vol. 137; p. 267.
- Williams, M. L., South Bend, Ind. Running-gear for automobiles. No. 906,481; Dec. 8; Sp. p. 2647; Gaz. vol. 137; p. 1457.
- Williams, M. L., Tacoma, Wash. Folding lantern. No. 902,036; Oct. 27; Sp. p. 4126; Dr. p. 835; Gaz. vol. 136; p. 1808.
- Williams, P. E., Paris, Tex. Seed-planter. No. 889,285; June 2; Sp. p. 182; Dr. p. 45; Gaz. vol. 134; p. 1087.
- Williams, P. E., Savannah, Ga. Piston-packing. No. 894,091; July 21; Sp. p. 3572; Dr. p. 735; Gaz. vol. 135; p. 623.
- Williams, P. E., Savannah, Ga. Dental blower. No. 900,812; Oct. 13; Sp. p. 1587; Dr. p. 321; Gaz. vol. 136; p. 1344.
- Williams, P. M. (See Alford, F. G., assignor.)
- Williams Patent Crusher and Pulverizer Company. (See Williams, M. F., assignor.)
- Williams, R. N., Jr., Baltimore, Md. Clay-excavator. No. 898,079; Sept. 8; Sp. p. 1735; Dr. pp. 368-9; Gaz. vol. 136; p. 304.
- Williams, S. S., Providence, R. I. Apparatus for use in treating wood. No. 904,589; Nov. 24; Sp. p. 4222; Gaz. vol. 137; p. 769.
- Williams, S. T. (See Wegner, W. F., assignor.)
- Williams & Staff, S. T. (See McSheehy, B. E., assignor.)
- Williams, T. D., and W. Greenwood, Oldham, England. Underclearer or "fuker" for spinning and twisting machines. No. 895,131; Aug. 4; Sp. p. 711; Dr. p. 148; Gaz. vol. 135; p. 1012.
- Williams, T. F. (See Clark, J. M., 3d, assignor.)
- Williams, T. H., Hood River, Oreg. Loaf-maker for bread. No. 901,577; Oct. 20; Sp. p. 3166; Dr. p. 645; Gaz. vol. 136; p. 1629.
- Williams Typewriter Company. (See Secor, J. B., assignor.)
- Williams, V. A., Sedalia, Mo. Disinfecting apparatus. No. 895,221; Aug. 4; Sp. p. 893; Dr. p. 187; Gaz. vol. 135; p. 1043.
- Williams, W., Detroit, Mich. Match-box. No. 897,693; Sept. 1; Sp. p. 916; Dr. p. 195; Gaz. vol. 136; p. 147.
- Williams, W. A., *et al.* (See McPherson, J., assignor.)
- Williams, W. A., Lexington, Okla. Doubletree and line-holder. No. 895,927; Aug. 11; Sp. p. 2295; Dr. p. 490; Gaz. vol. 135; p. 1296.
- Williams, W. B. (See Mullin and Williams.)
- Williams, W. D., Kirkland, Ariz. Ter. Rail-joint. No. 883,601; Mar. 31; Sp. p. 6224; Dr. p. 1327; Gaz. vol. 133; p. 1139.
- Williams, W. E., *et al.* (See Clemons, M. C., assignor.)
- Williams, W. E., Chicago, Ill. Shredding-machine. No. 878,262; Feb. 4; Sp. p. 759; Dr. p. 153; Gaz. vol. 132; p. 970.
- Williams, W. E., Chicago, Ill. Biscuit-baking appliance. No. 896,964; Aug. 25; Sp. p. 4421; Dr. p. 945; Gaz. vol. 135; p. 1678.

Alphabetical list of patentees—Continued.

- Williams, W. E., Chicago, Ill. Preparing food materials for use. No. 897,181; Aug. 25; Sp. p. 4843; Gaz. vol. 135; p. 1749.
- Williams, W. E., Chicago, Ill. Shredded-wheat biscuit. No. 897,182; Aug. 25; Sp. p. 4844; Dr. p. 1030; Gaz. vol. 135; p. 1749.
- Williams, W. E., Chicago, Ill., assignor to Diamond Match Company, New York, N. Y. Match-machine. No. 876,921; Jan. 14; Sp. p. 2505; Dr. pp. 546-51; Gaz. vol. 132; p. 440.
- Williams, W. E., assignor of one-half to W. Bryant, Massillon, Ohio. Dilator and applicator. No. 899,477; Sept. 22; Sp. p. 4385; Dr. p. 941; Gaz. vol. 136; p. 812.
- Williams, W. E., and J. Grant, assignors to Auto Machine Works Company, Chicago, Ill. Metal wheel. No. 886,565; May 5; Sp. p. 437; Dr. p. 93; Gaz. vol. 134; p. 80.
- Williams, W. H. (See Cain and Williams.)
- Williams, W. H., Mansfield, Ohio. Manufacture of rail-bonds. No. 904,663; Nov. 24; Sp. p. 4372; Gaz. vol. 137; p. 794.
- Williams, W. J., Albany, N. Y. Apparatus for regulating the voltage of an electric current. No. 907,931; Dec. 29; Sp. p. 5569; Gaz. vol. 137; p. 2019.
- Williams, W. J., Carrick, assignor of one-half to E. E. Schellhase, Uniontown, Pa. Pipe. No. 882,281; Mar. 17; Sp. p. 3595; Dr. p. 762; Gaz. vol. 133; p. 648.
- Williams, W. K., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Show-case. No. 884,549; Apr. 14; Sp. p. 1785; Dr. p. 384; Gaz. vol. 133; p. 1507.
- Williams, W. L. G., Paget, Clermont, Bermuda. Guide for molding-machines. No. 882,440; Mar. 17; Sp. p. 3868; Dr. p. 826; Gaz. vol. 133; p. 699.
- Williams, W. R., Salt Lake City, Utah. Wrapping-machine. No. 882,659; Mar. 24; Sp. p. 4310; Dr. p. 915; Gaz. vol. 133; p. 805.
- Williams, W. S., assignor of two-thirds to W. Hastings and C. W. Pifer, Clinton, Ill. Grain-door for cars. No. 890,002; June 9; Sp. p. 1613; Dr. p. 360; Gaz. vol. 134; p. 1345.
- Williams, White and Company. (See Freeland, G. W., assignor.)
- Williamson, D. C., New York, N. Y. Removing sludge from sedimentation basins and reservoirs. No. 908,058; Dec. 29; Sp. p. 5832; Gaz. vol. 137; p. 2061.
- Williamson, F. E., Glasco, Kans. Stock-watering device. No. 901,860; Oct. 20; Sp. p. 3748; Dr. p. 762; Gaz. vol. 136; p. 1720.
- Williamson, G. F., Savannah, Ga. Still for extracting turpentine from gum and rosin. No. 878,701; Feb. 11; Sp. p. 1720; Dr. pp. 355-6; Gaz. vol. 132; p. 1149.
- Williamson, H. C., New York, N. Y. Push-button switch. No. 878,586; Feb. 11; Sp. p. 1502; Dr. p. 305; Gaz. vol. 132; p. 1112.
- Williamson, H. C., New York, N. Y. Rotary snap-switch. No. 893,688; July 21; Sp. p. 2656; Dr. p. 558; Gaz. vol. 135; p. 488.
- Williamson, J. (See Sweetman, W. D., assignor.)
- Williamson, J., Chicago, Ill. Fire-grate. No. 899,442; Sept. 22; Sp. p. 4320; Dr. pp. 928-9; Gaz. vol. 136; p. 800.
- Williamson, J. B., assignor to Sliding Cap Company, Louisville, Ky. Condiment-holder. No. 905,261; Dec. 1; Sp. p. 273; Gaz. vol. 137; p. 1030.
- Williamson, J. F., *et al.* (See Pearson, J., assignor.)
- Williamson, J. M., Moundsville, W. Va. Base-board heater. No. 898,616; Sept. 15; Sp. p. 2768; Dr. p. 591; Gaz. vol. 136; p. 507.
- Williamson, R., Buffalo, Kans. Beehive. No. 896,498; Aug. 13; Sp. p. 3430; Dr. p. 738; Gaz. vol. 135; p. 1503.
- Williamson, R. B., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 891,316; June 23; Sp. p. 4319; Dr. p. 942; Gaz. vol. 134; p. 1840.
- Williamson, W., and J. Collinson, Manchester, England. Weft-replenishing mechanism for looms. No. 899,586; Sept. 29; Sp. p. 4633; Dr. p. 994; Gaz. vol. 136; p. 886.
- Williamson, W. C., New York, N. Y. Shock-absorber for vehicles. No. 884,967; Apr. 14; Sp. p. 2655; Dr. p. 565; Gaz. vol. 133; p. 1642.
- Williamson, W. J., and J. P. Klinehaw, Aliquippa, Pa. Roller-skate. No. 893,291; July 14; Sp. p. 1825; Dr. p. 383; Gaz. vol. 135; p. 329.
- Williamson, Z. E., Sheffield, Ill. Railway-signal. No. 895,061; Aug. 4; Sp. p. 572; Dr. p. 118; Gaz. vol. 135; p. 989.
- Williamson, Z. E., Sheffield, Ill. Corn-crib. No. 903,934; Nov. 17; Sp. p. 2857; Gaz. vol. 137; p. 521.
- Williamson, Sport Staple Company. (See Buerger, W. L., assignor.)
- Willimak, F., Snohomish, Wash. Automatic catch. No. 905,262; Dec. 1; Sp. p. 276; Gaz. vol. 137; p. 1030.
- Willmann, A., and P. Hecht, Gossau, Switzerland. Sack cleaning and turning apparatus. No. 884,449; Apr. 14; Sp. p. 1577; Dr. pp. 339-40; Gaz. vol. 133; p. 1475.
- Willinger, M., New York, N. Y. Scrap-book, &c. No. 887,448; May 12; Sp. p. 2280; Dr. pp. 478-9; Gaz. vol. 134; p. 395.
- Willis, C. A., assignor of one-half to C. E. Creager, Washington, D. C., and A. B. Appler, Albany, N. Y. Mail-pouch-delivering apparatus. No. 882,223; Mar. 17; Sp. p. 3472; Dr. p. 738; Gaz. vol. 133; p. 627.
- Willis, C. A., assignor of one-half to C. F. Creager, Washington, D. C., and A. B. Appler, Albany, N. Y. Mail-pouch-delivering apparatus. No. 886,334; Apr. 28; Sp. p. 5489; Dr. p. 1149; Gaz. vol. 133; p. 2152.
- Willis, G. M. (See Sayles, H. W., assignor.)
- Willis, G. M., Chicago, Ill. Circuit-controlling mechanism. No. 891,893; June 30; Sp. p. 5518; Dr. pp. 1191-2; Gaz. vol. 134; p. 2063.
- Willis, G. R., Franklin, Pa., assignor to Colburn Machine Tool Company. Change-speed gear. No. 892,107; June 30; Sp. p. 5922; Dr. p. 1277; Gaz. vol. 134; p. 2131.
- Willis, J. A., Palmer, Oreg. Liquid-fuel burner. No. 894,993; Aug. 4; Sp. p. 441; Dr. p. 90; Gaz. vol. 135; p. 966.
- Willis, J. C., Herkimer, N. Y. Cleaning device. No. 901,272; Oct. 13; Sp. p. 2472; Dr. p. 507; Gaz. vol. 136; p. 1490.
- Willis, J. F., Sherman, Tex. Hame-hook. No. 905,968; Dec. 8; Sp. p. 1679; Gaz. vol. 137; p. 1289.
- Willis, J. P. (See Gething, A., assignor.)
- Willis, J. W. (See Hestand and Willis.)
- Willis, L., assignor to Bateman Manufacturing Company, Grenloch, N. J. Plant-marker. No. 901,137; Oct. 13; Sp. p. 2225; Dr. p. 453; Gaz. vol. 136; p. 1447.
- Willis, L., assignor to Bateman Manufacturing Company, Grenloch, N. J. Duplex pump. No. 901,138; Oct. 13; Sp. p. 2227; Dr. p. 453; Gaz. vol. 136; p. 1447.
- Willis, P. E. (See Jolly and Willis.)
- Willits, W. A. (See Palmer and Willits.)
- Willms, C., assignor to Willms Sanitary Works, Incorporated, Baltimore, Md. Flushing-tank. No. 894,092; July 21; Sp. p. 3573; Dr. p. 736; Gaz. vol. 135; p. 623.
- Willms, M. J. (See Halbrook and Willms.)
- Willms Sanitary Works. (See Willms, C., assignor.)
- Willner, G. J., Chicago, Ill. Attachment for display-racks. No. 906,347; Dec. 8; Sp. p. 2414; Gaz. vol. 137; p. 1414.
- Willner, K., Görlitz, Germany. Arrangement for tightening piston-rings. No. 891,317; June 23; Sp. p. 4321; Dr. p. 943; Gaz. vol. 134; p. 1840.
- Willner, S., Chicago, Ill. Apparatus for injecting chemicals into logs. No. 896,785; Aug. 25; Sp. p. 4012; Dr. p. 863; Gaz. vol. 135; p. 1618.
- Willot, M. A., Roubais, France. Surgical bandage. No. 887,886; May 19; Sp. p. 3163; Dr. p. 665; Gaz. vol. 134; p. 569.
- Willoughby, E. (See Liscom, H. H., assignor.)
- Willoughby, V., Jeffersonville, Ind. Detachable jaw for car-brake rods. No. 883,997; Apr. 7; Sp. p. 669; Dr. p. 134; Gaz. vol. 133; p. 1298.
- Willis, E. B., Mendota, Ill. Submerged tank-heater. No. 908,182; Dec. 29; Sp. p. 6098; Gaz. vol. 137; p. 2103.
- Wilson, E. C., Tillamook, Oreg. Feed-water-heating grate. No. 883,602; Mar. 31; Sp. p. 6225; Dr. p. 1327; Gaz. vol. 133; p. 1140.
- Wilson, F. R., Jr., Worthington, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Car-loading apparatus. No. 877,539; Jan. 23; Sp. p. 3809; Dr. p. 824; Gaz. vol. 132; p. 707.
- Wilson, F. R., Jr., Worthington, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Conveyor. No. 878,170; Feb. 4; Sp. p. 580; Dr. pp. 118-19; Gaz. vol. 132; p. 940.
- Wilson, F. R., Jr., Worthington, Ohio, assignor, by mesne assignments, to Jeffrey Manufacturing Company. Steam-tipple. No. 890,321; June 9; Sp. p. 2294; Dr. p. 506; Gaz. vol. 134; p. 1451.
- Wilson, F. R., Jr., Worthington, Ohio, assignor to Jeffrey Manufacturing Company. System of mine-trackage. No. 900,903; Oct. 13; Sp. p. 1773; Dr. p. 359; Gaz. vol. 136; p. 1372.
- Wilson, T. L., Ottawa, Ontario, Canada. Fog signaling apparatus. No. 882,039; Mar. 17; Sp. p. 3131; Dr. p. 665; Gaz. vol. 133; p. 569.
- Wilson, T. L., Ottawa, Ontario, Canada. Gas-burner. No. 887,297; May 12; Sp. p. 1958; Dr. p. 412; Gaz. vol. 134; p. 344.
- Wilson, T. L., Ottawa, Ontario, Canada. Party-line telephone system. No. 887,887; May 19; Sp. p. 3164; Dr. p. 666; Gaz. vol. 134; p. 570.
- Wilson, T. L., Ottawa, Ontario, Canada. Apparatus for producing a sound-signal. No. 906,979; Dec. 15; Sp. p. 3584; Gaz. vol. 137; p. 1639.
- Wilson, T. L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to United States Marine Signal Company, Jersey City, N. J. Buoy. No. 875,875; Jan. 7; Sp. p. 368; Dr. pp. 81-2; Gaz. vol. 132; p. 68.
- Willy, J. J. (See Steele and Willy.)
- Wilmore, J. T., Denver, Colo. Can-cap-placing apparatus. No. 882,728; Mar. 24; Sp. p. 4445; Dr. pp. 945-6; Gaz. vol. 133; p. 827.
- Wilmore, J. T., Denver, Colo. Means for turning and arranging can-caps and other closures. No. 887,298; May 12; Sp. p. 1960; Dr. p. 412; Gaz. vol. 134; p. 344.
- Wilmot, G., Jr., Detroit, Mich. Tire-armor. No. 895,821; Aug. 11; Sp. p. 2098; Dr. p. 445; Gaz. vol. 133; p. 1262.

Alphabetical list of patentees—Continued.

- Wilmot, J. F., Detroit, Mich. Sectional knockdown cabinet. No. 884,550; Apr. 14; Sp. p. 1786; Dr. p. 384; Gaz. vol. 133; p. 1508.
- Wilmot, J. F., Detroit, Mich. Knockdown case. No. 887,369; May 12; Sp. p. 2103; Dr. p. 441; Gaz. vol. 134; p. 368.
- Wilner, E. R., New York, N. Y. Inverted gas-lamp. No. 882,222; Mar. 17; Sp. p. 3471; Dr. p. 738; Gaz. vol. 133; p. 627.
- Wilshusen, H., Stafford, Kans. Lister-cultivator. No. 898,162; Sept. 8; Sp. p. 1894; Dr. p. 405; Gaz. vol. 136; p. 329.
- Wilson, A. B., assignor of one-half to G. T. Breen, St. Louis, Mo. Light-fixture. No. 897,947; Sept. 8; Sp. p. 1470; Dr. pp. 312-13; Gaz. vol. 136; p. 262.
- Wilson, A. E., Newlands, Glasgow, Scotland. Teapot. No. 898,713; Sept. 15; Sp. p. 2957; Dr. p. 634; Gaz. vol. 136; p. 538.
- Wilson, A. F. and E. L., and I. M. Southwick, Medo, Minn. Transmission mechanism. No. 898,025; Sept. 8; Sp. p. 1633; Dr. p. 348; Gaz. vol. 136; p. 287.
- Wilson, A. G., *et al.* (See White, C. P., assignor.)
- Wilson, A. G., Wilkinsburg, assignor to Union Switch and Signal Company, Swissvale, Pa. Switch for charging and discharging storage batteries. No. 901,509; Oct. 20; Sp. p. 3035; Dr. p. 620; Gaz. vol. 136; p. 1607.
- Wilson, A. G., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Electric terminal post. No. 905,969; Dec. 8; Sp. p. 1681; Gaz. vol. 137; p. 1290.
- Wilson, A. H., assignor of one-half to D. Pryor, Loogootee, Ill. Wheelwright-machine. No. 898,811; Sept. 15; Sp. p. 3135; Dr. pp. 671-2; Gaz. vol. 136; p. 570.
- Wilson, A. J., Westfield, N. J., assignor to Hall Signal Company. Signal or switch apparatus and signaling system. No. 887,169; May 12; Sp. p. 1632; Dr. pp. 347-8; Gaz. vol. 134; p. 301.
- Wilson, A. V., Bar Harbor, Me. Flying-machine. No. 897,504; Sept. 1; Sp. p. 537; Dr. pp. 114-15; Gaz. vol. 136; p. 86.
- Wilson, C., Hackettstown, N. J. Fire alarm and extinguisher. No. 898,295; Sept. 8; Sp. p. 2141; Dr. p. 455; Gaz. vol. 136; p. 370.
- Wilson, C. E., Ferris, W. Va. Electric furnace. No. 881,517; Mar. 10; Sp. p. 2039; Dr. p. 445; Gaz. vol. 133; p. 371.
- Wilson, C. E., Ferris, W. Va. Electric furnace. No. 881,518; Mar. 10; Sp. p. 2041; Dr. p. 446; Gaz. vol. 133; p. 371.
- Wilson, C. E., Ferris, W. Va. Electrode-holder for electric smelting-furnaces. No. 881,519; Mar. 10; Sp. p. 2043; Dr. pp. 446-7; Gaz. vol. 133; p. 372.
- Wilson, C. E., Ferris, W. Va. Sectional electrode for electric furnaces. No. 881,520; Mar. 10; Sp. p. 2045; Dr. p. 447; Gaz. vol. 133; p. 372.
- Wilson, C. E., Philadelphia, Pa. Electric cable. No. 886,566; May 5; Sp. p. 438; Dr. p. 93; Gaz. vol. 134; p. 81.
- Wilson, C. E., assignor to Keystone Telephone Company of Philadelphia, Philadelphia, Pa. Telephone-switchboard. No. 899,278; Sept. 22; Sp. p. 4042; Dr. p. 864; Gaz. vol. 136; p. 750.
- Wilson, C. H., Red Oak, Iowa, assignor of one-half to J. Gilligan, Falls City, Nebr. Construction of buildings. No. 882,482; Mar. 17; Sp. p. 3940; Dr. p. 842; Gaz. vol. 133; p. 713.
- Wilson, C. J., Montreal, Quebec, Canada. Ventilating system. No. 903,935; Nov. 17; Sp. p. 2859; Gaz. vol. 137; p. 521.
- Wilson Company. (See Wilson and Harris, assignors.)
- Wilson, D., *et al.* (See Wilson, G. W., assignor.)
- Wilson, D. A., New Haven, Conn. Inking mechanism for rotary lithographic presses. No. 892,700; July 7; Sp. p. 596; Dr. p. 129; Gaz. vol. 135; p. 105.
- Wilson, D. K., Waterloo, Iowa. Manure-spreader. No. 903,123; Nov. 3; Sp. p. 1177; Gaz. vol. 137; p. 192.
- Wilson, D. K., assignor to William Galloway Company, Waterloo, Iowa. Manure-spreader. No. 883,268; Mar. 31; Sp. p. 5543; Dr. p. 1182; Gaz. vol. 133; p. 1035.
- Wilson, D. K., assignor to William Galloway Company, Waterloo, Iowa. Manure-spreader. No. 883,270; Mar. 31; Sp. p. 5547; Dr. p. 1183; Gaz. vol. 133; p. 1035.
- Wilson, D. K., and C. C. Butler, assignors to William Galloway Company, Waterloo, Iowa. Manure-spreader. No. 907,932; Dec. 29; Sp. p. 5572; Gaz. vol. 137; p. 2019.
- Wilson, D. K., and E. Buswell, assignors to William Galloway Company, Waterloo, Iowa. Manure-spreader. No. 883,269; Mar. 31; Sp. p. 5544; Dr. p. 1183; Gaz. vol. 133; p. 1035.
- Wilson, D. T. (See Boyle, J., assignor.)
- Wilson, D. W., Pittsburg, Pa. Window sash and frame. No. 908,183; Dec. 29; Sp. p. 6099; Gaz. vol. 137; p. 2104.
- Wilson, E., Philadelphia, Pa. Shoe brush or polisher. No. 896,676; Aug. 18; Sp. p. 3762; Dr. pp. 812-13; Gaz. vol. 135; p. 1558.
- Wilson, E. A., Niles, Ohio. Metal structure. No. 876,124; Jan. 7; Sp. p. 854; Dr. p. 183; Gaz. vol. 132; p. 146.
- Wilson, E. M. (See Thibodeau and Harris, assignors.)
- Wilson, E. W. (See Hamlin, C. S., assignor.)
- Wilson, F. E., Cleveland, Ohio. Garment-fastener. No. 882,087; Mar. 17; Sp. p. 3223; Dr. p. 185; Gaz. vol. 133; p. 586.
- Wilson, F. E., Cleveland, Ohio. Garment-fastener. No. 882,483; Mar. 17; Sp. p. 3942; Dr. p. 848; Gaz. vol. 133; p. 713.
- Wilson, F. K., Coatesville, Pa., assignor of one-half to H. K. Fort, West Haddonfield, N. J. Amusement device. No. 880,769; Mar. 3; Sp. p. 566; Dr. pp. 120-1; Gaz. vol. 133; p. 98.
- Wilson, G., Sharrow, Sheffield, England. Rotary pump. No. 883,271; Mar. 31; Sp. p. 5548; Dr. p. 1184; Gaz. vol. 133; p. 1035.
- Wilson, G. B., Columbus, Ohio. Clothes-washer. No. 904,242; Nov. 17; Sp. p. 3502; Gaz. vol. 137; p. 626.
- Wilson, G. E., and W. J. Frawley, Stillwater, Minn. Intercepting-valve. No. 888,375; May 19; Sp. p. 4080; Dr. pp. 860-1; Gaz. vol. 134; p. 726.
- Wilson, G. H., Louisville, Ky. Artificial ear-drum. No. 887,563; May 12; Sp. p. 2515; Dr. p. 530; Gaz. vol. 134; p. 433.
- Wilson, G. H., assignor of one-half to W. A. Moon, Chanute, Kans. Train safety cut-out valve. No. 894,093; July 21; Sp. p. 3575; Dr. p. 736; Gaz. vol. 135; p. 623.
- Wilson, G. L. (See Dillon, J. A., assignor.)
- Wilson, G. M., Los Angeles, Cal. Shock-absorber. No. 877,391; Jan. 21; Sp. p. 3495; Dr. p. 758; Gaz. vol. 132; p. 637.
- Wilson, G. M., Los Angeles, Cal. Wave-motor. No. 879,992; Feb. 25; Sp. p. 4346; Dr. p. 911; Gaz. vol. 132; p. 1641.
- Wilson, G. M., Los Angeles, Cal. Roller-clutch. No. 879,993; Feb. 25; Sp. p. 4348; Dr. p. 911; Gaz. vol. 132; p. 1642.
- Wilson, G. N., Philadelphia, Pa. Reinforcing-bar. No. 890,545; June 9; Sp. p. 2704; Dr. p. 596; Gaz. vol. 134; p. 1522.
- Wilson, G. T., Wellington, New Zealand. Railway fish-plate. No. 879,935; Feb. 25; Sp. p. 4249; Dr. p. 888; Gaz. vol. 132; p. 1624.
- Wilson, G. W., assignor of two-thirds to F. M. Malone and D. Wilson, Cayuga, Ind. Engine. No. 876,890; Jan. 14; Sp. p. 2441; Dr. p. 532; Gaz. vol. 132; p. 430.
- Wilson, H., and R. B. MacFarland, Conneaut, Ohio. Stretcher. No. 899,279; Sept. 22; Sp. p. 4044; Dr. p. 864; Gaz. vol. 136; p. 750.
- Wilson, H. C., New York, N. Y. Garment-support. No. 902,634; Nov. 3; Sp. p. 203; Gaz. vol. 137; p. 34.
- Wilson-Hoyt Company. (See Wilson, J., assignor.)
- Wilson, J., Rochester, N. Y. Mold. No. 903,038; Nov. 3; Sp. p. 1022; Gaz. vol. 137; p. 167.
- Wilson, J., Belmont, assignor to Randall-Faichney Company, Boston, Mass. Syringe. No. 880,433; Feb. 25; Sp. p. 5247; Dr. p. 1103; Gaz. vol. 132; p. 1787.
- Wilson, J., assignor to Wilson-Hoyt Company, Short Hills, N. J. Greenhouse-bench. No. 889,349; June 2; Sp. p. 302; Dr. p. 71; Gaz. vol. 134; p. 1107.
- Wilson, J. A., Chicago, Ill. Shower-valve and valve-box. No. 893,770; July 21; Sp. p. 2908; Dr. p. 596; Gaz. vol. 135; p. 516.
- Wilson, J. A., Columbus, Kans. Bedstead. No. 906,348; Dec. 8; Sp. p. 2416; Gaz. vol. 137; p. 1415.
- Wilson, J. A., Minneapolis, Minn. Tourist's money-case. No. 906,596; Dec. 15; Sp. p. 2860; Gaz. vol. 137; p. 1518.
- Wilson, J. A., Westfield, N. J., assignor to Hall Signal Company, New York, N. Y. Signaling-circuit for railways. No. 880,770; Mar. 3; Sp. p. 570; Dr. p. 121; Gaz. vol. 133; p. 98.
- Wilson, J. A., Westfield, N. J., assignor to Hall Signal Company, New York, N. Y. Railway signaling system. No. 880,851; Mar. 3; Sp. p. 746; Dr. pp. 158-9; Gaz. vol. 133; p. 126.
- Wilson, J. C. (See Sheridan, A. J., assignor.)
- Wilson, J. G. (See Elliott and Wilson.)
- Wilson, J. G., Larchmont, N. Y. Rolling shutter. No. 888,862; May 26; Sp. p. 5115; Dr. p. 1090; Gaz. vol. 134; p. 918.
- Wilson, J. M., Seneca, Nebr. Counterbalancing attachment for pumps. No. 890,389; June 9; Sp. p. 2415; Dr. p. 533; Gaz. vol. 134; p. 1472.
- Wilson, J. M., Montclair, N. J., and H. A. Harris, Long Island City, assignors to Wilson Company, New York, N. Y. Paint and varnish remover. No. 890,479; June 9; Sp. p. 2576; Gaz. vol. 134; p. 1500.
- Wilson, J. R., and F. R. Thackrah, Benoni, Transvaal. Rock-drill. No. 903,936; Nov. 17; Sp. p. 2861; Gaz. vol. 137; p. 322.
- Wilson, J. S. (See Berg, C. O., assignor.)
- Wilson, J. S. (See Harris, W. W., assignor.)
- Wilson, J. S., Scranton, Pa. Sectional culm. No. 878,441; Feb. 4; Sp. p. 1090; Dr. p. 222; Gaz. vol. 132; p. 1028.
- Wilson, J. S., Chelsea, Mass. Flexible conduit. No. 880,850; Mar. 3; Sp. p. 745; Dr. p. 158; Gaz. vol. 133; p. 126.
- Wilson, J. T., *et al.* (See Heck, J. D., assignor.)
- Wilson, J. T., Jersey Shore, Pa. Packing for piston-valves and pistons. No. 898,541; Sept. 15; Sp. p. 2629; Dr. p. 562; Gaz. vol. 136; p. 483.
- Wilson, J. T., Jersey Shore, Pa. Packing for pistons and piston-rods. No. 898,617; Sept. 15; Sp. p. 2771; Dr. p. 592; Gaz. vol. 136; p. 508.
- Wilson, J. T., Jersey Shore, Pa. Semi-plug piston-valve and piston. No. 904,391; Nov. 17; Sp. p. 3791; Gaz. vol. 137; p. 676.

Alphabetical list of patentees—Continued.

- Wilson, J. V., assignor to Interstate Shirt and Collar Company, Troy, N. Y. Shirt. No. 890,003; June 9; Sp. p. 1614; Dr. p. 361; Gaz. vol. 134; p. 1345.
- Wilson, J. W., New York, N. Y. Positive-pressure blower. No. 888,565; May 26; Sp. p. 4488; Dr. p. 950-1; Gaz. vol. 134; p. 822.
- Wilson, K. R., Arcade, N. Y. Cooling means for engines. No. 879,230; Feb. 18; Sp. p. 2739; Dr. p. 572; Gaz. vol. 132; p. 1559.
- Wilson, L. B. (See Wilson, M. H. and L. B.)
- Wilson, L. C. (See Ryder and Wilson.)
- Wilson, M., Garrison, Iowa. Traction-wheel. No. 877,152; Jan. 21; Sp. p. 3028; Dr. p. 655; Gaz. vol. 132; p. 559.
- Wilson, M. C., New Orleans, La. Garment-fastening. No. 893,215; July 14; Sp. p. 1674; Dr. p. 354; Gaz. vol. 135; p. 302.
- Wilson, M. C., New Haven, Conn. Trunk-lining. No. 898,026; Sept. 8; Sp. p. 1635; Dr. p. 348; Gaz. vol. 136; p. 287.
- Wilson, M. H. and L. B., Pittsburg, Pa. Egg case or carrier. No. 905,615; Dec. 1; Sp. p. 1009; Gaz. vol. 137; p. 1145.
- Wilson, M. I., Ohlman, Ill. Hay-press. No. 879,344; Feb. 18; Sp. p. 2959; Dr. p. 617; Gaz. vol. 132; p. 1395.
- Wilson, O., St. Edward, Nebr. Pipe and rod lifting tongs. No. 889,078; May 26; Sp. p. 5526; Dr. p. 1175; Gaz. vol. 134; p. 988.
- Wilson, P. O. (See Hain, V., assignor.)
- Wilson, R. F., Albany, N. Y. Assembler slide-brake for linotype-machines. No. 880,346; Feb. 25; Sp. p. 5052; Dr. p. 1067; Gaz. vol. 132; p. 1758.
- Wilson, R. G., Madison, N. C. Lister and fertilizer-distributor. No. 902,516; Oct. 27; Sp. p. 5147; Dr. pp. 1042-3; Gaz. vol. 136; p. 1967.
- Wilson, R. H., Ketchikan, Alaska. Automatic ejecting-penholder. No. 890,830; June 16; Sp. p. 3333; Dr. p. 730; Gaz. vol. 134; p. 1650.
- Wilson, R. L., Salina, Kans. Wheel-hub. No. 882,441; Mar. 17; Sp. p. 3869; Dr. p. 826; Gaz. vol. 133; p. 700.
- Wilson, R. M., San Francisco, Cal. Means for advancing dredgers. No. 879,345; Feb. 18; Sp. p. 2060; Dr. p. 618; Gaz. vol. 132; p. 1397.
- Wilson, R. M., San Francisco, Cal. Hoisting apparatus for dredgers and the like. No. 881,838; Mar. 10; Sp. p. 2670; Dr. pp. 571-2; Gaz. vol. 133; p. 474.
- Wilson, R. M., San Francisco, Cal. Means for utilizing waste power in dredges. No. 885,900; Apr. 28; Sp. p. 4582; Dr. p. 960; Gaz. vol. 133; p. 2007.
- Wilson, S. A., Petoskey, Mich. Truck. No. 886,284; Apr. 28; Sp. p. 5355; Dr. p. 1126; Gaz. vol. 133; p. 2134.
- Wilson, S. D., New York, N. Y. Carry-all. No. 892,969; July 7; Sp. p. 1159; Dr. p. 244; Gaz. vol. 135; p. 195.
- Wilson, S. G., Philadelphia, Pa. Mechanical chair. No. 881,521; Mar. 10; Sp. p. 2046; Dr. pp. 447-8; Gaz. vol. 133; p. 372.
- Wilson, S. G., Philadelphia, Pa. Mechanical chair. No. 900,813; Oct. 13; Sp. p. 1592; Dr. pp. 321-2; Gaz. vol. 136; p. 1344.
- Wilson, S. T., assignor of two-thirds to J. Carr and H. W. Sentz, Charleston, W. Va. Shaking-scourer. No. 888,678; May 26; Sp. p. 4737; Dr. p. 1006; Gaz. vol. 134; p. 860.
- Wilson, T. H., Brisbane, Queensland, Australia. Journal-bearing. No. 893,410; July 14; Sp. p. 2040; Dr. p. 428; Gaz. vol. 135; p. 367.
- Wilson, T. P. and W. W., Longbeach, Cal. Steering device for automobiles. No. 876,034; Jan. 7; Sp. p. 674; Dr. p. 145; Gaz. vol. 132; p. 116.
- Wilson, W., Yeadon, Pa. Milk pasteurizer and cooler. No. 879,346; Feb. 18; Sp. p. 2962; Dr. p. 618; Gaz. vol. 132; p. 1397.
- Wilson, W., Seattle, assignor of one-half to T. G. H. Grant, Wenatchee, Wash. Grain-drier. No. 884,696; Apr. 14; Sp. p. 2109; Dr. p. 450; Gaz. vol. 133; p. 1555.
- Wilson, W., Boston, Mass., assignor to Campbell Bosworth Machinery Company, Portland, Me. Welting attachment for sewing-machines. No. 886,025; Apr. 28; Sp. p. 4870; Dr. p. 1025; Gaz. vol. 133; p. 2049.
- Wilson, W., Boston, Mass., assignor to Campbell-Bosworth Machinery Company, Portland, Me. Binding attachment for sewing-machines. No. 886,567; May 5; Sp. p. 439; Dr. p. 94; Gaz. vol. 134; p. 81.
- Wilson, W., Boston, Mass., assignor to Campbell-Bosworth Machinery Company, Portland, Me. Angle-sewing attachment for sewing-machines. No. 886,568; May 5; Sp. p. 441; Dr. p. 94; Gaz. vol. 134; p. 81.
- Wilson, W. C., Livemore, Iowa. Wagon-body and hay-rack lifter. No. 906,349; Dec. 8; Sp. p. 2418; Gaz. vol. 137; p. 1415.
- Wilson, W. F., Jeannette, and C. K. Barnhart, McKees Rocks, Pa. Metallic tie and rail-joint. No. 898,810; Sept. 15; Sp. p. 3134; Dr. p. 671; Gaz. vol. 136; p. 569.
- Wilson, W. G., Denver, Colo. Air-compressor. No. 900,814; Oct. 13; Sp. p. 1594; Dr. p. 322; Gaz. vol. 136; p. 1345.
- Wilson, W. H., New York, N. Y. Necktie-support. No. 890,113; June 9; Sp. p. 1835; Dr. p. 405; Gaz. vol. 134; p. 1383.
- Wilson, W. I., Los Angeles, Cal. Extensible chandelier. No. 888,376; May 19; Sp. p. 4082; Dr. p. 861; Gaz. vol. 134; p. 726.
- Wilson, W. J., Osborne, Kans. Brush. No. 891,318; June 23; Sp. p. 4322; Dr. p. 943; Gaz. vol. 134; p. 1841.
- Wilson, W. J., Homestead, Pa. Metal railway-tie. No. 898,080; Sept. 8; Sp. p. 1738; Dr. p. 370; Gaz. vol. 136; p. 304.
- Wilson, W. L., assignor of sixty one-hundredths to E. C. McMeel, T. E. Canty, and W. Zimmerman, Delmar, Iowa. Automatic switch-lock. No. 905,777; Dec. 1; Sp. p. 1312; Gaz. vol. 137; p. 1198.
- Wilson, W. R., Saginaw, Mich. Order-holder. No. 897,332; Sept. 1; Sp. p. 160; Dr. p. 34; Gaz. vol. 136; p. 25.
- Wilson, W. R., Toronto, Ontario, Canada. Railway-rail. No. 903,937; Nov. 17; Sp. p. 2863; Gaz. vol. 137; p. 322.
- Wilson, W. W., *et al.* (See Heck, J. D., assignor.)
- Wilson, W. W. (See Wilson, T. P. and W. W.)
- Wilson, W. W., Dallas, Tex. Poultry-greaser. No. 882,985; Mar. 24; Sp. p. 4961; Dr. p. 1056; Gaz. vol. 133; p. 912.
- Wilson, W. W., Dallas, Tex. Canning apparatus. No. 892,638; July 7; Sp. p. 480; Dr. p. 102; Gaz. vol. 135; p. 85.
- Wilson, W. W., Dallas, Tex. Washboiler. No. 892,922; July 7; Sp. p. 1073; Dr. p. 225; Gaz. vol. 135; p. 178.
- Wilt, A., Pittsburg, Pa. Telephone-directory. No. 895,320; Aug. 4; Sp. p. 1102; Dr. p. 231; Gaz. vol. 135; p. 1076.
- Wilt, C. T. (See Wilt, C. T. and E. E., assignors.)
- Wilt, C. T. and E. E., assignors to C. T. Wilt, Chicago, Ill. Trunk. No. 880,058; Feb. 25; Sp. p. 4488; Dr. pp. 943-4; Gaz. vol. 132; p. 1663.
- Wilt, C. T. and E. E., assignors to C. T. Wilt, Chicago, Ill. Overhead suspending mechanism for motor-driven tools. No. 880,059; Feb. 25; Sp. p. 4493; Dr. p. 944; Gaz. vol. 132; p. 1663.
- Wilt, E. E. (See Wilt, C. T. and E. E.)
- Wilzin, A., Clichy, France, assignor to E. W. Bliss Co., Brooklyn, N. Y. Pressure-limiting device. No. 903,424; Nov. 10; Sp. p. 1770; Gaz. vol. 137; p. 322.
- Wimer, E., Crabbottom, Va. Sash-lock. No. 897,807; Sept. 1; Sp. p. 1155; Dr. p. 246; Gaz. vol. 136; p. 183.
- Wimmel, H., Frankfurt-on-the-Main, Germany. Diaper-cover. No. 881,640; Mar. 10; Sp. p. 2292; Dr. p. 497; Gaz. vol. 133; p. 412.
- Wimmer, H. S., Edna, Kans., assignor of one-third to W. L. Conneway. Combined weed cutter and puller. No. 905,039; Nov. 24; Sp. p. 5156; Gaz. vol. 137; p. 919.
- Wimmer, K. (See Meyer, Roselius, and Wimmer.)
- Wimmer, K. (See Meyer and Wimmer.)
- Wimmer, K. H. (See Meyer, Roselius, and Wimmer.)
- Wimmer, L., Elizabethport, assignor of two-thirds to S. Levenson, Elizabeth, and A. Marx, Newark, N. J. Leather-blackening machine. No. 883,438; Mar. 31; Sp. p. 5914; Dr. p. 1262; Gaz. vol. 133; p. 1091.
- Wimpee, G. C., Rome, Ga. Vehicle-wheel. No. 878,587; Feb. 11; Sp. p. 1504; Dr. p. 305; Gaz. vol. 132; p. 1112.
- Winand, P., Cologne, and H. Neumann, Bergisch-Gladbach, Germany. Operating combustion-engines. No. 885,820; Apr. 28; Sp. p. 4434; Dr. p. 931; Gaz. vol. 133; p. 1980.
- Winans, A., *et al.* (See Winans, L., assignor.)
- Winans, E. T., *et al.* (See Winans, L., assignor.)
- Winans, H. E., Upper Alton, Ill. Target-trap. No. 886,669; May 5; Sp. p. 655; Dr. pp. 136-7; Gaz. vol. 134; p. 113.
- Winans, H. E., and F. Sinnock, Newark, N. J. Spreader for shells. No. 875,762; Jan. 7; Sp. p. 164; Dr. p. 36; Gaz. vol. 132; p. 32.
- Winans, L., assignor of two-thirds to A. and E. T. Winans, Hood River, Oreg. Rail-joint supporter. No. 903,528; Nov. 10; Sp. p. 1990; Gaz. vol. 137; p. 357.
- Winans, T. J., assignor to "1900" Washer Company, Binghamton, N. Y. Washing-machine. No. 891,788; June 23; Sp. p. 5289; Dr. p. 1145; Gaz. vol. 134; p. 1998.
- Winans, T. J., assignor to "1900" Washer Company, Binghamton, N. Y. Gearing. No. 892,923; July 7; Sp. p. 1075; Dr. p. 223; Gaz. vol. 135; p. 178.
- Winans, W. G., Spokane, Wash. Trunk. No. 890,480; June 9; Sp. p. 2578; Dr. p. 570; Gaz. vol. 134; p. 1500.
- Winberg, N., Fritzheim, Östersund, Sweden. Woodworking-machine. No. 890,743; June 16; Sp. p. 3159; Dr. p. 692; Gaz. vol. 134; p. 1620.
- Winchell, F. J., Lynn, Mass. Foot-arch. No. 899,367; Sept. 22; Sp. p. 4195; Dr. p. 898; Gaz. vol. 136; p. 778.
- Winchell, H. H. (See Winchell, J. C. and H. H.)
- Winchell, J. C. and H. H., Monte Vista, Colo. Apparatus for automatically discharging ore-pulp sands and other material from tanks. No. 875,876; Jan. 7; Sp. p. 369; Dr. p. 82; Gaz. vol. 132; p. 68.
- Winchell, L. A., Tollhouse, Cal. Tray. No. 896,185; Aug. 18; Sp. p. 2778; Dr. p. 598; Gaz. vol. 135; p. 1399.
- Winchenbach, G. K., Waldoboro, Me. Can-opener. No. 877,974; Feb. 4; Sp. p. 153; Dr. p. 34; Gaz. vol. 132; p. 875.
- Winchester, J. D., Beverly, Mass. Last. No. 908,184; Dec. 20; Sp. p. 6101; Gaz. vol. 137; p. 2104.
- Winchester Repeating Arms Co. (See Mason, W., assignor.)
- Winckler, E. O. G., New York, N. Y. Composition of matter to be used in making copying-pads. No. 904,590; Nov. 24; Sp. p. 4224; Gaz. vol. 137; p. 769.
- Wind, A. (See Farnoff, H., assignor.)

Alphabetical list of patentees—Continued.

- Windemuller, J. H., Rotterdam, Netherlands. Ball-and-socket joint for pipe connections. No. 888,288; May 19; Sp. p. 3915; Dr. p. 824; Gaz. vol. 134; p. 699.
- Winden, A. (See Libak and Winden.)
- Winden, P. (See Libak and Winden.)
- Winder, A. L. (See Dickinson and Winder.)
- Winder, C. B., Columbus, Ohio. Shooting-gallery target. No. 905,397; Dec. 1; Sp. p. 531; Gaz. vol. 137; p. 1075.
- Windham, W. G., London, England. Motor-vehicle. No. 877,750; Jan. 28; Sp. p. 4214; Dr. pp. 913-14; Gaz. vol. 132; p. 774.
- Windisch, J. H., Toledo, Ohio. Truss. No. 906,350; Dec. 8; Sp. p. 2421; Gaz. vol. 137; p. 1415.
- Window Glass Machine Company. (See Frink, R. L., assignor.)
- Window Glass Machine Company. (See Lubbers, J. H., assignor.)
- Window Glass Machine Company. (See Schmertz, L. R., assignor.)
- Window Glass Machine Company. (See Wadsworth, F. L. O., assignor.)
- Windsor, A., Edinburgh, Scotland. Means for locking doors and the like. No. 897,948; Sept. 8; Sp. p. 1472; Dr. p. 313; Gaz. vol. 136; p. 262.
- Windsor, E., London, Ontario, Canada. Machine for cutting barrel-headings. No. 900,972; Oct. 13; Sp. p. 1923; Dr. pp. 391-2; Gaz. vol. 136; p. 1395.
- Windsor, J. R., Des Moines, Iowa. Chocolate-warming table. No. 882,040; Mar. 17; Sp. p. 3136; Dr. p. 665; Gaz. vol. 133; p. 569.
- Windsor Machine Company. (See Hipwell, J. B., assignor.)
- Windsor, T. A., Elgin, Okla. Cotton-picker's sled. No. 886,451; May 5; Sp. p. 215; Dr. p. 46; Gaz. vol. 134; p. 41.
- Winegar, A. J., Beloit, assignor to Fairbanks, Morse & Company, Chicago, Ill. Clutch mechanism. No. 897,044; Aug. 25; Sp. p. 4588; Dr. p. 978; Gaz. vol. 135; p. 1706.
- Winegardner, A., Pence, Ind. Mail-bag delivering and receiving apparatus. No. 896,787; Aug. 25; Sp. p. 4016; Dr. p. 864; Gaz. vol. 135; p. 1619.
- Wineman, A. V., Greenville, Miss. Sawmill-dog. No. 905,040; Nov. 24; Sp. p. 5158; Gaz. vol. 137; p. 920.
- Winemiller, G., and G. Gentslinger, Wapakoneta, Ohio. Corn-shock loader. No. 884,307; Apr. 7; Sp. p. 1284; Dr. p. 272; Gaz. vol. 133; p. 1397.
- Winey, E. L., East Orange, N. J. Clip or newspaper-holder. No. 895,706; Aug. 11; Sp. p. 1853; Dr. p. 394; Gaz. vol. 135; p. 1225.
- Winfield, H. B., Gresham, Ore. Wrench. No. 908,185; Dec. 29; Sp. p. 6105; Gaz. vol. 137; p. 2105.
- Winfield, W. H., Richmond Hill, and W. Senn, New York, N. Y. Can-opener. No. 901,510; Oct. 20; Sp. p. 3037; Dr. p. 620; Gaz. vol. 136; p. 1608.
- Winfrey, E. M., Wichita Falls, Tex., and T. W. Lilins, Carlsbad, N. Mex. Ter. Screw-driver. No. 908,369; Dec. 23; Sp. p. 6493; Gaz. vol. 137; p. 2168.
- Wing, C., Greenfield, Mass. Mailer. No. 895,528; Aug. 11; Sp. p. 1513; Dr. p. 320; Gaz. vol. 135; p. 1169.
- Wing, F. L. (See Cartwright, W. J., assignor.)
- Wing, F. T., Lincoln, Nebr. Poultry-coop. No. 905,263; Dec. 1; Sp. p. 277; Gaz. vol. 137; p. 1031.
- Wing, J. F., Maywood, Ill. Car-door seal. No. 889,286; June 2; Sp. p. 183; Dr. p. 46; Gaz. vol. 134; p. 1087.
- Wing, J. F., Maywood, Ill. Car-door seal. (Reissue.) No. 12,883; Nov. 24; Sp. p. 5344; Gaz. vol. 137; p. 952.
- Wing, J. F., Maywood, Ill. Car-seal. No. 908,186; Dec. 29; Sp. p. 6106; Gaz. vol. 137; p. 2105.
- Wing, L. C., New York, N. Y. Machine for feeding strips. No. 890,114; June 9; Sp. p. 1837; Dr. pp. 405-6; Gaz. vol. 134; p. 1383.
- Wing, L. J., East Orange, N. J. Apparatus for making molds. No. 907,212; Dec. 22; Sp. p. 4067; Gaz. vol. 137; p. 1750.
- Wingate, W. B., Callahan, Fla. Flue-plugger. No. 900,337; Oct. 6; Sp. p. 559; Dr. p. 117; Gaz. vol. 136; p. 1160.
- Wingate, W. B., assignor of one-half to Emmons Loom Harness Company, Lawrence, Mass. Machine for making false reeds for looms. No. 876,614; Jan. 14; Sp. p. 1915; Dr. pp. 417-18; Gaz. vol. 132; p. 341.
- Winge, A. (See Hansen, C. J. A., assignor.)
- Wingender, A. W. (See Bogk, Leach, and Wingender.)
- Winger, J., Brooklyn, N. Y. Attachment for pens. No. 892,791; July 7; Sp. p. 787; Dr. p. 165; Gaz. vol. 135; p. 135.
- Winget, N. F., Minneapolis, Minn. Sunbonnet. No. 905,970; Dec. 8; Sp. p. 1682; Gaz. vol. 137; p. 1290.
- Wingo, R. T., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Metal-working machine. No. 897,440; Sept. 1; Sp. p. 412; Dr. p. 88; Gaz. vol. 136; p. 64.
- Wingover, W., Alfordville, Ind. Post-hole digger. No. 899,644; Sept. 29; Sp. p. 4761; Dr. p. 1019; Gaz. vol. 136; p. 904.
- Winkel, C., assignor to National Sewing Machine Company, Belvidere, Ill. Bed-plate for sewing-machines. No. 901,052; Oct. 13; Sp. p. 2070; Dr. p. 421; Gaz. vol. 136; p. 1421.
- Winkelströter, M., Hanover, Germany. Apparatus for manufacturing compound plates or tablets. No. 885,901; Apr. 28; Sp. p. 4583; Dr. pp. 960-1; Gaz. vol. 133; p. 2007.
- Winkler, C., New York, N. Y. Pin tag or ticket. No. 882,088; Mar. 17; Sp. p. 3224; Dr. p. 685; Gaz. vol. 133; p. 587.
- Winkler, E., *et al.* (See MacMillan, W., assignor.)
- Winkley Company. (See Schoenborn and Overton, assignors.)
- Winkley, E. E., Lynn, Mass. Shoe-sewing machine. No. 887,991; May 19; Sp. p. 3362; Dr. p. 706; Gaz. vol. 134; p. 604.
- Winkley, E. E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-leveling machine. No. 900,248; Oct. 6; Sp. p. 357; Dr. pp. 74-5; Gaz. vol. 136; p. 1131.
- Winkley, E. R., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-leveling machine. No. 889,287; June 2; Sp. p. 184; Dr. p. 46; Gaz. vol. 134; p. 1088.
- Winn, J. C., Brooklyn, assignor to Winn Manufacturing Company, New York, N. Y. Door-holder. No. 901,511; Oct. 20; Sp. p. 3039; Dr. p. 621; Gaz. vol. 136; p. 1608.
- Winn Manufacturing Company. (See Winn, J. C., assignor.)
- Winne, R. P., Brooklyn, N. Y. Making phonograms. No. 881,644; Mar. 10; Sp. p. 2300; Dr. p. 498; Gaz. vol. 133; p. 414.
- Winquist, V., and A. Turnstrom, Rockford, Ill. Toe-calk for horseshoes. No. 891,025; June 16; Sp. p. 3738; Dr. p. 815; Gaz. vol. 134; p. 1714.
- Winship, J. P. C., Boston, Mass. Physical exerciser. No. 906,763; Dec. 15; Sp. p. 3193; Gaz. vol. 137; p. 1572.
- Winship, W. E., New York, N. Y., assignor to Gould Storage Battery Company. Electrical system of distribution. No. 887,052; May 5; Sp. p. 1410; Dr. p. 299; Gaz. vol. 134; p. 235.
- Winslow, A. (See Winslow, W. W., assignor.)
- Winslow, B. C., Kansas City, Mo. Means to prevent erosion in guns. No. 894,416; July 28; Sp. p. 4274; Dr. p. 882; Gaz. vol. 135; p. 743.
- Winslow Bros. Company. (See Winslow, F. A., assignor.)
- Winslow Brothers Company. (See Kail, J. L., assignor.)
- Winslow, E. J., Chicago, Ill. Fireproof roofing-tile. No. 881,522; Mar. 10; Sp. p. 2049; Dr. p. 448; Gaz. vol. 133; p. 373.
- Winslow, E. M., Iowa Falls, Iowa. Tongue-plate. No. 890,481; June 9; Sp. p. 2579; Dr. p. 570; Gaz. vol. 134; p. 1501.
- Winslow, F. A., assignor to Winslow Bros. Company, Chicago, Ill. Means for holding panels or plates of material to frames. No. 887,170; May 12; Sp. p. 1638; Dr. p. 348; Gaz. vol. 134; p. 301.
- Winslow, G. C., Kalamazoo, Mich. Pipe-wrench. No. 885,120; Apr. 21; Sp. p. 2984; Dr. p. 630; Gaz. vol. 133; p. 1724.
- Winslow, H. L., Chicago, Ill. Heating system. No. 888,773; May 26; Sp. p. 4925; Dr. pp. 1049-50; Gaz. vol. 134; p. 890.
- Winslow, S. W., trustee. (See Bates, A., assignor.)
- Winslow, S. W., trustee. (See Ladd, S. W., assignor.)
- Winslow, W. W., Laredo, Tex. Lock. No. 885,538; Apr. 21; Sp. p. 3892; Dr. p. 814; Gaz. vol. 133; p. 1865.
- Winslow, W. W., assignor of one-half to A. Winslow, Laredo, Tex. Lock. No. 885,557; Apr. 21; Sp. p. 3890; Dr. p. 813; Gaz. vol. 133; p. 1865.
- Winsor, B. V., assignor of one-half to H. H. Vogt, Davenport, Iowa. Rule-holder. No. 881,757; Mar. 10; Sp. p. 2511; Dr. p. 541; Gaz. vol. 133; p. 448.
- Winsor & Jerauld Manufacturing Company. (See Jaques, F. O., assignor.)
- Winsor, P., Weston, Mass. Portable automatic stop mechanism for cars. No. 878,263; Feb. 4; Sp. p. 760; Dr. p. 153; Gaz. vol. 132; p. 970.
- Winsor, P., Weston, Mass. Registering apparatus. No. 889,079; May 26; Sp. p. 5528; Dr. p. 1175; Gaz. vol. 134; p. 939.
- Winsor, P., Weston, Mass., assignor to Union Switch and Signal Company, Swissvale, Pa. System for controlling trains. No. 898,296; Sept. 8; Sp. p. 2142; Dr. pp. 455-6; Gaz. vol. 136; p. 370.
- Winston, C. S., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone central-office apparatus. No. 873,204; Feb. 4; Sp. p. 762; Dr. p. 154; Gaz. vol. 132; p. 971.
- Winston, C. S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic trunking system. No. 878,265; Feb. 4; Sp. p. 766; Dr. p. 154; Gaz. vol. 132; p. 971.
- Winston, C. S., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone testing system for party-lines. No. 900,458; Oct. 6; Sp. p. 831; Dr. p. 169; Gaz. vol. 136; p. 1200.
- Winston, C. S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Four-party-line indicating ringing key. No. 902,356; Oct. 27; Sp. p. 4795; Dr. p. 968; Gaz. vol. 136; p. 1913.
- Winston, O. J., *et al.* (See Marks, R. C., assignor.)
- Winter, C., New York, N. Y., assignor to Star Seal Company. Bottle-seal. No. 904,825; Nov. 24; Sp. p. 4721; Gaz. vol. 137; p. 849.

Alphabetical list of patentees—Continued.

- Winter, C. A., New York, N. Y. Puncture-telltale. No. 885,121; Apr. 21; Sp. p. 2987; Dr. p. 630; Gaz. vol. 133; p. 1725.
- Winter, E. (See Diescher, S. E., assignor.)
- Winter, E. C. (See Winter, J. R. and E. C.)
- Winter, F. M., Fährbrücke, Germany. Making lake colors. No. 905,264; Dec. 1; Sp. p. 279; Gaz. vol. 137; p. 1031.
- Winter, H., Charlottenburg, Germany. Apparatus for continuous evaporation. No. 881,523; Mar. 10; Sp. p. 2051; Dr. p. 449; Gaz. vol. 133; p. 373.
- Winter, H., New York, assignor, by mesne assignments, to F. Wesel Manufacturing Company, Brooklyn, N. Y. Drilling and nailing machine. No. 879,347; Feb. 18; Sp. p. 2964; Dr. pp. 618-19; Gaz. vol. 132; p. 1397.
- Winter, H., New York, assignor, by mesne assignments, to F. Wesel Manufacturing Company, Brooklyn, N. Y. Device for measuring and clamping printing-forms. No. 879,348; Feb. 18; Sp. p. 2966; Dr. p. 619; Gaz. vol. 132; p. 1398.
- Winter, H. J., assignor to Eastman Kodak Co., Rochester, N. Y. View-finder. No. 878,324; Feb. 4; Sp. p. 879; Dr. p. 175; Gaz. vol. 132; p. 990.
- Winter, J. R. and E. C., Detroit, Mich. Nut. No. 899,368; Sept. 22; Sp. p. 4195; Dr. p. 898; Gaz. vol. 136; p. 778.
- Winter, O., Philadelphia, Pa. Sectional table-pad. No. 902,037; Oct. 27; Sp. p. 4128; Dr. p. 836; Gaz. vol. 136; p. 1809.
- Winter, R. G., Milwaukee, Wis. Hinge. No. 883,998; Apr. 7; Sp. p. 670; Dr. p. 134; Gaz. vol. 133; p. 1299.
- Winter, R. G., Milwaukee, Wis. Hinge. No. 883,999; Apr. 7; Sp. p. 672; Dr. p. 135; Gaz. vol. 133; p. 1299.
- Winterbottom, G. H. (See Lilienfeld, L., assignor.)
- Winterbottom, S., *et al.* (See Bennett, R. H., assignor.)
- Winterburn, C. L., Kalamazoo, Mich. Beet-topper. No. 877,975; Feb. 4; Sp. p. 155; Dr. p. 35; Gaz. vol. 132; p. 875.
- Winters, B. H., Annapolis, Md. Electric exhibitor. No. 905,824; Dec. 1; Sp. p. 1405; Gaz. vol. 137; p. 1213.
- Winters, J. C., *et al.* (See Gormley, C., assignor.)
- Winters, M. M., *et al.* (See Fuller, W. M., assignor.)
- Winters, W., Grand Island, Nebr. Non-refillable bottle. No. 891,319; June 23; Sp. p. 4324; Dr. p. 943; Gaz. vol. 134; p. 1841.
- Wintherlich, H. J., Omaha, Nebr., assignor of two-thirds to W. R. Smith and A. M. Lundgard, Council Bluffs, Iowa. Apparatus for preserving eggs. No. 876,757; Jan. 14; Sp. p. 2181; Dr. p. 479; Gaz. vol. 132; p. 387.
- Winton, A., Cleveland, Ohio. Motor-vehicle. No. 884,117; Apr. 7; Sp. p. 938; Dr. pp. 196-7; Gaz. vol. 133; p. 1338.
- Winton, A., Cleveland, Ohio. Lubricator. No. 884,118; Apr. 7; Sp. p. 941; Dr. p. 197; Gaz. vol. 133; p. 1338.
- Winton, A., Cleveland, Ohio. Circuit closer and breaker. No. 890,482; June 9; Sp. p. 2580; Dr. p. 570; Gaz. vol. 134; p. 1501.
- Winton, A., and H. B. Anderson, assignors to Winton Motor Carriage Company, Cleveland, Ohio. Carbureter. No. 887,370; May 12; Sp. p. 2105; Dr. p. 442; Gaz. vol. 134; p. 369.
- Winton, A., and H. B. Anderson, assignors to Winton Motor Carriage Company, Cleveland, Ohio. Multiple-cylinder two-cycle explosion-engine. No. 895,222; Aug. 4; Sp. p. 894; Dr. p. 187; Gaz. vol. 135; p. 1044.
- Winton, A., and H. B. Anderson, assignors to Winton Motor Carriage Company, Cleveland, Ohio. Carbureting air for explosive-engines. No. 897,259; Aug. 25; Sp. p. 5110; Dr. p. 1060; Gaz. vol. 135; p. 1779.
- Winton, A., and H. B. Anderson, assignors to Winton Motor Carriage Company, Cleveland, Ohio. Carbureter. No. 906,980; Dec. 15; Sp. p. 3585; Gaz. vol. 137; p. 1639.
- Winton Motor Carriage Company. (See McGlashan, W., assignor.)
- Winton Motor Carriage Company. (See Winton and Anderson, assignors.)
- Wirman, J., assignor of one-half to W. O. Hoffman and G. E. Deneen, Cumberland, Md. Automatic door-check. No. 884,697; Apr. 14; Sp. p. 2110; Dr. p. 451; Gaz. vol. 133; p. 1556.
- Wirsching, A., Brooklyn, N. Y. Device for attaching index-fingers to arbors. No. 892,021; June 30; Sp. p. 5768; Dr. p. 1281; Gaz. vol. 134; p. 2104.
- Wirt, C., Philadelphia, Pa. assignor to Charles Wirt and Company, Newark, N. J. Rheostat. No. 895,822; Aug. 11; Sp. p. 2099; Dr. pp. 445-6; Gaz. vol. 135; p. 1262.
- Wirt, C., Philadelphia, Pa., assignor to Charles Wirt and Company, Newark, N. J. Lamp-reducer. No. 904,826; Nov. 24; Sp. p. 4723; Gaz. vol. 137; p. 849.
- Wirth, C. E., assignor to Plume & Atwood Mfg. Co., Waterbury, Conn. Lamp-burner. No. 901,139; Oct. 13; Sp. p. 2228; Dr. p. 453; Gaz. vol. 136; p. 1448.
- Wirth, E., Schopfheim, Germany, assignor to L. Greiner, Toledo, Ohio. Belt-shifting means. No. 897,441; Sept. 1; Sp. p. 416; Dr. p. 88; Gaz. vol. 136; p. 65.
- Wirth, K. (See Lebert, Roskothien, and Wirth.)
- Wirthlin, P., Eureka, Utah. Culinary utensil. No. 881,988; Mar. 17; Sp. p. 3012; Dr. p. 643; Gaz. vol. 133; p. 553.
- Wirts, J. H. (See Morgan, Hubbard, and Wirts.)
- Wirts, S. M., assignor to Cadillac Cabinet Company, Detroit, Mich. Desk-table. No. 886,452; May 5; Sp. p. 216; Dr. p. 46; Gaz. vol. 134; p. 41.
- Wirtz, L., Bilston, England. Clutch. No. 901,408; Oct. 20; Sp. p. 2801; Dr. p. 571; Gaz. vol. 136; p. 1573.
- Wisdom, G. P., assignor, by mesne assignments, to M. C. Schwab, Chicago, Ill. Spiral conveyer. No. 891,514; June 23; Sp. p. 4729; Dr. pp. 1023-4; Gaz. vol. 134; p. 1905.
- Wise, A. E., New York, N. Y. Ironing-table. No. 900,459; Oct. 6; Sp. p. 836; Dr. p. 170; Gaz. vol. 136; p. 1201.
- Wise Brothers. (See Wise, L. H., assignor.)
- Wise, G. W. (See Wise, H. A. and G. W.)
- Wise, H., Nampacapan, Philippine Islands. Capitalizing typescript letters. No. 875,877; Jan. 7; Sp. p. 373; Dr. p. 82; Gaz. vol. 132; p. 69.
- Wise, H. A., Cleveland, and G. W. Wise, Wooster, Ohio. Dispensing apparatus. No. 887,171; May 12; Sp. p. 1639; Dr. p. 348; Gaz. vol. 134; p. 301.
- Wise, H. H., Decatur, Ill. Cistern. No. 885,209; Apr. 21; Sp. p. 3189; Dr. p. 666; Gaz. vol. 133; p. 1754.
- Wise, I. E. (See Schramm and Wise.)
- Wise, J. C., Hillsboro, Iowa. Spoke for vehicle-wheels. No. 890,004; June 9; Sp. p. 1616; Dr. p. 361; Gaz. vol. 134; p. 1346.
- Wise, J. E., Butler, Pa. Well-operating apparatus. No. 883,769; Apr. 7; Sp. p. 175; Dr. p. 32; Gaz. vol. 133; p. 1221.
- Wise, J. J., Pittsburg, Pa. Wrench. No. 882,362; Mar. 17; Sp. p. 3743; Dr. p. 796; Gaz. vol. 133; p. 674.
- Wise, J. O. (See Wise, W. T. and J. O.)
- Wise, J. V., Oak Park, assignor to Richards Manufacturing Company, Aurora, Ill. Fire-door-releasing device. No. 893,047; July 14; Sp. p. 1347; Dr. p. 284; Gaz. vol. 135; p. 249.
- Wise, L. H., assignor to Wise Brothers, New York, N. Y. Overalls. No. 900,050; Sept. 29; Sp. p. 5634; Dr. p. 1203; Gaz. vol. 136; p. 1036.
- Wise, L. H., assignor to Wise Brothers, New York, N. Y. Union undergarment. No. 904,392; Nov. 17; Sp. p. 3793; Gaz. vol. 137; p. 676.
- Wise, R. W., Smith Mills, and W. H. Jones, Henderson, Ky. Wire-splicing machine. No. 903,938; Nov. 17; Sp. p. 2864; Gaz. vol. 137; p. 322.
- Wise, W. J., *et al.* (See Butts, W. R., assignor.)
- Wise, W. M., Statler Run, W. Va. Meat-block saw. No. 905,265; Dec. 1; Sp. p. 280; Gaz. vol. 137; p. 1031.
- Wise, W. T. and J. O., Canfield, Colo. Hay-feeding apparatus. No. 906,670; Dec. 15; Sp. p. 2996; Gaz. vol. 137; p. 1541.
- Wiseman, J. W. (See Patterson and Wiseman.)
- Wismar, W. F. (See Griesinger, J., assignor.)
- Wisner, J., Rapid River, assignor of one-half to J. Savoie, Grand Rapids, Mich. Railway-track joint. No. 895,393; Aug. 4; Sp. p. 1225; Dr. p. 258; Gaz. vol. 135; p. 1099.
- Wisniewski, K., and A. Matlak, Chicago, Ill. Safety-stop for elevators. No. 886,026; Apr. 28; Sp. p. 4871; Dr. p. 1025; Gaz. vol. 133; p. 2049.
- Wisnom, R. J., Virginia City, Nev. Anode. No. 903,939; Nov. 17; Sp. p. 2866; Gaz. vol. 137; p. 523.
- Wiss, E., *et al.* (See Dräger, A. B., assignor.)
- Wiss, E., Griesheim-on-the-Main, assignor to Firm of Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Remedying defects, such as blowholes, in metal castings. No. 884,346; Apr. 7; Sp. p. 1356; Dr. p. 290; Gaz. vol. 133; p. 1410.
- Wissing, H. J., assignor to American Vending Machine Co., Jeffersonville, Ind. Fraud-preventing device for vending-machines. No. 887,172; May 12; Sp. p. 1642; Dr. pp. 348-9; Gaz. vol. 134; p. 302.
- Wissing, H. J., assignor to American Vending Machine Co., Jeffersonville, Ind. Coin-way for vending-machines. No. 896,965; Aug. 25; Sp. p. 4421; Dr. p. 945; Gaz. vol. 135; p. 1679.
- Wissinger, T. K. (See Josephy, W., assignor.)
- Wissler, J., Lyndhurst, Va. Rail and railway. No. 905,616; Dec. 1; Sp. p. 1011; Gaz. vol. 137; p. 1145.
- Wissler, R., Indianapolis, Ind., assignor of one-half to C. A. Stonebreaker, Urbana, Ill. Paper-hanging device. No. 880,852; Mar. 3; Sp. p. 752; Dr. p. 159; Gaz. vol. 133; p. 126.
- Wisterman, F. S., Galion, Ohio. Grave-vault door. No. 907,933; Dec. 29; Sp. p. 5574; Gaz. vol. 137; p. 2020.
- Wiswall, A. D. and J. O., Canfield, Colo. Contact-oiler. No. 903,257; Nov. 10; Sp. p. 1453; Gaz. vol. 137; p. 267.
- Wiszcwsky, S., Uton, New York, N. Y. Flying-machine. No. 890,483; June 9; Sp. p. 2581; Dr. p. 571; Gaz. vol. 134; p. 1501.
- Witham, G. S., Jr., assignor of one-half to G. S. Witham, Sr., Sandy Hill, N. Y. Machine for removing bark from logs. No. 878,848; Feb. 11; Sp. p. 1997; Dr. pp. 414-15; Gaz. vol. 132; p. 1196.

Alphabetical list of patentees—Continued.

- Witham, G. S., Jr., assignor to W. J. Gallagher, Sandy Hill, N. Y. Machine for removing bark from logs. No. 908,433; Dec. 29; Sp. p. 6645; Gaz. vol. 137; p. 2191.
- Witham, G. S., Jr. (See Witham, G. S., Jr., assignor.)
- Withes, F. T., and R. White, Springfield, Mass. Loom. No. 901,764; Oct. 20; Sp. p. 3572; Dr. p. 723; Gaz. vol. 136; p. 1691.
- Withes, F. T., Springfield, Mass., and R. White, Cleveland, Ohio. Heddle adjustment for looms. No. 901,927; Oct. 20; Sp. p. 3872; Dr. p. 789; Gaz. vol. 136; p. 1743.
- Withes, F. T., Springfield, Mass., and R. White, Cleveland, Ohio. Loom-shuttle. No. 901,928; Oct. 20; Sp. p. 3873; Dr. p. 790; Gaz. vol. 136; p. 1743.
- Withes, F. T., Springfield, Mass., and R. White, Cleveland, Ohio. Warp-let-off for looms. No. 903,145; Nov. 3; Sp. p. 1214; Gaz. vol. 137; p. 199.
- Withes, F. T., Springfield, Mass., and R. White, Cleveland, Ohio. Take-up for looms. No. 903,146; Nov. 3; Sp. p. 1217; Gaz. vol. 137; p. 199.
- Withenbury, W. W., Chicago, Ill. Weather-strip. No. 883,603; Mar. 31; Sp. p. 6226; Dr. p. 1328; Gaz. vol. 133; p. 1140.
- Witherbee Igniter Company. (See Robinson, W. W., assignor.)
- Witherbee, W. C., *et al.* (See Fuller, W. M., assignor.)
- Withered, H. E., Le Roy, Kans. Appliance for compressing Sarven-wheel hubs, &c. No. 881,091; Mar. 3; Sp. p. 1196; Dr. p. 258; Gaz. vol. 133; p. 203.
- Withered, H. E., assignor of one-third to D. B. Rowe, Le Roy, Kans. Adjustable dish-staff. No. 905,484; Dec. 1; Sp. p. 755; Gaz. vol. 137; p. 1104.
- Withers, W. G., Atlanta, Ga. Sash-weight. No. 901,053; Oct. 13; Sp. p. 2072; Dr. p. 421; Gaz. vol. 136; p. 1421.
- Withery, R., South Bermondsey, England. Treatment of hides. No. 894,171; July 21; Sp. p. 3736; Gaz. vol. 135; p. 648.
- Withrow, J. F. D., Ottawa, Ontario, Canada. Apparatus for mixing concrete. No. 884,698; Apr. 14; Sp. p. 2111; Dr. p. 451; Gaz. vol. 133; p. 1556.
- Withrow, T., Allegan, Mich. Hose-coupling. No. 904,036; Nov. 17; Sp. p. 3045; Gaz. vol. 137; p. 554.
- Witkus, F. F., Manchester, N. H. Detachable needle-separator. No. 887,895; May 19; Sp. p. 3179; Dr. p. 669; Gaz. vol. 134; p. 573.
- Witman, E., Jr., Wernersville, Pa. Hinge. No. 890,547; June 9; Sp. p. 2708; Dr. p. 598; Gaz. vol. 134; p. 1523.
- Witman, E., Jr., Wernersville, Pa. Bottle. No. 905,485; Dec. 1; Sp. p. 756; Gaz. vol. 137; p. 1105.
- Witt, M., Atlanta, Ga. View-folder and mailing-case therefor. No. 878,325; Feb. 4; Sp. p. 880; Dr. p. 175; Gaz. vol. 132; p. 990.
- Witt, O., Macon, Mo. Shears. No. 877,691; Jan. 28; Sp. p. 4114; Dr. p. 890; Gaz. vol. 132; p. 756.
- Witt, R. G. (See Jürgens, J. C. F., assignor.)
- Witt, W. (See Baldwin, N., assignor.)
- Witt, W., and F. W. C. Hartmann, Ripon, Wis. Centrifugal cream-separator. No. 879,994; Feb. 25; Sp. p. 4349; Dr. p. 912; Gaz. vol. 132; p. 1642.
- Wittbold, L., Chicago, Ill. Mold for making florists' benches. No. 883,439; Mar. 31; Sp. p. 5916; Dr. p. 1263; Gaz. vol. 133; p. 1091.
- Witte, E. B., Trenton, N. J. Train-pipe coupling. No. 888,289; May 19; Sp. p. 3917; Dr. pp. 824-5; Gaz. vol. 134; p. 700.
- Witte, E. B., Trenton, N. J. Air, steam, and signal coupling. No. 906,981; Dec. 15; Sp. p. 3587; Gaz. vol. 137; p. 1639.
- Witte, F. W., Leipzig-Plagwitz, Germany. Ball journal and thrust bearing. No. 896,877; Aug. 25; Sp. p. 4207; Dr. p. 900; Gaz. vol. 135; p. 1649.
- Witte, F. W., Leipzig-Plagwitz, Germany. Ball-bearing. No. 900,635; Oct. 6; Sp. p. 1209; Dr. p. 248; Gaz. vol. 136; p. 1258.
- Witte, F. W., Chelmsford, England. Ball-bearing. No. 900,634; Oct. 6; Sp. p. 1208; Dr. p. 248; Gaz. vol. 136; p. 1258.
- Witthoefft, C. H., St. Louis, Mo. Turn-table for overhead railways. No. 896,499; Aug. 18; Sp. p. 3431; Dr. p. 738; Gaz. vol. 135; p. 1504.
- Wittich Success Shaft Sinking and Tunnelling Machine Company. (See Wittich, W. F., assignor.)
- Wittich, W. F., assignor to Wittich Success Shaft Sinking and Tunnelling Machine Company, Erie, Pa. Shaft or tunnel boring mechanism. No. 902,517; Oct. 27; Sp. p. 5150; Dr. p. 1043; Gaz. vol. 136; p. 1967.
- Witting, A. G., and A. O. Baer, Chicago, Ill. Automatic explosion or bleeder valve for blast-furnaces. No. 903,425; Nov. 10; Sp. p. 1771; Gaz. vol. 137; p. 322.
- Witke, C. W. O., Columbus, Ohio. Fluid-motor. No. 893,825; July 21; Sp. p. 3027; Dr. p. 619; Gaz. vol. 135; p. 535.
- Wittmann, A. B., and G. L. Rork, Denver, Colo. Rock-drilling explosive-engine. No. 890,546; June 9; Sp. p. 2705; Dr. pp. 597-8; Gaz. vol. 134; p. 1522.
- Wittner, J., Hoboken, N. J. Saddle. No. 886,670; May 5; Sp. p. 660; Dr. p. 137; Gaz. vol. 134; p. 113.
- Wittner, J., Hoboken, N. J. Collar-fastener. No. 896,788; Aug. 25; Sp. p. 4017; Dr. p. 864; Gaz. vol. 135; p. 1620.
- Wittstein, C. T., Newark, N. J. Jeweler's tag. No. 899,778; Sept. 29; Sp. p. 5043; Dr. p. 1080; Gaz. vol. 136; p. 949.
- Witz, A. A., Garrison, N. D. Gate. No. 897,949; Sept. 8; Sp. p. 1473; Dr. p. 313; Gaz. vol. 136; p. 262.
- Witzenmann, E. (See Schwarz, W., assignor.)
- Witzenmann, E., Pforzheim, Germany. Cock-coupling. No. 902,192; Oct. 27; Sp. p. 4435; Dr. p. 898; Gaz. vol. 136; p. 1857.
- Witzke, H. E., Chicago, Ill. School-desk. No. 882,282; Mar. 17; Sp. p. 3596; Dr. p. 763; Gaz. vol. 133; p. 648.
- Wlacojsky, J. (See Follmer and Wlacojsky.)
- Wlost, G. A., assignor to Firm of Vereinigte Uhrenfabriken von Gebrüder Junghans & Thomas Haller, A. G., Schramberg, Germany. Feeding mechanism for talking-machines. No. 893,292; July 14; Sp. p. 1826; Dr. p. 383; Gaz. vol. 135; p. 329.
- Wm. B. Seafie & Sons Company. (See Greth, J. C. W., assignor.)
- Wm. H. Jackson Company. (See Barr, S. U., assignor.)
- Wm. L. Gilbert Clock Company. (See Alford, F. R., assignor.)
- Wm. L. Gilbert Clock Company. (See Saxe, A. C., assignor.)
- Wobbrock, L. A., Merton, Minn. Apparatus for coating receptacles with paraffin. No. 900,815; Oct. 13; Sp. p. 1595; Dr. p. 323; Gaz. vol. 136; p. 1345.
- Woehrmann, C. von. (See Muenger, F., assignor.)
- Woelz, F. W., and G. W., Appleton, Wis. Display-stand. No. 890,886; June 16; Sp. p. 3430; Dr. pp. 751-2; Gaz. vol. 134; p. 1667.
- Woelz, G. W. (See Woelz, F. W. and G. W.)
- Woerner, R., Mannheim, Germany. Pressing cigars. No. 883,156; Mar. 24; Sp. p. 5294; Dr. pp. 1129-31; Gaz. vol. 133; p. 967.
- Woerner, R., Mannheim, Germany. Washing-machine. No. 891,757; June 23; Sp. p. 5223; Dr. p. 1131; Gaz. vol. 134; p. 1986;
- Woerner, R., Mannheim, Germany. Drying device. No. 894,560; July 28; Sp. p. 4561; Dr. p. 945; Gaz. vol. 135; p. 797.
- Wofford, A. A., Statham, Ga. Planter. No. 906,351; Dec. 8; Sp. p. 2423; Gaz. vol. 137; p. 1416.
- Wohl, M. J. (See Hertzberg and Wohl.)
- Wohlauer, A. A., New York, N. Y. Electric switch. No. 889,566; June 2; Sp. p. 747; Dr. p. 172; Gaz. vol. 134; p. 1177.
- Wöhler, L., Karlsruhe, Germany. Charge for detonator-casings. No. 904,289; Nov. 17; Sp. p. 3606; Gaz. vol. 137; p. 643.
- Wohlfahrt, T. (See Bazlen and Wohlfahrt.)
- Wohlpart, A. P. S. and P., New York, N. Y. Fireproof construction. No. 902,357; Oct. 27; Sp. p. 4797; Dr. p. 968; Gaz. vol. 136; p. 1913.
- Wohlpart, P. (See Wohlpart, A. P. S. and P.)
- Woitynek, P., La Salle, Ill. Mail-bag apparatus. No. 894,302; July 28; Sp. p. 4042; Dr. p. 834; Gaz. vol. 135; p. 712.
- Wolcott, C. A., *et al.* (See Wiest, J. H., assignor.)
- Wolcott, H. W. (See Murray, W. J., assignor.)
- Wolcott, J. W., Griffin, Ga. Grate. No. 886,453; May 5; Sp. p. 217; Dr. p. 46; Gaz. vol. 134; p. 41.
- Wold, E., Superior, Wis. Hatchway. No. 905,041; Nov. 24; Sp. p. 5159; Gaz. vol. 137; p. 920.
- Wolver, F. H., assignor to Illinois Pneumatic Transmission Co., Chicago, Ill. Cartridge for pneumatic transmission-tubes. No. 889,420; June 2; Sp. p. 459; Dr. p. 110; Gaz. vol. 134; p. 1132.
- Wolver, F. H., assignor to Illinois Pneumatic Transmission Co., Chicago, Ill. Pneumatic-despatch-tube system. No. 898,542; Sept. 15; Sp. p. 2631; Dr. pp. 563-4; Gaz. vol. 136; p. 484.
- Wolf, A., Chambersburg, Pa. Separator for grain, middlings, &c. No. 903,804; Nov. 10; Sp. p. 2542; Gaz. vol. 137; p. 444.
- Wolf, A. W., Hampton, Iowa. Detachable potato and vegetable elevator. No. 890,548; June 9; Sp. p. 2709; Dr. pp. 598-9; Gaz. vol. 134; p. 1523.
- Wolf, D. L., Archer City, Tex. Propelling device for aerial ships. No. 898,081; Sept. 8; Sp. p. 1740; Dr. p. 370; Gaz. vol. 136; p. 304.
- Wolf, E. A., Nerstrand, Minn. Signal. No. 879,022; Feb. 11; Sp. p. 2321; Dr. p. 485; Gaz. vol. 132; p. 1250.
- Wolf, F., New York, N. Y. Stamping attachment for cloth-measuring machines. No. 882,283; Mar. 17; Sp. p. 3598; Dr. p. 763; Gaz. vol. 133; p. 648.
- Wolf, F., New York, assignor of two-thirds to C. Barkhausen, New Rochelle, N. Y., and G. J. Biddel, Hoboken, N. J. Composite lathing. No. 889,167; May 26; Sp. p. 5749; Dr. p. 1216; Gaz. vol. 134; p. 1019.
- Wolf, H., and R. Struck, Vaals, Netherlands. Making nipples. No. 892,792; July 7; Sp. p. 788; Dr. p. 166; Gaz. vol. 135; p. 135.
- Wolf, H. C. and L. S., Catawissa, Pa. Steam-engine. No. 876,758; Jan. 14; Sp. p. 2183; Dr. p. 479; Gaz. vol. 132; p. 387.
- Wolf, J. D., London, England. Separation of metals from their ores. No. 899,149; Sept. 22; Sp. p. 3767; Dr. p. 807; Gaz. vol. 136; p. 709.
- Wolf, J. D., London, England. Separating metals from their ores. No. 899,478; Sept. 22; Sp. p. 4387; Dr. pp. 941-2; Gaz. vol. 136; p. 812.
- Wolf, J. H. (See Vogler, H., assignor.)
- Wolf, K., Hamburg, Germany. Case for holding ribbon-plaster or other matter. No. 903,650; Nov. 10; Sp. p. 2238; Gaz. vol. 137; p. 396.

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 Wolf, L. S. (See Wolf, H. C. and L. S.)
 Wolf, M., New York, N. Y. Carriage-cushioning device. No. 887,888; May 19; Sp. p. 3166; Dr. p. 666; Gaz. vol. 134; p. 570.
 Wolf, R. B., and H. E. Tidmarsh, Sandy Hill, N. Y. Paper-making machinery. No. 878,849; Feb. 11; Sp. p. 2005; Dr. p. 415; Gaz. vol. 132; p. 1196.
 Wolf, Sayer & Heller. (See Heller, I., assignor.)
 Wolf, Sayer & Heller. (See Preston, D. E., assignor.)
 Wolf, W., Philadelphia, Pa. Hook and eye. No. 899,369; Sept. 22; Sp. p. 4196; Dr. p. 899; Gaz. vol. 136; p. 778.
 Wolf, W. H., Philipsburg, Pa. Folding crate. No. 905,779; Dec. 1; Sp. p. 1315; Gaz. vol. 137; p. 1199.
 Wolfarth, W., Mansfield, Ohio. Weather-strip. No. 884,251; Apr. 7; Sp. p. 1198; Dr. p. 252; Gaz. vol. 133; p. 1381.
 Wolfe, C. H., Charlotte, N. C. Steam-shovel. No. 898,618; Sept. 15; Sp. p. 2773; Dr. p. 592; Gaz. vol. 136; p. 508.
 Wolfe, D. L. (See Gordon and Wolfe.)
 Wolfe, E. B., Newark, N. J., assignor to Electric Motor & Equipment Company. Sign. No. 882,857; Mar. 24; Sp. p. 4714; Dr. p. 1002; Gaz. vol. 133; p. 869.
 Wolfe, J., and M. J. Kavanagh, Cleveland, Ohio. Rail-joint. No. 903,124; Nov. 3; Sp. p. 1179; Gaz. vol. 137; p. 192.
 Wolfe, R. P., *et al.* (See Moore and Deck, assignors.)
 Wolfe, S. C., Angola, Ind. Anchoring and tension device for tire-protectors. No. 898,714; Sept. 15; Sp. p. 2959; Dr. p. 634; Gaz. vol. 136; p. 538.
 Wolfe, S. S., Robert Lee, Tex., assignor to J. and M. D. Bradley, Cold Springs, Okla. Culinary time-indicator. No. 889,421; June 2; Sp. p. 461; Dr. p. 110; Gaz. vol. 134; p. 1132.
 Wolfe, W., Patton, Pa. Brake for vehicles. No. 898,082; Sept. 8; Sp. p. 1741; Dr. p. 370; Gaz. vol. 136; p. 305.
 Wolfe, W., Patton, Pa. Spike-extractor. No. 900,338; Oct. 6; Sp. p. 561; Dr. p. 117; Gaz. vol. 136; p. 1160.
 Wolfe, W., Batavia, assignor to American Heel Machine Company, Cincinnati, Ohio. Wire-feed and nail-forming device. No. 883,126; Mar. 24; Sp. p. 5238; Dr. p. 1118; Gaz. vol. 133; p. 957.
 Wolfe, W., and W. Lucas, Patton, Pa. Lubricator-protector for vehicle-wheel journals. No. 880,262; Feb. 25; Sp. p. 4896; Dr. p. 1045; Gaz. vol. 132; p. 1731.
 Wolfe, W. E., and G. H. Peddle, Perry, N. Y. Fence-post. No. 896,500; Aug. 18; Sp. p. 3433; Dr. p. 738; Gaz. vol. 135; p. 1504.
 Wolfenden, E. M. and H., Philadelphia, Pa. Roller-bearing hub. No. 893,411; July 14; Sp. p. 2041; Dr. p. 428; Gaz. vol. 135; p. 368.
 Wolfenden, H. (See Wolfenden, E. M. and H.)
 Wolfensberger, F., Mülheim-on-the-Rhine, Germany. Device for the support of work. No. 897,808; Sept. 1; Sp. p. 1156; Dr. p. 246; Gaz. vol. 136; p. 183.
 Wolfes, O., Darmstadt, Germany. Manufacturing barbituric acid. No. 894,994; Aug. 4; Sp. p. 442; Gaz. vol. 135; p. 966.
 Wolfes, O., assignor to Firm of E. Merck, Darmstadt, Germany. Manufacturing dialkyl barbituric acid. No. 907,664; Dec. 22; Sp. p. 5033; Gaz. vol. 137; p. 1902.
 Wolfes, O., assignor to Firm of E. Merck, Darmstadt, Germany. Manufacturing barbituric acid. No. 907,665; Dec. 22; Sp. p. 5034; Gaz. vol. 137; p. 1902.
 Wolff, E. (See Wolff, F. W. and E.)
 Wolff, E., New York, N. Y. Campaign toy device. No. 883,440; Mar. 31; Sp. p. 5919; Dr. p. 1263; Gaz. vol. 133; p. 1092.
 Wolff, F. O., Windsor, near Melbourne, Victoria, assignor to J. Kearns, Prahran, Australia. Pressure-indicator for pneumatic tires. No. 905,778; Dec. 1; Sp. p. 1314; Gaz. vol. 137; p. 1199.
 Wolff, F. W. and E., Remscheid-Haddenbach, Germany. Forging-machine. No. 908,187; Dec. 29; Sp. p. 6107; Gaz. vol. 137; p. 2105.
 Wolff, H. (See Bally and Wolff.)
 Wolff, H., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye and making same. No. 893,412; July 14; Sp. p. 2042; Gaz. vol. 135; p. 368.
 Wolff, H. O., Syracuse, N. Y. Sash lock and tightener. No. 894,767; July 28; Sp. p. 4943; Dr. p. 1030; Gaz. vol. 135; p. 863.
 Wolff, H. S., *et al.* (See Hood, W. S., assignor.)
 Wolff, H. W. (See Frame, R. E., assignor.)
 Wolff, H. W., St. Louis, Mo., assignor to Wolf Truck Frame Company, Augusta, Me. Car-truck. No. 907,934; Dec. 29; Sp. p. 5575; Gaz. vol. 137; p. 2020.
 Wolff Truck Frame Company. (See Hart, H. S., assignor.)
 Wolff Truck Frame Company. (See Wolff, H. W., assignor.)
 Wolfram, F. D., assignor of one-half to F. M. Hasse, Milwaukee, Wis. Dust-absorbing compound. No. 892,484; July 7; Sp. p. 179; Gaz. vol. 135; p. 35.
 Wolfram, F. D., assignor of one-half to F. M. Hasse, Milwaukee, Wis. Brush. No. 892,485; July 7; Sp. p. 180; Dr. p. 38; Gaz. vol. 135; p. 35.
 Wolfrey, R., West Alexandria, Ohio. Tool. No. 877,153; Jan. 21; Sp. p. 3029; Dr. p. 656; Gaz. vol. 132; p. 560.
 Wolfrom, E. J., Salida, Colo. Cutter-bar. No. 875,878; Jan. 7; Sp. p. 374; Dr. p. 82; Gaz. vol. 132; p. 69.
 Wolfson, B., Cincinnati, Ohio. Salesman's sample-displaying device. No. 891,125; June 16; Sp. p. 3900; Dr. p. 854; Gaz. vol. 134; p. 1744.
 Wolgamott, D. S., Millersburg, Ohio. Device for carrying and setting concrete blocks. No. 884,434; Apr. 14; Sp. p. 1541; Dr. p. 331; Gaz. vol. 133; p. 1409.
 Wolhaupter, B., assignor to Rail Joint Company, New York, N. Y. Insulated compromise rail-joint. No. 877,817; Jan. 28; Sp. p. 4323; Dr. p. 939; Gaz. vol. 132; p. 794.
 Wolhaupter, B., assignor to Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 878,588; Feb. 11; Sp. p. 1505; Dr. p. 306; Gaz. vol. 132; p. 1113.
 Wolhaupter, B., assignor to Rail Joint Company, New York, N. Y. Reinforced angle-bar for rail-joints. No. 878,589; Feb. 11; Sp. p. 1507; Dr. pp. 306-7; Gaz. vol. 132; p. 1113.
 Wolhaupter, B., New York, N. Y., assignor to Rail Joint Company. Insulating rail-joint. No. 882,041; Mar. 17; Sp. p. 3137; Dr. p. 666; Gaz. vol. 133; p. 570.
 Wolhaupter, B., assignor to Rail Joint Company, New York, N. Y. Rail-joint. No. 886,105; Apr. 28; Sp. p. 5021; Dr. p. 1056; Gaz. vol. 133; p. 2074.
 Wolhaupter, B., assignor to Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 889,288; June 2; Sp. p. 188; Dr. pp. 47-8; Gaz. vol. 134; p. 1088.
 Wolke, G., Jacksonville, Ill. Wheel. No. 899,934; Sept. 29; Sp. p. 5375; Dr. p. 1146; Gaz. vol. 136; p. 998.
 Wolke, G., assignor of one-half to E. P. Kirby and W. K. McLaughlin, Jacksonville, Ill. Governor and valve movement. No. 878,105; Feb. 4; Sp. p. 427; Dr. p. 90; Gaz. vol. 132; p. 917.
 Wolke, G., assignor of one-half to E. P. Kirby and W. K. McLaughlin, Jacksonville, Ill. Cooling device for engines. No. 879,428; Feb. 18; Sp. p. 3157; Dr. p. 656; Gaz. vol. 132; p. 1424.
 Wolken, F. E., Diller, Nebr. Mail-conveyer. No. 883,067; Mar. 24; Sp. p. 5111; Dr. p. 1090; Gaz. vol. 133; p. 938.
 Woll, F. P., and C. Schofield, Philadelphia, Pa. Carding-machine. No. 896,604; Aug. 18; Sp. p. 3624; Dr. p. 778; Gaz. vol. 135; p. 1537.
 Wollé, J. A. (See Budd and Wollé.)
 Wollert, E., Cleveland, Ohio. Horseshoe. No. 879,936; Feb. 25; Sp. p. 4250; Dr. p. 888; Gaz. vol. 132; p. 1624.
 Wollglen, E., assignor to Edward Katzinger Company, Chicago, Ill. Swab-stick attachment. No. 890,744; June 16; Sp. p. 1162; Dr. p. 692; Gaz. vol. 134; p. 1621.
 Wollheim, S., Milwaukee, Wis. Paper-punch. No. 881,524; Mar. 10; Sp. p. 2052; Dr. p. 449; Gaz. vol. 133; p. 373.
 Woislager, H. J., Easton, Pa. Display-cabinet. No. 907,935; Dec. 29; Sp. p. 5577; Gaz. vol. 137; p. 2021.
 Wolter, W., Burress, Nebr. Variable-speed gear. No. 886,911; May 5; Sp. p. 1152; Dr. pp. 242-3; Gaz. vol. 134; p. 189.
 Wolter, W., Burress, and H. H. Stottko, Fairmont, Nebr. Concrete-mixer. No. 903,426; Nov. 10; Sp. p. 1773; Gaz. vol. 137; p. 322.
 Wolters, W. E., Pueblo, Colo., assignor of one-half to J. W. Spencer. Waffle-iron. No. 881,038; Mar. 3; Sp. p. 1090; Dr. p. 236; Gaz. vol. 133; p. 186.
 Wolverine Brass Works. (See Glidden, O. F., assignor.)
 Wolverton, W. L., Holton, Kans. Animal-trap. No. 902,790; Nov. 3; Sp. p. 494; Gaz. vol. 137; p. 86.
 Wolyniec, R. F., McKeesport, assignor of one-half to J. Kret, Homestead, Pa. Rail-joint. No. 885,122; Apr. 21; Sp. p. 2989; Dr. p. 631; Gaz. vol. 133; p. 1725.
 Wolz, A., St. Luzi, Chur, Switzerland. Inkstand. No. 878,922; Feb. 11; Sp. p. 2141; Dr. p. 447; Gaz. vol. 132; p. 1219.
 Womens Mutual Benefit Company. (See Richards, H. M., assignor.)
 Womer, C. E., Republic, Ohio. Railway-tie. No. 896,501; Aug. 18; Sp. p. 3435; Dr. p. 739; Gaz. vol. 135; p. 1505.
 Wommelsdorf, H., Charlottenburg, Germany. Static-influence electric machine. No. 882,508; Mar. 17; Sp. p. 3984; Dr. p. 851; Gaz. vol. 133; p. 722.
 Wommelsdorf, H., Charlottenburg, Germany. Electrical multiple influence or condenser machine. No. 883,846; Apr. 7; Sp. p. 356; Dr. p. 69; Gaz. vol. 133; p. 1247.
 Wonderlin, F. N., Des Moines, Iowa. Car-switching. No. 894,768; July 28; Sp. p. 4945; Dr. p. 1031; Gaz. vol. 135; p. 863.
 Wonderly, B., Canton, Ohio. Milling-tool. No. 887,992; May 19; Sp. p. 3364; Dr. p. 706; Gaz. vol. 134; p. 604.

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- Wonsmos, B. R. (See Mendenhall and Wonsmos.)
- Wonsmos, M. B., and J. P. Schonboe, Audubon, Iowa. Ironing-board. No. 899,091; Sept. 22; Sp. p. 3640; Dr. p. 780; Gaz. vol. 136; p. 688.
- Wood, A., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, Jersey City, N. J. Bending-machine. No. 886,027; Apr. 28; Sp. p. 4873; Dr. p. 1026; Gaz. vol. 133; p. 2049.
- Wood, A. C., Philadelphia, Pa. Apparatus for producing ozone. No. 882,509; Mar. 17; Sp. p. 3986; Dr. p. 852; Gaz. vol. 133; p. 722.
- Wood, A. C., Philadelphia, Pa. Apparatus for producing ozone. No. 882,510; Mar. 17; Sp. p. 3988; Dr. pp. 852-3; Gaz. vol. 133; p. 722.
- Wood, A. C., assignor of one-half to J. K. Orvis, Waukegan, Ill. Turbine. No. 897,567; Sept. 1; Sp. p. 671; Dr. p. 141; Gaz. vol. 136; p. 105.
- Wood, C. A., Houston, Tex. Water-heater. No. 908,370; Dec. 29; Sp. p. 6495; Gaz. vol. 137; p. 2168.
- Wood, C. E., Gas, Kans. Operating-table. No. 907,432; Dec. 22; Sp. p. 4513; Gaz. vol. 137; p. 1826.
- Wood, C. L., Topeka, Kans. Apparel-rack. No. 894,561; July 28; Sp. p. 4562; Dr. p. 945; Gaz. vol. 135; p. 797.
- Wood, C. W., St. Paul, Minn. Apparatus for handling hay, &c. No. 891,581; June 23; Sp. p. 4860; Dr. pp. 1047-8; Gaz. vol. 134; p. 1926.
- Wood, D. B., Almyra, Ark. Bale-tying attachment to hay-presses. No. 893,216; July 14; Sp. p. 1676; Dr. pp. 354-5; Gaz. vol. 135; p. 303.
- Wood, E. F., assignor to International Nickel Company, New York, N. Y. Utilizing flue-dust. No. 884,970; Apr. 14; Sp. p. 2660; Gaz. vol. 133; p. 1643.
- Wood, E. H., Roswell, Ga. Drawers adjuster and supporter. No. 902,460; Oct. 27; Sp. p. 5013; Dr. p. 1013; Gaz. vol. 136; p. 1946.
- Wood, E. J., Bromwich, and G. Carson, Hull, England. Axle-box. No. 889,422; June 2; Sp. p. 463; Dr. p. 110; Gaz. vol. 134; p. 1133.
- Wood, E. L., *et al.*, executors. (See Hinkley, G. M.)
- Wood, E. L., New York, N. Y. Faucet. No. 877,540; Jan. 28; Sp. p. 3813; Dr. p. 824; Gaz. vol. 132; p. 708.
- Wood, E. L., Nevada, Iowa. Type-writer. No. 894,769; July 28; Sp. p. 4947; Dr. p. 1031; Gaz. vol. 135; p. 864.
- Wood, E. L., Long Island City, N. Y. Self-lubricating shaft. No. 898,297; Sept. 8; Sp. p. 2150; Dr. p. 457; Gaz. vol. 136; p. 371.
- Wood, E. P., Los Angeles, Cal. Mangle-apron guide. No. 893,690; July 21; Sp. p. 2659; Dr. p. 558; Gaz. vol. 135; p. 488.
- Wood, E. S., assignor to W. F. Draper, Hopedale, Mass. Bobbin-holding means for loom-shuttles. No. 907,666; Dec. 22; Sp. p. 5035; Gaz. vol. 137; p. 1902.
- Wood, F., Liverpool, England. Bedstead, stretcher, and the like. No. 896,426; Aug. 18; Sp. p. 3280; Dr. pp. 703-4; Gaz. vol. 135; p. 1480.
- Wood, F. A. (See Modlin, F. E., assignor.)
- Wood, F. B., Providence, R. I., assignor to Rhode Island Fiber Spool Company, Boston, Mass. Spool. No. 898,398; Sept. 8; Sp. p. 2323; Dr. p. 494; Gaz. vol. 136; p. 404.
- Wood, F. J., Niles, Mich. Filter-basket. No. 902,038; Oct. 27; Sp. p. 1429; Dr. p. 836; Gaz. vol. 136; p. 1809.
- Wood, F. J., assignor to Marx and Rawolle, New York, N. Y. Distilling glycerin. No. 881,525; Mar. 10; Sp. p. 2054; Dr. p. 449; Gaz. vol. 133; p. 374.
- Wood, F. L. (See Kelly and Wood.)
- Wood, F. L., Worcester, Mass., assignor to Aeolian Company, New York, N. Y. Paper-feed mechanism. No. 886,454; May 5; Sp. p. 219; Dr. p. 47; Gaz. vol. 134; p. 41.
- Wood, F. L., Worcester, Mass., assignor to Aeolian Company, New York, N. Y. Machine for making perforated music-sheets. No. 886,455; May 5; Sp. p. 220; Dr. p. 47; Gaz. vol. 134; p. 42.
- Wood, F. L., Worcester, Mass., assignor to Aeolian Company, New York, N. Y. Die. No. 907,667; Dec. 22; Sp. p. 5038; Gaz. vol. 137; p. 1903.
- Wood, F. O., South Pasadena, Cal. Garment-supporting belt. No. 875,973; Jan. 7; Sp. p. 560; Dr. p. 120; Gaz. vol. 132; p. 98.
- Wood, F. W., Baltimore, Md. Treating blast-furnace slag. No. 883,770; Apr. 7; Sp. p. 177; Dr. p. 32; Gaz. vol. 133; p. 1222.
- Wood, F. W., assignor to Berry-Wood Piano Player Co., Kansas City, Mo. Expression device. No. 886,569; May 5; Sp. p. 443; Dr. p. 95; Gaz. vol. 134; p. 81.
- Wood, F. W., assignor to Berry-Wood Piano Player Co., Kansas City, Mo. Automatic piano. No. 901,929; Oct. 20; Sp. p. 3875; Dr. pp. 790-1; Gaz. vol. 136; p. 1743.
- Wood, F. W., assignor to Berry-Wood Piano Player Co., Kansas City, Mo. Note-sheet-guide mechanism. No. 901,930; Oct. 20; Sp. p. 3880; Dr. p. 791; Gaz. vol. 136; p. 1744.
- Wood, F. W., Newport News, Va., assignor to C. and J. M. Cory, New York, N. Y. Telephone apparatus. No. 898,619; Sept. 15; Sp. p. 2776; Dr. p. 592; Gaz. vol. 136; p. 508.
- Wood, F. W., Newport News, Va., assignor to C. and J. M. Cory, New York, N. Y. Telephonic apparatus. No. 898,620; Sept. 15; Sp. p. 2778; Dr. p. 592; Gaz. vol. 136; p. 509.
- Wood, F. W., Newport News, Va., assignor to C. and J. M. Cory, New York, N. Y. Automatic contact mechanism for electric revolution-indicators. No. 898,621; Sept. 15; Sp. p. 2780; Dr. p. 594; Gaz. vol. 136; p. 509.
- Wood, G. E., Southington, Conn. Hand-fool. No. 894,303; July 28; Sp. p. 4043; Dr. p. 835; Gaz. vol. 135; p. 712.
- Wood, G. S., Chicago, Ill. Supporting-sheath for train-pipe coupling-hose. No. 880,060; Feb. 25; Sp. p. 4496; Dr. p. 944; Gaz. vol. 132; p. 1664.
- Wood, G. W., Denver, Colo. Rotary engine. No. 892,346; June 30; Sp. p. 6387; Dr. pp. 1378-9; Gaz. vol. 134; p. 2211.
- Wood, H. (See Blanchard and Wood.)
- Wood, H. (See Durst, G., assignor.)
- Wood, H. A. W., New York, N. Y., assignor, by mesne assignments, to Detroit Trust Co., trustee, Detroit, Mich. Printing-machine. No. 896,186; Aug. 18; Sp. p. 2779; Dr. p. 599; Gaz. vol. 135; p. 1400.
- Wood, H. A. W., New York, N. Y., assignor, by mesne assignments, to Detroit Trust Co., trustee, Detroit, Mich. Printing-machine. No. 896,187; Aug. 18; Sp. p. 2784; Dr. pp. 599-601; Gaz. vol. 135; p. 1400.
- Wood, H. A. W., New York, N. Y., assignor, by mesne assignments, to Detroit Trust Co., trustee, Detroit, Mich. Printing-machine. (Reissue.) No. 12,899; Dec. 15; Sp. p. 3850; Gaz. vol. 137; p. 1685.
- Wood, H. A. W., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Associating and collecting mechanism. No. 897,333; Sept. 1; Sp. p. 161; Dr. pp. 34-5; Gaz. vol. 136; p. 25.
- Wood, H. D., Jr., Minneapolis, Minn. Electrical abdominal heater. No. 877,154; Jan. 21; Sp. p. 3030; Dr. p. 656; Gaz. vol. 132; p. 560.
- Wood, H. D., Jr., Minneapolis, Minn. Electrical face-steamer. No. 877,155; Jan. 21; Sp. p. 3031; Dr. p. 656; Gaz. vol. 132; p. 560.
- Wood, H. L., Toronto, Ontario, Canada. Dowel and rivet marker. No. 888,377; May 19; Sp. p. 4084; Dr. p. 861; Gaz. vol. 134; p. 727.
- Wood, H. S. (See Wood, M. H., assignor.)
- Wood, J., assignor of one-half to J. Owen, Noblesville, Ind. Mail-bag catcher and deliverer. No. 885,657; Apr. 21; Sp. p. 4082; Dr. p. 854; Gaz. vol. 133; p. 1896.
- Wood, J., assignor of one-half to J. Owen, Noblesville, Ind. Mail-bag catcher and deliverer. No. 898,812; Sept. 15; Sp. p. 3139; Dr. p. 672; Gaz. vol. 136; p. 570.
- Wood, J. C., Portsmouth, Ohio. Trace-fastener. No. 888,213; May 19; Sp. p. 3771; Dr. p. 791; Gaz. vol. 134; p. 674.
- Wood, J. E. (See Shannon and Wood.)
- Wood, J. E., Brooklyn, N. Y. Cigarette-former. No. 903,039; Nov. 3; Sp. p. 1024; Gaz. vol. 137; p. 168.
- Wood, J. F., Athens, Ohio, assignor of one-fourth to J. C. Hewitt. Washboard. No. 903,427; Nov. 10; Sp. p. 1774; Gaz. vol. 137; p. 323.
- Wood, J. H. (See Chase, P. E., assignor.)
- Wood, J. J., Fort Wayne, Ind. Single-phase motor. No. 878,923; Feb. 11; Sp. p. 2142; Dr. pp. 447-8; Gaz. vol. 132; p. 1219.
- Wood, J. T., Phillipsburg, Mo. Attachment for box-beds. No. 893,413; July 14; Sp. p. 2044; Dr. p. 429; Gaz. vol. 135; p. 368.
- Wood, M. E., New York, N. Y. Stove attachment. No. 877,976; Feb. 4; Sp. p. 156; Dr. p. 35; Gaz. vol. 132; p. 875.
- Wood, M. H., assignor to H. S. Wood, Providence, R. I. Ventilator for horse-blankets and other coverings. No. 890,581; June 9; Sp. p. 2776; Dr. p. 614; Gaz. vol. 134; p. 1535.
- Wood, M. L., Montpelier, Vt. Gas-engine. No. 880,704; Mar. 3; Sp. p. 418; Dr. p. 90; Gaz. vol. 133; p. 75.
- Wood, M. M., Schenectady, N. Y., assignor to General Electric Company. Adapter for incandescent-lamp sockets. No. 888,378; May 19; Sp. p. 4086; Dr. p. 862; Gaz. vol. 134; p. 727.
- Wood, M. M., Chicago, Ill., assignor to General Electric Company. Rail-bond. No. 895,928; Aug. 11; Sp. p. 2296; Dr. p. 490; Gaz. vol. 135; p. 1296.
- Wood, N. B., assignor to H. G. Stripe, New York, N. Y. Collapsible box. No. 888,774; May 26; Sp. p. 4927; Dr. p. 1050; Gaz. vol. 134; p. 890.
- Wood, R. A., New York, N. Y. Recorder. No. 876,854; Jan. 14; Sp. p. 2359; Dr. pp. 516-17; Gaz. vol. 132; p. 417.
- Wood, R. L., assignor to J. R. Wood & Sons, New York, N. Y. Display-holder for gems. No. 884,968; Apr. 14; Sp. p. 2657; Dr. p. 565; Gaz. vol. 133; p. 1642.
- Wood, S. A., assignor to Record Electric Railway Signal Company and United Electric Signal Company, Providence, R. I. Block-signal-ing apparatus. No. 907,668; Dec. 22; Sp. p. 5039; Gaz. vol. 137; p. 1903.
- Wood, S. C. (See Bianchi, J., assignor.)
- Wood, T. C. (See Starr and Wood.)

Alphabetical list of patentees—Continued.

- Wood, W. A., Montreal, Quebec, Canada. Workman's time-recorder. No. 886,456; May 5; Sp. p. 222; Dr. pp. 47-8; Gaz. vol. 134; p. 42.
- Wood, W. A., Germfask, Mich. Saw-set. No. 893,121; July 14; Sp. p. 1487; Dr. p. 314; Gaz. vol. 135; p. 274.
- Wood, W. A., New York, N. Y. Rope-carrier for conveyers or cableways. No. 907,213; Dec. 22; Sp. p. 4068; Gaz. vol. 137; p. 1751.
- Wood, W. A., Ansonia, Conn., assignor to Coe Brass Manufacturing Company. Automatic blocking attachment for strip-rolls. No. 880,434; Feb. 25; Sp. p. 5247; Dr. pp. 1103-4; Gaz. vol. 132; p. 1788.
- Wood, W. H., Minneapolis, Minn. Bread kneading and molding machine. No. 883,370; Mar. 31; Sp. p. 5743; Dr. pp. 1226-7; Gaz. vol. 133; p. 1067.
- Wood, W. H., Media, Pa. Steam-boiler. No. 885,123; Apr. 21; Sp. p. 2990; Dr. p. 631; Gaz. vol. 133; p. 1725.
- Wood, W. H., Cleveland, Ohio. Arch-support. No. 905,617; Dec. 1; Sp. p. 1012; Gaz. vol. 137; p. 1145.
- Wood, W. L., Springfield, Ohio. Copy-holder for type-writers and the like. No. 886,457; May 5; Sp. p. 228; Dr. p. 48; Gaz. vol. 134; p. 43.
- Wood, W. M., Philadelphia, Pa. Antifluator for gas-service pipes. No. 889,423; June 2; Sp. p. 464; Dr. p. 111; Gaz. vol. 134; p. 1133.
- Wood, W. M., Cullman, Ala. Measuring instrument. No. 894,770; July 28; Sp. p. 4948; Dr. p. 1032; Gaz. vol. 135; p. 864.
- Wood, W. T., Nashville, Tenn. Toy. No. 882,604; Mar. 24; Sp. p. 4197; Dr. p. 890; Gaz. vol. 133; p. 787.
- Wood, W. T., Nashville, Tenn. Vapor-lamp. No. 888,679; May 26; Sp. p. 4738; Dr. p. 1007; Gaz. vol. 134; p. 860.
- Woodall, C. J., *et al.* (See Nelson, E. A., assignor.)
- Woodall, G., assignor of one-half to F. J. Hickey, Sacramento, Cal. Low-water alarm. No. 882,807; Mar. 24; Sp. p. 4604; Dr. p. 982; Gaz. vol. 133; p. 853.
- Woodall, H. W., Wimborne, and A. M. Duckham, Upper Parkstone, England, assignors to Isbell-Porter Company. Apparatus for the manufacture of gas. No. 885,308; Apr. 21; Sp. p. 3379; Dr. p. 706-7; Gaz. vol. 133; p. 1787.
- Woodall, H. W., Royston, Wimborne, and A. M. Duckham, Walden, Upper Parkstone, England, assignors to Isbell-Porter Company, Newark, N. J. Vertical retort for the distillation of coal. No. 906,597; Dec. 15; Sp. p. 2861; Gaz. vol. 137; p. 1518.
- Woodard, F. B. (See Trankle, Woodard, and Peterson.)
- Woodard, J. H., assignor to M. J. Maloney, Dayton, Ky. Wrench. No. 900,460; Oct. 6; Sp. p. 837; Dr. p. 170; Gaz. vol. 136; p. 1201.
- Woodard, M. E., Folsom, Cal. Wrapper for fruits. No. 882,134; Mar. 17; Sp. p. 3297; Dr. p. 703; Gaz. vol. 133; p. 601.
- Woodard, R. L., Richburg, N. Y. Well-drilling machine. No. 900,636; Oct. 6; Sp. p. 1210; Dr. pp. 248-9; Gaz. vol. 136; p. 1258.
- Woodbridge, H. C., Salamanca, N. Y. Lubricator. No. 890,952; June 16; Sp. p. 3589; Dr. p. 782; Gaz. vol. 134; p. 1689.
- Woodbridge, H. C., Dubois, Pa. Lubricator. No. 904,107; Nov. 17; Sp. p. 3185; Gaz. vol. 137; p. 579.
- Woodbridge, J. L., Philadelphia, Pa. System of electrical distribution. No. 880,705; Mar. 3; Sp. p. 423; Dr. p. 90; Gaz. vol. 133; p. 76.
- Woodbridge, J. L., Philadelphia, Pa. Electrical distribution. No. 880,706; Mar. 3; Sp. p. 426; Dr. p. 91; Gaz. vol. 133; p. 76.
- Woodbridge, J. L., Philadelphia, Pa. System of electrical distribution. No. 889,567; June 2; Sp. p. 748; Dr. p. 172; Gaz. vol. 134; p. 1178.
- Woodbridge, J. L., Philadelphia, Pa. Train-lighting system. No. 891,221; June 16; Sp. p. 4110; Dr. p. 901; Gaz. vol. 134; p. 1776.
- Woodbridge, J. L., Philadelphia, Pa. System of electrical distribution. No. 895,823; Aug. 11; Sp. p. 2101; Dr. p. 446; Gaz. vol. 135; p. 1263.
- Woodbridge, J. L., Philadelphia, Pa. Electric generator. No. 895,824; Aug. 11; Sp. p. 2105; Dr. p. 446; Gaz. vol. 135; p. 1263.
- Woodbridge, J. L., Philadelphia, Pa. System of electrical distribution. No. 895,825; Aug. 11; Sp. p. 2107; Dr. p. 447; Gaz. vol. 135; p. 1263.
- Woodbridge, J. L., Philadelphia, Pa. System of electrical distribution. No. 897,950; Sept. 8; Sp. p. 1474; Dr. p. 314; Gaz. vol. 136; p. 262.
- Woodbridge, J. L., Philadelphia, Pa. System for electrical distribution. No. 905,971; Dec. 8; Sp. p. 1683; Gaz. vol. 137; p. 1290.
- Woodbury, G. E., San Francisco, Cal. Ore-concentrating table. No. 882,511; Mar. 17; Sp. p. 3990; Dr. pp. 853-4; Gaz. vol. 133; p. 723.
- Woodbury, G. E., San Francisco, Cal. Drive mechanism for ore-concentrators. No. 882,512; Mar. 17; Sp. p. 3996; Dr. p. 854; Gaz. vol. 133; p. 723.
- Woodbury, G. E., San Francisco, Cal. Butter-box fastener. No. 897,442; Sept. 1; Sp. p. 418; Dr. p. 89; Gaz. vol. 136; p. 65.
- Woodbury, G. E., San Francisco, Cal. Pipe-wrench. No. 904,108; Nov. 17; Sp. p. 3187; Gaz. vol. 137; p. 579.
- Woodbury, G. E., San Francisco, Cal. Wrench. No. 904,109; Nov. 17; Sp. p. 3188; Gaz. vol. 137; p. 579.
- Woodbury, M., Brookline, and N. W. Aldrich, Boston, Mass. Coin-controlled food-dispensing apparatus. No. 902,358; Oct. 27; Sp. p. 4798; Dr. p. 969; Gaz. vol. 136; p. 1913.
- Woodbury, S. W., Newton Highlands, assignor to S. Harwood, Newton, and J. H. Harwood, Brookline, Mass. Fibrous-stock feeder. (Reissue.) No. 12,740; Jan. 14; Sp. p. 2525; Dr. p. 552; Gaz. vol. 132; p. 442.
- Woodcock, J. P., New York, N. Y. Car-fender. No. 895,929; Aug. 11; Sp. p. 2297; Dr. p. 490; Gaz. vol. 135; p. 1296.
- Woodcock, J. S., New Lexington, Ohio. Mine-car wheel. No. 895,826; Aug. 11; Sp. p. 2109; Dr. p. 447; Gaz. vol. 135; p. 1264.
- Woodcock, W. H., assignor to Niagara Forged Steel Company, Buffalo, N. Y. Brake-beam. No. 884,000; Apr. 7; Sp. p. 674; Dr. p. 135; Gaz. vol. 133; p. 1300.
- Woodhead, P., Cheltenham, Pa. Wrench. No. 906,982; Dec. 15; Sp. p. 3591; Gaz. vol. 137; p. 1640.
- Woodhouse, A. E., Kew, Victoria, Australia. Conduit for electric conductors. No. 896,878; Aug. 25; Sp. p. 4209; Dr. p. 901; Gaz. vol. 135; p. 1649.
- Woodill, A. L., Riverside, Cal. Fruit-packing box. No. 892,570; July 7; Sp. p. 337; Dr. p. 74; Gaz. vol. 135; p. 63.
- Wooding, B. F., Denver, Colo. Electrical signaling apparatus. No. 878,106; Feb. 4; Sp. p. 429; Dr. p. 91; Gaz. vol. 132; p. 918.
- Wooding, B. F., Denver, Colo. Electrical signaling apparatus. No. 882,089; Mar. 17; Sp. p. 3225; Dr. pp. 685-6; Gaz. vol. 133; p. 587.
- Wooding, B. F., Denver, Colo. Chemical-mixing attachment for hose. No. 885,902; Apr. 28; Sp. p. 4585; Dr. p. 961; Gaz. vol. 133; p. 2007.
- Woodland, F. O., Worcester, Mass. Labeling-machine. No. 900,816; Oct. 13; Sp. p. 1596; Dr. p. 323; Gaz. vol. 136; p. 1345.
- Woodling, J. W., and B. H. Confer, Albion, Pa. Cab-light. No. 893,689; July 21; Sp. p. 2658; Dr. p. 558; Gaz. vol. 135; p. 488.
- Woodring, G. (See McMichael, F., assignor.)
- Woodruff, C. E., *et al.* (See Kain, W. P., assignor.)
- Woodruff, F., assignor to H. C. Fry, Rochester, Pa. Grinding glass tumblers. No. 905,486; Dec. 1; Sp. p. 757; Gaz. vol. 137; p. 1105.
- Woodruff, J. I., Selinsgrove, Pa. Ink-well. No. 904,664; Nov. 24; Sp. p. 4374; Gaz. vol. 137; p. 795.
- Woodruff, W. B., Cadiz, Ky. Woodworking-machine. No. 889,739; June 2; Sp. p. 1075; Dr. pp. 248-50; Gaz. vol. 134; p. 1232.
- Woodruff, W. B., Cadiz, Ky. Tool-handle. No. 900,339; Oct. 6; Sp. p. 562; Dr. p. 117; Gaz. vol. 136; p. 1161.
- Woods, C. L. (See Clark, J. H., assignor.)
- Woods, E. S., Chicago, Ill. Brake-shoe. No. 885,414; Apr. 21; Sp. p. 3601; Dr. p. 755; Gaz. vol. 133; p. 1822.
- Woods, F. C., Galesburg, Ill. Combined fused connector and lightning-arrester for electric wires. No. 883,272; Mar. 31; Sp. p. 5550; Dr. p. 1184; Gaz. vol. 133; p. 1036.
- Woods, F. C., Ogden, Utah, assignor of one-eighth to F. L. Woods, one-eighth to C. H. Hussey, and one-twelfth to B. O. McKay. Chalk-eraser holder. No. 896,605; Aug. 18; Sp. p. 3626; Dr. p. 779; Gaz. vol. 135; p. 1538.
- Woods, F. L., *et al.* (See Woods, F. C., assignor.)
- Woods, H., *et al.* (See Barnes, J., assignor.)
- Woods, J. D., Steubenville, Ohio. Ink-well. No. 879,712; Feb. 18; Sp. p. 3752; Dr. p. 787; Gaz. vol. 132; p. 1516.
- Woods, J. D., and W. J. Yost, Steubenville, Ohio. Nut-lock. No. 892,202; June 30; Sp. p. 6121; Dr. p. 1316; Gaz. vol. 134; p. 2164.
- Woods, J. O., assignor of one-half to J. W. Graham, Riverside, Wash. Thermostatic circuit-closer. No. 884,969; Apr. 14; Sp. p. 2658; Dr. p. 565; Gaz. vol. 133; p. 1642.
- Woods, J. Y., *et al.* (See Woods and Sipes, assignors.)
- Woods, L. G., Pittsburg, Pa. Journal-box. No. 904,665; Nov. 24; Sp. p. 4377; Gaz. vol. 137; p. 795.
- Woods, N. E., Richmond, Va. Drill-socket. No. 894,250; July 28; Sp. p. 3917; Dr. p. 810; Gaz. vol. 135; p. 694.
- Woods, R., Grand Forks, N. D. Shocker. No. 885,821; Apr. 28; Sp. p. 4435; Dr. pp. 931-2; Gaz. vol. 133; p. 1981.
- Woods, R. L., assignor of one-third to S. P. Harris, Nashville, Tenn. Overland steam-coach. No. 884,882; Apr. 14; Sp. p. 2486; Dr. p. 524; Gaz. vol. 133; p. 1616.
- Woods, S. D., and V. Y. Sipes, assignors to J. Y. Woods and A. H. Coughanour, Connellsville, Pa. Heat-radiator. No. 888,413; May 19; Sp. p. 4171; Dr. p. 883; Gaz. vol. 134; p. 739.
- Woods, S. E., Lockwood, Okla. Corn-topper. No. 876,615; Jan. 14; Sp. p. 1918; Dr. pp. 418-19; Gaz. vol. 132; p. 341.
- Woods, W. M. (See Garver, A. C., assignor.)
- Woodson, E. V., Bluefield, W. Va. Fence. No. 903,258; Nov. 10; Sp. p. 1454; Gaz. vol. 137; p. 268.
- Woodward, A., assignor of one-half to W. S. Bailey, Leeper, Mo. Hame-clasp. No. 885,124; Apr. 21; Sp. p. 2992; Dr. p. 631; Gaz. vol. 133; p. 1726.
- Woodward, B. C., and H. E. Scaff, Nashville, Tenn. Ball-bearing caster. No. 908,188; Dec. 29; Sp. p. 6111; Gaz. vol. 137; p. 2105.
- Woodward, C. (See Suess, J., assignor.)
- Woodward, C. A., Baltimore, Md. Watermelon-carrier. No. 882,808; Mar. 24; Sp. p. 4606; Dr. p. 982; Gaz. vol. 133; p. 853.
- Woodward, C. J., New York, N. Y. Door-latch. No. 885,559; Apr. 21; Sp. p. 3893; Dr. p. 814; Gaz. vol. 133; p. 1865.
- Woodward, G. H., San Francisco, Cal. External valve-chamber. No. 878,924; Feb. 11; Sp. p. 2147; Dr. p. 448; Gaz. vol. 132; p. 1220.
- Woodward, I. S., Wichita, Kans. Seesaw and rotary swing. No. 879,937; Feb. 25; Sp. p. 4251; Dr. p. 889; Gaz. vol. 132; p. 1624.
- Woodward, J. H. (See Marxen and Woodward.)

Alphabetical list of patentees—Continued.

- Woodward, O., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 877,541; Jan. 28; Sp. p. 3814; Dr. pp. 825-6; Gaz. vol. 132; p. 708.
- Woodward, O., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 893,826; July 21; Sp. p. 3029; Dr. pp. 619-20; Gaz. vol. 135; p. 535.
- Woodward, O., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 893,827; July 21; Sp. p. 3033; Dr. p. 620; Gaz. vol. 135; p. 535.
- Woodward, O., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 893,828; July 21; Sp. p. 3035; Dr. p. 621; Gaz. vol. 135; p. 535.
- Woodward, O., New York, assignor to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 900,461; Oct. 6; Sp. p. 839; Dr. pp. 170-1; Gaz. vol. 136; p. 1202.
- Woodward, O., Montclair, N. J., assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 893,829; July 21; Sp. p. 3040; Dr. p. 621; Gaz. vol. 135; p. 535.
- Woodward, O., New York, assignor to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 896,789; Aug. 25; Sp. p. 4018; Dr. p. 865; Gaz. vol. 135; p. 1620.
- Woodward, O., New York, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 902,039; Oct. 27; Sp. p. 4131; Dr. pp. 836-8; Gaz. vol. 136; p. 1809.
- Woodward & Powell Planer Company. (See Earl, W. W., assignor.)
- Woodward, R. F. (See Rolfson-Schmidt, S., assignor.)
- Woodward, R. G., Waukegan, assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 878,442; Feb. 4; Sp. p. 1091; Dr. p. 223; Gaz. vol. 132; p. 1028.
- Woodward, R. G., Waukegan, assignor to Union Special Sewing Machine Company, Chicago, Ill. Sewing-machine. No. 890,582; June 9; Sp. p. 2777; Dr. pp. 614-15; Gaz. vol. 134; p. 1535.
- Woodward, R. G., Waukegan, assignor to Union Special Sewing Machine Company, Chicago, Ill. Sewing and ruffling machine. No. 891,789; June 23; Sp. p. 5291; Dr. pp. 1145-6; Gaz. vol. 134; p. 1998.
- Woodward, R. G., Waukegan, Ill., assignor to Union Special Sewing Machine Company. Attachment for guiding edging to sewing-machines. No. 895,394; Aug. 4; Sp. p. 1226; Dr. p. 259; Gaz. vol. 135; p. 1099.
- Woodward, R. G., Waukegan, assignor to Union Special Sewing Machine Company, Chicago, Ill. Device for controlling the needle-loop on overseaming sewing-machines. No. 899,479; Sept. 22; Sp. p. 4390; Dr. p. 943; Gaz. vol. 136; p. 813.
- Woodward, R. G., Waukegan, assignor to Union Special Sewing Machine Company, Chicago, Ill. Thread-controlling device for sewing-machines. No. 908,434; Dec. 29; Sp. p. 6649; Gaz. vol. 137; p. 2191.
- Woodward, W. K., New York, N. Y. Means for writing a plurality of signatures or inscriptions. No. 880,950; Mar. 3; Sp. p. 928; Dr. p. 201; Gaz. vol. 133; p. 157.
- Woodward and Wright. (See Benton, F. E., assignor.)
- Woodworth, G. K. (See De Forest, L., assignor.)
- Woodworth, R. B., Pittsburg, Pa. Metal sheet-piling. No. 888,135; May 19; Sp. p. 3629; Dr. p. 760; Gaz. vol. 134; p. 649.
- Woodworth, T. C., Williams, Ariz. Terr., assignor to F. B. Keever. Nut-lock. No. 905,618; Dec. 1; Sp. p. 1014; Gaz. vol. 137; p. 1146.
- Wooley, J. W., Norfolk, Va. Shut-worker. No. 879,350; Feb. 18; Sp. p. 2969; Dr. p. 620; Gaz. vol. 132; p. 1398.
- Wooley, A. E., New York, N. Y. Purifying water and sewage. No. 892,486; July 7; Sp. p. 181; Dr. p. 38; Gaz. vol. 135; p. 35.
- Wooley, D., *et al.* (See Weaser, W. H., assignor.)
- Wooley, E. J., assignor to Wooley Valve Gear Company, Minneapolis, Minn. Reversible explosive compound engine. No. 878,925; Feb. 11; Sp. p. 2148; Dr. p. 449; Gaz. vol. 132; p. 1220.
- Wooley, E. J., assignor to Wooley Valve Gear Company, Minneapolis, Minn. Explosive compound engine. No. 881,214; Mar. 10; Sp. p. 1437; Dr. pp. 310-11; Gaz. vol. 133; p. 273.
- Wooley, M., *et al.* (See Weaser, W. H., assignor.)
- Wooley Valve Gear Company. (See Wooley, E. J., assignor.)
- Woolfenden, J. J., Detroit, Mich. Hand-bag lock. No. 884,787; Apr. 14; Sp. p. 2313; Dr. p. 486; Gaz. vol. 133; p. 1587.
- Woolgar, W., Saginaw, Mich. Bolt-cutter. No. 907,936; Dec. 29; Sp. p. 5578; Gaz. vol. 137; p. 2021.
- Wooland, W. H. (See Henry, H. W., assignor.)
- Woolen, M. A., *et al.* (See Calton, F. T., assignor.)
- Woolley, J. W., Denver, Colo. Victoria and buggy top. No. 906,352; Dec. 8; Sp. p. 2424; Gaz. vol. 137; p. 1416.
- Woolley, L. G., assignor to J. C. Riley, Lima, Ohio. Fire-alarm box. No. 894,304; July 28; Sp. p. 4045; Dr. p. 835; Gaz. vol. 135; p. 712.
- Woolley, L. G., assignor to J. C. Riley, Lima, Ohio. Signal apparatus. No. 905,266; Dec. 1; Sp. p. 281; Gaz. vol. 137; p. 1031.
- Woollicroft, J. H., Hawarden, near Chester, England. Belt-fastener. No. 904,910; Nov. 24; Sp. p. 4905; Gaz. vol. 137; p. 876.
- Woolnough, A. E., New York, N. Y. Toy. No. 898,813; Sept. 15; Sp. p. 3142; Dr. p. 673; Gaz. vol. 136; p. 570.
- Woolums, W. H., assignor to Home Security Vault and Pocket Bank Company, Chicago, Ill. Locking mechanism for coin-receptacles. No. 901,409; Oct. 20; Sp. p. 2804; Dr. p. 572; Gaz. vol. 136; p. 1573.
- Wooten, W. W., Berlin, N. J. Speed regulator and indicator. No. 876,673; Jan. 14; Sp. p. 2035; Dr. p. 444; Gaz. vol. 132; p. 361.
- Wooten, J. S., *et al.* (See Ferriotti, C. L., assignor.)
- Wooten, O., Pacific, Mo. Hay-wagon brake. No. 894,562; July 28; Sp. p. 4563; Dr. pp. 945-6; Gaz. vol. 135; p. 797.
- Wootton, W. S., Roanoke, Va. Shirt-suspensory. No. 887,450; May 12; Sp. p. 2284; Dr. p. 479; Gaz. vol. 134; p. 395.
- Wootton, W. S., Roanoke, Va. Bolt-lock. No. 893,965; July 21; Sp. p. 3305; Dr. p. 679; Gaz. vol. 135; p. 580.
- Worcester Envelope Company. (See Waterhouse, E. F., assignor.)
- Worcester Pressed Steel Company. (See Anderson, A. G., assignor.)
- Worcester Railway Supply Company. (See Smith, J. M., assignor.)
- Worcester Steel Foundry Company. (See Oakley, W. E., assignor.)
- Worcester, T. M., assignor to Bromwell Brush and Wire Goods Company, Cincinnati, Ohio. Clamp-rib for ironwork. No. 894,711; July 28; Sp. p. 4843; Dr. p. 1007; Gaz. vol. 135; p. 845.
- Worden, E. G., New York, N. Y. Door-hanger. No. 904,393; Nov. 17; Sp. p. 3795; Gaz. vol. 137; p. 677.
- Work, E. A., *et al.* (See Snyder, A. B., assignor.)
- Work, L., Wilkesburg, Pa. Speed-indicator. No. 902,791; Nov. 3; Sp. p. 498; Gaz. vol. 137; p. 87.
- Work, R. D. (See Hoffner, L. B., assignor.)
- Worman, T. (See Rostron and Worman.)
- Worrell, E. W. (See Fisher, J. F., assignor.)
- Worrell, J., Linden, Tenn. Horse-detacher. No. 904,666; Nov. 24; Sp. p. 4378; Gaz. vol. 137; p. 795.
- Worrest, A. H., Lancaster, Pa. Hub-attaching device. No. 892,701; July 7; Sp. p. 597; Dr. p. 129; Gaz. vol. 135; p. 105.
- Worsdell, T. W., *et al.* (See Borries, F. W. A. von, assignor.) (Reissue.)
- Worsey, C. H., Lynn, Mass., assignor to General Electric Company. Bucket-wheel for turbines. No. 905,487; Dec. 1; Sp. p. 759; Gaz. vol. 137; p. 1105.
- Worst, G. N. (See Hostetter and Worst.)
- Wortche, H. W., Baltimore, Md. Composition of matter. No. 887,173; May 12; Sp. p. 1644; Gaz. vol. 134; p. 302.
- Worth, G. E., Barnard, N. Y. Hemp-brake. No. 878,702; Feb. 11; Sp. p. 1721; Dr. p. 356; Gaz. vol. 132; p. 1150.
- Worth, J. D. (See Worth, W. and J. D.)
- Worth, J. S., *et al.* (See Worth and Harrison, assignors.)
- Worth, J. S., assignor of one-half to W. P. Worth, Coatesville, Pa. Bearing. No. 891,649; June 23; Sp. p. 5022; Dr. p. 1081; Gaz. vol. 134; p. 1950.
- Worth, J. S., assignor to himself and W. P. Worth, Coatesville, Pa. Rolling-mill table. No. 891,126; June 16; Sp. p. 3901; Dr. pp. 854-5; Gaz. vol. 134; p. 1724.
- Worth, J. S., and W. F. Harrison, assignors to J. S. and W. P. Worth, Coatesville, Pa. Tube-sizing mill. No. 891,650; June 23; Sp. p. 5024; Dr. pp. 1081-2; Gaz. vol. 134; p. 1950.
- Worth, W. O., Evansville, Ind. Power-transmitting mechanism. No. 882,513; Mar. 17; Sp. p. 3998; Dr. pp. 855-6; Gaz. vol. 133; p. 724.
- Worth, W. O., Evansville, Ind. Spring suspension. No. 897,694; Sept. 1; Sp. p. 918; Dr. p. 196; Gaz. vol. 136; p. 147.
- Worth, W. O., Evansville, Ind. Explosive-engine. No. 907,669; Dec. 22; Sp. p. 5042; Gaz. vol. 137; p. 1904.
- Worth, W. O., and J. D., Chicago, Ill.; said W. O. Worth assignor to A. R. Burkdoll. Multiple friction transmission-gear. No. 906,844; Dec. 15; Sp. p. 3331; Gaz. vol. 137; p. 1597.
- Worth, W. P. (See Worth, J. S., assignor.)
- Worth, W. P., *et al.* (See Worth, J. S., assignor.)
- Worth, W. P., *et al.* (See Worth and Harrison, assignors.)
- Worthen, A. J., assignor of two-thirds to J. G. Odenwalder, St. Louis, Mo., and C. H. Lothrop, Everett, Mass. Safety-elevator. No. 898,298; Sept. 8; Sp. p. 2151; Dr. p. 457; Gaz. vol. 136; p. 371.
- Worthen, B. L., Tucson, Ariz. Terr. Circulatory system for furnaces. No. 894,869; Aug. 4; Sp. p. 131; Dr. p. 29; Gaz. vol. 135; p. 923.
- Worthington, C. W., Rushville, Ill. Combination-hinge for scale and wagon racks. No. 887,889; May 19; Sp. p. 3167; Dr. p. 666; Gaz. vol. 134; p. 570.

Alphabetical list of patentees—Continued.

- Worthington, E. A., Lincoln, Nebr. Safety-brake for elevators. No. 885,560; Apr. 21; Sp. p. 3898; Dr. pp. 814-15; Gaz. vol. 133; p. 1866.
- Worthington, H. R. (See Mueller, O. H., assignor.)
- Worthington, J., Manitowoc, Wis. Strain-distributing device for vehicles. No. 879,349; Feb. 18; Sp. p. 2968; Dr. p. 620; Gaz. vol. 132; p. 1398.
- Worthington, R. L., Philadelphia, Pa. Street-cleaner. No. 897,505; Sept. 1; Sp. p. 539; Dr. p. 115; Gaz. vol. 136; p. 86.
- Wortman, G. C., Wortman, Colo. Push-car. No. 905,121; Nov. 24; Sp. p. 5324; Gaz. vol. 137; p. 947.
- Wortman, G. C., Wortman, Colo. Dumping push-car. No. 908,435; Dec. 29; Sp. p. 6651; Gaz. vol. 137; p. 2191.
- Wortman, M. G., Argentine, Kans. Car-brake. No. 891,894; June 30; Sp. p. 5521; Dr. p. 1192; Gaz. vol. 134; p. 2064.
- Wortsmith, F., Jr. (See Hauser, M., assignor.)
- Wöscher, A., assignor to Farbwerke vorm. Meister Lucius & Brüning. Höchst-on-the-Main, Germany. Dyeing sulfur dyes. No. 907,937; Dec. 29; Sp. p. 5579; Gaz. vol. 137; p. 2021.
- Wouters, A. H., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Turbo-generator construction. No. 892,487; July 7; Sp. p. 184; Dr. p. 38; Gaz. vol. 135; p. 36.
- Wouters, A. H., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Turbo-generator. No. 894,305; July 28; Sp. p. 4047; Dr. p. 835; Gaz. vol. 135; p. 713.
- Wouters, A. H., Norwood, Ohio, assignor to Allis-Chalmers Company and Bullock Electric Manufacturing Company. Dynamo-electric machine of the inclosed type. No. 899,370; Sept. 22; Sp. p. 4198; Dr. p. 899; Gaz. vol. 136; p. 779.
- Wouwermans, P., von, assignor to L. Loewenstein, Vienna, Austria-Hungary. Bunsen burner. No. 881,877; Mar. 10; Sp. p. 2767; Dr. pp. 593-4; Gaz. vol. 133; p. 489.
- Wouwermans, P., von, assignor to Gasspar-Unternehmung Nach System Wouwermans Halbmayr & Co., Vienna, Austria-Hungary. Bunsen burner. No. 882,544; Mar. 17; Sp. p. 4076; Dr. pp. 866-7; Gaz. vol. 133; p. 734.
- Wouwermans, P., von, assignor to Gasspar-Unternehmung Nach System Wouwermans Halbmayr & Co., Vienna, Austria-Hungary. Bunsen burner. No. 882,545; Mar. 17; Sp. p. 4077; Dr. p. 867; Gaz. vol. 133; p. 735.
- Wowra, C., Chicago, Ill. Curtain-pole hanger. No. 902,635; Nov. 3; Sp. p. 205; Gaz. vol. 137; p. 35.
- Wrabek, F. M., Lesueur Center, Minn. Excavating-machine. No. 879,231; Feb. 18; Sp. p. 2740; Dr. p. 572; Gaz. vol. 132; p. 1359.
- Wrampelmeier, T. J., Berkeley, Cal. Case-packing machine. No. 893,888; July 21; Sp. p. 3149; Dr. p. 647; Gaz. vol. 135; p. 554.
- Wrangell, L. H. (See Henrikson and Wrangell.)
- Wratzke, A., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Armor exploding projectile. No. 905,042; Nov. 24; Sp. p. 5161; Gaz. vol. 137; p. 920.
- Wray, E., Janesville, Wis. System of storage-battery control. No. 896,188; Aug. 18; Sp. p. 2788; Dr. p. 601; Gaz. vol. 135; p. 1401.
- Wray, J. G., Chicago, H. T. Gardner, Maywood, and W. G. Kinton, Chicago, Ill., assignors to American Telephone and Telegraph Company. Telephone switching and signaling apparatus. No. 893,414; July 14; Sp. p. 2045; Dr. p. 429; Gaz. vol. 135; p. 368.
- Wray, J. H., Danville, Pa. Tenon-joint fastener. No. 903,529; Nov. 10; Sp. p. 1992; Gaz. vol. 137; p. 357.
- Wray Pump & Register Company. (See Kellogg, G. W., assignor.)
- Wray, W. A., *et al.* (See Grove, M. L., assignor.)
- Wray, W. A. (See Harden, O. C., assignor.)
- Wren, B. F., Boerne, Tex. Hame and trace connector. No. 906,353; Dec. 8; Sp. p. 2425; Gaz. vol. 137; p. 1416.
- Wren, C. J., assignor of one-half to J. F. H. Wyse, Toronto, Ontario, Canada. Holder for brooms. No. 886,458; May 5; Sp. p. 230; Dr. p. 49; Gaz. vol. 134; p. 43.
- Wrench, A. M., *et al.* (See Wrench, E. F., assignor.)
- Wrench, B. P., *et al.* (See Wrench, E. F., assignor.)
- Wrench, E. F., Whitesboro, N. Y., assignor of one-fourth to A. M. Wrench, Telluride, Colo., one-fourth to B. P. Wrench, Yorkville, and two-sixths to W. T. Welden and W. G. Bullion, Richfield Springs, N. Y. Clothes-line reel. No. 885,210; Apr. 21; Sp. p. 3190; Dr. p. 667; Gaz. vol. 133; p. 1755.
- Wright, A. C., assignor to Hopkins & Allen Arms Company, Norwich, Conn. Cylinder-lock for firearms. No. 907,670; Dec. 22; Sp. p. 5046; Gaz. vol. 137; p. 1904.
- Wright, A. F. (See Kehl and Wright.)
- Wright, A. H., South St. Paul, Minn. Automobile. No. 885,822; Apr. 28; Sp. p. 4437; Dr. p. 932; Gaz. vol. 133; p. 1981.
- Wright, A. N., assignor of one-third to H. L. Hill, Jackson Center, Ohio. Telephone-switch. No. 881,878; Mar. 10; Sp. p. 2769; Dr. p. 594; Gaz. vol. 133; p. 489.
- Wright, B. F., Washington, D. C. Mail-bag catcher. No. 903,040; Nov. 3; Sp. p. 1026; Gaz. vol. 137; p. 168.
- Wright, C. (See Long and Wright.)
- Wright, C., assignor of one-half to J. A. Binkey, South Greensburg, Pa. Band-saw sharpener. No. 889,289; June 2; Sp. p. 192; Dr. p. 48; Gaz. vol. 134; p. 1088.
- Wright, C. A., Chicago, Ill. Grain-cleaner. No. 884,551; Apr. 14; Sp. p. 1790; Dr. p. 385; Gaz. vol. 133; p. 1508.
- Wright, C. A., Chicago, Ill. Grain-cleaner. No. 884,552; Apr. 14; Sp. p. 1792; Dr. p. 385; Gaz. vol. 133; p. 1508.
- Wright, C. D., Palestine, Ill. Vehicle-tongue. No. 901,054; Oct. 13; Sp. p. 2073; Dr. p. 422; Gaz. vol. 136; p. 1421.
- Wright, C. H., *et al.* (See Goerdes, F. W., assignor.)
- Wright, C. H. (See Russ, F. A. and J. B., assignors.)
- Wright, C. S., Grand Haven, Mich. Folding bellows-pedal. No. 899,935; Sept. 29; Sp. p. 5376; Dr. pp. 1146-7; Gaz. vol. 136; p. 998.
- Wright, C. T. (See Jennings, F. L., assignor.)
- Wright, C. W., Baltimore, Md. Filter. No. 899,645; Sept. 29; Sp. p. 4762; Dr. p. 1019; Gaz. vol. 136; p. 904.
- Wright, D. D., Arthurette, New Brunswick, Canada. Rail-joint. No. 894,712; July 28; Sp. p. 4845; Dr. p. 1007; Gaz. vol. 135; p. 845.
- Wright, E. (See Clay, P., assignor.)
- Wright, E. C. (See Pomeroy and Wright.)
- Wright, E. P., Richmond, Va. Device for catching gold-filings, &c. No. 890,005; June 9; Sp. p. 1617; Dr. p. 361; Gaz. vol. 134; p. 1346.
- Wright, F. C., Tucson, Ariz. Ter. Cactus-leather. No. 902,359; Oct. 27; Sp. p. 4801; Dr. p. 969; Gaz. vol. 136; p. 1914.
- Wright, F. J., and D. E. Hanson, Neenah, Wis. Rail-fastener for cement ties for railroads. No. 905,972; Dec. 8; Sp. p. 1685; Gaz. vol. 137; p. 1290.
- Wright, F. K., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Lantern. No. 895,132; Aug. 4; Sp. p. 712; Dr. pp. 148-9; Gaz. vol. 135; p. 1012.
- Wright, F. K., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Lantern. No. 895,133; Aug. 4; Sp. p. 714; Dr. p. 149; Gaz. vol. 135; p. 1013.
- Wright, F. W., and P. H. Commerford, Binghamton, N. Y. Automatic piano-player treadle. No. 883,068; Mar. 24; Sp. p. 5112; Dr. pp. 1090-1; Gaz. vol. 133; p. 938.
- Wright, G. M., Worcester, Mass. Woven-wire fence. No. 885,415; Apr. 21; Sp. p. 3604; Dr. p. 755; Gaz. vol. 133; p. 1822.
- Wright, G. W., assignor to Reading Hardware Company, Reading, Pa. Lock-bolt. No. 892,347; June 30; Sp. p. 6390; Dr. p. 1379; Gaz. vol. 134; p. 2211.
- Wright, H. B. (See Hill and Wright.)
- Wright, H. C., Shumansville, Va. Cleaning compound. No. 881,989; Mar. 17; Sp. p. 3013; Gaz. vol. 133; p. 553.
- Wright, H. K., *et al.* (See Deckelmann, O. J., assignor.)
- Wright, J., Follokshields, Scotland. Apparatus for transferring inlaid linoleum to a backing. No. 906,178; Dec. 8; Sp. p. 2089; Gaz. vol. 137; p. 1358.
- Wright, J., Follokshields, Scotland. Machinery for calendering linoleum and like fabrics. No. 906,179; Dec. 8; Sp. p. 2090; Gaz. vol. 137; p. 1358.
- Wright, J. A., and A. M. Nicodemus, Chicago, Ill. Dental mirror. No. 893,293; July 14; Sp. p. 1826; Dr. p. 383; Gaz. vol. 135; p. 329.
- Wright, J. B., Greensboro, N. C. Air-brake. No. 888,566; May 26; Sp. p. 4490; Dr. p. 951; Gaz. vol. 134; p. 822.
- Wright, J. B., Greensboro, N. C. Air-brake. No. 888,567; May 26; Sp. p. 4493; Dr. p. 952; Gaz. vol. 134; p. 823.
- Wright, J. E., *et al.* (See Stokes, H., assignor.)
- Wright, J. E., Dyer, Ark. Cultivator attachment. No. 895,134; Aug. 4; Sp. p. 715; Dr. pp. 149-50; Gaz. vol. 135; p. 1013.
- Wright, J. F., Barberton, Ohio, assignor to Diamond Match Company, New York, N. Y. Match-machine. No. 901,410; Oct. 20; Sp. p. 2805; Dr. pp. 572-3; Gaz. vol. 136; p. 1574.
- Wright, J. T., assignor of one-half to E. S. Davis, Richmond, Va. Dental instrument. No. 882,363; Mar. 17; Sp. p. 3744; Dr. p. 797; Gaz. vol. 133; p. 674.
- Wright, M. A., *et al.* (See Shawver, J. W., assignor.)
- Wright, M. B., Traverse City, Mich. Adjustable car-stake for permanent use on logging-cars. No. 907,547; Dec. 22; Sp. p. 4729; Gaz. vol. 137; p. 1864.
- Wright, M. S., Worcester, Mass. Pneumatic action for musical instruments. No. 901,273; Oct. 13; Sp. p. 2473; Dr. p. 508; Gaz. vol. 136; p. 1490.
- Wright, R., Cleveland, Ohio. Automobile-horn. No. 896,606; Aug. 18; Sp. p. 3628; Dr. p. 779; Gaz. vol. 135; p. 1538.
- Wright, R. C., Philadelphia, Pa., and F. E. Stebbins, Washington, D. C. Freight-car and locomotive-tender truck. No. 895,827; Aug. 11; Sp. p. 2110; Dr. pp. 447-8; Gaz. vol. 135; p. 1264.
- Wright, R. H. (See Bracy, E. L., assignor.)

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- Wright, R. H., and M. S. Gill, Mexico, Mo. Rotary engine. No. 880,614; Mar. 3; Sp. p. 251; Dr. pp. 52-3; Gaz. vol. 133; p. 44.
- Wright, R. L., assignor to Electric Controller and Supply Company, Cleveland, Ohio. Electric controller. No. 885,967; Apr. 28; Sp. p. 4747; Dr. p. 997; Gaz. vol. 133; p. 2031.
- Wright, R. L., assignor to Electric Controller and Supply Company, Cleveland, Ohio. Controlling system for lifting-magnets. No. 895,135; Aug. 4; Sp. p. 716; Dr. p. 150; Gaz. vol. 135; p. 1013.
- Wright, R. L., and H. E. Frost, assignors to Electric Controller & Supply Company, Cleveland, Ohio. Magnetic separator. No. 901,765; Oct. 20; Sp. p. 3574; Dr. p. 724; Gaz. vol. 136; p. 1691.
- Wright, R. L., San Antonio, Tex. Cooling device for lard-compounding machines. No. 888,680; May 26; Sp. p. 4740; Dr. p. 1007; Gaz. vol. 134; p. 860.
- Wright, S. D., Cleveland, Ohio. Dump-car. No. 906,088; Dec. 8; Sp. p. 1916; Gaz. vol. 137; p. 1327.
- Wright, S. M., Memphis, Tenn. Metallic barrel. No. 884,450; Apr. 14; Sp. p. 1579; Dr. p. 340; Gaz. vol. 133; p. 1475.
- Wright, S. V., Toledo, Ohio. Box. No. 905,398; Dec. 1; Sp. p. 536; Gaz. vol. 137; p. 1076.
- Wright, T., Reading, Pa. Stop-motion and regulator for winding-machines. No. 883,853; Mar. 3; Sp. p. 754; Dr. p. 160; Gaz. vol. 133; p. 127.
- Wright, W. E., Saltsburg, Pa. Whip. No. 880,951; Mar. 3; Sp. p. 935; Dr. p. 202; Gaz. vol. 133; p. 158.
- Wright, W. H., Lick Observatory, Cal. Illuminating sighting appliance. No. 894,306; July 28; Sp. p. 4049; Dr. p. 836; Gaz. vol. 135; p. 713.
- Wright, W. Q., San Francisco, Cal., assignor to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Turbine. No. 890,006; June 9; Sp. p. 1620; Dr. p. 362; Gaz. vol. 134; p. 1346.
- Wright, W. S., Newark, Ohio. Semiconvertible car. No. 884,788; Apr. 14; Sp. p. 2315; Dr. pp. 486-7; Gaz. vol. 133; p. 1587.
- Wright Wire Company. (See Barlow, A. E., assignor.)
- Wright Wire Company. (See Berthiaume and Barlow, assignors.)
- Wright Wire Company. (See Trudeau, F. L., assignor.)
- Wrightsmen, W., assignor of one-half to D. S. Haynes, Evansville, Ind. Combination-tool. No. 906,180; Dec. 8; Sp. p. 2093; Gaz. vol. 137; p. 1359.
- Wrightson, G. W., East Syracuse, N. Y. Railway-crossover. No. 891,390; June 23; Sp. p. 4470; Dr. pp. 973-4; Gaz. vol. 134; p. 1865.
- Wrightsville Hardware Company. (See Phillips, A. E., assignor.)
- Wrigley, E., Auckland, New Zealand. Machine for splitting and splaying the ends of metal bars. No. 901,667; Oct. 20; Sp. p. 3337; Dr. p. 685; Gaz. vol. 136; p. 1656.
- Wrigley, G., Greenville, S. C. Tie-wire clamp. No. 887,896; May 19; Sp. p. 3180; Dr. p. 669; Gaz. vol. 134; p. 573.
- Willa, R., Chicago, Ill. Combination-paddock. No. 906,354; Dec. 8; Sp. p. 2426; Gaz. vol. 137; p. 1416.
- Wroe, J. P., assignor of one-half to G. J. Mauer, Lagrange, Tex. Saddle-tree-bar and steel fork. No. 895,707; Aug. 11; Sp. p. 1855; Dr. p. 394; Gaz. vol. 135; p. 1226.
- Wruock, E. A., Norwalk, Wis. Arch-iron for hay-racks. No. 877,156; Jan. 21; Sp. p. 3032; Dr. p. 656; Gaz. vol. 132; p. 560.
- Wry, C. E., and C. R. Jones, Forest City, Iowa. Acetylene-gas generator. No. 892,924; July 7; Sp. p. 1078; Dr. p. 226; Gaz. vol. 135; p. 179.
- Wuest, A. G., assignor to Energy Elevator Company, Philadelphia, Pa. Automatic friction-brake mechanism for elevators or hoists. No. 903,805; Nov. 10; Sp. p. 2543; Gaz. vol. 137; p. 445.
- Wuest, C., assignor of one-half to M. L. Wilkening, Jamaica, N. Y. Medicine-injector for veterinary purposes. No. 891,515; June 23; Sp. p. 4732; Dr. p. 1024; Gaz. vol. 134; p. 1906.
- Wuest, P., Jr., assignor to Auto-Manual Piano Action Company, Philadelphia, Pa. Rhythm-indicator for mechanical musical instruments. No. 875,974; Jan. 7; Sp. p. 562; Dr. p. 121; Gaz. vol. 132; p. 98.
- Wuest, P., Jr., assignor to Auto-Manual Piano Action Company, Philadelphia, Pa. Music-roll-marking device. No. 888,290; May 19; Sp. p. 3920; Dr. p. 825; Gaz. vol. 134; p. 700.
- Wuest, P., Jr., assignor to O. Blasius, Philadelphia, Pa. Automatic-playing piano. No. 906,355; Dec. 8; Sp. p. 2429; Gaz. vol. 137; p. 1417.
- Wuesthoff, P. (See Kuhlewind, C., assignor.)
- Wuitch, W. G., assignor to Pasteur-Chamberland Filter Company, Dayton, Ohio. Cooler. No. 885,125; Apr. 21; Sp. p. 2994; Dr. p. 632; Gaz. vol. 133; p. 1726.
- Wulf, J., Omaha, Nebr. Wagon-brake. No. 902,360; Oct. 27; Sp. p. 4802; Dr. pp. 969-70; Gaz. vol. 136; p. 1914.
- Wülfing, Dahl & Co., Actiengesellschaft. (See Ulrichs, E., assignor.)
- Wullenwaber, F. N. (See Hatfield and Wullenwaber.)
- Wunner, J., New York, N. Y. Amusement device. No. 878,703; Feb. 11; Sp. p. 1723; Dr. pp. 356-7; Gaz. vol. 132; p. 1150.
- Wunner'sche Bitumenwerke G. M. B. H. (See Heide, H. v. d., assignor.)
- Wurdack, E., Baxter Springs, Kans. Apparatus for concentrating ores. No. 890,007; June 9; Sp. p. 1621; Dr. p. 363; Gaz. vol. 134; p. 1347.
- Wurde mann, F. H., National Military Home, Tenn. Fountain-pen. No. 881,215; Mar. 10; Sp. p. 1441; Dr. p. 311; Gaz. vol. 133; p. 273.
- Wurker, A., Karlshorst, near Berlin, assignor to Firm of J. Pintsch, Berlin, Germany. Inverted incandescent lamp with emergency-burner. No. 880,615; Mar. 3; Sp. p. 258; Dr. p. 534; Gaz. vol. 133; p. 45.
- Würl, E., Prague-Weinberge, and R. von Mattencloft, Fischely, near Prague, Austria-Hungary. Press for the manufacture of articles from granular or fibrous material. No. 889,081; May 26; Sp. p. 5537; Dr. pp. 1177-8; Gaz. vol. 134; p. 990.
- Wurster, C. F., assignor to S. W. Evans, Jr., Philadelphia, Pa. Umbrella rib and stretcher connection. No. 907,433; Dec. 22; Sp. p. 4515; Gaz. vol. 137; p. 1826.
- Wurster, C. F., assignor to S. W. Evans, Jr., Philadelphia, Pa. Umbrella rib and stretcher connection. No. 907,434; Dec. 22; Sp. p. 4517; Gaz. vol. 137; p. 1827.
- Wyand, W., Collingswood, N. J. Turbine. No. 893,217; July 14; Sp. p. 1680; Dr. p. 355; Gaz. vol. 135; p. 303.
- Wyant, C. E., Chicago, Ill. Suspender-end. No. 876,855; Jan. 14; Sp. p. 2361; Dr. p. 517; Gaz. vol. 132; p. 418.
- Wyant, M. (See Schies and Wyant.)
- Wyatt, A. E., Hoboken, N. J. Vending-machine. No. 890,115; June 9; Sp. p. 1840; Dr. p. 406; Gaz. vol. 134; p. 1383.
- Wyatt, A. E., assignor to Great American Automatic Vending Machine Company, Hoboken, N. J. Vending-machine. No. 888,291; May 19; Sp. p. 3922; Dr. pp. 825-6; Gaz. vol. 134; p. 700.
- Wyatt, J., Chicago, Ill. Music-leaf turner. No. 907,214; Dec. 22; Sp. p. 4070; Gaz. vol. 137; p. 1751.
- Wyatt, J. H. (See Scott and Wyatt.)
- Wyatt, W., Sydney, assignor to T. D. P. Holden, Redfern, near Sydney, New South Wales, Australia. Wedge for securing the handles of axes, hammers, &c. No. 898,950; Sept. 15; Sp. p. 3382; Dr. p. 726; Gaz. vol. 136; p. 615.
- Wyckoff, Church & Partridge. (See McMurtry, A. L.)
- Wyckoff, H. W., deceased, Indianapolis, Ind.; N. H. Richardson, administrator. Wire-connector. No. 902,040; Oct. 27; Sp. p. 4137; Dr. p. 838; Gaz. vol. 136; p. 1809.
- Wyckoff, Seamans & Benedict. (See Branson, E. F. M., assignor.)
- Wyckoff, Seamans & Benedict. (See Briggs and Shepard, assignors.)
- Wyckoff, Seamans & Benedict. (See Brown, C. W., assignor.)
- Wyckoff, Seamans & Benedict. (See Burnett, W. E., assignor.)
- Wyckoff, Seamans & Benedict. (See Decker, A. F., assignor.)
- Wyckoff, Seamans & Benedict. (See Farnham, S. H., assignor.)
- Wyckoff, Seamans & Benedict. (See Farnum, W. C., assignor.)
- Wyckoff, Seamans & Benedict. (See Faverio, L., assignor.)
- Wyckoff, Seamans & Benedict. (See Ferguson, H. C., assignor.)
- Wyckoff, Seamans & Benedict. (See Hewitt, A. W., assignor.)
- Wyckoff, Seamans & Benedict. (See Labofish, C. S., assignor.)
- Wyckoff, Seamans & Benedict. (See Peterson, W. V., assignor.)
- Wyckoff, Seamans & Benedict. (See Schmidt, W. A., assignor.)
- Wyckoff, Seamans & Benedict. (See Shepard, C. H., assignor.)
- Wyckoff, Seamans & Benedict. (See Smith, A. F., assignor.)
- Wyckoff, Seamans & Benedict. (See Snyder, A. G., assignor.)
- Wyckoff, Seamans & Benedict. (See Webb, G. B., assignor.)
- Wyckoff, Seamans & Benedict. (See White, H. R., assignor.)
- Wyckoff, Seamans & Benedict. (See Woodward, O., assignor.)
- Wyckoff, Seamans & Benedict. (See Yaw, C. B., assignor.)
- Wyeth, H. L., Garrett, Ill. Clamp. No. 883,604; Mar. 31; Sp. p. 6228; Dr. p. 1328; Gaz. vol. 133; p. 1140.
- Wygant, L. B., assignor of one-half to Ohio Cultivator Company, Bellevue, Ohio. Hay-press. No. 885,823; Apr. 28; Sp. p. 4438; Dr. pp. 932-3; Gaz. vol. 133; p. 1981.
- Wyggle, A. R. (See Wygle, J. R. and A. R.)
- Wygle, J. R. and A. R., Leavenworth, Kans. Barber's pole. No. 884,252; Apr. 7; Sp. p. 1199; Dr. p. 252; Gaz. vol. 133; p. 1381.
- Wyher, J. F., Pittsburg, Pa. Whisk and broom holder. No. 877,277; Jan. 21; Sp. p. 3285; Dr. p. 711; Gaz. vol. 132; p. 601.

Alphabetical list of patentees—Continued.

- Wykel, W. A. (See Hunter and Wykel.)
 Wykes, E. C. (See Spencer and Wykes.)
 Wykoff, E. H. (See Rishel and Wykoff.)
 Wyland, W. S., Lake Fork, Ill. Conveying mechanism. No. 895,529; Aug. 11; Sp. p. 1515; Dr. pp. 320-1; Gaz. vol. 135; p. 1169.
 Wylie, F. S., *et al.* (See Chamberlin, E. A., assignor.)
 Wylie, H. J., Kutztown, Pa. Collar-button. No. 885,416; Apr. 21; Sp. p. 3606; Dr. p. 756; Gaz. vol. 133; p. 1822.
 Wylie, J. H., *et al.* (See Chamberlin, E. A., assignor.)
 Wylie, P. (See Rickard, H. J., assignor.)
 Wylie, T. B., Osborne, Pa. Meter-regulator. No. 888,952; May 26; Sp. p. 5318; Dr. pp. 1128-9; Gaz. vol. 134; p. 949.
 Wyllie, R. E., and J. D. Twobig, Amarillo, Tex. Valve-setting machine. No. 894,995; Aug. 4; Sp. p. 443; Dr. p. 90; Gaz. vol. 135; p. 966.
 Wyman, A. E., Springfield, Mass. Covering objects with sheet-pyroxylin. No. 892,702; July 7; Sp. p. 599; Dr. p. 129; Gaz. vol. 135; p. 105.
 Wyman, C. O., Anoka, Minn. Chain. No. 907,548; Dec. 22; Sp. p. 4729; Gaz. vol. 137; p. 1864.
 Wyman, C. E., Pekin, Ind. Excavating apparatus. No. 894,713; July 28; Sp. p. 4846; Dr. pp. 1007-8; Gaz. vol. 135; p. 846.
 Wyman, G. R., assignor to F. W. Bird & Son, East Walpole, Mass. Paper box. No. 900,904; Oct. 13; Sp. p. 1774; Dr. p. 359; Gaz. vol. 136; p. 1372.
 Wyman, H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 876,418; Jan. 14; Sp. p. 1471; Dr. p. 316; Gaz. vol. 132; p. 272.
 Wyman, H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Bobbin-spindle. No. 886,459; May 5; Sp. p. 232; Dr. p. 49; Gaz. vol. 134; p. 44.
 Wyman, H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Loom-filling-carrier magazine. No. 902,193; Oct. 27; Sp. p. 4436; Dr. p. 898; Gaz. vol. 136; p. 1857.
 Wyman, H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Automatic weft-replenishing loom. No. 904,290; Nov. 17; Sp. p. 3607; Gaz. vol. 137; p. 643.
 Wyman, O. J., Albion, N. Y. Gate. No. 879,507; Feb. 18; Sp. p. 3319; Dr. p. 693; Gaz. vol. 132; p. 1450.
 Wyman, W. F., Oshkosh, Wis. Mattress. No. 877,692; Jan. 28; Sp. p. 4115; Dr. p. 890; Gaz. vol. 132; p. 756.
 Wyne, L. E., *et al.* (See Sieben, H., assignor.)
 Wynkoop, H. S. (See Albert, L., assignor.)
 Wynkoop, J. F., Minneapolis, Minn. Household article. No. 881,758; Mar. 10; Sp. p. 2512; Dr. p. 541; Gaz. vol. 133; p. 448.
 Wynne, E. W., Liverpool, England. Purifying petroleum oils. No. 901,411; Oct. 20; Sp. p. 2810; Gaz. vol. 136; p. 1574.
 Wyper, A., Belle Ellen, Ala. Railway-gate. No. 888,568; May 26; Sp. p. 4496; Dr. pp. 952-3; Gaz. vol. 134; p. 823.
 Wyse, J. F. H. (See Wren, C. J., assignor.)
 Wyson, J. (See Haben, C. W., assignor.)
 Wyson, O. C., Greensboro, N. C. Abrasive apparatus. No. 900,249; Oct. 6; Sp. p. 361; Dr. p. 75; Gaz. vol. 136; p. 1131.
 Wyssling, W., Paris, France. Pressing or molding machine. No. 900,142; Oct. 6; Sp. p. 147; Dr. pp. 30-1; Gaz. vol. 136; p. 1096.
 Wyszynski, J., Blue Island, Ill. Drier-car-handling apparatus. No. 890,745; June 16; Sp. p. 3164; Dr. p. 693; Gaz. vol. 134; p. 1622.
 X-Ray Egg Tester Co. (See Swanson, C. F., assignor.)
 Xander, J. T., assignor of one-half to M. E. Xander, South Bethlehem, Pa. Display-rack. No. 887,715; May 12; Sp. p. 2787; Dr. p. 589; Gaz. vol. 134; p. 483.
 Xander, J. T., assignor of one-half to M. E. Xander, South Bethlehem, Pa. Display-rack. No. 887,716; May 12; Sp. p. 2789; Dr. p. 589; Gaz. vol. 134; p. 484.
 Xander, M. E. (See Xander, J. T., assignor.)
 Yaffe, I. H., Ansonia, Conn. Convertible chair. No. 897,183; Aug. 25; Sp. p. 4845; Dr. p. 1030; Gaz. vol. 135; p. 1749.
 Yale, C. A. and C. E., assignors to Yale Wonder Clock Company, Burlington, Vt. Advertising apparatus. No. 878,171; Feb. 4; Sp. p. 584; Dr. p. 119; Gaz. vol. 132; p. 940.
 Yale, C. E. (See Yale, C. A. and C. E.)
 Yale, C. E., assignor to Yale Wonder Clock Company, Burlington, Vt. Percentage mechanism for coin-controlled apparatus. No. 878,172; Feb. 4; Sp. p. 587; Dr. p. 120; Gaz. vol. 132; p. 940.
 Yale, C. E., assignor to Yale Wonder Clock Company, Burlington, Vt. Automatic cashier and discount machine. No. 878,173; Feb. 4; Sp. p. 588; Dr. pp. 120-1; Gaz. vol. 132; p. 941.
 Yale & Towne Manufacturing Company. (See Augenbraun, P. F., assignor.)
 Yale & Towne Manufacturing Company. (See Erichson, C. A., assignor.)
 Yale & Towne Manufacturing Company. (See Fletcher, J. R., assignor.)
 Yale & Towne Manufacturing Company. (See Haldy, F. G., assignor.)
 Yale & Towne Manufacturing Company. (See Lawrence, A., assignor.)
 Yale & Towne Manufacturing Company. (See Taylor, W. H., assignor.)
 Yale & Towne Manufacturing Company. (See Towne, H. R., assignor.)
 Yale Wonder Clock Company. (See Yale, C. A. and C. E., assignors.)
 Yale Wonder Clock Company. (See Yale, C. E., assignor.)
 Yansky, L. R., Chicago, Ill. Extensible gas-fixture. No. 892,639; July 7; Sp. p. 482; Dr. p. 102; Gaz. vol. 135; p. 86.
 Yarbrough, E. N., Okolona, Ark. Fertilizer-distributor. No. 885,126; Apr. 21; Sp. p. 2995; Dr. p. 632; Gaz. vol. 133; p. 1726.
 Yarnall, J. M., New York, N. Y. Folding paper box. No. 880,952; Mar. 3; Sp. p. 936; Dr. p. 202; Gaz. vol. 133; p. 158.
 Yarnell, C. S., assignor to Moore Carving Machine Co., Minneapolis, Minn. Rubbing and polishing machine. No. 897,951; Sept. 8; Sp. p. 1477; Dr. pp. 314-15; Gaz. vol. 136; p. 263.
 Yarnell, H., Los Angeles, Cal. Supplemental detachable vehicle-tire. No. 878,107; Feb. 4; Sp. p. 431; Dr. p. 91; Gaz. vol. 132; p. 918.
 Yarrington, C. H., Waterbury, Conn. Trolley-guard. No. 895,321; Aug. 4; Sp. p. 1103; Dr. p. 231; Gaz. vol. 135; p. 1077.
 Yassenoff, I., Columbus, Ohio. Reciprocating motor. No. 894,928; Aug. 4; Sp. p. 313; Dr. p. 63; Gaz. vol. 135; p. 944.
 Yates, C. A., assignor to Thos. W. Houchin Co., New York, N. Y. Hydrocarbon-burner. No. 893,559; July 14; Sp. p. 2385; Dr. p. 500; Gaz. vol. 135; p. 415.
 Yates, J. T., J. Devey, Lehi, W. B. Richan and W. A. Devey, assignors of one-eighth to E. H. Boley, American Fork, Utah. Smoke and fume condenser. No. 879,023; Feb. 11; Sp. p. 2323; Dr. p. 486; Gaz. vol. 132; p. 1250.
 Yates, W. C., Lemoore, Cal. Surgical appliance. No. 894,929; Aug. 4; Sp. p. 316; Dr. p. 63; Gaz. vol. 135; p. 945.
 Yates, W. C., Schenectady, N. Y., assignor to General Electric Company. Rheostat. No. 894,564; July 28; Sp. p. 4567; Dr. p. 946; Gaz. vol. 135; p. 798.
 Yates, W. C., and G. W. Cravens, Schenectady, N. Y., assignors to General Electric Company. Starting-rheostat. No. 894,563; July 28; Sp. p. 4565; Dr. p. 946; Gaz. vol. 135; p. 797.
 Yaw, C. B., Arlington, N. J., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine. No. 896,502; Aug. 18; Sp. p. 3437; Dr. pp. 739-40; Gaz. vol. 135; p. 1505.
 Yawman & Erbe Manufacturing Company. (See Slemm, C. Jr., assignor.)
 Yawman & Erbe Manufacturing Company. (See Weiss, A. T., assignor.)
 Yawman & Erbe Manufacturing Company. (See Yawman, P. H., assignor.)
 Yawman, P. H., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Drawer-support for filing-cases. No. 883,069; Mar. 24; Sp. p. 5113; Dr. p. 1091; Gaz. vol. 133; p. 938.
 Yawman, P. H., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Letter-file. No. 890,008; June 9; Sp. p. 1624; Dr. p. 363; Gaz. vol. 134; p. 1347.
 Yawman, P. H., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Centering device for card-index rods. No. 892,488; July 7; Sp. p. 186; Dr. p. 39; Gaz. vol. 135; p. 36.
 Yax, L., Caseville, Mich. Hen's nest. No. 905,267; Dec. 1; Sp. p. 282; Gaz. vol. 137; p. 1032.
 Yaxley, E. E., assignor to Monarch Telephone Manufacturing Co., Chicago, Ill. Telephone-exchange apparatus. No. 905,619; Dec. 1; Sp. p. 1016; Gaz. vol. 137; p. 1146.
 Ybarra, S., St. Louis, Mo. Pressure-regulating valve. No. 887,564; May 12; Sp. p. 2517; Dr. p. 530; Gaz. vol. 134; p. 433.
 Ybarra, V. C., de Los Angeles, Cal. Telegraphic sounder. No. 901,861; Oct. 20; Sp. p. 3750; Dr. p. 762; Gaz. vol. 136; p. 1721.
 Yberty, J. V. F. A., and E. P. Méricoux, Royat-les-Bains, France. Tire for the wheels of road-vehicles. No. 888,214; May 19; Sp. p. 3772; Dr. p. 792; Gaz. vol. 134; p. 674.
 Yeager, F. A., Thornburg, Pa. Weather-strip. No. 899,150; Sept. 22; Sp. p. 3770; Dr. p. 808; Gaz. vol. 136; p. 709.
 Yeager, J. C., *et al.* (See Stewart, J. S., assignor.)
 Yeakel, G. P., assignor of one-third to C. Keller, Norristown, Pa. Fish scaling and cleaning machine. No. 878,174; Feb. 4; Sp. p. 593; Dr. pp. 121-2; Gaz. vol. 132; p. 941.
 Yeane, G. B., Clearfield, Pa. Pick. No. 903,423; Nov. 10; Sp. p. 1775; Gaz. vol. 137; p. 323.
 Yeansley, W. S., *et al.* (See Brown, E., assignor.)
 Yearwood, B. O., and R. C. Pattison, Portsmouth, Va., assignors of one-fourth to E. Schaefer, Toccoa, Ga. Automatic cylinder relief and vacuum valve. No. 903,530; Nov. 10; Sp. p. 1993; Gaz. vol. 137; p. 358.
 Yeates, G., Montreal, Quebec, Canada. Low-water alarm. No. 879,508; Feb. 18; Sp. p. 3320; Dr. p. 694; Gaz. vol. 132; p. 1450.

Alphabetical list of patentees—Continued.

- Yell, W. S., Wartrace, Tenn. Phonograph-record case. No. 902,361; Oct. 27; Sp. p. 4804; Dr. p. 970; Gaz. vol. 136; p. 1914.
- Yendall, W. R., Jr., Aurora, Ill. Stove. No. 899,936; Sept. 29; Sp. p. 5379; Dr. p. 1147; Gaz. vol. 136; p. 999.
- Yenjo, H. (See Okazaki, K., assignor.)
- Yeomans, W. C., Pe Ell, Wash. Manufacture of crates. No. 883,070; Mar. 24; Sp. p. 5117; Dr. p. 1091; Gaz. vol. 133; p. 939.
- Yerian, D. H. (See Yerian, W. F. and D. H.)
- Yerian, W. F. and D. H., assignors of one-third to G. A. Clapesattle, Fort Wayne, Ind. Poultry-fount. No. 903,041; Nov. 3; Sp. p. 1027; Gaz. vol. 137; p. 168.
- Yerkes, J. H., Highland, Cal. Railway construction. No. 907,938; Dec. 29; Sp. p. 5580; Gaz. vol. 137; p. 2021.
- Yetman, C. E., Oak Park, Ill., assignor, by mesne assignments, to Yetman Typewriter-Transmitter Company, New York, N. Y. Type-writing machine. No. 884,347; Apr. 7; Sp. p. 1357; Dr. pp. 290-2; Gaz. vol. 133; p. 1411.
- Yetman Typewriter-Transmitter Company. (See Yetman, C. E., assignor.)
- Yetter, A. B., New York, N. Y. Moving-van. No. 901,766; Oct. 20; Sp. p. 3576; Dr. p. 724; Gaz. vol. 136; p. 1691.
- Yewell, H. O., Glenwood Springs, Colo. Pool-ball rack. No. 884,699; Apr. 14; Sp. p. 2120; Dr. p. 451; Gaz. vol. 133; p. 1556.
- Yingling, C. E. (See Clark and Yingling.)
- Yingling, C. J., *et al.* (See Vannette, J., assignor.)
- Yingling, G. S., *et al.* (See Vannette, J., assignor.)
- Yoakum, J., Bisbee, Ariz. Ter. Tobacco-pipe. No. 892,793; July 7; Sp. p. 788; Dr. p. 166; Gaz. vol. 135; p. 135.
- Yoakum, J., Bisbee, Ariz. Ter. Match-box. No. 906,356; Dec. 8; Sp. p. 2431; Gaz. vol. 137; p. 1417.
- Yockey, F., and C. D. McLeod, Sioux City, Iowa. Safety gas-valve. No. 895,136; Aug. 4; Sp. p. 718; Dr. p. 150; Gaz. vol. 135; p. 1014.
- Yocom, R. C., Chebanse, Ill. Mail-carrier. No. 879,125; Feb. 11; Sp. p. 2542; Dr. pp. 528-9; Gaz. vol. 132; p. 1283.
- Yocum, G. C., Scranton, Pa. Vending-machine. No. 876,126; Jan. 7; Sp. p. 862; Dr. pp. 185-6; Gaz. vol. 132; p. 146.
- Yoder, J. E., Haven, Kans. Valve-gear. No. 898,543; Sept. 15; Sp. p. 2639; Dr. p. 564; Gaz. vol. 136; p. 484.
- Yoder, L. K. (See Mekeel, D. L., assignor.)
- Yoe, F., Dayton, Ohio. Voting-machine. No. 892,489; July 7; Sp. p. 189; Dr. pp. 39-40; Gaz. vol. 135; p. 37.
- Yohey, R. R., Tippecanoe City, Ohio. Lubricating device for pulleys. No. 903,259; Nov. 10; Sp. p. 1455; Gaz. vol. 137; p. 268.
- Yonkers Specialty Company. (See Walsh, J. J., assignor.)
- York, E. J., assignor of two-thirds to W. L. Howze, Houston, and T. W. Caldwell, Duke, Tex. Cattle-guard. No. 891,127; June 16; Sp. p. 3904; Dr. p. 855; Gaz. vol. 134; p. 1745.
- York, J. A., assignor to Arrow Electric Company, Hartford, Conn. Push-button snap-switch. No. 876,511; Jan. 14; Sp. p. 1675; Dr. p. 365; Gaz. vol. 132; p. 305.
- York, L. D., Portsmouth, Ohio. Pulverizing-mill. No. 885,211; Apr. 21; Sp. p. 3191; Dr. p. 667; Gaz. vol. 133; p. 1755.
- York, L. D., and G. Youngman, Portsmouth, Ohio. Burner. No. 878,590; Feb. 11; Sp. p. 1509; Dr. p. 307; Gaz. vol. 132; p. 1113.
- York Trust Company, *et al.*, executors. (See Brothers, W.)
- Yorke, P., Washington, Pa. Derrick. No. 877,624; Jan. 28; Sp. p. 3988; Dr. p. 862; Gaz. vol. 132; p. 735.
- Yorke, P., Washington, Pa. Derrick. No. 898,027; Sept. 8; Sp. p. 1636; Dr. p. 349; Gaz. vol. 136; p. 287.
- Yorkshire Wool & Leather Co. (See Johnson, S. L., assignor.)
- Yost, D. H., assignor of one-half to F. R. Yost, York, Pa. Induction-coil. No. 891,320; June 23; Sp. p. 4325; Dr. p. 944; Gaz. vol. 134; p. 1841.
- Yost Electric Manufacturing Company. (See Kenney, O. E., assignor.)
- Yost, F. R. (See Yost, D. H., assignor.)
- Yost, G. M., Mechanicsburg, Pa. Vise. No. 899,779; Sept. 29; Sp. p. 5045; Dr. pp. 1080-1; Gaz. vol. 136; p. 949.
- Yost, H. P., Tekonsha, Mich. Reversing mechanism. No. 907,549; Dec. 22; Sp. p. 4731; Gaz. vol. 137; p. 1864.
- Yost, J. E., Arkansas City, Kans. Yeast compound. No. 889,082; May 26; Sp. p. 5546; Gaz. vol. 136; p. 990.
- Yost, W., Chicago, Ill. Draft-rigging for railway-cars. No. 895,062; Aug. 4; Sp. p. 573; Dr. p. 118; Gaz. vol. 135; p. 989.
- Yost, W. J. (See Woods and Yost.)
- Yost Writing Machine Company. (See Ballou, G. F., assignor.)
- Yost Writing Machine Company. (See Smith, A. W., assignor.)
- Yost Writing Machine Company. (See Woodward, O., assignor.)
- Youmans, G. P., Galesburg, assignor to Kalamazoo Tank & Silo Company, Kalamazoo, Mich. Rotary cutter. No. 902,636; Nov. 3; Sp. p. 207; Gaz. vol. 137; p. 35.
- Youmans, G. P., Galesburg, assignor to Kalamazoo Tank & Silo Company, Kalamazoo, Mich. Pipe-coupling. No. 903,260; Nov. 10; Sp. p. 1457; Gaz. vol. 137; p. 268.
- Youmans, G. P., Galesburg, assignor to Kalamazoo Tank & Silo Company, Kalamazoo, Mich. Stanchion. No. 903,261; Nov. 10; Sp. p. 1459; Gaz. vol. 137; p. 269.
- Young, A., Northampton, assignor of one-half to D. H. Young, Holyoke, Mass. Faller-bar. No. 899,280; Sept. 22; Sp. p. 4045; Dr. p. 864; Gaz. vol. 136; p. 751.
- Young, A., assignor of one-half to W. N. Rumely, Laporte, Ind. Rupture-truss. No. 900,250; Oct. 6; Sp. p. 364; Dr. p. 75; Gaz. vol. 136; p. 1132.
- Young, A. C., Philadelphia, Pa. Transit-head. No. 879,605; Feb. 18; Sp. p. 3538; Dr. pp. 740-1; Gaz. vol. 132; p. 1481.
- Young, A. G., New London, Conn. Grain-chute. No. 878,443; Feb. 4; Sp. p. 1092; Dr. p. 223; Gaz. vol. 132; p. 1028.
- Young, B. F., Leavitt, Tex. Track-level. No. 897,045; Aug. 25; Sp. p. 4590; Dr. p. 979; Gaz. vol. 135; p. 1706.
- Young, B. M. (See Chase and Young.)
- Young, C. E., Erdahl, Minn. Mail-delivery. No. 906,598; Dec. 15; Sp. p. 2862; Gaz. vol. 137; p. 1519.
- Young, C. H., Rockland, Mass. Combined index and pad. No. 903,940; Nov. 17; Sp. p. 2667; Gaz. vol. 137; p. 523.
- Young, C. R., Oberlin, Kans. Chute attachment for windows. No. 882,605; Mar. 24; Sp. p. 4200; Dr. p. 890; Gaz. vol. 133; p. 787.
- Young, C. S., Pittsburg, Pa. Crate. No. 900,637; Oct. 6; Sp. p. 1212; Dr. p. 249; Gaz. vol. 136; p. 1259.
- Young, C. W., Omaha, Nebr. Adjustable tiling-tool. No. 896,879; Aug. 25; Sp. p. 4211; Dr. p. 901; Gaz. vol. 135; p. 1650.
- Young, C. W., Omaha, and J. G. Burruss, Lincoln, Nebr. Composition shingle for roofs and gable ends of houses. No. 886,912; May 5; Sp. p. 1155; Dr. p. 243; Gaz. vol. 134; p. 190.
- Young, D. H. (See Young, A., assignor.)
- Young, D. H., assignor to S. R. Young, Manchester, Iowa. Harness-buckle. No. 879,077; Feb. 11; Sp. p. 2422; Dr. p. 507; Gaz. vol. 132; p. 1267.
- Young, E., Frederick, Ill. Wire-splicer. No. 876,674; Jan. 14; Sp. p. 2037; Dr. p. 444; Gaz. vol. 132; p. 362.
- Young, E., Springfield, Mass. Sharpening-tool. No. 895,708; Aug. 11; Sp. p. 1856; Dr. p. 394; Gaz. vol. 135; p. 1226.
- Young, E., and J. J. Schlichter, Portsmouth, Ohio. Bale-tie fastener. No. 879,232; Feb. 18; Sp. p. 2742; Dr. p. 573; Gaz. vol. 132; p. 1359.
- Young, E. F. C., *et al.* (See Doerflinger and Buck, assignors.)
- Young, E. J., and J. H. Weaver, assignors to Ohio Match Company, Wadsworth, Ohio. Machine for packing matches. No. 904,394; Nov. 17; Sp. p. 3797; Gaz. vol. 137; p. 677.
- Young, E. T., Boston, Mass. Supplying energy to engines. No. 901,310; Oct. 13; Sp. p. 2558; Dr. p. 526; Gaz. vol. 136; p. 1502.
- Young, F., assignor to A. L. Thorndike, Brewster, Mass. Cranberry-pruner. No. 881,039; Mar. 3; Sp. p. 1092; Dr. p. 237; Gaz. vol. 133; p. 187.
- Young, F. A., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 881,275; Mar. 10; Sp. p. 1572; Dr. p. 336; Gaz. vol. 133; p. 294.
- Young, F. A., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 882,042; Mar. 17; Sp. p. 3139; Dr. p. 666; Gaz. vol. 133; p. 570.
- Young, F. A., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 886,570; May 5; Sp. p. 446; Dr. p. 95; Gaz. vol. 134; p. 82.
- Young, F. A., assignor to Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 904,170; Nov. 17; Sp. p. 3334; Gaz. vol. 137; p. 601.
- Young, F. E., Brooklyn, N. Y. Steel barrel. No. 891,895; June 30; Sp. p. 5522; Dr. p. 1192; Gaz. vol. 134; p. 2064.
- Young, F. L., assignor to Aedlian Company, New York, N. Y. Key-striking mechanism for musical instruments. No. 882,920; Mar. 24; Sp. p. 4838; Dr. p. 1026; Gaz. vol. 133; p. 890.
- Young, G. H. (See Cummings, E. W., assignor.)
- Young, G. H., Des Moines, Iowa. Vehicle steering device. No. 883,371; Mar. 31; Sp. p. 5747; Dr. p. 1227; Gaz. vol. 133; p. 1067.
- Young, G. P., Gloversville, N. Y. Window-washer. No. 878,444; Feb. 4; Sp. p. 1094; Dr. p. 223; Gaz. vol. 132; p. 1029.
- Young, H. H., San Francisco, Cal. Bread-raising board. No. 907,550; Dec. 22; Sp. p. 4732; Gaz. vol. 137; p. 1864.
- Young, H. H., Colchester, assignor to himself, and Berghell and Young Limited, London, England. Electrically-operated punka and the like. No. 885,417; Apr. 21; Sp. p. 3606; Dr. p. 756; Gaz. vol. 133; p. 1823.
- Young, H. M. (See Martini, H., assignor.)
- Young, H. N. (See Hughes and Young.)
- Young, H. W., Alameda, Cal. Railway-car ventilator. No. 882,364; Mar. 17; Sp. p. 3745; Dr. p. 797; Gaz. vol. 133; p. 675.
- Young, I., San Francisco, Cal. Electric sign. No. 890,263; Feb. 25; Sp. p. 4898; Dr. pp. 1035-7; Gaz. vol. 132; p. 1731.
- Young, I. J., St. Louis, Mo. Woven-wire fabric. No. 884,883; Apr. 14; Sp. p. 2487; Dr. p. 525; Gaz. vol. 133; p. 1617.

Alphabetical list of patentees—Continued.

- Young, J., Woonsocket, R. I. Turning-machine. No. 884,451; Apr. 14; Sp. p. 1581; Dr. pp. 341-2; Gaz. vol. 133; p. 1475.
- Young, J., Toledo, Ohio. Electric trolley. No. 896,189; Aug. 18; Sp. p. 2792; Dr. p. 601; Gaz. vol. 135; p. 1233.
- Young, J. A., Bellevue, Iowa. Combined cut-off and strainer for water-pipes. No. 878,850; Feb. 11; Sp. p. 2007; Dr. p. 415; Gaz. vol. 132; p. 1197.
- Young, J. B., Halliday, Ark. Coon and mink trap. No. 876,759; Jan. 14; Sp. p. 2186; Dr. p. 480; Gaz. vol. 132; p. 388.
- Young, J. C., Plymouth, Pa. Stuffing-box. No. 889,740; June 2; Sp. p. 1081; Dr. p. 250; Gaz. vol. 134; p. 1032.
- Young, J. C., Plymouth, Pa. Stuffing-box. No. 896,190; Aug. 18; Sp. p. 2793; Dr. p. 602; Gaz. vol. 135; p. 1401.
- Young, J. H. (See Chandler, O. H., assignor.)
- Young, J. M., and C. M. Symonds, San Francisco, Cal., assignors to American Can Company, New York, N. Y. Can fusing and soldering machine for square, rectangular, or polygonal cans. No. 905,268; Dec. 1; Sp. p. 234; Gaz. vol. 137; p. 1032.
- Young, J. N., Alameda, Cal. Heating apparatus. No. 897,506; Sept. 1; Sp. p. 540; Dr. p. 115; Gaz. vol. 136; p. 87.
- Young, J. R., Norfolk, Va. Making fertilizers. No. 897,695; Sept. 1; Sp. p. 920; Gaz. vol. 136; p. 147.
- Young, J. S., Bethel, Vt. Stone-saw. No. 884,001; Apr. 7; Sp. p. 675; Dr. p. 135; Gaz. vol. 133; p. 1300.
- Young, J. T., assignor of one-half to B. N. Payne, Elmira, N. Y. Glass-cutting grinder. No. 898,028; Sept. 8; Sp. p. 1636; Dr. p. 349; Gaz. vol. 136; p. 287.
- Young, J. W., Jr., *et al.* (See Gregory, J. W., assignor.)
- Young, M. G., Pittsfield, Mass., assignor to General Electric Company. Variable-voltage transformer. No. 894,714; July 28; Sp. p. 4848; Dr. p. 1008; Gaz. vol. 135; p. 846.
- Young, M. I., Fort Dodge, and G. M. Robinson, Dubuque, Iowa; said Young assignor to said Robinson. Railway-tie. No. 907,939; Dec. 29; Sp. p. 5582; Gaz. vol. 137; p. 2021.
- Young, N. W., Sherwood, Oreg. Hay-baler. No. 893,830; July 21; Sp. p. 3044; Dr. p. 622; Gaz. vol. 135; p. 337.
- Young, P. (See McIlhenny, J. S., assignor.)
- Young, R. E. (See Bechtold and Young.)
- Young, R. H., Nanticoke, Md. Waterproof self-seating tube for protecting the mouth end of cigars. No. 879,718; Feb. 18; Sp. p. 3754; Dr. p. 787; Gaz. vol. 132; p. 1517.
- Young, S. H., Phillipsburg, Kans. Cultivator. No. 879,429; Feb. 18; Sp. p. 3159; Dr. p. 657; Gaz. vol. 132; p. 1424.
- Young, S. M., New York, N. Y. System of automatic block signaling for railways. No. 876,419; Jan. 14; Sp. p. 1474; Dr. p. 316; Gaz. vol. 132; p. 272.
- Young, S. R. (See Young, D. H., assignor.)
- Young, T. J., New York, N. Y. Combination furniture. No. 882,772; Mar. 24; Sp. p. 4527; Dr. p. 966; Gaz. vol. 133; p. 841.
- Young, W., assignor to Supplementary Spiral Spring Company, St. Louis, Mo. Steadying device for supplementary vehicle-springs. No. 901,578; Oct. 20; Sp. p. 3167; Dr. pp. 645-6; Gaz. vol. 136; p. 1629.
- Young, W., assignor to Supplementary Spiral Spring Company, St. Louis, Mo. Brace for supplementary vehicle-springs. No. 901,767; Oct. 20; Sp. p. 3578; Dr. p. 724; Gaz. vol. 136; p. 1692.
- Young, W., Peebles, Scotland, and S. Glover, St. Helens, England. Carbonizing coal. No. 876,420; Jan. 14; Sp. p. 1477; Dr. p. 317; Gaz. vol. 132; p. 273.
- Young, W. D., Ennis, Tex. Harrow. No. 903,651; Nov. 10; Sp. p. 2239; Gaz. vol. 137; p. 396.
- Young, W. H., and O. B. Lyon, Modesto, Cal. Life-preserver and swimming-machine. No. 885,212; Apr. 21; Sp. p. 3193; Dr. p. 667; Gaz. vol. 133; p. 1755.
- Young, W. W., Springfield, Mass. Sound reproducing and modifying device. No. 876,035; Jan. 7; Sp. p. 675; Dr. p. 145; Gaz. vol. 132; p. 117.
- Young, W. W., Springfield, Mass. Diaphragm for talking-machines. No. 904,110; Nov. 17; Sp. p. 3190; Gaz. vol. 137; p. 580.
- Youngberg, I. A., Tacoma, Wash. Fan. No. 888,292; May 19; Sp. p. 3926; Dr. p. 826; Gaz. vol. 134; p. 701.
- Youngman, C. A., assignor of one-half to A. J. Pohlman, Louisville, Ky. Filter. No. 884,253; Apr. 7; Sp. p. 1201; Dr. p. 253; Gaz. vol. 133; p. 1382.
- Youngman, G. (See York and Youngman.)
- Youngstown Sheet and Tube Company. (See Hock, H. W., assignor.)
- Younkman, G. W., Denver, Colo. Automatic freight mechanism. No. 890,746; June 16; Sp. p. 3165; Dr. p. 693; Gaz. vol. 134; p. 1622.
- Younkman, G. W., Denver, Colo. Centrifugal governor. No. 893,691; July 21; Sp. p. 2661; Dr. p. 558; Gaz. vol. 135; p. 489.
- Younkman, G. W., Denver, Colo. Freight-conveyor. No. 899,854; Sept. 29; Sp. p. 5212; Dr. p. 1116; Gaz. vol. 136; p. 974.
- Yount, C. E., Sr., Harrisburg, Pa. Sunbonnet. No. 877,029; Jan. 21; Sp. p. 2775; Dr. p. 600; Gaz. vol. 132; p. 519.
- Yount, C. E., Sr., Harrisburg, Pa. Sunbonnet. No. 884,553; Apr. 14; Sp. p. 1793; Dr. p. 385; Gaz. vol. 133; p. 1509.
- Yount, J. R., Nyssa, Oreg. Ore-separator. No. 881,526; Mar. 10; Sp. p. 2057; Dr. p. 450; Gaz. vol. 133; p. 374.
- Yource, J. D. (See McCabe, J. D., assignor.)
- Yourtee, L. R., *et al.* (See Jones, A. M., assignor.)
- Youtz, E. E., Casner, Ill. Land-marker. No. 902,128; Oct. 27; Sp. p. 4301; Dr. pp. 871-2; Gaz. vol. 136; p. 1837.
- Ypsilanti Lubricator Company. (See McCoy, E., assignor.)
- Yule, J., New York, N. Y. Pipe nipple-holder. No. 886,571; May 5; Sp. p. 449; Dr. p. 96; Gaz. vol. 134; p. 82.
- Yunc, J. A., South Orange, N. J. Apparatus for electroplating. No. 900,340; Oct. 6; Sp. p. 563; Dr. p. 117; Gaz. vol. 136; p. 1161.
- Yung, F. X., Binghamton, N. Y. Extension-step. No. 899,151; Sept. 22; Sp. p. 3771; Dr. p. 808; Gaz. vol. 136; p. 709.
- Yunker, G., assignor to Newark Cornice & Skylight Works, Newark, N. J. Gravity-lock. No. 882,921; Mar. 24; Sp. p. 4840; Dr. p. 1027; Gaz. vol. 133; p. 890.
- Yurkovich, J. (See Dubrow and Yurkovich.)
- Yver, P., assignor to Société des Anciens Etablissements Gavioli & Cie., Paris, France. Pump. No. 887,993; May 19; Sp. p. 3366; Dr. p. 707; Gaz. vol. 134; p. 605.
- Zabel, M. W., Chicago, Ill. Signaling system for railways. No. 892,203; June 30; Sp. p. 6122; Dr. p. 1317; Gaz. vol. 134; p. 2164.
- Zabel, M. W., Chicago, Ill. Railway signaling apparatus. No. 892,204; June 30; Sp. p. 6124; Dr. p. 1317; Gaz. vol. 134; p. 2164.
- Zabriskie, A., Paterson, N. J. Fiber-preparing machine. No. 900,251; Oct. 6; Sp. p. 365; Dr. p. 76; Gaz. vol. 136; p. 1132.
- Zacharias, S., Detroit, Mich. Glass tie. No. 897,809; Sept. 1; Sp. p. 1157; Dr. p. 246; Gaz. vol. 136; p. 183.
- Zachow, O., and W. Besserdich, Clintonville, Wis. Axle. No. 882,986; Mar. 24; Sp. p. 4963; Dr. p. 1056; Gaz. vol. 133; p. 912.
- Zachow, O., and W. Besserdich, Clintonville, Wis. Power-applying mechanism. No. 907,940; Dec. 29; Sp. p. 5583; Gaz. vol. 137; p. 5022.
- Zackey, H. P., Martinsville, N. Y. Means for operating the retaining-valves of an air-brake system from the engine. No. 906,764; Dec. 15; Sp. p. 3194; Gaz. vol. 137; p. 1572.
- Zager, R. E., Branscomb, Cal. Traction-vehicle. No. 880,953; Mar. 3; Sp. p. 938; Dr. pp. 202-3; Gaz. vol. 133; p. 158.
- Zahn, A. F., Washington, D. C. Fountain-pen. No. 890,747; June 16; Sp. p. 3168; Dr. p. 693; Gaz. vol. 134; p. 1622.
- Zahnter, E. P., assignor of one-half to C. M. Hill, Highland, Cal. Wedge-making machine. No. 893,218; July 14; Sp. p. 1681; Dr. p. 355; Gaz. vol. 135; p. 303.
- Zahnter, E. P., and J. Kunzmann, Highland, Cal. Axle. No. 882,773; Mar. 24; Sp. p. 4529; Dr. p. 967; Gaz. vol. 133; p. 841.
- Zahnter, R. R., Fruit, Ill. Lathing-machine. No. 879,995; Feb. 25; Sp. p. 4352; Dr. p. 912; Gaz. vol. 132; p. 1643.
- Zaiden, A. (See Zaiden, D., assignor.)
- Zaiden, D., assignor to A. Zaiden, New York, N. Y. Necktie-securing device. No. 895,322; Aug. 4; Sp. p. 1104; Dr. p. 232; Gaz. vol. 135; p. 1077.
- Zaiser, W. G., Solomon, Kans. Revolver. No. 884,119; Apr. 7; Sp. p. 943; Dr. pp. 197-8; Gaz. vol. 133; p. 1350.
- Zalinski, E. L., U. S. Army. Collimating-sight for heavy guns. No. 878,759; Feb. 11; Sp. p. 1832; Dr. pp. 378-9; Gaz. vol. 132; p. 1168.
- Zalinski, E. L., New York, N. Y. Electric display apparatus. No. 885,127; Apr. 21; Sp. p. 2997; Dr. pp. 632-3; Gaz. vol. 133; p. 1727.
- Zamboni, L., Philadelphia, Pa. Pulley or wheel. No. 893,889; July 21; Sp. p. 3153; Dr. p. 648; Gaz. vol. 135; p. 554.
- Zamboni, L., New York, N. Y. Coin-carrier. No. 893,890; July 21; Sp. p. 3155; Dr. p. 648; Gaz. vol. 135; p. 555.
- Zamboni, L., New York, N. Y. Skate-roller. No. 907,100; Dec. 15; Sp. p. 3801; Gaz. vol. 137; p. 1676.
- Zamel, A. G., Chicago, Ill. Artificial bait. No. 890,549; June 9; Sp. p. 2712; Dr. p. 599; Gaz. vol. 134; p. 1524.
- Zander, C. G., Finsbury Park, London, England. Photomechanical reproduction of colors and the resultant article. No. 884,254; Apr. 7; Sp. p. 1205; Dr. p. 253; Gaz. vol. 133; p. 1382.
- Zander, J., Hoboken, N. J. Match holder, lighter, and cigar-cutter. No. 882,729; Mar. 24; Sp. p. 4447; Dr. p. 946; Gaz. vol. 133; p. 827.
- Zander, J., assignor to Union Carbide Company, Chicago, Ill. Can-opener. No. 886,913; May 5; Sp. p. 1156; Dr. p. 243; Gaz. vol. 134; p. 190.
- Zander, J. C. (See Carroll and Zander.)
- Zander, W., Chicago, Ill. Sash-lock. No. 890,009; June 9; Sp. p. 1626; Dr. p. 364; Gaz. vol. 134; p. 1348.
- Zane, J. L., assignor of one-half to J. W. Hunt, Pulaiki, Iowa. Spoke-tightener. No. 894,930; Aug. 4; Sp. p. 317; Dr. p. 63; Gaz. vol. 135; p. 945.
- Zanzig, C. F., Milwaukee, Wis. Sewing-machine shuttle. No. 885,824; Apr. 28; Sp. p. 4440; Dr. p. 933; Gaz. vol. 133; p. 1982.
- Zapf, J. F., St. Louis, Mo. Gluing-machine. No. 905,249; Dec. 1; Sp. p. 286; Gaz. vol. 137; p. 1033.
- Zarella, P., Boston, Mass. Barber's sign apparatus. No. 888,509; May 26; Sp. p. 4498; Dr. p. 953; Gaz. vol. 134; p. 823.
- Zaremba, E., Chicago, Ill. Evaporator. No. 881,990; Mar. 17; Sp. p. 3014; Dr. p. 643; Gaz. vol. 133; p. 554.
- Zaremba, E., Chicago, Ill. Evaporator. No. 882,043; Mar. 17; Sp. p. 3142; Dr. pp. 666-7; Gaz. vol. 133; p. 570.

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- Zdzarski, V., New York, N. Y. Running-gear for vehicles. No. 899,780; Sept. 29; Sp. p. 5046; Dr. p. 1081; Gaz. vol. 136; p. 949.
- Zech, H., Wilburton, Wash. Logging device. No. 895,530; Aug. 11; Sp. p. 1518; Dr. p. 321-2; Gaz. vol. 135; p. 1169.
- Zeck, A., and F. Van Zeck, Grafton, W. Va. Heating apparatus. No. 880,954; Mar. 3; Sp. p. 941; Dr. p. 203; Gaz. vol. 133; p. 159.
- Zeglen, C., Chicago, Ill. Cushion-tire. No. 876,616; Jan. 14; Sp. p. 1920; Dr. p. 419; Gaz. vol. 132; p. 342.
- Zehntner, E. (See De la Harpe, Burckhardt, and Zehntner.)
- Zehntner, E. (See De la Harpe, Oswald, and Zehntner.)
- Zehring, J. H., Columbus, Ohio. Broiling-stove. No. 898,814; Sept. 15; Sp. p. 3143; Dr. p. 673; Gaz. vol. 136; p. 571.
- Zeigler, E. H., Stewartstown, Pa. Attachment for brick-machines. No. 875,879; Jan. 7; Sp. p. 376; Dr. p. 83; Gaz. vol. 132; p. 69.
- Zeigler, G. E., Economy, Pa. Bottle. No. 882,809; Mar. 24; Sp. p. 4607; Dr. p. 982; Gaz. vol. 133; p. 854.
- Ziegler, H., New York, N. Y. String-frame for upright pianos. No. 878,926; Feb. 11; Sp. p. 2152; Dr. p. 449; Gaz. vol. 132; p. 1221.
- Zeiss, Firm of Carl. (See Czapski, S., assignor.)
- Zeiss, Firm of Carl. (See Köhler and Lehmann, assignors.)
- Zeiss, Firm of Carl. (See König, A., assignor.)
- Zeiss, Firm of Carl. (See König and Dönitz, assignors.)
- Zeiss, Firm of Carl. (See Rohrt, M. von, assignor.)
- Zeiss, Firm of Carl. (See Rudolph, P., assignor.)
- Zeiss, Firm of Carl. (See Schüttelf, R., assignor.)
- Zeiss, Firm of Carl. (See Straubel, R., assignor.)
- Zeiss, Firm of Carl. (See Straubel and Hackel, assignors.)
- Zeitinger, C. J., St. Louis, Mo. Double-cutting rotary sawmill. No. 877,392; Jan. 21; Sp. p. 3496; Dr. p. 759; Gaz. vol. 132; p. 637.
- Zeitlin, J., Kingston, England. Vacuum-pump. No. 891,026; June 16; Sp. p. 3739; Dr. p. 816; Gaz. vol. 134; p. 1715.
- Zeitlin, J., South Kensington, England. Mechanical production of high vacuums. No. 905,973; Dec. 8; Sp. p. 1686; Gaz. vol. 137; p. 1291.
- Zeitschel, O., Hamburg, Germany. Manufacture of acid esters of cyclical terpene alcohols. No. 907,941; Dec. 29; Sp. p. 5585; Gaz. vol. 137; p. 2022.
- Zeitz, J. J., assignor to American Multigraph Company, Cleveland, Ohio. Friction-clutch. No. 906,181; Dec. 8; Sp. p. 2095; Gaz. vol. 137; p. 1359.
- Zelewski, R. von Engis, Belgium. Mechanical roasting-furnace. No. 882,730; Mar. 24; Sp. p. 4450; Dr. p. 946; Gaz. vol. 133; p. 828.
- Zeliff, G., New York, N. Y. Sash-fastener. No. 882,135; Mar. 17; Sp. p. 3298; Dr. p. 704; Gaz. vol. 133; p. 601.
- Zeller, H. (See Bobbert and Zeller.)
- Zeller, M. E., Gilboa, Ohio. Overdraw cheek-loop for bridles. No. 899,281; Sept. 22; Sp. p. 4046; Dr. p. 865; Gaz. vol. 136; p. 751.
- Zeller, M. E., Gilboa, Ohio. Rein-buckle. No. 899,282; Sept. 22; Sp. p. 4047; Dr. p. 865; Gaz. vol. 136; p. 751.
- Zeller, W. L., Spring Bay, Ill. Ratchet-wrench. No. 896,607; Aug. 18; Sp. p. 3629; Dr. p. 779; Gaz. vol. 135; p. 1538.
- Zellers, W. H., Philadelphia, Pa. Loooper-hook. No. 882,090; Mar. 17; Sp. p. 3223; Dr. p. 686; Gaz. vol. 133; p. 587.
- Zellweger, J. St. Louis, Mo. Roasting-kiln. No. 878,704; Feb. 11; Sp. p. 1723; Dr. p. 357; Gaz. vol. 132; p. 1150.
- Zempter, G. H., assignor of one-half to Cohn Witney & Goldfarb, Greenville, Miss. Cotton-harvesting machine. No. 886,335; Apr. 28; Sp. p. 5494; Dr. p. 1149; Gaz. vol. 133; p. 2152.
- Zerkowitz, O., assignor of one-fourth to H. L. Schorndorfer and one-fourth to L. J. Dautel, Cleveland, Ohio. Automatic liquid-separator. No. 896,262; Aug. 18; Sp. p. 2933; Dr. p. 632; Gaz. vol. 135; p. 1427.
- Zetterberg, C. A., Duluth, Minn. Life-preserving apparatus. No. 901,862; Oct. 20; Sp. p. 3751; Dr. p. 763; Gaz. vol. 136; p. 1721.
- Zeugschmidt, M., et al. (See Walker, G., assignor.)
- Zieckerman, W. A., assignor to A. M. Lougee, Boston, Mass. Filling insoles. No. 896,677; Aug. 18; Sp. p. 3764; Dr. p. 813; Gaz. vol. 135; p. 1558.
- Zickwolf, E., Siegen, Germany. Automatic gas-lighter. No. 886,914; May 5; Sp. p. 1157; Dr. p. 243; Gaz. vol. 134; p. 190.
- Zickwolf, E., Siegen, Germany. Pressure-controlled gas-igniter. No. 907,304; Dec. 22; Sp. p. 4258; Gaz. vol. 137; p. 1784.
- Zidek, J. (See Petru and Zidek.)
- Ziegler, A. M., assignor to A. Ziegler & Sons Company, Boston, Mass. Separable fastener. No. 898,815; Sept. 15; Sp. p. 3145; Dr. p. 673; Gaz. vol. 136; p. 571.
- Ziegler, A. M., assignor to A. Ziegler & Sons Company, Boston, Mass. Garment-clasp. No. 898,816; Sept. 15; Sp. p. 3147; Dr. p. 673; Gaz. vol. 136; p. 571.
- Ziegler, A. M., assignor to A. Ziegler & Sons Company, Boston, Mass. Stocking-supporter. No. 898,817; Sept. 15; Sp. p. 3149; Dr. p. 674; Gaz. vol. 136; p. 572.
- Ziegler, A. T., Allegheny, Pa. Thermostat. No. 906,357; Dec. 8; Sp. p. 2432; Gaz. vol. 137; p. 1417.
- Ziegler, E. C., Centralia, Wash. Amalgamator. No. 890,010; June 9; Sp. p. 1627; Dr. p. 364; Gaz. vol. 134; p. 1348.
- Ziegler, F. J., Berryton, Kans. Butte-cutting machine. No. 883,847; Apr. 7; Sp. p. 358; Dr. p. 69; Gaz. vol. 133; p. 1248.
- Ziegler, J., Coffeyville, Kans. Hame-tug and trace-buckle. No. 896,261; Aug. 18; Sp. p. 2932; Dr. p. 632; Gaz. vol. 135; p. 1426.
- Ziegler, J., Trenton, Ill. Wire-reel. No. 905,974; Dec. 8; Sp. p. 1689; Gaz. vol. 137; p. 1291.
- Ziegler, M., assignor to Oberbayerische Kokswerke und-Fabrik Chemischer Produkte Akt. Gesellschaft, Beuerberg, Germany. Kiln for coking peat or similar material. No. 876,421; Jan. 14; Sp. p. 1479; Dr. pp. 317-18; Gaz. vol. 132; p. 273.
- Ziehn, W. C. L. (See Schneider and Ziehn.)
- Zientarski, A. H., Milwaukee, Wis. Governor for marine engines. No. 904,667; Nov. 24; Sp. p. 4379; Gaz. vol. 137; p. 796.
- Zier, A., Chicago, Ill. Collar-fastener. No. 893,692; July 21; Sp. p. 2662; Dr. p. 559; Gaz. vol. 135; p. 489.
- Zieroth, W. F., Sheboygan, Wis. Developing, washing, and fixing box. No. 907,942; Dec. 29; Sp. p. 5586; Gaz. vol. 137; p. 2022.
- Zierlein, R. W., assignor to Paris Lamp Manufacturing Company, St. Louis, Mo. Gas-lamp. No. 900,817; Oct. 13; Sp. p. 1599; Dr. p. 324; Gaz. vol. 136; p. 1346.
- Zierlein, R. W., and W. Riechmann, assignors, by mesne assignments, to Paris Lamp Manufacturing Company, St. Louis, Mo. Gas-lamp. No. 875,763; Jan. 7; Sp. p. 165; Dr. p. 36; Gaz. vol. 132; p. 32.
- Ziesing, R., Cleveland, Ohio. Regenerative re-port-furnace. No. 876,891; Jan. 14; Sp. p. 2444; Dr. p. 532; Gaz. vol. 132; p. 431.
- Ziesing, R., assignor of one-half to Grasselli Chemical Company, Cleveland, Ohio. Refining zinc. No. 893,415; July 14; Sp. p. 2050; Dr. p. 423; Gaz. vol. 135; p. 369.
- Ziesing, R., assignor of one-half to Grasselli Chemical Company, Cleveland, Ohio. Apparatus for refining zinc. No. 893,560; July 14; Sp. p. 2336; Dr. p. 500; Gaz. vol. 135; p. 415.
- Zietarski, S., Newark, N. J. Working metals. No. 881,170; Mar. 10; Sp. p. 1350; Dr. p. 291; Gaz. vol. 133; p. 259.
- Zietarski, S., Newark, N. J. Metal-working machine. No. 886,572; May 5; Sp. p. 451; Dr. p. 96; Gaz. vol. 134; p. 83.
- Zillgitt, C. J., Fairmount, N. D. Automobile draft attachment. No. 903,942; Nov. 17; Sp. p. 2870; Gaz. vol. 137; p. 524.
- Zillgitt, C. J., and W. K. Stebbins, Fairmount, N. D. Flue-cutter. No. 903,941; Nov. 17; Sp. p. 2869; Gaz. vol. 137; p. 523.
- Zillich, H. (See Sirch, C., assignor.)
- Zima, A. H., Plymouth, Iowa. Collar-fastener. No. 897,184; Aug. 25; Sp. p. 4847; Dr. p. 1031; Gaz. vol. 135; p. 1750.
- Zimmerman, G., Philadelphia, Pa. Woven pile fabric. No. 908,371; Dec. 29; Sp. p. 6496; Gaz. vol. 137; p. 2168.
- Zimmel, B., New York, N. Y. Shovel and scoop. No. 883,071; Mar. 24; Sp. p. 5118; Dr. p. 1092; Gaz. vol. 133; p. 939.
- Zimmer, J., Glendale, Pa. Horse-detacher. No. 904,395; Nov. 17; Sp. p. 3799; Gaz. vol. 137; p. 677.
- Zimmer, J. J. (See Ruecht and Zimmer.)
- Zimmer, P. H., Schenectady, N. Y., assignor to General Electric Company. Rheostat. No. 894,565; July 28; Sp. p. 4509; Dr. p. 947; Gaz. vol. 135; p. 798.
- Zimmer, P. H., Schenectady, N. Y., assignor to General Electric Company. Rheostat. No. 901,512; Oct. 20; Sp. p. 3040; Dr. p. 621; Gaz. vol. 136; p. 1608.
- Zimmerli, C., assignor to Vetter Desk Works, Rochester, N. Y. Cabinet. No. 879,233; Feb. 18; Sp. p. 2743; Dr. p. 573; Gaz. vol. 132; p. 1360.
- Zimmerman, A. M., assignor to New Holland Machine Co., New Holland, Pa. Means for forcing cooling liquids to engines. No. 882,226; Mar. 17; Sp. p. 3479; Dr. pp. 739-40; Gaz. vol. 133; p. 628.
- Zimmerman, C., et al. (See Barnes, J., assignor.)
- Zimmerman, C. (See Fischer, Zimmerman, and Walker.)
- Zimmerman, C. M., Cincinnati, Ohio. Glue-testing process and apparatus. No. 896,191; Aug. 18; Sp. p. 2794; Dr. p. 602; Gaz. vol. 135; p. 1402.
- Zimmerman, F. M., Aurora, Ill. Anchor for guys. No. 876,127; Jan. 7; Sp. p. 868; Dr. p. 186; Gaz. vol. 132; p. 147.
- Zimmerman, H., Fremont, Ohio. Catch-bracket for shutter-fasteners. No. 887,174; May 12; Sp. p. 1645; Dr. p. 349; Gaz. vol. 134; p. 302.
- Zimmerman, H., Fremont, Ohio. Sill-plate for shutter-fasteners. No. 888,570; May 26; Sp. p. 4499; Dr. p. 953; Gaz. vol. 134; p. 824.
- Zimmerman, H., Fremont, Ohio. Shutter-fastener. No. 892,490; July 7; Sp. p. 195; Dr. p. 41; Gaz. vol. 135; p. 37.
- Zimmerman, H., Fremont, Ohio. Hinge. No. 892,491; July 7; Sp. p. 197; Dr. p. 41; Gaz. vol. 135; p. 37.
- Zimmerman, H., Fremont, Ohio. Bracket for shutter-fasteners. No. 906,358; Dec. 8; Sp. p. 2435; Gaz. vol. 137; p. 1418.
- Zimmerman, J., assignor of one-half to H. I. Cromer, Chicago, Ill. Removable cover for boxes or cans. No. 885,682; Apr. 21; Sp. p. 4129; Dr. p. 864; Gaz. vol. 133; p. 1905.

Alphabetical list of patentees—Continued.

- Zimmerman, J. C., J. C. Stoops, and R. M. Lane, assignors to said Lane, E. A. Lane, and C. A. Sharp, Neodesha, Kans. Railway-tie. No. 896,678; Aug. 18; Sp. p. 3766; Dr. pp. 813-14; Gaz. vol. 135; p. 1559.
- Zimmerman, M., Jeromeville, Ohio. Grain-meter. No. 892,492; July 7; Sp. p. 193; Dr. p. 42; Gaz. vol. 135; p. 38.
- Zimmerman, P. L. (See Rôpe and Zimmerman.)
- Zimmerman, R. E., assignor of one-third to S. M. Brewster, Troy, Kans. Hay-baler. No. 878,445; Feb. 4; Sp. p. 1095; Dr. p. 224; Gaz. vol. 132; p. 1029.
- Zimmerman, W. (See Wilson, W. L., assignor.)
- Zimmerman, W. C. F., Lone Tree, Iowa. Stump-puller. No. 905,399; Dec. 1; Sp. p. 537; Gaz. vol. 137; p. 1076.
- Zimmermann, A. J., New Orleans, La. Combined hammer and screw-driver. No. 875,880; Jan. 7; Sp. p. 378; Dr. p. 83; Gaz. vol. 132; p. 70.
- Zimmermann, J., New York, N. Y. Toy. No. 883,372; Mar. 31; Sp. p. 5749; Dr. p. 1228; Gaz. vol. 133; p. 1067.
- Zimmermann, J. H., *et al.* (See Traver, F. A., assignor.)
- Zimmermann, J. J. (See Grönvald, A., assignor.)
- Zinn, A. S., *et al.* (See Smart, W. J., assignor.)
- Zinn, M., *et al.* (See Smart, W. J., assignor.)
- Zinn, G. F., Derry, Pa. Baker's stool. No. 890,390; June 9; Sp. p. 2417; Dr. p. 533; Gaz. vol. 134; p. 1472.
- Zinn, H. W., Eddy, Okla. Buckle. No. 894,870; Aug. 4; Sp. p. 133; Dr. p. 29; Gaz. vol. 135; p. 923.
- Zinn, Firm of S. (See Scheuber, A. W., assignor.)
- Zion City Manufacturing Co. (See Hull, J. W. Sr., assignor.)
- Zix, C. E., Berlin, Germany, assignor to General Electric Company. Motor control. No. 877,030; Jan. 21; Sp. p. 2776; Dr. p. 600; Gaz. vol. 132; p. 519.
- Zoar Battery Company. (See Bimeler, J., assignor.)
- Zobel, E. A., Holmesville, Nebr. Thread-spool. No. 904,396; Nov. 17; Sp. p. 3801; Gaz. vol. 137; p. 678.
- Zoeller, F. (See Zoeller, O. and F.)
- Zoeller, O. and F., Hancock, Iowa. Four-horse equalizer. No. 877,278; Jan. 21; Sp. p. 3286; Dr. p. 711; Gaz. vol. 132; p. 602.
- Zofnass, E., Boston, Mass. Mattress-filling machine. No. 894,307; July 28; Sp. p. 4052; Dr. pp. 836-7; Gaz. vol. 135; p. 714.
- Zogg, N., New York, N. Y. Thread-cutter. No. 896,503; Aug. 18; Sp. p. 3443; Dr. p. 740; Gaz. vol. 135; p. 1505.
- Zoldowski, J. H., and P. F. Baranek, Toledo, Ohio. Horse-releasing means for vehicles. No. 878,851; Feb. 11; Sp. p. 2009; Dr. p. 416; Gaz. vol. 132; p. 1197.
- Zoll, G., Fayetteville, Tex. Nut-lock. No. 907,305; Dec. 22; Sp. p. 4259; Gaz. vol. 137; p. 1784.
- Zondervan, D. P., Winterset, Iowa. Dish-drainer. No. 888,953; May 26; Sp. p. 5320; Dr. p. 1129; Gaz. vol. 134; p. 949.
- Zooboavch, J., Brooklyn, N. Y. Spring attachment for shoes. No. 898,951; Sept. 15; Sp. p. 3383; Dr. p. 726; Gaz. vol. 136; p. 616.
- Zook, E. B., Leola, Pa. Gearing. No. 904,744; Nov. 24; Sp. p. 4548; Gaz. vol. 137; p. 821.
- Zöpichen, E., and C. Dusel, Hildesheim, Germany. Automatic door-closing apparatus. No. 889,163; May 26; Sp. p. 5750; Dr. pp. 1216-17; Gaz. vol. 134; p. 1019.
- Zorge, R. J. (See Flora and Zorge.)
- Zorge Safety Railway Equipment Company. (See Flora and Zorge, assignors.)
- Zörnisch, W., Cologne, Germany. Adjustable drawing-board. No. 881,276; Mar. 10; Sp. p. 1577; Dr. p. 337; Gaz. vol. 133; p. 294.
- Zschoge, O., Brooklyn, N. Y. Gasolene-strainer. No. 900,638; Oct. 6; Sp. p. 1213; Dr. p. 249; Gaz. vol. 136; p. 1259.
- Zsivanovics, B. (See Schwartz and Zsivanovics.)
- Zuberbuhler, A., Toronto, Ontario, Canada. Apparatus for molding articles from cementitious material. No. 887,565; May 12; Sp. p. 2518; Dr. pp. 530-1; Gaz. vol. 134; p. 434.
- Zubillaga, J. (See Altolaguirre and Zubillaga.)
- Zucker, A., Dresden, Germany. Composition for production of aromatic baths. No. 875,764; Jan. 7; Sp. p. 167; Gaz. vol. 132; p. 32.
- Zucker, A., assignor to Max Elb, Gesellschaft mit beschränkter Haftung, Dresden, Germany. Carbonated-ferruginous-bath composition. No. 907,943; Dec. 29; Sp. p. 5588; Gaz. vol. 137; p. 2022.
- Zucker & Levett & Loeb Co. (See Backus, C. G., assignor.)
- Zuckriegel, F., Cleveland, Ohio. Adjustment for suspenders. No. 903,429; Nov. 10; Sp. p. 1776; Gaz. vol. 137; p. 323.
- Zumpfe, W. A., *et al.* (See Lightford, W. L., assignor.)
- Zumstein, A. E., and H. R. Schmidt, Canton, Ohio. Bottle-holder. No. 907,551; Dec. 22; Sp. p. 4733; Gaz. vol. 137; p. 1865.
- Zünd, A., Paris, France. Apparatus for massaging the hearing organs. No. 878,760; Feb. 11; Sp. p. 1835; Dr. p. 379; Gaz. vol. 132; p. 1168.
- Zunner, J. H. G., Rochester, N. Y. Pitching barrels. No. 892,108; June 30; Sp. p. 5925; Dr. p. 1277; Gaz. vol. 134; p. 2131.
- Zura, J., assignor of one-half to Gebrüder Hammer, Berlin, Germany. Rotary engine. No. 880,182; Feb. 25; Sp. p. 4728; Dr. pp. 1000-1; Gaz. vol. 132; p. 1703.
- Zurcher, G., La Salle, N. Y. Package or mail catcher. No. 882,227; Mar. 17; Sp. p. 3480; Dr. p. 740; Gaz. vol. 133; p. 629.
- Zürn, P., Cassel, Germany. Manufacture of receptacles for liquids and gases. No. 907,552; Dec. 22; Sp. p. 4734; Gaz. vol. 137; p. 1865.
- Zuzak, A. (See Snyder and Zuzak.)
- Zvoniček, J., Brünn, Austria-Hungary. Elastic-fluid turbine. No. 876,422; Jan. 14; Sp. p. 1482; Dr. pp. 318-19; Gaz. vol. 132; p. 273.
- Zwack, R. (See Kottmair and Zwack.)
- Zweigler, E., assignor to Hörseelwerke, Eisenach, Germany. Folding rule with spring-joints. No. 884,255; Apr. 7; Sp. p. 1207; Dr. p. 254; Gaz. vol. 133; p. 1333.
- Zwemer, J. B., Saugatuck, Mich. Stove-caster. No. 896,050; Aug. 11; Sp. p. 2541; Dr. p. 550; Gaz. vol. 135; p. 1336.

ALPHABETICAL LIST OF PATENTEES OF DESIGNS.

- A. H. Heisey & Co. (See Whipple, C. S., assignor.)
 Abbaticchio, A., Latrobe, Pa. Framed picture. No. 39,681; Dec. 8; Gaz. vol. 137; p. 1463.
 Ahrenfeldt, C. J., New York, N. Y. Plate or similar article. Nos. 39,176-8; Mar. 10; Gaz. vol. 133; pp. 493-4.
 Ahrenfeldt, C. J., New York, N. Y. Covered dish or similar article. No. 39,179; Mar. 10; Gaz. vol. 133; p. 494.
 Albemarle Paper Manufacturing Company. (See Gibson, J., Jr., assignor.)
 Alexander, G. A., assignor to Davis & Galt, Philadelphia, Pa. Plate or similar article. No. 39,039; Jan. 28; Gaz. vol. 132; p. 823.
 Ailig, G., Indianapolis, Ind. Heating-stove. No. 39,650; Oct. 27; Gaz. vol. 136; p. 1980.
 Allingham, J., Chicago, Ill. Supporting-leg. No. 39,550; Sept. 15; Gaz. vol. 136; p. 639.
 Altenberg, G. P., Cincinnati, Ohio. Bottle-casing. No. 39,481; Sept. 1; Gaz. vol. 136; p. 203.
 American Can Company. (See Rudolphi, F., assignor.)
 American Hard Rubber Company. (See Grell, F. W., assignor.)
 American Negligee Company, Firm of. (See Kafka, R., assignor.)
 American Stove Company. (See Stockstrom, L., assignor.)
 Anchor Stove & Range Co. (See Turney, D. T., assignor.)
 Andrew B. Hendryx Co. (See Johnson, L. H., Jr., assignor.)
 Arnold, F. W., Providence, R. I., assignor to Wightman & Hough Company. Locket or similar article. No. 39,048; Feb. 4; Gaz. vol. 132; p. 1046.
 Aronson, L. V., Newark, N. J. Censer. No. 38,986; Jan. 7; Gaz. vol. 132; p. 209.
 Aronson, L. V., Newark, N. J. Clock-case. No. 39,312; May 19; Gaz. vol. 134; p. 755.
 Aronson, L. V., Newark, N. J. Clock holder or support. No. 39,330; June 2; Gaz. vol. 134; p. 1283.
 Ashley, F. M., New York, N. Y. Inkstand. No. 39,166; Mar. 3; Gaz. vol. 133; p. 208.
 Atwood, A., Seattle, Wash. Spoon. No. 39,555; Sept. 22; Gaz. vol. 136; p. 821.
 Aug. Goertz & Co. (See Eigen, B. vom, assignor.)
 Augusteen, F., Chicago, Ill. Chair. No. 39,409; July 7; Gaz. vol. 135; p. 201.
 Bagby, D. W., assignor to Obeir Nestor Glass Company, St. Louis, Mo. Bottle. No. 39,476; Sept. 1; Gaz. vol. 136; p. 202.
 Bahls, F. (See Finn, W. J., assignor.)
 Bain, B. F., Pittsburg, Pa. Pan-lifter. No. 39,441; Aug. 11; Gaz. vol. 135; p. 1345.
 Baldwin, C. H., assignor to Corbin Cabinet Lock Company, New Britain, Conn. Mail-box. No. 39,569; Sept. 22; Gaz. vol. 136; p. 824.
 Baldwin F. E., New York, N. Y. Acetylene-lamp. No. 38,988; Jan. 7; Gaz. vol. 132; p. 209.
 Ball, G. A., Muncie, Ind. Bottle. No. 39,251; Apr. 7; Gaz. vol. 133; p. 1415.
 Ball, G. E., Taunton, Mass. Body of tea or coffee pots or similar articles. No. 39,510; Sept. 8; Gaz. vol. 136; p. 415.
 Ball, G. E., Taunton, Mass. Platter or similar article. No. 39,511; Sept. 8; Gaz. vol. 136; p. 415.
 Barker Bros. (See Barker, F. E., assignor.)
 Barker, F. E., assignor to Barker Bros. Silversmiths Ltd., Birmingham, England. Tray or receptacle. No. 39,228; Mar. 31; Gaz. vol. 133; p. 1168.
 Barker, W. G. (See Nelson and Barker.)
 Barnhart Brothers & Spindler. (See Gaunt, S. C., assignor.)
 Barnhart Brothers & Spindler. (See Robinson, T. C., assignor.)
 Barry, D. P., New York, N. Y. Pin or button head. No. 39,164; Mar. 3; Gaz. vol. 133; p. 208.
 Bates, L. M. (See De Luisi, J. A., assignor.)
 Battles, G. W., Morgantown, W. Va. Match-box. No. 39,304; May 12; Gaz. vol. 134; p. 496.
 Beaudoin, E. (See Julien and Beaudoin.)
 Beiderhase, G. B., assignor to Fahys Watch Case Company, New York, N. Y. Bottle. No. 39,730; Dec. 29; Gaz. vol. 137; p. 2196.
 Bendix, A. J., New York, N. Y. Necktie. No. 39,378; June 23; Gaz. vol. 134; p. 2008.
 Benjamin Electric Manufacturing Company. (See Benjamin, R. B., assignor.)
 Benjamin, R. B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-light cluster. No. 39,057; Feb. 4; Gaz. vol. 132; p. 1047.
 Bennett, C. A., assignor to R. Wallace & Sons Manufacturing Co., Wallingford, Conn. Spoon, fork, or similar article. No. 39,340; June 9; Gaz. vol. 134; p. 1540.
 Benton, M. F., Plainfield, assignor to Type Founders Company, Jersey City, N. J. Font of printing-type. Nos. 39,325-8; May 26; Gaz. vol. 134; pp. 1028-9.
 Berolzheim, E., assignor to Eagle Pencil Company, New York, N. Y. Revolving display-stand. No. 39,376; June 23; Gaz. vol. 134; p. 2008.
 Berry, G. H., Shelton, assignor to International Silver Company, Meriden, Conn. Back for brushes, mirrors, and similar toilet articles. No. 39,717; Dec. 22; Gaz. vol. 137; p. 1922.
 Bessière, L., Paris, France. Drinking-glass. No. 39,047; Jan. 28; Gaz. vol. 132; p. 825.
 Beukelaer, F. X., de Antwerp, Belgium. Bottle. No. 39,117; Feb. 11; Gaz. vol. 132; p. 1295.
 Bevan, W. W., Melrose, Mass. Bonbon-spoon. No. 39,468; Sept. 1; Gaz. vol. 136; p. 200.
 Bigalow, J. H., Ravenna, Ohio. Toy bank. No. 39,644; Oct. 27; Gaz. vol. 136; p. 1979.
 Birkin, C. W., Nottingham, England. Levers lace. Nos. 39,188-92; Mar. 10; Gaz. vol. 133; p. 496.
 Birkin, C. W., Nottingham, England. Levers lace. Nos. 39,668-70; Nov. 10; Gaz. vol. 137; p. 455.
 Black and Company, H. (See Reisman, N., assignor.)
 Blaetz, J. E. (See Griffith, D. R., assignor.)
 Blanchard, A. H. (See Thomasma and Blanchard.)
 Bliss, E. J., Edgartown, assignor to Regal Shoe Company, Boston, Mass. Street-sign. No. 39,465; Aug. 25; Gaz. vol. 135; p. 1785.
 Blumenthal, S., New York, N. Y. Pile fabric. No. 39,163; Feb. 25; Gaz. vol. 132; p. 1811.
 Boehm, A., assignor to Boehm & Levine, New York, N. Y. Ruching. No. 39,498; Sept. 1; Gaz. vol. 136; p. 206.
 Boehm & Levine. (See Boehm, A., assignor.)
 Boman, C. W., assignor to Eagle Pencil Company, New York, N. Y. Automatic lead and crayon holder. No. 39,561; Sept. 22; Gaz. vol. 136; p. 822.
 Booth, K., assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Artificial-light shade or globe. No. 39,447; Aug. 18; Gaz. vol. 135; p. 1567.
 Booth, K., assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Artificial-light reflector. Nos. 39,448-9; Aug. 18; Gaz. vol. 135; p. 1567.
 Borchardt, S., New York, N. Y. Shoe. No. 39,203; Mar. 17; Gaz. vol. 133; p. 739.
 Bosworth, I. C. A., and O. R. Chesnutwood, Seattle, Wash. Head for canes, pins, or similar articles. No. 39,715; Dec. 22; Gaz. vol. 137; p. 1922.
 Bowers, F. U., San Francisco, Cal. Bottle. No. 39,292; May 5; Gaz. vol. 134; p. 236.
 Bowman, C. H., Berlin, N. J., assignor to Brenker and Kessler Company, Philadelphia, Pa. Box-covering paper. No. 39,425; July 14; Gaz. vol. 135; p. 431.
 Brandt, O. E., Brooklyn, N. Y., assignor to Stanley Works, New Britain, Conn. Hinge-leaf. Nos. 39,363-5; June 16; Gaz. vol. 134; p. 1781.
 Branson, B. M., Lincoln, Nebr. Badge. No. 39,427; July 21; Gaz. vol. 135; p. 650.
 Braunstein, C. B., Cincinnati, Ohio. Emblem or similar article. No. 39,587; Sept. 29; Gaz. vol. 136; p. 1046.
 Bray, M. N., Boston, Mass. Lacing-hook. No. 39,201; Mar. 17; Gaz. vol. 133; p. 738.
 Brenker and Kessler Company. (See Bowman, C. H., assignor.)
 Brenker and Kessler Company. (See Schramm, A. F., assignor.)
 Breerton, W. D., Monmouth, Ill. Pottery jar. Nos. 39,139-40; Feb. 18; Gaz. vol. 132; p. 1562.
 Briggs, W. C., Winston Salem, N. C. Vending-machine casing. No. 39,548; Sept. 15; Gaz. vol. 136; p. 639.
 Brinton, C., Portland, Ore. Emblem or badge. No. 39,367; June 23; Gaz. vol. 134; p. 2006.
 Brodeur, A. A., Worcester, Mass. Casing for muscle-testing machines. No. 39,159; Feb. 25; Gaz. vol. 132; p. 1810.
 Brogan, A. D., and A. M. Malloch, Firhill, Glasgow, Scotland. Plate-glass. No. 39,185; Mar. 10; Gaz. vol. 133; p. 495.

Alphabetical list of patentees of designs—Continued.

- Bromley & Sons, J. (See Hardy, W., assignor.)
 Bromley & Sons, J. (See Petzold, A., assignor.)
 Brooks, F. M., New York, N. Y. Inverted gas-burner. No. 39,567; Sept. 22; Gaz. vol. 136; p. 823.
 Brooks, W., Chicago, Ill., assignor to Great Council of the United States of the Improved Order of Red Men. Badge. No. 39,315; May 26; Gaz. vol. 134; p. 1027.
 Brothers, W. H., assignor to Columbia Hardware Company, Cleveland, Ohio. Screen-door hinge. No. 38,992; Jan. 7; Gaz. vol. 132; p. 210.
 Brown, D. R., assignor to R. M. F. D., R. M., Jr., L. G., and E. L. Green, Philadelphia, Pa. Jar. No. 39,291; May 5; Gaz. vol. 134; p. 236.
 Budd, E. G., assignor to Hale-Kilburn Metal Company, Philadelphia, Pa. Seat end. No. 39,630; Oct. 20; Gaz. vol. 136; p. 1750.
 Buehler, H. W., Sr., New York, N. Y. Pincushion and receptacle. No. 39,514; Sept. 8; Gaz. vol. 136; p. 415.
 Bunting, C. H., assignor to Weber-Erickson-Bunting Company, Pittsburg, Pa. Watch-fob. Nos. 39,461-2; Aug. 25; Gaz. vol. 135; p. 1784.
 Burke, B. E., Malone, N. Y. Emblem. No. 39,633; Oct. 27; Gaz. vol. 136; p. 1977.
 Burnett, W. J., Minneapolis, Minn. Badge or similar article. No. 39,308; May 19; Gaz. vol. 134; p. 754.
 Burstow, Kollmar & Co. (See Kollmar, H., assignor.)
 Caldwell, L., East Orange, N. J. Badge. No. 39,033; Jan. 28; Gaz. vol. 132; p. 823.
 Caloris Manufacturing Company. (See Friedrich, F. O. E., assignor.)
 Cambridge Novelty Company. (See Lightbody, F. J., assignor.)
 Campbell, J. R., Des Moines, Iowa. Game-board. No. 39,517; Sept. 8; Gaz. vol. 136; p. 416.
 Capen, B. T., Northampton, Mass. Emblem. No. 39,380; June 30; Gaz. vol. 134; p. 2224.
 Carey, W. J., New York, N. Y. Ring. No. 39,309; May 19; Gaz. vol. 134; p. 754.
 Champlin, W. B., Dallas, Tex. Schedule-card for the game of five hundred. No. 39,578; Sept. 22; Gaz. vol. 136; p. 825.
 Cheney Brothers. (See Dupont, P., assignor.)
 Cheney Brothers. (See Gattiker, R., assignor.)
 Cheney Brothers. (See Johnstone, H. P., assignor.)
 Cheney Brothers. (See Mouton, P., assignor.)
 Cheney Brothers. (See Schneidesch, P., assignor.)
 Cheney Brothers. (See Sins, E., assignor.)
 Cherry, J. W., Norfolk, Va., assignor to Great Council of the United States of the Improved Order of Red Men. Badge. No. 39,316; May 26; Gaz. vol. 134; p. 1027.
 Cherry, J. W., Norfolk, Va., assignor to Great Council of the United States of the Improved Order of Red Men. Watch-charm. No. 39,317; May 26; Gaz. vol. 134; p. 1027.
 Chesnutwood, O. R. (See Bosworth and Chesnutwood.)
 Clark, C. H., Denver, Colo. Pin or button head. No. 39,436; Aug. 4; Gaz. vol. 135; p. 1106.
 Clark, W. B., Chicago, Ill. Game-board. No. 39,306; May 12; Gaz. vol. 134; p. 496.
 Clarke, B. J., Los Angeles, Cal. Badge. No. 39,133; Feb. 18; Gaz. vol. 132; p. 1561.
 Clement, E. E., Washington, D. C. Automatic telephone switch-frame. No. 39,144; Feb. 18; Gaz. vol. 132; p. 1563.
 Clulee, J., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. Nos. 39,341-2; June 9; Gaz. vol. 134; p. 1541.
 Clulee, J., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 39,469; Sept. 1; Gaz. vol. 136; p. 200.
 Clutter, A., Homer, Ill. Bracket. No. 39,418; July 14; Gaz. vol. 135; p. 429.
 Codman, W. C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. No. 39,249; Apr. 7; Gaz. vol. 133; p. 1415.
 Codman, W. C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle of spoons, forks, or similar articles. Nos. 39,381-2; June 30; Gaz. vol. 134; pp. 2224-5.
 Codman, W. C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle of spoons, forks, or similar articles. No. 39,470; Sept. 1; Gaz. vol. 136; p. 201.
 Coke, G. M., assignor to Fuller-Warren Co., Milwaukee, Wis. Stove. No. 39,160; Feb. 25; Gaz. vol. 132; p. 1810.
 Coker, M. G., New York, N. Y. Flag. No. 39,541; Sept. 15; Gaz. vol. 136; p. 638.
 Colby, E. B., Montclair, N. J. Stove. No. 39,595; Sept. 29; Gaz. vol. 136; p. 1048.
 Coleman, J. G. (See Davis, B. M., assignor.)
 Collis, E. L., Cincinnati, Ohio. Pedestal and jardinière. No. 39,016; Jan. 14; Gaz. vol. 132; p. 447.
 Colt's Patent Fire Arms Manufacturing Company. (See Nichols, F. C., assignor.)
 Columbia Hardware Company. (See Brothers, W. H., assignor.)
 Columbia Trust Company. (See Terrell, P., assignor.)
 Columbian Hardware Company. (See Valentine, H. J., assignor.)
 Cooperative Foundry Company. (See Kennedy and King, assignors.)
 Cope, G. W. (See Thompson and Cope.)
 Corbin Cabinet Lock Company. (See Baldwin, C. H., assignor.)
 Corbin Cabinet Lock Company. (See Johnson, C. E., assignor.)
 Cordeau, R. T., New York, assignor to Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glass shade and ball. Nos. 39,182-3; Mar. 10; Gaz. vol. 133; p. 495.
 Cornelison, R. W. (See Wiggin and Cornelison.)
 Cowan, J. (See Gray, O. W., assignor.)
 Cowie, J. A., Chesaw, Wash. Bracelet. No. 39,339; June 9; Gaz. vol. 134; p. 1540.
 Crane, R. E., Cameron, W. Va. Water-closet-cistern casing. No. 39,322; May 26; Gaz. vol. 134; p. 1028.
 Crane, W. M., New York, N. Y., assignor to William M. Crane Company. Gas-range. No. 39,626; Oct. 20; Gaz. vol. 136; p. 1749.
 Cross, E. O., assignor to Fostoria Glass Specialty Company, Fostoria, Ohio. Globe for pendent lights. No. 39,405; July 7; Gaz. vol. 135; p. 201.
 Culter, H. G., assignor to Culter & Proctor Stove Company, Peoria, Ill. Stove. No. 39,422; July 14; Gaz. vol. 135; p. 430.
 Culter & Proctor Stove Company. (See Culter, H. G., assignor.)
 Culver, R. A., assignor to E. Ingraham Co., Bristol, Conn. Foot for clock-cases. No. 39,563; Sept. 22; Gaz. vol. 136; p. 823.
 Cutler, J. L., Fort Myers, Fla. Hand-bag. No. 39,200; Mar. 17; Gaz. vol. 133; p. 738.
 Daniels, F. M., Somerville, assignor to Dennison Manufacturing Company, Boston, Mass. Trimming. No. 39,147; Feb. 18; Gaz. vol. 132; p. 1564.
 Daucher, E., New York, N. Y. Pincushion. No. 39,579; Sept. 22; Gaz. vol. 136; p. 825.
 Davis, B. M., Chicago, Ill., assignor, by mesne assignments, to Hilo Gum Company. Casing for vending-machines. No. 39,257; Apr. 7; Gaz. vol. 133; p. 1416.
 Davis, B. M., Morris, assignor to J. G. Coleman, Chicago, Ill. Casing for vending-machines. Nos. 39,527-8; Sept. 8; Gaz. vol. 136; p. 418.
 Davis & Galt. (See Alexander, G. A., assignor.)
 De Luisi, J. A., assignor to himself and M. L. Bates, Cincinnati, Ohio. Finger-ring or similar article. No. 39,623; Oct. 20; Gaz. vol. 136; p. 1748.
 Dehn, W. H., Cleveland, Ohio. Washtray-bib. No. 39,648; Oct. 27; Gaz. vol. 136; p. 1980.
 Deman, F., assignor to Leroy Manufacturing Company, New York, N. Y. Brooch. No. 39,458; Aug. 25; Gaz. vol. 135; p. 1783.
 Dennison Manufacturing Co. (See Mead, C. L., assignor.)
 Dennison Manufacturing Company. (See Daniels, F. M., assignor.)
 Denton, D. D. and R. W., Wellesley, Mass. Locket, pendant, or similar article. No. 39,413; July 14; Gaz. vol. 135; p. 428.
 Denton, R. W. (See Denton, D. D. and R. W., assignors.)
 Diebel, W., Philadelphia, Pa. Spark-plug. No. 39,287; Apr. 28; Gaz. vol. 133; p. 2156.
 Dieges, C. J., New York, N. Y. Badge. No. 39,366; June 23; Gaz. vol. 134; p. 2006.
 Dieges, C. J., New York, N. Y. Badge. Nos. 39,671-2; Dec. 1; Gaz. vol. 137; p. 1216.
 Diehl, H. L., Chicago, Ill. Badge. No. 39,134; Feb. 18; Gaz. vol. 132; p. 1561.
 Dix, H. E. (See Willson and Dix.)
 Dobbins, E. J., London, England. Prism-plate. No. 39,666; Nov. 10; Gaz. vol. 137; p. 454.
 Doyle, B. W., Leominster, Mass., assignor to Pacific Novelty Company. Comb. No. 39,657; Nov. 3; Gaz. vol. 137; p. 204.
 Dudley, H. E., Scarsdale, N. Y. Plate. No. 39,658; Nov. 3; Gaz. vol. 137; p. 204.
 Dupont, P., Paris, France, assignor to Cheney Brothers. Textile fabric. No. 39,149; Feb. 18; Gaz. vol. 132; p. 1564.
 Durand, G. G., Lake Bluff, Ill. Bottle. No. 39,207; Mar. 17; Gaz. vol. 133; p. 739.
 E. Ingraham Co. (See Culver, R. A., assignor.)
 E. H. Smith Silver Co. (See Ittig, G. P., assignor.)
 Eagle Pencil Company. (See Berolzheim, E., assignor.)

Alphabetical list of patentees of designs—Continued.

- Eagle Pencil Company. (See Boman, C. W., assignor.)
 Eagle Pencil Company. (See Heymann, H., assignor.)
 Eagle Pencil Company. (See McIntyre, F., assignor.)
 Eason, H. H., Chicago, Ill. Lamp. No. 39,734; June 23; Gaz. vol. 134; p. 2007.
 Eastwood-Park Company. (See Keller, S. A., assignor.)
 Ebeling, P., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler. No. 29,400; July 7; Gaz. vol. 135; p. 200.
 Economy Electric Company. (See Wohl, M. J., assignor.)
 Edwards, W. E., Brooklyn, N. Y. Badge. No. 39,335; June 9; Gaz. vol. 134; p. 1540.
 Edwards, W. E., Brooklyn, N. Y. Ring. No. 39,553; Sept. 22; Gaz. vol. 136; p. 821.
 Egginton, W. E., Corning, N. Y. Glass dish or similar article. No. 39,051; Feb. 4; Gaz. vol. 132; p. 1046.
 Eigen, B., vom, Newark, N. J., assignor to Aug. Goertz & Co. Pocket-bank. No. 39,217; Mar. 24; Gaz. vol. 133; p. 972.
 Eigen, B., vom, Newark, N. J., assignor to Aug. Goertz & Co. Money-box. No. 39,260; Apr. 14; Gaz. vol. 133; p. 1654.
 Eldredge, Z. S., San Francisco, Cal. Emblem. No. 39,258; Apr. 14; Gaz. vol. 133; p. 1653.
 Elkin, C., New York, N. Y. Pipe-holder. No. 39,558; Sept. 22; Gaz. vol. 136; p. 822.
 Empire Jewelry Case Company. (See Sundee, J. R., assignor.)
 English, J. C., Camden, N. J., assignor to Victor Talking Machine Company. Cabinet for talking-machines. No. 39,017; Jan. 14; Gaz. vol. 132; p. 448.
 Enos Company. (See Hopton, L. R., assignor.)
 Enos Company. (See Watkins, H. E., assignor.)
 Ernst, C. M. (See McClung, E., assignor.)
 Estep, E. R., assignor to Packard Motor Car Company, Detroit, Mich. Lamp. No. 39,564; Sept. 22; Gaz. vol. 136; p. 823.
 Eustis, J. P., Newton, Mass. Mirror or picture frame. Nos. 39,638-41; Oct. 27; Gaz. vol. 136; p. 1978.
 Evans, H. S., Cleveland, Ohio. Bottle. No. 39,512; Sept. 8; Gaz. vol. 136; p. 415.
 Faber, E., New York, N. Y. Eraser. No. 39,025; Jan. 14; Gaz. vol. 132; p. 449.
 Fahys Watch Case Company. (See Beiderhase, G. B., assignor.)
 Fahys Watch Case Company. (See Habensack, F., assignor.)
 Falbo, A., New York, N. Y. Belt. No. 39,667; Nov. 10; Gaz. vol. 137; p. 455.
 Farrell, G. R., assignor to Harvard Novelty Company, Leominster, Mass. Barrette or hair-fastener. No. 39,554; Sept. 22; Gaz. vol. 136; p. 821.
 Field, J. A., assignor to United States Radiator Company, Dunkirk, N. Y. Radiator. No. 39,324; May 26; Gaz. vol. 134; p. 1028.
 Finn, W. J., assignor to one-half to F. Bahls, Scranton, Pa. Water-heater. No. 39,489; Sept. 1; Gaz. vol. 136; p. 204.
 Fishel, H. W., assignor to Fishel, Nessler & Co., New York, N. Y. Brooch-pin. Nos. 39,278-9; Apr. 28; Gaz. vol. 133; p. 2155.
 Fishel, H. W., New York, N. Y., assignor to Fishel, Nessler & Company. Brooch-pin. Nos. 39,459-60; Aug. 25; Gaz. vol. 135; p. 1784.
 Fishel, H. W., New York, N. Y., assignor to Fishel, Nessler & Company. Display-stand. No. 39,483; Sept. 1; Gaz. vol. 136; p. 204.
 Fishel, H. W., New York, N. Y., assignor to Fishel, Nessler & Company. Brooch-pin. No. 39,693; Dec. 22; Gaz. vol. 137; p. 1918.
 Fishel, Nessler & Company. (See Fishel, H. W., assignor.)
 Fisher, C., Oak Park, Ill. Pocket savings-bank. No. 39,204; Mar. 17; Gaz. vol. 133; p. 739.
 Fondeville, A. J., West Hoboken, N. J. Decorative plate. No. 39,198; Mar. 17; Gaz. vol. 133; p. 738.
 Foster, C. H., Cleveland, Ohio. Horn. No. 39,026; Jan. 14; Gaz. vol. 132; p. 449.
 Fostoria Glass Company. (See Ebeling, P., assignor.)
 Fostoria Glass Company. (See Haley, J. C., assignor.)
 Fostoria Glass Company. (See Heedy, J. J., assignor.)
 Fostoria Glass Specialty Company. (See Cross, E. O., assignor.)
 Fox, L. J., Cincinnati, Ohio. Emblem. No. 39,433; July 28; Gaz. vol. 135; p. 877.
 Fox, L. J., Cincinnati, Ohio. Emblem. No. 39,622; Oct. 20; Gaz. vol. 136; p. 1748.
 French, C. H., Canton, Mass., assignor to French & Ward, New York, N. Y. Knit fabric. No. 39,334; June 2; Gaz. vol. 134; p. 1284.
 French & Ward. (See French, C. H., assignor.)
 Freund, Z., Newark, N. J. Head of brooches, scarf-pins, or similar articles. No. 39,727; Dec. 29; Gaz. vol. 137; p. 2195.
 Friedley-Voshardt Company. (See Voshardt, H. F., assignor.)
 Friedrich, F. O. E., New York, N. Y., assignor to Caloris Manufacturing Company. Bottle. No. 39,477; Sept. 1; Gaz. vol. 136; p. 202.
 Frings, M. J., assignor to Société Maurice Frings et Cie, Paris, France. Reel or bobbin. No. 39,254; Apr. 7; Gaz. vol. 133; p. 1416.
 Fritchle Automobile & Battery Company. (See Fritchle, O. P., assignor.)
 Fritchle, O. P., assignor to Fritchle Automobile & Battery Company. Automobile-body. No. 39,576; Sept. 22; Gaz. vol. 136; p. 825.
 Fritzsche & Co., L. (See Mitchell, S., assignor.)
 Fritzsche, L., Newark, N. J. Sugar or confectionery tongs. No. 39,445; Aug. 18; Gaz. vol. 135; p. 1566.
 Fritzsche, L., Newark, N. J., assignor to Richmond Brothers Company. Candy-tongs member. No. 39,508; Sept. 8; Gaz. vol. 136; p. 414.
 Frost, W. J., Kenosha, Wis. Trap for waste-water pipes. No. 39,573; Sept. 22; Gaz. vol. 136; p. 825.
 Fulcher, F. F. (See Perry and Fulcher.)
 Fuller, A. (See Hering and Fuller.)
 Fuller-Warren Co. (See Coke, G. M., assignor.)
 Gale, H. M., Syracuse, N. Y. Carton-holder. No. 39,545; Sept. 15; Gaz. vol. 136; p. 638.
 Garrett, P., Norfolk, Va. Bottle. No. 39,215; Mar. 24; Gaz. vol. 133; p. 971.
 Gattiker, R., Paris, France, assignor to Cheney Brothers. Textile fabric. Nos. 39,150-4; Feb. 18; Gaz. vol. 132; pp. 1564-5.
 Gaunt, S. C., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. No. 39,377; June 23; Gaz. vol. 134; p. 2008.
 Gaunt, S. C., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. Nos. 39,429-31; July 21; Gaz. vol. 135; p. 650.
 Gaunt, S. C., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. No. 39,493; Sept. 1; Gaz. vol. 136; p. 205.
 Gaunt, S. C., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. Nos. 39,720-1; Dec. 22; Gaz. vol. 137; p. 1923.
 Gaynor, T. F., New York, N. Y. Badge. No. 39,599; Oct. 6; Gaz. vol. 136; p. 1278.
 General Electric Company. (See Ryan and Stickney, assignors.)
 General Vehicle Company. (See Lloyd, R. M., assignor.)
 Gibson, J., Jr., assignor to Wrenn Paper Company, Middletown, Ohio. Blotting-paper. No. 39,544; Sept. 15; Gaz. vol. 136; p. 638.
 Gibson, J., Jr., assignor to Albemarle Paper Manufacturing Company, Richmond, Va. Blotting-paper. No. 39,690; Dec. 15; Gaz. vol. 137; p. 1687.
 Gilbert, F. C., assignor to Pope Manufacturing Company, Hartford, Conn. Bicycle-frame. No. 39,620; Oct. 13; Gaz. vol. 136; p. 1506.
 Gillinder & Sons. (See Booth, K., assignor.)
 Ginder, W. G., St. Joseph, Mo. Locket or similar article. No. 38,980; Jan. 7; Gaz. vol. 132; p. 208.
 Gleason, M. W., New York, assignor to Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glass shade or globe. No. 39,180; Mar. 10; Gaz. vol. 133; p. 494.
 Gleason-Tiebout Glass Company. (See Cordeau, R. T., assignor.)
 Gleason-Tiebout Glass Company. (See Gleason, M. W., assignor.)
 Gleason-Tiebout Glass Company. (See Schilling, P., assignor.)
 Gordon, J., Jr., New Rochelle, N. Y. Mechanical whistle or siren. No. 39,056; Feb. 4; Gaz. vol. 132; p. 1047.
 Gorham Company. (See Kirk, F. L., assignor.)
 Gorham Manufacturing Company. (See Codman, W. C., assignor.)
 Grant, M., Philadelphia, Pa. Mirror. No. 39,507; Sept. 8; Gaz. vol. 136; p. 414.
 Gray, O. W., Cambridge, assignor to J. Cowan, Boston, Mass. Badge or similar article. No. 39,615; Oct. 13; Gaz. vol. 136; p. 1505.
 Great Council of the United States of the Improved Order of Red Men. (See Brooks, W., assignor.)
 Great Council of the United States of the Improved Order of Red Men. (See Cherry, J. W., assignor.)
 Green, E. L., *et al.* (See Brown, D. R., assignor.)
 Green, F. C., New York, N. Y. Electric-heater casing. No. 39,040; Jan. 28; Gaz. vol. 132; p. 824.
 Green, F. C., Des Moines, Iowa. Furnace. No. 39,608; Oct. 6; Gaz. vol. 136; p. 1279.
 Green, F. D., *et al.* (See Brown, D. R., assignor.)
 Green, L. G., *et al.* (See Brown, D. R., assignor.)
 Green, R. M., *et al.* (See Brown, D. R., assignor.)
 Green, R. M., Jr., *et al.* (See Brown, D. R., assignor.)
 Greene, J. J., Providence, R. I. Bottle. No. 39,478; Sept. 1; Gaz. vol. 136; p. 202.
 Gregory, J. H., Morris Plains, N. J. Guard-ring for bridle-bits. No. 38,989; Jan. 7; Gaz. vol. 132; p. 209.
 Greig, Milliken, N. Y. Bottle or flask. No. 39,231; Mar. 31; Gaz. vol. 133; p. 1168.
 Grell, F. W., New York, N. Y., assignor to American Hard Rubber Company. Comb. Nos. 39,167-70; Mar. 3; Gaz. vol. 133; pp. 208-9.
 Greulich, J., Cleveland, Ohio. Automobile-horn. No. 39,123; Feb. 11; Gaz. vol. 132; p. 1296.
 Griffith, D. R., assignor to one-half to J. E. Blaetz, Philadelphia, Pa. Shirt-collar. No. 39,298; May 5; Gaz. vol. 134; p. 237.
 Grossbach, A. H., Jersey City, N. J. Braid and braid neckwear. No. 39,174; Mar. 3; Gaz. vol. 133; p. 209.
 Grossman, H., New York, N. Y. Hand-bag. No. 39,157; Feb. 25; Gaz. vol. 132; p. 1809.

Alphabetical list of patentees of designs—Continued.

- Grossman, H., New York, N. Y. Pocket-book. No. 39,417; July 14; Gaz. vol. 135; p. 429.
- Gutermann, E. A. (See Savage and Gutermann.)
- Gutta Percha & Rubber Manufacturing Company. (See Spadone, Alfred A., assignor.)
- Guy, W. J., New York, N. Y. Shorthand note-sheet. No. 39,492; Sept. 1; Gaz. vol. 136; p. 205.
- H. B. Wiggin's Sons Company. (See Wiggin and Cornelison, assignors.)
- H. J. Heinz Company. (See Taylor, D., assignor.)
- Haas, F. A., New York, N. Y., assignor to M. J. Whittall, Worcester, Mass. Rug. No. 39,222; Mar. 24; Gaz. vol. 133; p. 973.
- Haas, F. A., New York, N. Y., assignor to M. J. Whittall, Worcester, Mass. Carpet. No. 39,497; Sept. 1; Gaz. vol. 136; p. 206.
- Habensack, F., Sag Harbor, assignor to Fahys Watch Case Company, New York, N. Y. Handle of spoons, forks, or similar articles. No. 39,138; Feb. 18; Gaz. vol. 132; p. 1562.
- Habensack, F., Sag Harbor, assignor to Fahys Watch Case Company, New York, N. Y. Handle of spoons, forks, or similar articles. No. 39,369; June 23; Gaz. vol. 134; p. 2006.
- Habensack, F., Sag Harbor, assignor to Fahys Watch Case Company, New York, N. Y. Handle for spoons, forks, or similar articles. No. 39,509; Sept. 8; Gaz. vol. 136; p. 414.
- Hagen, E. S., and G. B. Townsend, assignors to National Penny Sales Company, Chicago, Ill. Vending-machine case. No. 39,158; Feb. 25; Gaz. vol. 132; p. 1810.
- Hale-Kilburn Metal Company. (See Budd, E. G., assignor.)
- Haley, J. C., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler. No. 39,399; July 7; Gaz. vol. 135; p. 200.
- Haley, J. C., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel. No. 39,402; July 7; Gaz. vol. 135; p. 200.
- Hall, O. F., assignor to Murine Eye Remedy Company, Chicago, Ill. Medicine-dropper. No. 39,683; Dec. 8; Gaz. vol. 137; p. 1464.
- Hall, O. F., assignor to Murine Eye Remedy Company, Chicago, Ill. Medicine-dropper and bottle-stopper. No. 39,688; Dec. 15; Gaz. vol. 137; p. 1686.
- Hansen, C. E., Providence, R. I. Emblem. No. 39,723; Dec. 29; Gaz. vol. 137; p. 2195.
- Hardy, W., assignor to J. Bromley & Sons, Philadelphia, Pa. Lace curtain. No. 39,020; Jan. 14; Gaz. vol. 132; p. 448.
- Hardy, W., Philadelphia, Pa., assignor to J. Bromley & Sons. Lace curtain. Nos. 39,494-5; Sept. 1; Gaz. vol. 136; p. 205.
- Hardy, W., assignor to J. Bromley & Sons, Philadelphia, Pa. Lace curtain. Nos. 39,535-6; Sept. 8; Gaz. vol. 136; p. 420.
- Harriman, E. H. (See McKeen, W. R., Jr., assignor.)
- Hartzell, I. C., Tabernilla, Panama. Ring. No. 39,368; June 23; Gaz. vol. 134; p. 2006.
- Harvard Novelty Company. (See Farrell, G. R., assignor.)
- Hanser, L., assignor of one-half to S. Weil, New York, N. Y. Belt. No. 39,679; Dec. 1; Gaz. vol. 137; p. 1218.
- Havens, M., Jr., Albany, N. Y. Branch box for insulated electric wires. Nos. 39,707-8; Dec. 22; Gaz. vol. 137; pp. 1920-1.
- Hebestreit, O., Colorado Springs, Colo. Sideboard. No. 39,491; Sept. 1; Gaz. vol. 136; p. 205.
- Hebestreit, O., Colorado Springs, Colo. Glass-holding tray. No. 39,557; Sept. 22; Gaz. vol. 136; p. 822.
- Heedy, J. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Vessel. No. 39,156; Feb. 25; Gaz. vol. 132; p. 1809.
- Heetzberg, H. (See Wohl and Heetzberg.)
- Heffron, L. J., Lestershire, N. Y. Work-stand. No. 39,684; Dec. 8; Gaz. vol. 137; p. 1464.
- Heimann, H., St. Louis, Mo. Display-cabinet. No. 39,210; Mar. 17; Gaz. vol. 133; p. 740.
- Helbig, W., Jersey City, N. J., assignor to Kursheedt Manufacturing Company, New York, N. Y. Trimming. No. 37,175; Mar. 3; Gaz. vol. 133; p. 209.
- Helbig, W., Jersey City, N. J., assignor to Kursheedt Manufacturing Company, New York, N. Y. Trimming. No. 39,598; Sept. 29; Gaz. vol. 136; p. 1048.
- Hensel-Colladay Company. (See Kirberg, J. E., assignor.)
- Herbert, H. J., Detroit, Mich. Back for brushes, mirrors, or similar articles. Nos. 39,450-1; Aug. 25; Gaz. vol. 135; p. 1782.
- Herbert, H. J., Detroit, Mich. Back for mirrors, brushes, or similar articles. Nos. 39,452-5; Aug. 25; Gaz. vol. 135; p. 1783.
- Herbert, H. J., Detroit, Mich. Back for brushes, mirrors, or similar articles. Nos. 39,473-5; Sept. 1; Gaz. vol. 136; pp. 201-2.
- Herbert, H. J., Detroit, Mich. Handle for manicuring-files, tooth-brushes, or similar articles. Nos. 39,502-3; Sept. 8; Gaz. vol. 136; p. 413.
- Herbert, H. J., Detroit, Mich. Back for brushes, mirrors, or similar articles. No. 39,504; Sept. 8; Gaz. vol. 136; p. 413.
- Herbert, H. J., Detroit, Mich. Back for mirrors, brushes, or similar articles. Nos. 39,505-6; Sept. 8; Gaz. vol. 136; p. 414.
- Hermann, C. H., Chicago, Ill. Bottle. No. 39,216; Mar. 24; Gaz. vol. 133; p. 972.
- Hertzberg, H. (See Wohl and Hertzberg.)
- Hiering, C., and A. Fuller, Newark, N. J. Bag-fastening member. No. 39,218; Mar. 24; Gaz. vol. 133; p. 972.
- Hiering, C., and A. Fuller, Newark, N. J. Bag-handle cap. No. 39,283; Apr. 28; Gaz. vol. 133; p. 2156.
- Higbee, O. J. W., Crafton, assignor to John B. Higbee Glass Company, Bridgeville, Pa. Glass vessel. No. 39,230; Mar. 31; Gaz. vol. 133; p. 1168.
- Hill, J. W., assignor to J. W. Dimick Company, New York, N. Y. Rug. Nos. 39,348-60; June 9; Gaz. vol. 134; pp. 1542-4.
- Hillbom, H., assignor to R. Wallace & Son's Mfg. Co., Wallingford, Conn. Spoon, fork, or similar article. No. 39,635; Oct. 27; Gaz. vol. 136; p. 1977.
- Hilo Gum Company. (See Davis, B. M., assignor.)
- Hinsberger, L., Brooklyn, N. Y. Glass vessel or similar article. No. 39,313; May 19; Gaz. vol. 134; p. 755.
- Hirschberg, S. G., New York, N. Y. Child's hat. No. 39,392; June 30; Gaz. vol. 134; p. 2227.
- Hiser, C. H., assignor to Springfield Metallic Casket Company, Springfield, Ohio. Pedestal for burial-caskets. Nos. 39,677-8; Dec. 1; Gaz. vol. 137; pp. 1217-18.
- Hoelscher, H. M., assignor to L. Wolff Manufacturing Company, Chicago, Ill. Valve-shell for stop-cocks. No. 39,551; Sept. 15; Gaz. vol. 136; p. 639.
- Hoffmann, J., Cincinnati, Ohio. Emblem or similar article. No. 39,634; Oct. 27; Gaz. vol. 136; p. 1977.
- Hogan, D. (See Meinecke and Hogan.)
- Hohner, H. (See Hohner, M., assignor.)
- Hohner, M., Trossingen, Germany, assignor to H. Hohner, New York, N. Y. Harmonica. No. 39,410; July 7; Gaz. vol. 135; p. 202.
- Holfelder, J. A., Uniontown, Pa., assignor to McCrum-Howell Company, Norwich, Conn. Wall-radiator section. No. 39,031; Jan. 21; Gaz. vol. 132; p. 665.
- Holtzclaw, J. B., Los Angeles, Cal. Pillar-seat. No. 39,265; Apr. 14; Gaz. vol. 133; p. 1655.
- Hopton, L. R., Plainfield, N. J., assignor to Enos Company, New York, N. Y. Light-shade. Nos. 39,661-2; Nov. 3; Gaz. vol. 137; p. 204.
- Hubbard, R. C., Los Angeles, Cal. Candy-box. No. 38,987; Jan. 7; Gaz. vol. 132; p. 209.
- Hubert, C., New York, N. Y. Cigar-lighter. No. 39,605; Oct. 6; Gaz. vol. 136; p. 1279.
- Hudson, M. A., Syracuse, N. Y. Badge. No. 39,600; Oct. 6; Gaz. vol. 136; p. 1278.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Hub-cap for motor-vehicles. No. 39,256; Apr. 7; Gaz. vol. 133; p. 1416.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Radiator-frame for motor-vehicles. No. 39,289; Apr. 28; Gaz. vol. 133; p. 2157.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle-body. No. 39,488; Sept. 1; Gaz. vol. 136; p. 204.
- Huff, R., assignor to Packard Motor Car Company, Detroit, Mich. Rear-axle casing. No. 39,629; Oct. 20; Gaz. vol. 136; p. 1749.
- Hunsicker, A., Weehawken, N. J., assignor to Standard Oil Cloth Co., New York, N. Y. Oil-cloth. Nos. 39,296-7; May 5; Gaz. vol. 134; p. 237.
- Hunt, R. H., Port Chester, N. Y. Emblem. Nos. 39,241-2; Apr. 7; Gaz. vol. 133; p. 1414.
- Hyatt, F. S., New York, N. Y. Cap for powder-containers. No. 39,590; Sept. 29; Gaz. vol. 136; p. 1047.
- Hydraulic Press Brick Company. (See McArdle, M. P., assignor.)
- Hymann, H., assignor to Eagle Pencil Company, New York, N. Y. Propelling-pencil. No. 39,560; Sept. 22; Gaz. vol. 136; p. 822.
- Ikonograph Company. (See Lagergren, J. E., assignor.)
- Inland Type Foundry. (See Schraubstadter, W. A., assignor.)
- International Silver Co. (See Chulee, J., assignor.)
- International Silver Co. (See Strohaker, G., assignor.)
- International Silver Company. (See Berry, G. H., assignor.)
- International Silver Company. (See Lashar, T. B., assignor.)
- Ittig, G. P., assignor to E. H. H. Smith Silver Co., Bridgeport, Conn. Handle for spoons, forks, or similar articles. No. 39,050; Feb. 4; Gaz. vol. 132; p. 1046.
- Ittig, G. P., assignor to E. H. H. Smith Silver Company, Bridgeport, Conn. Handle for spoons, forks, and similar articles. No. 39,397; July 7; Gaz. vol. 135; p. 199.
- Ittig, G. P., assignor to E. H. H. Smith Silver Co., Bridgeport, Conn. Handle of spoons, forks, or similar articles. No. 39,471; Sept. 1; Gaz. vol. 136; p. 201.
- J. B. Timberlake & Sons. (See Timberlake, J. B., assignor.)
- J. W. Dimick Company. (See Hill, J. W., assignor.)
- Jackson, A. C., assignor to Miller Lock Company, Philadelphia, Pa. Key-blank. No. 39,689; Dec. 15; Gaz. vol. 137; p. 1687.

Alphabetical list of patentees of designs—Continued.

- Jacobs, S. R., Alameda, Cal. Charm, pin, or similar article. Nos. 38,995-39,011; Jan. 14; Gaz. vol. 132; pp. 442-6.
- Jacobs, S. R., Alameda, Cal. Charm, pin, or similar article. Nos. 39,084-116; Feb. 11; Gaz. vol. 132; pp. 1287-95.
- Jacobs, S. R., Alameda, Cal. Spoon, fork, or similar article. No. 39,281; Apr. 28; Gaz. vol. 133; p. 2155.
- Jacobson, H., New York, N. Y. Textile fabric. Nos. 39,062-72; Feb. 4; Gaz. vol. 132; pp. 1048-9.
- Jacobson, H., Brooklyn, N. Y. Textile fabric. Nos. 39,239-40; Mar. 31; Gaz. vol. 133; p. 1170.
- Jameson, W. A., Niagara Falls, N. Y. Spoon or similar article. Nos. 39,012-15; Jan. 14; Gaz. vol. 132; pp. 446-7.
- Jameson, W. A., Niagara Falls, N. Y. Candle-holder. No. 39,645; Oct. 27; Gaz. vol. 136; p. 1979.
- Jameson, W. A., Niagara Falls, N. Y. Back of brushes, mirrors, or similar articles. No. 39,655; Nov. 3; Gaz. vol. 137; p. 203.
- Jandt, F., La Crosse, Wis. Picture-frame. No. 39,463; Aug. 25; Gaz. vol. 135; p. 1784.
- Jansen, B. H., Cleveland, Ohio. Faucet-handle. No. 39,269; Apr. 21; Gaz. vol. 133; p. 1915.
- Jenks, B. P., and F. R. Roberts, Jr., assignors to William B. Durgin Company, Concord, N. H. Spoon, fork, or similar article. No. 39,673; Dec. 1; Gaz. vol. 137; p. 1217.
- John B. Higbee Glass Company. (See Higbee, O. J. W., assignor.)
- Johns, E. B., *et al.* (See Zink, H., assignor.)
- Johnson, C. E., assignor to Corbin Cabinet Lock Company, New Britain, Conn. Key. No. 39,647; Oct. 27; Gaz. vol. 136; p. 1979.
- Johnson, J. E., Hayfield, Iowa. Badge. No. 39,336; June 9; Gaz. vol. 134; p. 1540.
- Johnson, L. H., Jr., assignor to Andrew B. Hendryx Co., New Haven, Conn. Bird-cage. No. 39,596; Sept. 29; Gaz. vol. 136; p. 1048.
- Johnson, S. Y., Chicago, Ill. Silk fabric. No. 39,148; Feb. 18; Gaz. vol. 132; p. 1564.
- Johnston, W. V., Thermopolis, Wyo. Poison-bottle. No. 39,362; June 16; Gaz. vol. 134; p. 1780.
- Johnstone, H. P., Glenridge, N. J., assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 39,060-1; Feb. 4; Gaz. vol. 132; p. 1048.
- Jones, C. W., Louisville, Ky. Bottle. No. 39,208; Mar. 17; Gaz. vol. 133; p. 739.
- Jones, H. L., Philadelphia, Pa. Wall-cage. No. 39,264; Apr. 14; Gaz. vol. 133; p. 1655.
- Jones, J. W., New York, N. Y. Speedometer-casing. No. 39,319; May 26; Gaz. vol. 134; p. 1027.
- Jones, S. A., Deshler, Ohio. Roofing-tile. No. 39,274; Apr. 21; Gaz. vol. 133; p. 1916.
- Joyce & Leppert. (See Leppert, C., assignor.)
- Julien, J. E., and E. Beaudoin, Leominster, Mass. Hat-holder pin. No. 39,137; Feb. 18; Gaz. vol. 132; p. 1562.
- Kafka, R., Hoboken, N. J., assignor to Firm of American Negligee Company, New York, N. Y. Textile fabric. No. 39,529; Sept. 8; Gaz. vol. 136; p. 418.
- Kaiser, F. A. C., Hoboken, N. J. Cigar-band. No. 39,261; Apr. 14; Gaz. vol. 133; p. 1634.
- Kaiser, J., Katalla, Alaska. Supporting-bracket. No. 39,572; Sept. 22; Gaz. vol. 136; p. 824.
- Kaiser, J. C., Kenton, Ohio. Vehicle-body. No. 39,266; Apr. 14; Gaz. vol. 133; p. 1655.
- Kalamazoo Stove Co. (See Thompson and Cope, assignors.)
- Katzinger, E., Chicago, Ill. Furnace. No. 39,333; June 2; Gaz. vol. 134; p. 1284.
- Kellman, J. L., Dyer, Ind. Stick-pin. No. 39,135; Feb. 18; Gaz. vol. 132; p. 1561.
- Keller, S. A., assignor to Shiman Miller Manufacturing Company, New York, N. Y. Locket. No. 39,280; Apr. 28; Gaz. vol. 133; p. 2155.
- Keller, S. A., New York, N. Y., assignor to W. H. Saart Company. Back for brushes, mirrors, or similar articles. No. 39,383; June 30; Gaz. vol. 134; p. 2225.
- Keller, S. A., New York, N. Y., assignor to Eastwood-Park Company, Newark, N. J. Hand-mirror or similar article. No. 39,656; Nov. 3; Gaz. vol. 137; p. 203.
- Kelly, J. W., Chicago, Ill. Closet-screen. No. 39,631; Oct. 20; Gaz. vol. 136; p. 1750.
- Kennedy, T. R., and E. J. King, assignors to Cooperative Foundry Company, Rochester, N. Y. Stove. Nos. 39,423-4; July 14; Gaz. vol. 135; p. 430.
- Keppeler, G., New York, N. Y., assignor to Western Clock Manufacturing Company, La Salle, Ill. Clock-stand and picture-frame. No. 39,642; Oct. 27; Gaz. vol. 136; p. 1979.
- Kilian, W., Cincinnati, Ohio. Metal dish. No. 39,052; Feb. 4; Gaz. vol. 132; p. 1047.
- Killian, L., Brooklyn, assignor to Palmer & Embury Mfg. Co., New York, N. Y. Chair. No. 39,390; June 30; Gaz. vol. 134; p. 2227.
- Kimball, L. A., New York, N. Y. Hacksaw-frame. No. 39,122; Feb. 11; Gaz. vol. 132; p. 1296.
- King, E. J. (See Kennedy and King.)
- Kip, F. E., Montclair, N. J. Pile fabric. No. 39,021-4; Jan. 14; Gaz. vol. 132; pp. 448-9.
- Kip, F. E., Montclair, N. J. Pile fabric. Nos. 39,073-4; Feb. 4; Gaz. vol. 132; p. 1049.
- Kip, F. E., Montclair, N. J. Pile fabric. No. 39,193; Mar. 10; Gaz. vol. 133; p. 496.
- Kirberg, J. E., assignor to Hensel-Colladay Company, Philadelphia, Pa. Neckwear fabric. No. 39,686; Dec. 8; Gaz. vol. 137; p. 1464.
- Kirk, F. L., assignor to Gorham Company, New York, N. Y. Bag. No. 39,267; Apr. 21; Gaz. vol. 133; p. 1915.
- Kleim, D. T., New York, N. Y. Button. No. 39,394; July 7; Gaz. vol. 135; p. 199.
- Kohlmeier, L. D., *et al.* (See Zink, H., assignor.)
- Kollmar, H., assignor to Burstow, Kollmar & Co., Newark, N. J. Head for fobs, brooches, pins, or similar articles. No. 39,259; Apr. 14; Gaz. vol. 133; p. 1654.
- Koneman, W. A., Milwaukee, Wis. Rubber heel. No. 39,027; Jan. 14; Gaz. vol. 132; p. 449.
- Koonz, F. W., Melrose, Mass. Brooch-pin. Nos. 39,337-8; June 9; Gaz. vol. 134; p. 1540.
- Kopel, O., New York, N. Y. Jug. No. 39,141; Feb. 18; Gaz. vol. 132; p. 1562.
- Krajeski, L., Chicago, Ill. Toy bank. No. 39,660; Nov. 3; Gaz. vol. 137; p. 204.
- Kramer, L., Carlstadt, N. J. Ruching. No. 39,379; June 23; Gaz. vol. 134; p. 2008.
- Krastin, P., assignor of one-half to J. C. Widman, Detroit, Mich. Lamp. No. 39,484; Sept. 1; Gaz. vol. 136; p. 204.
- Kruttchnitt, G. A., Newark, N. J. Box. No. 39,028; Jan. 14; Gaz. vol. 132; p. 449.
- Kruttchnitt, G. A., Newark, N. J. Box. No. 39,233; Mar. 31; Gaz. vol. 133; p. 1168.
- Kruttchnitt, G. A., Irvington, N. J. Box. No. 39,682; Dec. 8; Gaz. vol. 137; p. 1463.
- Kuno, R. (See Wolff, W. J., assignor.)
- Kursheed Manufacturing Company. (See Helbig, W., assignor.)
- Kwik, J. J., North Caldwell, N. J., assignor to Simons, Bro. & Co. Match-box. No. 39,199; Mar. 17; Gaz. vol. 133; p. 738.
- L. Wolf Manufacturing Company. (See Hoelscher, H. M., assignor.)
- Lagergren, J. E., assignor to Ikono-graph Company of America, New York, N. Y. Projecting-lantern. No. 39,446; Aug. 18; Gaz. vol. 135; p. 1567.
- Landis, F. F., Waynesboro, Pa. Pavement. No. 39,059; Feb. 4; Gaz. vol. 132; p. 1047.
- Langrock, J. H. (See Langrock, L. L. and J. H.)
- Langrock, L. L. and J. H., New York, N. Y. Pillow-cover. No. 39,162; Feb. 25; Gaz. vol. 132; p. 1811.
- Langstaff, L. G., New York, N. Y. Vessel for dispensing liquids. No. 39,232; Mar. 31; Gaz. vol. 133; p. 1168.
- Larson, J. A., Hayfield, Minn. Display-rack. No. 39,209; Mar. 17; Gaz. vol. 133; p. 740.
- Larsson, A., Stockholm, Sweden. Telephone-cabinet. No. 39,464; Aug. 25; Gaz. vol. 135; p. 1785.
- Lashar, T. B., Bridgeport, assignor to International Silver Company, Meriden, Conn. Handle for spoons, forks, and similar articles. No. 39,213; Mar. 24; Gaz. vol. 133; p. 971.
- Lederer, B. B., Providence, R. I., assignor to S. & B. Lederer Company. Locket. No. 39,245; Apr. 7; Gaz. vol. 133; p. 1414.
- Leiser, H., Houston, Tex. Ring. No. 39,444; Aug. 18; Gaz. vol. 135; p. 1566.
- Leppert, C., assignor to Joyce & Leppert, Johnstown, N. Y. Glove. No. 39,597; Sept. 29; Gaz. vol. 136; p. 1048.
- Leroy, B. M., New York, N. Y. Nose-guard for eyeglasses. No. 39,513; Sept. 8; Gaz. vol. 136; p. 415.
- Leroy Manufacturing Company. (See Deman, F., assignor.)
- Lester, H. W., Hartford, Conn. Automobile-horn. No. 39,320; May 26; Gaz. vol. 134; p. 1028.
- Lichtenberger, H. J., Washington, D. C. Scarf-pin or similar article. No. 39,396; July 7; Gaz. vol. 135; p. 199.
- Lightbody, F. J., assignor to Cambridge Novelty Company, Cambridge, Mass. Metal mesh fabric. No. 39,706; Dec. 22; Gaz. vol. 137; p. 1920.
- Lloyd, R. M., Oyster Bay, N. Y., assignor to General Vehicle Company. Vehicle-body. No. 39,018; Jan. 14; Gaz. vol. 132; p. 448.
- Loewenthal, S., Cleveland, Ohio. Bottle. No. 39,731; Dec. 29; Gaz. vol. 137; p. 2196.
- Lohrmann, E. H., Providence, R. I., assignor to Wightman & Hough Company. Locket. No. 39,246; Apr. 7; Gaz. vol. 133; p. 1415.
- Lord, F. W., New York, N. Y. Electrically-illuminated sign. No. 39,186; Mar. 10; Gaz. vol. 133; p. 495.
- Low, A. A., Horseshoe, N. Y. Implement-holder. No. 39,591; Sept. 29; Gaz. vol. 136; p. 1047.
- Low, A. A., Horseshoe, N. Y. Cabinet. No. 39,593; Sept. 29; Gaz. vol. 136; p. 1047.
- Lunt, G. C., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Handle for spoons, forks, or similar articles. No. 39,083; Jan. 28; Gaz. vol. 132; p. 823.
- Maag, M. V., Chicago, Ill. Lady's wire collar. Nos. 39,580-1; Sept. 22; Gaz. vol. 136; p. 825.
- Maddock & Miller. (See Pointon, J. W., assignor.)
- Maisch, G. H., assignor to Springfield Metallic Casket Company, Springfield, Ohio. Emblem. No. 39,197; Mar. 17; Gaz. vol. 133; p. 737.
- Malloch, A. M. (See Brogan and Malloch.)

Alphabetical list of patentees of designs—Continued.

- Malmquist, C. W., assignor to Simeon L. and George H. Rogers Co., Wallingford, Conn. Spoon, fork, or similar article. No. 39,415; July 14; Gaz. vol. 135; p. 428.
- Manley, T. R., Montclair, N. J., assignor to W. Openhym & Sons, New York, N. Y. Color-card. No. 39,262; Apr. 14; Gaz. vol. 133; p. 1654.
- Mann, F. E., Grand Rapids, Mich. Emblem. Nos. 39,195-6; Mar. 17; Gaz. vol. 133; p. 737.
- Mann, F. E., Grand Rapids, Mich. Belt-clasp. No. 39,299; May 12; Gaz. vol. 134; p. 495.
- Mann, F. E., Grand Rapids, Mich. Stick-pin. No. 39,300; May 12; Gaz. vol. 134; p. 495.
- Mann, F. E., Grand Rapids, Mich. Back comb. No. 39,301; May 12; Gaz. vol. 134; p. 495.
- Mann, F. E., Grand Rapids, Mich. Hat-pin. No. 39,302; May 12; Gaz. vol. 134; p. 495.
- Mann, F. E., Grand Rapids, Mich. Belt-shield. No. 39,303; May 12; Gaz. vol. 134; p. 496.
- Mann, F. E., Grand Rapids, Mich. Belt-buckle. No. 39,310; May 19; Gaz. vol. 134; p. 754.
- Manning, Bowman & Company. (See Savage and Gutermann, assignors.)
- Marcuse, M. M., New York, N. Y. Box. No. 39,142; Feb. 18; Gaz. vol. 132; p. 1563.
- Marshall, A. E., New York, N. Y. Frame for moving pictures. No. 39,030; Jan. 21; Gaz. vol. 132; p. 665.
- Martin Manufacturing Company. (See Wingert, R. S., assignor.)
- Martz, J. B., Williamstown, Pa. Ventilating-cap. No. 39,321; May 26; Gaz. vol. 134; p. 1028.
- Massard, C. P., St. Joseph, Mo. Street-lamp. No. 39,345; June 9; Gaz. vol. 134; p. 1541.
- Mattes, M., New York, N. Y. Cap. No. 39,202; Mar. 17; Gaz. vol. 133; p. 738.
- Maxim, H. P., Hartford, Conn. Vehicle-body. No. 39,041; Jan. 28; Gaz. vol. 132; p. 824.
- Mayer, J., Seattle, Wash. Handle of spoons or similar articles. Nos. 39,636-7; Oct. 27; Gaz. vol. 136; p. 1977.
- McArdle, M. P., assignor to Hydraulic Press Brick Company, St. Louis, Mo. Window-sill. No. 39,205; Mar. 17; Gaz. vol. 133; p. 739.
- McClung, E., assignor of one-half to C. M. Ernst, Clarksburg, W. Va. Chimney-top. No. 39,621; Oct. 13; Gaz. vol. 136; p. 1506.
- McCoy, E., assignor to J. A. Pfeifer, Detroit, Mich. Eraser. No. 39,542; Sept. 15; Gaz. vol. 136; p. 638.
- McCrum-Howell Company. (See Holfelder, J. A., assignor.)
- McDonald, C. A., San Francisco, Cal. Necklace. No. 39,136; Feb. 18; Gaz. vol. 132; p. 1562.
- McIntyre, F., assignor to Eagle Pencil Company, New York, N. Y. Display box for penholders and pencils. No. 39,437; Aug. 4; Gaz. vol. 135; p. 1106.
- McIntyre, W. H., Auburn, Ind. Vehicle-seat. No. 39,594; Sept. 29; Gaz. vol. 136; p. 1047.
- McKeen, W. R., Jr., Omaha, Nebr., assignor to E. H. Harriman, Arden, N. J. Car-body. No. 39,032; Jan. 21; Gaz. vol. 132; p. 665.
- McKenna, T. F., Leominster, Mass. Puff-retaining comb. No. 39,501; Sept. 8; Gaz. vol. 136; p. 413.
- McLaughlin, C. N., assignor to New Winona Manufacturing Company, Winona, Minn. Grinding-mill standard. No. 39,627; Oct. 20; Gaz. vol. 136; p. 1749.
- Mead, C. L., Rahway, N. J., assignor to Dennison Manufacturing Co., Boston, Mass. Decorative paper. No. 39,295; May 5; Gaz. vol. 134; p. 237.
- Mead, J., Milwaukee, Wis. Neck-scarf. No. 39,347; June 9; Gaz. vol. 134; p. 1542.
- Mead, J. S., Milwaukee, Wis. Neck and chest protector. Nos. 39,610-12; Oct. 6; Gaz. vol. 136; pp. 1279-80.
- Mead, J. S., Milwaukee, Wis. Neck and chest protector. Nos. 39,732-3; Dec. 29; Gaz. vol. 137; pp. 2196-7.
- Meinecke, C. W., Jersey City, N. J., assignor to Whitall Tatum Company, New York, N. Y. Atomizer. No. 39,054; Feb. 4; Gaz. vol. 132; p. 1047.
- Meinecke, C. W., Jersey City, and D. Hogan, Hoboken, N. J. Bed-pan. No. 39,236; Mar. 31; Gaz. vol. 133; p. 1169.
- Mell, T. J., assignor to Republic Rubber Company, Youngstown, Ohio. Wheel-tire. No. 39,575; Sept. 22; Gaz. vol. 136; p. 825.
- Merriman, A. C. (See Newton and Merriman.)
- Merzbach, L., New York, N. Y. Hand-bag. Nos. 39,618-19; Oct. 13; Gaz. vol. 136; p. 1505.
- Metzeler, T., New York, N. Y. Badge. No. 39,456; Aug. 25; Gaz. vol. 135; p. 1783.
- Michel, J. W., Binghamton, N. Y. Cigar. No. 39,438; Aug. 4; Gaz. vol. 135; p. 1107.
- Michigan Chair Company. (See Nash, C. O., assignor.)
- Miller, E., Oklahoma, Okla. Head of hotel-register stands. No. 39,549; Sept. 15; Gaz. vol. 136; p. 639.
- Miller, F. A., Riverside, Cal. Emblem. No. 39,155; Feb. 25; Gaz. vol. 132; p. 1809.
- Miller Lock Company. (See Jackson, A. C., assignor.)
- Mitchell, S., assignor to L. Fritzsche & Co., Newark, N. J. Bracelet. Nos. 39,035-7; Jan. 28; Gaz. vol. 132; p. 823.
- Monier, F. C., assignor to North and Judd Manufacturing Company, New Britain, Conn. Bridle-bit. No. 39,664; Nov. 3; Gaz. vol. 137; p. 205.
- Montague, C. D., New York, N. Y., assignor to Motor Rolling Chair Company. Rolling-chair body. No. 39,547; Sept. 15; Gaz. vol. 136; p. 639.
- Moser, W. M., Philadelphia, Pa. Open-work curtain. No. 39,496; Sept. 1; Gaz. vol. 136; p. 206.
- Motor Rolling Chair Company. (See Montague, C. D., assignor.)
- Mouton, P., Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 39,128-32; Feb. 11; Gaz. vol. 132; pp. 1297-8.
- Mullaly, J. P., Indianapolis, Ind. Badge. No. 39,613; Oct. 13; Gaz. vol. 136; p. 1504.
- Mullen, A. A., New York, N. Y. Skeleton paving-brick. No. 39,654; Oct. 27; Gaz. vol. 136; p. 1981.
- Murine Eye Remedy Company. (See Hall, O. F., assignor.)
- Murphy, P., Brooklyn, N. Y. Altar or shrine. No. 39,211; Mar. 17; Gaz. vol. 133; p. 740.
- Murr, R., Chicago, Ill. Glass bowl. No. 39,118; Feb. 11; Gaz. vol. 132; p. 1295.
- Murray, T. E., New York, N. Y. Box. No. 39,253; Apr. 7; Gaz. vol. 133; p. 1416.
- Murray, T. E., New York, N. Y. Electric-cut-out holder. No. 39,435; July 28; Gaz. vol. 135; p. 877.
- Murray, T. E., New York, N. Y. Electric-fuse case. Nos. 39,735-6; Dec. 29; Gaz. vol. 137; p. 2197.
- Musselman, A. J., Chicago, Ill. Coaster-brake hub. No. 39,692; Dec. 15; Gaz. vol. 137; p. 1687.
- Nash, C. O., assignor to Michigan Chair Company, Grand Rapids, Mich. Fob. No. 39,361; June 16; Gaz. vol. 134; p. 1780.
- National Casket Co. (See Wetmore, C. F., assignor.)
- National Penny Sales Company. (See Hagen and Townsend, assignors.)
- Neidl, W. J., New Britain, Conn. Hinge-butt. No. 39,124; Feb. 11; Gaz. vol. 132; p. 1296.
- Nelson, C. (See Sternau and Nelson.)
- Nelson, C. (See Strassburger and Nelson.)
- Nelson, C., Brooklyn, assignor to S. Sternau & Company, New York, N. Y. Chafing-dish and stand. No. 39,229; Mar. 31; Gaz. vol. 133; p. 1168.
- Nelson, C., Brooklyn, and W. G. Barker, assignors to S. Sternau & Company, New York, N. Y. Towel-pin. No. 39,408; July 7; Gaz. vol. 135; p. 201.
- Nelson, C., Brooklyn, assignor to S. Sternau & Company, New York, N. Y. Ash-receiver and stand. No. 39,482; Sept. 1; Gaz. vol. 136; p. 203.
- New Winona Manufacturing Company. (See McLaughlin, C. N., assignor.)
- Newton, A. E., Leominster, Mass. Barrette. No. 39,416; July 14; Gaz. vol. 135; p. 428.
- Newton, A. E., and A. C. Merriman, Leominster, Mass. Back comb. Nos. 39,674-5; Dec. 1; Gaz. vol. 137; p. 1217.
- Nichols, F. C., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Pistol-handle. No. 39,284; Apr. 28; Gaz. vol. 133; p. 2156.
- North and Judd Manufacturing Company. (See Monier, F. C., assignor.)
- Numan, C. H., New York, N. Y. Inkstand. No. 39,268; Apr. 21; Gaz. vol. 133; p. 1915.
- Obeart Nester Glass Company. (See Bagby, D. W., assignor.)
- Oliver, I., New York, N. Y. Glove. No. 39,685; Dec. 8; Gaz. vol. 137; p. 1464.
- Onondaga Pottery Company. (See Walter, E. E., assignor.)
- Openhym & Sons, W. (See Manley, T. R., assignor.)
- Ording, F. W., Jersey City Heights, N. J., assignor to Perley & Brother. Brooch. No. 39,602; Oct. 6; Gaz. vol. 136; p. 1278.
- Ostrowsky, F., New York, N. Y. Slipper. No. 39,412; July 7; Gaz. vol. 135; p. 202.
- Ouerbacker, J. P., Louisville, Ky. Heating-stove. No. 39,389; June 30; Gaz. vol. 134; p. 2226.
- Overshire, E. A., Los Angeles, Cal. Information and directory cabinet. No. 39,649; Oct. 27; Gaz. vol. 136; p. 1980.
- Pacific Novelty Company. (See Doyle, B. W., assignor.)
- Packard Motor Car Company. (See Estep, E. R., assignor.)
- Packard Motor Car Company. (See Huff, R., assignor.)
- Packard Motor Car Company. (See Waldon, S. D., assignor.)
- Palmer & Embury Mfg. Co. (See Killian, L., assignor.)
- Palmer, I. E., Middletown, Conn. Hammock. No. 39,161; Feb. 25; Gaz. vol. 132; p. 1811.
- Papke, W. C. F., Cincinnati, Ohio. Printer's rule-corner. No. 39,562; Sept. 22; Gaz. vol. 136; p. 822.
- Parautaud, A., New York, N. Y. Covered dish. No. 39,305; May 12; Gaz. vol. 134; p. 496.
- Parks, A. M., Philadelphia, Pa. Campaign-badge. No. 39,540; Sept. 15; Gaz. vol. 136; p. 637.

Alphabetical list of patentees of designs—Continued.

- Patton, G. E., Monmouth, Ill. Pottery jar. No. 39,206; Mar. 17; Gaz. vol. 133; p. 739.
 Pearl, E., Passaic, N. J. Pencil-case. No. 39,559; Sept. 22; Gaz. vol. 136; p. 822.
 Pearson, C. F., Portland, Oreg. Campaign-button. No. 39,165; Mar. 3; Gaz. vol. 133; p. 208.
 Pearson, J. J., London, England. Billiard-table. No. 39,173; Mar. 3; Gaz. vol. 133; p. 209.
 Peck, C. D., Chicago, Ill. Medal or badge. No. 39,329; June 2; Gaz. vol. 134; p. 1283.
 Peerless Motor Car Company. (See Schmidt, C., assignor.)
 Pennington, L. W., Reading, Pa. Badge or similar article. No. 39,552; Sept. 22; Gaz. vol. 136; p. 821.
 Perkins, W. H., Cheshire, assignor to Waterbury Manufacturing Co., Waterbury, Conn. Spoon, fork, or similar article. No. 39,343; June 9; Gaz. vol. 134; p. 1541.
 Perley & Brother. (See Ording, F. W., assignor.)
 Perley & Brother. (See Perley, H. C., assignor.)
 Perley, H. C., New Rochelle, N. Y., assignor to Perley & Brother. Brooch. No. 39,601; Oct. 6; Gaz. vol. 136; p. 1278.
 Perry, I. G., and F. F. Fulcher, Great Barrington, Mass. Handle for spoons, forks, or similar articles. No. 39,398; July 7; Gaz. vol. 135; p. 200.
 Perry, L. D., New York, N. Y. Piano-case. Nos. 39,713-14; Dec. 22; Gaz. vol. 137; pp. 1921-2.
 Perry, W. A., assignor to M. J. Whittall, Worcester, Mass. Rug. No. 39,221; Mar. 24; Gaz. vol. 133; p. 972.
 Persic, F., assignor of one-half to J. Tomsich, Minonk, Ill. Badge. No. 39,194; Mar. 17; Gaz. vol. 133; p. 737.
 Petzold, A., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 39,045-6; Jan. 28; Gaz. vol. 132; pp. 824-5.
 Petzold, A., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 39,075-83; Feb. 4; Gaz. vol. 132; pp. 1050-1.
 Petzold, A., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. No. 39,391; June 30; Gaz. vol. 134; p. 2227.
 Petzold, A., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 39,537-9; Sept. 8; Gaz. vol. 136; p. 420.
 Pfeiffer, J. A. (See McCoy, E., assignor.)
 Phelps, J. W., assignor to Solar Electric Company, Chicago, Ill. Electric-lamp globe. No. 39,323; May 26; Gaz. vol. 134; p. 1028.
 Phoenix Glass Company. (See Wehr, G. F., assignor.)
 Pickup, G. E., Newark, Ohio. Agricultural boiler. No. 38,991; Jan. 7; Gaz. vol. 132; p. 210.
 Pickup, G. E., assignor to Wehrle Company, Newark, Ohio. Stove. No. 39,331-2; June 2; Gaz. vol. 134; p. 1283.
 Pinkerton-Gardiner, A. L., Los Angeles, Cal. Incubator. No. 39,212; Mar. 17; Gaz. vol. 133; p. 740.
 Pinkham, A. G. (See Whellams and Pinkham.)
 Pioneer Suspender Company. (See Schoettle, F., assignor.)
 Plunkett, D. B., New York, N. Y. Front member for racks or drawers. No. 39,570; Sept. 22; Gaz. vol. 136; p. 824.
 Pointon, J. W., Burslem, England, assignor to Maddock & Miller, New York, N. Y. Plate or similar article. No. 39,214; Mar. 24; Gaz. vol. 133; p. 971.
 Pope Manufacturing Company. (See Gilbert, F. C., assignor.)
 Pospisil, E. J., New York, N. Y. Campaign emblem. No. 39,586; Sept. 29; Gaz. vol. 136; p. 1046.
 Powers, C. F., Coosada, Ala. Casing for soda-water fountains. No. 39,606; Oct. 6; Gaz. vol. 136; p. 1279.
 Powers, D. (See Powers, H. C., assignor.)
 Powers, H. C., assignor to D. Powers, New York, N. Y. Bottle. No. 39,371; June 23; Gaz. vol. 134; p. 2007.
 Pretz, F., Kansas City, Mo. Image. No. 39,603; Oct. 6; Gaz. vol. 136; p. 1278.
 Probst, F. J., New York, N. Y. Bottle. No. 39,385; June 30; Gaz. vol. 134; p. 2225.
 Prugh, M., Los Angeles, Cal. Christmas bag or pack. No. 39,516; Sept. 8; Gaz. vol. 136; p. 416.
 Purdy, M. E., Ridgefield Park, N. J. Lady's hat-fastener. No. 39,589; Sept. 29; Gaz. vol. 136; p. 1046.
 Queen City Silver Co. (See Zinser, P. R., assignor.)
 R. Wallace & Sons Manufacturing Co. (See Bennett, C. A., assignor.)
 R. Wallace & Son's Mfg. Co. (See Hillbom, H., assignor.)
 Rademacher, H. J., Milwaukee, Wis. Casket. No. 39,042; Jan. 28; Gaz. vol. 132; p. 824.
 Ragland, T. E., Atlanta, Ga. Barrel-cover. No. 39,058; Feb. 4; Gaz. vol. 132; p. 1047.
 Rathbone, Sard & Company. (See Van Buren, J. S., assignor.)
 Rector, A., assignor to Rector Gas Lamp Company, New York, N. Y. Gas-lamp. No. 39,184; Mar. 10; Gaz. vol. 133; p. 495.
 Rector, A., assignor to Rector Gas Lamp Company, New York, N. Y. Gas-lamp. Nos. 39,386-8; June 30; Gaz. vol. 134; p. 2226.
 Rector, A., assignor to Rector Gas Lamp Company, New York, N. Y. Gas-lamp. No. 39,406; July 7; Gaz. vol. 135; p. 201.
 Rector Gas Lamp Company. (See Rector, A., assignor.)
 Regal Shoe Company. (See Bliss, E. J., assignor.)
 Reisman, N., assignor to H. Black and Company, Cleveland, Ohio. Woman's coat. Nos. 39,043-4; Jan. 28; Gaz. vol. 132; p. 824.
 Republic Rubber Company. (See Mell, T. J., assignor.)
 Reynolds, S. W., West Toledo, Ohio. Harness ornament. No. 39,055; Feb. 4; Gaz. vol. 132; p. 1047.
 Rice, L. W., New York, N. Y. Lamp-shade. No. 39,373; June 23; Gaz. vol. 134; p. 2007.
 Richards, D. E., Hamilton, Ontario, Canada. Glove. No. 39,609; Oct. 6; Gaz. vol. 136; p. 1279.
 Richardson, H. A., Steelton, Pa. Display-stand and hanger. No. 39,172; Mar. 3; Gaz. vol. 133; p. 209.
 Richmond Brothers Company. (See Fritzsche, L., assignor.)
 Riker, S. M., Maplewood, N. J. Belt. Nos. 39,582-3; Sept. 22; Gaz. vol. 136; p. 826.
 Robbins, M. L., New York, N. Y. Finger-ring or similar article. No. 39,247; Apr. 7; Gaz. vol. 133; p. 1415.
 Roberts, F. R., Jr. (See Jenks and Roberts.)
 Robinson, T. C., Appleton, Wis., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. No. 39,029; Jan. 21; Gaz. vol. 132; p. 665.
 Robinson, T. C., Appleton, Wis., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. Nos. 39,275-7; Apr. 21; Gaz. vol. 133; p. 1916.
 Robinson, T. C., Appleton, Wis., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. Nos. 39,466-7; Aug. 25; Gaz. vol. 135; p. 1785.
 Rochester Stamping Co. (See Swan, A. H. S., assignor.)
 Roelofs, H. H., Elkins Park, Pa. Soft felt hat. No. 39,680; Dec. 1; Gaz. vol. 137; p. 1218.
 Rogers, Lunt & Bowlen Company. (See Lunt, G. C., assignor.)
 Rosenbluth, E. M., Philadelphia, Pa. Acetylene-gas-generator body. No. 39,255; Apr. 7; Gaz. vol. 133; p. 1416.
 Rossi, J. M., New York, N. Y. Brooch or similar article. No. 39,034; Jan. 28; Gaz. vol. 132; p. 823.
 Rothermund, W. F., New York, N. Y. Cup. No. 39,556; Sept. 22; Gaz. vol. 136; p. 822.
 Rothschild, M. (See Wolff, W. J., assignor.)
 Royal Metal Manufacturing Company. (See Salomon, J., assignor.)
 Rubes, L., Brooklyn, N. Y. Automobile-horn. No. 39,485; Sept. 1; Gaz. vol. 136; p. 204.
 Rubes, L., Brooklyn, N. Y. Motorcycle-horn. No. 39,486; Sept. 1; Gaz. vol. 136; p. 204.
 Rudolphi, F., Chicago, Ill., assignor to American Can Company, New York, N. Y. Sheet-metal display-can. No. 39,120; Feb. 11; Gaz. vol. 132; p. 1296.
 Ryan, L. F., New York, N. Y. Toy cat used in playing the game of tip-cat. No. 39,604; Oct. 6; Gaz. vol. 136; p. 1278.
 Ryan, W. D., and G. H. Stickney, Lynn, Mass., assignors to General Electric Company. Electric-arc-lamp globe. No. 39,143; Feb. 18; Gaz. vol. 132; p. 1563.
 S. Sternau & Company. (See Nelson, C., assignor.)
 S. & B. Lederer Company. (See Lederer, B. B., assignor.)
 Sabin, J., Coeur d'Alene, Idaho. Badge. No. 39,584; Sept. 29; Gaz. vol. 136; p. 1046.
 Sally, W. J., Oakland, Miss. Desk. No. 39,543; Sept. 15; Gaz. vol. 136; p. 638.
 Salomon, J., assignor to Royal Metal Manufacturing Company, Chicago, Ill. Side standard of opera-chairs. Nos. 39,711-12; Dec. 22; Gaz. vol. 137; p. 1921.
 Samson, S., Chicago, Ill. Sign. Nos. 39,709-10; Dec. 22; Gaz. vol. 137; p. 1921.
 Savage, G. E., and E. A. Gutermann, assignors to Manning, Bowman & Company, Meriden, Conn. Vapor-stove. No. 39,574; Sept. 22; Gaz. vol. 136; p. 825.
 Savage, L. T., New York, N. Y. Match-box support. No. 39,434; July 28; Gaz. vol. 135; p. 877.
 Saxon, H., New York, N. Y. Lamp. No. 39,234; Mar. 31; Gaz. vol. 133; p. 1169.
 Saxon, H., New York, N. Y. Casing of automobile-lamps. No. 39,734; Dec. 29; Gaz. vol. 137; p. 2197.
 Schedell, C., Philadelphia, Pa. Sticky fly-plate. No. 39,263; Apr. 14; Gaz. vol. 133; p. 1654.
 Schenck, E. G. H., Orange, N. Y. Cut stone. No. 39,632; Oct. 27; Gaz. vol. 136; p. 1976.
 Schicklering, A., New York, N. Y. Emblem. Nos. 39,724-5; Dec. 29; Gaz. vol. 137; p. 2195.
 Schilling, P., New York, assignor to Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glass shade or globe. No. 39,181; Mar. 10; Gaz. vol. 133; p. 495.
 Schmidt, C., assignor to Peerless Motor Car Company, Cleveland, Ohio. Automobile-radiator. No. 39,187; Mar. 10; Gaz. vol. 133; p. 496.
 Schmidt, C., assignor to Peerless Motor Car Company, Cleveland, Ohio. Automobile-body. No. 39,219; Mar. 24; Gaz. vol. 133; p. 972.

Alphabetical list of patentees of designs—Continued.

- Schneidesch, P., Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 39,126-7; Feb. 11; Gaz. vol. 132; pp. 1296-7.
- Schoettle, F., Germantown, Pa., assignor to Pioneer Suspender Company. Box. No. 39,344; June 9; Gaz. vol. 134; p. 1541.
- Schofield, P. W., Marion, Ind., assignor to Standard Glass Company. Bottle. No. 39,479; Sept. 1; Gaz. vol. 136; p. 203.
- Schramm, A. F., Camden, N. J., assignor to Brenker and Kessler Company, Philadelphia, Pa. Box-covering paper. No. 39,426; July 14; Gaz. vol. 135; p. 431.
- Schraubstadter, W. A., St. Louis, Mo. Font of type. No. 39,411; July 7; Gaz. vol. 135; p. 202.
- Schraubstadter, W. A., assignor to Inland Type Foundry, St. Louis, Mo. Font of type. No. 39,125; Feb. 11; Gaz. vol. 132; p. 1296.
- Scullin, I. F., Wasceca, Minn. Bead ring. No. 39,049; Feb. 4; Gaz. vol. 132; p. 1046.
- Seib Bros. (See Seib, S. H. M., assignor.)
- Seib, S. H. M., assignor to Seib Bros., Jersey City, N. J. Mustard-spoon. No. 39,250; Apr. 7; Gaz. vol. 133; p. 1415.
- Shelton, J. F., Fort Worth, Tex. Post for fences. No. 39,273; Apr. 21; Gaz. vol. 133; p. 1916.
- Sherman, W. S., Milwaukee, Wis. Automobile-hood. No. 39,628; Oct. 20; Gaz. vol. 136; p. 1749.
- Shiman Miller Manufacturing Company. (See Keller, S. A., assignor.)
- Simeon L. and George H. Rogers Co. (See Malmquist, C. W., assignor.)
- Simmons, W. H., New York, N. Y. Thread-holder and pincushion. No. 39,515; Sept. 8; Gaz. vol. 136; p. 415.
- Simons, Bro. & Co. (See Kwik, J. J., assignor.)
- Singer, M. A., New York, N. Y. Portable band-stand booth. No. 39,518; Sept. 8; Gaz. vol. 136; p. 416.
- Singer, M. A., New York, N. Y. Portable exhibition-booth. Nos. 39,519-26; Sept. 8; Gaz. vol. 136; pp. 416-18.
- Sins, E., Paris, France, assignor to Cheney Brothers. Textile fabric. Nos. 39,223-6; Mar. 24; Gaz. vol. 133; p. 973.
- Smead, C. R., Hastings, Minn. Pen-box, desk-tray, and paper-weight. No. 39,729; Dec. 29; Gaz. vol. 137; p. 2196.
- Smith, H. A., Oakland, Cal. Electrolier. No. 39,121; Feb. 11; Gaz. vol. 132; p. 1296.
- Snyder, E., Cleveland, Ohio. Motor-fan casing. No. 39,419; July 14; Gaz. vol. 135; p. 429.
- Société Maurice Frings et Cie. (See Frings, M. L., assignor.)
- Solar Electric Company. (See Phelps, J. W., assignor.)
- Southard, A. W., New York, N. Y. Badge or similar article. No. 39,585; Sept. 29; Gaz. vol. 136; p. 1046.
- Spadone, A. A., assignor to Gutta Percha & Rubber Manufacturing Company, New York, N. Y. Tiling. No. 39,019; Jan. 14; Gaz. vol. 132; p. 448.
- Springfield Metallic Casket Company. (See Hiser, C. H., assignor.)
- Springfield Metallic Casket Company. (See Maisch, G. H., assignor.)
- Staderman, J. P., Buffalo, N. Y. Picture-frame. No. 39,372; June 23; Gaz. vol. 134; p. 2007.
- Standard Glass Company. (See Schofield, P. W., assignor.)
- Standard Oil Cloth Co. (See Hunsicker, A., assignor.)
- Stanley Works. (See Brandt, O. E., assignor.)
- Stanton, H. L., and J. M. Love, Los Angeles, Cal. Photographic mount. No. 39,145; Feb. 18; Gaz. vol. 132; p. 1563.
- Ste. Marie, O., Jersey City, N. J. Lamp. No. 39,375; June 23; Gaz. vol. 134; p. 2007.
- Steffiny, A., New Bedford, Mass. Glass vessel. No. 39,643; Oct. 27; Gaz. vol. 136; p. 1979.
- Steiger, H. W., Lakewood, assignor of one-half to H. M. Steiger, Cleveland, Ohio. Font of printing-type. No. 39,146; Feb. 18; Gaz. vol. 132; p. 1563.
- Steiger, H. M. (See Steiger, H. W., assignor.)
- Stember, J., New York, N. Y. Hand-bag. No. 39,314; May 19; Gaz. vol. 134; p. 755.
- Sternau & Company, S. (See Nelson and Barker, assignors.)
- Sternau & Company, S. (See Sternau and Nelson, assignors.)
- Sternau & Company, S. (See Strassburger and Nelson, assignors.)
- Sternau, S., New York, and C. Nelson, Brooklyn, assignors to S. Sternau & Company, New York, N. Y. Tea-kettle stand and lamp. No. 39,119; Feb. 11; Gaz. vol. 132; p. 1295.
- Sterrick, H. D., Pittsburg, Pa. Combined picture glass and frame. No. 39,665; Nov. 10; Gaz. vol. 137; p. 454.
- Stewart, A., Philadelphia, Pa. Vending-machine casing. No. 39,487; Sept. 1; Gaz. vol. 136; p. 204.
- Stickney, G. H. (See Ryan and Stickney.)
- Stockstrom, L., assignor to American Stove Company, St. Louis, Mo. Baking and warming oven. No. 39,235; Mar. 31; Gaz. vol. 133; p. 1169.
- Stokes, R. J., Curwensville, Pa. Watch-fob. No. 39,414; July 14; Gaz. vol. 135; p. 428.
- Stokes, R. J., Curwensville, Pa. Watch-fob. No. 39,428; July 21; Gaz. vol. 135; p. 650.
- Stone, A. C., Providence, R. I. Brooch, button, or buckle plate. No. 39,243-4; Apr. 7; Gaz. vol. 133; p. 1414.
- Stone, S. D., Cincinnati, Ohio. Parlor-game device. No. 39,443; Aug. 11; Gaz. vol. 135; p. 1346.
- Stover, E. C., assignor to Trenton Potteries Company, Trenton, N. J. Pedestal for lavatories. No. 39,288; Apr. 28; Gaz. vol. 133; p. 2156.
- Straker, H. J., North Attleboro, Mass., assignor to W. H. Saart Company. Back for brushes, mirrors, or similar articles. No. 39,384; June 30; Gaz. vol. 134; p. 2225.
- Straker, J. E., Jr., Attleboro, Mass. Handle for spoons, forks, or similar articles. No. 39,282; Apr. 28; Gaz. vol. 133; p. 2155.
- Straker, J. E., Jr., Attleboro, Mass. Handle of spoons or similar articles. No. 39,472; Sept. 1; Gaz. vol. 136; p. 201.
- Straker, J. E., Jr., Attleboro, Mass. Border for silverware. No. 39,588; Sept. 29; Gaz. vol. 136; p. 1046.
- Strassburger, L., and C. Nelson, Brooklyn, assignors to S. Sternau & Company, New York, N. Y. Chafing-dish and stand. No. 39,695; Dec. 22; Gaz. vol. 137; p. 1918.
- Stratton, E. F., New York, N. Y. Casing for shoe-polishing machines. No. 39,571; Sept. 22; Gaz. vol. 136; p. 824.
- Strohaker, G., Wallingford, assignor to International Silver Co., Meriden, Conn. Handle for spoons, forks, or similar articles. No. 39,370; June 23; Gaz. vol. 134; p. 2006.
- Strohaker, G., Wallingford, assignor to International Silver Co., Meriden, Conn. Knife, spoon, or similar article. No. 39,624; Oct. 20; Gaz. vol. 136; p. 1748.
- Sundee, J. R., assignor to Empire Jewelry Case Company, Buffalo, N. Y. Jewelry-case. No. 39,311; May 19; Gaz. vol. 134; p. 755.
- Swan, A. H. S., assignor to Rochester Stamping Co., Rochester, N. Y. Chafing-dish. No. 39,694; Dec. 22; Gaz. vol. 137; p. 1918.
- Swan, A. H. S., assignor to Rochester Stamping Co., Rochester, N. Y. Chafing-dish stand. Nos. 39,696-7; Dec. 22; Gaz. vol. 137; p. 1918.
- Swift, A. L., Chicago, Ill. Lamp-pedestal. No. 39,676; Dec. 1; Gaz. vol. 137; p. 1217.
- Taylor, D., Sharpsburg, assignor to H. J. Heinz Company, Pittsburg, Pa. Bottle. No. 39,625; Oct. 20; Gaz. vol. 136; p. 1748.
- Taylor, T. P., Bridgeport, Conn. Neck-ruff form. No. 39,716; Dec. 22; Gaz. vol. 137; p. 1922.
- Terrell, P., Montclair, N. J., assignor to Columbia Trust Company, New York, N. Y. Font of type. No. 39,238; Mar. 31; Gaz. vol. 133; p. 1169.
- Thiesen, G. C., Bayonne, N. J. Dish or similar article. Nos. 38,981-4; Jan. 7; Gaz. vol. 132; p. 208.
- Thiesen, G. C., Bayonne, N. J. Pitcher or similar article. No. 38,985; Jan. 7; Gaz. vol. 132; p. 209.
- Thoma, A. L., Piqua, Ohio. Badge. No. 39,499; Sept. 8; Gaz. vol. 136; p. 413.
- Thomas, J. W., Allentown, Pa. Cluster-electrolier. No. 39,286; Apr. 28; Gaz. vol. 133; p. 2156.
- Thomasma, H., and A. H. Blanchard, Grand Rapids, Mich. Combined handle and robe-holder for vehicles. No. 39,171; Mar. 3; Gaz. vol. 133; p. 209.
- Thompson, B., New York, N. Y. Badge. No. 39,614; Oct. 13; Gaz. vol. 136; p. 1505.
- Thompson, G., Toronto, Ontario, Canada. Photograph or picture holder. No. 39,252; Apr. 7; Gaz. vol. 133; p. 1415.
- Thompson, W., Kalamazoo, and G. W. Cope, Detroit, assignors to Kalamazoo Stove Co., Kalamazoo, Mich. Heating-stove. No. 38,990; Jan. 7; Gaz. vol. 132; p. 209.
- Timberlake, J. B., assignor to J. B. Timberlake & Sons, Jackson, Mich. Easel. No. 39,318; May 26; Gaz. vol. 134; p. 1027.
- Tomsich, J. (See Persic, F., assignor.)
- Townsend, G. B. (See Hagen and Townsend.)
- Trenton Potteries Company. (See Stover, E. C., assignor.)
- Turney, D. T., assignor to Anchor Stove & Range Co., New Albany, Ind. Stove. No. 39,653; Oct. 27; Gaz. vol. 136; p. 1981.
- Tweedie, C., Jefferson, Mo. Shoe-lace. No. 38,993; Jan. 7; Gaz. vol. 132; p. 210.
- Type Founders Company. (See Benton, M. F., assignor.)
- United States Radiator Company. (See Field, J. A., assignor.)
- Valentine, H. J., San Francisco, Cal., assignor to Columbian Hardware Company, Cleveland, Ohio. Face-plate for registers. No. 39,663; Nov. 3; Gaz. vol. 137; p. 205.
- Van Alstine, R., Winter, Wis. Badge. No. 39,500; Sept. 8; Gaz. vol. 136; p. 413.
- Van Buren, J. S., assignor to Rathbone, Sard & Company, Albany, N. Y. Cooking-stove. Nos. 39,651-2; Oct. 27; Gaz. vol. 136; p. 1981.
- Van Patten, L., Holland, Mich. Lap lunch-board. No. 39,490; Sept. 1; Gaz. vol. 136; p. 205.
- Van Vleet, H. N., Alva, Okla. Kindergarten-table. No. 39,607; Oct. 6; Gaz. vol. 136; p. 1279.
- Van Wye, G. B., New York, N. Y. Rottle. No. 39,480; Sept. 1; Gaz. vol. 136; p. 203.
- Verbeck, F. S., Chicago, Ill. Lamp-shade. No. 39,285; Apr. 28; Gaz. vol. 133; p. 2156.

Alphabetical list of patentees of designs—Continued.

- Verbeck, F. S., Chicago, Ill. Lamp-pedestal. No. 39,566; Sept. 22; Gaz. vol. 136; p. 823.
 Victor Talking Machine Company. (See English, J. C., assignor.)
 Voshardt, H. F., assignor to Friedley-Voshardt Company, Chicago, Ill. Sheet-metal pipe-elbow. No. 39,722; Dec. 22; Gaz. vol. 137; p. 1923.
 W. H. Saart Company. (See Keller, S. A., assignor.)
 W. H. Saart Company. (See Straker, H. J., assignor.)
 Wachter, L. E. F., Hartford, Conn. Bead for neck-chains or similar articles. No. 39,248; Apr. 7; Gaz. vol. 133; p. 1415.
 Waldon, S. D., assignor to Packard Motor Car Company, Detroit, Mich. Radiator-casing cap for automobiles. No. 39,272; Apr. 21; Gaz. vol. 133; p. 1916.
 Walker, F. H., Newtown, Pa. Pile fabric. No. 39,290; Apr. 28; Gaz. vol. 133; p. 2157.
 Walter, E. E., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate. No. 39,728; Dec. 29; Gaz. vol. 137; p. 2196.
 Walter, R. A., New York, N. Y. Druggist's sign. No. 39,568; Sept. 22; Gaz. vol. 136; p. 823.
 Waterbury Manufacturing Co. (See Perkins, W. H., assignor.)
 Watkins, H. E., assignor to Enos Company, New York, N. Y. Shade-holder. No. 39,592; Sept. 29; Gaz. vol. 136; p. 1047.
 Watkins, H. E., assignor to Enos Company, New York, N. Y. Shell for lighting-fixtures. Nos. 39,698-705; Dec. 22; Gaz. vol. 137; pp. 1919-20.
 Watters, F. L., Shelly, Ohio. Chair-back. No. 39,546; Sept. 15; Gaz. vol. 136; p. 638.
 Weatherly, S. M., Philadelphia, Pa. Font of type. Nos. 39,718-19; Dec. 22; Gaz. vol. 137; p. 1922.
 Weber-Erickson-Bunting Company. (See Bunting, C. H., assignor.)
 Wehr, G. F., Rochester, Pa. Shade or globe for artificial lights. Nos. 39,293-4; May 5; Gaz. vol. 134; p. 236.
 Wehr, G. F., Rochester, assignor to Phoenix Glass Company, Monaca, Pa. Glass globe. No. 39,442; Aug. 11; Gaz. vol. 135; p. 1346.
 Wehrle Company. (See Pickup, G. E., assignor.)
 Well, S. (See Hauser, L., assignor.)
 Wendell, B. F., Boston, Mass. Base-plate for garment-clasps. No. 39,237; Mar. 31; Gaz. vol. 133; p. 1169.
 Wendt, J. B., Chicago, Ill. Spoon, fork, or similar article. No. 39,687; Dec. 15; Gaz. vol. 137; p. 1686.
 Wenink, A. B., Milwaukee, Wis. Register or grille. No. 39,421; July 14; Gaz. vol. 135; p. 429.
 Westcott, D. M., Skagway, Alaska. Souvenir-badge. No. 39,726; Dec. 29; Gaz. vol. 137; p. 2195.
 Western Clock Manufacturing Company. (See Keppler, G., assignor.)
 Wetmore, C. F., Jersey City, N. J., assignor to National Casket Co., New York, N. Y. Name-block or saddle for caskets, coffins, or similar articles. No. 39,691; Dec. 15; Gaz. vol. 137; p. 1687.
 Whellams, C. J., and A. G. Pinkham, St. Paul, Minn. Souvenir-spoon. No. 39,440; Aug. 11; Gaz. vol. 135; p. 1345.
 Whipple, C. S., Portland, Ind., assignor to A. H. Helsey & Co. Glass jar. No. 39,403; July 7; Gaz. vol. 135; p. 200.
 Whipple, C. S., Portland, Ind., assignor to A. H. Helsey & Co. Glass vessel. No. 39,432; July 21; Gaz. vol. 135; p. 650.
 Whitall Tatum Company. (See Meinecke, C. W., assignor.)
 White, B. F., Rock Island, Ill. Portière. No. 38,994; Jan. 7; Gaz. vol. 132; p. 210.
 Whittall, M. J. (See Haas, F. A., assignor.)
 Whittall, M. J. (See Perry, W. A., assignor.)
 Widman, J. C. (See Krastin, P., assignor.)
 Wiggin, J. N., Orange, and R. W. Cornelison, Bloomfield, N. J., assignors to H. B. Wiggin's Sons Company. Wall-covering. No. 39,220; Mar. 24; Gaz. vol. 133; p. 972.
 Wiggin, M. A., Topeka, Kans. Clothes-hanger base. No. 39,270; Apr. 21; Gaz. vol. 133; p. 1915.
 Wightman & Hough Company. (See Arnold, F. W., assignor.)
 Wightman & Hough Company. (See Lohrmann, E. H., assignor.)
 Wilkins, M. W., Gloversville, N. Y. Purse. No. 39,617; Oct. 13; Gaz. vol. 136; p. 1505.
 William B. Durgin Company. (See Jenks and Roberts, assignors.)
 William M. Crane Company. (See Crane, W. M., assignor.)
 Williams, A. L., Chicago, Ill. Badge. No. 39,393; July 7; Gaz. vol. 135; p. 199.
 Williams, S., Cranston, R. I. Comb. No. 39,053; Feb. 4; Gaz. vol. 132; p. 1047.
 Willson, W. J., Boston, and H. E. Dix, Arlington, Mass.; said Dix assignor to said Willson. No. 39,646; Oct. 27; Gaz. vol. 136; p. 1979.
 Wilson, J. H., Atlantic City, N. J. Combination cabinet, costurner, and shaving-stand. No. 39,271; Apr. 21; Gaz. vol. 133; p. 1915.
 Wingert, R. S., assignor to Martin Manufacturing Company, Newton, Mass. Lace fabric. Nos. 39,530-4; Sept. 8; Gaz. vol. 136; pp. 418-19.
 Winship, C. A., Chicago, Ill. Badge. No. 39,227; Mar. 31; Gaz. vol. 133; p. 1168.
 Wohl, M. J., New York, N. Y., assignor to Economy Electric Company. Watch-charm or similar article. No. 39,616; Oct. 13; Gaz. vol. 136; p. 1505.
 Wohl, M. J., and H. Hertzberg, New York, N. Y. Arc-lamp. No. 39,420; July 14; Gaz. vol. 135; p. 429.
 Wohl, M. J., and H. Hertzberg, New York, N. Y. Globe for arc-lamps. No. 39,439; Aug. 4; Gaz. vol. 135; p. 1107.
 Wohl, M. J., and H. Hertzberg, New York, N. Y. Arc-lamp. No. 39,565; Sept. 22; Gaz. vol. 136; p. 823.
 Wojtecki, M., Chicago, Ill. Badge. No. 39,307; May 19; Gaz. vol. 134; p. 754.
 Wolff, W. J., assignor to M. Rothschild and R. Kuno, New York, N. Y. Button. No. 39,395; July 7; Gaz. vol. 135; p. 199.
 Wrenn Paper Company. (See Gibson, J., Jr.)
 Wye, W. H., Needham, Mass. Jacket. No. 39,346; June 9; Gaz. vol. 134; p. 1542.
 Young, C. P., York, Pa. Cigar-band. No. 39,659; Nov. 3; Gaz. vol. 137; p. 204.
 Zink, H., assignor to one-fourth to L. D. Kohlmeier and one-fourth to E. B. Johns, Indianapolis, Ind. Badge. No. 39,457; Aug. 25; Gaz. vol. 135; p. 1783.
 Zinser, P. R., assignor to Queen City Silver Company, Cincinnati, Ohio. Dish. No. 39,401; July 7; Gaz. vol. 135; p. 200.
 Zinser, P. R., assignor to Queen City Silver Company, Cincinnati, Ohio. Candelabrum. No. 39,404; July 7; Gaz. vol. 135; p. 201.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- A. Baldwin & Co., Ltd., New Orleans, La. Certain tools. No. 67,848; Feb. 25; Gaz. vol. 132; p. 1831.
- A. Booth and Company, Chicago, Ill.; Baltimore, Md.; St. Paul, Duluth, and Minneapolis, Minn.; St. Louis, Mo.; Louisville, Ky.; Omaha, Nebr.; Indianapolis, Ind., and Port Arthur, Canada. Canned oysters. No. 71,364; Nov. 24; Gaz. vol. 137; p. 971.
- A. Booth and Company, Chicago, Ill.; Baltimore, Md.; St. Paul, Duluth, and Minneapolis, Minn.; St. Louis, Mo.; Louisville, Ky.; Omaha, Nebr.; Indianapolis, Ind., and Port Arthur, Canada. Canned salmon. No. 71,488; Nov. 24; Gaz. vol. 137; p. 974.
- A. Burdall Company, Indianapolis, Ind. Paints. No. 70,978; Oct. 20; Gaz. vol. 136; p. 1764.
- A. Kimball Co., New York, N. Y. Pin-tickets. No. 68,716; Apr. 28; Gaz. vol. 133; p. 2173.
- A. Kimball Co., New York, N. Y. Pin-tickets. No. 68,986; May 12; Gaz. vol. 134; p. 510.
- A. Martin Inc., New York, N. Y. Eyeglass and spectacle lenses. No. 71,541; Dec. 1; Gaz. vol. 137; p. 1232.
- A. Schoenhut Company, Philadelphia, Pa. Weighted figure toys. No. 70,564; Sept. 15; Gaz. vol. 136; p. 653.
- A. Schreiber Brewing Co., Buffalo, N. Y. Beer. No. 69,271; June 2; Gaz. vol. 134; p. 1293.
- A. Spiegel Co., Milwaukee, Wis. Abrasive polish. No. 69,115; May 19; Gaz. vol. 134; p. 771.
- A. Strassburger Co., Pittsburg, Pa. Smoking-tobacco. No. 71,607; Dec. 8; Gaz. vol. 137; p. 1477.
- A. Wilhelm Co., Reading, Pa. Certain painters' materials. Nos. 71,365-7; Nov. 24; Gaz. vol. 137; p. 971.
- A. Wilhelm Co., Reading, Pa. Aluminium pipe-cement. No. 71,463; Nov. 24; Gaz. vol. 137; p. 974.
- A. Wilhelm Co., Reading, Pa. Paints, enamels, stains, and colors. No. 71,540; Dec. 1; Gaz. vol. 137; p. 1232.
- A. Wilhelm Co., Reading, Pa. Paints, stains, and colors. No. 71,571; Dec. 1; Gaz. vol. 137; p. 1233.
- A. Wilhelm Co., Reading, Pa. Certain painters' materials. No. 71,794; Dec. 15; Gaz. vol. 137; p. 1705.
- A. A. Cutter Company, Eau Claire, Wis. Certain footwear. No. 68,949; May 12; Gaz. vol. 134; p. 509.
- A. A. Vantine & Co., New York, N. Y. Toilet waters. No. 70,156; Aug. 4; Gaz. vol. 135; p. 1118.
- A. A. Vantine & Co., New York, N. Y. Perfumes, perfume extracts, and toilet waters. No. 70,252; Aug. 18; Gaz. vol. 135; p. 1577.
- A. A. Vantine & Co., New York, N. Y. Perfume extracts, perfumes, and toilet waters. No. 70,253; Aug. 18; Gaz. vol. 135; p. 1577.
- A. A. Vantine & Co., New York, N. Y. Tooth-powder. No. 70,254; Aug. 18; Gaz. vol. 135; p. 1577.
- A. A. Vantine & Co., New York, N. Y. Nail-stones, a polish for nails. No. 70,380; Aug. 25; Gaz. vol. 135; p. 1798.
- A. A. Vantine & Co., New York, N. Y. Perfume extracts and toilet waters. No. 70,381; Aug. 25; Gaz. vol. 135; p. 1798.
- A. A. Vantine & Co., New York, N. Y. Perfumes, perfume extracts, and toilet waters. No. 70,383; Aug. 25; Gaz. vol. 135; p. 1798.
- A. A. Vantine & Co., New York, N. Y. Perfume extracts. No. 70,384; Aug. 25; Gaz. vol. 135; p. 1798.
- A. A. Vantine & Co., New York, N. Y. Perfume extracts and toilet waters. No. 70,515; Sept. 8; Gaz. vol. 136; p. 434.
- A. A. Vantine & Co., New York, N. Y. Perfume extracts. No. 70,516; Sept. 8; Gaz. vol. 136; p. 434.
- A. A. Vantine & Co., New York, N. Y. Perfumes and perfume extracts. No. 70,517; Sept. 8; Gaz. vol. 136; p. 434.
- A. A. Vantine & Co., New York, N. Y. Toilet cream. No. 70,841; Oct. 13; Gaz. vol. 136; p. 1527.
- A. B. Andrews Company, New York, N. Y. Hosiery. Nos. 70,088-9; July 28; Gaz. vol. 135; p. 890.
- A. B. Andrews Company, New York, N. Y. Hosiery. No. 70,869; Oct. 13; Gaz. vol. 136; p. 1527.
- A. B. Andrews Company, New York, N. Y. Hosiery. Nos. 71,419-21; Nov. 24; Gaz. vol. 137; p. 972.
- A. B. Chase Company, Norwalk, Ohio. Certain musical instruments. No. 72,056; Dec. 29; Gaz. vol. 137; p. 2215.
- A. B. Farquhar Company, Limited, York, Pa. Potato-diggers. No. 67,218; Jan. 21; Gaz. vol. 132; p. 675.
- A. B. Farquhar Company, Limited, York, Pa. Potato-diggers. No. 68,081; Mar. 10; Gaz. vol. 133; p. 507.
- A. C. Lawrence Leather Co., Boston, Mass. Leather. No. 67,373; Jan. 28; Gaz. vol. 132; p. 839.
- A. C. Lawrence Leather Co., Boston, Mass. Pigskin. No. 68,705; Apr. 28; Gaz. vol. 133; p. 2173.
- A. C. Poole Auger Co., Scarboro, W. Va. Mining-augers. No. 69,174; May 26; Gaz. vol. 134; p. 1045.
- A. C. Staley Mfg. Co., South Bend, Ind. Knitted underwear. No. 67,107; Jan. 14; Gaz. vol. 132; p. 463.
- A. E. Little & Company, Lynn, Mass. Boots and shoes of leather and leather and cloth. No. 67,465; Feb. 4; Gaz. vol. 132; p. 1067.
- A. F. Beckmann & Co., New York, N. Y. Canned fruits, canned vegetables, vinegar, and pickles. No. 67,040; Jan. 14; Gaz. vol. 132; p. 462.
- A. F. Cox & Son, Portland, Me. Leather boots and shoes. No. 68,410; Apr. 7; Gaz. vol. 133; p. 1430.
- A. & F. Pears Limited, London, England. Perfumed toilet soap. No. 70,853; Oct. 13; Gaz. vol. 136; p. 1527.
- A. G. Spalding & Bros., New York, N. Y. Game in which a spool or double spinning top is used. No. 68,254; Mar. 17; Gaz. vol. 133; p. 758.
- A. J. Bates Co., Webster, Mass. Leather boots and shoes. No. 67,219; Jan. 21; Gaz. vol. 132; p. 675.
- A. J. Kasper Company, Chicago, Ill. Coffee. No. 70,979; Oct. 20; Gaz. vol. 136; p. 1764.
- A. J. Lindemann & Hoverson Co., Milwaukee, Wis. Stoves and ranges. No. 69,622; June 23; Gaz. vol. 134; p. 2025.
- A. J. Reach Company, Philadelphia, Pa. Base-balls. No. 67,015; Jan. 14; Gaz. vol. 132; p. 461.
- A. J. Reach Company, Philadelphia, Pa. Base-ball gloves. No. 67,239; Jan. 28; Gaz. vol. 132; p. 835.
- A. J. Reach Company, Philadelphia, Pa. Certain sporting goods. No. 67,752; Feb. 18; Gaz. vol. 132; p. 1580.
- A. J. Reach Company, Philadelphia, Pa. Certain sporting goods. No. 71,795; Dec. 15; Gaz. vol. 137; p. 1705.
- A. J. Tower Company, Portland, Me., and Boston, Mass. Oiled clothing. No. 70,090; July 28; Gaz. vol. 135; p. 890.
- A. M. Jordan Co., New York, N. Y. Blend of straight rye whiskies. No. 70,683; Sept. 22; Gaz. vol. 136; p. 844.
- A. O. Leonard Company, New York, N. Y. Artificial ear-drums. No. 71,932; Dec. 22; Gaz. vol. 137; p. 1934.
- A/s Stavanger Sardine Co., Stavanger, Norway. Canned sardines. No. 67,473; Feb. 4; Gaz. vol. 132; p. 1067.
- Aarons, A., New Orleans, La. Veterinary remedy. No. 71,904; Dec. 22; Gaz. vol. 137; p. 1934.
- Abdulla and Company, Limited, London, England. Tobacco, cigars, and cigarettes. No. 70,157; Aug. 4; Gaz. vol. 135; p. 1118.
- Abendroth Brothers, Port Chester and New York, N. Y. Cast-metal soil-pipes and fittings. Nos. 68,965-7; May 12; Gaz. vol. 134; p. 509.
- Abercrombie & Fitch Co., New York, N. Y. Tents. No. 69,864; July 14; Gaz. vol. 135; p. 445.
- Abernethy, W. J., Chicago, Ill. Folding window-shades. No. 72,019; Dec. 29; Gaz. vol. 137; p. 2214.
- Abraham, D. J., Berkeley, Cal. Knit gloves and ladies' hosiery. No. 67,280; Jan. 28; Gaz. vol. 132; p. 836.
- Abraham, L., Milwaukee, Wis. Combination muffler and chest and back protector. No. 71,675; Dec. 8; Gaz. vol. 137; p. 1479.
- Abraham, S., New York, N. Y. Coats, overcoats, vests, and trousers. No. 70,091; July 28; Gaz. vol. 135; p. 890.
- Acheson, E. G., Niagara Falls, N. Y. Lubricants containing graphite and water. No. 68,738; Apr. 28; Gaz. vol. 133; p. 2174.
- Acheson, E. G., Niagara Falls, N. Y. Lubricants containing oil and graphite. No. 68,739; Apr. 28; Gaz. vol. 133; p. 2174.
- Acker, Merrill & Condit Company, New York, N. Y. Certain precious-metal and plated ware. No. 70,456; Sept. 1; Gaz. vol. 136; p. 222.
- Acme Belting Company, Phillipsburg, N. J. Machinery belts of textile material. No. 67,428; Feb. 4; Gaz. vol. 132; p. 1066.
- Acme Brewing Company, Macon, Ga. Non-intoxicating malt beverages. No. 69,221; May 26; Gaz. vol. 134; p. 1046.
- Acme Chemical Co., Detroit, Mich. Massage-cream. No. 67,900; Feb. 25; Gaz. vol. 132; p. 1832.
- Acorn Canning Co., Houston, Tex. Hungarian-style goulash. No. 71,158; Nov. 3; Gaz. vol. 137; p. 224.
- Actien-Gesellschaft Adolph H. Neufeldt Metallwarenfabrik und Emailierwerk, Elbing, Germany. Kitchen and household utensils made of enameled metal ware. No. 68,968; May 12; Gaz. vol. 134; p. 510.
- Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Internal remedy for urinary diseases. No. 67,963; Mar. 3; Gaz. vol. 133; p. 223.
- Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Remedies for certain diseases. No. 69,205; May 26; Gaz. vol. 134; p. 1046.
- Actual Knitting Mills, Philadelphia, Pa. Soles for footwear. No. 68,543; Apr. 14; Gaz. vol. 133; p. 1675.
- Adamick, G. H. (See Lewis and Company, G., assignor.)
- Adams, F. W., Chicago, Ill. Metal bedsteads. No. 70,781; Oct. 6; Gaz. vol. 136; p. 1293.
- Adams, J. F., Boston, Mass. Ladies' and children's leather shoes. No. 71,933; Dec. 22; Gaz. vol. 137; p. 1934.
- Adams Manufacturing Company, New York, N. Y. Certain textiles. No. 70,980; Oct. 20; Gaz. vol. 136; p. 1764.
- Adams, S. S., Plainfield, N. J. Snuff. No. 70,158; Aug. 4; Gaz. vol. 135; p. 1118.
- Addressograph Company, Chicago, Ill. Printing-machines. No. 70,013; July 21; Gaz. vol. 135; p. 659.
- Adler & Ast, New York, N. Y. Certain clothing. No. 69,195; May 26; Gaz. vol. 134; p. 1046.

Alphabetical list of registrants of trade-marks—Continued.

- Adolph Frankau & Co., Ltd., London, England. Certain smokers' articles. No. 69,874; July 14; Gaz. vol. 135; p. 446.
- Agnus, F., trustee, Baltimore, Md. Newspaper. No. 69,299; June 2; Gaz. vol. 134; p. 1294.
- Agricultural Remedy Co., Topeka, Kans. Certain medicine. No. 67,587; Feb. 11; Gaz. vol. 132; p. 1314.
- Ahrens & Ott Mfg. Co., Louisville, Ky. Certain plumbing supplies. No. 69,657; June 30; Gaz. vol. 134; p. 2239.
- Ainley, J. S., Huddersfield, England. Woolen and worsted woven piece goods. No. 69,642; June 23; Gaz. vol. 134; p. 2025.
- Ainsworth Shoe Co., Toledo, Ohio. Leather shoes. No. 70,684; Sept. 22; Gaz. vol. 136; p. 844.
- Air Line Carrier Co., Chicago, Ill. Cash-carriers and package-carriers. No. 69,336; June 9; Gaz. vol. 134; p. 1557.
- Aitken, Son & Co., New York, N. Y. Certain hat-trimmings. No. 68,854; May 5; Gaz. vol. 134; p. 251.
- Ajax-Grieb Rubber Company, Trenton, N. J. Automobile and bicycle tires of rubber and fabric. No. 71,861; Dec. 15; Gaz. vol. 137; p. 1707.
- Ajax Line Material Co., Chicago, Ill. Certain electrical supplies. No. 70,904; Oct. 13; Gaz. vol. 136; p. 1528.
- Ajax Paint Company, Indianapolis, Ind. Paints. No. 71,521; Dec. 1; Gaz. vol. 137; p. 1231.
- Aktiebolaget Barnängens Tekniska Fabrik, Stockholm, Sweden. Soaps. No. 70,115; Aug. 4; Gaz. vol. 135; p. 1117.
- Aktiebolaget Barnängens Tekniska Fabrik, Stockholm, Sweden. Antiseptic preparation. No. 70,711; Sept. 29; Gaz. vol. 136; p. 1063.
- Aktiebolaget Sveriges Förenade Konservfabriker, Gottenborg, Sweden. Anchovies. No. 68,130; Mar. 10; Gaz. vol. 133; p. 508.
- Aktiebolaget Sveriges Förenade Konservfabriker, Gottenborg, Sweden. Preserved fish. No. 68,531; Apr. 14; Gaz. vol. 133; p. 1674.
- Aktiebolaget Sveriges Förenade Konservfabriker, Gottenborg, Sweden. Anchovies and fish preserves. No. 68,532; Apr. 14; Gaz. vol. 133; p. 1674.
- Aktienbrauerei zum Löwenbräu in München, Munich, Germany. Beer. No. 71,676; Dec. 8; Gaz. vol. 137; p. 1479.
- Aktiengesellschaft-Hommel's Haematogen, Zurich, Switzerland. Blood-forming and blood-improving preparation. No. 71,984; Dec. 29; Gaz. vol. 137; p. 2213.
- Aktieselskabet Stavanger Blikemballagfabrik, Stavanger, Norway. Sardines. No. 72,057; Dec. 29; Gaz. vol. 137; p. 2215.
- Alabama Chemical Company, Montgomery, Ala. Guano. No. 71,952; Dec. 22; Gaz. vol. 137; p. 1935.
- Alabama Chemical Company, Montgomery, Ala. Guano. Nos. 71,973-4; Dec. 22; Gaz. vol. 137; p. 1936.
- Alabama Chemical Company, Montgomery, Ala. Fertilizer. No. 71,975; Dec. 22; Gaz. vol. 137; p. 1936.
- Alabama Chemical Company, Montgomery, Ala. Guano. Nos. 71,976-7; Dec. 22; Gaz. vol. 137; p. 1936.
- Alabama Chemical Company, Montgomery, Ala. Fertilizer. No. 71,978; Dec. 22; Gaz. vol. 137; p. 1936.
- Alabama Chemical Company, Montgomery, Ala. Guano. No. 71,979; Dec. 22; Gaz. vol. 137; p. 1936.
- Alabama Cotton Oil Company, Montgomery, Ala. Fertilizers. No. 68,212; Mar. 17; Gaz. vol. 133; p. 757.
- Alart & McGuire, New York, N. Y. Certain foods. No. 67,036; Jan. 14; Gaz. vol. 132; p. 462.
- Alart & McGuire, New York, N. Y. Certain foods. No. 69,954; July 21; Gaz. vol. 135; p. 658.
- Alaska Packers Association, San Francisco, Cal. Canned salmon. Nos. 71,725-33; Dec. 15; Gaz. vol. 137; pp. 1703-4.
- Alaska Packers Association, San Francisco, Cal. Canned salmon. Nos. 71,735-75; Dec. 15; Gaz. vol. 137; pp. 1704-5.
- Alaska Packers Association, San Francisco, Cal. Canned salmon. Nos. 71,841-4; Dec. 15; Gaz. vol. 137; pp. 1706-7.
- Alaska Packers Association, San Francisco, Cal. Canned salmon. Nos. 71,879-87; Dec. 22; Gaz. vol. 137; p. 1933.
- Alaska Packers Association, San Francisco, Cal. Canned salmon. Nos. 72,058-9; Dec. 29; Gaz. vol. 137; p. 2215.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Packages of toilet-paper. No. 69,091; May 19; Gaz. vol. 134; p. 770.
- Alberger Condenser Company, New York, N. Y. Steam-condensers. Nos. 66,944-5; Jan. 7; Gaz. vol. 132; p. 226.
- Albert Dickinson Company, Chicago, Ill. Certain seeds. No. 69,116; May 19; Gaz. vol. 134; p. 771.
- Albert Dickinson Company, Chicago, Ill. Timothy-seed. No. 69,433; June 16; Gaz. vol. 134; p. 1797.
- Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Electric insulators employed in electric-railway construction. No. 69,643; June 23; Gaz. vol. 134; p. 2025.
- Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Electric insulators. No. 70,202; Aug. 11; Gaz. vol. 135; p. 1357.
- Albert, S., New York, N. Y. Iron tonic. No. 70,932; Oct. 20; Gaz. vol. 136; p. 1763.
- Albrecht, W., Boston, Mass. Beer and ale. No. 71,368; Nov. 24; Gaz. vol. 137; p. 971.
- Alcohol Light, Heat and Power Company, Meriden, Conn. Certain heating, lighting, and ventilating apparatus. No. 67,805; Feb. 18; Gaz. vol. 132; p. 1582.
- Alfred H. Smith Co., New York, N. Y. Perfumes. Nos. 70,592-3; Sept. 15; Gaz. vol. 136; p. 654.
- Alkalol Company, Taunton, Mass. Medicinal compound. No. 70,850; Oct. 13; Gaz. vol. 136; p. 1527.
- Allcock Manufacturing Co., New York, N. Y. Pills. No. 70,408; Aug. 25; Gaz. vol. 135; p. 1799.
- Allen Brothers Company, Omaha, Nebr. Rolled oats and wheat-flour. No. 66,912; Jan. 7; Gaz. vol. 132; p. 225.
- Allen Brothers Company, Omaha, Nebr. Pancake-flour. No. 66,913; Jan. 7; Gaz. vol. 132; p. 225.
- Allen Brothers Company, Omaha, Nebr. Certain foods. No. 66,914; Jan. 7; Gaz. vol. 132; p. 225.
- Allen & Company, S., Hartford, Conn. Dress-shields. No. 71,317; Nov. 17; Gaz. vol. 137; p. 728.
- Allen-Foster-Willet Co., Lynn, Mass. Leather and canvas boots and shoes. No. 71,985; Dec. 29; Gaz. vol. 137; p. 2213.
- Allen, Joseph C., Plainfield, N. J. Silver-polish. No. 68,593; Apr. 21; Gaz. vol. 133; p. 1929.
- Allen, W. E., Monroe, La. Remedies for headaches and fevers. No. 67,576; Feb. 11; Gaz. vol. 132; p. 1314.
- Allen, W. R., Manchester, England. Cigarettes, cigars, smoking-tobacco, and chewing-tobacco. No. 67,773; Feb. 18; Gaz. vol. 132; p. 1581.
- Allmens Distilling Company, Kansas City, Mo. Cigars. No. 67,016; Jan. 14; Gaz. vol. 132; p. 461.
- Alpha Portland Cement Company, Easton, Pa. Portland cement. No. 70,422; Sept. 1; Gaz. vol. 136; p. 221.
- Alpha Portland Cement Company, Easton, Pa. Portland cement. No. 70,500; Sept. 8; Gaz. vol. 136; p. 433.
- Alsberg, Moritz and Lave, New York, N. Y. Certain clothing. No. 69,655; June 23; Gaz. vol. 134; p. 2025.
- Alta Vista Creamery Company, Fort Worth, Tex. Ice-cream, ices, sherbets, and frozen custards. No. 67,989; Mar. 3; Gaz. vol. 133; p. 223.
- Alta Vista Creamery Company, Fort Worth, Tex. Milk, cream, and butter. No. 68,411; Apr. 7; Gaz. vol. 133; p. 1430.
- Altenberg, G. P., Cincinnati, Ohio. Certain bottles and jars. No. 70,444; Sept. 1; Gaz. vol. 136; p. 221.
- Alton Baking & Catering Co., Alton, Ill. Bread. No. 68,433; Apr. 7; Gaz. vol. 133; p. 1430.
- Altschuler, L., Allegheny, Pa. Liniments. No. 67,410; Feb. 4; Gaz. vol. 132; p. 1065.
- Alvarado, A., New York, N. Y. Remedies for coughs and colds. No. 67,017; Jan. 14; Gaz. vol. 132; p. 461.
- Alvarez & Ca., P., Ciales, Porto Rico. Cigars. No. 71,494; Nov. 24; Gaz. vol. 137; p. 975.
- Amalgamated Gum Company, Troy, N. Y. Chemical starch preparation used for sizing textiles. No. 67,690; Feb. 18; Gaz. vol. 132; p. 1579.
- Amalgamated Gum Company, Troy, N. Y. Chemical starch preparation for finishing textiles and for laundry purposes. No. 67,730; Feb. 18; Gaz. vol. 132; p. 1580.
- American Axe & Tool Co. Inc., Glassport, Pa. Grass-hooks, axes, hatchets, broadaxes, and adzes. No. 67,108; Jan. 14; Gaz. vol. 132; p. 463.
- American Axe & Tool Co., Glassport, Pa. Certain tools. No. 71,845; Dec. 15; Gaz. vol. 137; p. 1707.
- American Beet Sugar Co., New York, N. Y. Beet-sugar. No. 69,222; May 26; Gaz. vol. 134; p. 1046.
- American Beet Sugar Co., New York, N. Y. Beet-sugar. No. 70,042; July 28; Gaz. vol. 135; p. 889.
- American Beet Sugar Co., New York, N. Y. Beet-sugar. Nos. 70,141-2; Aug. 4; Gaz. vol. 135; p. 1117.
- American Brewing Co., Indianapolis, Ind. Beer. No. 68,054; Mar. 3; Gaz. vol. 133; p. 225.
- American Candy Co., Milwaukee, Wis. Chocolates. No. 67,306; Jan. 28; Gaz. vol. 132; p. 837.
- American Cement Waterproofing Co., Camden, N. J. Certain waterproofing solution. No. 69,235; May 26; Gaz. vol. 134; p. 1047.
- American Circular Loom Company, Portland, Me., and Boston, Mass. Flexible electric conduits. No. 71,542; Dec. 1; Gaz. vol. 137; p. 1232.
- American Commercial Company, Ltd., Los Angeles, Cal. Naphtha washing-powder. No. 71,369; Nov. 24; Gaz. vol. 137; p. 971.
- American Concrete-Steel Company, Newark, N. J. Metal reinforcing devices. No. 71,796; Dec. 15; Gaz. vol. 137; p. 1705.
- American Cuckoo Clock Company, Philadelphia, Pa. Clocks. No. 70,649; Sept. 22; Gaz. vol. 136; p. 843.
- American Cyanamid Company, New York, N. Y. Calcium cyanamid. No. 67,228; Jan. 28; Gaz. vol. 132; p. 835.
- American Cystoscope Makers, Inc., New York, N. Y. Electrically-lighted diagnostic instruments. No. 71,197; Nov. 10; Gaz. vol. 137; p. 469.
- American Dehydrating Company, Waukesha, Wis. Dehydrated vegetables and fruit. No. 67,990; Mar. 3; Gaz. vol. 133; p. 223.
- American Diamalt Company, Cincinnati, Ohio. Malt extract. No. 70,236; Aug. 11; Gaz. vol. 135; p. 1358.
- American District Steam Co., Lockport, N. Y. Certain steam-fittings and supplies. No. 69,875; July 14; Gaz. vol. 135; p. 446.
- American Electric Lamp Co. of N. Y., Philadelphia, Pa. Electric lamps. No. 67,390; Feb. 4; Gaz. vol. 132; p. 1065.
- American Electric Telephone Company, Chicago, Ill. Dry batteries. No. 70,385; Aug. 25; Gaz. vol. 135; p. 1798.
- American Fertilizing Company, Norfolk Va. Fertilizers. No. 68,940; May 12; Gaz. vol. 134; p. 509.
- American Fertilizing Company, Norfolk Va. Fertilizers. No. 69,475; June 16; Gaz. vol. 134; p. 1798.
- American Fork & Hoe Company, Cleveland, Ohio. Agricultural forks, rakes, and hoes. No. 67,688; Feb. 11; Gaz. vol. 132; p. 1317.
- American Hand Sewed Shoe Co., Omaha, Nebr. Rubber boots, shoes, and overshoes. No. 69,206; May 26; Gaz. vol. 134; p. 1046.
- American Hominy Company, Indianapolis, Ind. Wheat-flour. No. 68,040; Mar. 3; Gaz. vol. 133; p. 225.
- American Hominy Company, Indianapolis, Ind. Cornmeal. Nos. 70,685-6; Sept. 22; Gaz. vol. 136; p. 844.
- American Improved Anti-Friction Metal Company, Mobile, Ala. Antifriction metal. No. 67,774; Feb. 18; Gaz. vol. 132; p. 1581.

Alphabetical list of registrants of trade-marks—Continued.

- American-La France Fire Engine Co., Elmira, N. Y. Chemical engines, chemical fire-extinguishing apparatus, and hand-grenades. No. 68,003; Mar. 3; Gaz. vol. 133; p. 224.
- American-La France Fire Engine Co., Elmira, N. Y. Chemical fire-extinguishing apparatus. No. 68,004; Mar. 3; Gaz. vol. 133; p. 224.
- American-La France Fire Engine Co., Elmira, N. Y. Chemical fire-extinguishing apparatus. No. 69,796; July 7; Gaz. vol. 135; p. 214.
- American Lead Pencil Co., New York, N. Y. Eraser-holders for application to the ends of lead-pencils. No. 66,976; Jan. 7; Gaz. vol. 132; p. 227.
- American Machinery Company, New York, N. Y. Sash-operating apparatus. No. 71,248; Nov. 10; Gaz. vol. 137; p. 471.
- American Maize-Products Company, Portland, Me., and New York, N. Y. Laundry starch. Nos. 70,386-7; Aug. 25; Gaz. vol. 135; p. 1798.
- American Manufacturing Company, Fort Worth, Tex. Overalls, jumpers, trousers, and dress-shirts. No. 68,178; Mar. 10; Gaz. vol. 133; p. 509.
- American Narrow Fabric Company, Worcester, Mass. Suspenders, garment-supporters, garters, and arm-elastics. No. 70,458; Sept. 1; Gaz. vol. 136; p. 222.
- American News Company, New York, N. Y. Writing-paper, writing tablets and pads, and envelopes. No. 68,717; Apr. 28; Gaz. vol. 133; p. 2173.
- American Pin Company, Waterville, Conn. Dress-eyes. No. 71,271; Nov. 17; Gaz. vol. 137; p. 727.
- American Pulley Company, Philadelphia, Pa. Sash-pulleys. Nos. 69,434-5; June 16; Gaz. vol. 134; p. 1797.
- American Rolling Mill Company, Middletown, Ohio. Sheets, bars, tubes, and forgings of iron. No. 70,565; Sept. 15; Gaz. vol. 136; p. 653.
- American Rubber Company, Boston, Mass. Rubber boots and shoes. Nos. 67,453-4; Feb. 4; Gaz. vol. 132; p. 1066.
- American Rubber Company, Boston, Mass. Rubber boots, shoes, and clothing. No. 71,986; Dec. 29; Gaz. vol. 137; p. 2213.
- American Sheet & Tin Plate Co., Pittsburg, Pa. Certain metal plates and sheets. No. 68,758; Apr. 28; Gaz. vol. 133; p. 2174.
- American Shoe Polish Company, Chicago, Ill. Leather and shoe blackings and dressings. No. 67,545; Feb. 11; Gaz. vol. 132; p. 1313.
- American Steam Pump Company, Battle Creek, Mich. Pumps and pumping machinery. No. 69,797; July 7; Gaz. vol. 135; p. 214.
- American Steel & Wire Company of New Jersey, Worcester, Mass. Wire rope and cables. No. 71,585; Dec. 1; Gaz. vol. 137; p. 1233.
- American-Swiss Watch Co., New York, N. Y. Watches, watchcases, and watch-movements. No. 68,377; Apr. 7; Gaz. vol. 133; p. 1429.
- American-Swiss Watch Co., New York, N. Y. Watches, watchcases, and watch-movements. No. 70,931; Oct. 20; Gaz. vol. 136; p. 1763.
- American Tar Company, Boston, Mass. Preparations for oiling roads. Nos. 70,388-90; Aug. 25; Gaz. vol. 135; p. 1798.
- American Thread Company, Jersey City, N. J. Spool-cotton, sewing-cotton, and thread. Nos. 67,859-61; Feb. 25; Gaz. vol. 132; p. 1831.
- American Thread Company, Jersey City, N. J. Spool-cotton, sewing-cotton, and thread. No. 68,791; Apr. 28; Gaz. vol. 133; p. 2175.
- American Thread Company, Jersey City, N. J. Spool-cotton, sewing-cotton, knitting and embroidery cotton, and thread. No. 68,792; Apr. 28; Gaz. vol. 133; p. 2175.
- American Thread Company, Jersey City, N. J. Spool-cotton, sewing-cotton, and thread. No. 68,793; Apr. 28; Gaz. vol. 133; p. 2175.
- American Thread Company, Jersey City, N. J. Spool-cotton, sewing-cotton, knitting-yarns, and thread. No. 68,794; Apr. 28; Gaz. vol. 133; p. 2175.
- American Thread Company, Jersey City, N. J. Spool-cotton, sewing-cotton, and thread. No. 68,855; May 5; Gaz. vol. 134; p. 251.
- American Thread Company, Jersey City, N. J. Spool-cotton and sewing-cotton and thread. No. 71,272; Nov. 17; Gaz. vol. 137; p. 727.
- American Thread Company, Jersey City, N. J. Lace-thread. No. 71,522; Dec. 1; Gaz. vol. 137; p. 1231.
- American Tobacco Company, New York, N. Y. Chewing and smoking tobacco. No. 67,775; Feb. 18; Gaz. vol. 132; p. 1581.
- American Tobacco Company, New York, N. Y. Chewing and smoking tobacco. No. 67,949; Feb. 25; Gaz. vol. 132; p. 1833.
- American Type Founders Company, Jersey City, N. J. Fonts of type. No. 68,378; Apr. 7; Gaz. vol. 133; p. 1429.
- American Vulcanized Fibre Company, Wilmington, Del. Vulcanized fiber. No. 70,245; Aug. 18; Gaz. vol. 135; p. 1577.
- American Washboard Company, Cleveland, Ohio, assignor to National Washboard Company. Washboards. No. 67,862; Feb. 25; Gaz. vol. 132; p. 1831.
- American Wine & Spirit Co., Philadelphia, Pa. Straight rye whisky. No. 71,489; Nov. 24; Gaz. vol. 137; p. 974.
- American Wringer Company, New York, N. Y. Clothes-wringers. No. 68,544; Apr. 14; Gaz. vol. 133; p. 1675.
- American Wringer Company, Providence, R. I., and New York, N. Y. Clothes-wringers. Nos. 68,814-15; Apr. 28; Gaz. vol. 133; p. 2176.
- American Wringer Company, Providence, R. I., and New York, N. Y. Rubber-roll clothes-wringers. No. 69,906; July 14; Gaz. vol. 135; p. 446.
- Amoskeag Manufacturing Company, Manchester, N. H. Tickings. Nos. 71,953-4; Dec. 22; Gaz. vol. 137; p. 1935.
- Amsterdam Broom Co., Amsterdam, N. Y. Brooms and brushes. No. 69,033; May 19; Gaz. vol. 134; p. 769.
- Anchor Glass Company, Mount Pleasant, Pa. Certain glassware. No. 71,249; Nov. 10; Gaz. vol. 137; p. 471.
- Anchor Packing Company, Philadelphia, Pa. Rubber belting, rubber hose, and rubber machinery packing. No. 70,748; Sept. 29; Gaz. vol. 136; p. 1064.
- Anderson, B. L., Washington, D. C. Varnishes and stains and sets of the same. No. 68,987; May 12; Gaz. vol. 134; p. 510.
- Anderson & Co., W., New York, N. Y. Gingham. No. 67,281; Jan. 28; Gaz. vol. 132; p. 836.
- Anderson, F. W., Wallington, N. J. Paints. No. 70,005; July 21; Gaz. vol. 135; p. 659.
- Andrew Jergens Co., Cincinnati, Ohio. Facial soap and shaving-soap. No. 68,594; Apr. 21; Gaz. vol. 133; p. 1929.
- Anger Baking Company, New York, N. Y. Egg-noodles and macaroni. No. 67,037; Jan. 14; Gaz. vol. 132; p. 462.
- Anheuser-Busch Brewing Association, St. Louis, Mo. Extract of malt and hops. No. 69,092; May 19; Gaz. vol. 134; p. 770.
- Anker, L., Hamburg, Germany. Filters and certain prepared filtering materials. No. 70,357; Aug. 25; Gaz. vol. 135; p. 1798.
- Anthracite Mfg. Co., Wilkes-Barre, Pa. Liquid paint and varnish remover. No. 70,870; Oct. 13; Gaz. vol. 136; p. 1527.
- Antolini & Co., D., New York, N. Y. Canned Italian tomatoes. No. 71,776; Dec. 15; Gaz. vol. 137; p. 1705.
- Anton, G., Monongahela, Pa. Miners' lamps. No. 70,364; Aug. 25; Gaz. vol. 135; p. 1798.
- Anton, G., Monongahela, Pa. Oil, paraffin, or tallow burning miners' lamps. No. 70,650; Sept. 22; Gaz. vol. 136; p. 843.
- Antrim & Sons, C. W., Richmond, Va. Tea. No. 71,371; Nov. 24; Gaz. vol. 137; p. 971.
- Appelbee & Neuman, New York, N. Y. Buttons and buckles for personal wear. No. 71,987; Dec. 29; Gaz. vol. 137; p. 2213.
- Appendixine Company, New York, N. Y. Medicine for certain diseases. No. 69,601; June 23; Gaz. vol. 134; p. 2024.
- Appleton Electric Company, Chicago, Ill. Electric outlet-boxes. No. 69,532; June 16; Gaz. vol. 134; p. 1800.
- Appleton Electric Company, Chicago, Ill., assignor to Crouse-Hinds Company, Syracuse, N. Y. Outlet-bushings for electric-wiring purposes. No. 67,753; Feb. 18; Gaz. vol. 132; p. 1580.
- Aquino, G., New York, N. Y. Cordial. No. 70,722; Sept. 29; Gaz. vol. 136; p. 1063.
- Aquino, G., New York, N. Y. Red wine made in Villanova. No. 71,523; Dec. 1; Gaz. vol. 137; p. 1231.
- Aquino, G., New York, N. Y. Red wine made in Villanova. No. 72,034; Dec. 29; Gaz. vol. 137; p. 2214.
- Arbuckle Brothers, New York, N. Y.; Pittsburg, Pa., and Chicago, Ill. Tea. No. 68,412; Apr. 7; Gaz. vol. 133; p. 1430.
- Arbuckle Brothers, New York, N. Y.; Pittsburg, Pa., and Chicago, Ill. Coffee. No. 69,006; May 12; Gaz. vol. 134; p. 515.
- Arcadia Co-operative Shoe Company, Waterville, Me., and Boston, Mass. Leather shoes, boots, and slippers. No. 70,327; Aug. 25; Gaz. vol. 135; p. 1797.
- Arent Bros. Medical Co., Rutland, Iowa. Remedy for diseases of the generative organs. No. 71,422; Nov. 24; Gaz. vol. 137; p. 972.
- Arizona Wonderine Co., Phoenix, Ariz. Ter., and Los Angeles, Cal. Preparation of geyser mud. No. 67,411; Feb. 4; Gaz. vol. 132; p. 1065.
- Arlington Mills, Lawrence and Boston, Mass. Worst dress goods. No. 71,955; Dec. 22; Gaz. vol. 137; p. 1935.
- Armitage, S., London, England. Skin-cream, cold-cream, and hair-lotions. No. 67,962; Mar. 3; Gaz. vol. 133; p. 223.
- Armour & Company, Chicago, Ill. Certain foods. No. 71,273; Nov. 17; Gaz. vol. 137; p. 727.
- Armour Packing Company, Jersey City, N. J.; Kansas City, Kans., and Kansas City, Mo. Certain foods. No. 69,270; June 2; Gaz. vol. 134; p. 1293.
- Armsby Preserving Co., San Francisco, Cal. Certain canned fruits. Nos. 68,630-2; Apr. 21; Gaz. vol. 133; p. 1930.
- Armsby Preserving Co., San Francisco, Cal. Certain canned fruits. Nos. 71,250-2; Nov. 10; Gaz. vol. 137; p. 471.
- Armstrong, D. N., Bridgeport, Conn. Threading and cutting-off machines. No. 68,201; Mar. 17; Gaz. vol. 133; p. 757.
- Armstrong, E. A., Chicago, Ill. Waterproof sheets and sheeting. No. 71,423; Nov. 24; Gaz. vol. 137; p. 972.
- Armstrong Mfg. Co., Bridgeport, Conn. Threading and cutting-off machines. No. 68,005; Mar. 3; Gaz. vol. 133; p. 224.
- Arnold & Aborn, New York, N. Y. Coffee. No. 68,488; Apr. 14; Gaz. vol. 133; p. 1673.
- Arnold, H., Kansas City, Mo. Bank-checks. No. 67,085; Jan. 14; Gaz. vol. 132; p. 463.
- Arntz, L., Des Moines, Iowa. Eye remedies. No. 67,349; Jan. 28; Gaz. vol. 132; p. 838.
- Aroma Coffee Company, Duluth, Minn. Blended coffee. No. 71,370; Nov. 24; Gaz. vol. 137; p. 971.
- Arrow Electric Company, Hartford, Conn. Electrical switches. No. 67,282; Jan. 28; Gaz. vol. 132; p. 836.
- Aschenbeck, J. C., Wharton, Tex. Non-intoxicating carbonated beverages. No. 69,054; May 19; Gaz. vol. 134; p. 769.
- Ashaway Line & Twine Manufg Co., Ashaway, R. I. Twine. No. 70,871; Oct. 13; Gaz. vol. 136; p. 1528.
- Ashaway Line & Twine Manufg Co., Ashaway, R. I. Silk, linen, and cotton fish-lines. No. 70,949; Oct. 20; Gaz. vol. 136; p. 1763.
- Ashcroft Manufacturing Company, Bridgeport, Conn. Certain measuring appliances. No. 67,523; Feb. 4; Gaz. vol. 132; p. 1068.
- Ashcroft Manufacturing Company, Bridgeport, Conn. Wooden gage boards and frames. No. 68,091; Mar. 10; Gaz. vol. 133; p. 507.
- Ashcroft Manufacturing Company, Bridgeport, Conn. Clocks. No. 68,180; Mar. 10; Gaz. vol. 133; p. 509.

Alphabetical list of registrants of trade-marks—Continued.

- Ashcroft Manufacturing Company, Bridgeport, Conn. Certain plumbing and steam-fitting supplies. No. 68,379; Apr. 7; Gaz. vol. 133; p. 1429.
- Ashcroft Manufacturing Company, Bridgeport, Conn. Certain tools. No. 68,988; May 12; Gaz. vol. 134; p. 510.
- Ashcroft Manufacturing Company, Bridgeport, Conn. Pipe stocks and dies. No. 69,055; May 19; Gaz. vol. 134; p. 769.
- Ashcroft Manufacturing Company, Bridgeport, Conn. Pulleys, pumps, and reducing motions for indicators.* No. 69,056; May 19; Gaz. vol. 134; p. 769.
- Ashcroft, R. W., New York, N. Y. Smoking-tobacco. Nos. 67,018-19; Jan. 14; Gaz. vol. 132; p. 461.
- Ashcroft, R. W., New York, N. Y. Whisky. Nos. 67,086-7; Jan. 14; Gaz. vol. 132; p. 463.
- Aspegren & Co., New York, N. Y. Cotton-seed oil. No. 69,103; May 19; Gaz. vol. 134; p. 771.
- Asphaltum Products Company, Seattle, Wash. Marine glue. No. 71,860; Dec. 15; Gaz. vol. 137; p. 1707.
- Atchison Oat Meal and Cereal Co., Atchison, Kans. Rolled oats. No. 66,915; Jan. 7; Gaz. vol. 132; p. 225.
- Atlantic Company, Amesbury, Mass. Rowing-skiffs, dories, and motor-boats. No. 70,123; Aug. 4; Gaz. vol. 135; p. 1117.
- Atlantic Macaroni Co., New York, N. Y. Macaroni. Nos. 71,274-5; Nov. 17; Gaz. vol. 137; p. 727.
- Atlantic Macaroni Co., New York, N. Y. Macaroni. No. 71,608; Dec. 8; Gaz. vol. 137; p. 1477.
- Atlantic Macaroni Co., New York, N. Y. Macaroni. No. 72,035; Dec. 29; Gaz. vol. 137; p. 2214.
- Atlantic Paint Company, New York, N. Y. Mixed paints. No. 68,055; Mar. 3; Gaz. vol. 133; p. 225.
- Atlantic Stamping Company, Rochester, N. Y. Certain sheet-metal ware. No. 70,851; Oct. 13; Gaz. vol. 136; p. 1527.
- Atlantic Stamping Company, Rochester, N. Y. Certain receptacles. No. 70,872; Oct. 13; Gaz. vol. 136; p. 1528.
- Atlas Preservative Company, Limited, London, England. Certain preservatives and disinfectants, &c. No. 69,722; June 30; Gaz. vol. 134; p. 2243.
- Atlas Preservative Company, Limited, London, England. Certain paints. No. 69,767; July 7; Gaz. vol. 135; p. 213.
- Atmore & Son, Philadelphia, Pa. Mince-meat. Nos. 67,038-9; Jan. 14; Gaz. vol. 132; p. 462.
- Atmore & Son, Philadelphia, Pa. Plum-pudding. No. 67,148; Jan. 21; Gaz. vol. 132; p. 673.
- Atwell, Eli, Mountaine, N. Y. Powdered detergent hand-cleaning preparation. No. 70,143; Aug. 4; Gaz. vol. 135; p. 1117.
- Aughinbaugh Canning Co., Baltimore, Md. Canned fruits and vegetables. No. 68,404; Apr. 7; Gaz. vol. 133; p. 1429.
- Aughinbaugh Caramel Company, Indianapolis, Ind. Candy. No. 67,560; Feb. 11; Gaz. vol. 132; p. 1313.
- Augusta Brewing Co., Augusta, Ga. Birch-beer, a non-alcoholic beverage. No. 69,007; May 12; Gaz. vol. 134; p. 511.
- Augusta Brewing Co., Augusta, Ga. Non-intoxicating carbonated beverage. No. 69,351; June 9; Gaz. vol. 134; p. 1557.
- Ault & Wiborg Co., Cincinnati, Ohio. Printing-ink. No. 68,056; Mar. 3; Gaz. vol. 133; p. 225.
- Ault & Wiborg Company, Cincinnati, Ohio. Printing-ink. No. 68,489; Apr. 14; Gaz. vol. 133; p. 1673.
- Aurness, P. A., Minneapolis, Minn. Stethoscopes. No. 67,455; Feb. 4; Gaz. vol. 132; p. 1066.
- Aurora Corset Company, Aurora, Ill. Corsets. No. 69,314; June 2; Gaz. vol. 134; p. 1294.
- Aurora Mantle Manufg. Co., Aurora, Ill. Certain lighting apparatus. No. 66,977; Jan. 7; Gaz. vol. 132; p. 227.
- Austin Biscuit Company, Chelsea, Mass. Bread, crackers, and cake. No. 68,131; Mar. 10; Gaz. vol. 133; p. 508.
- Austin and Stone Incorporated, Attleboro, Mass. Plated chains and bracelets. No. 69,326; June 9; Gaz. vol. 134; p. 1557.
- Austin-Walker Company, Boston, Mass. Pompadour-rolls. No. 69,976; July 21; Gaz. vol. 135; p. 658.
- Austin-Walker Company, Boston, Mass. Ladies' ornamented combs. No. 70,457; Sept. 1; Gaz. vol. 136; p. 222.
- Austro-American Separator Co., Cleveland, Ohio. Gravity-filtering liquid-separators. No. 71,586; Dec. 1; Gaz. vol. 137; p. 1235.
- Auto Igniter Company, New York, N. Y. Pocket self-igniting devices and parts thereof. No. 69,907; July 14; Gaz. vol. 135; p. 446.
- Auto-Safety Electric Switch Co., Montreal, Quebec, Canada. Electric switches. No. 68,816; Apr. 28; Gaz. vol. 133; p. 2176.
- Automatic Disinfecting Co., Minneapolis, Minn. Powdered disinfecting and cleaning preparation. No. 69,207; May 26; Gaz. vol. 134; p. 1046.
- Automatic Utilities Company, New York, N. Y. Razors. No. 68,718; Apr. 28; Gaz. vol. 133; p. 2173.
- Autopiano Company, New York, N. Y. Automatic piano-players. No. 69,922; July 21; Gaz. vol. 135; p. 657.
- Autotone Co., New York, N. Y. Certain musical instruments. No. 71,198; Nov. 10; Gaz. vol. 137; p. 469.
- Axton-Fisher Tobacco Company, Louisville, Ky. Chewing and smoking tobacco. No. 70,072; July 28; Gaz. vol. 135; p. 890.
- Aydelott, A. C., McKenzie, Tenn. Certain toilet preparations. No. 68,950; May 12; Gaz. vol. 134; p. 509.
- B. B. Gloss Manufacturing Co., Ridgewood, N. Y. Tablets for glossing washable articles. No. 71,923; Dec. 22; Gaz. vol. 137; p. 1934.
- B. D. Rising Paper Company, Housatonic, Mass. Fine writing-paper. No. 68,719; Apr. 28; Gaz. vol. 133; p. 2173.
- B. F. Copeland Co., Boston, Mass. Remedy for infective diseases. No. 69,256; June 2; Gaz. vol. 134; p. 1293.
- B. F. Goodrich Company, Akron, Ohio. Certain belting. No. 67,066; Jan. 14; Gaz. vol. 132; p. 462.
- B. F. Goodrich Company, Akron, Ohio. Certain rubber goods. No. 67,149; Jan. 21; Gaz. vol. 132; p. 673.
- B. L. Ryder Company, Chambersburg, Pa. Evaporators for fruits and vegetables. No. 69,057; May 19; Gaz. vol. 134; p. 769.
- B. S. Flersheim Mercantile Co., Kansas City, Mo. Bitters and medicinal cordials. No. 67,020; Jan. 14; Gaz. vol. 132; p. 461.
- Babcock, M. L., New York, N. Y. Talcum powder, face-bleach, and tooth-powder. No. 70,933; Oct. 20; Gaz. vol. 136; p. 1763.
- Bach Bros. & Katzenstein, New York, N. Y. Rag dolls. No. 71,372; Nov. 24; Gaz. vol. 137; p. 971.
- Bach, E., Taylorville, Ill. Liniment. Nos. 71,702-3; Dec. 15; Gaz. vol. 137; p. 1703.
- Bachmann-Bechtel Brewing Company, Rosebank, N. Y. Beer, ale, and porter. No. 70,905; Oct. 13; Gaz. vol. 136; p. 1528.
- Bachmann Brothers, Philadelphia, Pa. Hair-pins. No. 69,223; May 26; Gaz. vol. 134; p. 1046.
- Bacon, M. J., Camden, N. J. Certain medicines. No. 68,343; Mar. 31; Gaz. vol. 133; p. 1183.
- Badham, C. J., Dunedin, New Zealand. Fluid for polishing linoleum, furniture, and tan leather. No. 70,501; Sept. 8; Gaz. vol. 136; p. 433.
- Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Certain chemicals. No. 67,964; Mar. 3; Gaz. vol. 133; p. 223.
- Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Dyestuffs, including indigo and indigo preparations, coal-tar dyes. No. 67,965; Mar. 3; Gaz. vol. 133; p. 223.
- Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Certain chemicals. No. 71,349; Nov. 17; Gaz. vol. 137; p. 729.
- Baer, L. D., New York, N. Y. Wearing-apparel and fur articles. Nos. 71,006-7; Oct. 27; Gaz. vol. 136; p. 1995.
- Bafo Leather Paste Company, New York, N. Y. Leather-dressing. No. 69,327; June 9; Gaz. vol. 134; p. 1557.
- Bagot & Co., F., Paris, France. Soaps. No. 70,175; Aug. 11; Gaz. vol. 135; p. 1357.
- Bailey, C. J., Boston, Mass. Water-bottles made of rubber. No. 69,826; July 7; Gaz. vol. 135; p. 214.
- Bailhache, A. L., Racine, Wis. Certain jewelry and precious-metal ware. No. 68,856; May 5; Gaz. vol. 134; p. 251.
- Baillie-Lemaire & Fils, Paris, France. Opera-glasses, marine-glasses, and field-glasses. No. 70,566; Sept. 15; Gaz. vol. 136; p. 653.
- Baines, F. E. V., Blackheath, England. Machines for sharpening pencils. No. 67,005; Jan. 14; Gaz. vol. 132; p. 461.
- Baines, F. E. V., Blackheath, England. Devices for sharpening pencils, having a cutting edge. No. 70,782; Oct. 6; Gaz. vol. 136; p. 1293.
- Baird, W. C., New York, N. Y. Fire-escapes. No. 67,754; Feb. 18; Gaz. vol. 132; p. 1580.
- Baker, F. W., Georgetown, Mass. Leather boots and shoes. No. 69,300; June 2; Gaz. vol. 134; p. 1294.
- Baker, G. H., New Haven, Conn. Certain enamel. No. 69,436; June 16; Gaz. vol. 134; p. 1797.
- Baker, G. H., New Haven, Conn. Enamel for polishing metal. No. 71,704; Dec. 15; Gaz. vol. 137; p. 1703.
- Baker, J., Hoopston, Ill. Tomato scalding and washing machines. No. 70,322; Aug. 25; Gaz. vol. 135; p. 1797.
- Baker, P. D., Atlanta, Ga. Iron beds. No. 71,324; Nov. 17; Gaz. vol. 137; p. 728.
- Baker and Sons, G., New York, N. Y. Leather shoes. No. 68,328; Mar. 31; Gaz. vol. 133; p. 1183.
- Bakteriologisk Laboratorium, Neumann & Co., i Aalborg, Aalborg, Denmark. Bacteriological preparations for the extermination of rats and mice. No. 69,723; June 30; Gaz. vol. 134; p. 2240.
- Bailly, M., St. Etienne, Loire, France. Ribbons. No. 68,370; Mar. 31; Gaz. vol. 133; p. 1184.
- Baldwin, Knowlton & Lake, Memphis, Tenn. Wheat-flour, tea, and hams. No. 70,066; July 28; Gaz. vol. 135; p. 890.
- Baltimore Chewing Gum Co., Baltimore, Md. Chewing-gum. No. 66,916; Jan. 7; Gaz. vol. 132; p. 225.
- Baltimore Chewing Gum Co., Baltimore, Md. Chewing-gum. No. 68,434; Apr. 7; Gaz. vol. 133; p. 1430.
- Bamberger & Co., J. W., München, Germany. Type-writing machines. No. 67,456; Feb. 4; Gaz. vol. 132; p. 1067.
- Banana Polish Co., Napoleon, Mich. Polish for varnished surfaces. No. 71,872; Dec. 22; Gaz. vol. 137; p. 1933.
- Banner Electric Company, Youngstown, Ohio. Incandescent electric lamps. No. 70,124; Aug. 4; Gaz. vol. 135; p. 1117.
- Banta & Son, F. J., Lima, Ohio. Chewing-gum. No. 70,981; Oct. 20; Gaz. vol. 136; p. 1764.
- Barbaro, V. F., Springfield, Ill. Soft, white, sweet, cream mixture to be used in manufacturing candies. No. 70,906; Oct. 13; Gaz. vol. 136; p. 1528.
- Barber Asphalt Paving Company, Philadelphia, Pa. Certain bituminous compounds. No. 71,862; Dec. 15; Gaz. vol. 137; p. 1707.
- Barber Asphalt Paving Company, Philadelphia, Pa. Certain roofing and bituminous compounds. No. 71,934; Dec. 22; Gaz. vol. 137; p. 1934.
- Barber Asphalt Paving Company, Philadelphia, Pa. Asphaltic paints. No. 72,036; Dec. 29; Gaz. vol. 137; p. 2214.
- Barber Milling Company, Minneapolis, Minn. Wheat-flour. No. 69,623; June 23; Gaz. vol. 134; p. 2025.
- Barber Milling Company, Minneapolis, Minn. Wheat-flour. No. 70,531; Sept. 8; Gaz. vol. 136; p. 434.
- Barclay & Barclay, New York, N. Y. Soap. No. 69,175; May 26; Gaz. vol. 134; p. 1045.
- Barclay & Barclay, New York, N. Y. Medicated preparation for the hair, scalp, and skin. No. 69,389; June 9; Gaz. vol. 134; p. 1555.
- Barclay & Barclay, New York, N. Y. Pills. No. 69,488; June 16; Gaz. vol. 134; p. 1798.
- Barclay & Barclay, New York, N. Y. Certain toilet preparations. No. 69,798; July 7; Gaz. vol. 135; p. 214.

Alphabetical list of registrants of trade-marks—Continued.

- Barclay & Barclay, New York, N. Y. Medicated preparation for the hair, scalp, and skin. No. 71,363; Nov. 17; Gaz. vol. 137; p. 729.
- Bardell & Schick, Joliet, Ill. Liniments and unguents. No. 67,350; Jan. 28; Gaz. vol. 132; p. 838.
- Bare, W. S., Lititz, Pa. Cigars. No. 68,563; Apr. 14; Gaz. vol. 133; p. 1675.
- Barella, Firm of P. F. W., Berlin, Germany. Stomachic powder. No. 67,890; Feb. 25; Gaz. vol. 132; p. 1832.
- Barker, M. W., Clarksville, Tenn. Liniment. No. 70,712; Sept. 29; Gaz. vol. 136; p. 1063.
- Barlow, M. S., Newkirk, Okla. Remedy for certain diseases. No. 68,603; Apr. 21; Gaz. vol. 133; p. 1929.
- Barnaby Manufacturing Co., Fall River, Mass. Certain piece goods. No. 71,083; Oct. 27; Gaz. vol. 136; p. 1997.
- Barnes & Hille, Philadelphia, Pa. Antiseptics. No. 69,328; June 9; Gaz. vol. 134; p. 1557.
- Barnes & Hille, Philadelphia, Pa. Tonics. No. 69,377; June 9; Gaz. vol. 134; p. 1558.
- Barnhart Mercantile Co., St. Louis, Mo. Shelled and unshelled peanuts. No. 69,697; June 30; Gaz. vol. 134; p. 2240.
- Barrett Manufacturing Company, New York, N. Y. Felt roofing, and sheathing and building paper. Nos. 70,358-9; Aug. 25; Gaz. vol. 135; p. 1798.
- Barrett Manufacturing Company, New York, N. Y. Felt roofing. No. 70,698; Sept. 29; Gaz. vol. 136; p. 1063.
- Barrett Manufacturing Company, New York, N. Y. Felt roofing. No. 71,325; Nov. 17; Gaz. vol. 137; p. 728.
- Barron, J. S., New York, N. Y. Hand-buckets. No. 71,587; Dec. 1; Gaz. vol. 137; p. 1233.
- Bartels Manufacturing Company, New York, N. Y. Hand and household soap in paste form. No. 70,854; Oct. 13; Gaz. vol. 136; p. 1527.
- Barth & Myer, Oklahoma, Okla. Certain clothing. No. 67,926; Feb. 25; Gaz. vol. 132; p. 1833.
- Barton and Patrick, Philadelphia, Pa. Laxatives. No. 69,943; July 21; Gaz. vol. 135; p. 657.
- Barton Vineyard Company, Limited, Fresno, Cal. Brandy. No. 68,564; Apr. 14; Gaz. vol. 133; p. 1675.
- Barton Vineyard Company, Limited, Fresno, Cal. Certain wines. No. 68,681; Apr. 21; Gaz. vol. 133; p. 1931.
- Bart, Wygant & Brown, Inc., Hornell, N. Y. Certain machinery. No. 69,658; June 30; Gaz. vol. 134; p. 2239.
- Basler & Co., J., Paris, France. Natural silicates used in manufacture for clarifying oils. No. 69,329; June 9; Gaz. vol. 134; p. 1557.
- Basler & Co., J., Paris, France. India-rubber regenerated from rubber waste. Nos. 70,542-3; Sept. 15; Gaz. vol. 136; p. 653.
- Bass & Co., W. T., Norfolk, Va. Coffees, teas, and spice. No. 68,413; Apr. 7; Gaz. vol. 133; p. 1430.
- Bass, D. J., Springfield, Mo. Non-alcoholic carbonated ginger beverage. No. 71,956; Dec. 22; Gaz. vol. 137; p. 1935.
- Bass-Hueter Paint Company, San Francisco, Cal. Disinfectant. No. 70,092; July 28; Gaz. vol. 135; p. 890.
- Bateman Manufacturing Company, Grenloch, N. J. Certain agricultural machinery. No. 68,826; Apr. 28; Gaz. vol. 133; p. 2176.
- Bates, R. N., Ottawa, Ontario, Canada. Pills. No. 69,724; June 30; Gaz. vol. 134; p. 2241.
- Battrell-Whittinghill Shoe Company, St. Joseph, Mo. Leather and canvas shoes. Nos. 70,328-9; Aug. 25; Gaz. vol. 135; p. 1797.
- Bauer & Dürschmidt, Markneukirchen, Germany. Musical strings. No. 70,125; Aug. 4; Gaz. vol. 135; p. 1117.
- Baumgarten, A. G., New Rochelle, N. Y. Certain toilet preparations. Nos. 67,507-10; Feb. 4; Gaz. vol. 132; p. 1068.
- Bay State Belting Co., Boston, Mass. Leather belting and lacing for belting. No. 69,021; May 12; Gaz. vol. 134; p. 511.
- Bay State Cigar Company, Westfield, Mass. Cigars. No. 70,594; Sept. 15; Gaz. vol. 136; p. 654.
- Bay State Milling Co., Boston, Mass. Wheat-flour. No. 67,703; Feb. 18; Gaz. vol. 132; p. 1579.
- Bay State Optical Company, Attleboro, Mass. Spectacles, eyeglasses, and their mountings and parts. No. 69,164; May 26; Gaz. vol. 134; p. 1045.
- Bayless Fruit Co., Lexington, Ky. Certain fresh fruits. No. 67,524; Feb. 4; Gaz. vol. 132; p. 1068.
- Beadleston & Woerz, New York, N. Y. Ale, porter, lager-beer, and stout. No. 67,351; Jan. 28; Gaz. vol. 132; p. 838.
- Beadleston & Woerz, New York, N. Y. Beer, ale, porter, and stout. Nos. 67,662-3; Feb. 11; Gaz. vol. 132; p. 1316.
- Beadleston & Woerz, New York, N. Y. Beer, ale, porter, and stout. No. 67,946; Feb. 25; Gaz. vol. 132; p. 1833.
- Beagle Hame Works, Freeiland, Pa. Wooden hames. No. 67,220; Jan. 21; Gaz. vol. 132; p. 675.
- Beal & Hanscom, Haverhill, Mass. Leather boots and shoes. Nos. 69,977-8; July 21; Gaz. vol. 135; p. 658.
- Beam, C. M., Charlotte, N. C. Devices for holding the tongue and cheek out of the way in filling and treating teeth. No. 70,651; Sept. 22; Gaz. vol. 136; p. 843.
- Bearns, J. H., New York, N. Y. Powder for cleaning and polishing. No. 70,544; Sept. 15; Gaz. vol. 136; p. 653.
- Beasley Harwood Shoe Co. Inc., Lynchburg, Va. Leather boots and shoes. Nos. 68,181-2; Mar. 10; Gaz. vol. 133; pp. 509-10.
- Beasley-Harwood Shoe Co. Inc., Lynchburg, Va. Leather boots and shoes. No. 70,182; Aug. 11; Gaz. vol. 135; p. 1357.
- Beatty, R. P., assignor to Beatty Stamping Company, Cleveland, Ohio. Metallic garment-hangers. No. 67,625; Feb. 11; Gaz. vol. 132; p. 1315.
- Beatty Stamping Company. (See Beatty, R. P., assignor.)
- Bebb, M. J., Xenia, Ohio. Chemical compound for cleansing straw. No. 69,908; July 14; Gaz. vol. 135; p. 447.
- Beber, F., Jersey City, N. J. Cigars. No. 69,002; June 23; Gaz. vol. 134; p. 2024.
- Becker, H., London, England. Starch for laundry purposes and blue for laundry purposes. No. 68,082; Mar. 10; Gaz. vol. 133; p. 507.
- Becker, S., Cincinnati, Ohio. Paste for dry-cleaning garments. No. 70,784; Oct. 6; Gaz. vol. 136; p. 1293.
- Beckmann & Co., A. F., New York, N. Y. Certain foods. No. 67,588; Feb. 11; Gaz. vol. 132; p. 1314.
- Bedford Medicine Co., Bedford, Ind. Remedy for certain diseases. No. 71,498; Dec. 1; Gaz. vol. 137; p. 1231.
- Beehler, W. H., Baltimore, Md. Umbrellas and parasols. No. 71,276; Nov. 17; Gaz. vol. 137; p. 727.
- Beetem & Son, E. C., Philadelphia, Pa. Carpets and rugs. No. 71,041; Oct. 27; Gaz. vol. 136; p. 1996.
- Beetem & Son, E. C., Philadelphia, Pa. Rag rugs and rag carpets. Nos. 71,277-8; Nov. 17; Gaz. vol. 137; p. 727.
- Begy Company, J. A. (See Begy, J. A., assignor.)
- Begy, J. A., assignor to J. A. Begy Company, Rochester, N. Y. Remedies for relief of pain, lameness, and soreness. No. 70,635; Sept. 22; Gaz. vol. 136; p. 843.
- Beliersdorf & Co., P., Hamburg, Germany. Certain medicines and toilet preparations. No. 68,604; Apr. 21; Gaz. vol. 133; p. 1929.
- Belfast Linen Handkerchief Co., Ltd., Belfast, Ireland, and New York, N. Y. Linen and cambric handkerchiefs. No. 71,846; Dec. 15; Gaz. vol. 137; p. 1707.
- Belknap Hardware and Manufacturing Co., Louisville, Ky. Felt roofing. No. 68,595; Apr. 21; Gaz. vol. 133; p. 1929.
- Belknap Hardware and Manufacturing Co., Louisville, Ky. Certain tools and handles. No. 70,312; Aug. 18; Gaz. vol. 135; p. 1579.
- Belknap Hardware and Manufacturing Company, Louisville, Ky. Axle-grease. No. 71,424; Nov. 24; Gaz. vol. 137; p. 973.
- Belknap Hardware & Mfg. Co., Louisville, Ky. Stoves and ranges. No. 67,150; Jan. 21; Gaz. vol. 132; p. 673.
- Bell Hosiery Company, Philadelphia, Pa. Hosiery. No. 71,425; Nov. 24; Gaz. vol. 137; p. 973.
- Bell-Wart Manufacturing Company, New York, N. Y. Antiseptic foot-powder. No. 67,202; Jan. 21; Gaz. vol. 132; p. 675.
- Bellak's Sons, J., Philadelphia, Pa. Certain musical instruments and supplies. Nos. 69,315-16; June 2; Gaz. vol. 134; p. 1295.
- Bellak's Sons, J., Philadelphia, Pa. Certain musical instruments, parts, and supplies. No. 70,459; Sept. 1; Gaz. vol. 136; p. 222.
- Bellman & Co., A. B., Chicago, Ill. Preparations for improving and fluffing the hair. No. 67,991; Mar. 3; Gaz. vol. 133; p. 223.
- Belvin, P., Richmond, Va. Blackboards. No. 68,975; May 12; Gaz. vol. 134; p. 510.
- Ben Strauss Company, New York, N. Y. Leather and fabric gloves. No. 71,427; Nov. 24; Gaz. vol. 137; p. 973.
- Bendix, V., Chicago, Ill. Automobiles. No. 69,827; July 7; Gaz. vol. 135; p. 214.
- Benjamin, G., New York, N. Y. Remedy for acute bronchitis and cough. No. 69,127; May 19; Gaz. vol. 134; p. 771.
- Benjamin & Gee, London, England. Adhesive liquid cement. No. 71,218; Nov. 10; Gaz. vol. 137; p. 470.
- Benjamin, L., New York, N. Y. Icing for cakes. No. 70,323; Aug. 25; Gaz. vol. 135; p. 1797.
- Benjamin Moore & Company, Brooklyn, N. Y. Dry powder for non-washable wall-finish. No. 69,301; June 2; Gaz. vol. 134; p. 1294.
- Benners, E. H., New York, N. Y. Car-trucks and parts thereof. No. 68,989; May 12; Gaz. vol. 134; p. 510.
- Bennett Company, Omaha, Nebr. Baking-powder. No. 67,009; Jan. 14; Gaz. vol. 132; p. 461.
- Bennett Company, Omaha, Nebr. Butter. No. 67,171; Jan. 21; Gaz. vol. 132; p. 674.
- Bennett Company, Omaha, Nebr. Maple-syrup. No. 67,172; Jan. 21; Gaz. vol. 132; p. 674.
- Benson, R. L., Chicago, Ill. Atomizing apparatus for medicinal use. No. 70,785; Oct. 6; Gaz. vol. 136; p. 1293.
- Bent, G. P., Chicago, Ill. Interior player pianos. No. 69,644; June 23; Gaz. vol. 134; p. 2025.
- Berg, E. C., Chicago, Ill. Teething-syrup. No. 71,350; Nov. 17; Gaz. vol. 137; p. 729.
- Berger Manufacturing Company, Canton, Ohio. Sidewalk, vault, sky, and floorlights. No. 71,253; Nov. 10; Gaz. vol. 137; p. 471.
- Bergeron & Bergeron, Baltimore, Md. Salve. No. 70,595; Sept. 15; Gaz. vol. 136; p. 654.
- Berkshire White Portland Cement Company, Portland, Me.; Clayton, Mass., and New York, N. Y. Portland cement. No. 68,795; Apr. 28; Gaz. vol. 133; p. 2175.
- Bernard, G. A., New York, N. Y. Printed books, pamphlets, and magazines. No. 67,098; Jan. 14; Gaz. vol. 132; p. 463.
- Bernhard & Co., D., Boston, Mass. Non-intoxicating carbonated beverages. No. 69,058; May 19; Gaz. vol. 134; p. 769.
- Bernstein, M., New York, N. Y. Sweat-shields and belts. No. 70,825; Oct. 6; Gaz. vol. 136; p. 1294.
- Bertram, C. A., Chicago, Ill. Temporary filling for teeth. No. 68,356; Mar. 31; Gaz. vol. 133; p. 1184.
- Berwind White Coal Mining Company, Philadelphia, Pa. Coal. No. 68,284; Mar. 24; Gaz. vol. 133; p. 987.
- Besly, C. H., Chicago, Ill. Letter and document files. No. 68,451; Apr. 4; Gaz. vol. 133; p. 1431.
- Best, G. B., Englewood, N. J. Remedy for certain diseases. No. 68,236; Mar. 17; Gaz. vol. 133; p. 758.
- Best Manufacturing Co., Pittsburg, Pa. Certain plumbing supplies. No. 71,797; Dec. 15; Gaz. vol. 137; p. 1705.
- Beston, R. S., New York, N. Y. Canned Bartlett-pears. No. 67,041; Jan. 14; Gaz. vol. 132; p. 462.
- Bible & Fitch, New York, N. Y. Trade magazines and trade journals. No. 67,325; Jan. 28; Gaz. vol. 132; p. 837.
- Bickings, W. A., Washington, D. C. Puzzles. No. 71,042; Oct. 27; Gaz. vol. 136; p. 1996.

Alphabetical list of registrants of trade-marks—Continued.

- Biechele, J., Canton, Ohio. Soap. No. 68,903; May 5; Gaz. vol. 134; p. 252.
 Biechele, J., Canton, Ohio. Medicated soap. No. 68,904; May 5; Gaz. vol. 134; p. 252.
 Biehle, C. J., St. Louis, Mo. Rye bread. No. 68,158; Mar. 10; Gaz. vol. 133; p. 509.
 Bielefeld & Spahn, New York, N. Y. Leather shoes. No. 67,221; Jan. 21; Gaz. vol. 132; p. 675.
 Bienville Brewery, Mobile, Ala. Beer. No. 68,869; May 5; Gaz. vol. 134; p. 251.
 Biggs & Co., S. R., Williamston, N. C. Syrup for making beverages. No. 71,798; Dec. 15; Gaz. vol. 137; p. 1705.
 Binghamton Shoe & Rubber Co., Binghamton, N. Y. Rubber and leather boots and shoes. No. 71,176; Nov. 10; Gaz. vol. 137; p. 469.
 Binkley, M. B., Dayton, Ohio. Soaps. No. 70,423; Sept. 1; Gaz. vol. 136; p. 221.
 Birkhead, S. J., Baltimore, Md. Ointment for the treatment of rectal diseases. No. 68,344; Mar. 31; Gaz. vol. 133; p. 1183.
 Bird & Co., J. A. & W., Boston, Mass. Waterproofed roofing and sheathing fabric. No. 70,567; Sept. 15; Gaz. vol. 136; p. 653.
 Bird & Co., J. A. & W., Boston, Mass. Flexible composition flooring. No. 70,568; Sept. 15; Gaz. vol. 136; p. 653.
 Bird & Co., J. A. & W., Boston, Mass. Waterproofed roofing fabric. No. 70,569; Sept. 15; Gaz. vol. 136; p. 653.
 Bird & Son, F. W., East Walpole, Mass. Roofing-paper. No. 67,992; Mar. 3; Gaz. vol. 133; p. 224.
 Birkin & Co., Nottingham, England. Certain cotton laces. No. 67,697; Feb. 18; Gaz. vol. 132; p. 1579.
 Birmingham Fertilizer Company, Birmingham, Ala. Fertilizers. No. 69,236; May 26; Gaz. vol. 134; p. 1047.
 Birmingham Fertilizer Company, Birmingham, Ala. Fertilizers. No. 71,126; Nov. 3; Gaz. vol. 137; p. 224.
 Birmingham Small Arms Co., Limited, Small Heath, near Birmingham, England. Rifles, shotguns, revolvers, and pistols, and parts for same. No. 68,285; Mar. 24; Gaz. vol. 133; p. 987.
 Birmingham Small Arms Co., Limited, Small Heath, near Birmingham, England. Certain vehicles and parts thereof. No. 69,725; June 30; Gaz. vol. 134; p. 2241.
 Birmingham Small Arms Co., Limited, Small Heath, near Birmingham, England. Certain machines. No. 70,339; Aug. 25; Gaz. vol. 135; p. 1797.
 Birresborner Mineralbrunnen H. Löhr & Eylert, Dusseldorf, Germany. Natural mineral waters. No. 69,944; July 21; Gaz. vol. 135; p. 657.
 Birresborner Mineralbrunnen H. Löhr & Eylert, Dusseldorf, Germany. Natural carbonated mineral waters. No. 71,326; Nov. 17; Gaz. vol. 137; p. 728.
 Bischoff & Co., C., New York, N. Y. Antiseptic preparations. No. 69,955; July 21; Gaz. vol. 135; p. 658.
 Bischoff, E., New York, N. Y. Aperient and laxative medicines. No. 69,569; June 23; Gaz. vol. 134; p. 2023.
 Bischoff, L., Philadelphia, Pa. Poultry fountains, cups, and feeders. No. 69,726; June 30; Gaz. vol. 134; p. 2241.
 Bisi, E., executrix. (See Bisi, E.)
 Bisi, E., deceased; E. Bisi, Carnegie, Pa., executrix. Macaroni and vermicelli. No. 67,993; Mar. 3; Gaz. vol. 133; p. 224.
 Black, A. S., Montclair, N. J. Toilet balm. No. 67,131; Jan. 21; Gaz. vol. 132; p. 673.
 Black Cat Polish Co., Buffalo, N. Y. Shoe-polish. No. 70,176; Aug. 11; Gaz. vol. 135; p. 1357.
 Black Drug and Chemical Company, Akron, Ohio. Certain extracts. No. 67,609; Feb. 11; Gaz. vol. 132; p. 1315.
 Black Drug and Chemical Company, Akron, Ohio. Certain beverage. No. 68,414; Apr. 7; Gaz. vol. 133; p. 1430.
 Black, E. K., Austin, Tex. Insecticide. No. 71,499; Dec. 1; Gaz. vol. 137; p. 1231.
 Black Hawk Coffee & Spice Company, Waterloo, Iowa. Coffee. Nos. 67,561-2; Feb. 11; Gaz. vol. 132; p. 1313.
 Black, J. W., Clinton, Iowa. Remedy for diseases of the scalp. No. 68,836; May 5; Gaz. vol. 134; p. 252.
 Blackall and Baldwin Company, New York, N. Y. Vacuum cleaning apparatus. No. 71,043; Oct. 27; Gaz. vol. 136; p. 1996.
 Blackburn, I. R., Dayton, Ohio. Compound medicinal preparation for internal use for the blood. No. 68,237; Mar. 17; Gaz. vol. 133; p. 758.
 Blackburn Products Company, Dayton, Ohio. Cathartic pills. No. 70,621; Sept. 15; Gaz. vol. 136; p. 655.
 Blackman, J. N., East Orange, N. J. Lubricants. No. 68,471; Apr. 14; Gaz. vol. 133; p. 1673.
 Blackwell, C. B., Statesville, N. C. Yeast. No. 67,307; Jan. 28; Gaz. vol. 132; p. 837.
 Blaine, W. F., Denver, Colo. Preparations for cleaning and polishing. No. 71,500; Dec. 1; Gaz. vol. 137; p. 1231.
 Blair, J., New York, N. Y. Stylographic and fountain pens. No. 71,543; Dec. 1; Gaz. vol. 137; p. 1232.
 Blake McCall Company, Portland, Oreg. Printing and wrapping or uncalendered paper. No. 71,677; Dec. 8; Gaz. vol. 137; p. 1479.
 Blake, Moffit & Towne, San Francisco, Cal. Bond and writing paper. No. 71,219; Nov. 10; Gaz. vol. 137; p. 470.
 Blanchard Mfg. & Canning Co., Eastport, Me. American sardines in cotton-seed oil. No. 70,330; Aug. 25; Gaz. vol. 135; p. 1797.
 Blanchard Mfg. & Canning Co., Eastport, Me. Sardines in cotton-seed oil. No. 70,950; Oct. 20; Gaz. vol. 136; p. 1763.
 Blanke-Baer Chemical Co., St. Louis, Mo. Ginger-ale. No. 67,222; Jan. 21; Gaz. vol. 132; p. 675.
 Blanke-Wencker Candy Co., St. Louis, Mo. Candy. No. 69,059; May 19; Gaz. vol. 134; p. 769.
 Blanton Manufacturing Company, St. Louis, Mo. Oleomargarin. No. 69,352; June 9; Gaz. vol. 134; p. 1557.
 Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft, Nuremberg, Germany. Pencils, erasing-rubber, and penholders. No. 67,088; Jan. 14; Gaz. vol. 132; p. 463.
 Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft, Nuremberg, Germany. Pencils and erasing-rubber. No. 67,089; Jan. 14; Gaz. vol. 132; p. 463.
 Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft, Nuremberg, Germany. Certain pencils. No. 67,090; Jan. 14; Gaz. vol. 132; p. 463.
 Bleistiftfabrik vormals Johann Faber Actien Gesellschaft, Nuremberg, Germany. Pencils, penholders, rubber erasers, and pencil-holders. No. 71,572; Dec. 1; Gaz. vol. 137; p. 1233.
 Bliss Syrup Refining Co., Kansas City, Mo. Certain syrups. No. 71,573; Dec. 1; Gaz. vol. 137; p. 1233.
 Block Brothers Clothing Company, St. Joseph, Mo. Overcoats, coats, vests, and trousers. No. 67,229; Jan. 28; Gaz. vol. 132; p. 835.
 Block Light Company, Brooklyn, N. Y. Inverted gas-mantles. No. 70,093; July 28; Gaz. vol. 135; p. 890.
 Block & Sons, E., Cincinnati, Ohio. Whisky. No. 67,626; Feb. 11; Gaz. vol. 132; p. 1315.
 Blodgett & Orswell Co., Pawtucket, R. I. Cotton thread. Nos. 69,117-21; May 19; Gaz. vol. 134; p. 771.
 Blodgett & Orswell Co., Pawtucket, R. I. Cotton thread. No. 71,177; Nov. 10; Gaz. vol. 137; p. 469.
 Blome Company, R. S., Chicago, Ill., and New York, N. Y. Concrete pavements. No. 71,863; Dec. 15; Gaz. vol. 137; p. 1707.
 Blood, E., Philadelphia, Pa. Hosiery. No. 70,340; Aug. 25; Gaz. vol. 135; p. 1797.
 Bloom, A., Chicago, Ill. Straight whisky. No. 70,907; Oct. 13; Gaz. vol. 136; p. 1529.
 Bloom, W., New York, N. Y. Jackets and outer skirts. No. 71,008; Oct. 27; Gaz. vol. 136; p. 1995.
 Boas Rodrigues et Cie., Paris, France. Acetylene and oil lighting apparatus. No. 67,042; Jan. 14; Gaz. vol. 132; p. 462.
 Boas Rodrigues et Cie., Paris, France. Acetylene-lighting apparatus and oil-lighting apparatus. No. 70,126; Aug. 4; Gaz. vol. 135; p. 1117.
 Boeck, A. A., New York, N. Y. Slatted shades. No. 69,549; June 23; Gaz. vol. 134; p. 2023.
 Boericke & Tafel, Philadelphia, Pa. Certain chemical preparations. No. 66,946; Jan. 7; Gaz. vol. 132; p. 226.
 Boerner, G., Buffalo, N. Y. Almond rings. No. 69,022; May 12; Gaz. vol. 134; p. 511.
 Bogart, C. C., Middletown, N. Y. Smoking and chewing tobacco, cigars, cigarettes, and cheroots. No. 67,525; Feb. 4; Gaz. vol. 132; p. 1068.
 Bohn & Bro., H. J., Chicago, Ill. Weekly magazine. No. 70,934; Oct. 20; Gaz. vol. 136; p. 1763.
 Bokschizky and Rotkowitz, New York, N. Y. Certain medicines and toilet preparations. No. 68,238; Mar. 17; Gaz. vol. 133; p. 758.
 Bomhard, H. C., Milwaukee, Wis. Stove-polish. No. 68,028; Mar. 3; Gaz. vol. 133; p. 224.
 Bomi-Anca Company, Lowell, Mass. Tonic medicines. No. 69,378; June 9; Gaz. vol. 134; p. 1558.
 Bonewell Medicine Co., Ltd., Detroit, Mich. Suppositories. No. 68,605; Apr. 21; Gaz. vol. 133; p. 1929.
 Bonner Portland Cement Company, Bonner Springs, Kans., and Kansas City, Mo. Portland cement. No. 70,193; Aug. 11; Gaz. vol. 135; p. 1357.
 Bonney, B. R., Lincoln, Nebr. Medicated salt for feeding to animals. No. 71,428; Nov. 24; Gaz. vol. 137; p. 973.
 Bonney Vise & Tool Works, Inc., Philadelphia, Pa. Wrenches and vises. No. 68,202; Mar. 17; Gaz. vol. 133; p. 757.
 Bonnie Bros., Louisville, Ky. Whisky. No. 68,641; Apr. 21; Gaz. vol. 133; p. 1930.
 Bonsall, S. W., New York, N. Y. Furniture and metal polish. No. 68,706; Apr. 28; Gaz. vol. 133; p. 2173.
 Boondas, P., New York, N. Y. Candy. No. 67,704; Feb. 18; Gaz. vol. 132; p. 1579.
 Boott Mills, Lowell, Mass. Bleached and unbleached cotton piece goods. Nos. 67,067-8; Jan. 14; Gaz. vol. 132; p. 462.
 Boott Mills, Lowell, Mass. Cotton piece goods. No. 67,069; Jan. 14; Gaz. vol. 132; p. 462.
 Boott Mills, Lowell, Mass. Bleached and unbleached cotton piece goods. No. 67,173; Jan. 21; Gaz. vol. 132; p. 674.
 Boott Mills, Lowell, Mass. Cotton piece goods. Nos. 67,174-5; Jan. 21; Gaz. vol. 132; p. 674.
 Boott Mills, Lowell, Mass. Cotton piece goods. Nos. 67,284-5; Jan. 28; Gaz. vol. 132; p. 836.
 Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. Caramels and chocolates. No. 67,546; Feb. 11; Gaz. vol. 132; p. 1313.
 Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. Caramel paste. No. 72,078; Dec. 29; Gaz. vol. 137; p. 2215.
 Borello Bros., San Rafael, Cal. Natural mineral waters and carbonated beverages. No. 67,326; Jan. 28; Gaz. vol. 132; p. 837.
 Borland, J. M., McKeesport, Pa. Shoe pastes and polishes. No. 70,331; Aug. 25; Gaz. vol. 135; p. 1797.
 Borsalino Giuseppe e Fratello Società Anonima, Alessandria, Italy. Gentlemen's felt derbies and soft-brimmed hats. No. 71,574; Dec. 1; Gaz. vol. 137; p. 1233.

Alphabetical list of registrants of trade-marks—Continued.

- Borsalino Giuseppe e Fratello Società Anonima, Alessandria, Italy. Certain hats. No. 71,575; Dec. 1; Gaz. vol. 137; p. 1233.
- Bosch, R., Stuttgart, Germany. Certain electrical apparatus. No. 67,863; Feb. 25; Gaz. vol. 132; p. 1831.
- Boston Incandescent Lamp Company, Danvers, Mass. Incandescent electric lamps. No. 68,565; Apr. 14; Gaz. vol. 133; p. 1675.
- Boston Rubber Company, Boston, Mass. Certain rubber goods. No. 67,806; Feb. 18; Gaz. vol. 132; p. 1582.
- Boston Rubber Shoe Company, Boston, Mass. Rubber boots and shoes. Nos. 67,457-8; Feb. 4; Gaz. vol. 132; p. 1067.
- Boston Wine & Spirits Co., Boston, Mass. Port and sherry wines. Nos. 67,731-40; Feb. 18; Gaz. vol. 132; p. 1580.
- Boston Wine & Spirits Co., Boston, Mass. Whisky, rum, gin, brandy, cocktails, and punches. Nos. 67,807-22; Feb. 18; Gaz. vol. 132; p. 1582.
- Bowen, S. B., Philadelphia, Pa. Adhesive cements. No. 67,610; Feb. 11; Gaz. vol. 132; p. 1315.
- Bowen, W. D., Richmond, Va. Medicine for certain diseases. No. 71,988; Dec. 29; Gaz. vol. 137; p. 2213.
- Bowerfand, H. J., Fort Wayne, Ind. Composition of matter for the treatment and filling of nerve-canals in teeth. No. 70,806; Oct. 6; Gaz. vol. 136; p. 1293.
- Bowers, J., Newark, N. J. Dispensing apparatus for liquids. No. 68,016; Mar. 3; Gaz. vol. 133; p. 224.
- Bowersock Mills & Power Co., Lawrence, Kans. Wheat-flour. No. 69,083; May 19; Gaz. vol. 134; p. 770.
- Bowman, W. Q., Hubbard City, Tex. Remedy for certain diseases. No. 68,951; May 12; Gaz. vol. 134; p. 509.
- Boyajian, K. M., Chicago, Ill. Nuts and nut-meats. No. 69,023; May 12; Gaz. vol. 134; p. 511.
- Boyd, J. R., Corpus Christi, Tex. Razors and pocket-knives. No. 67,611; Feb. 11; Gaz. vol. 132; p. 1315.
- Boyd, T. L., Chicago, Ill. Ham, bacon, and lard. No. 70,203; Aug. 11; Gaz. vol. 135; p. 1357.
- Boyer & Co., W. W., Baltimore, Md. Canned vegetables. No. 68,921; May 5; Gaz. vol. 134; p. 252.
- Braadland, J., Stavanger, Norway. Sardines. Nos. 68,511-12; Apr. 14; Gaz. vol. 133; p. 1674.
- Braadland, J., Stavanger, Norway. Sardines. No. 68,533; Apr. 14; Gaz. vol. 133; p. 1674.
- Braadland, J., Stavanger, Norway. Smoked sardines. Nos. 69,272-3; June 2; Gaz. vol. 134; p. 1293.
- Brackett & Co., W. D., Boston, Mass. Boots and shoes made of leather. No. 67,122; Jan. 14; Gaz. vol. 132; p. 464.
- Bradfield Regulator Co., Atlanta, Ga. Remedies for female use. Nos. 66,892-900; Jan. 7; Gaz. vol. 132; p. 225.
- Bradfield Regulator Co., Atlanta, Ga. Remedies for female use. No. 68,534; Apr. 14; Gaz. vol. 133; p. 1674.
- Bradford Dyers' Association, Limited, Bradford, England. Cloths and stuffs of wool, worsted, or hair. No. 71,935; Dec. 22; Gaz. vol. 137; p. 1934.
- Bradt, G., New York, N. Y. Purses, pocket-books, and hand-bags. No. 69,400; June 9; Gaz. vol. 134; p. 1559.
- Brady, E. B., Lowell, Mass. Chalk crayons. No. 69,257; June 2; Gaz. vol. 134; p. 1293.
- Branch, C. J., Philadelphia, Pa. Lamp shades and reflectors. No. 72,020; Dec. 29; Gaz. vol. 137; p. 2214.
- Brand Brothers Company, Chicago, Ill. Wine. No. 68,659; Apr. 21; Gaz. vol. 133; p. 1931.
- Braun, I. M., Tacoma, Wash. Medicines prepared from roots, barks, flowers, and fruits. No. 69,499; June 16; Gaz. vol. 134; p. 1799.
- Braunlich, C. W., Cleveland, Ohio. Remedy for certain diseases. No. 70,842; Oct. 13; Gaz. vol. 136; p. 1527.
- Braunstein & Cie., Paris, France. Cigarette-paper. Nos. 67,132-5; Jan. 21; Gaz. vol. 132; p. 673.
- Braunstein & Cie., Paris, France. Cigarette-paper. No. 67,240; Jan. 28; Gaz. vol. 132; p. 835.
- Bray, J. G., Laurium, Mich. Remedy for the treatment of rheumatism. No. 67,776; Feb. 18; Gaz. vol. 132; p. 1581.
- Breiding & Sohn, C., Soltau, Germany, and Newark, N. J. Leather boots and shoes. No. 68,566; Apr. 14; Gaz. vol. 133; p. 1675.
- Breiding & Sohn, C., Soltau, Germany, and Newark, N. J. Rubber boots and rubber shoes. No. 70,300; Aug. 18; Gaz. vol. 135; p. 1578.
- Brenner Candy Co., Green Bay, Wis. Chocolates. No. 69,034; May 19; Gaz. vol. 134; p. 769.
- Bresnahan, T. A., Lynn, Mass. Leather and canvas boots and shoes. No. 67,664; Feb. 11; Gaz. vol. 132; p. 1316.
- Breyman & Hübener, Hamburg, Germany. Lubricating-oils. Nos. 71,544-5; Dec. 1; Gaz. vol. 137; p. 1232.
- Bridge & Beach Manufacturing Company, St. Louis, Mo. Stoves and ranges. No. 67,901; Feb. 25; Gaz. vol. 132; p. 1832.
- Bridge & Beach Manufacturing Company, St. Louis, Mo. Stoves and ranges. No. 67,902; Feb. 25; Gaz. vol. 132; p. 1832.
- Bridge & Beach Manufacturing Company, St. Louis, Mo. Stoves and ranges. No. 68,057; Mar. 3; Gaz. vol. 133; p. 225.
- Bridge & Beach Manufacturing Company, St. Louis, Mo. Stoves and ranges. No. 68,183; Mar. 10; Gaz. vol. 133; p. 510.
- Bridge & Beach Manufacturing Company, St. Louis, Mo. Stoves and ranges. No. 68,263; Mar. 17; Gaz. vol. 133; p. 758.
- Bridgeport Brass Company, Bridgeport, Conn. Insulated wire. Nos. 69,985-6; July 21; Gaz. vol. 135; p. 658.
- Bridgeport Brass Company, Bridgeport, Conn. Bare or uncovered composition wire. Nos. 69,987-8; July 21; Gaz. vol. 135; p. 658.
- Bridgeport Brass Company, Bridgeport, Conn. Automobile, carriage, and bicycle lanterns. No. 70,094; July 28; Gaz. vol. 135; p. 890.
- Bridgeport Wood Finishing Company, New Milford, Conn. Wood-fillers. No. 70,183; Aug. 11; Gaz. vol. 135; p. 1357.
- Briggs Co., D. F., Attleboro, Mass. Chains for personal adornment. No. 68,029; Mar. 3; Gaz. vol. 133; p. 224.
- Brighton Chemical Co., Cincinnati, Ohio. Skin food. No. 70,095; July 28; Gaz. vol. 135; p. 890.
- Bristol-Myers Company, Brooklyn, N. Y. Medicine. No. 71,799; Dec. 15; Gaz. vol. 137; p. 1705.
- Brittain & Company, Marshalltown, Iowa. Hams and bacon. No. 70,951; Oct. 20; Gaz. vol. 136; p. 1763.
- Brixey, W. R., New York, N. Y. Insulated electric wires and cables and insulating-tape. No. 70,652; Sept. 22; Gaz. vol. 136; p. 843.
- Brockton Co-Operative Boot & Shoe Co., Brockton, Mass. Leather boots and shoes. No. 68,167; Mar. 10; Gaz. vol. 133; p. 509.
- Brokaw Bro's, New York, N. Y. Coats, vests, trousers, overcoats, collars and cuffs, gloves, and hats. No. 70,194; Aug. 11; Gaz. vol. 135; p. 1357.
- Bromund, E. A., New York, N. Y. Beeswax. Nos. 68,581-3; Apr. 21; Gaz. vol. 133; p. 1929.
- Bromund, E. A., New York, N. Y. Beeswax. No. 71,618; Dec. 8; Gaz. vol. 137; p. 1477.
- Brooke, C. M., Hoboken, N. J. Preparation of lemons. No. 68,345; Mar. 31; Gaz. vol. 133; p. 1183.
- Brookman Manufacturing Company, Chicago, Ill. Bird-seed and bird food. No. 68,226; Mar. 17; Gaz. vol. 133; p. 757.
- Brown, G. K., Chattanooga, Tenn. Maple pralines. No. 71,888; Dec. 22; Gaz. vol. 137; p. 1933.
- Brown, H. H., Philadelphia, Pa. Butter. No. 67,705; Feb. 18; Gaz. vol. 132; p. 1579.
- Brown, H. H., Philadelphia, Pa. Butter. No. 68,132; Mar. 10; Gaz. vol. 133; p. 508.
- Brown, H. S., Creston, Iowa. Piano and furniture polish. No. 69,923; July 21; Gaz. vol. 135; p. 657.
- Brown, H. V., Buffalo, N. Y. Linoleum. No. 69,760; July 7; Gaz. vol. 135; p. 213.
- Brownell Specialty Mfg. Co., Cincinnati, Ohio. Wheel-coaster. No. 69,865; July 14; Gaz. vol. 135; p. 445.
- Bruner, E., New York, N. Y. Certain chemicals. No. 67,547; Feb. 11; Gaz. vol. 132; p. 1313.
- Bruns Brothers Manufacturing Company, Kansas City, Mo. Metal-polish. No. 70,116; Aug. 4; Gaz. vol. 135; p. 1117.
- Buck Roofing Company, St. Louis, Mo. Felt roofing. No. 68,830; May 5; Gaz. vol. 134; p. 252.
- Buck & Toole Milling Co., Bloomfield, Mo. Wheat-flour. No. 70,173; Aug. 4; Gaz. vol. 135; p. 1118.
- Buckeye Electric Company, Cleveland, Ohio. Incandescent electric lamps. No. 70,043; July 28; Gaz. vol. 135; p. 889.
- Buckeye Match Company, North Baltimore, Ohio. Matches. No. 70,127; Aug. 4; Gaz. vol. 135; p. 1117.
- Bückle, G., Brooklyn, N. Y. Medicated bathing fluid. No. 70,713; Sept. 29; Gaz. vol. 136; p. 1063.
- Buck's Stove & Range Company, St. Louis, Mo. Certain stoves and heating apparatus. No. 70,128; Aug. 4; Gaz. vol. 135; p. 1117.
- Buckwalter Stove Co., Royersford, Pa. Stoves and parts thereof. No. 69,401; June 9; Gaz. vol. 134; p. 1559.
- Buckwalter Stove Co., Royersford, Pa. Stoves and parts thereof. No. 69,500; June 16; Gaz. vol. 134; p. 1793.
- Buegeleisen & Jacobson, New York, N. Y. Mandolins, guitars, banjos, and parts thereof. No. 68,041; Mar. 3; Gaz. vol. 133; p. 225.
- Buehler, J., Steubenville, Ohio. Beer. No. 68,740; Apr. 28; Gaz. vol. 133; p. 2174.
- Buffalo Weaving & Belting Co., Buffalo, N. Y. Rubber-covered fabric belting. Nos. 71,327-8; Nov. 17; Gaz. vol. 137; p. 728.
- Builders Iron Foundry, Providence, R. I. Water-meters. No. 67,950; Feb. 25; Gaz. vol. 132; p. 1833.
- Bullard & Gormley Co., Chicago, Ill. Fishing lines, reels, hooks, and flies. No. 67,244; Jan. 28; Gaz. vol. 132; p. 835.
- Bumgardner, J. A., Greenville, Va. Straight rye whisky. No. 70,622; Sept. 15; Gaz. vol. 136; p. 655.
- Bunte Brothers, Chicago, Ill. Candies and chocolate. No. 71,159; Nov. 3; Gaz. vol. 137; p. 225.
- Burger, H., New York, N. Y. Cigars, cheroots, and little cigars. No. 70,699; Sept. 29; Gaz. vol. 136; p. 1063.
- Burgess, H., St. Louis, Mo. Chemical sweeping compound. No. 71,800; Dec. 15; Gaz. vol. 137; p. 1705.
- Burke, F. G., New York, N. Y. Soaps and washing-powders. No. 68,707; Apr. 28; Gaz. vol. 133; p. 2173.
- Burlington Blanket Company, Burlington, Wis. Horse-blankets. No. 69,098; May 19; Gaz. vol. 134; p. 770.
- Burnam, V. D., Huntsville, Ala. Article of furniture. No. 71,864; Dec. 15; Gaz. vol. 137; p. 1707.
- Burnet, S. T., St. Louis, Mo. Candy. No. 68,741; Apr. 28; Gaz. vol. 133; p. 2174.
- Burnett, W. H. C., Detroit, Mich. Butter-scotch. No. 70,067; July 28; Gaz. vol. 135; p. 890.
- Burnham-Munger Mfg. Co., Kansas City, Mo. Overalls, jumpers, shirts, and pants. No. 71,279; Nov. 17; Gaz. vol. 137; p. 727.
- Burrell Manufacturing Company, Bradley, Ill. Cement-block machine. No. 68,380; Apr. 7; Gaz. vol. 133; p. 1429.
- Burroughs, G. M., Madison, Conn. Certain liquid medical compound. No. 69,757; June 30; Gaz. vol. 134; p. 2241.
- Burson Knitting Company, Rockford, Ill. Hosiery. Nos. 71,429-30; Nov. 24; Gaz. vol. 137; p. 973.
- Burt Olney Canning Co., Oneida and Albion, N. Y. Canned fruits and vegetables. No. 68,773; Apr. 28; Gaz. vol. 133; p. 2174.
- Burt Olney Canning Co., Oneida and Albion, N. Y. Canned fruits and vegetables. No. 71,160; Nov. 3; Gaz. vol. 137; p. 225.
- Burton & Davis Co., New York, N. Y. Canned fruits and vegetables. No. 70,723; Sept. 29; Gaz. vol. 136; p. 1063.
- Buse & Caldwell, Pittsburg, Pa. Evaporated milk. No. 69,451; June 16; Gaz. vol. 134; p. 1797.
- Bushnell & Co., D. I., St. Louis, Mo. Clover, grass, millet, and mixed seeds. No. 71,619; Dec. 8; Gaz. vol. 137; p. 1477.
- Business Magazine Co., Knoxville, Tenn. Magazine periodical. No. 70,653; Sept. 22; Gaz. vol. 136; p. 843.

Alphabetical list of registrants of trade-marks—Continued.

- Buskey, G. M., Worcester, Mass. Cleaning compound. No. 70,545; Sept. 15; Gaz. vol. 136; p. 653.
- Butler Brothers, New York, N. Y. Certain tools. No. 70,073; July 28; Gaz. vol. 135; p. 890.
- Buzby, A. C., Philadelphia, Pa. Lubricants, consisting of oils and greases. No. 69,330; June 9; Gaz. vol. 134; p. 1557.
- C. Hoffman & Son Milling Company, Enterprise, Kans. Wheat-flour. No. 69,698; June 30; Gaz. vol. 134; p. 2240.
- C. Hoffman & Son Milling Company, Enterprise, Kans. Wheat-flour. No. 70,518; Sept. 8; Gaz. vol. 136; p. 434.
- C. Kern Brewing Co., Port Huron, Mich. Porter. No. 68,058; Mar. 3; Gaz. vol. 133; p. 225.
- C. A. Marsh & Co., Attleboro, Mass. Certain jewelry. No. 68,361; Mar. 31; Gaz. vol. 133; p. 1184.
- C. A. Murdock Mfg. Co., Kansas City, Mo. Flavoring extracts. No. 69,353; June 9; Gaz. vol. 134; p. 1557.
- C. A. Woolsey Paint & Color Company, Jersey City, N. J. Paint. No. 69,989; July 21; Gaz. vol. 135; p. 658.
- C. B. Norton Jewelry Co., Kansas City, Mo. Electroplating apparatus. No. 69,990; July 21; Gaz. vol. 135; p. 658.
- C. B. Woodworth Sons Co., Rochester, N. Y. Perfumes, toilet waters, sachet-powders, and toilet powders. No. 70,596; Sept. 15; Gaz. vol. 136; p. 654.
- C. B. Woodworth Sons Co., Rochester, N. Y. Toilet cream. No. 70,935; Oct. 20; Gaz. vol. 136; p. 1763.
- C. C. A. Cigar Company, Boston, Mass. Cigars. No. 69,421; June 16; Gaz. vol. 134; p. 1797.
- C. E. Conover Co., New York, N. Y. Textile fabrics coated with waterproof material. No. 68,827; Apr. 28; Gaz. vol. 133; p. 2176.
- C. E. Fulford, Limited, Leeds, England. Ointment. No. 69,876; July 14; Gaz. vol. 135; p. 446.
- C. E. Fulford, Limited, Leeds, England. Perfumed soap. No. 70,031; July 28; Gaz. vol. 135; p. 889.
- C. F. Brown Chemical Co., New York, N. Y. Liniment. No. 67,412; Feb. 4; Gaz. vol. 132; p. 1065.
- C. F. Gardner Printing Co., Princeton, Ind. Sleeve-protectors. No. 71,280; Nov. 17; Gaz. vol. 137; p. 727.
- C. F. Streit Mfg. Co., Cincinnati, Ohio. Chairs and davenport. No. 72,021; Dec. 29; Gaz. vol. 137; p. 2214.
- C. G. Schierholz & Sohn, Porzellan-Manufaktur Plauke, G. m. b. H., Plauke, Schwarzburg-Sondershausen, Germany. Porcelain crockery, and earthenware. No. 72,022; Dec. 29; Gaz. vol. 137; p. 2214.
- C. S. Morey Mercantile Company, Denver, Colo. Tea. No. 67,927; Feb. 25; Gaz. vol. 132; p. 1533.
- C. S. Morey Mercantile Company, Denver, Colo. Tea. No. 68,490; Apr. 14; Gaz. vol. 133; p. 1673.
- C. S. Morey Mercantile Company, Denver, Colo. Spices. No. 68,642; Apr. 21; Gaz. vol. 133; p. 1930.
- C. T. Ham Manufacturing Company, Rochester, N. Y. Oil-burning lamps. Nos. 67,151-5; Jan. 21; Gaz. vol. 132; p. 673.
- C. T. Ham Manufacturing Company, Rochester, N. Y. Oil-burning lamps. No. 67,474; Feb. 4; Gaz. vol. 132; p. 1067.
- C. T. Ham Manufacturing Company, Rochester, N. Y. Oil-burning lamps lanterns and burners therefor. No. 69,008; May 12; Gaz. vol. 134; p. 511.
- C. W. Barnes Inc., Syracuse, N. Y. Cigars. No. 70,783; Oct. 6; Gaz. vol. 136; p. 1293.
- C. W. Hunt Company, New York, N. Y. Fiber rope. No. 69,699; June 30; Gaz. vol. 134; p. 2240.
- C. W. Snow & Company, Syracuse, N. Y. Paint-brushes. No. 68,891; May 5; Gaz. vol. 134; p. 252.
- C. W. Snow & Company, Syracuse, N. Y. Paint-brushes. No. 70,701; Sept. 29; Gaz. vol. 136; p. 1063.
- Cabin Creek Consolidated Coal Company, Charleston, W. Va. Coal. No. 70,046; July 28; Gaz. vol. 135; p. 889.
- Cable Company, Chicago, Ill. Certain musical instruments. Nos. 67,021-2; Jan. 14; Gaz. vol. 132; p. 461.
- Cable Flax Mills, Schaghticoke and New York, N. Y. Twines made from flax, hemp, and jute. No. 70,044; July 28; Gaz. vol. 135; p. 889.
- Cabler, W. P., Fort Wayne, Ind. Medicinal remedy for certain diseases. No. 72,037; Dec. 29; Gaz. vol. 137; p. 2214.
- Cabot, G. L., Boston, Mass. Carbon-black, lampblack, and gas-black. No. 67,327; Jan. 28; Gaz. vol. 132; p. 837.
- Cadbury Brothers, Limited, near Birmingham, England. Cocoa and chocolate. No. 67,928; Feb. 25; Gaz. vol. 132; p. 1833.
- Caden Stone Co., Evansville, Ind., and Hadley, Ky. Rough and cut stone. No. 71,866; Dec. 15; Gaz. vol. 137; p. 1707.
- Cadwallader, T., Salem, Ohio. Poultry-markers. No. 71,010; Oct. 27; Gaz. vol. 136; p. 1995.
- California Glove Company, San Francisco, Cal. Leather gloves. No. 71,989; Dec. 29; Gaz. vol. 137; p. 2213.
- California Glove Company, San Francisco, Cal. Leather gloves. No. 72,000; Dec. 29; Gaz. vol. 137; p. 2213.
- California Wine Association, San Francisco, Cal. Wine. No. 68,759; Apr. 28; Gaz. vol. 133; p. 2174.
- California Wine Association, San Francisco, Cal. Wine. No. 69,009; May 12; Gaz. vol. 134; p. 511.
- Callender, B. F., Rochester, N. Y. Crayons. No. 67,923; Feb. 25; Gaz. vol. 132; p. 1833.
- Calvet & Co., J., Bordeaux, France. Claret wines, Sauternes, and Burgundy wines. No. 70,687; Sept. 22; Gaz. vol. 136; p. 844.
- Calvet & Co., J., Bordeaux, France. Wines. No. 71,905; Dec. 22; Gaz. vol. 137; p. 1934.
- Cameron, L. O., Pittsburg, Pa. Gas heater-furnace. No. 70,482; Sept. 8; Gaz. vol. 136; p. 433.
- Cammell Laird & Co. Limited, Sheffield, England. Certain steel. No. 68,092; Mar. 10; Gaz. vol. 133; p. 507.
- Cammell Laird & Co. Limited, Sheffield, England. Steel. No. 68,472; Apr. 14; Gaz. vol. 133; p. 1673.
- Cammell Laird & Co. Limited, Sheffield, England. Certain machine-tools. Nos. 68,491-2; Apr. 14; Gaz. vol. 133; p. 1673.
- Campbell, D. R., Newark, N. J. Dandruff remedy and hair-restorer. No. 70,749; Sept. 29; Gaz. vol. 136; p. 1064.
- Campbell Printing Press & Manufacturing Company, New York, N. Y. Machinery for finishing stereotype printing-plates. No. 69,799; July 7; Gaz. vol. 135; p. 214.
- Campbells Creek Coal Company, Cincinnati, Ohio. Coal. No. 70,045; July 28; Gaz. vol. 135; p. 889.
- Campho Croup Co., Wheeling, W. Va. Remedy for croup, coughs, and colds. No. 67,903; Feb. 25; Gaz. vol. 132; p. 1832.
- Cannon, H. P., Bridgeville, Del. Canned fruits and vegetables. No. 67,706; Feb. 18; Gaz. vol. 132; p. 1579.
- Canter, A. R., Wilkinsburg, Pa. Corn remedy. No. 68,435; Apr. 7; Gaz. vol. 133; p. 1430.
- Capehart, C., New York, N. Y. Weekly magazine. No. 69,659; June 30; Gaz. vol. 134; p. 2239.
- Capewell Horse Nail Company, Hartford, Conn. Horseshoe-nails. No. 67,010; Jan. 14; Gaz. vol. 132; p. 461.
- Capital Collar and Cuff Co., Lincoln, Nebr. Waterproof collars and cuffs. No. 68,841; Apr. 28; Gaz. vol. 133; p. 2176.
- Carew Manufacturing Company, South Hadley Falls, Mass. Fine writing-paper and envelopes. No. 68,545; Apr. 14; Gaz. vol. 133; p. 1675.
- Carey, C. S., Elmira, N. Y. Eye-lotions. No. 68,606; Apr. 21; Gaz. vol. 133; p. 1929.
- Cargill, Cleveland & Co., Westfield, Mass. Whips. No. 67,429; Feb. 4; Gaz. vol. 132; p. 1066.
- Cargill, J. M., Baltimore, Md. Remedies for certain diseases. No. 67,328; Jan. 28; Gaz. vol. 132; p. 837.
- Carmel Wine Company, New York, N. Y. Wines. Nos. 67,755-9; Feb. 18; Gaz. vol. 132; p. 1580.
- Carmel Wine Company, New York, N. Y. Cognacs and cordials. Nos. 67,823-4; Feb. 18; Gaz. vol. 132; p. 1582.
- Carmel Wine Company, New York, N. Y. Cognacs and cordials. No. 68,264; Mar. 17; Gaz. vol. 133; p. 758.
- Carmel Wine Company, New York, N. Y. Wines. Nos. 68,286-8; Mar. 24; Gaz. vol. 133; p. 987.
- Carmel Wine Company, New York, N. Y. Cognacs and cordials. Nos. 68,299-300; Mar. 24; Gaz. vol. 133; p. 987.
- Carreras, F. I., New York, N. Y. Hair-tonic. No. 71,254; Nov. 10; Gaz. vol. 137; p. 471.
- Carson Pirie Scott & Co., Chicago, Ill. Ribbons. No. 69,402; June 9; Gaz. vol. 134; p. 1559.
- Carson Pirie Scott & Co., Chicago, Ill. Bed-comforts. No. 69,877; July 14; Gaz. vol. 135; p. 446.
- Carson Pirie Scott & Co., Chicago, Ill. Silk piece goods. No. 70,279; Aug. 18; Gaz. vol. 135; p. 1578.
- Carson Pirie Scott & Co., Chicago, Ill. Men's dress and negligee shirts. No. 70,475; Sept. 8; Gaz. vol. 136; p. 433.
- Carson Pirie Scott & Co., Chicago, Ill. Men's work-shirts. No. 70,476; Sept. 8; Gaz. vol. 136; p. 433.
- Carter-Crume Co. Limited, Toronto, Canada, and Niagara Falls, N. Y. Manifolded-books. Nos. 70,144-5; Aug. 4; Gaz. vol. 135; p. 1117.
- Carter's Ink Company, Boston, Mass., and New York, N. Y. Magazine. No. 72,079; Dec. 29; Gaz. vol. 137; p. 2215.
- Cartun, J., Philadelphia, Pa. Brandy. No. 67,091; Jan. 14; Gaz. vol. 132; p. 463.
- Cartun, J., Philadelphia, Pa. Whisky, brandy, gin, and cordials. No. 67,627; Feb. 11; Gaz. vol. 132; p. 1315.
- Casbarian, B. G., Washington, D. C. Rugs, carpets, and curtains. No. 69,878; July 14; Gaz. vol. 135; p. 446.
- Cascade Carpet Company, Little Falls, N. J. Carpets and rugs. No. 71,281; Nov. 17; Gaz. vol. 137; p. 727.
- Cascade Carpet Company, Little Falls, N. J. Carpets and rugs. No. 71,826; Dec. 15; Gaz. vol. 137; p. 1706.
- Case Brothers, Highland Park, Conn. Press-boards. No. 67,904; Feb. 25; Gaz. vol. 132; p. 1832.
- Case, M., Corning, Cal. Remedy for malaria. No. 71,705; Dec. 15; Gaz. vol. 137; p. 1703.
- Cassady-Fairbank Manufacturing Company, Chicago, Ill. Curling-irons. No. 68,990; May 12; Gaz. vol. 134; p. 510.
- Cassebeer Pharmacal Co., New York, N. Y. Toilet preparations for the skin, hair, and nails in the form of creams, pastes, and powders. No. 70,636; Sept. 22; Gaz. vol. 136; p. 843.
- Castle Braid Company, New York, N. Y. Hat-pins. No. 68,817; Apr. 28; Gaz. vol. 133; p. 2176.
- Cattaraugus Cutlery Co., Little Valley, N. Y. Certain cutlery. No. 72,060; Dec. 29; Gaz. vol. 137; p. 2215.
- Cauvigny Brush Co., New York, N. Y. Toilet-brushes. No. 67,252; Jan. 28; Gaz. vol. 132; p. 835.
- Cavey-Caguas Tobacco Company, New York, N. Y., and Caguas, Porto Rico. Cigars, cheroots, and cigarettes made of cigar-tobacco. Nos. 70,966-73; Oct. 20; Gaz. vol. 136; p. 1764.
- Cavey-Caguas Tobacco Company, New York, N. Y., and Caguas, Porto Rico. Cigars, cheroots, and cigarettes. No. 71,490; Nov. 24; Gaz. vol. 137; p. 974.
- Cavey-Caguas Tobacco Company, New York, N. Y., and Caguas, Porto Rico. Cigars, cheroots, and cigarettes. Nos. 71,546-7; Dec. 1; Gaz. vol. 137; p. 1232.
- Cavey-Caguas Tobacco Company, New York, N. Y., and Caguas, Porto Rico. Cigars, cheroots, and cigarettes. No. 71,801; Dec. 15; Gaz. vol. 137; p. 1705.

Alphabetical list of registrants of trade-marks—Continued.

- Cayey-Caguas Tobacco Company, New York, N. Y., and Caguas, Porto Rico. Cigars, cheroots, and cigarettes. No. 71,906; Dec. 22; Gaz. vol. 137; p. 1934.
- Cedar Rapids Candy Company, Cedar Rapids, Iowa. Chocolate candy. No. 67,707; Feb. 18; Gaz. vol. 132; p. 1579.
- Cederroth, C., Gefle, Sweden. Certain iron compound. No. 67,891; Feb. 25; Gaz. vol. 132; p. 1832.
- Central Butter & Egg Co., Duluth, Minn. Bread. No. 70,688; Sept. 22; Gaz. vol. 136; p. 844.
- Central Stamping Company, New York, N. Y. Stamped sheet-metal ware. No. 69,879; July 14; Gaz. vol. 135; p. 446.
- Century Chemical Co., Indianapolis, Ind. Celery tonic. No. 70,409; Aug. 25; Gaz. vol. 135; p. 1799.
- Cerruti Mercantile Co., San Francisco, Cal. Certain wines. No. 71,588; Dec. 1; Gaz. vol. 137; p. 1233.
- Ceylon Cocoa & Coffee Company. (See Herron, J. M., assignor.)
- Chambers, F. V., Philadelphia, Pa. Weekly magazines. No. 69,956; July 21; Gaz. vol. 135; p. 658.
- Champion Safety Lock Company, Geneva, Ohio. Certain fastening devices. No. 69,390; June 9; Gaz. vol. 134; p. 1558.
- Chandon et Co., Epernay, France. Champagne-wine. Nos. 68,030-3; Mar. 3; Gaz. vol. 133; p. 225.
- Chandon et Co., Epernay, France. Champagne-wine. No. 68,042; Mar. 3; Gaz. vol. 133; p. 225.
- Chapman, J. M., New York, N. Y. Canned fruits and canned vegetables, sea foods, and olive-oil. No. 69,354; June 9; Gaz. vol. 134; p. 1557.
- Charles A. Eaton Company, Brockton, Mass. Certain boots, shoes, and slippers. No. 69,146; May 19; Gaz. vol. 134; p. 772.
- Charles Munson Belting Co., New York, N. Y. Leather belting. No. 67,329; Jan. 28; Gaz. vol. 132; p. 837.
- Charles Niedner's Sons Co., Malden, Mass. Linen hose. Nos. 69,287-8; June 2; Gaz. vol. 134; p. 1294.
- Charles Niedner's Sons Co., Malden, Mass. Linen hose. No. 70,424; Sept. 1; Gaz. vol. 133; p. 221.
- Charles Wolff Packing Company, Topeka, Kans. Lard. No. 67,267; Jan. 28; Gaz. vol. 132; p. 836.
- Charles Zoller Co., New York, N. Y. Certain beer-racking apparatus. No. 69,437; June 11; Gaz. vol. 134; p. 1797.
- Charles Zoller Co., New York, N. Y. Malt. No. 69,581; June 23; Gaz. vol. 134; p. 2024.
- Charles Zoller Co., New York, N. Y. Krausen apparatus. No. 69,890; July 7; Gaz. vol. 135; p. 214.
- Charles Zunz, Limited, Brussels, Belgium. Portland or hydraulic cement. No. 66,917; Jan. 7; Gaz. vol. 132; p. 225.
- Charleston Metallic Packing Co., Charleston, S. C. Rod and piston packing. No. 69,196; May 26; Gaz. vol. 134; p. 1046.
- Chas. A. Maish Co., Cincinnati, Ohio. Comforts. No. 67,286; Jan. 28; Gaz. vol. 132; p. 836.
- Chas. H. Moore Oil Co., Cincinnati, Ohio. Reducing-spirits or thinner for paints, varnishes, japans, enamels, fillers, and stains. No. 70,908; Oct. 13; Gaz. vol. 136; p. 1529.
- Chas. H. Moore Oil Company, Cincinnati, Ohio. Substitutes for spirits of turpentine. No. 68,473; Apr. 14; Gaz. vol. 133; p. 1673.
- Chas. R. Long, Jr., Co., Louisville, Ky. Paint. No. 70,006; July 21; Gaz. vol. 135; p. 659.
- Chas. R. Long, Jr., Co., Louisville, Ky. Paint. No. 70,215; Aug. 11; Gaz. vol. 135; p. 1358.
- Chas. Polacheck & Bro. Co., Milwaukee, Wis. Chandeliers for gas and electric lights. No. 70,724; Sept. 29; Gaz. vol. 136; p. 1063.
- Chase, Roberts & Co., Long Island City, N. Y. Stove-polish and stove-enamel. No. 70,246; Aug. 18; Gaz. vol. 135; p. 1577.
- Chassaing & Cie., Paris, France. Alimentary preparation for infants and invalids. No. 68,293; Mar. 24; Gaz. vol. 133; p. 987.
- Chatfield, C. B., Grand Rapids, Mich. Under-water exhausts for engines. No. 70,700; Sept. 29; Gaz. vol. 136; p. 1063.
- Chatfield Mfg. Co., Cincinnati, Ohio. Roofing-paper. No. 68,682; Apr. 21; Gaz. vol. 133; p. 1931.
- Chatfield Mfg. Co., Cincinnati, Ohio. Roofing-paper. No. 70,117; Aug. 4; Gaz. vol. 135; p. 1117.
- Chattanooga Plow Co., Chattanooga, Tenn. Plows and parts of plows. No. 69,742; June 30; Gaz. vol. 134; p. 2241.
- Cheek-Neal Coffee Co., Nashville, Tenn. Coffee. No. 71,889; Dec. 22; Gaz. vol. 137; p. 1933.
- Cheeseman, L., Scranton, Pa. Compound for removing hair from hides. No. 70,218; Aug. 11; Gaz. vol. 135; p. 1358.
- Chellis-Hillman Company, Portland, Me. Metal closures for containing vessels. No. 67,594; Feb. 11; Gaz. vol. 132; p. 1314.
- Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Photographic developing substance. Nos. 67,287-8; Jan. 28; Gaz. vol. 132; p. 836.
- Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Antiseptic remedies for the treatment of urinary passages. No. 67,391; Feb. 4; Gaz. vol. 132; p. 1065.
- Chemische Fabrik von Heyden Aktien-Gesellschaft, Radebeul, near Dresden, Germany. Antiseptic silver salts used for gonorrhea and eye diseases. No. 66,947; Jan. 7; Gaz. vol. 132; p. 226.
- Chemische Fabrik von Heyden Aktien-Gesellschaft, Radebeul, near Dresden, Germany. Salicylic esters of phenols and of alcohols. No. 69,258; June 2; Gaz. vol. 134; p. 1293.
- Chemische Fabriks Werke Gesellschaft mit beschränkter Haftung, Vienna, Austria-Hungary. Disinfectants. No. 68,546; Apr. 14; Gaz. vol. 133; p. 1675.
- Chemische Werke Hansa Gesellschaft mit beschränkter Haftung, Hemelingen, Germany. Soap. No. 68,043; Mar. 3; Gaz. vol. 133; p. 225.
- Chemische Werke Hansa Gesellschaft mit beschränkter Haftung, Hemelingen, Germany. Lubricating-oils and lubricants. No. 68,059; Mar. 3; Gaz. vol. 133; p. 225.
- Chemische Werke Hansa Gesellschaft mit beschränkter Haftung, Hemelingen, near Bremen, Germany. Certain remedies. No. 69,128; May 19; Gaz. vol. 134; p. 771.
- Chemische Werke Hansa Gesellschaft mit beschränkter Haftung, Hemelingen, near Bremen, Germany. Remedies for certain diseases. No. 69,147; May 19; Gaz. vol. 134; p. 772.
- Chemische Werke Hansa Gesellschaft mit beschränkter Haftung, Hemelingen, near Bremen, Germany. Certain chemical. No. 70,391; Aug. 25; Gaz. vol. 135; p. 1798.
- Chemische Werke Reiherstieg Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Disinfectants and antiseptics. No. 69,247; June 2; Gaz. vol. 134; p. 1293.
- Cheney Brothers, South Manchester, Conn. Silk piece goods. No. 68,991; May 12; Gaz. vol. 134; p. 510.
- Cheney Chemical Company, South Manchester, Conn. Cleaning and polishing composition. No. 70,502; Sept. 8; Gaz. vol. 136; p. 433.
- Chesapeake & Ohio Coal & Coke Company, Thurmond, W. Va., and New York, N. Y. Semibituminous coal. No. 71,706; Dec. 15; Gaz. vol. 137; p. 1703.
- Cheess Brothers, The Central Expanded Metal Company, Pittsburg, Pa. Expanded metal. No. 72,061; Dec. 29; Gaz. vol. 137; p. 2215.
- Chester, F. E., Providence, R. I. Fishing-tackle. No. 71,802; Dec. 15; Gaz. vol. 137; p. 1705.
- Chesterman & Streeter, Philadelphia, Pa. Pads for trusses. No. 67,459; Feb. 4; Gaz. vol. 132; p. 1067.
- Chexvren, P., Gouhenans, (Haute-Saône), France. Certain medicines. No. 67,905; Feb. 25; Gaz. vol. 132; p. 1832.
- Chic Apron Co., Peoria, Ill. Cloth aprons. No. 67,109; Jan. 14; Gaz. vol. 132; p. 463.
- Chicago Belting Company, Chicago, Ill. Leather belting. No. 67,825; Feb. 18; Gaz. vol. 132; p. 1582.
- Chicago Herald Company, Chicago, Ill. Newspaper published every day in the week except Sunday. No. 67,156; Jan. 21; Gaz. vol. 132; p. 673.
- Chicago Herald Company, Chicago, Ill. Sunday newspaper. No. 67,665; Feb. 11; Gaz. vol. 132; p. 1316.
- Chicago Pharmacal Co., Chicago, Ill. Remedy for certain diseases. No. 70,714; Sept. 29; Gaz. vol. 136; p. 1063.
- Chicago Wood Finishing Co., Chicago, Ill. Graining compound. No. 70,014; July 21; Gaz. vol. 135; p. 659.
- Chicago Wood Finishing Co., Chicago, Ill. Cleaning compound. No. 70,247; Aug. 18; Gaz. vol. 135; p. 1577.
- Childs, W. F., Boston, Mass. Cake icing and filling. No. 69,685; June 30; Gaz. vol. 134; p. 2239.
- Chillington Tool Co. Ltd., Wolverhampton, England. Certain hand-tools. No. 67,006; Mar. 3; Gaz. vol. 133; p. 224.
- Chillington Tool Company Limited, Wolverhampton, England. Certain tools. No. 67,850; Feb. 25; Gaz. vol. 132; p. 1831.
- Chillington Tool Company, Limited, Wolverhampton, England. Certain hand-tools. No. 70,159; Aug. 4; Gaz. vol. 135; p. 1118.
- Chilton Canning Company, Chilton, Wis. Canned and preserved fruits and vegetables. No. 69,582; June 23; Gaz. vol. 134; p. 2024.
- China & Japan Trading Company Limited, New York, N. Y. Certain textile fabrics. Nos. 67,392-3; Feb. 4; Gaz. vol. 132; p. 1065.
- China & Japan Trading Company, Limited, New York, N. Y. Unbleached sheetings, shirtings, drills, and flannels woven of cotton yarn. No. 70,750; Sept. 29; Gaz. vol. 136; p. 1064.
- China & Japan Trading Company, Limited, New York, N. Y. Certain cotton goods. Nos. 71,127-8; Nov. 3; Gaz. vol. 137; p. 224.
- China & Japan Trading Company, Limited, New York, N. Y. Certain textiles. No. 71,655; Dec. 8; Gaz. vol. 137; p. 1478.
- China & Japan Trading Company, Limited, New York, N. Y. Certain textiles. No. 71,678; Dec. 8; Gaz. vol. 137; p. 1479.
- Chipman's Sons, C., Easton, Pa. Hosiery. Nos. 71,178-9; Nov. 10; Gaz. vol. 137; p. 469.
- Chipman's Sons, Chas., Easton, Pa. Hosiery. No. 70,129; Aug. 4; Gaz. vol. 135; p. 1117.
- Chippewa Shoe Mfg. Co., Chippewa Falls, Wis. Leather boots and shoes and leather tops for rubbers. No. 69,148; May 19; Gaz. vol. 134; p. 772.
- Christians Natural Food Company, Jersey City, N. J., and New York, N. Y. Certain foods. No. 71,282; Nov. 17; Gaz. vol. 137; p. 727.
- Church & Dwight, New York, N. Y. Baking-soda. No. 71,220; Nov. 10; Gaz. vol. 137; p. 471.
- Churchward, E., Detroit, Mich. Remedy for tired feet, corns, and bunions. No. 69,379; June 9; Gaz. vol. 134; p. 1558.
- Ciaburri & Fil., E., Naples, Italy. Liqueurs. No. 67,628; Feb. 11; Gaz. vol. 132; p. 1315.
- Cie Des Montres Invar, Chaux de Fonds, Switzerland. Watches, watchcases, and watch-movements. No. 68,607; Apr. 21; Gaz. vol. 133; p. 1929.
- Cincinnati Oil Works Company, Cincinnati, Ohio. Gasolene. No. 70,216; Aug. 11; Gaz. vol. 135; p. 1358.
- Cincinnati Oil Works Company, Cincinnati, Ohio. Lubricating-grease. No. 70,217; Aug. 11; Gaz. vol. 135; p. 1358.
- Cincinnati Oil Works Company, Cincinnati, Ohio. Lubricating-oil. No. 70,237; Aug. 11; Gaz. vol. 135; p. 1358.

Alphabetical list of registrants of trade-marks—Continued.

- Cincinnati Tool Co., Norwood, Ohio. Certain tools. No. 68,720; Apr. 28; Gaz. vol. 133; p. 2173.
- City of Carlsbad, Carlsbad, Austria-Hungary. Medicinal salts. No. 71,351; Nov. 17; Gaz. vol. 137; p. 729.
- Civilian Shoe Co., Boston, Mass. Leather boots and shoes. No. 71,990; Dec. 29; Gaz. vol. 137; p. 2213.
- Clafin Chemical Co. Limited, Windsor, Ontario, Canada. Medicine for the kidneys and urinary organs. No. 68,106; Mar. 10; Gaz. vol. 133; p. 507.
- Clafin Mill & Elevator Company, Clafin, Kans. Wheat-flour. No. 69,237; May 26; Gaz. vol. 134; p. 1047.
- Clarence Linz Company, Dallas, Tex. Jewelry and certain precious-metal ware. No. 68,184; Mar. 10; Gaz. vol. 133; p. 510.
- Clark, C. H., Westfield, Mass. Whips. No. 70,588; Sept. 15; Gaz. vol. 136; p. 654.
- Clark, H. W., North Hampton, Mass. Tanned and dressed leather. No. 70,751; Sept. 29; Gaz. vol. 136; p. 1064.
- Clark, J. C., East Hampton, Conn. Powder for destroying rose-bugs. No. 70,936; Oct. 20; Gaz. vol. 136; p. 1763.
- Clark, J. H., San Francisco, Cal. Socks and stockings. No. 68,415; Apr. 7; Gaz. vol. 133; p. 1430.
- Clark & Rowland, Pittsburg, Pa. Rheostats and resistance-coils. No. 68,643; Apr. 21; Gaz. vol. 133; p. 1930.
- Clark, W. H., Cortland, N. Y. Laxative medicines. No. 71,431; Nov. 24; Gaz. vol. 137; p. 973.
- Clarke Sales Company, New York, N. Y. Separable fasteners for garment-closures. No. 71,827; Dec. 15; Gaz. vol. 137; p. 1706.
- Class Journal Co., New York, N. Y. Periodical issued annually. No. 67,826; Feb. 18; Gaz. vol. 132; p. 1582.
- Claus, H., Brooklyn, N. Y. Medicinal oil. No. 70,637; Sept. 22; Gaz. vol. 136; p. 843.
- Clauss, H., Fremont, Ohio. Razors. No. 71,283; Nov. 17; Gaz. vol. 137; p. 727.
- Clawson, F. C., administratrix. (See Clawson, L. B.)
- Clawson, L. B., deceased; F. C. Clawson, Reading, Pa., administratrix. Negligée shirts. No. 69,801; July 7; Gaz. vol. 135; p. 214.
- Clayton, J. B., Athens, Ohio. Cough and croup syrup. No. 71,352; Nov. 17; Gaz. vol. 137; p. 729.
- Clumens, P. C., Chicago, Ill. Remedy for dandruff and itching scalp. No. 71,707; Dec. 15; Gaz. vol. 137; p. 1703.
- Clemente, C., Cleveland, Ohio. Concrete flooring. No. 68,493; Apr. 14; Gaz. vol. 133; p. 1673.
- Cleveland-Akron Bag Co., Cleveland, Ohio. Paper bags. No. 66,996; Jan. 7; Gaz. vol. 132; p. 228.
- Cleveland-Akron Bag Co., Cleveland, Ohio. Paper bags. No. 68,265; Mar. 17; Gaz. vol. 133; p. 758.
- Cleveland & Sandusky Brewing Co., Cleveland, Ohio. Beer. No. 71,803; Dec. 15; Gaz. vol. 137; p. 1705.
- Cleveland Varnish Company, Cleveland, Ohio. Certain painters' materials. Nos. 67,884-6; Feb. 25; Gaz. vol. 132; p. 1832.
- Cleveland Varnish Company, Cleveland, Ohio. Certain painters' materials. No. 68,185; Mar. 10; Gaz. vol. 133; p. 510.
- Cleveland Varnish Company, Cleveland, Ohio. Varnishes, japans, lacquers, enamels, and paints. No. 70,301; Aug. 18; Gaz. vol. 135; p. 1578.
- Cleveland Varnish Company, Cleveland, Ohio. Varnishes, japans, lacquers, and enamels. No. 70,638; Sept. 22; Gaz. vol. 136; p. 843.
- Climax Ceramic Company, Chicago, Ill. Ceramic gold paint. No. 70,007; July 21; Gaz. vol. 135; p. 659.
- Climax Coffee & Baking Powder Company, Indianapolis, Ind. Coffee. No. 67,563; Feb. 11; Gaz. vol. 132; p. 1313.
- Clymer, R. S., Alentown, Pa. Certain medicines. No. 67,777; Feb. 18; Gaz. vol. 132; p. 1581.
- Coast Manufacturing & Supply Co., Berkeley, Cal. Fuses. No. 68,234; Mar. 17; Gaz. vol. 133; p. 758.
- Coast Manufacturing & Supply Co., Berkeley, Cal. Slow-burning fuses. No. 70,503; Sept. 8; Gaz. vol. 136; p. 433.
- Coast Manufacturing & Supply Co., Berkeley, Cal. Powder-train fuses. Nos. 70,570-1; Sept. 15; Gaz. vol. 136; p. 654.
- Cochran, Drugan & Co., Trenton, N. J. Water-closets. No. 71,936; Dec. 22; Gaz. vol. 137; p. 1935.
- Cody, J. M., St. Louis, Mo. Tea and coffee. No. 70,786; Oct. 6; Gaz. vol. 136; p. 1293.
- Coffeyville Mercantile Co., Coffeyville, Kans. Baking-powder. No. 70,219; Aug. 11; Gaz. vol. 135; p. 1358.
- Coffin and Schamerhorn, Des Moines, Iowa. Liniment. No. 70,715; Sept. 29; Gaz. vol. 136; p. 1063.
- Cohen, S., New York, N. Y. Overalls. No. 66,957; Jan. 7; Gaz. vol. 132; p. 227.
- Cohen & Rosenberg, Boston, Mass. Wheat-flour. No. 67,708; Feb. 18; Gaz. vol. 132; p. 1579.
- Cohen Son & Co., J., New York, N. Y. Men's coats, vests, trousers, and overcoats. No. 67,930; Feb. 23; Gaz. vol. 132; p. 1833.
- Cohn & Co., H. C., Rochester, N. Y. Neckties. No. 68,186; Mar. 10; Gaz. vol. 133; p. 510.
- Cold Spring Mineral Water Co., Cold Spring, Minn. Mineral water. No. 68,301; Mar. 24; Gaz. vol. 133; p. 987.
- Cole, H. P., New York, N. Y. Boots, shoes, slippers, and sandals made of leather. No. 66,978; Jan. 7; Gaz. vol. 132; p. 227.
- Cole Manufacturing Company, Chicago, Ill., and Council Bluffs, Iowa. Stoves, furnaces, and ranges. No. 71,865; Dec. 15; Gaz. vol. 137; p. 1707.
- Colgan Co., W. H., West Newton, Mass. Outlet-boxes, switch-boxes, and conduit-boxes. No. 70,392; Aug. 25; Gaz. vol. 135; p. 1798.
- Colgate & Co., New York, N. Y. Soap powders. No. 68,708; Apr. 28; Gaz. vol. 133; p. 2173.
- Colgate & Co., New York, N. Y. Soap and soap powders. No. 68,709; Apr. 28; Gaz. vol. 133; p. 2173.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Dental cream. No. 71,432; Nov. 24; Gaz. vol. 137; p. 973.
- Collins Company, Collinsville, Conn. Plows and parts thereof. No. 70,130; Aug. 4; Gaz. vol. 135; p. 1117.
- Collins Company, Collinsville, Conn. Certain tools. Nos. 70,752-3; Sept. 29; Gaz. vol. 136; p. 1064.
- Collins Medicine Company, Little Rock, Ark. Certain medicines. No. 70,393; Aug. 25; Gaz. vol. 135; p. 1799.
- Colonial Steel Co., Pittsburg, Pa. Steel bars, sheets, and plates. No. 68,969; May 12; Gaz. vol. 134; p. 510.
- Colonial Steel Co., Pittsburg, Pa. Steel bars, sheets, and plates. No. 69,880; July 14; Gaz. vol. 135; p. 446.
- Colorado Canning Co., Canon City, Colo. Certain foods. No. 70,204; Aug. 11; Gaz. vol. 135; p. 1357.
- Coltrin, L., Omaha, Nebr. Cereal breakfast food. No. 69,084; May 19; Gaz. vol. 134; p. 770.
- Columbia Canning Company, Seattle, Wash. Canned salmon. No. 68,133; Mar. 10; Gaz. vol. 133; p. 508.
- Columbia Flouring Mills Company, Ltd., Enderby, British Columbia, Canada. Wheat-flour. No. 68,796; Apr. 28; Gaz. vol. 133; p. 2175.
- Columbia Mill & Elevator Company, Columbia, Tenn. Wheat-flour. No. 66,918; Jan. 7; Gaz. vol. 132; p. 225.
- Columbia Oil Co. of New York, New York, N. Y. Illuminating-oils. No. 71,284; Nov. 17; Gaz. vol. 137; p. 727.
- Columbia Phonograph Company, General, New York, N. Y. Graphophones. No. 66,997; Jan. 7; Gaz. vol. 132; p. 228.
- Columbian Cutlery Company, Reading, Pa. Sheep-shears and scythes. No. 68,381; Apr. 7; Gaz. vol. 133; p. 1429.
- Columbian Hardware Company, Cleveland, Ohio. Spring-hinges and spring-hinge blanks. No. 67,864; Feb. 25; Gaz. vol. 132; p. 1831.
- Columbian Hardware Company, Cleveland, Ohio. Spring-hinges. No. 70,006; July 28; Gaz. vol. 135; p. 890.
- Commercial Electrical Supply Company, St. Louis, Mo. Certain electrical supplies. No. 67,698; Feb. 18; Gaz. vol. 132; p. 1579.
- Commercial Electrical Supply Company, St. Louis, Mo. Soldering paste, salts, and sticks. No. 67,851; Feb. 25; Gaz. vol. 132; p. 1831.
- Commercial Shirt Co., New York, N. Y. Outer shirts made of textile material. No. 67,092; Jan. 14; Gaz. vol. 132; p. 463.
- Common Sense Gum Co., Boston, Mass. Chewing-gum. No. 67,994; Mar. 3; Gaz. vol. 133; p. 224.
- Commonwealth Feed Mills Co., St. Louis, Mo. Alfalfa horse feed. No. 71,804; Dec. 15; Gaz. vol. 137; p. 1705.
- Compagnie des Produits Kemmerich Société Anonyme, Antwerp, Belgium. Extracts of meat. No. 70,952; Oct. 20; Gaz. vol. 136; p. 1763.
- Compañía General de Tabacos de Filipinas, Barcelona, Spain. Cigars. No. 71,285; Nov. 17; Gaz. vol. 137; p. 727.
- Compendium Company Inc., Roanoke, Va. Account-books. No. 69,176; May 26; Gaz. vol. 134; p. 1045.
- Comstock Castle Stove Co., Quincy, Ill. Stoves, ranges, heaters, and parts thereof. No. 67,827; Feb. 18; Gaz. vol. 132; p. 1582.
- Concrete-Steel Engineering Company, New York, N. Y. Metal bars for reinforcing concrete. No. 67,778; Feb. 18; Gaz. vol. 132; p. 1581.
- Condé, F., Oswego, N. Y. Detergent cleaning compounds, soaps, and metal-polishes. No. 70,341; Aug. 25; Gaz. vol. 135; p. 1797.
- Condé, F., Oswego, N. Y. Undershirts and drawers. No. 71,991; Dec. 29; Gaz. vol. 137; p. 2213.
- Condé, H. L., Oswego, N. Y. Soldering metal. No. 68,093; Mar. 10; Gaz. vol. 133; p. 507.
- Conhaim & Co., New York, N. Y. Certain clothing. No. 69,085; May 19; Gaz. vol. 134; p. 770.
- Conklin, H. E., Binghamton, N. Y. Certain poultry and pigeon foods. No. 69,660; June 30; Gaz. vol. 134; p. 2239.
- Connecticut Trading Company, Clinton, Conn. Lamp bodies, burners, brackets, and wicks. No. 71,221; Nov. 10; Gaz. vol. 137; p. 470.
- Connelly, W. A., Boston, Mass. Detergent cleanser and dirt-remover. No. 70,047; July 28; Gaz. vol. 135; p. 889.
- Conqueror Fire Extinguisher Company, Portland, Me. Fire-extinguishers. No. 67,865; Feb. 25; Gaz. vol. 132; p. 1831.
- Conrad, C. H., Chicago, Ill. Coffee. No. 69,063; May 19; Gaz. vol. 134; p. 769.
- Conradty, C., Nuremberg, Germany. Electric and galvanic carbons. No. 70,255; Aug. 18; Gaz. vol. 135; p. 1577.
- Consolidated Packing & Supply Co., New York, N. Y. Packings, pump-valves, gaskets, hose, and belting. No. 70,807; Oct. 6; Gaz. vol. 136; p. 1293.
- Consolidated Soap Company, New York, N. Y. Soap. No. 71,011; Oct. 27; Gaz. vol. 136; p. 1995.
- Constantine, A., Birmingham, England. Certain finger-rings. No. 70,654; Sept. 22; Gaz. vol. 136; p. 843.
- Consumers Brewing Company, Philadelphia, Pa. Ale, beer, and porter. No. 69,616; June 23; Gaz. vol. 134; p. 2024.
- Consumers Brewing Company, Philadelphia, Pa. Ale, beer, and porter. No. 70,220; Aug. 11; Gaz. vol. 135; p. 1358.
- Continental Caoutchouc Company, New York, N. Y. Certain tires and parts thereof. No. 68,683; Apr. 21; Gaz. vol. 133; p. 1931.
- Continental Paper Bag Company, New York, N. Y. Toilet-paper. Nos. 68,329-30; Mar. 31; Gaz. vol. 133; p. 1183.
- Cook & Bernheimer Co., New York, N. Y. Whisky. Nos. 67,203-5; Jan. 21; Gaz. vol. 132; p. 675.
- Cook & Bernheimer Co., New York, N. Y. Whisky. No. 67,954; Feb. 25; Gaz. vol. 132; p. 1834.
- Cook & Bernheimer Co., New York, N. Y. Cocktails. No. 67,955; Feb. 25; Gaz. vol. 132; p. 1834.
- Cook & Bernheimer Co., New York, N. Y. Gin. No. 67,956; Feb. 25; Gaz. vol. 132; p. 1834.
- Cook & Bernheimer Co., New York, N. Y. Cocktails. No. 68,159; Mar. 10; Gaz. vol. 133; p. 509.
- Cook & Coketair, New York, N. Y. Lubricating-oils and lubricating-greases. No. 68,302; Mar. 24; Gaz. vol. 133; p. 987.
- Cooper & Nephews, W., Berkhamsted, England. Dressing for mangle in cattle, horses, and dogs. No. 67,966; Mar. 3; Gaz. vol. 133; p. 223.

Alphabetical list of registrants of trade-marks—Continued.

- Cooper & Nephews, W., Berkhamsted, England. Disinfectant, a sheep-dip, and a cattle-wash. No. 68,513; Apr. 14; Gaz. vol. 133; p. 1674.
- Cooper & Nephews, W., Berkhamsted, England. Liquid preparation to be used as toilet soap. No. 69,129; May 19; Gaz. vol. 134; p. 771.
- Cooper & Nephews, W., Berkhamsted, England. Soil-fumigant. No. 71,012; Oct. 27; Gaz. vol. 136; p. 1995.
- Cooper & Nephews, W., Berkhamsted, England. Spray fluids for fruit-trees. No. 71,620; Dec. 8; Gaz. vol. 137; p. 1477.
- Cooper & Nephews, W., Berkhamsted, England. Spray fluids for fruit-trees. No. 71,633; Dec. 8; Gaz. vol. 137; p. 1477.
- Coplay Cement Manufacturing Company, Philadelphia, Pa. Portland cement. No. 69,073; May 19; Gaz. vol. 134; p. 770.
- Coppins, O. J., Hobart, Ind. Dough cutters and crimpers. No. 68,331; Mar. 31; Gaz. vol. 133; p. 1183.
- Corbett-Taylor Co., Trenton, N. J. Belting, hose, and packing of rubber, leather, or composition. No. 70,425; Sept. 1; Gaz. vol. 136; p. 221.
- Corby Commission Company, New York, N. Y. Canned salmon. No. 71,286; Nov. 17; Gaz. vol. 137; p. 727.
- Corliss Chemical Company, St. Louis, Mo. Certain chemical preparations. No. 69,727; June 30; Gaz. vol. 134; p. 2241.
- Corn Products Manufacturing Company, Chicago, Ill. Stock food. Nos. 67,612-13; Feb. 11; Gaz. vol. 132; p. 1315.
- Corn Products Manufacturing Company, Chicago, Ill. Glucose. No. 69,782; July 7; Gaz. vol. 135; p. 213.
- Corn Products Manufacturing Company, Chicago, Ill. Grape-sugar and corn-sugar. No. 69,783; July 7; Gaz. vol. 135; p. 213.
- Corn Products Manufacturing Company, Jersey City, N. J., and New York, N. Y. Gluten feed. No. 70,725; Sept. 29; Gaz. vol. 136; p. 1063.
- Corn Products Refining Company, Jersey City, N. J. Rubber substitute. No. 68,289; Mar. 24; Gaz. vol. 133; p. 987.
- Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Grape-sugar. No. 69,224; May 26; Gaz. vol. 134; p. 1046.
- Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Corn-oil. No. 69,331; June 9; Gaz. vol. 134; p. 1557.
- Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Corn-oil. No. 69,624; June 23; Gaz. vol. 134; p. 2025.
- Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Corn-syrup, glucose, stock food, and grape-sugar. No. 69,784; July 7; Gaz. vol. 135; p. 213.
- Corn Products Refining Company, Jersey City, N. J., and Chicago, Ill. Gluten feed. No. 70,726; Sept. 29; Gaz. vol. 136; p. 1063.
- Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Corn-oil. No. 70,826; Oct. 6; Gaz. vol. 136; p. 1294.
- Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Gluten feed. No. 71,634; Dec. 8; Gaz. vol. 137; p. 1477.
- Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Dextrins. No. 71,656; Dec. 8; Gaz. vol. 137; p. 1478.
- Cornely, M., New York, N. Y. Certain remedy. No. 67,352; Jan. 28; Gaz. vol. 132; p. 838.
- Cornish Eureka Gold Size Co., San Francisco, Cal. Gold size. No. 71,777; Dec. 15; Gaz. vol. 137; p. 1705.
- Corry Chemical Co., Corry, Pa. Shoe-polish. No. 67,866; Feb. 25; Gaz. vol. 132; p. 1831.
- Cortwright Company, New York, N. Y. Whisky. Nos. 67,093-4; Jan. 14; Gaz. vol. 132; p. 463.
- Cortwright Company, New York, N. Y. Whisky. No. 67,828; Feb. 18; Gaz. vol. 132; p. 1582.
- Costello, J., Grand Rapids, Minn. Certain beverages. No. 71,657; Dec. 8; Gaz. vol. 137; p. 1478.
- Cotten, J. A., Kansas City, Mo. Veterinary medicine. No. 66,901; Jan. 7; Gaz. vol. 132; p. 225.
- Couplin, L. S., Guthrie, Okla. Corn and bunion remedy. No. 88,107; Mar. 10; Gaz. vol. 133; p. 509.
- Couspire, A., New Orleans, La. Lumber, logs, timber, and staves. No. 69,768; July 7; Gaz. vol. 135; p. 213.
- Coventry Company, Providence, R. I. Cotton textile fabrics. Nos. 69,501-8; June 16; Gaz. vol. 134; p. 1799.
- Coventry Company, Providence, R. I. Cotton textile fabrics. No. 70,873; Oct. 13; Gaz. vol. 136; p. 1528.
- Covert Manufacturing Co., Watervliet, N. Y. Certain harness. No. 67,829; Feb. 18; Gaz. vol. 132; p. 1582.
- Covert Manufacturing Co., Watervliet, N. Y. Certain harness. No. 67,887; Feb. 25; Gaz. vol. 132; p. 1832.
- Covert Manufacturing Company, Watervliet, N. Y. Certain hardware. Nos. 68,857-8; May 5; Gaz. vol. 134; p. 251.
- Covert Manufacturing Company, Watervliet, N. Y. Certain harness. Nos. 68,922-4; May 5; Gaz. vol. 134; p. 253.
- Covert Manufacturing Company, Watervliet, N. Y. Certain harness hardware. No. 69,177; May 26; Gaz. vol. 134; p. 1045.
- Coweta Fertilizer Company, Newnan, Ga. Fertilizers. No. 68,941; May 12; Gaz. vol. 134; p. 509.
- Cowgill & Hill Milling Co., Carthage, Mo. Wheat-flour. No. 69,841; July 14; Gaz. vol. 135; p. 445.
- Craig, W. D., Kansas City, Mo. Packing materials consisting of wood shavings. No. 71,329; Nov. 17; Gaz. vol. 137; p. 728.
- Crank & Carrier Mfg. Co., Elmira, N. Y. Certain hand-tools. No. 68,721; Apr. 28; Gaz. vol. 133; p. 2173.
- Cravanette Company Limited, Bradford, England. Certain clothing. No. 67,709; Feb. 18; Gaz. vol. 132; p. 1579.
- Cravanette Company Limited, Bradford, England. Parasols and umbrellas. No. 69,476; June 16; Gaz. vol. 134; p. 1798.
- Cravanette Company, Limited, Bradford, England. Certain waterproofed fabrics. No. 69,743; June 30; Gaz. vol. 134; p. 2241.
- Cravanette Company, Limited, Bradford, England. Vehicle dust-cloths and covers and lap-robes. No. 71,957; Dec. 22; Gaz. vol. 137; p. 1935.
- Crawford, McGregor & Canby Co., Dayton, Ohio. Leather boots and shoes. No. 67,666; Feb. 11; Gaz. vol. 132; p. 1316.
- Crawford, McGregor & Canby Co., Dayton, Ohio. Foot-coverings composed wholly or partly of rubber. No. 70,097; July 28; Gaz. vol. 135; p. 890.
- Crawmer, M. H., Newark, Ohio. Liquid remedy for prolapse, fistula, blind, bleeding, or protruding piles. No. 71,621; Dec. 8; Gaz. vol. 137; p. 1477.
- Cream City Bonnet Frame Works, Milwaukee, Wis. Frames for feminine head-gear. No. 70,754; Sept. 29; Gaz. vol. 136; p. 1064.
- Cream City Roofing and Paint Manufacturing Company, Milwaukee, Wis. Felt and felt-asphalt roofing. No. 71,203; Nov. 10; Gaz. vol. 137; p. 469.
- Creighton & Betts, New York, N. Y. Cotton goods in the piece. No. 71,129; Nov. 3; Gaz. vol. 137; p. 224.
- Crescent Manufacturing Company of Delaware, Wilmington, Del., and Baltimore, Md. Shirt-waists and shirt-waist suits. No. 70,572; Sept. 15; Gaz. vol. 136; p. 654.
- Crescent Tool Co., Jamestown, N. Y. Wrenches and pliers. No. 67,460; Feb. 4; Gaz. vol. 132; p. 1067.
- Crete Mills, Crete, Nebr. Flours made from wheat and rye. No. 69,274; June 2; Gaz. vol. 134; p. 1293.
- Crigler & Crigler, Covington, Ky. Whisky. No. 67,526; Feb. 4; Gaz. vol. 132; p. 1068.
- Crittenden, I. O., Cleveland, Ohio. Veterinary dilators and impregnators. No. 70,280; Aug. 18; Gaz. vol. 135; p. 1578.
- Crocker Grocery Company, Wilkes-Barre, Pa. Certain foods. No. 69,104; May 19; Gaz. vol. 134; p. 771.
- Crocker Grocery Company, Wilkes-Barre, Pa. Coffee and tea. No. 69,700; June 30; Gaz. vol. 134; p. 2240.
- Cross, C. V., San Francisco, Cal. Antiseptic powders. No. 67,289; Jan. 28; Gaz. vol. 132; p. 836.
- Crossman Company, New York, N. Y. Certain jewelry. No. 67,023; Jan. 14; Gaz. vol. 132; p. 461.
- Crouse-Hinds Company. (See Appleton Electric Company, assignor.)
- Crouse-Hinds Company, Syracuse, N. Y. Certain electrical supplies. No. 71,992; Dec. 29; Gaz. vol. 137; p. 2213.
- Crouse, J. R., Cleveland, Ohio. Pamphlets, leaflets, circulars, books, and periodicals devoted to electrical subjects. No. 69,509; June 16; Gaz. vol. 134; p. 1799.
- Crown Company, Nashville, Tenn. Embroidering-hoops. No. 69,802; July 7; Gaz. vol. 135; p. 214.
- Crown Corset Company, New York, N. Y. Corsets. Nos. 69,317-18; June 2; Gaz. vol. 134; p. 1295.
- Crucible Steel Company of America, Pittsburgh, Pa. Steel. Nos. 70,808-9; Oct. 6; Gaz. vol. 136; p. 1293.
- Crutchfield & Woolfolk, Pittsburg, Pa. Celery. No. 69,557; June 23; Gaz. vol. 134; p. 2023.
- Crystal Carbonate Lime Company, Louisiana, Mo. Poultry food. No. 67,308; Jan. 28; Gaz. vol. 132; p. 837.
- Crystal Gelatine Company, Boston, Mass. Gelatin. No. 70,410; Aug. 25; Gaz. vol. 135; p. 1799.
- Cudahy Packing Co., Chicago, Ill., and South Omaha, Nebr. Abrasive scouring-soap. No. 68,007; Mar. 3; Gaz. vol. 133; p. 224.
- Cudahy Packing Co., Chicago, Ill., and South Omaha, Nebr. Abrasive soap. No. 68,23; Mar. 17; Gaz. vol. 133; p. 757.
- Gugley, A., Philadelphia, Pa. Bird foods. No. 71,635; Dec. 8; Gaz. vol. 137; p. 1477.
- Gugley & Mullen, Philadelphia, Pa. Canary birds. No. 68,290; Mar. 24; Gaz. vol. 133; p. 987.
- Culver, K., West Jordan, Utah. Hair-tonic. No. 68,514; Apr. 14; Gaz. vol. 133; p. 1674.
- Cundy-Bettoney Company, Boston, Mass. Flutes, clarinets, drums, cornets, and their cases. No. 67,760; Feb. 18; Gaz. vol. 132; p. 1581.
- Cunningham, A. C., Norfolk, Va. Coal-tar paint. No. 70,810; Oct. 6; Gaz. vol. 136; p. 1293.
- Curtis Brothers Company, Rochester, N. Y. Preserved fruits and canned vegetables. No. 71,013; Oct. 27; Gaz. vol. 136; p. 1995.
- Curtis & Harvey, Limited, London, England. Certain explosives. Nos. 70,923-6; Oct. 20; Gaz. vol. 136; p. 1763.
- Curtiss Medicine Company, Denver, Colo. Certain medicines. No. 68,346; Mar. 31; Gaz. vol. 133; p. 1183.
- Cushman Company, Springfield, Mass. Magazine. No. 70,953; Oct. 20; Gaz. vol. 136; p. 1763.
- Cutler, C. F., Deep River, Iowa. Veterinary worm-powders. No. 69,803; July 7; Gaz. vol. 135; p. 214.
- Cutler Shoe Company, Chicago, Ill. Boots, shoes, oxfords, and slippers. No. 71,993; Dec. 29; Gaz. vol. 137; p. 2213.
- Cyphers Incubator Company, Buffalo, N. Y. Incubators. No. 70,014; Oct. 27; Gaz. vol. 136; p. 1995.
- D. Bradley & Son, Pleasantville and New York, N. Y. Certain toilet preparations. No. 69,489; June 16; Gaz. vol. 134; p. 1798.
- D. Ransom, Son and Company, Buffalo, N. Y. Liniment. No. 70,519; Sept. 8; Gaz. vol. 136; p. 434.
- D. R. Bradley & Son, Pleasantville and New York, N. Y. Soap. No. 69,130; May 19; Gaz. vol. 134; p. 771.
- Dabo, L. S., Atlantic City, N. J. Weekly magazine. No. 69,403; June 9; Gaz. vol. 134; p. 1559.
- Dahnke-Walker Milling Co., Union City, Tenn. Cornmeal. No. 69,355; June 9; Gaz. vol. 134; p. 1558.
- Dailey, H. and T., Fall River, Mass. Tonic beverage. No. 67,892; Feb. 25; Gaz. vol. 132; p. 1832.

Alphabetical list of registrants of trade-marks—Continued.

- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Leather-dressing and leather-blackening. No. 68,797; Apr. 28; Gaz. vol. 133; p. 2175.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain electrical apparatus and machines. No. 68,828; Apr. 28; Gaz. vol. 133; p. 2176.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain clothing. No. 68,842; Apr. 28; Gaz. vol. 133; p. 2176.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain road-vehicles and boats. No. 68,925; May 5; Gaz. vol. 134; p. 253.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain vehicles and parts thereof. No. 69,756; June 30; Gaz. vol. 134; p. 2241.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Oils, greases, and petroleum products. No. 71,287; Nov. 17; Gaz. vol. 137; p. 727.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain measures and optical goods. No. 71,288; Nov. 17; Gaz. vol. 137; p. 727.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain surgical goods and medicine-chests. No. 71,330; Nov. 17; Gaz. vol. 137; p. 728.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain heating and lighting apparatus. No. 71,331; Nov. 17; Gaz. vol. 137; p. 728.
- Dairy Queen Churn Company, Calistoga, Cal., and Monmouth, Ill. Churns. No. 70,256; Aug. 18; Gaz. vol. 135; p. 1577.
- Dale, J. T., assignor to Jap-A-Jap Company, Wichita, Kans. Salves and ointments. No. 71,501; Dec. 1; Gaz. vol. 137; p. 1231.
- Dalglish, W. D., Glenbrook, Conn. Gold paste for decorating. No. 67,070; Jan. 14; Gaz. vol. 132; p. 462.
- Dallman & Cooper Supply Company, Fond du Lac, Wis. Paints. No. 72,062; Dec. 29; Gaz. vol. 137; p. 2215.
- Dalmatia Co., Bridgeport, Conn. Blood-purifier. No. 71,916; Dec. 22; Gaz. vol. 137; p. 1934.
- Dana, A. N., Boston, Mass. Felt and wire hat-frames. No. 69,980; July 21; Gaz. vol. 135; p. 658.
- Dannemiller Coffee Co., Brooklyn, N. Y. Coffees and teas. No. 67,548; Feb. 11; Gaz. vol. 132; p. 1313.
- Darling, H. B., Washington, D. C. Certain publications. No. 67,176; Jan. 21; Gaz. vol. 132; p. 674.
- Darling, W. F., West Derry, N. H. Remedy for certain diseases. No. 68,436; Apr. 7; Gaz. vol. 133; p. 1430.
- Dart, A. L. & J. W., St. Paul, Minn. Candies and salted nuts. No. 68,704; Apr. 21; Gaz. vol. 133; p. 1932.
- Davenport, J. B., Augusta, Ga. Remedy for fever and ague and malarial affections. No. 68,535; Apr. 14; Gaz. vol. 133; p. 1674.
- Davenport Woolen Mills Co., Davenport, Iowa. Ladies' walking-skirts and petticoats. No. 68,843; Apr. 28; Gaz. vol. 133; p. 2176.
- David Brown & Son, Limited, Donaghmore, Ireland. Perfumed soap. No. 69,842; July 14; Gaz. vol. 135; p. 445.
- David E. Foutz Co., Baltimore, Md. Certain remedy. No. 67,330; Jan. 28; Gaz. vol. 132; p. 837.
- Davidovitz, D., New York, N. Y. Women's leather shoes. No. 71,994; Dec. 29; Gaz. vol. 137; p. 2213.
- Davidovitz, D., New York, N. Y. Leather boots, shoes, and slippers. No. 71,996; Dec. 29; Gaz. vol. 137; p. 2213.
- Davidson, J. M., Paris, France. Parts of machinery for transmission purposes. No. 67,779; Feb. 18; Gaz. vol. 132; p. 1581.
- Davies-Williams Company, Akron, Ohio. Candies. No. 68,742; Apr. 28; Gaz. vol. 133; p. 2174.
- Davis Chemical Company, Denver, Colo. Uterine tonic. No. 67,540; Feb. 11; Gaz. vol. 132; p. 1313.
- Davis Chemical Company, Denver, Colo. Certain remedy. No. 67,541; Feb. 11; Gaz. vol. 132; p. 1313.
- Davis Chemical Company, Denver, Colo. Certain medicines. No. 67,595; Feb. 11; Gaz. vol. 132; p. 1314.
- Davis Hosiery Mills, Chattanooga, Tenn. Hosiery. No. 70,281; Aug. 18; Gaz. vol. 135; p. 1578.
- Davis Hosiery Mills, Chattanooga, Tenn. Hosiery. Nos. 70,874-5; Oct. 13; Gaz. vol. 136; p. 1528.
- Davis Hosiery Mills, Chattanooga, Tenn. Hosiery. No. 71,044; Oct. 27; Gaz. vol. 136; p. 1995.
- Davis Hosiery Mills, Chattanooga, Tenn. Hosiery. No. 71,433; Nov. 24; Gaz. vol. 137; p. 973.
- Davis, J., Chicago, Ill. Pressed-paper wall-covering. No. 69,093; May 19; Gaz. vol. 134; p. 770.
- Davis, J. B., Blackfoot, Idaho. Ointment. No. 70,098; July 28; Gaz. vol. 135; p. 890.
- Davis & Johnson, Dido, Va. Canned fish-roe. No. 69,558; June 23; Gaz. vol. 134; p. 2023.
- Dawson & Co., R. T., Baltimore, Md. Whisky. No. 67,095; Jan. 14; Gaz. vol. 132; p. 463.
- Dawson, J. W., Ward, W. Va. Special prepared bituminous coal. No. 67,542; Feb. 11; Gaz. vol. 132; p. 1313.
- Dawson & Seaver, New York, N. Y. Wheat-flour. No. 71,778; Dec. 15; Gaz. vol. 137; p. 1705.
- Dayton Breweries Company, Dayton, Ohio. Beer. No. 71,679; Dec. 8; Gaz. vol. 137; p. 1479.
- De Ford, P. F., Pasadena, Cal. Solid drug extract compound. No. 70,504; Sept. 8; Gaz. vol. 136; p. 433.
- De Forest, H. W., St. John, New Brunswick, Canada, and St. John's, Newfoundland. Teas. No. 68,495; Apr. 14; Gaz. vol. 133; p. 1673.
- De Long Hook and Eye Company, Philadelphia, Pa. Hair-pins. No. 69,404; June 9; Gaz. vol. 134; p. 1559.
- De Miracle Chemical Co., New York, N. Y. Toilet cream and freckle-eradicator. No. 67,906; Feb. 25; Gaz. vol. 132; p. 1832.
- De Vecchi, P., Milan, Italy. Stomach tonics or bitters. No. 67,967; Mar. 3; Gaz. vol. 133; p. 223.
- De Witt Grocery Co., Brattleboro, Vt. Mince-meat, canned fruits, and canned vegetables. No. 68,134; Mar. 10; Gaz. vol. 133; p. 508.
- De Witt, J. D., Easton, Pa. Antiseptic hygienic powder. No. 69,260; June 2; Gaz. vol. 134; p. 1293.
- De Zouche, Hanson & Co., Philadelphia, Pa. Packing of metal, asbestos, rubber, and fabric. No. 69,909; July 14; Gaz. vol. 135; p. 447.
- Dean Brothers Steam Pump Works, Indianapolis, Ind. Steam-pumping machinery. No. 69,991; July 21; Gaz. vol. 135; p. 658.
- Dean Medicine Company, Milwaukee, Wis. Mentholated cough-drops. No. 69,992; July 21; Gaz. vol. 135; p. 659.
- Debar, J., Cincinnati, Ohio. Whisky. No. 68,653; Apr. 21; Gaz. vol. 133; p. 1930.
- Decatur Brewing Company, Decatur, Ill. Malt beverage. No. 71,204; Nov. 10; Gaz. vol. 137; p. 469.
- Decatur Cereal Company, Decatur, Ill. Hominy feed. No. 71,890; Dec. 22; Gaz. vol. 137; p. 1933.
- Decatur Fountain Company, Decatur, Ill. Soda-fountains. No. 69,061; May 19; Gaz. vol. 134; p. 769.
- Deck, D. C., Indianapolis, Ind. Pile remedy. No. 69,259; June 2; Gaz. vol. 134; p. 1293.
- Deck, D. C., Keokuk, Iowa. Hog-tongs and hog-ringers. No. 71,084; Oct. 27; Gaz. vol. 136; p. 1997.
- Decker, A. C., Keokuk, Iowa. Animal-rings. No. 71,085; Oct. 27; Gaz. vol. 136; p. 1997.
- Deering, Milliken & Co., New York, N. Y. Bleached cotton goods in the piece. Nos. 70,876-7; Oct. 13; Gaz. vol. 136; p. 1528.
- Deering, Milliken & Co., New York, N. Y. Bleached cotton goods in the piece. Nos. 71,958-61; Dec. 22; Gaz. vol. 137; p. 1935.
- Defiance Machine Works, Defiance, Ohio. Woodworking machinery. No. 71,255; Nov. 10; Gaz. vol. 137; p. 471.
- Dehls & Stein, Incorporated, New York, N. Y. Cleansing, sterilizing, and purifying fluid. No. 68,437; Apr. 7; Gaz. vol. 133; p. 1430.
- Deisel-Wemmer Company, Lima, Ohio. Cigars. No. 71,222; Nov. 10; Gaz. vol. 137; p. 470.
- Del Galzo, V., Naples, Italy. Tomato-sauce. No. 67,043; Jan. 14; Gaz. vol. 132; p. 462.
- Delaney & Co., J. M., New York, N. Y. Certain leather goods. No. 66,980; Jan. 7; Gaz. vol. 132; p. 227.
- Delaney & Co., J. M., New York, N. Y. Certain leather articles. Nos. 67,374-5; Jan. 28; Gaz. vol. 132; p. 839.
- Delaney & Co., J. M., New York, N. Y. Sole-leather. No. 71,622; Dec. 8; Gaz. vol. 137; p. 1477.
- Delano, Potter & Co., Boston, Mass. Tea. Nos. 69,035-6; May 10; Gaz. vol. 134; p. 769.
- Delavan, T. C., New York, N. Y. Tooth-powder. No. 68,536; Apr. 14; Gaz. vol. 133; p. 1674.
- Delheim & Co., W. L., Birmingham, Ala. Ginger-ale. No. 68,722; Apr. 28; Gaz. vol. 133; p. 2173.
- Delmar Drug Co., Baltimore, Md. Headache-tablets. No. 67,614; Feb. 11; Gaz. vol. 132; p. 1315.
- Delong, Seaman & Company. (See Shirvell, E., assignor.)
- Dempsey & Co., P., Boston, Mass. Whisky. No. 67,206; Jan. 21; Gaz. vol. 132; p. 675.
- Dempsey & Co., P., Boston, Mass. Certain wines. No. 69,804; July 7; Gaz. vol. 135; p. 214.
- Dennison Manufacturing Company, Boston, Mass. Certain paper and paper articles. No. 68,660; Apr. 21; Gaz. vol. 133; p. 1931.
- Dennison Manufacturing Company, Boston, Mass. Crane-paper. No. 68,870; May 5; Gaz. vol. 134; p. 251.
- Dennison Manufacturing Company, Boston, Mass. Mucilage, glue, sealing-wax, and paste. No. 70,257; Aug. 18; Gaz. vol. 135; p. 1577.
- Dennison Manufacturing Company, Boston, Mass. Certain paper articles. No. 70,423; Sept. 1; Gaz. vol. 136; p. 221.
- Dentists' Supply Co., New York, N. Y., and York, Pa. Porcelain teeth. No. 70,927; Oct. 20; Gaz. vol. 136; p. 1763.
- Dento Chemical Company, Stockton, Cal. Certain table-salt. No. 69,332; June 9; Gaz. vol. 134; p. 1557.
- Deperdussin, H., Paris, France, assignor to Pasteur Vaccine Company Limited, London, England. Germicides and disinfectants. No. 67,011; Jan. 14; Gaz. vol. 132; p. 461.
- Dermatone Company, Chicago, Ill. Ointment. No. 66,902; Jan. 7; Gaz. vol. 132; p. 225.
- Dermatone Company, Chicago, Ill. Certain medicines. No. 67,136; Jan. 21; Gaz. vol. 132; p. 673.
- Des Moines Hosiery Mills, Des Moines, Iowa. Hosiery. No. 70,954; Oct. 20; Gaz. vol. 136; p. 1764.
- Desjardins, J., Fall River, Mass. Wooden pipes. No. 70,365; Aug. 25; Gaz. vol. 135; p. 1798.
- Destrempe, P., Lowell, Mass. Curative ointments. No. 67,761; Feb. 18; Gaz. vol. 132; p. 1581.
- Detrick & Harvey Machine Co. of Baltimore City, Baltimore, Md. Open-side planers. No. 67,223; Jan. 21; Gaz. vol. 132; p. 675.
- Detroit Lubricator Co., Detroit, Mich. Valves and low-water indicators. No. 68,760; Apr. 28; Gaz. vol. 133; p. 2174.
- Detroit Lubricator Co., Detroit, Mich. Water-gages. No. 69,105; May 19; Gaz. vol. 134; p. 771.
- Detroit Lubricator Co., Detroit, Mich. Certain machinery and parts thereof. No. 69,785; July 7; Gaz. vol. 135; p. 213.
- Detroit Milling Company, Adrian, Mich. Wheat-flour. No. 71,779; Dec. 15; Gaz. vol. 137; p. 1705.
- Detroit Oak Belting Co., Detroit, Mich. Leather belting. No. 67,177; Jan. 21; Gaz. vol. 132; p. 674.

Alphabetical list of registrants of trade-marks—Continued.

- Detroit Oak Belting Co., Detroit, Mich. Leather belting. No. 67,331; Jan. 28; Gaz. vol. 132; p. 837.
 Detroit Oak Belting Co., Detroit, Mich. Leather belting. No. 72,038; Dec. 29; Gaz. vol. 137; p. 2214.
 Detroit Stove Works, Detroit, Mich. Stoves, furnaces, and ranges and all parts thereof. No. 70,366; Aug. 25; Gaz. vol. 135; p. 1798.
 Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Electric incandescent and arc lamps. No. 70,573; Sept. 15; Gaz. vol. 136; p. 654.
 Deutsche Steinholzwerke, Langguth & Platz, Charlottenburg, Germany, assignor to United States Dolomont Co., Ltd., London, England. Artificial stone for interior decoration. No. 69,178; May 26; Gaz. vol. 134; p. 1045.
 Deutsche St-Si Werke mit beschränkter Haftung, Hamburg, Germany. Lemonade, seltzer water, and fruit-juices. No. 69,805; July 7; Gaz. vol. 135; p. 214.
 Deutsche Waffen-und Munitionsfabriken, Berlin, Germany. Ball-bearings and parts thereof. No. 69,337; June 9; Gaz. vol. 134; p. 1557.
 Develon, T., Jr., Philadelphia, Pa. Wilton rugs. Nos. 70,983-4; Oct. 20; Gaz. vol. 136; p. 1764.
 Develon, T., Jr., Philadelphia, Pa. Wilton rugs. No. 71,045; Oct. 27; Gaz. vol. 136; p. 1996.
 Dewsbury, A., Walsall, England. Certain metal articles. No. 67,006; Jan. 14; Gaz. vol. 132; p. 461.
 Dewsbury & Son, J., Walsall, England. Certain metal manufactures. No. 66,919; Jan. 7; Gaz. vol. 132; p. 225.
 Dexine Patent Packing and Rubber Company Limited, London, England. Rubber sheeting. No. 69,122; May 19; Gaz. vol. 134; p. 771.
 Dexter Brothers Co., Boston, Mass. Damp-proofing colorless liquid coating for cement, brick, or stone. No. 70,985; Oct. 20; Gaz. vol. 136; p. 1764.
 Diamond Chain and Manufacturing Company, Indianapolis, Ind. Chains. No. 70,445; Sept. 1; Gaz. vol. 133; p. 221.
 Dick, F., Esslingen, Germany. Butchers' knives and steels. No. 71,373; Nov. 24; Gaz. vol. 137; p. 971.
 Dick, J., Canton, Ohio. Feed and ensilage cutters. No. 68,214; Mar. 17; Gaz. vol. 133; p. 757.
 Dickinson, H., Huddersfield, England. Woollen piece goods. No. 69,645; June 23; Gaz. vol. 134; p. 2025.
 Dickinson, J. H., New York, N. Y. Facial tonic and facial cream. No. 70,099; July 28; Gaz. vol. 135; p. 890.
 Dielectric Manufacturing Company, St. Louis, Mo. Electric-coil-insulating compound. No. 67,290; Jan. 28; Gaz. vol. 132; p. 836.
 Dix Manufacturing Company, Lewistown, Pa. Certain medicines. No. 67,596; Feb. 11; Gaz. vol. 132; p. 1314.
 Dizer-Copeland Co., Brockton, Mass. Leather boots, shoes, and slippers. No. 70,546; Sept. 15; Gaz. vol. 136; p. 653.
 Dobbins, E. J., London, England. Window-glass. No. 69,550; June 23; Gaz. vol. 134; p. 2023.
 Dock & Coal Co., Plattsburg, N. Y. Stock feed. No. 69,452; June 16; Gaz. vol. 134; p. 1798.
 Dodge City Milling & Elevator Company, Dodge City, Kans. Wheat-flour. No. 69,686; June 30; Gaz. vol. 134; p. 2239.
 Dodge City Milling & Elevator Company, Dodge City, Kans. Wheat-flour. No. 71,289; Nov. 17; Gaz. vol. 137; p. 727.
 Dodge & Starkel, Chicago, Ill. Smoked sardines packed in oil. No. 68,135; Mar. 10; Gaz. vol. 133; p. 508.
 Dodson, M. J., Houston, Tex. Scalp food. No. 67,615; Feb. 11; Gaz. vol. 132; p. 1315.
 Doherty, E., deceased; M. J. Doherty, New York, N. Y., executrix. Dental rubber. No. 68,187; Mar. 10; Gaz. vol. 133; p. 510.
 Doherty, M. J., executrix. (See Doherty, E.)
 Dollfus-Mieg & Cie. Société anonyme, Mulhausen, Germany. Certain yarns, sewing-cotton, thread, and silk. No. 69,438; June 16; Gaz. vol. 134; p. 1797.
 Dollfus-Mieg & Cie. Société anonyme, Mulhouse, Germany. Certain yarns and threads. No. 70,827; Oct. 6; Gaz. vol. 136; p. 1294.
 Dollfus-Mieg & Cie. Société anonyme, Mulhouse, Germany. Yarns and threads. Nos. 70,360-1; Aug. 25; Gaz. vol. 135; p. 1798.
 Dollfus-Mieg & Cie. Société anonyme, Mulhouse, Germany. Fancy trimmings and braids. Nos. 71,937-9; Dec. 22; Gaz. vol. 137; p. 1935.
 Domestic Science Mfg. Co., Boston, Mass. Flavoring extracts. No. 67,710; Feb. 18; Gaz. vol. 132; p. 1579.
 Donaldson-Shultz Co., Baltimore, Md. Pickles, catsup, and vinegar. No. 67,178; Jan. 21; Gaz. vol. 132; p. 674.
 Doniphon & Co., St. Joseph, Mo. Chewing-gum. No. 66,769; July 7; Gaz. vol. 135; p. 213.
 Donovan, W. T., St. Albans, Vt. Certain tobacco products. No. 69,661; June 30; Gaz. vol. 134; p. 2239.
 Doremus, W. T., Flanders, N. J. Calendars. No. 70,367; Aug. 25; Gaz. vol. 135; p. 1798.
 Dorothy Dodd Shoe Co., Boston, Mass. Leather and canvas boots and shoes. No. 68,060; Mar. 3; Gaz. vol. 133; p. 225.
 Dorothy Dodd Shoe Company, Boston, Mass. Hosiery. No. 70,477; Sept. 8; Gaz. vol. 136; p. 433.
 Dorr, S. G., Los Angeles, Cal. California olives and California olive-oil. No. 71,891; Dec. 22; Gaz. vol. 137; p. 1933.
 Dovenmuehle & Son, H. F. C., Chicago, Ill. Leather shoes and boots. No. 69,302; June 2; Gaz. vol. 134; p. 1294.
 Dowd & Co., J. C., New York, N. Y. Hair-brushes and nail and tooth brushes. No. 67,780; Feb. 18; Gaz. vol. 132; p. 1581.
 Downing, Clark & Company, New York, N. Y. Woollen and worsted cloth. No. 69,149; May 19; Gaz. vol. 134; p. 772.
 Downing Taylor Co., Springfield, Mass. Canned vegetables and fruits. No. 70,282; Aug. 18; Gaz. vol. 135; p. 1578.
 Dowsley, A. M., Cando, N. D. Medicine for purifying the blood. No. 67,589; Feb. 11; Gaz. vol. 132; p. 1314.
 Dr. Buber Medical Company, Erie, Pa. Certain medicines. No. 71,434; Nov. 24; Gaz. vol. 137; p. 973.
 Dr. Hunter Chemical Company, New York, N. Y. Tablets for diseases of the blood and the nervous system. No. 66,905; Jan. 7; Gaz. vol. 132; p. 225.
 Dr. J. A. Deane Company, Kingston, N. Y. Dyspepsia-pills. No. 69,881; July 14; Gaz. vol. 135; p. 446.
 Dr. J. H. McLean Medicine Company, St. Louis, Mo. Medicated tablets. No. 70,238; Aug. 11; Gaz. vol. 135; p. 1358.
 Dr. J. H. McLean Medicine Company, St. Louis, Mo. Oil liniment. No. 70,755; Sept. 29; Gaz. vol. 136; p. 1064.
 Dr. J. H. McLean Medicine Company, St. Louis, Mo. Certain medicines. No. 71,015; Oct. 27; Gaz. vol. 136; p. 1995.
 Dr. J. J. Krom Co., Atlanta, Ga. Remedy for diseases of the scalp. No. 69,131; May 19; Gaz. vol. 134; p. 771.
 Dr. Jaeger's Sanitary Woollen System Co., New York, N. Y. Certain clothing. Nos. 69,200-1; May 26; Gaz. vol. 134; p. 1046.
 Dr. Magoris Home Treatment Company, Binghamton, N. Y. Menstruums for solids, pastes, and pills. No. 71,502; Dec. 1; Gaz. vol. 137; p. 1231.
 Dr. S. A. Richmond Nervine Co., St. Joseph, Mo. Remedy for the nerves and nervous disorders. No. 70,160; Aug. 4; Gaz. vol. 135; p. 1118.
 Drägerwerk, Heir. u. Bernh. Dräger, Lübeck, Germany. Certain surgical apparatus. No. 70,427; Sept. 1; Gaz. vol. 136; p. 221.
 Drake & Company, Easton, Pa. Dried fruits and catsup. No. 66,948; Jan. 7; Gaz. vol. 132; p. 226.
 Drake & Company, Easton, Pa. Table-salt, blue, and ammonia. No. 67,291; Jan. 28; Gaz. vol. 132; p. 836.
 Draknel Company, Wheeling, W. Va. Stogies and cigars. No. 72,063; Dec. 29; Gaz. vol. 137; p. 22.5.
 Draper Company, Portland, Me., and Hopedale, Mass. Loom-templates. No. 70,986; Oct. 20; Gaz. vol. 136; p. 1764.
 Draper & Hirsch, Milford, Del. Canned fruits and vegetables. Nos. 69,356-7; June 9; Gaz. vol. 134; p. 1558.
 Dresel, C., Sonoma, Cal. Wines. No. 68,044; Mar. 3; Gaz. vol. 133; p. 225.
 Dresser, H. B., Liverpool, England. Emery (grain) used for cleaning rice and other hard grain. No. 70,248; Aug. 18; Gaz. vol. 135; p. 1577.
 Dreyfus Bros., Montgomery, Ala. Peanut-candy. No. 66,920; Jan. 7; Gaz. vol. 132; p. 225.
 Driver-Harris Wire Company, Harrison, N. J. Resistance-wire. No. 70,205; Aug. 11; Gaz. vol. 135; p. 1357.
 Droesch, S. R., New York, N. Y. Hones and oilstones and whetstones. No. 70,032; July 28; Gaz. vol. 135; p. 889.
 Druck Brothers, St. Paul, Minn. Suspenders and neckties. No. 68,818; Apr. 28; Gaz. vol. 133; p. 2176.
 Druschel, H., Philadelphia, Pa. Clutch-pulleys. No. 70,597; Sept. 15; Gaz. vol. 136; p. 654.
 Dryden, E. E., Los Angeles, Cal. Certain furniture. No. 69,477; June 16; Gaz. vol. 134; p. 1798.
 Du Bois Brewing Co., Du Bois, Pa. Beer. No. 70,987; Oct. 20; Gaz. vol. 136; p. 1764.
 Dublin, H., New York, N. Y. Canned fresh cape lobster. No. 71,780; Dec. 15; Gaz. vol. 137; p. 1705.
 Duck, C. E., Baltimore, Md. Tooth-powder. No. 67,353; Jan. 28; Gaz. vol. 132; p. 838.
 Dudgeon, R., deceased; W. M. Dudgeon, executor, New York, N. Y. Hydraulic jacks. No. 68,761; Apr. 28; Gaz. vol. 133; p. 2174.
 Dudgeon, W. M., executor. (See Dudgeon, R.)
 Duffy Malt Whiskey Co., Rochester, N. Y. Straight malt whiskey. No. 70,623; Sept. 15; Gaz. vol. 136; p. 655.
 Duluth-Superior Milling Co., Duluth, Minn. Wheat-flour. No. 68,915; May 5; Gaz. vol. 134; p. 252.
 Duluth-Superior Milling Co., Duluth, Minn. Wheat-flour. No. 69,358; June 9; Gaz. vol. 134; p. 1558.
 Dumke, J. C. R., Chicago, Ill. Cigars. No. 70,074; July 28; Gaz. vol. 135; p. 890.
 Duncombe, C. W. R., Helmsley, London, England. Embrocations and lotions. No. 71,009; Oct. 27; Gaz. vol. 136; p. 1995.
 Dunford Roof & Bridge Paint Manufacturing Co., Atlanta, Ga. Paint. No. 71,658; Dec. 8; Gaz. vol. 137; p. 1478.
 Dunlevy & Brother, Pittsburg, Pa. Lard. No. 68,634; Apr. 21; Gaz. vol. 133; p. 1930.
 Dunlop Milling Company, Clarksville, Tenn. Wheat-flour. No. 69,993; July 21; Gaz. vol. 135; p. 659.
 Duparquet, Huot & Monouse Co., New York, N. Y. Certain stoves. No. 67,332; Jan. 28; Gaz. vol. 132; p. 837.
 Duparquet, Huot & Monouse Company, New York, N. Y. Certain ranges and furnaces. No. 68,661; Apr. 21; Gaz. vol. 133; p. 1931.
 Dupell, C. E., Brooklyn, N. Y. Liniments. No. 69,380; June 9; Gaz. vol. 134; p. 1558.
 Durant-Dort Carriage Company, Flint, Mich. Certain vehicles. No. 71,805; Dec. 15; Gaz. vol. 137; p. 1705.
 Durant Electric Supplies Co., Chicago, Ill. Insulated wire. No. 68,203; Mar. 17; Gaz. vol. 133; p. 757.
 Durham Safety Razor Co., New York, N. Y. Razors. No. 70,855; Oct. 13; Gaz. vol. 136; p. 1527.
 Durst Milling Company, Dayton, Ohio. Wheat-flour. No. 70,342; Aug. 25; Gaz. vol. 135; p. 1797.
 Dusel, Goodloe & Co., Incorporated, Philadelphia, Pa. Pipes. No. 68,332; Mar. 31; Gaz. vol. 133; p. 1183.
 E. Howard Watch Co., Riverside, N. J., and Waltham, Mass. Watches. No. 71,680; Dec. 8; Gaz. vol. 137; p. 1479.

Alphabetical list of registrants of trade-marks—Continued.

- E. Klein Supply Company, New York, N. Y. Desiccated potatoes, ground or in the form of meal. No. 69,843; July 14; Gaz. vol. 135; p. 445.
- E. Martin & Co., San Francisco, Cal. Whisky. No. 67,207; Jan. 21; Gaz. vol. 132; p. 675.
- E. A. Mallory and Sons, Incorporated, Danbury, Conn. Felt hats. No. 70,547; Sept. 15; Gaz. vol. 136; p. 653.
- E. C. Atkins & Company, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; New Orleans, La.; Portland, Oreg.; Seattle, Wash.; San Francisco, Cal.; Chicago, Ill.; and Hamilton, Ontario, Canada. Beltings, hose, and packings. Nos. 71,464-5; Nov. 24; Gaz. vol. 137; p. 974.
- E. C. Atkins & Company, Indianapolis, Ind.; Atlanta, Ga.; Chicago, Ill.; Memphis, Tenn.; Minneapolis, Minn.; New Orleans, La.; New York, N. Y.; Portland, Oreg.; San Francisco, Cal.; Seattle, Wash.; and Hamilton, Ontario, Canada. Rubber and fabric beltings, hose, and packings. No. 71,589; Dec. 1; Gaz. vol. 137; p. 1233.
- E. C. De Witt & Company, Chicago, Ill. Remedies for the relief of kidney, bladder, and liver troubles. No. 68,905; May 5; Gaz. vol. 134; p. 252.
- E. C. De Witt & Company, Chicago, Ill. Chewing-gum. No. 71,290; Nov. 17; Gaz. vol. 137; p. 727.
- E. E. Post Co., Utica, N. Y. Saccharine butter. No. 67,487; Feb. 4; Gaz. vol. 133; p. 1067.
- E. H. Jacobs Manufacturing Company, Killingly, Conn. Loom-pickers and lug-straps. No. 67,488; Feb. 4; Gaz. vol. 132; p. 1067.
- E. H. Jacobs Manufacturing Company, Killingly, Conn. Lug-straps. No. 68,333; Mar. 31; Gaz. vol. 133; p. 1183.
- E. I. du Pont de Nemours Powder Company. (See Eastern Dynamite Company, assignor.)
- E. I. du Pont de Nemours Powder Company, Hoboken, N. J. High explosives. No. 69,478; June 16; Gaz. vol. 134; p. 1798.
- E. I. du Pont de Nemours Powder Company, Wilmington, Del. Gunpowder. No. 69,479; June 16; Gaz. vol. 134; p. 1798.
- E. I. Horsman Co., New York, N. Y. Certain game. No. 67,253; Jan. 28; Gaz. vol. 132; p. 835.
- E. M. Chase Company, Nebraska City, Nebr. Flavoring extracts for foods. No. 69,106; May 19; Gaz. vol. 134; p. 771.
- E. T. Smith Company, Worcester, Mass. Canned fruits, canned berries, and canned vegetables. No. 67,157; Jan. 21; Gaz. vol. 132; p. 673.
- E. T. Smith Company, Worcester, Mass. Canned fish, clams, lobsters, shrimps, and chowder. No. 67,309; Jan. 28; Gaz. vol. 132; p. 837.
- E. W. Conklin & Son, Inc., Binghamton, N. Y. Oyster-shells, clam-shells, and grit for poultry. No. 70,118; Aug. 4; Gaz. vol. 135; p. 1117.
- Eagle Lock Co., Terryville, Conn. Padlocks. No. 69,828; July 7; Gaz. vol. 135; p. 214.
- Eagle Paper Company, Richmond, Va. Bags of paper. No. 71,466; Nov. 24; Gaz. vol. 137; p. 974.
- Eagle Pencil Company, New York, N. Y. Lead-pencils. No. 69,248; June 2; Gaz. vol. 134; p. 1293.
- Eagle Pencil Company, New York, N. Y. Lead-pencils. No. 69,625; June 23; Gaz. vol. 134; p. 2025.
- Eagle Pencil Company, New York, N. Y. Lead-pencils. No. 70,598; Sept. 15; Gaz. vol. 136; p. 654.
- Eagle Pencil Company, New York, N. Y. Fountain-pens and stenographic pens. No. 71,046; Oct. 27; Gaz. vol. 136; p. 1996.
- Eagle Pencil Company, New York, N. Y. Lead-pencils. Nos. 71,047-8; Oct. 27; Gaz. vol. 136; p. 1996.
- Eagle Pencil Company, New York, N. Y. Lead-pencils. No. 71,223; Nov. 10; Gaz. vol. 137; p. 470.
- Eagle Tobacco Co., Quincy, Ill. Plug-tobacco. No. 68,992; May 12; Gaz. vol. 134; p. 510.
- Eagle Tool Co., Cincinnati, Ohio. Clothes-washing machines. No. 68,008; Mar. 3; Gaz. vol. 133; p. 223.
- Earl & Wilson, Troy, N. Y. Shirts, collars, and cuffs. No. 69,806; July 7; Gaz. vol. 135; p. 214.
- Earl's Best Pharmaceutical Company, Tarrytown, N. Y. Remedies for certain diseases. No. 69,490; June 16; Gaz. vol. 134; p. 1798.
- East Hartford Manufacturing Company, Burnside, Conn. Printing and writing paper, tablets, pads, and envelopes. No. 69,338; June 9; Gaz. vol. 134; p. 1557.
- East India Coffee Company, Boston, Mass. Tea, coffee, and chocolate. No. 68,644; Apr. 21; Gaz. vol. 133; p. 1930.
- Eastern Dynamite Company, Kenvil, N. J., assignor to E. I. du Pont de Nemours Powder Company. High explosives. No. 69,701; June 30; Gaz. vol. 134; p. 2240.
- Eastern Dynamite Company, Kenvil, N. J., assignor to E. I. du Pont de Nemours Powder Company. High explosives and blasting caps and fuses. No. 72,064; Dec. 29; Gaz. vol. 137; p. 2215.
- Eastman Kodak Co., Rochester, N. Y. Certain chemical solutions and compounds and preparations. No. 68,515; Apr. 14; Gaz. vol. 133; p. 1674.
- Eastman Kodak Co., Rochester, N. Y. Photographic supplies. No. 67,012; Jan. 14; Gaz. vol. 132; p. 461.
- Eastman Kodak Co., Rochester, N. Y. Certain photographic apparatus, appliances, and instruments. No. 67,137; Jan. 21; Gaz. vol. 132; p. 673.
- Eastman Kodak Co., Rochester, N. Y. Certain photographic instruments and supplies. No. 68,635; Apr. 21; Gaz. vol. 133; p. 1930.
- Eastman Kodak Co., Rochester, N. Y. Photographic paper. No. 71,917; Dec. 22; Gaz. vol. 137; p. 1934.
- Eastman Kodak Co., Rochester, N. Y. Photographic cameras and tripods. Nos. 71,918-19; Dec. 22; Gaz. vol. 137; p. 1934.
- Eastman Kodak Co., Rochester, N. Y. Photographic paper. No. 71,920; Dec. 22; Gaz. vol. 137; p. 1934.
- Eastman, R. O., Battle Creek, Mich. Antitoxic ferments and remedies for diseases caused by intestinal auto-intoxication. No. 69,728; June 30; Gaz. vol. 134; p. 2241.
- Eaton, Cole & Burnham Co., Bridgeport, Conn. Hose-nozzle. No. 67,224; Jan. 21; Gaz. vol. 132; p. 675.
- Eaton & Hobbs, Lynn, Mass. Popcorn, popcorn confections, and candy. No. 68,438; Apr. 7; Gaz. vol. 133; p. 1430.
- Eberle, W. F., Zurich, Switzerland. Substitute for eggs. Nos. 68,774-5; Apr. 28; Gaz. vol. 133; p. 2175.
- Eby Shoe Co., Inc., Lititz, Pa. Infants' and children's leather shoes. No. 67,667; Feb. 11; Gaz. vol. 132; p. 1316.
- Echo Horn Co., Cleveland, Ohio. Exhaust-blown signal-horns. No. 69,405; June 9; Gaz. vol. 134; p. 1559.
- Eckardt, C., Hamburg, Germany. Certain foods. No. 67,711; Feb. 18; Gaz. vol. 132; p. 1579.
- Economy Electric Company, New York, N. Y. Electric lamps of all kinds. Nos. 71,681-3; Dec. 8; Gaz. vol. 137; p. 1479.
- Economy Motor Buggy Company, Port Wayne, Ind. Motor-buggies. No. 70,811; Oct. 6; Gaz. vol. 136; p. 1294.
- Ecco Pharmaceutical Co., Mobile, Ala. Certain medicines. No. 68,537; Apr. 14; Gaz. vol. 133; p. 1674.
- Edelstein, W., Boston, Mass. Shoes. No. 71,016; Oct. 27; Gaz. vol. 136; p. 1995.
- Edge Hill Silica Rock Co., New Brunswick, N. J. Grit for poultry. No. 69,844; July 14; Gaz. vol. 135; p. 445.
- Edgewood Dist. Co., Cincinnati, Ohio. Whisky. No. 67,830; Feb. 18; Gaz. vol. 132; p. 1582.
- Edmur Pharmaceutical Co., St. Louis, Mo. Remedy for coughs and colds. No. 67,781; Feb. 18; Gaz. vol. 132; p. 1581.
- Edson, M., New York, N. Y. Metal-polishing material. No. 71,659; Dec. 8; Gaz. vol. 137; p. 1478.
- Edward & John Burke, Limited, Dublin, Ireland, and New York, N. Y. Gin. No. 68,357; Mar. 31; Gaz. vol. 133; p. 1184.
- Edward & John Burke, Limited, Dublin, Ireland, and New York, N. Y. Ale. No. 38,645; Apr. 21; Gaz. vol. 133; p. 1930.
- Edward & John Burke, Limited, Dublin, Ireland, and New York, N. Y. Stout and ale. No. 71,806; Dec. 15; Gaz. vol. 137; p. 1706.
- Edward & John Burke, Limited, Dublin, Ireland, and New York, N. Y. Whisky, gin, and Cognac. No. 72,080; Dec. 29; Gaz. vol. 137; p. 2215.
- Edward Kory Co., New Orleans, La. Certain clothing. No. 67,712; Feb. 18; Gaz. vol. 132; p. 1579.
- Edwards, A. S., New York, N. Y. Collar stiffeners or supporters. No. 70,131; Aug. 4; Gaz. vol. 135; p. 1117.
- Edwards, F. M., Portsmouth, Ohio. Tablets containing olive-oil. No. 70,161; Aug. 4; Gaz. vol. 135; p. 1118.
- Edwards, G. W. L., Philadelphia, Pa. Game played with cards. No. 69,439; June 16; Gaz. vol. 134; p. 1797.
- Edwards Manufacturing Company, Clinton, Iowa. Petticoats. No. 71,224; Nov. 10; Gaz. vol. 137; p. 470.
- Edwards Stimpson Company, New York, N. Y. Rivets, washers, and lacing-studs. No. 70,146; Aug. 4; Gaz. vol. 135; p. 1118.
- Edwin C. Burt Company, Brooklyn, N. Y. Leather boots, shoes, and slippers. No. 67,123; Jan. 14; Gaz. vol. 132; p. 464.
- Ehrat, G., Chicago, Ill. Olive-oil. No. 71,374; Nov. 24; Gaz. vol. 137; p. 971.
- Ehrich & Graetz, Berlin, Germany. Certain glassware. No. 69,551; June 23; Gaz. vol. 134; p. 2023.
- Ehrich & Graetz, Berlin, Germany. Certain electrical supplies. No. 69,744; June 30; Gaz. vol. 134; p. 2241.
- Ehrich & Graetz, Berlin, Germany. Certain heating and lighting apparatus. No. 71,332; Nov. 17; Gaz. vol. 137; p. 728.
- Eising & Co., E., New York, N. Y. Straight whisky, blended whisky, and compound whisky. No. 71,333; Nov. 17; Gaz. vol. 137; p. 728.
- Ekman-Stow Co., Oroville, Cal. Olive-oil. No. 70,048; July 28; Gaz. vol. 135; p. 889.
- Elastro Manufacturing Company, Hartford, Conn. Certain resilient composition. No. 67,489; Feb. 4; Gaz. vol. 132; p. 1067.
- Elder-Harrison Company, Baltimore, Md. Whisky. No. 67,511; Feb. 4; Gaz. vol. 132; p. 1068.
- Eldridge & Co., G. A., New Brunswick, N. J. Proprietary herb medicine. No. 69,544; June 16; Gaz. vol. 134; p. 1800.
- Eldridge, W. J., Aurora, Ohio. Cheese. Nos. 67,179-80; Jan. 21; Gaz. vol. 132; p. 674.
- Eldridge, W. J., Aurora, Ohio. Cheese. Nos. 67,564-5; Feb. 11; Gaz. vol. 132; p. 1313.
- Eldridge, W. J., Aurora, Ohio. Cream-cheese. Nos. 71,807-8; Dec. 15; Gaz. vol. 137; p. 1706.
- Electric Appliance Company, Chicago, Ill. Dry batteries. No. 68,819; Apr. 28; Gaz. vol. 133; p. 2176.
- Electric Hoof Oil Company, South Allentown, Pa. Veterinary ointments. No. 69,510; June 16; Gaz. vol. 134; p. 1799.
- Electric Meat Curing Company, Cleveland, Ohio. Cured meats. No. 69,583; June 23; Gaz. vol. 134; p. 2024.
- Electric Renovator Manufacturing Company, Pittsburg, Pa. Cleaning and renovating apparatus and parts thereof. No. 71,375; Nov. 24; Gaz. vol. 137; p. 971.
- Electro-Ad Company, Detroit, Mich. Socket-plugs and automatic electric switches. No. 70,008; July 21; Gaz. vol. 135; p. 659.
- Elgin Butter Company, Elgin, Ill. Butter. No. 67,400; Feb. 4; Gaz. vol. 132; p. 1066.
- Elgin Butter Company, Elgin, Ill. Butter. No. 67,490; Feb. 4; Gaz. vol. 132; p. 1067.
- Elgin Butter Company, Elgin, Ill. Butter. Nos. 68,416-17; Apr. 7; Gaz. vol. 133; p. 1430.
- Elgin National Watch Company, Elgin and Chicago, Ill. Watch-movements. No. 69,391; June 9; Gaz. vol. 134; p. 1558.

Alphabetical list of registrants of trade-marks—Continued.

- Elgin National Watch Company, Elgin and Chicago, Ill. Watch-movements. No. 69,677; June 30; Gaz. vol. 134; p. 2239.
- Elite Glove Co., Gloversville, N. Y. Men's and ladies' gloves of all kinds. No. 69,533; June 16; Gaz. vol. 134; p. 1800.
- Ellet-Kendall Shoe Company, Kansas City, Mo. Leather boots, shoes, and leggings. No. 67,124; Jan. 14; Gaz. vol. 132; p. 464.
- Ellet-Kendall Shoe Company, Kansas City, Mo. Leather boots, shoes, and leggings. No. 67,668; Feb. 11; Gaz. vol. 132; p. 1316.
- Ellin, T. R., Sheffield, England. Certain tools. Nos. 70,239-40; Aug. 11; Gaz. vol. 135; p. 1358.
- Elliott-Fisher Co., New York, N. Y. Type-writing machines. No. 67,245; Jan. 28; Gaz. vol. 132; p. 835.
- Elliott, J. S., Newville, Pa. Coffee. No. 67,549; Feb. 11; Gaz. vol. 132; p. 1313.
- Elliott, R. P., Boston, Mass. Acetylene-gas generators. No. 68,547; Apr. 14; Gaz. vol. 133; p. 1675.
- Elliott and Sharp, Coatesville, Pa. Certain horse medicine. No. 69,150; May 19; Gaz. vol. 134; p. 772.
- Ellis, E. M., Memphis, Tenn. Non-alcoholic carbonated beverage and syrup therefor. No. 71,576; Dec. 1; Gaz. vol. 137; p. 1233.
- Elmore, J., Altoona, Pa. Certain compound. No. 70,344; Aug. 25; Gaz. vol. 135; p. 1797.
- Elmore-Fort Company, Rockford, Ill. Coal. No. 70,343; Aug. 25; Gaz. vol. 135; p. 1797.
- Els. Conserven-Fabrik & Import-Gesellschaft, Schiltigheim, near Strassburg, Germany. Peppermint tablets. Nos. 71,892-4; Dec. 22; Gaz. vol. 137; p. 1933.
- Els, T., Providence, R. I. Woolen, silk, linen, and cotton piece goods. No. 69,882; July 14; Gaz. vol. 135; p. 446.
- Emery Candle Co., Cincinnati, Ohio. Candles. Nos. 67,333-4; Jan. 28; Gaz. vol. 132; p. 838.
- Emil Seelig, A.-G., Heilbronn, Germany, and Jersey City, N. J. Chicory and coffee substitute. No. 67,931; Feb. 25; Gaz. vol. 132; p. 1833.
- Emil Wahl Manufacturing Company, Philadelphia, Pa. Buttons. Nos. 71,180-1; Nov. 10; Gaz. vol. 137; p. 469.
- Empire Cream Separator Co., Bloomfield, N. J. Centrifugal cream-separators. No. 69,545; June 16; Gaz. vol. 134; p. 1800.
- Empire Gypsum Company, Garbutt, N. Y. Wall-plaster. Nos. 67,230-2; Jan. 28; Gaz. vol. 132; p. 835.
- Empire Gypsum Company, Garbutt, N. Y. Calcined gypsum. No. 68,494; Apr. 14; Gaz. vol. 133; p. 1673.
- Endicott Johnson Company, Endicott, N. Y. Boots and shoes of leather. No. 68,952; May 12; Gaz. vol. 134; p. 509.
- Engelhardt, T., Cassel, Germany. Cramp remedy for pigs. No. 67,976; Mar. 3; Gaz. vol. 133; p. 223.
- Eno Cotton Mills, Hillsboro, N. C. Gingham, chambrays, and shirtings. No. 68,684; Apr. 21; Gaz. vol. 133; p. 1931.
- Enterprise Brewing Co., San Francisco, Cal. Lager-beer. Nos. 68,418-19; Apr. 7; Gaz. vol. 133; p. 1430.
- Enterprise Manufacturing Company, Akron, Ohio. Certain fishing-tackle. No. 71,940; Dec. 22; Gaz. vol. 137; p. 1935.
- Enterprise Soap Works, Nashville, Tenn. Soap. No. 71,873; Dec. 22; Gaz. vol. 137; p. 1933.
- Epstein and Brother, W., New York, N. Y. Petticoats. No. 71,182; Nov. 10; Gaz. vol. 137; p. 469.
- Ericka Manufacturing Corporation, Springfield, Mass. Soaps. No. 69,559; June 23; Gaz. vol. 134; p. 2023.
- Ernecke and Salmstein, Chicago, Ill. Enamel-paint. No. 71,334; Nov. 17; Gaz. vol. 137; p. 728.
- Errie, H., New York, N. Y. Disinfectants. No. 68,083; Mar. 10; Gaz. vol. 133; p. 507.
- Erstein & Bro., L., New York, N. Y. Chiffons. No. 67,947; Feb. 25; Gaz. vol. 132; p. 1833.
- Erstein & Bro., L., New York, N. Y. Woven veillings. No. 68,464; Apr. 7; Gaz. vol. 133; p. 1431.
- Erstein & Bro., L., New York, N. Y. Silk pongee. No. 70,532; Sept. 8; Gaz. vol. 136; p. 434.
- Esmond Mills, Enfield, R. I. Blankets. No. 67,044; Jan. 14; Gaz. vol. 132; p. 462.
- Estes, W. C., New York, N. Y. Smalt. No. 71,995; Dec. 29; Gaz. vol. 137; p. 2213.
- Estey Organ Company, Brattleboro, Vt. Organs. No. 70,655; Sept. 22; Gaz. vol. 136; p. 843.
- Estey Piano Company, New York, N. Y. Pianos. No. 70,656; Sept. 22; Gaz. vol. 136; p. 843.
- Etherington, C. A., New York, N. Y. Hair-remover. No. 71,503; Dec. 1; Gaz. vol. 137; p. 1231.
- Etna Chemical Company, New York, N. Y. Antipyretic and analgesic medical preparation. No. 66,903; Jan. 7; Gaz. vol. 132; p. 225.
- Euquina Company. (See Luyties, A. F., assignor.)
- Eureka Fire Hose Manufacturing Company, Jersey City, N. J. Fabric hose. No. 71,467; Nov. 24; Gaz. vol. 137; p. 974.
- Evalang Chemical Company, New York, N. Y. Metal-polish. No. 69,179; May 26; Gaz. vol. 134; p. 1045.
- Evans, C. M., Nashville, Mich. Remedy to be used for diseases in turkeys. No. 69,381; June 9; Gaz. vol. 134; p. 1558.
- Evans Chemical Co., Cincinnati, Ohio. Certain medicine. No. 69,151; May 19; Gaz. vol. 134; p. 772.
- Evans, L. J., Napa, Cal. Leather boots and shoes. No. 71,435; Nov. 24; Gaz. vol. 137; p. 973.
- Evans Sons Lescher & Webb Limited, London, England. Lime-fruit juice. No. 70,483; Sept. 8; Gaz. vol. 136; p. 433.
- Evans Sons Lescher & Webb Limited, Liverpool, England. Lime-juice cordial free from spirit. No. 70,689; Sept. 22; Gaz. vol. 136; p. 844.
- Evansville Brewing Association, Evansville, Ind. Non-intoxicating malt beverage. No. 70,727; Sept. 29; Gaz. vol. 136; p. 1063.
- Everett & Barron Company, Providence, R. I. Blacking, shoe-polish, leather-dressing. No. 71,874; Dec. 22; Gaz. vol. 137; p. 1933.
- Ewart, W. I., Seattle, Wash. Feed-bags. No. 67,629; Feb. 11; Gaz. vol. 132; p. 1315.
- Excelsior Supply Company, Chicago, Ill. Motor-bicycles. No. 71,524; Dec. 1; Gaz. vol. 137; p. 1231.
- Exner, R., Berlin, Germany. Certain alcoholic beverages. No. 71,980; Dec. 22; Gaz. vol. 137; p. 1936.
- Exposition Cotton Mills, Atlanta, Ga. Sheetings and drillings. No. 70,756; Sept. 29; Gaz. vol. 136; p. 1064.
- Ey Company, J., San Jose, Cal. Liquid hair-tonic. No. 67,968; Mar. 3; Gaz. vol. 133; p. 223.
- Eyre Smelting Co. Ltd., Tonbridge, England. Antifriction metals. No. 69,339; June 9; Gaz. vol. 134; p. 1557.
- F. Brigham & Gregory Company, Boston, Mass. Boots, shoes, and leather. No. 66,981; Jan. 7; Gaz. vol. 132; p. 227.
- F. Garcia & Bros., New York, N. Y. Cigars. Nos. 71,225-9; Nov. 10; Gaz. vol. 137; p. 470.
- F. Korbel & Bros., San Francisco, Cal. Whisky. No. 67,208; Jan. 21; Gaz. vol. 132; p. 675.
- F. Mayer Boot & Shoe Co., Milwaukee, Wis. Leather boots and shoes. No. 66,958; Jan. 7; Gaz. vol. 132; p. 227.
- F. B. Washburn & Co., Brockton, Mass. Cocoa-nut-biscuits. No. 71,291; Nov. 17; Gaz. vol. 137; p. 727.
- F. G. Stewart & Company, Chicago, Ill. Medicinal tonic in tablet form. No. 68,516; Apr. 14; Gaz. vol. 133; p. 1674.
- F. H. Lovell & Company, Arlington, N. J. Oil-lamps having a mechanical or forced draft. No. 69,289; June 2; Gaz. vol. 134; p. 1294.
- F. M. Bower Co., New York, N. Y. Bread and cake pans. No. 67,475; Feb. 4; Gaz. vol. 132; p. 1067.
- F. S. Webster Company, Boston, Mass. Ink-ribbons and carbon-paper. No. 68,382; Apr. 7; Gaz. vol. 133; p. 1429.
- F. W. Cook Brewing Co., Evansville, Ind. Beer. No. 68,646; Apr. 21; Gaz. vol. 133; p. 1930.
- F. W. Cook Brewing Co., Evansville, Ind. Beer. No. 69,359; June 9; Gaz. vol. 134; p. 1558.
- F. W. Ketter Medicine Company, Jacksonville, Fla. Blood-purifier, ointment, and pills. No. 70,313; Aug. 18; Gaz. vol. 135; p. 1579.
- Faber, A. W., Stein, near Nuremberg, and Berlin, Germany. Lead-pencils and colored pencils. No. 68,061; Mar. 3; Gaz. vol. 133; p. 225.
- Faber, A. W., Stein, near Nuremberg, and Berlin, Germany. Lead-pencils and colored pencils. No. 68,723; Apr. 28; Gaz. vol. 133; p. 2173.
- Faber, A. W., Stein, near Nuremberg, and Berlin, Germany. Certain stationery. No. 68,724; Apr. 28; Gaz. vol. 133; p. 2173.
- Faber, A. W., Stein, Germany. Lead-pencils and colored pencils. Nos. 69,249-50; June 2; Gaz. vol. 134; p. 1293.
- Faber, E., New York, N. Y. Certain articles of stationery. Nos. 68,993-4; May 12; Gaz. vol. 134; p. 510.
- Faber, E., New York, N. Y. Lead and colored pencils. No. 71,436; Nov. 24; Gaz. vol. 137; p. 973.
- Fabrik Stolzenberg Deutsche Bureau-Einrichtung-Gesellschaft mit beschränkter Haftung, Oos, Germany. Paper index-files. No. 68,662; Apr. 21; Gaz. vol. 133; p. 1931.
- Fairbanks Co., New York, N. Y. Rubber belting. No. 69,511; June 16; Gaz. vol. 134; p. 1799.
- Fairchild Bros. & Foster, New York, N. Y. Food for infants and invalids. No. 67,932; Feb. 25; Gaz. vol. 132; p. 1833.
- Falk Tobacco Company, New York, N. Y., and Richmond, Va. Smoking-tobacco. No. 66,982; Jan. 7; Gaz. vol. 132; p. 227.
- Falk Tobacco Company, New York, N. Y., and Richmond, Va. Cigars and cigarettes. No. 66,983; Jan. 7; Gaz. vol. 132; p. 227.
- Falls City Flour Co., Louisville, Ky. Wheat-flour. No. 71,577; Dec. 1; Gaz. vol. 137; p. 1233.
- Farbenfabriken of Elberfeld Co., New York, N. Y. Medical magazine. No. 67,096; Jan. 14; Gaz. vol. 132; p. 463.
- Farbenfabriken of Elberfeld Co., New York, N. Y. Certain chemicals. No. 67,867; Feb. 25; Gaz. vol. 132; p. 1831.
- Farbenfabriken of Elberfeld Co., New York, N. Y. Certain chemicals. No. 68,188; Mar. 10; Gaz. vol. 133; p. 510.
- Farbenfabriken of Elberfeld Co., New York, N. Y. Synthetic coal-tar remedies. No. 69,512; June 16; Gaz. vol. 134; p. 1799.
- Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Substitute for shellac for the preparation of furniture-polish and spirit lakes. No. 67,669; Feb. 11; Gaz. vol. 132; p. 1316.
- Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Certain chemicals. No. 68,608; Apr. 21; Gaz. vol. 133; p. 1929.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Certain pharmaceutical preparations. No. 69,208; May 26; Gaz. vol. 134; p. 1046.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Medicinal powder. No. 69,560; June 23; Gaz. vol. 134; p. 2023.
- Fargo Bottling Works Co., Fargo, N. D. Non-intoxicating beer. No. 67,097; Jan. 14; Gaz. vol. 132; p. 463.
- Farmers Feed Company, New York, N. Y. Brewers' wet and dried grains. No. 68,084; Mar. 10; Gaz. vol. 133; p. 507.
- Farmers' Milling & Mercantile Company, Berthoud, Colo. Wheat-flour. No. 69,464; June 16; Gaz. vol. 134; p. 1798.
- Farquhar & Gill, Aberdeen, Scotland. Liquid mixed paints. No. 70,394; Aug. 25; Gaz. vol. 135; p. 1799.
- Fashion Publicity Company, New York, N. Y. Boots, shoes, slippers, and sandals made of leather in whole or in part. No. 67,125; Jan. 14; Gaz. vol. 132; p. 464.
- Fatherland Wine Co., St. Paul, Minn. Wine. No. 68,762; Apr. 28; Gaz. vol. 133; p. 2174.
- Favale & Co., P. L., New York, N. Y. Lucca olive-oil. No. 71,636; Dec. 8; Gaz. vol. 137; p. 1478.

Alphabetical list of registrants of trade-marks—Continued.

- Favreau & Collette, Marlboro, Mass. Remedy for certain diseases. No. 71,353; Nov. 17; Gaz. vol. 137; p. 729.
- Fay-Gorman Company, Bethel, Conn. Felt hats. No. 71,437; Nov. 24; Gaz. vol. 137; p. 973.
- Fayette R. Plumb, Incorporated, Philadelphia, Pa. Certain tools. No. 67,211; Jan. 21; Gaz. vol. 132; p. 675.
- Fayetteville Mill Co., Fayetteville, Tenn. Certain cereal foods. No. 69,024; May 12; Gaz. vol. 134; p. 511.
- Feder, M., Cleveland, Ohio. Certain smokers' articles. No. 70,812; Oct. 6; Gaz. vol. 136; p. 1294.
- Federal Waterproofing Co., St. Joseph, Mo. Textile cotton fabric waterproofed with oil. No. 67,292; Jan. 28; Gaz. vol. 132; p. 836.
- Feierstein, M., New York, N. Y. Herb tea, a remedy for diseases arising from the stomach or bowels. No. 70,446; Sept. 1; Gaz. vol. 136; p. 221.
- Feigl, M., Prague, Austria-Hungary. Soaps. No. 68,189; Mar. 10; Gaz. vol. 133; p. 510.
- Fein Brothers & Company, S., Milwaukee, Wis. Coats, overcoats, pants, and vests. No. 69,367; June 9; Gaz. vol. 134; p. 1558.
- Feist & Co., A., Solingen, Germany. Certain cutlery. No. 67,491; Feb. 4; Gaz. vol. 132; p. 1067.
- Fekete, M., Vienna, Austria-Hungary. Medical compound for facilitating digestion. No. 69,935; July 21; Gaz. vol. 135; p. 657.
- Felix Tempest Co., Los Angeles, Cal. Hair-wash. No. 69,597; June 23; Gaz. vol. 134; p. 2024.
- Fenn Bros. Inc., Sioux Falls, S. D. Chocolate nougat-bars. No. 70,918; Oct. 13; Gaz. vol. 136; p. 1529.
- Féret, L., Paris, France. Certain perfumed antiseptic preparation. No. 68,217; Mar. 17; Gaz. vol. 133; p. 757.
- Fermo Company, Cincinnati, Ohio. Remedies for the correction of stomach, liver, and bowel disorders. No. 67,907; Feb. 25; Gaz. vol. 132; p. 1832.
- Fern Rock Woolen Mills, Philadelphia, Pa. Worsted dress goods. No. 69,656; June 23; Gaz. vol. 134; p. 2025.
- Fibre Conduit Company, Orangeburg, N. Y. Fiber conduits. No. 69,165; May 26; Gaz. vol. 134; p. 1045.
- Fibre Conduit Company, Orangeburg, N. Y. Fiber conduits in which electric wires are laid. No. 69,646; June 23; Gaz. vol. 134; p. 2025.
- Fieberger, F., Akron, Ohio. Heating-furnaces. No. 67,045; Jan. 14; Gaz. vol. 132; p. 462.
- Fiedler, B., New York, N. Y. Salve or ointment. No. 68,347; Mar. 31; Gaz. vol. 133; p. 1184.
- Figge-Doyle Co., Milwaukee, Wis. Whiskies. No. 71,847; Dec. 15; Gaz. vol. 137; p. 1707.
- Filbert, J. H., Baltimore, Md. Compound of beef-fat and cotton-seed oil. No. 70,787; Oct. 6; Gaz. vol. 136; p. 1293.
- Filter & Brautechnische Maschinenfabrik Actien Gesellschaft vormals L. A. Enzinger, Berlin, Germany. Certain machines. No. 68,609; Apr. 21; Gaz. vol. 133; p. 1929.
- Filter & Brautechnische Maschinen-Fabrik Actien-Gesellschaft, vorm. L. A. Enzinger, Berlin, Germany. Certain machines. No. 69,617; June 23; Gaz. vol. 134; p. 2024.
- Finch & Co., J. S., Pittsburg, Pa. Straight rye whisky. No. 71,848; Dec. 15; Gaz. vol. 137; p. 1707.
- Finch, H. W., Chicago, Ill. Coal. No. 69,382; June 9; Gaz. vol. 134; p. 1558.
- Finrock, W. H., Chicago, Ill. Solder. No. 71,491; Nov. 24; Gaz. vol. 137; p. 974.
- Finora, G., San Francisco, Cal. Fruit syrups. No. 68,303; Mar. 24; Gaz. vol. 133; p. 987.
- Fischer, A. A., Paterson, N. J. Waterproofed textile fabrics. No. 67,741; Feb. 18; Gaz. vol. 132; p. 1580.
- Fischer Bros., Seattle, Wash. Certain saccharine foods. No. 67,181; Jan. 21; Gaz. vol. 132; p. 674.
- Fischer Bros., Seattle, Wash. Certain foods. No. 67,182; Jan. 21; Gaz. vol. 132; p. 674.
- Fischer Bros., Seattle, Wash. Lye, sodium chlorid, and gloss-starch. No. 67,209; Jan. 21; Gaz. vol. 132; p. 675.
- Fischer Bros., Seattle, Wash. Yeast and certain cereal foods. No. 67,310; Jan. 28; Gaz. vol. 132; p. 837.
- Fischer Bros., Seattle, Wash. Certain foods. No. 67,492; Feb. 4; Gaz. vol. 132; p. 1067.
- Fischer, T., New York, N. Y. Cigars. No. 70,788; Oct. 6; Gaz. vol. 136; p. 1293.
- Fischman, W., New York, N. Y. Ladies' and misses' coats and wraps. No. 71,997; Dec. 29; Gaz. vol. 137; p. 2213.
- Fishel & Levy, New York, N. Y. Compounded whisky. No. 71,921; Dec. 22; Gaz. vol. 137; p. 1934.
- Fisher, H., Trenton, N. J. Anvils. No. 71,049; Oct. 27; Gaz. vol. 136; p. 1996.
- Fisk Mfg. Co., Springfield, Mass. Soap. No. 70,937; Oct. 20; Gaz. vol. 136; p. 1763.
- Fiske Brothers Refining Co., New York, N. Y. Lubricating-oil. No. 69,883; July 14; Gaz. vol. 135; p. 446.
- Fiske, J. P. B., New York, N. Y. Bricks. No. 69,717; June 30; Gaz. vol. 134; p. 2240.
- Fitch, F. W., Boone, Iowa. Hair-tonic, dandruff-remover, and shampoo preparations. No. 69,936; July 21; Gaz. vol. 135; p. 657.
- Fitzgibbons, T., St. Paul, Minn. Liniment. No. 69,937; July 21; Gaz. vol. 135; p. 657.
- Fitzpatrick, J. E., New York, N. Y. Loose-leaf binders. No. 68,567; Apr. 14; Gaz. vol. 133; p. 1675.
- Flaccus, E. C., Wheeling, W. Va. Certain food preparations. No. 67,527; Feb. 4; Gaz. vol. 132; p. 1068.
- Flaccus, E. C., Wheeling, W. Va. Certain foods and relishes. No. 68,405; Apr. 7; Gaz. vol. 133; p. 1429.
- Flemish Art Company, New York, N. Y. Pyrographic pencil. No. 71,697; Dec. 8; Gaz. vol. 137; p. 1479.
- Floor Clean Company, Chicago, Ill. Sweeping compounds. No. 70,789; Oct. 6; Gaz. vol. 136; p. 1293.
- Flora, C. M., Independence, Kans. Men's dress and negligée shirts. No. 70,460; Sept. 1; Gaz. vol. 136; p. 222.
- Florence Publishing Company, Northampton, Mass. Magazine. No. 68,548; Apr. 14; Gaz. vol. 133; p. 1675.
- Florida Fruit Oil & Extract Co., Atlanta, Ga., and St. Louis, Mo. Carbonated hop drinks. No. 67,396; Feb. 4; Gaz. vol. 132; p. 1065.
- Florida-Georgia Syrup Co., Jacksonville, Fla. Sugar-cane syrup and molasses. No. 68,294; Mar. 24; Gaz. vol. 133; p. 987.
- Florida-Georgia Syrup Co., Jacksonville, Fla. Blended pure corn and cane syrup and molasses. No. 68,295; Mar. 24; Gaz. vol. 133; p. 987.
- Flournoy and Johnson, Odessa, Mo. Certain medicines. No. 67,977; Mar. 3; Gaz. vol. 133; p. 223.
- Floyd Bros., Kirkland, Ga. Remedy for venereal diseases. No. 71,438; Nov. 24; Gaz. vol. 137; p. 973.
- Fogelsong, O. F., Chicago, Ill. Insoles. No. 69,979; July 21; Gaz. vol. 135; p. 658.
- Foley Bros. & Kelly, St. Paul, Minn. Certain foods. No. 70,988; Oct. 20; Gaz. vol. 136; p. 1764.
- Foley Bros. & Kelly, St. Paul, Minn. Certain foods. Nos. 71,256-7; Nov. 10; Gaz. vol. 137; p. 471.
- Foley Bros. & Kelly, St. Paul, Minn. Teas. No. 71,590; Dec. 1; Gaz. vol. 137; p. 1233.
- Follansbee Brothers Company, Pittsburg, Pa. Tin andterne plates. No. 67,225; Jan. 21; Gaz. vol. 132; p. 675.
- Foss Manufacturing Company, Springfield, Ohio. Certain agricultural machinery. No. 70,728; Sept. 29; Gaz. vol. 136; p. 1063.
- Footte and Jenks, Jackson, Mich. Perfumes. No. 67,969; Mar. 3; Gaz. vol. 133; p. 223.
- Forbes, G., Baltimore, Md. Cards containing culinary recipes. No. 68,266; Mar. 17; Gaz. vol. 133; p. 758.
- Ford Auger Bit Company, Holyoke, Mass. Bits and augers. No. 69,994; July 21; Gaz. vol. 135; p. 659.
- Ford, J. R., New York, N. Y. Powders for cleaning the hands. No. 70,033; July 28; Gaz. vol. 135; p. 889.
- Ford & Johnson Co., Chicago, Ill.; Cincinnati, Ohio; Atlanta, Ga.; Frankfort, Ky.; New Haven and Hartford, Conn; Helena, Ark., and High Point, N. C. Certain furniture. No. 70,657; Sept. 22; Gaz. vol. 136; p. 843.
- Forde & Nott, Boston, Mass. Shoe-lacings. Nos. 70,461-2; Sept. 1; Gaz. vol. 136; p. 222.
- Forest City Chemical Co., Cleveland, Ohio. Peroxid cream for massage purposes. No. 70,843; Oct. 13; Gaz. vol. 136; p. 1527.
- Forman, A. J., Fremont, Nebr. Cigars, cheroots, and little cigars. No. 68,474; Apr. 14; Gaz. vol. 133; p. 1673.
- Fort Pitt Bedding Company, Pittsburg, Pa. Bed-springs. No. 69,480; June 16; Gaz. vol. 134; p. 1798.
- Fortier, A., Waterville, Me. Certain remedies. No. 68,610; Apr. 21; Gaz. vol. 133; p. 1929.
- Fortuna Machine Co., New York, N. Y. Certain machines. No. 67,254; Jan. 28; Gaz. vol. 132; p. 835.
- Foster & Co., T. N., New York, N. Y. Kid gloves. No. 69,745; June 30; Gaz. vol. 134; p. 2241.
- Foster & Co., T. N., New York, N. Y. Kid gloves. No. 71,183; Nov. 10; Gaz. vol. 137; p. 469.
- Foster-McClellan Company, Buffalo, N. Y. Cathartic pills. No. 68,743; Apr. 28; Gaz. vol. 133; p. 2174.
- Fostoria Glass Specialty Company, Fostoria, Ohio. Glass globes for lights. No. 70,368; Aug. 25; Gaz. vol. 135; p. 1798.
- Fountain Ink Pad Company, Chicago, Ill. Inks and ink-pads. No. 67,933; Feb. 25; Gaz. vol. 132; p. 1833.
- Fountain Medicine Company, Fountain, N. C. Remedy for external use. No. 71,623; Dec. 8; Gaz. vol. 137; p. 1477.
- Fouquet et Cie., Paris, France. Certain salves and ointments. No. 68,439; Apr. 7; Gaz. vol. 133; p. 1430.
- Fowler, F. C., New London, Conn. Skin-lotion and toilet cream. No. 68,744; Apr. 28; Gaz. vol. 133; p. 2174.
- Rownes Brothers & Co., London, England. Glove and dress fasteners and buttons. No. 70,324; Aug. 25; Gaz. vol. 135; p. 1797.
- Fox, W. H., Graysville, Tenn. Fresh fruits and vegetables. No. 67,713; Feb. 18; Gaz. vol. 132; p. 1579.
- Fox, W. H., Graysville, Tenn. Canned fruits and vegetables. No. 69,453; June 16; Gaz. vol. 134; p. 1798.
- Fox Typewriter Co., Grand Rapids, Mich. Type-writers and parts thereof. No. 71,660; Dec. 8; Gaz. vol. 137; p. 1478.
- Frailey, W. O., Lancaster, Pa. Medicinal preparations for coughs and colds. No. 71,169; Nov. 3; Gaz. vol. 137; p. 225.
- Frailey, A. O., McKeesport, Pa. Remedy for rheumatism. No. 71,439; Nov. 24; Gaz. vol. 137; p. 973.
- Frame Food Company Limited, Wandsworth, England. Food for infants. No. 71,161; Nov. 3; Gaz. vol. 137; p. 225.
- Franc, Heyn & Co., Toledo, Ohio. Blended whisky. Nos. 70,325-6; Aug. 25; Gaz. vol. 135; p. 1797.
- Franc, Heyn & Co., Toledo, Ohio. Straight rye whisky. No. 70,828; Oct. 6; Gaz. vol. 136; p. 1294.
- France, T. J., New York, N. Y. Remedy for corns and bunions. No. 71,017; Oct. 27; Gaz. vol. 136; p. 1995.
- Francis & Co., A., Detroit, Mich. Perfumes and face-powders. No. 70,221; Aug. 11; Gaz. vol. 135; p. 1358.
- Francis Hook & Eyo & Fastener Co., Niagara Falls, N. Y. Hooks and eyes for garments. No. 68,420; Apr. 7; Gaz. vol. 133; p. 1430.
- Franco-American Ferment Company, New York, N. Y. Milk. No. 71,637; Dec. 8; Gaz. vol. 137; p. 1478.
- Franco-American Ferment Company, New York, N. Y. Medicines for treatment of certain diseases. No. 71,708; Dec. 15; Gaz. vol. 137; p. 1703.
- Franco-American Ferment Company, New York, N. Y. Medicines for certain diseases. Nos. 71,998-9; Dec. 29; Gaz. vol. 137; p. 2213.

Alphabetical list of registrants of trade-marks—Continued.

- Franco-American Ferment Company, New York, N. Y. Medicines for treatment of certain diseases. No. 72,039; Dec. 29; Gaz. vol. 137; p. 2214.
- Franco-American Ferment Company, New York, N. Y. Milk. No. 72,065; Dec. 29; Gaz. vol. 137; p. 2215.
- Frank Brothers, New York, N. Y. Boots and shoes of leather, cloth, and satin. No. 71,292; Nov. 17; Gaz. vol. 137; p. 727.
- Frank Brothers, New York, N. Y. Boots and shoes of leather, cloth, and satin. No. 71,578; Dec. 1; Gaz. vol. 137; p. 1233.
- Frank & Co., I., New York, N. Y. Suits for boys and children. No. 67,113; Jan. 14; Gaz. vol. 132; p. 464.
- Frank & Co., I., New York, N. Y. Reefers and overcoats for boys, girls, and children. No. 67,114; Jan. 14; Gaz. vol. 132; p. 464.
- Frank P. Heid & Company, Incorporated, Philadelphia, Pa. Hats and caps. Nos. 69,197-8; May 26; Gaz. vol. 134; p. 1046.
- Frank, S. M., New York, N. Y. Tobacco-pipes and cigar-holders and cigarette-holders. No. 69,761; July 7; Gaz. vol. 135; p. 213.
- Frank Tea & Spice Co., Cincinnati, Ohio. Certain foods. No. 69,275; June 2; Gaz. vol. 134; p. 1293.
- Frank W. Whitcher Co., Boston, Mass. Heel and counter supports. No. 70,302; Aug. 18; Gaz. vol. 135; p. 1578.
- Franke, G., Baltimore, Md. Cartons and boxes. No. 69,829; July 7; Gaz. vol. 135; p. 215.
- Frankenthal Brothers Company, New York, N. Y. Shirt and dress waists. No. 68,045; Mar. 3; Gaz. vol. 133; p. 225.
- Franklin Cotton Mill Co., Cincinnati, Ohio. Machine-belt made of cotton. No. 68,452; Apr. 7; Gaz. vol. 133; p. 1431.
- Franklinville Canning Co., Franklinville, N. Y. Canned fruits and vegetables. No. 69,626; June 23; Gaz. vol. 134; p. 2025.
- Frantz, A. E., Verdun-sur-Meuse, France. Refrigerating-decanters. No. 68,798; Apr. 28; Gaz. vol. 133; p. 2175.
- Franz Hartmann Sinalco-Aktiengesellschaft in Detmold, Detmold, Germany. Fruit-lemonades. No. 71,525; Dec. 1; Gaz. vol. 137; p. 1231.
- Frapin & Co., P., Cognac, France. Cognac brandy. No. 71,579; Dec. 1; Gaz. vol. 137; p. 1233.
- Frapin & Co., P., Cognac and Segonzac-Cognac, France. Cognac brandy. No. 71,661; Dec. 8; Gaz. vol. 137; p. 1478.
- Frear Novelty Co., Albany, N. Y. Skirt and trousers hanger made of metal. No. 67,241; Jan. 28; Gaz. vol. 132; p. 835.
- Frederick Stearns & Co., Detroit, Mich. Perfumes. No. 67,413; Feb. 4; Gaz. vol. 132; p. 1065.
- Frederick Stearns & Co., Detroit, Mich. Remedies for indigestion and dyspepsia. No. 67,970; Mar. 3; Gaz. vol. 133; p. 223.
- Freeman, Delamater & Co., Detroit, Mich. Certain cutlery and edge-tools. No. 66,949; Jan. 7; Gaz. vol. 132; p. 226.
- Freeman, W. K., Oscawana, N. Y. Soap. No. 69,422; June 16; Gaz. vol. 134; p. 1797.
- Freeman, W. K., Oscawana, N. Y. Soap. No. 69,561; June 23; Gaz. vol. 134; p. 2023.
- Freeman, W. S., Philadelphia, Pa. Garters. No. 71,684; Dec. 8; Gaz. vol. 137; p. 1479.
- Froehrich von Tucher'sche Brauerei, Aktiengesellschaft, Nuremberg, Germany. Beer. No. 69,010; May 12; Gaz. vol. 134; p. 511.
- French & Co., Samuel H., Philadelphia, Pa. Paints and varnish. No. 70,015; July 21; Gaz. vol. 135; p. 659.
- Frien Novelty Co. Ltd., New Orleans, La. Certain clothing. No. 69,534; June 16; Gaz. vol. 134; p. 1800.
- Frese & Co., J. C., Hamburg, Germany. Herb tea. No. 70,938; Oct. 20; Gaz. vol. 136; p. 1763.
- Fresno Home Packing Company, Fresno, Cal. Canned, dried, and preserved fruits and canned vegetables. Nos. 66,921-4; Jan. 7; Gaz. vol. 132; p. 225-6.
- Friedlaender, B., Sebawaing, Mich. Certain composition. No. 70,119; Aug. 4; Gaz. vol. 135; p. 1117.
- Friedlander, J., New York, N. Y. Certain remedy. No. 67,893; Feb. 25; Gaz. vol. 132; p. 1832.
- Friedman & Krieger, New York, N. Y. Cotton and linen canvas used for garment-facings. No. 71,293; Nov. 17; Gaz. vol. 137; p. 727.
- Friend Brothers Clothing Company, Milwaukee, Wis. Overcoats and outer suits. No. 71,526; Dec. 1; Gaz. vol. 137; p. 1231.
- Friend & Marks, Milwaukee, Wis. Coats, vests, trousers, and overcoats. No. 67,183; Jan. 21; Gaz. vol. 132; p. 674.
- Frohsin & Kelly, Philadelphia, Pa. Certain clothing. No. 68,239; Mar. 17; Gaz. vol. 133; p. 758.
- Fromherz-Berlitzheimer Company, Chicago, Ill. Cigars. No. 69,340; June 9; Gaz. vol. 134; p. 1557.
- Frost, F. E., Worcester, Mass. Toilet-soap paste. No. 71,962; Dec. 22; Gaz. vol. 137; p. 1935.
- Frye & Co., J., New York, N. Y. Sardines in oil. No. 70,790; Oct. 6; Gaz. vol. 136; p. 1293.
- Frye, G. V., Lexington, Ohio. Composition for insulating material. No. 68,939; May 5; Gaz. vol. 134; p. 253.
- Fuller, F., New York, N. Y. Remedy for dyspepsia, headache, and nausea. No. 67,354; Jan. 28; Gaz. vol. 132; p. 838.
- Fuller, Frank, New York, N. Y. Certain cereal foods. No. 69,303; June 2; Gaz. vol. 134; p. 1234.
- Fuller-Greene Company, Boston, Mass. Chocolates. Nos. 72,040-1; Dec. 29; Gaz. vol. 137; p. 2214.
- Fuller, H. B., New York, N. Y. Pancake-flour. No. 70,791; Oct. 6; Gaz. vol. 136; p. 1293.
- Fulton Company, Knoxville, Tenn. Heat or temperature regulators. No. 68,046; Mar. 3; Gaz. vol. 133; p. 225.
- Fulton Iron Works, St. Louis, Mo. Cane-mills. No. 71,922; Dec. 22; Gaz. vol. 137; p. 1934.
- Fürst, B., Vienna, Austria-Hungary. Cooking, kitchen, and household utensils. No. 69,995; July 21; Gaz. vol. 135; p. 659.
- G. Drouvé Company, Bridgeport, Conn. Skylights. No. 70,895; Aug. 25; Gaz. vol. 135; p. 1799.
- G. Ricsmeyer Distilling Company, St. Louis, Mo. Blended and straight whiskies. No. 70,484; Sept. 8; Gaz. vol. 136; p. 433.
- G. Siegle & Co., G. m. b. H., Stuttgart, Germany. Certain painters' colors. No. 71,357; Nov. 17; Gaz. vol. 137; p. 729.
- G. A. Stafford & Co., Greenwich, Conn., and New York, N. Y. Wide sheetings and ready-made sheets. No. 71,580; Dec. 1; Gaz. vol. 137; p. 1233.
- G. C. Hanford Manufacturing Co., Syracuse, N. Y. Condition-powder for horses, cattle, sheep, and swine. No. 66,904; Jan. 7; Gaz. vol. 132; p. 225.
- G. E. Walter Company, New York, N. Y. Certain plastic compound. No. 70,757; Sept. 29; Gaz. vol. 136; p. 1064.
- G. H. Ballou Company, San Diego, Cal. Baking-powder. No. 69,225; May 26; Gaz. vol. 134; p. 1046.
- G. H. Ballou Company, San Diego, Cal. Spices and flavoring extracts. No. 71,162; Nov. 3; Gaz. vol. 137; p. 225.
- G. S. Feeny Co., Wheeling, W. Va. Candy. No. 68,304; Mar. 24; Gaz. vol. 133; p. 987.
- G. S. Feeny Co., Wheeling, W. Va. Canned fruits and vegetables. No. 71,018; Oct. 27; Gaz. vol. 136; p. 1995.
- G. W. Nicholson Company, Grand Junction, Iowa. Fresh and storage eggs. No. 67,725; Feb. 18; Gaz. vol. 132; p. 1580.
- G. W. Schmid Mfg. Co., Carthage, N. Y. Cough-drops. No. 70,147; Aug. 4; Gaz. vol. 135; p. 1118.
- G. W. Simpson & Co., Boston, Mass. Butter and cream. No. 67,046; Jan. 14; Gaz. vol. 132; p. 462.
- Gaar, Scott & Co., Richmond, Ind. Sawmills. No. 68,995; May 12; Gaz. vol. 134; p. 510.
- Gaar, Scott & Co., Richmond, Ind. Traction and portable steam-engines. No. 69,062; May 19; Gaz. vol. 134; p. 769.
- Gaar, Scott & Co., Richmond, Ind. Grain-threshing machine. No. 70,485; Sept. 8; Gaz. vol. 136; p. 433.
- Galbraith, H. L., Washington, D. C. Certain toilet preparations. No. 71,019; Oct. 27; Gaz. vol. 136; p. 1995.
- Gale, W. H., Hamburg, N. Y. Certain medicinal preparations. No. 68,906; May 5; Gaz. vol. 134; p. 252.
- Galena-Signal Oil Company, Franklin, Pa. Lubricating-oil. No. 68,859; May 5; Gaz. vol. 134; p. 251.
- Galena-Signal Oil Company, Franklin, Pa. Lubricating-oils. No. 68,860; May 5; Gaz. vol. 134; p. 251.
- Galena-Signal Oil Company, Franklin, Pa. Illuminating and lubricating oils and greases. No. 70,878; Oct. 13; Gaz. vol. 136; p. 1528.
- Galligan, E. H., Providence, R. I.; New York, N. Y., and Chicago, Ill. Waterproof oil blacking and dressing. No. 71,709; Dec. 15; Gaz. vol. 137; p. 1703.
- Ganim & Bro., B., New York, N. Y. Straight whisky. No. 70,982; Oct. 20; Gaz. vol. 136; p. 1764.
- Gant, J. Q., Elon College, N. C. Cotton cloth for suitings and canvas. No. 69,884; July 14; Gaz. vol. 135; p. 446.
- Gardiner, A. P., New York, N. Y. Bottled spring-water. No. 68,725; Apr. 28; Gaz. vol. 133; p. 2173.
- Gardner Broom Company, Amsterdam, N. Y. Brooms. Nos. 70,195-6; Aug. 11; Gaz. vol. 135; p. 1357.
- Gardner Governor Company, Quincy, Ill. Centrifugal governors and steam-pumps. No. 69,440; June 16; Gaz. vol. 134; p. 1797.
- Gardner, M., executrix. (See Moffett, C. J.)
- Garfinkle, J., Washington, D. C. Corsets. No. 70,100; July 28; Gaz. vol. 135; p. 890.
- Garner & Co., New York, N. Y. Cotton piece goods. Nos. 67,293-4; Jan. 28; Gaz. vol. 132; p. 836.
- Garner & Co., New York, N. Y. Printed and dyed cotton piece goods. No. 67,742; Feb. 18; Gaz. vol. 132; p. 1580.
- Garratt, J. E., New York, N. Y. Medicinal plaster and medicinal paint. No. 68,953; May 12; Gaz. vol. 134; p. 509.
- Gasser Coffee Company, Toledo, Ohio. Spices. No. 72,042; Dec. 29; Gaz. vol. 137; p. 2214.
- Gates, C. E., Waterbury, Conn. Investment compounds. No. 69,304; June 2; Gaz. vol. 134; p. 1294.
- Gates, Robert J., New York, N. Y. Capsules. No. 70,844; Oct. 13; Gaz. vol. 136; p. 1527.
- Gatti & Bro., J. E., Washington, D. C. Lucca olive-oil. No. 70,989; Oct. 20; Gaz. vol. 136; p. 1764.
- Gebhardt Chili Powder Co., San Antonio, Tex. Chili-spice preparation. No. 68,358; Mar. 31; Gaz. vol. 133; p. 1184.
- Geer, G. J., New York, N. Y., assignor to Priestleys Limited, Bradford, England. Dress goods in the piece. No. 70,283; Aug. 18; Gaz. vol. 135; p. 1578.
- Gehe & Co., Aktiengesellschaft, Dresden, Germany. Medicines for internal use. No. 71,638; Dec. 8; Gaz. vol. 137; p. 1478.
- Geisenberger Bros., Natchez, Miss. Remedy for rheumatism. No. 68,611; Apr. 21; Gaz. vol. 133; p. 1930.
- General Composing Company, Gesellschaft mit beschränkter Haftung, Berlin, Germany. Certain machinery, tools, and parts thereof. No. 71,849; Dec. 15; Gaz. vol. 137; p. 1707.
- General Electric Company, Schenectady, N. Y. Alternating-current transformers. No. 68,926; May 5; Gaz. vol. 134; p. 253.
- General Gas Light Co., Kalamazoo, Mich. Mantles for gas-lamps. No. 67,908; Feb. 25; Gaz. vol. 132; p. 1832.
- General Lubricating Company, Philadelphia, Pa. Lubricants. No. 68,612; Apr. 21; Gaz. vol. 133; p. 1930.
- General Phonograph Supply Co., New York, N. Y. Talking-machines and certain parts thereof. No. 68,047; Mar. 3; Gaz. vol. 133; p. 225.
- Genesee Pure Food Company, Le Roy, N. Y. Certain food compound. No. 70,690; Sept. 22; Gaz. vol. 136; p. 844.
- Geneva Preserving Company, Geneva, N. Y. Canned fruits and vegetables. No. 67,476; Feb. 4; Gaz. vol. 132; p. 1067.
- Geneva Preserving Company, Geneva, N. Y. Canned fruits and vegetables. Nos. 67,493-5; Feb. 4; Gaz. vol. 132; p. 1068.

Alphabetical list of registrants of trade-marks—Continued.

- Geo. Borgfeldt & Co., New York, N. Y. Certain rubber goods. No. 67,431; Feb. 4; Gaz. vol. 132; p. 1066.
- Geo. Borgfeldt & Co., New York, N. Y. Certain brushes. No. 67,496; Feb. 4; Gaz. vol. 132; p. 1068.
- Geo. Borgfeldt & Co., New York, N. Y. Certain rubber toys. No. 67,512; Feb. 4; Gaz. vol. 132; p. 1068.
- Geo. Borgfeldt & Co., New York, N. Y. Rubber combs. No. 67,670; Feb. 11; Gaz. vol. 132; p. 1316.
- Geo. Borgfeldt & Co., New York, N. Y. Penholders and paper-weights. No. 67,831; Feb. 18; Gaz. vol. 132; p. 1582.
- Geo. Borgfeldt & Co., New York, N. Y. Tennis-balls. No. 68,359; Mar. 31; Gaz. vol. 133; p. 1184.
- Geo. D. Witt Shoe Co., Lynchburg, Va. Leather boots and shoes. No. 67,644; Feb. 11; Gaz. vol. 132; p. 1315.
- Geo. D. Witt Shoe Company, Lynchburg, Va. Leather boots and shoes. No. 68,334; Mar. 31; Gaz. vol. 133; p. 1183.
- Geo. F. Dittmann Boot & Shoe Company, St. Louis, Mo. Leather boots and shoes. No. 67,376; Jan. 28; Gaz. vol. 132; p. 839.
- Geo. F. Eberhard Company, San Francisco, Cal. Certain tools. No. 68,475; Apr. 14; Gaz. vol. 133; p. 1673.
- Geo. G. Snow Co., Brockton, Mass. Leather boots and shoes. No. 68,267; Mar. 17; Gaz. vol. 133; p. 758.
- Geo. W. Torrey Company, Boston, Mass. Whisky. No. 68,662; Mar. 3; Gaz. vol. 133; p. 225.
- George A. Schmidt Company, Chicago, Ill. Certain toilet preparations. No. 68,119; Mar. 10; Gaz. vol. 133; p. 508.
- George, G., New York, N. Y. Straw hats. No. 71,440; Nov. 24; Gaz. vol. 137; p. 973.
- George La Monte & Son, Nutley, N. J., and New York, N. Y. Safety-paper. Nos. 68,268-9; Mar. 17; Gaz. vol. 133; p. 759.
- George La Monte & Son, Nutley, N. J., and New York, N. Y. Safety-paper. No. 68,291; Mar. 24; Gaz. vol. 133; p. 987.
- George Liss & Co., New York, N. Y. Coffee and tea. No. 67,550; Feb. 11; Gaz. vol. 132; p. 1313.
- George Liss & Co., New York, N. Y. Chocolate and cocoa. No. 69,063; May 19; Gaz. vol. 134; p. 770.
- George Liss & Co., New York, N. Y. Maple-syrup. No. 69,074; May 19; Gaz. vol. 134; p. 770.
- George Liss & Co., New York, N. Y. Canned salmon. No. 69,075; May 19; Gaz. vol. 134; p. 770.
- George Liss & Co., New York, N. Y. Certain foods. No. 69,107; May 19; Gaz. vol. 134; p. 771.
- George Nash Company, New York, N. Y. Certain tools and tool parts. No. 69,341; June 9; Gaz. vol. 134; p. 1557.
- George Steck & Co., New York, N. Y. Pianos and player-pianos. No. 69,004; May 19; Gaz. vol. 134; p. 770.
- George Tritch Hardware Company, Denver, Colo. Stoves, ranges, lamps, and lanterns. Nos. 68,663-4; Apr. 21; Gaz. vol. 133; p. 1931.
- George W. Davis Company, Chicago, Ill. Coats. No. 71,184; Nov. 10; Gaz. vol. 137; p. 469.
- George Wiedemann Brewing Co., Newport, Ky. Beer. No. 69,095; May 19; Gaz. vol. 134; p. 770.
- George Worthington Company, Cleveland, Ohio. Lawn-mowers. No. 68,204; Mar. 17; Gaz. vol. 133; p. 757.
- George Worthington Company, Cleveland, Ohio. Harness and whips. No. 69,103; May 19; Gaz. vol. 134; p. 771.
- George Worthington Company, Toledo, Ohio. Razor-strops. No. 69,123; May 19; Gaz. vol. 134; p. 771.
- Georgia Chemical Works, Augusta, Ga. Fertilizers. Nos. 68,942-3; May 12; Gaz. vol. 134; p. 509.
- Georgia Chemical Works, Augusta, Ga. Fertilizers. No. 69,383; June 9; Gaz. vol. 134; p. 1558.
- Gerhard Mennen Chemical Co., Newark, N. J. Toilet powder. No. 68,574; Apr. 14; Gaz. vol. 133; p. 1675.
- Gerhard Mennen Chemical Co., Newark, N. J. Borated skin-soap. No. 71,662; Dec. 8; Gaz. vol. 137; p. 1478.
- Gering, M., Gering, Nebr. Medical compounds containing iron. No. 67,978; Mar. 3; Gaz. vol. 133; p. 223.
- German-American Coffee Co., New York, N. Y. Coffee and tea. No. 69,603; June 23; Gaz. vol. 134; p. 2024.
- German-American Coffee Co., New York, N. Y. Coffee. No. 69,604; June 23; Gaz. vol. 134; p. 2024.
- German Artistic Weaving Co., New York, N. Y. Shoe-laces. No. 69,807; July 7; Gaz. vol. 135; p. 214.
- German Artistic Weaving Co., New York, N. Y. Hat-ribbons. No. 70,284; Aug. 18; Gaz. vol. 135; p. 1578.
- Germania Importing Co., New York, N. Y. Certain paper. No. 69,441; June 16; Gaz. vol. 134; p. 1797.
- Gersbacher, W., Jr., Springerton, Ill. Remedy for cancers and tumors. No. 71,354; Nov. 17; Gaz. vol. 137; p. 729.
- Getz Bros. & Co., San Francisco, Cal. Canned fish. No. 69,770; July 7; Gaz. vol. 135; p. 213.
- Getz Bros. & Co., San Francisco, Cal. Canned salmon and canned vegetables. No. 71,591; Dec. 1; Gaz. vol. 137; p. 1233.
- Geyerette Manufacturing Company, Denver, Colo. Toilet soap. No. 70,101; July 28; Gaz. vol. 135; p. 891.
- Giant Chemical Company, Philadelphia, Pa. Corn-salve. No. 68,613; Apr. 21; Gaz. vol. 133; p. 1930.
- Gieraltowski, C. P., Chicago, Ill. Tonics. No. 67,138; Jan. 21; Gaz. vol. 132; p. 673.
- Gilbert & Barker Mfg. Co., Springfield, Mass. Gas-stoves. No. 70,599; Sept. 15; Gaz. vol. 136; p. 654.
- Gildemeister, A., Paris, France. Alarm-whistles for motor-cars. No. 70,486; Sept. 8; Gaz. vol. 136; p. 433.
- Gilka, J. A., Berlin, Germany. Kummel. No. 69,627; June 23; Gaz. vol. 134; p. 2025.
- Gill Brothers Company, Steubenville, Ohio. Certain glassware. No. 68,799; Apr. 28; Gaz. vol. 133; p. 2175.
- Gill Brothers Company, Steubenville, Ohio. Certain glassware. Nos. 69,481-2; June 16; Gaz. vol. 134; p. 1798.
- Gill Brothers Company, Steubenville, Ohio. Lamp-chimneys, lantern-globes, and glass reflectors. No. 71,086; Oct. 27; Gaz. vol. 136; p. 1997.
- Gillette Safety Razor Co., Boston, Mass. Shaving-brushes. No. 70,428; Sept. 1; Gaz. vol. 136; p. 221.
- Gillette Safety Razor Co., Boston, Mass. Soap. No. 70,758; Sept. 29; Gaz. vol. 136; p. 1054.
- Gillette Safety Razor Co., Boston, Mass. Razors and razor-blades. No. 70,856; Oct. 13; Gaz. vol. 136; p. 1527.
- Gillette-Vibber Co., New London, Conn. Certain metal manufactures. No. 67,868; Feb. 25; Gaz. vol. 132; p. 1831.
- Gillies & Co., E. J., New York, N. Y. Roasted coffee. No. 68,763; Apr. 28; Gaz. vol. 133; p. 2174.
- Gisevius, B., Berlin, Germany. Writing, drawing, and lithographic pens and paper. No. 70,974; Oct. 20; Gaz. vol. 136; p. 1764.
- Glahn & Son, H. von, Brooklyn, N. Y. Canned vegetables. No. 68,465; Apr. 7; Gaz. vol. 133; p. 1431.
- Glanol Remedy Co., New York, N. Y. Remedies for eczema and other skin diseases. No. 69,957; July 21; Gaz. vol. 135; p. 658.
- Glenn Springs Company, Glenn Springs, S. C. Mineral, carbonated, and aerated waters. No. 67,397; Feb. 4; Gaz. vol. 132; p. 1065.
- Glenn Springs Company, Spartanburg, S. C. Mineral water. No. 67,909; Feb. 25; Gaz. vol. 132; p. 1832.
- Go-Zo Gloss Co., Philadelphia, Pa. Certain ironing compound. No. 67,394; Feb. 4; Gaz. vol. 132; p. 1065.
- Globe Fire Apparatus Company, Jersey City, N. J. Certain fire-extinguishing apparatus. No. 68,976; May 12; Gaz. vol. 134; p. 510.
- Globe Milling Co., Lockport, N. Y. Wheat-flours. No. 68,136; Mar. 10; Gaz. vol. 133; p. 508.
- Globe Packing Company, Lubec and Eastport, Me. Sardines. Nos. 67,432-3; Feb. 4; Gaz. vol. 132; p. 1066.
- Globe Packing Company, Lubec and Eastport, Me. American sardines in mustard sauce. No. 71,809; Dec. 15; Gaz. vol. 137; p. 1706.
- Globe Tobacco Company, Detroit, Mich. Smoking-tobacco, chewing-tobacco, cigars, and cigarettes. No. 67,024; Jan. 14; Gaz. vol. 132; p. 461.
- Globe Tobacco Company, Detroit, Mich. Smoking-tobacco, cigars, and cigarettes. No. 67,246; Jan. 28; Gaz. vol. 132; p. 835.
- Globe-Wernicke Company, Cincinnati, Ohio. Document-files. No. 69,605; June 23; Gaz. vol. 134; p. 2024.
- Globe Wire Company, Limited, Sharpsburg, Pa. Polished drill-rods and drawn wire. No. 67,461; Feb. 4; Gaz. vol. 132; p. 1067.
- Glorietta Ranch Company, Clovis, Cal. Green, dried, and preserved fruits and vegetables. No. 67,445; Feb. 4; Gaz. vol. 132; p. 1066.
- Glover, R. S., Dorchester, Mass. Certain medicine. No. 67,597; Feb. 11; Gaz. vol. 132; p. 1314.
- Goding, E. L., Portland, Me. Card, block, and picture games. No. 71,355; Nov. 17; Gaz. vol. 137; p. 729.
- Golden Gate Manufacturing Company, New York, N. Y. Certain valves, faucets, keys, vents, couplings, and connections. No. 70,574; Sept. 15; Gaz. vol. 136; p. 654.
- Golden Hill Distilling Co., Columbus, Ohio. Whisky. No. 67,311; Jan. 28; Gaz. vol. 132; p. 837.
- Golden State Wine Co., Los Angeles, Cal. Bourbon and rye whisky. No. 67,446; Feb. 4; Gaz. vol. 132; p. 1066.
- Goldmark, J., New York, N. Y. Commutator-polish. Nos. 69,866-7; July 14; Gaz. vol. 135; p. 445.
- Goldstandt, A. M., St. Louis, Mo. Certain medicinal preparation. No. 69,209; May 26; Gaz. vol. 134; p. 1046.
- Goller Shoe Co., Lynn, Mass. Women's leather shoes and oxfords. No. 72,001; Dec. 29; Gaz. vol. 137; p. 2213.
- Gomila-Demack Lumber Company, New Orleans, La. Logs, timber, and lumber. No. 69,423; June 16; Gaz. vol. 134; p. 1797.
- González, P. E., Caracas, Venezuela. Alcoholic beverage containing milk, eggs, brandy, and sugar. No. 68,160; Mar. 10; Gaz. vol. 133; p. 509.
- Good Housekeeping Co., New York, N. Y. Periodical magazines. No. 67,671; Feb. 11; Gaz. vol. 132; p. 1316.
- Good Roads Imp. Co., Cincinnati, Ohio. Asphalt-oil. No. 66,984; Jan. 7; Gaz. vol. 132; p. 227.
- Goodhair Remedy Company, Newark, Ohio. Soap. No. 70,332; Aug. 25; Gaz. vol. 135; p. 1797.
- Goodman Chemical Co., New York, N. Y. Dyed fur and dyed skins. No. 71,875; Dec. 22; Gaz. vol. 137; p. 1933.
- Goodman Co., L., Lynchburg, Va. Whisky. No. 68,647; Apr. 21; Gaz. vol. 133; p. 1930.
- Goodyear Rubber Company, St. Paul, Minn. Rubber boots and shoes, rubber clothing, and oiled clothing. No. 72,002; Dec. 29; Gaz. vol. 137; p. 2213.
- Goodyear Tire and Rubber Company, Akron, Ohio. Inner tubes of elastic vehicle-tires. No. 70,658; Sept. 22; Gaz. vol. 136; p. 843.
- Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn. Rubber boots and shoes. No. 67,462; Feb. 4; Gaz. vol. 132; p. 1067.
- Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn. Rubber boots and shoes. No. 67,672; Feb. 11; Gaz. vol. 132; p. 1316.
- Goodyear's Metallic Rubber Shoe Co., Naugatuck, Conn. Rubber boots and shoes. No. 66,959; Jan. 7; Gaz. vol. 132; p. 227.
- Goodyear's Metallic Rubber Shoe Co., Naugatuck, Conn. Rubber boots and shoes. Nos. 66,985-6; Jan. 7; Gaz. vol. 132; p. 227.
- Goodyear's Metallic Rubber Shoe Co., Naugatuck, Conn. Rubber boots and shoes. No. 68,549; Apr. 14; Gaz. vol. 133; p. 1675.
- Gophir Diamond Co. Ltd., London, England. Certain jewelry and miniature-photo frames. No. 68,421; Apr. 7; Gaz. vol. 133; p. 1430.
- Gopher Envelope Company, Minneapolis, Minn. Envelopes. No. 70,075; July 28; Gaz. vol. 135; p. 890.
- Gopher State Milling Company, Morrison, Minn. Wheat-flour. No. 71,810; Dec. 15; Gaz. vol. 137; p. 1706.
- Gordon Cigar and Cheroot Co., Inc., Richmond, Va. Cigars and cheroots. No. 68,614; Apr. 11; Gaz. vol. 133; p. 1930.
- Gorham Rubber Company, San Francisco, Cal. Rubber boots. No. 69,535; June 16; Gaz. vol. 134; p. 1800.
- Gotham Company, New York, N. Y. Nursing-nipples. No. 71,504; Dec. 1; Gaz. vol. 137; p. 1231.

Alphabetical list of registrants of trade-marks—Continued.

- Gothan Company, New York, N. Y. Nursing-bottles. No. 71,505; Dec. 1; Gaz. vol. 137; p. 1231.
- Gottesman & Son, M., New York, N. Y. Certain paper-makers' supplies. No. 68,190; Mar. 10; Gaz. vol. 133; p. 510.
- Gottschalk Company of Baltimore City, Baltimore, Md. Rye and malt whisky. Nos. 68,161-2; Mar. 10; Gaz. vol. 133; p. 509.
- Govatos, J., Wilmington, Del. Chocolate candies. No. 70,174; Aug. 4; Gaz. vol. 135; p. 1118.
- Govall Manufacturing Company, Cleveland, Ohio. Certain hardware, steam-fitting and plumbing supplies. No. 69,606; June 23; Gaz. vol. 134; p. 2024.
- Grading, E., Pittsburg, Kans. Certain polish and cleaning material. No. 69,424; June 16; Gaz. vol. 134; p. 1797.
- Graef, A., New York, N. Y. Razors. No. 67,247; Jan. 28; Gaz. vol. 132; p. 835.
- Graef & Schmidt, New York, N. Y. Razors, pocket-knives, and scissors. No. 71,850; Dec. 15; Gaz. vol. 137; p. 1707.
- Graham Paper Co., St. Louis, Mo. Printing and writing paper. Nos. 67,377-8; Jan. 28; Gaz. vol. 132; p. 839.
- Graham Paper Company, St. Louis, Mo. Wrapping-paper. No. 70,429; Sept. 1; Gaz. vol. 136; p. 221.
- Grand Rapids Refrigerator Company, Grand Rapids, Mich. Refrigerators. No. 69,924; July 21; Gaz. vol. 135; p. 657.
- Grand Rapids Veneer Works, Grand Rapids, Mich. Liquid waterproof dressing for application to the interior of dry-kilns to exclude moisture. No. 70,879; Oct. 13; Gaz. vol. 136; p. 1528.
- Grand Union Tea Co., Brooklyn, N. Y. Tea. No. 69,845; July 14; Gaz. vol. 135; p. 445.
- Grande, C., Sacramento, Cal. Cigars. No. 70,016; July 21; Gaz. vol. 135; p. 659.
- Grant, G. S., Inveraven, Scotland. Pure malt Scotch whisky. No. 72,081; Dec. 29; Gaz. vol. 137; p. 2216.
- Grape Capsule Co., Allentown, Pa. Castor-oil in capsules. No. 70,447; Sept. 1; Gaz. vol. 136; p. 221.
- Grape Capsule Company, Allentown, Pa. Certain medicines in capsule form. No. 69,132; May 19; Gaz. vol. 134; p. 771.
- Grape Capsule Company, Allentown, Pa. Soft gelatin capsules, filled and unfilled. No. 71,356; Nov. 17; Gaz. vol. 137; p. 729.
- Gration and Knight Manufacturing Company, Worcester, Mass. Leather belting. No. 69,305; June 2; Gaz. vol. 134; p. 1294.
- Graves, H. M., New York, N. Y. Pills and medicinal plasters. No. 69,584; June 23; Gaz. vol. 134; p. 2024.
- Graves, R. W., Nashville, Tenn. Medicine for the treatment of piles and eczema. No. 70,792; Oct. 6; Gaz. vol. 136; p. 1293.
- Greamba, G., Denver, Colo. Hair-restorative. No. 67,979; Mar. 3; Gaz. vol. 133; p. 223.
- Great Atlantic and Pacific Tea Company, New York, N. Y. Teas. No. 69,037; May 19; Gaz. vol. 134; p. 769.
- Great Atlantic & Pacific Tea Company, New York, N. Y. Soaps in powdered and cake forms. No. 69,425; June 16; Gaz. vol. 134; p. 1797.
- Great Western Cereal Company, Chicago, Ill. Food for live stock. No. 67,312; Jan. 28; Gaz. vol. 132; p. 837.
- Great Western Cereal Company, Jersey City, N. J., and Chicago, Ill. Prepared stock food for live stock. No. 71,942; Dec. 22; Gaz. vol. 137; p. 1935.
- Greeley Printery of St. Louis, St. Louis, Mo. Bread. No. 68,227; Mar. 17; Gaz. vol. 133; p. 758.
- Green Bay Canning Company, Green Bay, Wis. Canned vegetables. No. 69,445; June 16; Gaz. vol. 134; p. 1798.
- Green, F. H., Muscatine, Iowa. Tonic laxatives. No. 67,971; Mar. 3; Gaz. vol. 133; p. 223.
- Green, G. W., Boston, Mass. Sweeping-powder. No. 70,396; Aug. 25; Gaz. vol. 135; p. 1799.
- Greenhut & Company, New York, N. Y. Kid gloves. No. 68,048; Mar. 3; Gaz. vol. 133; p. 225.
- Griffin, J. H., New York, N. Y. Laid composite roofing. No. 70,249; Aug. 18; Gaz. vol. 135; p. 1577.
- Griffin & Skelley Co., San Francisco, Cal. Hermetically-sealed fruits. No. 68,777; Apr. 28; Gaz. vol. 133; p. 2175.
- Griffin & Skelley Co., San Francisco, Cal. Dried and evaporated fruits. No. 68,778; Apr. 28; Gaz. vol. 133; p. 2175.
- Griffin & Skelley Co., San Francisco, Cal. Certain fruits and vegetables. No. 68,779; Apr. 28; Gaz. vol. 133; p. 2175.
- Griffin & Skelley Co., San Francisco, Cal. Hermetically-sealed fruits and vegetables. No. 72,023; Dec. 29; Gaz. vol. 137; p. 2214.
- Griffin & Skelley Company, San Francisco, Cal. Hermetically-sealed fruits. No. 68,776; Apr. 28; Gaz. vol. 133; p. 2175.
- Griffith-Durney Company, San Francisco, Cal. Canned salmon. Nos. 68,871-2; May 5; Gaz. vol. 134; p. 251.
- Griffith-Durney Company, San Francisco, Cal. Canned salmon. Nos. 68,977-9; May 12; Gaz. vol. 134; p. 510.
- Griffith-Durney Company, San Francisco, Cal. Canned fruits and vegetables. No. 69,011; May 12; Gaz. vol. 134; p. 511.
- Griffith-Durney Company, San Francisco, Cal. Canned salmon. No. 69,076; May 19; Gaz. vol. 134; p. 770.
- Griffith-Durney Company, San Francisco, Cal. Canned fruits and vegetables. No. 69,109; May 19; Gaz. vol. 134; p. 771.
- Griffith-Durney Company, San Francisco, Cal. Canned salmon. No. 69,226; May 26; Gaz. vol. 134; p. 1046.
- Griffith-Durney Company, San Francisco, Cal. Canned fruits and vegetables. Nos. 69,570-1; June 23; Gaz. vol. 134; p. 2023.
- Griffith-Durney Company, San Francisco, Cal. Canned fruits and vegetables. No. 69,607; June 23; Gaz. vol. 134; p. 2024.
- Griffith-Durney Company, San Francisco, Cal. Canned salmon. Nos. 69,678-9; June 30; Gaz. vol. 134; p. 2239.
- Griffith-Durney Company, San Francisco, Cal. Canned fruits. No. 69,771; July 7; Gaz. vol. 135; p. 213.
- Griffith-Durney Company, San Francisco, Cal. Canned fruits and vegetables. No. 69,772; July 7; Gaz. vol. 135; p. 213.
- Griffith-Durney Company, San Francisco, Cal. Canned fruits and vegetables. No. 69,846; July 14; Gaz. vol. 135; p. 445.
- Griffith-Durney Company, San Francisco, Cal. Canned salmon. No. 69,847; July 14; Gaz. vol. 135; p. 445.
- Griffith-Durney Company, San Francisco, Cal. Canned salmon. Nos. 71,133-4; Nov. 3; Gaz. vol. 137; p. 225.
- Grimble & Co., Limited, London, England. Malt-vinegar. No. 70,729; Sept. 29; Gaz. vol. 136; p. 1063.
- Grommet Mfg Company, Incorporated, New York, N. Y. Ruffles and shirt-waist extenders. No. 70,314; Aug. 18; Gaz. vol. 135; p. 1579.
- Grossman's Sons, J., New Orleans, La. Compounded buchu gin. No. 70,624; Sept. 15; Gaz. vol. 136; p. 655.
- Grosswiler, J. F., Toledo, Ohio. Certain packing, hose, and belting. No. 69,516; June 16; Gaz. vol. 134; p. 1799.
- Grosswiler, J. F., Toledo, Ohio. Heating apparatus. No. 69,608; June 23; Gaz. vol. 134; p. 2024.
- Grosswiler, J. F., Toledo, Ohio. Certain plumbing supplies. No. 70,017; July 21; Gaz. vol. 135; p. 659.
- Grosvenor, J. P., Worcester, Mass. Leather and cloth shoes and slippers. No. 70,132; Aug. 4; Gaz. vol. 135; p. 1117.
- Grover, E. O., Highland Park, Ill. Certain hinged screen-like sections. No. 71,468; Nov. 24; Gaz. vol. 137; p. 974.
- Grover, W. M., Woodburn, Oreg. Medicinal preparations for certain diseases. No. 70,241; Aug. 11; Gaz. vol. 135; p. 1358.
- Grunebaum, C., Baltimore, Md., and Atlantic City, N. J. Solid and plated precious-metal ware and jewelry. No. 72,043; Dec. 29; Gaz. vol. 137; p. 2214.
- Grunow, F. A., New Orleans, La. Pumps. No. 70,076; July 28; Gaz. vol. 135; p. 890.
- Grünthal, J., Berlin, Germany. Remedies for constipation. No. 67,972; Mar. 3; Gaz. vol. 133; p. 223.
- Guggenheim Company, Cleveland, Ohio. Ladies' dress-waists and shirt-waists. No. 67,566; Feb. 11; Gaz. vol. 132; p. 1313.
- Gulf Chemical Co., Mobile, Ala. Tasteless castor-oil. No. 71,020; Oct. 27; Gaz. vol. 136; p. 1995.
- Gum-Lax Manufacturing Company, Newark, N. J. Laxative. No. 69,808; July 7; Gaz. vol. 135; p. 214.
- Gutmann & Co., Chicago, Ill. Tanned leather. No. 71,506; Dec. 1; Gaz. vol. 137; p. 1231.
- H. Koehler & Co., New York, N. Y. Beer. No. 69,012; May 12; Gaz. vol. 134; p. 511.
- H. Mueller Manufacturing Company, Decatur, Ill. Calking-tools. No. 68,335; Mar. 31; Gaz. vol. 133; p. 1183.
- H. Mueller Manufacturing Company, Decatur, Ill. Tapping-machines for water and gas mains. Nos. 68,336-7; Mar. 31; Gaz. vol. 133; p. 1183.
- H. Mueller Manufacturing Company, Decatur, Ill. Enameled cast-iron bath-tubs, lavatories, and basins. No. 70,303; Aug. 18; Gaz. vol. 135; p. 1578.
- H. Mueller Manufacturing Company, Decatur, Ill. Handles for self-closing bibs and faucets. No. 71,492; Nov. 24; Gaz. vol. 137; p. 975.
- H. Mueller Manufacturing Company, Decatur, Ill. Machines for tapping mains and parts of same. No. 71,527; Dec. 1; Gaz. vol. 137; p. 1231.
- H. A. Metz & Co., New York, N. Y. Certain chemical. No. 68,085; Mar. 10; Gaz. vol. 133; p. 507.
- H. B. Cladin Company, New York, N. Y. Certain antiseptics and germicides. No. 67,295; Jan. 28; Gaz. vol. 132; p. 837.
- H. B. Ives Company, New Haven, Conn. Sash-locks and door-bolts. No. 68,205; Mar. 17; Gaz. vol. 133; p. 757.
- H. B. Sherman Manufacturing Company, Battle Creek, Mich. Nails and roofing-nails. No. 70,162; Aug. 4; Gaz. vol. 135; p. 1118.
- H. C. Cole Milling Company, Chester, Ill. Wheat-flour. Nos. 71,895-8; Dec. 22; Gaz. vol. 137; p. 1933.
- H. C. Godman Company, Columbus and Lancaster, Ohio. Leather shoes and slippers. No. 70,102; July 28; Gaz. vol. 135; p. 891.
- H. C. White Co., North Bennington, Vt. Stereoscopic views and photographs. No. 68,636; Apr. 21; Gaz. vol. 133; p. 1930.
- H. C. White Co., North Bennington, Vt. Stereoscopes and graphoscopes. No. 70,133; Aug. 4; Gaz. vol. 135; p. 1117.
- H. D. Foss & Co., Incorporated, Boston, Mass. Chocolates. No. 71,639; Dec. 8; Gaz. vol. 137; p. 1478.
- H. F. Hahn & Company, Chicago, Ill. Jewelry for personal wear. No. 70,148; Aug. 4; Gaz. vol. 135; p. 1118.
- H. F. Hemingway & Co., Baltimore, Md. Certain foods. No. 71,811; Dec. 15; Gaz. vol. 137; p. 1706.
- H. G. Pape Electric Mfg. Co., Buffalo, N. Y. Certain telephonic apparatus. No. 71,943; Dec. 22; Gaz. vol. 137; p. 1935.
- H. & G. Simonds Limited, Reading, England. Ale. No. 69,996; July 21; Gaz. vol. 135; p. 659.
- H. & H. Company, Attica, Ind. Remedy for certain diseases. No. 69,133; May 19; Gaz. vol. 134; p. 771.
- H. J. Heinz Company, Allegheny, Pa. Certain foods. No. 67,934; Feb. 25; Gaz. vol. 132; p. 1833.
- H. J. McGrath Company, Baltimore, Md. Canned fruits, vegetables, and oysters. No. 68,406; Apr. 7; Gaz. vol. 133; p. 1429.
- H. K. Fooks & Co., Laurel, Del. Canned fruits and vegetables. No. 71,376; Nov. 24; Gaz. vol. 137; p. 971.
- H. R. Hall Company, Chicago, Ill. Coffee. No. 69,997; July 21; Gaz. vol. 135; p. 659.
- H. W. Baker Linen Company, New York, N. Y. Sheets and pillow-cases. No. 71,441; Nov. 24; Gaz. vol. 137; p. 973.
- H. W. Johns-Manville Co., New York, N. Y. Felt, paper, and asbestos roofings and pipe-covering. No. 68,137; Mar. 10; Gaz. vol. 133; p. 508.

Alphabetical list of registrants of trade-marks—Continued.

- H. W. Johns-Manville Company, New York, N. Y. Felt and paper roofing. No. 68,496; Apr. 14; Gaz. vol. 133; p. 1673.
- H. W. Johns-Manville Company, New York, N. Y. Asbestos engine and machinery packing. No. 68,829; Apr. 28; Gaz. vol. 133; p. 2176.
- H. W. Johns-Manville Company, New York, N. Y. Fire-extinguishers. No. 70,304; Aug. 18; Gaz. vol. 135; p. 1578.
- H. W. Johns-Manville Company, New York, N. Y. Pipe and boiler covering. No. 71,592; Dec. 1; Gaz. vol. 137; p. 1233.
- Haas, Baruch & Co., Los Angeles, Cal. Canned fish. No. 67,551; Feb. 11; Gaz. vol. 132; p. 1313.
- Haas, Baruch & Co., Los Angeles, Cal. Tea and coffee. No. 69,025; May 12; Gaz. vol. 134; p. 511.
- Haase, P., Boone, Iowa. Liniment. No. 67,630; Feb. 11; Gaz. vol. 132; p. 1315.
- Habicht, Braun & Co., Chicago, Ill., and New York, N. Y. Shelled almonds. Nos. 66,960-5; Jan. 7; Gaz. vol. 132; p. 227.
- Habicht, Braun & Co., Chicago, Ill., and New York, N. Y. Flavoring compounds. No. 67,616; Feb. 11; Gaz. vol. 132; p. 1315.
- Hagan, J. C., Richmond, Va. Flavoring extracts. No. 67,714; Feb. 18; Gaz. vol. 132; p. 1579.
- Hagan, J. C., Richmond, Va. Monthly periodical. No. 68,830; Apr. 28; Gaz. vol. 133; p. 2176.
- Haight, L. P., Muskegon, Mich. Hosiery. No. 69,368; June 9; Gaz. vol. 134; p. 1558.
- Hall, F. A., New York, N. Y. Feathers. No. 67,543; Feb. 11; Gaz. vol. 132; p. 1313.
- Hall, H. J. S., *et al.*, executors. (See Hall, W. H.)
- Hall, Hartwell & Co., Troy, N. Y. Collars and cuffs made from textile material. No. 71,021; Oct. 27; Gaz. vol. 136; p. 1995.
- Hall, Hartwell & Co., Troy, N. Y. Outer shirts, collars, and cuffs. No. 71,022; Oct. 27; Gaz. vol. 136; p. 1995.
- Hall, Hartwell & Company, Troy, N. Y. Collars. Nos. 71,442-3; Nov. 24; Gaz. vol. 137; p. 973.
- Hall, M. M., *et al.*, executors. (See Hall, W. H.)
- Hall & Ruckel, New York, N. Y. Certain toilet preparations. No. 68,240; Mar. 17; Gaz. vol. 133; p. 758.
- Hall, W. A., New York, N. Y. Artificially-colored wood. No. 69,251; June 2; Gaz. vol. 134; p. 1293.
- Hall, W. H., deceased; H. J. S., W. H., and M. M. Hall, New York, N. Y., and I. Hawley, Orange, N. J., executors. Dentifrices in liquid, powder, paste, and soap form. No. 67,355; Jan. 28; Gaz. vol. 132; p. 838.
- Hallworth & Son, J., Manchester, England. Velvetens. No. 70,759; Sept. 29; Gaz. vol. 136; p. 1064.
- Halpen, Green & Co., Philadelphia, Pa. Table-syrup. No. 67,047; Jan. 14; Gaz. vol. 132; p. 462.
- Halpen, Green & Co., Philadelphia, Pa. Table-syrup. No. 67,715; Feb. 18; Gaz. vol. 132; p. 1579.
- Halsey J. Tibbals Chemical Manufacturing Company, Philadelphia, Pa. Wash and laundry blue. No. 69,885; July 14; Gaz. vol. 135; p. 446.
- Hamilton Manufacturing Company, Lowell, Mass. Cotton piece goods. No. 71,130; Nov. 3; Gaz. vol. 137; p. 224.
- Hammel, Riglander & Co., New York, N. Y. Jewelers' saws. No. 70,448; Sept. 1; Gaz. vol. 136; p. 221.
- Hammondsport Wine Company, Hammondsport, N. Y. American white wines. No. 70,625; Sept. 15; Gaz. vol. 136; p. 655.
- Hammondsport Wine Company, Hammondsport, N. Y. White wines of the Tokay type. No. 71,528; Dec. 1; Gaz. vol. 137; p. 1232.
- Hampden Watch Co., Canton, Ohio. Watches and watch-movements and parts thereof. No. 71,851; Dec. 15; Gaz. vol. 137; p. 1707.
- Hance Bros. & White, Philadelphia, Pa. Antiseptic compounds. No. 70,103; July 28; Gaz. vol. 135; p. 891.
- Hannah & Hogg, Chicago, Ill. Olive-oil. No. 67,048; Jan. 14; Gaz. vol. 132; p. 462.
- Hannah & Hogg, Chicago, Ill. Whisky. No. 67,832; Feb. 18; Gaz. vol. 132; p. 1582.
- Hannah, W. S., East St. Louis, Ill. Candied popcorn, candy, and chewing-gum. No. 67,313; Jan. 28; Gaz. vol. 132; p. 837.
- Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft, Hanover-Limmer, Germany. Combs and hair ornaments. No. 68,517; Apr. 14; Gaz. vol. 133; p. 1674.
- Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft, Hanover-Limmer, Germany. Rubber tires for vehicles of all kinds. Nos. 68,550-1; Apr. 14; Gaz. vol. 133; p. 1675.
- Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft, Hanover-Limmer, Germany. Rubber combs. No. 69,647; June 23; Gaz. vol. 134; p. 2025.
- Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft, Hanover-Limmer, Germany. Rubber combs. No. 70,315; Aug. 18; Gaz. vol. 135; p. 1579.
- Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft, Hanover-Limmer, Germany. Certain rubber toys. No. 71,050; Oct. 27; Gaz. vol. 136; p. 1996.
- Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft, Hanover-Limmer, Germany. Certain rubber goods. Nos. 71,199-200; Nov. 10; Gaz. vol. 137; p. 469.
- Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft, Hanover-Limmer, Germany. Certain rubber goods. No. 71,337; Nov. 17; Gaz. vol. 137; p. 729.
- Hanrahan Pharmacal Co. Inc., Portsmouth, Va. Compound purgative elixir. No. 69,809; July 7; Gaz. vol. 135; p. 214.
- Hansen-Bennett Company, Providence, R. I. Jewelry. No. 67,762; Feb. 18; Gaz. vol. 132; p. 1581.
- Hanson, F. O., Holyoke, Mass. Writing-paper. Nos. 69,261-4; June 2; Gaz. vol. 134; p. 1293.
- Hanson, F. O., Holyoke, Mass. Writing-paper. No. 71,852; Dec. 15; Gaz. vol. 137; p. 1707.
- Hardie Bros. Co., Pittsburg, Pa. Candies and peanut-candies. No. 69,038; May 19; Gaz. vol. 134; p. 769.
- Hardsooth Manufacturing Company, Ottumwa, Iowa. Drills and drilling machinery. No. 70,077; July 28; Gaz. vol. 135; p. 890.
- Hardtmutz, L. & C., Vienna and Budweis, Austria-Hungary, and London, England. Tracing-cloth. No. 67,436; Feb. 4; Gaz. vol. 132; p. 1066.
- Harper Paper Company, Mineola and New York, N. Y. Paper. No. 70,018; July 21; Gaz. vol. 135; p. 659.
- Harrah & Stewart Mfg. Co., Des Moines, Iowa. Brooms. No. 69,925; July 21; Gaz. vol. 135; p. 657.
- Harral Soap Co., New York, N. Y. Scouring-soap. No. 71,963; Dec. 22; Gaz. vol. 137; p. 1935.
- Harrington & Richardson Arms Co., Worcester, Mass. Revolvers, pistols, rifles, and shotguns. No. 69,039; May 19; Gaz. vol. 134; p. 769.
- Harrington and Richardson Arms Company, Worcester, Mass. Shotguns, rifles, and revolvers. No. 66,950; Jan. 7; Gaz. vol. 132; p. 226.
- Harris, J. R., St. Louis, Mo. Stomach-bitters. No. 71,358; Nov. 17; Gaz. vol. 137; p. 729.
- Harris, J. S., New York, N. Y. Soap. No. 67,631; Feb. 11; Gaz. vol. 132; p. 1315.
- Harris, J. S., New York, N. Y. Laundry starch. No. 67,691; Feb. 18; Gaz. vol. 132; p. 1579.
- Harris, J. S., New York, N. Y. Textile collars. No. 67,716; Feb. 18; Gaz. vol. 132; p. 1579.
- Harris, M. H., New York, N. Y. Clips or holding devices for eyeglasses. No. 68,648; Apr. 21; Gaz. vol. 133; p. 1930.
- Harris, O. J., San Jose, Cal. Hair-remover. No. 69,856; July 14; Gaz. vol. 135; p. 446.
- Harris Saddlery Company, Cairo, Ill. Harness, saddles, horse-collars, whips, and lap-robes. No. 68,927; May 5; Gaz. vol. 134; p. 253.
- Harris Suspender Co., New York, N. Y. Suspenders. No. 69,729; June 30; Gaz. vol. 134; p. 2241.
- Harris Suspender Company, New York, N. Y. Garters. No. 67,935; Feb. 25; Gaz. vol. 132; p. 1833.
- Hart, C. M., Brooklyn, N. Y. Compounds for the extermination of vermin. No. 67,210; Jan. 21; Gaz. vol. 132; p. 675.
- Hart, K., Philadelphia, Pa. Textile fabrics made in imitation of chamois. No. 69,746; June 30; Gaz. vol. 134; p. 2241.
- Hart Manufacturing Co., Cleveland, Ohio. Dies, die-stocks, and screw-threading tools. No. 68,383; Apr. 7; Gaz. vol. 133; p. 1429.
- Hartmann & Hauers, Hanover, Germany. Certain chemical preparations. No. 69,938; July 21; Gaz. vol. 135; p. 657.
- Hartmann & Hauers, Hanover, Germany. Certain chemical preparations. No. 69,958; July 21; Gaz. vol. 135; p. 658.
- Hartman, W., Schuylkill Haven, Pa. Certain medicine. No. 68,466; Apr. 7; Gaz. vol. 133; p. 1431.
- Hartnett Vulcograph Company, Baltimore, Md. Plates for printing and embossing. No. 71,812; Dec. 15; Gaz. vol. 137; p. 1706.
- Harvey & Outerbridge, New York, N. Y. Millboard. No. 69,252; June 2; Gaz. vol. 134; p. 1293.
- Hasenclever & Sohne, J. B., Remscheid, Germany. Axes, adzes, hay-knives, and hatchets. Nos. 70,345-6; Aug. 25; Gaz. vol. 135; p. 1797.
- Hasenclever & Sohne, J. B., Remscheid, Germany. Certain tools. Nos. 70,347-50; Aug. 25; Gaz. vol. 135; p. 1797.
- Hasenclever & Sohne, J. B., Remscheid, Germany. Certain hardware. Nos. 70,362-3; Aug. 25; Gaz. vol. 135; p. 1798.
- Hasenclever & Sohne, J. B., Remscheid, Germany. Certain hardware. No. 70,576; Sept. 15; Gaz. vol. 136; p. 654.
- Haskell Implement & Seed Company, Boston, Mass. Seeds, agricultural, flower, and garden. No. 70,794; Oct. 6; Gaz. vol. 136; p. 1293.
- Hassam Paving Company, Worcester, Mass. Certain concrete and cement work and compositions. No. 69,702; June 30; Gaz. vol. 134; p. 2240.
- Hatch, R. L., New York, N. Y. Nuts. Nos. 69,687-8; June 30; Gaz. vol. 134; p. 2240.
- Havana-American Company, New York, N. Y. Cigars. No. 69,342; June 9; Gaz. vol. 134; p. 1557.
- Hawes Hat Company, New York, N. Y. Hats and caps. No. 68,453; Apr. 7; Gaz. vol. 133; p. 1431.
- Hawkins, H. H., Tannerscreek, Va. Cantaloups. No. 71,377; Nov. 24; Gaz. vol. 137; p. 971.
- Hawley & Hops. (See Meatox Company, assignor.)
- Hawley, I., *et al.*, executors. (See Hall, W. H.)
- Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Records for talking-machines. Nos. 67,632-3; Feb. 11; Gaz. vol. 132; p. 1315.
- Hayden-Corbett Chain Co., Columbus, Ohio. Chains, chain-links, and chain-hooks. No. 67,782; Feb. 18; Gaz. vol. 132; p. 1581.
- Hayes, F. H., New York, N. Y. Dress goods in the piece. No. 71,294; Nov. 17; Gaz. vol. 137; p. 727.
- Haynes Henson Shoe Company, Knoxville, Tenn. Leather boots and shoes. Nos. 69,585-6; June 23; Gaz. vol. 134; p. 2024.
- Haynes Henson Shoe Company, Knoxville, Tenn. Leather boots and shoes. No. 69,810; July 5; Gaz. vol. 135; p. 214.

Alphabetical list of registrants of trade-marks—Continued.

- Haynes, Sparrell & Co., Boston, Mass. Leather boots and shoes. Nos. 71,295-7; Nov. 17; Gaz. vol. 137; p. 727.
- Hayward Company, New York, N. Y. Hoisting-engine drums. Nos. 68,764-5; Apr. 28; Gaz. vol. 133; p. 2174.
- Hazard Paint and Chemical Company, Providence R. I. Paint and varnish cleaner and solvent. No. 68,476; Apr. 14; Gaz. vol. 133; p. 1673.
- Hazard Powder Company, Hazardville, Conn. Explosive powder, including smokeless powder. No. 67,233; Jan. 28; Gaz. vol. 132; p. 835.
- Hazard Powder Company, Hazardville, Conn. Gunpowder. No. 69,863; July 14; Gaz. vol. 135; p. 445.
- Hazen-Brown Co., Brockton, Mass. Certain cements and pastes. No. 67,110-11; Jan. 14; Gaz. vol. 132; p. 463.
- Headson and Overesch, La Fayette, Ind. Pipe-joint cement. No. 69,483; June 16; Gaz. vol. 134; p. 1798.
- Heap & Sons, W., Grand Haven, Mich. Wooden water-closet seats and tanks. Nos. 68,094-5; Mar. 10; Gaz. vol. 133; p. 507.
- Hearst, W. R., New York, N. Y. Newspaper. Nos. 68,685-6; Apr. 21; Gaz. vol. 133; p. 1931.
- Heath & Co. Limited, Crayford, England. Certain scientific instruments. No. 63,730; June 30; Gaz. vol. 134; p. 2241.
- Hebart, J. G., Nuremberg, Germany. Floating wicks or night-lights. No. 69,199; May 26; Gaz. vol. 134; p. 1046.
- Heft, C. A., Minneapolis, Minn. Rheumatism liniment. No. 69,811; July 7; Gaz. vol. 135; p. 214.
- Heim, M., Berlin, Germany. Remedies for seasickness. No. 68,907; May 5; Gaz. vol. 134; p. 252.
- Heimsoth, J. D., Chicago, Ill. Straight Bourbon and straight rye whisky. No. 71,624; Dec. 8; Gaz. vol. 137; p. 1477.
- Hein, G. N., San Francisco, Cal. Dental obtundents. No. 67,356; Jan. 28; Gaz. vol. 132; p. 838.
- Heineman Brothers, Baltimore, Md. Cigars, cheroots, and little cigars. No. 67,763; Feb. 18; Gaz. vol. 132; p. 1581.
- Heller & Long, New York, N. Y. Sheetings, shirtings, and drills. Nos. 70,285-6; Aug. 18; Gaz. vol. 135; p. 1578.
- Heller & Long, New York, N. Y. Printed and dyed textile cotton fabrics. No. 70,533; Sept. 8; Gaz. vol. 136; p. 434.
- Heller & Long, New York, N. Y. Drills. No. 70,534; Sept. 8; Gaz. vol. 136; p. 434.
- Heller & Long, New York, N. Y. Handkerchiefs. No. 71,233; Nov. 17; Gaz. vol. 137; p. 727.
- Heller & Long, New York, N. Y. Drills. No. 71,828; Dec. 15; Gaz. vol. 137; p. 1706.
- Hempel, H. A., Buffalo, N. Y. Printers' quoin. No. 70,222; Aug. 11; Gaz. vol. 135; p. 1358.
- Henckels, J. A., Solingen, Germany. Certain cutlery and tools. Nos. 69,919-20; July 14; Gaz. vol. 135; p. 447.
- Hendee, G. M., Springfield, Mass. Bicycles and motor-cycles. No. 67,699; Feb. 18; Gaz. vol. 132; p. 1579.
- Hendry, J., Glasgow, Scotland. Leather machinery belting. No. 71,867; Dec. 15; Gaz. vol. 137; p. 1707.
- Henken Company, H. C., Springfield, Mass. Beer and ale. No. 69,887; July 14; Gaz. vol. 135; p. 446.
- Henry B. Gilpin Company, Baltimore, Md. Toilet powder. No. 71,710; Dec. 15; Gaz. vol. 137; p. 1703.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Saws. No. 70,449; Sept. 1; Gaz. vol. 136; p. 221.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Screw-drivers. No. 70,857; Oct. 13; Gaz. vol. 136; p. 1527.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Saws. No. 70,858; Oct. 13; Gaz. vol. 136; p. 1527.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Post-hole diggers. No. 70,859; Oct. 13; Gaz. vol. 136; p. 1527.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Saws. Nos. 70,860-1; Oct. 13; Gaz. vol. 136; p. 1527.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Saw-sets. No. 70,862; Oct. 13; Gaz. vol. 136; p. 1527.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Saws. No. 70,863; Oct. 13; Gaz. vol. 136; p. 1527.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Hand-operated screw-drivers. No. 71,131; Nov. 3; Gaz. vol. 137; p. 224.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Saws. No. 71,982; Dec. 29; Gaz. vol. 137; p. 2213.
- Henry Diston & Sons, Incorporated, Philadelphia, Pa. Saw-sets. No. 71,983; Dec. 29; Gaz. vol. 137; p. 2213.
- Henry K. Wampole and Company, Incorporated, Philadelphia, Pa. Remedy for intestinal indigestion and hepatic congestion. No. 70,639; Sept. 22; Gaz. vol. 136; p. 843.
- Henry, T. W., Des Moines, Iowa. Detergent composition resembling soap. No. 67,634; Feb. 11; Gaz. vol. 132; p. 1315.
- Henry Thayer & Company, Cambridge, Mass. Medicated lozenges for coughs. No. 71,230; Nov. 10; Gaz. vol. 137; p. 470.
- Henseler, A. J., Peoria, Ill. Straight Bourbon whisky. No. 70,430; Sept. 1; Gaz. vol. 136; p. 221.
- Hepworth Mfg. Co., Ltd., London, England. Kinematograph-films. No. 71,853; Dec. 15; Gaz. vol. 137; p. 1707.
- Hercher, C., Pine Bluff, Ark. Corn and union salve. No. 70,589; Sept. 15; Gaz. vol. 136; p. 654.
- Heritage, J. W., Philadelphia, Pa. Photographic prints of plans, specifications, and surveys. No. 67,764; Feb. 18; Gaz. vol. 132; p. 1581.
- Herman Behr & Co., New York, N. Y. Paper and cloth coated with abrasive material. No. 67,283; Jan. 28; Gaz. vol. 132; p. 836.
- Herman Brothers Company, Lincoln, Neb. Certain clothing. No. 68,255; Mar. 17; Gaz. vol. 133; p. 758.
- Herr, F. J., New York, N. Y. Disinfectants and vermin-exterminators. No. 70,716; Sept. 29; Gaz. vol. 136; p. 1063.
- Herrick Refrigerator & Mfg. Co., Kansas City, Mo. Refrigerator-linings. No. 69,290; June 2; Gaz. vol. 134; p. 1294.
- Herrick Refrigerator & Cold Storage Company, Waterloo, Iowa. Refrigerators. Nos. 70,197-8; Aug. 11; Gaz. vol. 135; p. 1357.
- Herring, H. L., Atlanta, Ga. Hair-tonics. No. 67,577; Feb. 11; Gaz. vol. 132; p. 1314.
- Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y. Safes. No. 70,369; Aug. 25; Gaz. vol. 135; p. 1798.
- Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y. Safes. No. 70,411; Aug. 25; Gaz. vol. 135; p. 1799.
- Herron, J. M., New York, N. Y., assignor, by mesne assignments, to Ceylon Cocoa & Coffee Company. Certain food flavoring and coating. No. 68,780; Apr. 28; Gaz. vol. 133; p. 2175.
- Hersey, O. H., Portland, Me. Wooden toothpicks. No. 70,370; Aug. 25; Gaz. vol. 135; p. 1798.
- Hertlein, C. E., New York, N. Y. Shoe-laces. No. 70,829; Oct. 6; Gaz. vol. 136; p. 1294.
- Hess Biscuit and Bread Co., Ogden, Utah. Biscuits, crackers, and bread. No. 70,730; Sept. 29; Gaz. vol. 136; p. 1064.
- Hess Biscuit and Bread Co., Ogden, Utah. Soda-crackers. No. 70,955; Oct. 20; Gaz. vol. 136; p. 1764.
- Hess-Snyder Co., Massillon, Ohio. Well and cistern pumps. No. 70,078; July 28; Gaz. vol. 135; p. 890.
- Hewitt Bros. Soap Company, Dayton, Ohio. Soap for laundry and household use. No. 67,528; Feb. 14; Gaz. vol. 132; p. 1068.
- Heyden Chemical Works, New York, N. Y. Colloidal silver for therapeutic use. No. 69,134; May 19; Gaz. vol. 134; p. 771.
- Heymann, W., New York, N. Y. Collars and cuffs made from celluloid and other similar compositions. No. 68,063; Mar. 3; Gaz. vol. 133; p. 225.
- Heywood Candy Manufacturing Company, Des Moines, Iowa. Candies. No. 67,434; Feb. 4; Gaz. vol. 132; p. 1066.
- Heywood Boot & Shoe Company, Worcester, Mass. Leather boots and shoes. No. 68,064; Mar. 3; Gaz. vol. 133; p. 225.
- Hiatt & Company, W. S., New York, N. Y. Antiseptics and germicides. No. 69,959; July 21; Gaz. vol. 135; p. 658.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Washing-machines and parts thereof. No. 67,112; Jan. 14; Gaz. vol. 132; p. 463.
- Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Rubber roofing. No. 71,469; Nov. 24; Gaz. vol. 137; p. 974.
- Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Door-locks and padlocks. No. 71,470; Nov. 24; Gaz. vol. 137; p. 974.
- Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Washing-machines and parts thereof. No. 71,663; Dec. 8; Gaz. vol. 137; p. 1478.
- Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Dry batteries, telephones, and insulated tape. No. 71,685; Dec. 8; Gaz. vol. 137; p. 1479.
- Hickory Bark Remedy Company, Salem, Ore. Cough remedy. No. 71,711; Dec. 15; Gaz. vol. 137; p. 1703.
- Hicks, A. S., Grand Rapids, Mich. Polish for furniture. No. 67,335; Jan. 28; Gaz. vol. 132; p. 838.
- Higginsville Milling Co., Higginsville, Mo. Wheat-flour. No. 68,916; May 5; Gaz. vol. 134; p. 252.
- High Grade Lard Company, Baltimore, Md. Substitute for lard. No. 67,158; Jan. 21; Gaz. vol. 132; p. 673.
- Hill, A., London, England, assignor to John Robertson & Sons Limited, Dundee, Scotland. Whisky. No. 67,268; Jan. 28; Gaz. vol. 132; p. 836.
- Hillenbrand, A., et al., executors. (See Schmitz, J. P.)
- Hills Bros., San Francisco, Cal. Tea. No. 71,813; Dec. 15; Gaz. vol. 137; p. 1706.
- Hilmer Commission Co., St. Louis, Mo. Butter. No. 72,066; Dec. 29; Gaz. vol. 137; p. 2215.
- Hilo Gum Company, Chicago, Ill. Vending-machines. No. 69,662; June 30; Gaz. vol. 134; p. 2239.
- Hinkle, W. A., Peoria, Ill. Certain aromatic liquid. No. 68,745; Apr. 28; Gaz. vol. 133; p. 2174.
- Hipple, A. H., Omaha, Neb. Perspiration-absorbent. No. 71,444; Nov. 24; Gaz. vol. 137; p. 973.
- Hirao, S., Tokyo, Japan. Tooth-powder. No. 70,223; Aug. 11; Gaz. vol. 135; p. 1358.
- Hires Condensed Milk Co., Philadelphia, Pa. Condensed skimmed milk. No. 68,746; Apr. 28; Gaz. vol. 133; p. 2174.
- Hiresh Brothers, New Haven, Conn., and New York, N. Y. Men's, women's, and children's hosiery. No. 70,287; Aug. 18; Gaz. vol. 135; p. 1578.
- Hirshfeld, A., Brooklyn, N. Y. Foot-supporters. No. 71,964; Dec. 22; Gaz. vol. 137; p. 1935.
- Hitch, D. M., Philadelphia, Pa. Tooth-brush sterilizer. No. 67,159; Jan. 21; Gaz. vol. 132; p. 673.
- Hoch Hames Co. Inc., Freeland and Hazleton, Pa. Hames. No. 67,635; Feb. 11; Gaz. vol. 132; p. 1315.
- Hockaday Paint Co., Wichita, Kans. Stain and paint. No. 69,343; June 9; Gaz. vol. 134; p. 1557.
- Hodgdon, F. M., Haverhill, Mass. Leather and canvas shoes. No. 69,536; June 16; Gaz. vol. 134; p. 1800.
- Hodge & Bailey, Little Rock, Ark. Remedy for the cure of malaria and diseases of the blood and kidney. No. 67,783; Feb. 18; Gaz. vol. 132; p. 1581.
- Hoffman, D. H., New Orleans, La. Roasted coffee. No. 66,925; Jan. 7; Gaz. vol. 132; p. 226.
- Hoffman, D. H., New Orleans, La. Roasted and ground coffee. No. 66,926; Jan. 7; Gaz. vol. 132; p. 226.
- Hoffmann's Sons, J., Cincinnati, assignor to John Hoffmann's Sons Company, Hamilton, Ohio. Lard and certain meats. No. 68,800; Apr. 28; Gaz. vol. 133; p. 2175.

Alphabetical list of registrants of trade-marks—Continued.

- Hogan, J. J., Philadelphia, Pa. Butter. No. 70,049; July 28; Gaz. vol. 135; p. 889.
- Hogan Milling Company, Junction City, Kans. Wheat-flour. No. 70,910; Oct. 13; Gaz. vol. 136; p. 1529.
- Holbrook Grocery Co., Keene and Woodsville, N. H. Certain foods. No. 69,466; June 16; Gaz. vol. 134; p. 1798.
- Holbrooks Limited, Birmingham, England. Certain foods. No. 68,928; May 5; Gaz. vol. 134; p. 253.
- Holdfast Manufacturing Company, Philadelphia, Pa. Safety-match-box holders. No. 71,924; Dec. 22; Gaz. vol. 137; p. 1934.
- Holding, N. E., Cynthia, Ky. Chemical antiseptic composition. No. 71,925; Dec. 22; Gaz. vol. 137; p. 1934.
- Holeproof Hosiery Company, Milwaukee, Wis. Hosiery. No. 71,299; Nov. 17; Gaz. vol. 137; p. 727.
- Holland Radiator Company, Bremen, Ind., and Chicago, Ill. Radiators. No. 68,065; Mar. 3; Gaz. vol. 133; p. 225.
- Hollander Bros. Drug Co., Braddock, Pa. Remedy for dyspepsia. No. 68,655; Apr. 21; Gaz. vol. 133; p. 1930.
- Hollins Sons & Co., Nashville, Tenn. Leather boots and shoes. No. 68,270; Mar. 17; Gaz. vol. 133; p. 759.
- Holmes Silk Company, New York, N. Y., and Paterson, N. J. Black silk taffeta in the piece. No. 70,921; Oct. 13; Gaz. vol. 136; p. 1529.
- Holt & Smith, Los Angeles, Cal. Tongued and grooved boards. No. 69,703; June 30; Gaz. vol. 134; p. 2240.
- Holton & Adams, New York, N. Y. Brushes. No. 66,951; Jan. 7; Gaz. vol. 132; p. 226.
- Holton, H., New York, N. Y. Pyrographical or burning instruments or tools and appliances therefor. No. 68,440; Apr. 7; Gaz. vol. 133; p. 1430.
- Homann, E., Berlin, Germany. Certain chemical preparations. No. 68,422; Apr. 7; Gaz. vol. 133; p. 1430.
- Home Brewing Company, Newark, N. J. Non-intoxicating malt beverage. No. 71,582; Dec. 1; Gaz. vol. 137; p. 1233.
- Home & Colonial Stores, Limited, London, England. Certain foods. No. 69,812; July 7; Gaz. vol. 135; p. 214.
- Home and Farm Publishing Co., Louisville, Ky. Periodicals. No. 71,868; Dec. 15; Gaz. vol. 137; p. 1707.
- Home Remedy Company, Fredonia, N. Y. Certain medicinal preparations. No. 68,120; Mar. 10; Gaz. vol. 133; p. 508.
- Home Remedy Company, Fredonia, N. Y. Certain medical preparations. No. 69,210; May 26; Gaz. vol. 134; p. 1046.
- Homer Brass Works Incorporated, Philadelphia, Pa. Cocks, valves, faucets, and strainers. No. 68,096; Mar. 10; Gaz. vol. 133; p. 507.
- Homer Brass Works Incorporated, Philadelphia, Pa. Certain metals. No. 68,097; Mar. 10; Gaz. vol. 133; p. 507.
- Hood Rubber Co., Boston, Mass. Rubber vehicle-tires and rubber boots and shoes. No. 66,966; Jan. 7; Gaz. vol. 132; p. 227.
- Hood Rubber Co., Boston, Mass. Rubber footwear and rubber tires for motor-vehicles. No. 66,987; Jan. 7; Gaz. vol. 132; p. 227.
- Hood Rubber Co., Boston, Mass. Rubber footwear and rubber tires for motor-vehicles. No. 67,160; Jan. 21; Gaz. vol. 132; p. 673.
- Hood Rubber Co., Boston, Mass. Certain rubber goods. No. 68,168; Mar. 10; Gaz. vol. 133; p. 509.
- Hood Rubber Co., Boston, Mass. Boots and shoes and overshoes. No. 72,044; Dec. 29; Gaz. vol. 137; p. 2214.
- Hood Rubber Company, Boston, Mass. Rubber boots, rubber shoes, rubber overshoes, and rubber tires for motor-vehicles. No. 68,271; Mar. 17; Gaz. vol. 133; p. 759.
- Hood Rubber Company, Boston, Mass. Rubber boots and shoes. No. 71,300; Nov. 17; Gaz. vol. 137; p. 728.
- Hooker & Son, O. V., St. Johnsbury, Vt. Spark-extinguishers. No. 70,288; Aug. 18; Gaz. vol. 135; p. 1578.
- Hoon, N. M., Mercer, Pa. Antiseptic cream for wounds and abrasions of the skin. No. 69,211; May 26; Gaz. vol. 134; p. 1046.
- Hoover, D. E., Baldwin, Kans. Medicine for domestic animals and fowls. No. 69,939; July 21; Gaz. vol. 135; p. 657.
- Hopkins, C. E., Philadelphia, Pa. Dental paste. No. 71,907; Dec. 22; Gaz. vol. 137; p. 1934.
- Hopkins, F. W., Providence, R. I. Remedy for scratches, wounds, and sores. No. 71,507; Dec. 1; Gaz. vol. 137; p. 1231.
- Hopper, S. J., Dallas, Tex. Magazine or periodical. No. 68,929; May 5; Gaz. vol. 134; p. 253.
- Hornby Company, New York, N. Y. Toffee, butter-scotch, and fruit tablets. No. 71,814; Dec. 15; Gaz. vol. 137; p. 1706.
- Hornecker Motor Mfg. Co., Geneseo, Ill. Motor-cycles. No. 70,659; Sept. 22; Gaz. vol. 136; p. 843.
- Horton Manufacturing Company, Fort Wayne, Ind. Washing-machines. No. 70,880; Oct. 13; Gaz. vol. 136; p. 1528.
- Hottenstein Company, H. K., Philadelphia, Pa. Tablets for washing and cleaning purposes. No. 70,034; July 28; Gaz. vol. 135; p. 889.
- Houseman & Thompson, Limited, Newcastle-upon-Tyne, England. Wax-wire used for making vent-holes in molds for castings. No. 68,256; Mar. 17; Gaz. vol. 133; p. 758.
- Houston, J., Wellston, Ohio. Certain medicine. No. 67,139; Jan. 21; Gaz. vol. 132; p. 673.
- Howarth, S., Florissant, Colo. Bait-hooks, gut leaders, and trout-flies. No. 69,344; June 9; Gaz. vol. 134; p. 1557.
- Howell & Bursk, Philadelphia, Pa. Canned fruits and canned vegetables, coffee, and catsup. No. 69,360; June 9; Gaz. vol. 134; p. 1558.
- Howell & Bursk, Philadelphia, Pa. Certain foods. No. 71,258; Nov. 10; Gaz. vol. 137; p. 471.
- Howell, F. A., New York, N. Y. Sheet metal. No. 67,995; Mar. 3; Gaz. vol. 133; p. 224.
- Howell and Ruth, Jacksonville, Fla. Salve. No. 69,945; July 21; Gaz. vol. 135; p. 657.
- Hoy, J. S., Albany, N. Y. Roofing-tin. No. 68,384; Apr. 7; Gaz. vol. 133; p. 1429.
- Hoy, J. S., Albany, N. Y. Tin roofing. Nos. 68,477-8; Apr. 14; Gaz. vol. 133; p. 1673.
- Hoyt & Co., A. H., Toledo, Ohio. Pile remedy. No. 67,910; Feb. 25; Gaz. vol. 132; p. 1832.
- Hoyt, F. M., Amesbury, Mass. Peanut-butter. No. 67,578; Feb. 11; Gaz. vol. 132; p. 1314.
- Hubbard, E., East Aurora, N. Y. Monthly publications. No. 67,477; Feb. 4; Gaz. vol. 132; p. 1067.
- Hubbard, E., East Aurora, N. Y. Monthly magazine. No. 69,910; July 14; Gaz. vol. 135; p. 447.
- Hubbs, C. F., New York, N. Y. Wrapping-paper. No. 69,998; July 21; Gaz. vol. 135; p. 659.
- Huegely Milling Company, Nashville, Ill. Wheat-flour. No. 71,625; Dec. 8; Gaz. vol. 137; p. 1477.
- Hughes, J. A., Boston, Mass. Leather boots and shoes. No. 69,152; May 19; Gaz. vol. 134; p. 772.
- Hulman & Co., Terre Haute, Ind. Certain foods. No. 67,922; Feb. 25; Gaz. vol. 132; p. 1833.
- Hulman & Co., Terre Haute, Ind. Sorghum and syrup. No. 67,996; Mar. 3; Gaz. vol. 133; p. 224.
- Hundley Dry Goods Co., St. Joseph, Mo. Overalls, jackets, and pants. No. 70,830; Oct. 6; Gaz. vol. 136; p. 1294.
- Hunt & Co., M. A., Cincinnati, Ohio; Chattanooga, Tenn.; Louisville, Ky., and Evansville, Ind. Spring-beds. No. 67,598; Feb. 11; Gaz. vol. 132; p. 1314.
- Hunt, B. N., Stratford, N. J. Powdered veterinary medicine used as a tonic for animals. No. 68,241; Mar. 17; Gaz. vol. 133; p. 758.
- Hunt, F. M., Bethesda, Ohio. Cigars, cheroots, and stogies. No. 71,231; Nov. 10; Gaz. vol. 137; p. 470.
- Hunt, J. A., London, England. Matches. Nos. 70,928-9; Oct. 20; Gaz. vol. 136; p. 1763.
- Hunt, J. A., London, England. Safety-matches. No. 71,471-2; Nov. 24; Gaz. vol. 137; p. 974.
- Hunter Brothers Milling Company, St. Louis, Mo., and Edwardsville, Ill. Wheat-flour. No. 67,997; Mar. 3; Gaz. vol. 133; p. 224.
- Hunter, C. M., London, England. Safety-match ignition-strips. No. 67,852; Feb. 25; Gaz. vol. 132; p. 1831.
- Hunter, C. A., Philadelphia, Pa. Cooked potato-chips. No. 70,333; Aug. 25; Gaz. vol. 135; p. 1797.
- Hurd & Co., G. B., New York, N. Y. Writing-paper and envelopes. No. 69,628; June 23; Gaz. vol. 134; p. 2025.
- Hurd & Co., G. B., New York, N. Y. Writing-paper and envelopes. Nos. 69,663-5; June 30; Gaz. vol. 134; p. 2239.
- Hurd & Co., G. B., New York, N. Y. Writing-paper and envelopes. Nos. 69,888-9; July 14; Gaz. vol. 135; p. 446.
- Hurd & Co., G. B., New York, N. Y. Writing-paper and envelopes. No. 70,019; July 21; Gaz. vol. 135; p. 659.
- Hurd & Co., G. B., New York, N. Y. Writing-paper and envelopes. No. 70,020; July 21; Gaz. vol. 135; p. 659.
- Hurd & Co., G. B., New York, N. Y. Writing-paper and envelopes. No. 70,079; July 28; Gaz. vol. 135; p. 890.
- Hurd & Co., G. B., New York, N. Y. Writing-paper and envelopes. Nos. 70,520-1; Sept. 8; Gaz. vol. 136; p. 434.
- Hurd & Co., G. B., New York, N. Y. Writing-paper and envelopes. No. 70,795; Oct. 6; Gaz. vol. 136; p. 1293.
- Hutter, W., New York, N. Y. Metal-polishes. No. 69,180; May 26; Gaz. vol. 134; p. 1045.
- Hyde Manufacturing Co., Southbridge, Mass. Certain cutlery and edge-tools. No. 67,784; Feb. 18; Gaz. vol. 132; p. 1581.
- Hygienic Company Ltd., London, England. Carbonic-acid preparations for baths. No. 70,242; Aug. 11; Gaz. vol. 135; p. 1358.
- Hygienic Fleeced Underwear Company, Philadelphia, Pa. Hosiery. No. 70,487; Sept. 8; Gaz. vol. 136; p. 433.
- Hyman, D. D., Philadelphia, Pa. Dental plates. No. 69,960; July 21; Gaz. vol. 135; p. 658.
- I. B. Kleinert Rubber Co., New York, N. Y. Dress-shields. No. 70,371; Aug. 25; Gaz. vol. 135; p. 1798.
- I. E. Palmer Co., Middletown, Conn. Hammocks. Nos. 68,861-2; May 5; Gaz. vol. 134; p. 251.
- I. E. Palmer Co., Middletown, Conn. Open-mesh fabrics for protection against insects. No. 70,104; July 28; Gaz. vol. 135; p. 891.
- Ideal Co., New York, N. Y. Mechanical devices for exercising the eye to improve the eyesight. Nos. 70,600-1; Sept. 15; Gaz. vol. 136; p. 654.
- Ideal Concrete, Limited, Montreal, Quebec, Canada. Mortar. No. 68,801; Apr. 28; Gaz. vol. 133; p. 2175.
- Igmandri Import Company, New York, N. Y. Laxative mineral waters. No. 67,673; Feb. 11; Gaz. vol. 132; p. 1316.
- Ihlenburg, K. L., Greenfield, Tenn. Non-intoxicating tonic made from malt and hops. No. 71,378; Nov. 24; Gaz. vol. 137; p. 971.
- Ikle, W., New York, N. Y. Coloring dye. No. 71,508; Dec. 1; Gaz. vol. 137; p. 1231.
- Ilbert & Company, London, England, and Shanghai, China. Cotton piece goods. No. 71,829; Dec. 15; Gaz. vol. 137; p. 1706.
- Illinois Canning Co., Camden, N. J., and Hoopeston, Ill. Canned vegetables. No. 67,049-53; Jan. 14; Gaz. vol. 132; p. 462.
- Illinois Canning Co., Camden, N. J., and Hoopeston, Ill. Canned vegetables. No. 67,314; Jan. 28; Gaz. vol. 132; p. 837.
- Illinois Canning Co., Camden, N. J., and Hoopeston, Ill. Canned corn. No. 67,315; Jan. 28; Gaz. vol. 132; p. 837.
- Illinois Malleable Iron Co., Chicago, Ill. Certain heating apparatus. No. 70,881; Oct. 13; Gaz. vol. 136; p. 1528.
- Illinois Selling Company, Hoopeston, Ill. Canned vegetables. No. 69,773; July 7; Gaz. vol. 135; p. 213.
- Illinois Selling Company, Camden, N. J., and Hoopeston, Ill. Canned vegetables. Nos. 69,786-7; July 7; Gaz. vol. 135; p. 213.
- Illinois Sewing Machine Co., Chicago, Ill. Sewing-machine needles. No. 69,181; May 26; Gaz. vol. 134; p. 1045.
- Illinois Sewing Mch. Co., Chicago, Ill. Sewing-machine needles. No. 68,766; Apr. 28; Gaz. vol. 133; p. 2174.
- Isley Doubleday & Co., New York, N. Y. Calcimine. No. 70,956; Oct. 20; Gaz. vol. 136; p. 1764.
- Isley & Held Co., New York, N. Y. Polishing-oil. No. 69,572; June 23; Gaz. vol. 134; p. 2023.

Alphabetical list of registrants of trade-marks—Continued.

- Imperial Car Cleaner Co., Newark, N. J. Detergent compound especially prepared for cleaning cars. No. 70,431; Sept. 1; Gaz. vol. 136; p. 221.
- Imperial Car Cleaner Co., Newark, N. J. Material for redyeing and renovating plush. No. 70,505; Sept. 8; Gaz. vol. 136; p. 433.
- Imperial Chocolates Co., Cambridge, Mass. Chocolates. Nos. 69,040-1; May 19; Gaz. vol. 134; p. 769.
- Imperial Dry Plate Company, Limited, London, England. Certain photographic plates, paper, and films. No. 67,140; Jan. 21; Gaz. vol. 132; p. 673.
- Importers Coffee Co. Ltd., New Orleans, La. Compound of coffee and chicory. No. 70,163; Aug. 4; Gaz. vol. 135; p. 1118.
- Independent Baking Powder Co., Jersey City, N. J. Baking-powder. No. 68,086; Mar. 10; Gaz. vol. 133; p. 307.
- Independent Starch Company, New York, N. Y. Starches for laundering purposes. No. 69,587; June 23; Gaz. vol. 134; p. 2024.
- India Refining Company, Philadelphia, Pa. Vegetable fat or oil compound. Nos. 69,454-5; June 16; Gaz. vol. 134; p. 1798.
- India Refining Company, Philadelphia, Pa. Certain vegetable fat or oil. No. 69,456; June 16; Gaz. vol. 134; p. 1798.
- Indiana Cotton Mills, Cannelton, Ind. Cotton sheetings. Nos. 67,743-4; Feb. 18; Gaz. vol. 132; p. 1580.
- Indiana Cotton Mills, Cannelton, Ind. Cotton sheetings. No. 71,051; Oct. 27; Gaz. vol. 136; p. 1996.
- Indiana Cotton Mills, Cannelton, Ind. Cotton sheetings. No. 71,301; Nov. 17; Gaz. vol. 137; p. 728.
- Indiana Ultramarine Company, South Bend, Ind. Washing-bluing. No. 71,359; Nov. 17; Gaz. vol. 137; p. 729.
- Indianapolis Bolster Spring Co., Indianapolis, Ind. Wagon and other vehicle springs. No. 71,379; Nov. 24; Gaz. vol. 137; p. 971.
- Indianapolis Composite Brick Company, Indianapolis, Ind. Bricks. No. 67,398; Feb. 4; Gaz. vol. 132; p. 1065.
- Indianapolis Warehouse Company, Indianapolis, Ind. Chewing-gum. No. 67,552; Feb. 11; Gaz. vol. 132; p. 1313.
- International Brewing Company, Buffalo, N. Y. Lager-beer, ale, and porter. No. 70,990; Oct. 20; Gaz. vol. 136; p. 1765.
- International Chemical Co., Los Angeles, Cal. Soap. No. 68,309; Mar. 24; Gaz. vol. 133; p. 987.
- International Chemical Mfg. & Import Co., New York, N. Y. Preparation of peroxid of hydrogen. No. 69,731; June 33; Gaz. vol. 134; p. 2241.
- International Corset Co., Aurora, Ill. Corsets. No. 70,134; Aug. 4; Gaz. vol. 135; p. 1117.
- International Corset Company, Aurora, Ill. Corset-stay. No. 67,296; Jan. 28; Gaz. vol. 132; p. 837.
- International Factories Co., Minneapolis, Minn. Washing-machines. No. 71,205; Nov. 10; Gaz. vol. 137; p. 469.
- International Fisheries Co., Tacoma, Wash. Salt, dried, smoked, and fresh fish. No. 67,553; Feb. 11; Gaz. vol. 132; p. 1313.
- International Fisheries Co., Tacoma, Wash. Smoked halibut. Nos. 67,554-5; Feb. 11; Gaz. vol. 132; p. 1313.
- International Harvester Company of America, Chicago, Ill. Grain-binding harvesters and front-cut grass-mowers. No. 71,944; Dec. 22; Gaz. vol. 137; p. 1935.
- International Manufacturing Co., New York, N. Y. Handkerchiefs. Nos. 70,882-6; Oct. 13; Gaz. vol. 136; p. 1528.
- International Manufacturing Co., New York, N. Y. Handkerchiefs. Nos. 71,965-7; Dec. 22; Gaz. vol. 137; p. 1935.
- International Multigraph Company, Cleveland, Ohio. Printing-machines and parts thereof. No. 69,813; July 7; Gaz. vol. 135; p. 214.
- International Multigraph Company, Cleveland, Ohio. Inks and inked ribbons. No. 69,926; July 21; Gaz. vol. 135; p. 657.
- International Patent Corporation, Pierre, S. D., and Jersey City, N. J. Lubricators and mechanical oilers. No. 67,869; Feb. 25; Gaz. vol. 132; p. 1831.
- International Ribbon Works, New York, N. Y. Ribbons and handkerchiefs. No. 69,514; June 16; Gaz. vol. 134; p. 1799.
- Interstate Packing Co., Winona, Minn. Lard. No. 67,184; Jan. 21; Gaz. vol. 132; p. 674.
- Interstate Remedy Co., Detroit, Mich. Remedies for nervous debility. No. 69,814; July 7; Gaz. vol. 135; p. 214.
- Iowa Biscuit Co., Burlington, Iowa. Biscuits, crackers, cakes, and bread. No. 68,233; Mar. 17; Gaz. vol. 133; p. 758.
- Iowa Hog & Cattle Powder Company, South Omaha, Nebr. Certain medicated cattle-dip. No. 68,584; Apr. 21; Gaz. vol. 133; p. 1929.
- Iowa Soap Company, Burlington, Iowa. Laundry soap. No. 70,105; July 28; Gaz. vol. 135; p. 891.
- Iowa Soap Company, Burlington, Iowa. Soap. No. 70,813; Oct. 6; Gaz. vol. 136; p. 1294.
- Iron-Ola Company, Chicago, Ill. Ironing-wax. No. 69,491; June 16; Gaz. vol. 134; p. 1799.
- Iron-ox Remedy Company, Detroit, Mich. Remedy for laxative and blood-purifying purposes. No. 67,357; Jan. 28; Gaz. vol. 132; p. 838.
- Ironite Company, Poplar Bluff, Mo. Carbonated or aerated water. No. 69,704; June 30; Gaz. vol. 134; p. 2240.
- Isaac Prouty & Co. (Incorporated), Boston, Mass. Leather boots and shoes. No. 67,497; Feb. 4; Gaz. vol. 132; p. 1068.
- Isaac Prouty & Co. Inc., Boston and Spencer, Mass. Leather boots and shoes. No. 70,351; Aug. 25; Gaz. vol. 135; p. 1797.
- Isaac Prouty & Co. Inc., Boston and Spencer, Mass. Leather boots and shoes. No. 70,378; Aug. 25; Gaz. vol. 135; p. 1798.
- Isaac, S., New York, N. Y. Ladies' belts for personal wear. No. 70,957; Oct. 20; Gaz. vol. 136; p. 1764.
- Isaacs Brothers, New York, N. Y. Certain clothing. No. 67,234; Jan. 28; Gaz. vol. 132; p. 835.
- Isaacs & Co., E., New York, N. Y. Waists and shirt-waist suits. No. 71,023; Oct. 27; Gaz. vol. 136; p. 1995.
- Isskovics, A. von, Monticello, N. Y. Certain chemicals. Nos. 68,297-8; Mar. 24; Gaz. vol. 133; p. 987.
- Ivins' Son, J. S., Philadelphia, Pa. Biscuits or crackers. No. 70,732; Sept. 29; Gaz. vol. 136; p. 1064.
- J. Faessler Manufacturing Co., Moberly, Mo. Certain tools. No. 68,996; May 12; Gaz. vol. 134; p. 510.
- J. Halden & Co. Ltd., Manchester, England. Circular slide-rules. No. 70,793; Oct. 6; Gaz. vol. 136; p. 1293.
- J. Marshall & Ball, Incorporated, Newark, N. J. Shoes made of leather. No. 69,537; June 16; Gaz. vol. 134; p. 1800.
- J. Milton Hagy Waste Works, Philadelphia, Pa. Waste. No. 71,880; Nov. 24; Gaz. vol. 137; p. 971.
- J. Richman & Brother, Pittsburg, Pa. Stogies. No. 71,240; Nov. 10; Gaz. vol. 137; p. 470.
- J. Spencer Turner Co., New York, N. Y. Cotton ducks, drillings, and sheetings. No. 69,153; May 19; Gaz. vol. 134; p. 772.
- J. Spencer Turner Co., New York, N. Y. Cotton ducks, drillings, and sheetings. No. 71,052; Oct. 27; Gaz. vol. 136; p. 1996.
- J. A. Folger & Company, San Francisco, Cal. Coffee. No. 68,138; Mar. 10; Gaz. vol. 133; p. 508.
- J. A. Lamy Manufacturing Company, Sedalia, Mo. Undershirts, drawers, hose, and stockings. No. 68,802; Apr. 28; Gaz. vol. 133; p. 2175.
- J. & A. Pavin de Lafarge, Viviers, France. Portland cement. No. 70,432; Sept. 1; Gaz. vol. 136; p. 221.
- J. B. King & Co., New York, N. Y. Plaster-board. No. 70,575; Sept. 15; Gaz. vol. 136; p. 654.
- J. B. Williams Company, Glastonbury, Conn. Shaving and other toilet soaps. No. 68,034; Mar. 3; Gaz. vol. 133; p. 225.
- J. C. Blair Company, Huntington, Pa. Certain paper, envelopes, and tablets. No. 70,316; Aug. 18; Gaz. vol. 135; p. 1579.
- J. C. Blair Company, Huntington, Pa. Spelling-blanks. No. 70,433; Sept. 1; Gaz. vol. 136; p. 221.
- J. C. Blair Company, Huntington, Pa. Paper, envelopes, and blank books. Nos. 71,053-67; Oct. 27; Gaz. vol. 136; p. 1996.
- J. C. Blair Company, Huntington, Pa. Paper, envelopes, tablets, and blank books. Nos. 71,090-103; Nov. 3; Gaz. vol. 137; pp. 223-4.
- J. C. Blair Company, Huntington, Pa. Paper, envelopes, tablets, and blank books. Nos. 71,105-25; Nov. 3; Gaz. vol. 137; pp. 223-4.
- J. C. Blair Company, Huntington, Pa. Paper, envelopes, tablets, and blank books. Nos. 71,132-55; Nov. 3; Gaz. vol. 137; p. 224.
- J. C. Grant Chemical Company, East St. Louis, Ill. Baking-powder. No. 68,908; May 5; Gaz. vol. 134; p. 252.
- J. C. Grant Chemical Company, East St. Louis, Ill. Bicarbonate of soda. No. 68,909; May 5; Gaz. vol. 134; p. 252.
- J. C. Hirschman Company, Indianapolis, Ind. Certain mattresses, pillows, lounges, and davenport. No. 68,108; Mar. 10; Gaz. vol. 133; p. 508.
- J. F. Johnson Milling Co., Bridgeton, N. J. Wheat-flour. No. 68,139; Mar. 10; Gaz. vol. 133; p. 508.
- J. F. Pyle & Son, San Jose, Cal. Canned fruits and canned vegetables. No. 70,535; Sept. 8; Gaz. vol. 136; p. 434.
- J. F. Pyle & Son, San Jose, Cal. Canned fruits and vegetables. No. 70,740; Sept. 29; Gaz. vol. 136; p. 1064.
- J. F. Zahm Tobacco Co., Toledo, Ohio. Smoking and chewing tobacco. No. 69,306; June 2; Gaz. vol. 134; p. 1294.
- J. & G. Cox Limited, Edinburgh, Scotland. Gelatin for use as food. No. 68,407; Apr. 7; Gaz. vol. 133; p. 1430.
- J. G. Haas Soap Co., St. Louis, Mo. Soap. No. 72,024; Dec. 29; Gaz. vol. 137; p. 2214.
- J. G. McDonald Candy Company, Salt Lake City, Utah. Chocolate creams. No. 72,045; Dec. 29; Gaz. vol. 137; p. 2215.
- J. G. McDonald Candy Company, Salt Lake City, Utah. Chocolates. No. 72,046; Dec. 29; Gaz. vol. 137; p. 2215.
- J. H. Allen & Company, St. Paul, Minn. Coffee and tea. No. 67,185; Jan. 21; Gaz. vol. 132; p. 674.
- J. H. Bunnell & Co., New York, N. Y. Telegraphic apparatus and electric batteries. No. 66,927; Jan. 7; Gaz. vol. 132; p. 226.
- J. H. Flickinger Co., San Jose, Cal. Canned fruits and vegetables and dried fruits. No. 69,276; June 2; Gaz. vol. 134; p. 1293.
- J. H. Flickinger Co., San Jose, Cal. Canned fruits and vegetables and dried fruits. No. 69,588; June 23; Gaz. vol. 134; p. 2024.
- J. H. Flickinger Co., San Jose, Cal. Canned fruits. No. 71,302; Nov. 17; Gaz. vol. 137; p. 728.
- J. H. Rice & Friedmann Co., Milwaukee, Wis. Woolen shirts, coats, pants, and vests. No. 69,538; June 16; Gaz. vol. 134; p. 1800.
- J. & J. Cash Limited, Coventry, England, and New York, N. Y. Ties for wear. No. 69,291; June 2; Gaz. vol. 134; p. 1294.
- J. & J. Cash Limited, Coventry, England, and New York, N. Y. Cambric frillings made of cotton. No. 69,648; June 23; Gaz. vol. 134; p. 2025.
- J. & J. Colman, Limited, London, England. Laundry blue. No. 70,845; Oct. 13; Gaz. vol. 136; p. 1527.
- J. J. Elliott and Sons Limited, Clerkenwell, England. Clocks and watches. No. 71,945; Dec. 22; Gaz. vol. 137; p. 1935.
- J. and J. W. Elsworth Company, Bayonne, N. J., and New York, N. Y. Open-shelled, and seed oysters. No. 70,691; Sept. 22; Gaz. vol. 136; p. 844.
- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Certain dried fruits. Nos. 67,269-71; Jan. 28; Gaz. vol. 132; p. 836.
- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Certain canned and dried fruits. Nos. 67,277-8; Jan. 28; Gaz. vol. 132; p. 836.
- J. K. Armsby Company, San Francisco, Cal., and Chicago, Ill. Certain foods. No. 67,274; Jan. 28; Gaz. vol. 132; p. 831.
- J. K. Armsby Company, San Francisco, Cal., and Chicago, Ill. Certain dried fruits. Nos. 67,275-6; Jan. 28; Gaz. vol. 132; p. 836.

Alphabetical list of registrants of trade-marks—Continued.

- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Certain canned and dried fruits. No. 67,478; Feb. 4; Gaz. vol. 132; p. 1067.
- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Dried fruits. Nos. 68,218-20; Mar. 17; Gaz. vol. 133; p. 757.
- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Dried fruits. Nos. 68,228-9; Mar. 17; Gaz. vol. 133; p. 757.
- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Dried fruits. No. 68,235; Mar. 17; Gaz. vol. 133; p. 758.
- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Dried fruits. Nos. 68,242-3; Mar. 17; Gaz. vol. 133; p. 758.
- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Certain dried fruits. Nos. 68,408-9; Apr. 7; Gaz. vol. 133; p. 1430.
- J. K. Armsby Company, Chicago, Ill., and San Francisco, Cal. Certain dried fruits. Nos. 68,665-6; Apr. 21; Gaz. vol. 133; p. 1931.
- J. L. Brandeis and Sons, Omaha, Nebr. Hosiery. No. 68,066; Mar. 3; Gaz. vol. 133; p. 225.
- J. L. & D. S. Riker, Incorporated, New York, N. Y. Certain chemicals. No. 69,815; July 7; Gaz. vol. 135; p. 214.
- J. L. Hopkins & Company, New York, N. Y. Insect-powder. No. 68,518; Apr. 14; Gaz. vol. 133; p. 1674.
- J. L. Hopkins & Company, New York, N. Y. Medicinal roots, barks, herbs, gums, leaves, and seeds. No. 68,910; May 5; Gaz. vol. 134; p. 252.
- J. P. Davies Company, Dayton, Ohio. Soap. No. 70,548; Sept. 15; Gaz. vol. 136; p. 653.
- J. T. Kenny & Co., St. Paul, Minn. Soap chips. No. 71,712; Dec. 15; Gaz. vol. 137; p. 1703.
- J. W. Biles Company, Cincinnati, Ohio. Blended and mixed dairy food. No. 70,050; July 28; Gaz. vol. 135; p. 889.
- J. W. Butler Paper Co., Chicago, Ill. Writing-paper. Nos. 68,667-70; Apr. 21; Gaz. vol. 133; p. 1931.
- J. W. Butler Paper Co., Chicago, Ill. Writing-paper. No. 68,726; Apr. 28; Gaz. vol. 133; p. 2173.
- J. W. Butler Paper Co., Chicago, Ill. Writing-paper. Nos. 68,980-1; May 12; Gaz. vol. 134; p. 510.
- J. W. Colton Company, Springfield, Mass. Flavoring extracts. No. 71,815; Dec. 15; Gaz. vol. 137; p. 1706.
- J. W. Hunnewell & Co., Inc., Boston, Mass. Refined petroleum for illuminating purposes. No. 69,333; June 9; Gaz. vol. 134; p. 1557.
- J. W. James Company, Wheeling, W. Va. Certain remedy. Nos. 67,414-15; Feb. 4; Gaz. vol. 132; p. 1065.
- J. W. James Company, Wheeling, W. Va. Certain medicinal powders. No. 67,590; Feb. 11; Gaz. vol. 132; p. 1314.
- J. W. Roberts, Limited, Leeds, England. Prepared asbestos. No. 70,939; Oct. 20; Gaz. vol. 136; p. 1763.
- Jackman, S. E., New York, N. Y. Pleasure-railways and rolling-stock for the same. Nos. 69,609-11; June 23; Gaz. vol. 134; p. 2024.
- Jackson, A., St. Paul, Minn. Incandescent gas-mantles. No. 69,666; June 30; Gaz. vol. 134; p. 2239.
- Jackson B. F., Jersey City, N. J. Candy. No. 71,067; Oct. 27; Gaz. vol. 136; p. 1996.
- Jackson Mills, Iva, S. C. Sheetings. No. 70,887; Oct. 13; Gaz. vol. 136; p. 1528.
- Jacob Dold Packing Company, Buffalo, N. Y. Fresh meats. No. 67,161; Jan. 21; Gaz. vol. 132; p. 674.
- Jacob Dold Packing Company, Buffalo, N. Y. Cured meats. No. 69,064; May 19; Gaz. vol. 134; p. 770.
- Jacob Dold & Sons, New York, N. Y. Pianos and pianos with interior players. No. 70,137; Aug. 4; Gaz. vol. 135; p. 1117.
- Jacob Duenhoefer Co., Milwaukee, Wis. Whisky. No. 67,636; Feb. 11; Gaz. vol. 132; p. 1315.
- Jacob J. Vollrath Mfg. Co., Sheboygan, Wis. Enameled cast and sheet steel hollow ware. No. 68,098; Mar. 10; Gaz. vol. 133; p. 50.
- Jacob J. Vollrath Mfg. Co., Sheboygan, Wis. Enameled metal ware. No. 70,317; Aug. 18; Gaz. vol. 135; p. 1579.
- Jacob, P., St. Etienne, France. Remedy for coughs and colds. No. 68,348; Mar. 31; Gaz. vol. 133; p. 1184.
- Jacob & Sons, H., New York, N. Y. Textile leggings and overgaiters. No. 67,513; Feb. 4; Gaz. vol. 132; p. 1068.
- Jacob & Sons, H., New York, N. Y. Leather shoes. No. 68,338; Mar. 31; Gaz. vol. 133; p. 1183.
- Jacobs, A. L., Alliance, Ohio. Waterproof cloth. No. 68,687; Apr. 21; Gaz. vol. 133; p. 1932.
- Jacques Wolf and Co., Passaic, N. J. Certain oily preparation. No. 70,991; Oct. 20; Gaz. vol. 136; p. 1765.
- Jahn, W. K., Chicago, Ill. Air-pump atomizers for spraying liquid air-disinfectants. No. 70,930; Oct. 20; Gaz. vol. 136; p. 1763.
- Jamaica Tobacco Company, New York, N. Y., and Kingston, Jamaica. Cigars. No. 71,232; Nov. 10; Gaz. vol. 137; p. 470.
- James Buchanan & Company Limited, London, England. Whisky. No. 68,310; Mar. 24; Gaz. vol. 133; p. 987.
- James, C. A., Stamford Hill, London, England. Certain plumbing supplies. No. 68,982; May 12; Gaz. vol. 134; p. 510.
- James Chadwick & Brothers Limited, Bolton, England. Sewing-cotton on spools or reels. No. 71,926; Dec. 22; Gaz. vol. 137; p. 1934.
- James H. Dunham & Co., New York, N. Y. Petticoats and underskirts. No. 70,289; Aug. 18; Gaz. vol. 135; p. 1578.
- James Pyle & Sons, Edgewater, N. J. Lye, potash, and caustic soda. No. 69,515; June 16; Gaz. vol. 134; p. 1799.
- James Pyle & Sons, Edgewater, N. J. Soaps of all kinds and detergent washing-powder. No. 69,573; June 23; Gaz. vol. 134; p. 2023.
- James Pyle & Sons, Edgewater, N. J. Powder for softening water and for cleansing. No. 70,940; Oct. 20; Gaz. vol. 136; p. 1763.
- James Pyle & Sons, Edgewater, N. J. Soap of all kinds and washing-powder. No. 71,664; Dec. 8; Gaz. vol. 137; p. 1478.
- James Pyle & Sons, Edgewater, N. J. Washing-powder. Nos. 71,665-6; Dec. 8; Gaz. vol. 137; p. 1478.
- James R. Crompton & Brothers Limited, Elton Paper Mills, near Bury, England. Certain paper. No. 67,054; Jan. 14; Gaz. vol. 132; p. 462.
- James R. Keiser, Incorporated, New York, N. Y. Certain clothing. No. 70,536; Sept. 8; Gaz. vol. 136; p. 434.
- James Van Dyk Company, New York, N. Y. Tea. No. 71,781; Dec. 15; Gaz. vol. 137; p. 1705.
- Jamieson, P., Aberdeen, Scotland. Preparations for polishing harness and leather. Nos. 71,206-8; Nov. 10; Gaz. vol. 137; p. 470.
- Janesville Barb Wire Company, Janesville, Wis. Wire fence. No. 67,998; Mar. 3; Gaz. vol. 133; p. 224.
- Jap-A-Jap Company. (See Dale, J. T., assignor.)
- Jas. S. Mason Co., Philadelphia, Pa. Shoe, boot, and stove blackings and polishes. Nos. 69,426-7; June 16; Gaz. vol. 134; p. 1797.
- Jesse V. Palmer Co., Greenwich, N. Y. Men's, women's, and children's drawers and undershirts. No. 71,854; Dec. 15; Gaz. vol. 137; p. 1707.
- Jeffery-Dewitt Company, Newark, N. J. Spark-plugs. No. 67,013; Jan. 14; Gaz. vol. 132; p. 461.
- Jeffery's Patent Marine Glue Works, London, England. Marine glue and marine-glue pitch. No. 69,042; May 19; Gaz. vol. 134; p. 769.
- Jenkinson & Co., W. A., Jacksonville, Ill. Coffee. No. 67,999; Mar. 3; Gaz. vol. 133; p. 224.
- Jewelers Circular Pub. Co., New York, N. Y. Periodical devoted to optical interests. No. 67,435; Feb. 4; Gaz. vol. 132; p. 1066.
- Jno. T. Barbee & Co., Louisville, Ky. Straight whisky. No. 71,336; Nov. 17; Gaz. vol. 137; p. 729.
- Jno. T. Barbee & Co., Louisville, Ky. Straight whisky and blended whisky. No. 71,617; Dec. 8; Gaz. vol. 137; p. 1477.
- Jno. T. Barbee & Co., Louisville, Ky. Blended whisky. No. 72,067; Dec. 29; Gaz. vol. 137; p. 2215.
- Johann Froescheis Lyra-Bleistiftfabrik, Nuremberg, Germany. Lead-pencils and oil-chalk crayons. No. 68,067; Mar. 3; Gaz. vol. 133; p. 226.
- John Barth Company, Milwaukee, Wis. Bitters. No. 67,617; Feb. 11; Gaz. vol. 132; p. 1315.
- John Boyle & Co. Inc., New York, N. Y. Cotton duck. No. 70,412; Aug. 25; Gaz. vol. 135; p. 1799.
- John C. Weller Co. Inc., Louisville, Ky. Straight and blended whiskies. No. 70,488; Sept. 8; Gaz. vol. 136; p. 433.
- John Douglas Co., Cincinnati, Ohio. Vitreous China water-closet bowls and lavatories. No. 70,009; July 21; Gaz. vol. 135; p. 659.
- John F. Brooks Co., Needham and Needham Heights, Mass. Certain knit goods. Nos. 70,463-4; Sept. 1; Gaz. vol. 136; p. 222.
- John Hoffer Flouring Mill Company, Harrisburg, Pa. Wheat-flour. No. 71,024; Oct. 27; Gaz. vol. 136; p. 1995.
- John Hoffmann & Sons Co., Milwaukee, Wis. Canned fruits and vegetables. Nos. 67,316-17; Jan. 28; Gaz. vol. 132; p. 837.
- John Jacques & Son Limited, London, England. Card games. No. 68,997; May 12; Gaz. vol. 134; p. 510.
- John L. Roper Lumber Company, Norfolk, Va. Lumber. No. 70,177; Aug. 11; Gaz. vol. 135; p. 1357.
- John Robertson & Sons Limited. (See Hill, A., assignor.)
- John T. Mauran Manufacturing Company, Providence, R. I. Articles of jewelry for personal wear. No. 70,831; Oct. 6; Gaz. vol. 136; p. 1294.
- John V. Farwell Company, Chicago, Ill. Certain textiles. No. 69,319; June 2; Gaz. vol. 134; p. 1295.
- John V. Farwell Company, Chicago, Ill. Knitted and netted underwear and hosiery. No. 69,369; June 9; Gaz. vol. 134; p. 1558.
- John V. Farwell Company, Chicago, Ill. Ribbons. No. 69,517; June 16; Gaz. vol. 134; p. 1799.
- John V. Farwell Company, Chicago, Ill. Ribbons. No. 69,733; June 30; Gaz. vol. 134; p. 2241.
- John V. Farwell Company, Chicago, Ill. Cotton thread and worsted and woolen yarn. No. 70,465; Sept. 1; Gaz. vol. 136; p. 222.
- John Wildt Evaporated Milk Co., Highland, Ill. Milk, evaporated milk, condensed milk, malted milk, and aerated milk. Nos. 70,413-14; Aug. 25; Gaz. vol. 135; p. 1799.
- John Wyeth and Brother, Incorporated, Philadelphia, Pa. Certain medicinal preparations. Nos. 68,109-10; Mar. 10; Gaz. vol. 133; p. 508.
- Johns-Pratt Company, Hartford, Conn. Certain electrical supplies. No. 70,992; Oct. 20; Gaz. vol. 136; p. 1765.
- Johns-Pratt Company, Hartford, Conn. Certain electrical apparatus and supplies. No. 71,259; Nov. 10; Gaz. vol. 137; p. 471.
- Johnson, C. W., Natick and Boston, Mass. Shoes manufactured of leather. No. 71,593; Dec. 1; Gaz. vol. 137; p. 1233.
- Johnson & Co., O., Providence, R. I. Certain painters' materials. No. 69,345; June 9; Gaz. vol. 134; p. 1537.
- Johnson, G. H., Worcester, Mass. Preparations for blacking or dressing iron surfaces. No. 71,381; Nov. 24; Gaz. vol. 137; p. 971.
- Johnson, Hayward & Piper, New York, N. Y. Hand-bags and purses. No. 70,106; July 28; Gaz. vol. 135; p. 891.
- Johnson, J. B., Kansas City, Mo. Hair-tonic. No. 67,025; Jan. 14; Gaz. vol. 132; p. 461.
- Johnson, M. E., trustee, Fitchburg, Mass. Rifles, shotguns, pistols, and revolvers. Nos. 68,385-9; Apr. 7; Gaz. vol. 133; p. 1429.
- Johnson, M. E., trustee, Fitchburg, Mass. Rifles, shotguns, pistols, and revolvers. No. 69,065; May 19; Gaz. vol. 134; p. 770.
- Johnston & Sons, N., Bordeaux, France. Olive-oil. No. 67,186; Jan. 21; Gaz. vol. 132; p. 674.
- Johns. Conradsen A/S, Stavanger, Norway. Canned, smoked, pickled, and preserved fish. No. 69,066; May 19; Gaz. vol. 134; p. 770.
- Jonas & Colver, Limited, Sheffield, England. Certain machines and parts thereof. No. 67,007; Jan. 14; Gaz. vol. 132; p. 461.
- Jonas & Colver, Limited, Sheffield, England. Steel and iron. No. 67,115; Jan. 14; Gaz. vol. 132; p. 464.
- Jonas & Colver, Limited, Sheffield, England. Steel. No. 68,479; Apr. 14; Gaz. vol. 133; p. 1073.
- Jonas & Colver, Limited, Sheffield, England. Certain machine-tools. No. 68,637; Apr. 21; Gaz. vol. 133; p. 1930.

Alphabetical list of registrants of trade-marks—Continued.

- Jones, A. P., Minneapolis, Minn. Remedy for certain diseases. No. 67,336; Jan. 28; Gaz. vol. 132; p. 838.
 Jones Dry Goods Co., Kansas City, Mo. Cigars. No. 70,397; Aug. 25; Gaz. vol. 135; p. 1799.
 Jones Dry Goods Co., Kansas City, Mo. Sewing-machines. No. 71,908; Dec. 22; Gaz. vol. 137; p. 1934.
 Jones, O. D., Chicago, Ill. Chewing-gum. No. 71,640; Dec. 8; Gaz. vol. 137; p. 1478.
 Jones-Paddock Co., San Francisco, Cal. Tea. No. 68,638; Apr. 21; Gaz. vol. 133; p. 1930.
 Jones-Paddock Co., San Francisco, Cal. Ground spices and flavoring extracts. No. 71,641; Dec. 8; Gaz. vol. 137; p. 1478.
 Jones, W. J., Cleveland, Ohio. Sausage, lard, dried beef, ham, and bacon. No. 68,649; Apr. 21; Gaz. vol. 133; p. 1930.
 Jönköpings och Vulcanus Tändsticksfabriksaktiebolag, Jönköping, Sweden. Matches. No. 67,235; Jan. 28; Gaz. vol. 132; p. 835.
 Jönköpings och Vulcanus Tändsticksfabriksaktiebolag, Jönköping, Sweden. Matches. No. 68,121; Mar. 10; Gaz. vol. 133; p. 508.
 Jordan, A. I., New York, N. Y. Certain pads and belts. No. 71,335; Nov. 17; Gaz. vol. 137; p. 729.
 Joseph Banigan Rubber Co., Providence, R. I. Rubber boots and shoes. Nos. 67,463-4; Feb. 4; Gaz. vol. 132; p. 1067.
 Joseph Campbell Company, Camden, N. J. Pork and beans. No. 69,788; July 7; Gaz. vol. 135; p. 213.
 Joseph F. McCoy Co., New York, N. Y. Certain cutlery and edge-tools. No. 67,255; Jan. 28; Gaz. vol. 132; p. 835.
 Joseph F. McCoy Co., New York, N. Y. Certain machinery and parts thereof. No. 67,579; Feb. 11; Gaz. vol. 132; p. 1314.
 Joseph F. McCoy Co., New York, N. Y. Wood rules. No. 68,049; Mar. 3; Gaz. vol. 133; p. 225.
 Joseph & Feiss Co., Cleveland, Ohio. Certain clothing. No. 67,717; Feb. 18; Gaz. vol. 132; p. 1579.
 Joseph Lay Company, Ridgeville, Ind. Brooms and brushes. No. 69,370; June 9; Gaz. vol. 134; p. 1558.
 Joseph Lay Company, Ridgeville, Ind. Brooms and brushes. No. 69,552; June 23; Gaz. vol. 134; p. 2023.
 Joseph N. Eisendrath Company, Chicago, Ill. Gloves, mittens, and gauntlets made of leather. No. 67,514; Feb. 4; Gaz. vol. 132; p. 1068.
 Joseph Nathan & Co., Limited, London, England. Milk food for infants and invalids. No. 71,816; Dec. 15; Gaz. vol. 137; p. 1706.
 Joseph Pickering and Sons, Limited, Sheffield, England. Preparation for whitening all articles of buff or buckskin leather. No. 70,814; Oct. 6; Gaz. vol. 136; p. 1294.
 Joseph S. De Loste Manufacturing Chemical Co., Madison, Ind. Headache-powders and liver-pills. No. 69,816; July 7; Gaz. vol. 135; p. 214.
 Joseph Williams Company, Sharpsburg, Pa. Certain chemicals. No. 71,713; Dec. 15; Gaz. vol. 137; p. 1703.
 Juenger, W. H., Los Angeles, Cal. Remedy for gonorrhea, gleet, and leucorrhea. No. 68,616; Apr. 21; Gaz. vol. 133; p. 930.
 Julius Kayser & Co., New York, N. Y. Knit silk underwear. No. 69,817; July 7; Gaz. vol. 135; p. 214.
 Julius Kayser & Co., New York, N. Y. Knit silk gloves and knit cotton gloves. No. 69,911; July 14; Gaz. vol. 135; p. 447.
 Julius Kayser & Co., New York, N. Y. Knit silk underwear. No. 70,107; July 28; Gaz. vol. 135; p. 891.
 Julius Kayser & Co., New York, N. Y. Knit silk and cotton gloves. No. 70,184; Aug. 11; Gaz. vol. 135; p. 1357.
 Jung, S., Milwaukee, Wis. Grape-brandy and rock and rye. No. 70,290; Aug. 18; Gaz. vol. 135; p. 1578.
 Kafir Plume Company, Chicago, Ill. Ostrich-feathers and goods made therefrom. No. 68,423; Apr. 7; Gaz. vol. 133; p. 1430.
 Kahn-Beck Co., Los Angeles, Cal. Certain foods. No. 71,332; Nov. 24; Gaz. vol. 137; p. 971.
 Kahn Manufacturing Company, Mobile, Ala. Overall. No. 69,371; June 9; Gaz. vol. 134; p. 1558.
 Kamenstein, M., New York, N. Y. Sheet-metal umbrella and cane holders. No. 71,338; Nov. 17; Gaz. vol. 137; p. 729.
 Kämpfe Bros., New York, N. Y. Certain manicure articles. No. 71,594; Dec. 1; Gaz. vol. 137; p. 1233.
 Kane and Bell, Chicago, Ill. Liniments for rheumatism. No. 69,518; June 16; Gaz. vol. 134; p. 1799.
 Kansas Milling Company, Wichita, Kans. Wheat-flour. No. 70,051; July 28; Gaz. vol. 135; p. 889.
 Kaolo Manufacturing Company, Ontario, Oreg. Glass and metal polish. No. 69,789; July 7; Gaz. vol. 135; p. 213.
 Kapnek, S., Philadelphia, Pa. Blend and rye whiskies. No. 70,210; Aug. 11; Gaz. vol. 135; p. 1358.
 Karl, A., Newark, N. J. Certain powder. No. 69,927; July 21; Gaz. vol. 135; p. 657.
 Kay Graham Co., Portsmouth, Ohio. Strings for musical instruments. No. 68,050; Mar. 3; Gaz. vol. 133; p. 225.
 Keaysan, H. A., Cassel, Germany. Syringes and surgical irrigators. No. 68,169; Mar. 10; Gaz. vol. 133; p. 509.
 Kearns, A. A., Honolulu, Hawaii. Preserved fruits. No. 71,383; Nov. 24; Gaz. vol. 137; p. 971.
 Keck, J. A. (See Washburn & Wheeler Mfg. Co., assignor.)
 Kee Fox Manufacturing Company, Rochester, N. Y. Type-writer ribbons and carbon-paper. No. 69,307; June 2; Gaz. vol. 134; p. 1294.
 Keeler, C. E., Atlantic City, N. J. Cold-cream. No. 67,911; Feb. 25; Gaz. vol. 132; p. 1832.
 Kees Mfg. Co., F. D., Beatrice, Nebr. Ankle-bracing skate attachments. No. 68,170; Mar. 10; Gaz. vol. 133; p. 509.
 Keiffer & Co., I., New Orleans, La. Leather boots and shoes. No. 68,272; Mar. 17; Gaz. vol. 133; p. 759.
 Keith Brothers & Co., Chicago, Ill. Hats and caps of cloth, wool, felt, fur, and straw. No. 71,445; Nov. 24; Gaz. vol. 137; p. 973.
 Keith, C. H., Cleveland, Ohio. Polishing chamois-skin. No. 68,596; Apr. 21; Gaz. vol. 133; p. 1929.
 Kelley-Clarke Co., Seattle, Wash. Canned salmon. Nos. 68,140-9; Mar. 10; Gaz. vol. 133; p. 508-9.
 Kelley-Clarke Co., Seattle, Wash. Canned salmon. No. 70,626; Sept. 15; Gaz. vol. 136; p. 655.
 Kelley Remedy Company, Fairmont, W. Va. Remedy for gall-stones. No. 68,244; Mar. 17; Gaz. vol. 133; p. 758.
 Kellogg-Mackay-Cameron Co., Chicago, Ill. Certain water heaters and tanks. No. 67,479; Feb. 4; Gaz. vol. 132; p. 1067.
 Kelly Co., Cleveland, Ohio. Peanuts and peanut-butter. No. 70,760; Sept. 29; Gaz. vol. 136; p. 1064.
 Kelly & Co., J. W. Chattanooga, Tenn. Whisky. No. 67,833; Feb. 18; Gaz. vol. 132; p. 1582.
 Kelly & Co., T., Boston, Mass. Woolen bed and wrapper blankets. No. 70,522; Sept. 8; Gaz. vol. 136; p. 434.
 Kelly Milling Company, Wm., Hutchinson, Kans. Wheat-flour. No. 69,629; June 23; Gaz. vol. 134; p. 2025.
 Kelsey Heating Company, Syracuse, N. Y. Furnaces. No. 69,212; May 26; Gaz. vol. 134; p. 1046.
 Kemper Mill & Elevator Co., Kansas City, Mo. Cornmeal and corn-grits. No. 70,627; Sept. 15; Gaz. vol. 136; p. 655.
 Kendall B. J., Geneva, Ill. Remedies for certain diseases. No. 71,642; Dec. 8; Gaz. vol. 137; p. 1478.
 Kendrick & Davis, Lebanon, N. H. Watchmakers' tools. No. 70,993; Oct. 20; Gaz. vol. 136; p. 1765.
 Kenneweg Company, Cumberland, Md. Condensed milk. No. 68,998; May 12; Gaz. vol. 134; p. 510.
 Kentucky Tobacco Product Co., Louisville, Ky. Tobacco-stems. No. 69,484; June 16; Gaz. vol. 134; p. 1798.
 Keron, F. H., Central Falls, R. I. Non-alcoholic carbonated tonic beverage. No. 70,731; Sept. 29; Gaz. vol. 136; p. 1064.
 Ketcheson, G. T., Portland, Oreg. Drug journal. No. 67,834; Feb. 18; Gaz. vol. 132; p. 1582.
 Keuffel & Esser Company, Hoboken, N. J. Draftsmen's instruments. No. 68,650; Apr. 21; Gaz. vol. 133; p. 1931.
 Keuffel & Esser Company, Hoboken, N. J. and New York, N. Y. Slide-rules. No. 68,651; Apr. 21; Gaz. vol. 133; p. 1931.
 Keuffel & Esser Company, Hoboken, N. J. Scales and drafting instruments. No. 68,652; Apr. 21; Gaz. vol. 133; p. 1931.
 Keuffel & Esser Company, Hoboken, N. J. Certain measuring and scientific instruments. No. 68,653; Apr. 21; Gaz. vol. 133; p. 1931.
 Keuffel & Esser Company, Hoboken, N. J. Certain paper and bristol-board. No. 68,671; Apr. 21; Gaz. vol. 133; p. 1931.
 Keuffel & Esser Company, Hoboken, N. J. Ledger-paper, bond-paper, and drawing-paper. No. 68,727; Apr. 28; Gaz. vol. 133; p. 2173.
 Keystone Grape Company, North East, Pa. Baskets and packages of grapes. No. 70,958; Oct. 20; Gaz. vol. 136; p. 1764.
 Keystone Mfg. Co., Buffalo, N. Y. Hand-ratchets for operating drills, taps, and wrenches. No. 68,009; Mar. 3; Gaz. vol. 133; p. 224.
 Keystone Shank Co., Brockton, Mass. Metal shanks for boots and shoes. No. 71,233; Nov. 10; Gaz. vol. 137; p. 470.
 Khedivial Co., New York, N. Y. Granulated smoking-tobacco. No. 70,702; Sept. 29; Gaz. vol. 136; p. 1063.
 Khuner & Sohn, E., Vienna, Austria-Hungary. Certain vegetable fats. Nos. 69,589-90; June 23; Gaz. vol. 134; p. 2024.
 Kidd, E. G., Richmond, Va. Pickles. No. 70,379; Aug. 25; Gaz. vol. 135; p. 1798.
 Kilburn Mill, New Bedford, Mass. Combed yarn. No. 70,372; Aug. 25; Gaz. vol. 135; p. 1798.
 Kilmarnock Textile Manufacturing Co., Chicago, Ill. Woven rugs. No. 67,297; Jan. 28; Gaz. vol. 132; p. 837.
 Kimball's Dairy Farmer Company, Waterloo, Iowa. Magazine. No. 69,912; July 14; Gaz. vol. 135; p. 447.
 King Bros. Shoe Co., Bristol, Tenn. Leather shoes. No. 69,154; May 19; Gaz. vol. 134; p. 772.
 King, S., Pomeroy, Wash. Chow-chow. No. 68,230; Mar. 17; Gaz. vol. 133; p. 757.
 Kingan and Company, Limited, Belfast, Ireland; Indianapolis, Ind.; Baltimore, Md., and Richmond, Va. Fresh cured, cooked, canned, and salted meats, lard, and sausage. No. 66,928; Jan. 7; Gaz. vol. 132; p. 226.
 Kingan and Company, Limited, Belfast, Ireland; Indianapolis, Ind.; Baltimore, Md., and Richmond, Va. Cured meats and sausage. No. 67,726; Feb. 18; Gaz. vol. 132; p. 1580.
 Kingan and Company, Limited, Belfast, Ireland; Indianapolis, Ind.; Baltimore, Md.; Philadelphia, Pa., and Richmond, Va. Cured, salted, and canned meats, and sausage. No. 69,077; May 19; Gaz. vol. 134; p. 770.
 Kingan and Company, Limited, Belfast, Ireland; Indianapolis, Ind.; Baltimore, Md., and Richmond, Va. Bacon. No. 71,667; Dec. 8; Gaz. vol. 137; p. 1478.
 Kingsbury, H. P. D., Redlands, Cal. Certain foods and flavoring extracts. No. 68,672; Apr. 21; Gaz. vol. 133; p. 1931.
 Kingsbury, H. P. D., Redlands, Cal. Jams, marmalades, jellies, flavoring extracts, and preserved fruits. No. 69,227; May 26; Gaz. vol. 134; p. 1046.
 Kinney, R. P., Huntington, N. Y. Tire-repair plugs. No. 68,831; Apr. 28; Gaz. vol. 133; p. 2176.
 Kiowa Company, Chicago, Ill. Straight Bourbon whisky. No. 71,165; Nov. 3; Gaz. vol. 137; p. 225.
 Kirk, A. E., Hoopeston, Ill. Composition roofing and siding. No. 67,618; Feb. 11; Gaz. vol. 132; p. 1315.
 Kirk, A. E., Hoopeston, Ill. Paint. No. 67,888; Feb. 25; Gaz. vol. 132; p. 1832.
 Klaine, F. A., Cincinnati, Ohio. Heating and cook stoves. No. 71,869; Dec. 15; Gaz. vol. 137; p. 1707.
 Klew & Co. Inc., New Haven, Conn. Casting metal. No. 69,182; May 26; Gaz. vol. 134; p. 1045.
 Klew & Co. Inc., New Haven, Conn. Tooth-paste. No. 69,946; July 21; Gaz. vol. 135; p. 657.
 Kline, J. N., Williamsport, Pa. Trout-flies. No. 71,234; Nov. 10; Gaz. vol. 137; p. 470.

Alphabetical list of registrants of trade-marks—Continued.

- Kneeder & Company, Philadelphia, Pa. Horse-blankets. No. 70,745; Sept. 29; Gaz. vol. 136; p. 1064.
- Knoll & Co., Ludwigshafen-on-the-Rhine, Germany. Purgatives. No. 70,640; Sept. 22; Gaz. vol. 136; p. 843.
- Knowlton Danderine Co., Chicago, Ill. Scalp-tonic. No. 67,416; Feb. 4; Gaz. vol. 132; p. 1065.
- Knowlton Danderine Co., Chicago, Ill. Certain plastic preparation. No. 69,135; May 19; Gaz. vol. 134; p. 771.
- Knowlton Danderine Co., Chicago, Ill. Liquid preparation for use as a scalp-tonic. No. 71,981; Dec. 22; Gaz. vol. 137; p. 1936.
- Knudsen von Kothén Mfg. Co., Bolton, Ill. Valves. No. 69,442; June 16; Gaz. vol. 134; p. 1797.
- Köbányai Polgári Serfőző Részvénytársaság, Budapest, Austria-Hungary. Beer. Nos. 69,630-1; June 23; Gaz. vol. 134; p. 2025.
- Koehler & Hinrichs, St. Paul, Minn. Stomach-bitters. No. 69,519; June 16; Gaz. vol. 134; p. 1799.
- Kohler & Campbell, New York, N. Y. Pianos. No. 69,228; May 26; Gaz. vol. 134; p. 1040.
- Kohosoff, B., New York, N. Y. Salve for external application to the skin. No. 69,748; June 30; Gaz. vol. 134; p. 2241.
- Koko Maricopas Company Limited, London, England. Hair-wash. No. 70,258; Aug. 18; Gaz. vol. 135; p. 1577.
- König, H. C., Steinhagen, Germany. Corn-brandy. No. 69,705; June 30; Gaz. vol. 134; p. 2240.
- Königliche Regierung Abteilung für direkte Steuern Domänen und Forsten in Wiesbaden, Wiesbaden, Germany. Natural mineral waters. No. 70,164; Aug. 4; Gaz. vol. 135; p. 1118.
- Koppel, A., New Orleans, La. Tea. No. 72,025; Dec. 29; Gaz. vol. 137; p. 2214.
- Kops Bros., New York, N. Y. Corsets. Nos. 68,454-5; Apr. 7; Gaz. vol. 133; p. 1431.
- Kora Company, New York, N. Y. Dress-shields and hose-supporters. No. 66,967; Jan. 7; Gaz. vol. 132; p. 227.
- Korony, W. G., New York, N. Y. Hair-remover. No. 71,235; Nov. 10; Gaz. vol. 137; p. 470.
- Koscherak Bros., New York, N. Y. Glass siphons. Nos. 68,390-1; Apr. 7; Gaz. vol. 133; p. 1429.
- Kraemer, W. A., Los Angeles, Cal. Certain clothing. No. 67,936; Feb. 25; Gaz. vol. 132; p. 1833.
- Kramer Co., E. M., Paxton, Ill. Harrows. No. 70,052; July 28; Gaz. vol. 135; p. 889.
- Krause & Auerbach, London, England. Liquid metal-polish in the form of a detergent. No. 67,529; Feb. 4; Gaz. vol. 132; p. 1068.
- Kraut & Finver Bros., New York, N. Y. Umbrellas and parasols. No. 67,298; Jan. 28; Gaz. vol. 132; p. 837.
- Krebs, A., Mannheim, Germany. Leather and shoe polish. No. 70,178; Aug. 11; Gaz. vol. 135; p. 1357.
- Krell Auto-Grand Piano Co. of America, Connersville, Ind. Pianos. No. 70,832; Oct. 6; Gaz. vol. 136; p. 1294.
- Krems, B. D., Chicago, Ill. Cathartic. No. 72,026; Dec. 29; Gaz. vol. 137; p. 2214.
- Kretol Company, Washington, D. C. Certain chemicals. No. 71,360; Nov. 17; Gaz. vol. 137; p. 729.
- Kridel, Sons & Co., J., New York, N. Y. Silk piece goods. No. 68,873; May 5; Gaz. vol. 134; p. 251.
- Frippendorf-O'Neal Co., Cincinnati, Ohio. Leather shoes. No. 69,155; May 19; Gaz. vol. 134; p. 772.
- Kron, R., Goltzern, near Gimmern, Germany. Certain cords or twisted strips. No. 69,308; June 2; Gaz. vol. 134; p. 1294.
- Krutttschnitt, G. A., Newark, N. J. Breath-purifying tablets. No. 69,747; June 30; Gaz. vol. 134; p. 2241.
- Krutttschnitt, G. A., Newark, N. J. Breath-purifying tablets. No. 69,749; June 30; Gaz. vol. 134; p. 2241.
- Kuchynski, W. L., Wauwatosa, Wis. Headache-powders. No. 70,602; Sept. 15; Gaz. vol. 136; p. 654.
- Kuh, Nathan and Fischer Company, Chicago, Ill. Coats, vests, trousers, and overcoats. No. 68,349; Mar. 31; Gaz. vol. 133; p. 1184.
- Kuhn, D., Youngstown, Ohio. Clothes-cleaning preparation. No. 71,876; Dec. 22; Gaz. vol. 137; p. 1933.
- Kulhawik, J. J., Grand Rapids, Mich. Hat-hangers. No. 67,515; Feb. 11; Gaz. vol. 132; p. 1068.
- Kuner Pickle Company, Denver, Colo. Certain goods. No. 67,580; Feb. 11; Gaz. vol. 132; p. 1314.
- Kuschnitsky & Grünhut, Vienna, Austria-Hungary. Steam or machinery packing. No. 67,894; Feb. 25; Gaz. vol. 132; p. 1832.
- Küssner, L. C., Chicago, Ill. Sheet-music. No. 70,761; Sept. 29; Gaz. vol. 136; p. 1064.
- Kussy, H., Newark, N. J. Canned fruits and vegetables, tapioca, corn-starch, and extract of vanilla. No. 70,415; Aug. 25; Gaz. vol. 135; p. 1799.
- Kyle & Company, Chicago, Ill. Shoe-polishes. No. 68,215; Mar. 17; Gaz. vol. 133; p. 757.
- L. Candee & Co., New Haven, Conn. Rubber boots and shoes. Nos. 66,968-70; Jan. 7; Gaz. vol. 132; p. 227.
- L. Candee & Co., New Haven, Conn. Rubber boots and shoes. No. 67,162; Jan. 21; Gaz. vol. 132; p. 674.
- L. Frank Saddlery Co., San Antonio, Tex. Certain leather manufactures. No. 68,068; Mar. 3; Gaz. vol. 133; p. 226.
- L. Hess & Co. Inc., New York, N. Y. White and colored cotton dress goods. No. 70,762; Sept. 29; Gaz. vol. 136; p. 1064.
- L. Sonneborn Sons, Inc., New York, N. Y. Lubricating-oils and lubricating-greases and lubricating-pastes. No. 68,069; Mar. 3; Gaz. vol. 133; p. 226.
- L. Sonneborn Sons, Inc., New York, N. Y. Certain lubricating materials. No. 69,443; June 16; Gaz. vol. 134; p. 1797.
- L. Wolff Mfg. Co., Chicago, Ill. Certain plumbing supplies. No. 67,785; Feb. 18; Gaz. vol. 132; p. 1581.
- L. Wolff Mfg. Co., Chicago, Ill. Certain plumbers' supplies. No. 68,497; Apr. 14; Gaz. vol. 133; p. 1673.
- L. E. Waterman Company, New York, N. Y. Fountain-pens and pencils. No. 69,612; June 23; Gaz. vol. 134; p. 2024.
- L. E. Waterman Company, New York, N. Y. Safety-holders for pencils and penholders. No. 69,667; June 30; Gaz. vol. 134; p. 2239.
- L. E. Waterman Company, New York, N. Y. Safety-clips for fountain-pens and pencils. No. 71,855; Dec. 15; Gaz. vol. 137; p. 1707.
- L. L. Brown Paper Company, Adams, Mass. Paper for writing and printing. No. 70,305; Aug. 18; Gaz. vol. 135; p. 1578.
- La Bell, A., Detroit, Mich. Medicines for diseases of the stomach and liver. No. 67,358; Jan. 28; Gaz. vol. 132; p. 838.
- La Hacienda Company, Buffalo, N. Y. Periodicals. No. 69,099; May 19; Gaz. vol. 134; p. 770.
- Lacotte, E., Cherry Valley, Pa. Salves. No. 69,253; June 2; Gaz. vol. 134; p. 1293.
- Lacto-Baciline Company of New York, New York, N. Y. Milk. Nos. 67,937-8; Feb. 25; Gaz. vol. 132; p. 1833.
- Lafayette Baking Company, La Fayette, Ind. Bread. No. 71,643; Dec. 8; Gaz. vol. 137; p. 1478.
- Lafin & Rand Powder Company, New York, N. Y. Fuses and blasting-caps. No. 68,892; May 5; Gaz. vol. 134; p. 252.
- Lafin & Rand Powder Company, New York, N. Y. Gunpowder. No. 69,372; June 9; Gaz. vol. 134; p. 1558.
- Lageman, C., Aachen, Germany. Veterinary medicine in the form of pills or powders. No. 69,213; May 26; Gaz. vol. 134; p. 1046.
- Lake Chemical Company, New Brunswick, N. J. Foot-powder. No. 69,947; July 21; Gaz. vol. 135; p. 657.
- Lamar & Rankin Drug Co., Atlanta, Ga. Antiseptic and disinfectant. No. 69,392; June 9; Gaz. vol. 134; p. 1559.
- Lamarque & Co., H., Barcelona, Spain. Remedies for nervous maladies. No. 69,890; July 14; Gaz. vol. 135; p. 446.
- Lambertville Rubber Co., Lambertville, N. J. Rubber boots and shoes. No. 69,574; June 23; Gaz. vol. 134; p. 2023.
- Lambertville Rubber Co., Lambertville, N. J. Rubber boots and shoes. No. 71,830; Dec. 15; Gaz. vol. 137; p. 1706.
- Laminated Belting Company, New York, N. Y. Leather belting. No. 69,830; July 7; Gaz. vol. 135; p. 215.
- Lamkin and Foster, Inc., Boston, Mass. Children's leather and canvas shoes. No. 67,379; Jan. 28; Gaz. vol. 132; p. 839.
- Landsberger, A. H., San Francisco, Cal. Extract of tomatoes and beef. No. 68,874; May 5; Gaz. vol. 134; p. 251.
- Lane & Schmand, Bridgeport, Conn. Candy. No. 69,706; June 30; Gaz. vol. 134; p. 2240.
- Lane & Son, J. E., Golconda, Ill. Winter-wheat flour. No. 67,318; Jan. 28; Gaz. vol. 132; p. 837.
- Lang Union Broom Company, Pittsburg, Pa. Brooms, whisks, and mops. No. 70,796; Oct. 6; Gaz. vol. 136; p. 1293.
- Lange Bros., New York, N. Y. Granular effervescent salts. No. 68,954; May 12; Gaz. vol. 134; p. 590.
- Lange, M., Omaha, Nebr. Salve. No. 68,617; Apr. 21; Gaz. vol. 133; p. 1930.
- Langendorf Watch Co., Langendorf, Switzerland. Watches, watchcases, and watch-movements. No. 69,553; June 23; Gaz. vol. 134; p. 2023.
- Langworthy, L. O., Bradford, Pa. Choke-coils. No. 67,591; Feb. 11; Gaz. vol. 132; p. 1314.
- Lansden Company, Newark, N. J. Automobile vehicles. No. 69,277; June 2; Gaz. vol. 134; p. 1293.
- Lapostolle, L. A. M., Paris, France. Menthe and crème de menthe. No. 69,078; May 19; Gaz. vol. 134; p. 770.
- Lappenkors, H. F., East Pittsburg, Pa. Baking-powder. No. 70,149; Aug. 4; Gaz. vol. 135; p. 1118.
- Laprèvote & Co., S., St. Fons and Lyon, France, and New York, N. Y. Gelatin. No. 68,781; Apr. 28; Gaz. vol. 133; p. 2175.
- Laprèvote & Co., S., St. Fons and Lyon, France, and New York, N. Y. Gelatin. No. 68,849; Apr. 28; Gaz. vol. 133; p. 2177.
- Larkin Co., Buffalo, N. Y. Soap powder used for cleansing purposes. No. 71,384; Nov. 24; Gaz. vol. 137; p. 971.
- Laroche & Co., J. P., Bordeaux, France. Still wines. No. 69,707; June 30; Gaz. vol. 134; p. 2240.
- Larsen, W., Green Bay, Wis. Canned vegetables, sauer-kraut, and purée of peas. No. 71,626; Dec. 8; Gaz. vol. 137; p. 1477.
- Larsen, W., Green Bay, Wis. Canned vegetables. No. 71,644; Dec. 8; Gaz. vol. 137; p. 1478.
- Larsen, W., Green Bay, Wis. Canned vegetables and sauer-kraut. Nos. 71,645-6; Dec. 8; Gaz. vol. 137; p. 1478.
- Larsen, W., Green Bay, Wis. Canned vegetables, sauer-kraut, and purée of peas. No. 71,647; Dec. 8; Gaz. vol. 137; p. 1478.
- Lascoff, J. L., New York, N. Y. Certain named medicines. No. 69,632; June 23; Gaz. vol. 134; p. 2025.
- Lash's Bitters Company, San Francisco, Cal. Certain medicine. No. 67,786; Feb. 18; Gaz. vol. 132; p. 1581.
- Lauderdale Canning Company, Florence, Ala. Canned fruits and vegetables. No. 71,025; Oct. 27; Gaz. vol. 136; p. 1995.
- Lauer, J., Baltimore, Md. Dress and negligé shirts. No. 67,236; Jan. 28; Gaz. vol. 132; p. 835.
- Lauffer, J. J., Brooklyn, N. Y. Tonics. No. 69,750; June 30; Gaz. vol. 134; p. 2241.
- Laughlin, J. W., Detroit, Mich. Stylographic pens or ink-writing pencils. No. 69,444; June 16; Gaz. vol. 134; p. 1797.
- Laurel Silk Works, Paterson, N. J., and New York, N. Y. Broad silk. Nos. 68,688-90; Apr. 21; Gaz. vol. 133; p. 1932.
- Lauritzen Malt Co., Minneapolis, Minn. Non-intoxicating beverage. Nos. 71,686-7; Dec. 8; Gaz. vol. 137; p. 1479.
- Lauter Co., Newark, N. J. Pianos, player-pianos, and player-piano actions. No. 68,519; Apr. 14; Gaz. vol. 133; p. 1674.
- Lauter Co., Newark, N. J. Pianos and player-pianos. No. 72,068; Dec. 29; Gaz. vol. 137; p. 2215.
- Lawson, O. P., McGregor, Tex. Seed-oats. No. 67,400; Feb. 4; Gaz. vol. 132; p. 1065.
- Lay, H., Kansas City, Mo. Hair-tonic. No. 67,980; Mar. 3; Gaz. vol. 133; p. 223.
- Layne, M. E., Houston, Tex. Wrenches. No. 70,489; Sept. 8; Gaz. vol. 136; p. 433.

Alphabetical list of registrants of trade-marks—Continued.

- "Le Ripolin," (Société anonyme française de peintures laquées et d'enduits sous-marins, procédés Lefranc & Briegleb réunis,) Paris, France. Submarine composition paint. No. 67,163; Jan. 21; Gaz. vol. 132; p. 674.
- "Le Ripolin," (Société anonyme française de peintures laquées et d'enduits sous-marins, procédés Lefranc & Briegleb réunis,) Paris, France. Mixed paints and varnishes. No. 67,337; Jan. 28; Gaz. vol. 132; p. 838.
- Lea & Perrin, Worcester, England. Sauce. No. 68,150; Mar. 10; Gaz. vol. 133; p. 509.
- Leader Iron Works, Decatur, Ill. Storage-tanks and parts of same. No. 69,100; May 19; Gaz. vol. 134; p. 771.
- Leavitt & Peirce, Incorporated, Cambridge, Mass. Cigars, cigarettes, and smoking-tobacco. No. 69,608; June 3; Gaz. vol. 134; p. 2239.
- Lebanon Mill Co., Pawtucket, R. I. Certain clothing. No. 71,529; Dec. 1; Gaz. vol. 137; p. 1232.
- Leber, L. H., New York, N. Y. Nerve sedatives and tonics. No. 71,209; Nov. 10; Gaz. vol. 137; p. 470.
- Lebolt & Company, Chicago, Ill. Jewelry for personal wear. Nos. 70,333-4; Oct. 6; Gaz. vol. 136; p. 1294.
- Leclaire, H., New York, N. Y. Certain toilet preparations. No. 68,747; Apr. 28; Gaz. vol. 133; p. 2174.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. No. 67,187; Jan. 21; Gaz. vol. 132; p. 674.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms, whisks, brushes, and dusters. No. 67,212; Jan. 21; Gaz. vol. 132; p. 675.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. No. 67,213; Jan. 21; Gaz. vol. 131; p. 675.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. Nos. 67,256-7; Jan. 28; Gaz. vol. 132; p. 835.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms and whisk-brooms. No. 67,258; Jan. 28; Gaz. vol. 132; p. 835.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. No. 67,259; Jan. 28; Gaz. vol. 132; p. 836.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. Nos. 67,599-600; Feb. 11; Gaz. vol. 132; p. 1314.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. No. 67,870; Feb. 25; Gaz. vol. 132; p. 1831.
- Lehmann, J., New York, N. Y. Erasers made of rubber and rubber substitutes. No. 67,380; Jan. 28; Gaz. vol. 132; p. 839.
- Lehmann & Co., Dr. M., Berlin, Germany. Certain prepared talcum. No. 67,692; Feb. 18; Gaz. vol. 132; p. 1579.
- Lehmann & Co., Dr. M., Berlin, Germany. Ink-stain remover. No. 67,835; Feb. 18; Gaz. vol. 132; p. 1583.
- Leipold, G. F., Baltimore, Md. Loaf wheat-bread. No. 72,047; Dec. 29; Gaz. vol. 137; p. 2215.
- Leo Cider and Vinegar Co., Falls City, Nebr. Cider, vinegar, pickles, and catsup. No. 69,562; June 23; Gaz. vol. 134; p. 2023.
- Leonard, J. H., New York, N. Y. Antiseptic wash. No. 67,693; Feb. 18; Gaz. vol. 132; p. 1579.
- Leonardi, S. B., Tampa, Fla. Remedy for diseases peculiar to women. No. 68,520; Apr. 14; Gaz. vol. 133; p. 1674.
- Leonhard Michel Brewing Company, New York, N. Y. Beers and ales. No. 69,708; June 30; Gaz. vol. 134; p. 2240.
- Leonori, F. R., New York, N. Y. Aromatic bitters. Nos. 67,359-60; Jan. 28; Gaz. vol. 132; p. 838.
- Lever Brother Company, Portland, Me., and Cambridge, Mass. Soap and soap powder. No. 71,026; Oct. 27; Gaz. vol. 136; p. 1995.
- Levering, Murray & Hanlon, Moores, Pa. Metal-polish. No. 70,352; Aug. 25; Gaz. vol. 135; p. 1797.
- Levi, P., Philadelphia, Pa. Polish for pianos, furniture, and floors. No. 68,803; Apr. 28; Gaz. vol. 133; p. 2175.
- Levi Strauss & Co., San Francisco, Cal. Certain clothing. No. 68,245; Mar. 17; Gaz. vol. 133; p. 758.
- Levi Strauss & Co., San Francisco, Cal. Certain clothing. No. 68,673; Apr. 21; Gaz. vol. 133; p. 1931.
- Levin, Isidor, Philadelphia, Pa. Canned tomatoes, peaches, pears, apples, pumpkin, squash, and tomato-pulp. No. 70,692; Sept. 22; Gaz. vol. 136; p. 844.
- Levinson, S., Seattle, Wash. Stomach-bitters. No. 67,026; Jan. 14; Gaz. vol. 132; p. 461.
- Levy's Sons, M., Shreveport, La. Leather boots and shoes. No. 67,498; Feb. 4; Gaz. vol. 132; p. 1068.
- Levy's Sons, M., Shreveport, La. Men's and boys' leather boots and shoes. No. 69,406; June 9; Gaz. vol. 134; p. 1559.
- Lewis, C. M., Brooklyn, N. Y. Breath-purifying tablets. No. 71,714; Dec. 15; Gaz. vol. 137; p. 1703.
- Lewis and Company, assignor to G. H. Adamick, Chicago, Ill. Tea. No. 67,745; Feb. 18; Gaz. vol. 132; p. 1580.
- Lewis, L. W., Columbus, Ohio. Certain chemical preparation. No. 71,683; Dec. 8; Gaz. vol. 137; p. 1479.
- Lewis Publishing Company, St. Louis, Mo. Daily newspaper. No. 69,633; June 23; Gaz. vol. 134; p. 2025.
- Lewis, W. C., Chicago, Ill. Carbon-paper. No. 71,185; Nov. 10; Gaz. vol. 137; p. 469.
- Libby, McNall & Libby, Chicago, Ill. Certain foods. No. 67,071; Jan. 14; Gaz. vol. 132; p. 462.
- Lichetti, J., Philadelphia, Pa. Oil for the treatment of rheumatism and sciatica. No. 71,909; Dec. 22; Gaz. vol. 137; p. 1934.
- Liebert & Meyer, H., Hamburg, Germany. Cement for filling fissures in metals. No. 68,804; Apr. 28; Gaz. vol. 133; p. 2175.
- Liebman & Sons, T., Philadelphia, Pa. Souvenir post-cards. No. 69,133; May 26; Gaz. vol. 134; p. 1045.
- Liebmann, A., assignor to Maargun Company, New York, N. Y. Salve for veterinary uses. No. 71,027; Oct. 27; Gaz. vol. 136; p. 1995.
- Licht, H. W., Newtown, Conn. Certain foods. No. 67,499; Feb. 4; Gaz. vol. 132; p. 1068.
- Likes, Berwanger & Co., Baltimore, Md. Men's and youths' suits and overcoats. No. 71,186; Nov. 10; Gaz. vol. 137; p. 469.
- Lincoln Stove and Range Co., Fremont, Ohio. Stoves, ranges, and parts thereof. No. 68,456; Apr. 7; Gaz. vol. 133; p. 1431.
- Lindenmeyr & Sons, H., New York, N. Y. Writing-paper. No. 70,398; Aug. 25; Gaz. vol. 135; p. 1799.
- Lindenthal and Sons, J. M., Chicago, Ill. Coats, pants, vests, and overcoats. No. 68,051; Mar. 3; Gaz. vol. 133; p. 225.
- Lindsay, J. L., Richmond, Va. Rubber roofing. No. 69,393; June 9; Gaz. vol. 134; p. 1559.
- Linen Thread Co., New York, N. Y. Linen thread and flax yarn. No. 68,521; Apr. 14; Gaz. vol. 133; p. 1674.
- Linen Thread Company, New York, N. Y. Twine and cord. No. 68,392; Apr. 7; Gaz. vol. 133; p. 1429.
- Lingner, K. A., Dresden, Germany. Mouth-washes, powders, and paste used as dentifrices. No. 70,021; July 21; Gaz. vol. 135; p. 659.
- Lino Paint Company, Collinwood, Ohio. Mineral paint and turpentine. No. 68,360; Mar. 31; Gaz. vol. 133; p. 1184.
- Lipman, M. H., New York, N. Y. Cigars. Nos. 67,027-8; Jan. 14; Gaz. vol. 132; p. 461.
- Lippman, F. V., Savannah, Ga. Medicine used as a blood-purifier. No. 71,170; Nov. 3; Gaz. vol. 137; p. 225.
- Lipp's-Murbach Co. of Baltimore City, Baltimore, Md. Candy. No. 68,748; Apr. 28; Gaz. vol. 133; p. 2174.
- Lipschultz, L. L., Philadelphia, Pa. Whisky. No. 68,070; Mar. 3; Gaz. vol. 133; p. 226.
- Liptai, L., New York, N. Y. Certain tobacco products. No. 70,603; Sept. 15; Gaz. vol. 136; p. 654.
- Lister and Company, Limited, Bradford, Yorkshire, England. Carpets and rugs. No. 70,889; Oct. 13; Gaz. vol. 136; p. 1528.
- Lister Surgical Company, New Brunswick, N. J. Absorbent cotton and gauze, and silk and catgut ligatures. No. 70,693; Sept. 22; Gaz. vol. 136; p. 844.
- Listman Mill Company, La Crosse, Wis. Wheat-flour. No. 70,537; Sept. 8; Gaz. vol. 136; p. 434.
- Listman Mill Company, La Crosse, Wis. Wheat-flour. Nos. 71,899-900; Dec. 22; Gaz. vol. 137; p. 1933.
- Littlefield Mfg. Co., Waterloo, Iowa. End-gates for farm-wagons. No. 69,809; July 14; Gaz. vol. 135; p. 445.
- Little, A. J., London, England. Bristles for brush-making. No. 68,585; Apr. 21; Gaz. vol. 133; p. 1929.
- Little & Company, A. E., Lynn, Mass. Heel-cushions for boots and shoes. No. 69,539; June 16; Gaz. vol. 134; p. 1800.
- Litwiller, T., Trenton, Ill. Wire fence. No. 67,871; Feb. 25; Gaz. vol. 132; p. 1831.
- Live Oak Distilling Company, Cincinnati, Ohio. Whisky. No. 67,319; Jan. 28; Gaz. vol. 132; p. 937.
- Liverpool Borax Co., Ltd., Liverpool, England. Certain chemical composition. No. 68,586; Apr. 21; Gaz. vol. 133; p. 1929.
- Livingston, A. J., Newport, Ky. Chewing and smoking tobacco. No. 69,184; May 26; Gaz. vol. 134; p. 1045.
- Lloyd, L., East Lynn, W. Va. Certain remedy. No. 68,122; Mar. 10; Gaz. vol. 133; p. 508.
- Loane-Hiltz Engineering Company of Baltimore City, Baltimore, Md. Internal-combustion engines and parts thereof. No. 69,455; June 16; Gaz. vol. 134; p. 1797.
- Locke Shoe Company, Wheeling, W. Va. Leather boots and shoes. No. 70,975; Oct. 20; Gaz. vol. 136; p. 1764.
- Lockhart-MacBean Company, Philadelphia, Pa. Suspenders, garters, belts, and arm-bands. No. 69,520; June 13; Gaz. vol. 134; p. 1769.
- Loewenstein, Max, New York, N. Y. Metal-polish. No. 69,229; May 26; Gaz. vol. 134; p. 1046.
- Long & Davidson, Lancaster, Pa. Leather shoes. No. 70,478; Sept. 8; Gaz. vol. 136; p. 433.
- Long Island Pharmaceutical Co., New York, N. Y. Remedies for dyspepsia and diseases of the blood. No. 68,749; Apr. 28; Gaz. vol. 133; p. 2174.
- Long Island Potato Exchange, Riverhead, N. Y. Fresh vegetables. No. 71,583; Dec. 1; Gaz. vol. 137; p. 1233.
- Long, R. E., Washington, D. C. Magazine. No. 69,718; June 30; Gaz. vol. 134; p. 2240.
- Longbottom, H., Bradford, England. Cloths of wool, worsted, or hair. No. 72,003; Dec. 29; Gaz. vol. 137; p. 2213.
- Longmont Farmers' Milling & Elevator Company, Longmont, Colo. Wheat-flour. Nos. 70,733-5; Sept. 29; Gaz. vol. 136; p. 1064.
- Longmont Farmers' Milling & Elevator Company, Longmont, Colo. Wheat-flour. No. 70,797; Oct. 6; Gaz. vol. 136; p. 1293.
- Longview Crate and Woodenware Mfg. Co., Longview, Tex. Mattresses. No. 70,374; Aug. 25; Gaz. vol. 135; p. 1798.
- Lonke, J., New York, N. Y. Certain piece goods. No. 69,891; July 14; Gaz. vol. 135; p. 446.
- Lonke, J., New York, N. Y. Certain piece goods. No. 70,416; Aug. 25; Gaz. vol. 135; p. 1799.
- Lonke, J., New York, N. Y. Certain piece goods. No. 72,004; Dec. 29; Gaz. vol. 137; p. 2213.
- Looney, J. H., Fresno, Cal. Magazine nail-holders. No. 70,080; July 28; Gaz. vol. 135; p. 890.
- Lopez y Archavala, J., Bilbao, Spain. Certain tools. No. 68,480; Apr. 14; Gaz. vol. 133; p. 1673.
- Lord Brothers Company, Portland, Me. Boneless codfish. No. 67,556; Feb. 11; Gaz. vol. 132; p. 1313.
- Lord & Taylor, New York, N. Y. Knitted underwear. No. 68,071; Mar. 3; Gaz. vol. 133; p. 226.
- Lord & Taylor, New York, N. Y. Hosiery. No. 71,201; Nov. 10; Gaz. vol. 137; p. 469.
- Loring O. White Company, Brockton, Mass. Leather boots and leather shoes. No. 67,126; Jan. 14; Gaz. vol. 132; p. 464.
- Louis Dejonge & Co., New York, N. Y. Surface-coated paper. No. 69,346; June 9; Gaz. vol. 134; p. 1557.
- Louisville Axe & Tool Company, Louisville and Highland Park, Ky. Axes. No. 71,068; Oct. 27; Gaz. vol. 136; p. 1996.
- Louisville Axe & Tool Company, Louisville and Highland Park, Ky. Axes. No. 71,584; Dec. 1; Gaz. vol. 137; p. 1233.
- Louisville Pillow Co., Louisville, Ky. Mattresses. No. 70,199; Aug. 11; Gaz. vol. 135; p. 1357.

Alphabetical list of registrants of trade-marks—Continued.

- Louisville Pillow Co., Louisville, Ky. Feather and down pillows and cotton-felt mattresses. No. 71,946; Dec. 22; Gaz. vol. 137; p. 1935.
- Louisville Soap Company, Louisville, Ky. Soap. No. 70,224; Aug. 11; Gaz. vol. 135; p. 1358.
- Lovell-McConnell Manufacturing Company, Newark, N. J. Signal horns or alarms. No. 69,913; July 14; Gaz. vol. 135; p. 447.
- Lowe Brothers Co., Dayton, Ohio. Enamel-paint. No. 68,273; Mar. 17; Gaz. vol. 133; p. 759.
- Lowel, C., Los Angeles, Cal. Remedies for certain diseases. No. 69,734; June 10; Gaz. vol. 134; p. 2241.
- Lowerator Company of America, Chicago, Ill. Apparatus for lowering freight. No. 70,010; July 21; Gaz. vol. 135; p. 659.
- Lucas, A. J., Chicago, Ill. Certain painters' materials. No. 70,703; Sept. 29; Gaz. vol. 136; p. 1063.
- "Lucerna" Anglo-Swiss Milk Chocolate Co., Hochdorf-Luzerne, Switzerland. Milk-chocolate. No. 70,011; July 21; Gaz. vol. 135; p. 659.
- Luckett-Wake Tobacco Co., Louisville, Ky., and Clarksville, Tenn. Leaf-tobacco. No. 72,069; Dec. 29; Gaz. vol. 137; p. 2215.
- Ludwig Hupfeld Aktiengesellschaft, Leipzig, Germany. Certain musical apparatus and parts. No. 67,530; Feb. 4; Gaz. vol. 132; p. 1069.
- Luhan, J. F. C., New York, N. Y. Disinfectant and deodorizer. No. 68,522; Apr. 14; Gaz. vol. 133; p. 1674.
- Lund, G., London, England. Certain piece goods. No. 70,108; July 28; Gaz. vol. 135; p. 891.
- Lunkenheimer Company, Cincinnati, Ohio. Valves. No. 70,450; Sept. 1; Gaz. vol. 136; p. 221.
- Lurie, J., New York, N. Y. Automobile-lamps. No. 67,646; Feb. 11; Gaz. vol. 132; p. 1316.
- Luyties Brothers, New York, N. Y. Alcoholic punch. No. 70,053; July 28; Gaz. vol. 135; p. 889.
- Luyties, F. A., St. Louis, Mo. Remedy for diseases of the kidneys, bladder, and prostate gland. No. 68,246; Mar. 17; Gaz. vol. 133; p. 758.
- Luyties, F. A., St. Louis, Mo. Demulcent, toilet cream, and skin food. No. 68,350; Mar. 31; Gaz. vol. 133; p. 1184.
- Luyties, F. A., St. Louis, Mo. Tonic. No. 69,591; June 23; Gaz. vol. 134; p. 2024.
- Luyties, F. A., assignor to Euquina Company, St. Louis, Mo. No. 71,171; Nov. 3; Gaz. vol. 137; p. 225.
- Lycorning Rubber Co., Williamsport, Pa. Rubber boots and shoes. No. 67,437; Feb. 4; Gaz. vol. 132; p. 1066.
- Lycorning Rubber Co., Williamsport, Pa. Rubber boots and shoes. Nos. 67,466-7; Feb. 4; Gaz. vol. 132; p. 1067.
- Lycorning Wireless Umbrella Co., Williamsport, Pa. Umbrellas and parts thereof. No. 70,736; Sept. 29; Gaz. vol. 136; p. 1064.
- Lyman, J. G., White Plains, N. Y. Heat and cold insulated bottles. No. 68,930; May 5; Gaz. vol. 134; p. 253.
- Lyman, J. G., White Plains, N. Y. Heat and cold insulated bottles. No. 69,136; May 19; Gaz. vol. 134; p. 772.
- Lynchburg Shoe Co., Lynchburg, Va. Leather boots and shoes. No. 67,438; Feb. 4; Gaz. vol. 132; p. 1066.
- Lynchburg Shoe Co., Lynchburg, Va. Leather boots and shoes. No. 67,674; Feb. 11; Gaz. vol. 132; p. 1316.
- Lytle, E. C., Baltimore, Md. Headache-wafers. No. 69,265; June 2; Gaz. vol. 134; p. 1293.
- M. Gans Co., Pine Bluff, Ark. Whisky. No. 68,654; Apr. 21; Gaz. vol. 133; p. 1931.
- M. Lindsay Rubber Manufacturing Company, New York, N. Y., and Washington, D. C. Certain toys. No. 67,029; Jan. 14; Gaz. vol. 132; p. 461.
- M. Marsh & Son, Wheeling, W. Va. Stogies. No. 71,782; Dec. 15; Gaz. vol. 137; p. 1705.
- M. Stachelberg & Co., New York, N. Y. Cigars, cheroots, and little cigars. No. 69,999; July 21; Gaz. vol. 135; p. 659.
- M. Werk Co., Cincinnati, Ohio. Soap. No. 70,549; Sept. 15; Gaz. vol. 136; p. 653.
- M. A. Winter Co., Washington, D. C. Laxative tablets. No. 67,787; Feb. 18; Gaz. vol. 132; p. 1581.
- M. B. Foster & Sons, Limited, London, England. Beer. No. 71,210; Nov. 10; Gaz. vol. 137; p. 470.
- M. B. Foster & Sons, Limited, London, England. Beer. No. 72,027; Dec. 29; Gaz. vol. 137; p. 2214.
- M. B. Foster & Sons, Limited, London, England. Beer. No. 72,048; Dec. 29; Gaz. vol. 137; p. 2215.
- M. D. Wells Co., Chicago, Ill. Leather boots, shoes, and slippers. Nos. 67,381-2; Jan. 28; Gaz. vol. 132; p. 839.
- M. D. Wells Co., Chicago, Ill. Leather boots, shoes, and slippers. No. 68,691; Apr. 21; Gaz. vol. 133; p. 1932.
- M. J. Grove Lime Co., Lime Kiln, Md. Lime. No. 70,660; Sept. 22; Gaz. vol. 136; p. 843.
- M. J. Grove Lime Co., Lime Kiln, Md. Lime for fertilizing. No. 70,890; Oct. 13; Gaz. vol. 136; p. 1528.
- M. M. Johansen Candy Company, Dubuque, Iowa. Candy. No. 69,031; May 12; Gaz. vol. 134; p. 511.
- Maargunt Company. (See Liebmann, A., assignor.)
- Maas, H. F., Amsterdam, Netherlands. Diamond-polishers' iron wheels. No. 68,467; Apr. 7; Gaz. vol. 133; p. 1431.
- Maas & Waldstein Extract Company, New York, N. Y. Non-alcoholic preparation for soda-water syrups. No. 67,399; Feb. 4; Gaz. vol. 132; p. 1065.
- Mabie, Todd & Co., New York, N. Y. Fountain-pens. No. 71,236; Nov. 10; Gaz. vol. 137; p. 470.
- Mabie, Todd & Co., New York, N. Y. Fountain-pens. No. 71,446; Nov. 24; Gaz. vol. 137; p. 973.
- Mac Willie, A., Detroit, Mich. Peanut-butter. No. 69,110; May 19; Gaz. vol. 134; p. 771.
- Macaluso Bros., New Orleans, La. Italian olive-oil. No. 70,353; Aug. 25; Gaz. vol. 135; p. 1797.
- Macdonald, R. B., Attleboro, Mass. Lockets, cuff-pins, and fobs. No. 67,531; Feb. 4; Gaz. vol. 132; p. 1066.
- Mackintosh's Toffee Company, Bradley Beach, N. J. Toffee. No. 71,385; Nov. 24; Gaz. vol. 137; p. 971.
- Maconochie Bros. Ltd., London, England. Pickles. No. 69,026; May 12; Gaz. vol. 134; p. 511.
- Macy & Co., R. H., New York, N. Y. Hosiery. No. 70,185; Aug. 11; Gaz. vol. 135; p. 1357.
- Macy & Co., R. H., New York, N. Y. Women's leather waist-belts. No. 70,417; Aug. 25; Gaz. vol. 135; p. 1799.
- Madam Waters Co., Dallas, Tex. Face-cream. No. 71,724; Dec. 15; Gaz. vol. 137; p. 1703.
- Madame Irene, New York, N. Y. Corsets. Nos. 70,135-6; Aug. 4; Gaz. vol. 135; p. 1117.
- Maendler, P., St. Paul, Minn. Brushes. Nos. 68,393-4; Apr. 7; Gaz. vol. 133; p. 1429.
- Magee, E. W., St. Louis, Mo. Hat and bonnet frames. No. 71,346; Nov. 17; Gaz. vol. 137; p. 729.
- Magic Foot Draft Co., Jackson, Mich. Adhesive plasters. No. 70,109; July 28; Gaz. vol. 135; p. 891.
- Mahn, G. S., New York, N. Y. Smoking-tobacco. No. 71,941; Dec. 22; Gaz. vol. 137; p. 1935.
- Maillard, H., New York, N. Y. Cocoa. No. 67,320; Jan. 28; Gaz. vol. 132; p. 837.
- Mally, J. B., New York, N. Y. Dress-skirts. No. 69,819; July 7; Gaz. vol. 135; p. 214.
- Maltet Chemical Company, New York, N. Y. Cough-drops. No. 68,618; Apr. 21; Gaz. vol. 133; p. 1930.
- Mampe, F. J., Stargard, Germany. Bitters. No. 72,070; Dec. 29; Gaz. vol. 137; p. 2215.
- Manchester Tobacco Company, Manchester, N. H. Cigarettes. No. 70,022; July 21; Gaz. vol. 135; p. 659.
- Manganese Bronze & Brass Company Limited, London, England. Metallic alloys. No. 69,043; May 19; Gaz. vol. 134; p. 769.
- Manganese Bronze & Brass Company Limited, London, England. Antifriction alloys. No. 69,044; May 19; Gaz. vol. 134; p. 769.
- Manganese Bronze & Brass Company Limited, London, England. Metallic alloys. No. 69,067; May 19; Gaz. vol. 134; p. 770.
- Mangis, L. F., Portland, Ore. Chemical washing-powder for laundry purposes. No. 67,981; Mar. 3; Gaz. vol. 133; p. 223.
- Manhattan Disinfecting Company, New York, N. Y. Certain chemical preparations. No. 71,648; Dec. 8; Gaz. vol. 137; p. 1478.
- Manhattan Drug Co., New York, N. Y. Soap. No. 68,424; Apr. 7; Gaz. vol. 133; p. 1430.
- Manhattan Drug Co., New York, N. Y. Blood-purifier and tonic. No. 68,619; Apr. 21; Gaz. vol. 133; p. 1930.
- Manhattan Electrical Supply Company, Jersey City, N. J.; New York, N. Y., and Chicago, Ill. Certain electrical apparatus and machines. No. 68,832; Apr. 28; Gaz. vol. 133; p. 2176.
- Manhattan Electrical Supply Company, Jersey City, N. J.; New York, N. Y.; Chicago, Ill., and Ravenna, Ohio. Certain electrical apparatus and supplies. No. 71,260; Nov. 10; Gaz. vol. 137; p. 471.
- Manhier Hosiery Mills Company, Manheim, Pa. Hosiery. No. 71,187; Nov. 10; Gaz. vol. 137; p. 469.
- Manierre-Yoe Syrup Company, Chicago, Ill. Syrup compounded of corn, cane, and maple. No. 71,261; Nov. 10; Gaz. vol. 137; p. 471.
- Mann, F. E., et al., executors. (See Mann, J. H.)
- Mann, J. H., deceased; F. E., W., and P. G. Mann, Lewistown, Pa., executors. Axes. No. 70,306; Aug. 18; Gaz. vol. 135; p. 1578.
- Mann, P. G., et al., executors. (See Mann, J. H.)
- Mann, W., et al., executors. (See Mann, J. H.)
- Manning, Maxwell & Moore, Inc., New York, N. Y. Saws. No. 70,604; Sept. 15; Gaz. vol. 136; p. 654.
- Manomet Cranberry Company, Plymouth, Mass. Cranberries. No. 67,321; Jan. 28; Gaz. vol. 132; p. 837.
- Manss Shoe Mfg. Co., Cincinnati, Ohio. Leather boots and shoes. Nos. 69,214-15; May 26; Gaz. vol. 134; p. 1046.
- Manufactures Royales de Corsets P. D. (Société Anonyme), Brussels, Belgium. Corsets. Nos. 68,171-2; Mar. 10; Gaz. vol. 133; p. 509.
- Manufacturers Supplies Company, Philadelphia, Pa. Rubber tires. Nos. 69,407-8; June 9; Gaz. vol. 134; p. 1559.
- Manufacturing Company of America, Philadelphia, Pa. Candy. Nos. 68,750-1; Apr. 28; Gaz. vol. 133; p. 2174.
- Marblecrete Products Co., Akron, N. Y. Artificial stone and composition for making the same. No. 70,798; Oct. 6; Gaz. vol. 136; p. 1293.
- Marchiony, F., Brooklyn, N. Y. Wafers. No. 71,649; Dec. 8; Gaz. vol. 137; p. 1478.
- Marden & Bull, Leominster, Mass. Flavoring extracts. No. 68,538; Apr. 14; Gaz. vol. 133; p. 1674.
- Margaine-Lacroix, J., Paris, France. Corsets. No. 69,818; July 7; Gaz. vol. 135; p. 214.
- Margaine-Lacroix, J. V., Paris, France. Corsets and corselets. No. 68,552; Apr. 14; Gaz. vol. 133; p. 1675.
- Margarete Steiff, G. m. b. H., Giengen, Germany. Dolls and stuffed toy figures. No. 68,568; Apr. 14; Gaz. vol. 133; p. 1675.
- Mariani & Co., New York, N. Y. Certain medicinal preparation. No. 67,912; Feb. 25; Gaz. vol. 132; p. 1832.
- Marion Flint Glass Company, Marion, Ind. Glass bottles. No. 67,500; Feb. 4; Gaz. vol. 132; p. 1068.
- Marion Mfg. Co., G. L., New York, N. Y. Denatured alcohol. No. 68,897; May 5; Gaz. vol. 134; p. 252.
- Marjenhoff Co., Charleston, S. C. Candy. No. 67,718; Feb. 18; Gaz. vol. 132; p. 1579.

Alphabetical list of registrants of trade-marks—Continued.

- Marjenhoff Co., Charleston, S. C. Cakes and biscuit. No. 69,457; June 16; Gaz. vol. 134; p. 1798.
- Marjenhoff Company, Charleston, S. C. Biscuits, crackers, and cakes. No. 67,439; Feb. 4; Gaz. vol. 132; p. 1066.
- Market Medical Company, Brooklyn, N. Y. Liquid remedy for coughs, colds, and catarrh. No. 68,441; Apr. 7; Gaz. vol. 133; p. 1430.
- Markham and Roberts, Limited, Stafford, England. Boot and shoe heels made of wood. No. 67,581; Feb. 11; Gaz. vol. 132; p. 1314.
- Marquise Chocolate Co., Inc., New York, N. Y. Chocolate and candies. No. 69,068; May 19; Gaz. vol. 134; p. 770.
- Marsh Company, H. C., Rockford, Ill. Picture-frame machines, vises, and miter-boxes. No. 68,395; Apr. 7; Gaz. vol. 133; p. 1429.
- Marshall Field & Company, Chicago, Ill. Gloves of textile fabrics. No. 67,567; Feb. 11; Gaz. vol. 132; p. 1313.
- Marshall Field & Company, Chicago, Ill. Leather gloves of all kinds. No. 67,719; Feb. 18; Gaz. vol. 132; p. 1579.
- Marshall Milk Condensing Company, Marshall, Ill. Milk. No. 68,875; May 5; Gaz. vol. 134; p. 251.
- Marshall Oil Company, Marshalltown, Iowa. Gun-oil. No. 69,230; May 26; Gaz. vol. 134; p. 1046.
- Marshall-Wells Hardware Co., Duluth, Minn. Certain abrasive materials. No. 71,386; Nov. 24; Gaz. vol. 137; p. 971.
- Marshall-Wells Hardware Co., Duluth, Minn. Certain cutlery and tools. No. 71,387; Nov. 24; Gaz. vol. 137; p. 971.
- Marshall-Wells Hardware Co., Duluth, Minn. Squares, wing-dividers, and levels. No. 71,388; Nov. 24; Gaz. vol. 137; p. 971.
- Marshall-Wells Hardware Co., Duluth, Minn. Certain metal articles. No. 71,389; Nov. 24; Gaz. vol. 137; p. 971.
- Marshall-Wells Hardware Co., Duluth, Minn. Certain sporting goods. No. 71,390; Nov. 24; Gaz. vol. 137; p. 971.
- Marshall-Wells Hardware Co., Duluth, Minn. Silver-plated knives, forks, and spoons. No. 71,473; Nov. 24; Gaz. vol. 137; p. 974.
- Marshall-Wells Hardware Co., Duluth, Minn. Duck tents, awnings, paulins, and felt weather-strips. No. 71,509; Dec. 1; Gaz. vol. 137; p. 1231.
- Marshall-Wells Hardware Co., Duluth, Minn. Babbitt metal, sheet-steel, tin-plate, and silver solder. No. 71,548; Dec. 1; Gaz. vol. 137; p. 1232.
- Marshall-Wells Hardware Co., Duluth, Minn. Certain horse equipments. No. 71,595; Dec. 1; Gaz. vol. 137; p. 1233.
- Martin, L. B., Boston, Mass. Liniment. No. 67,417; Feb. 4; Gaz. vol. 132; p. 1065.
- Martin Manufacturing Company, Newton, Mass. Window-curtains and lace and muslin for making curtains. Nos. 70,891-3; Oct. 13; Gaz. vol. 136; p. 1528.
- Martin's Sons, E. J., Rockville, Conn. Fishing-lines. No. 70,994; Oct. 20; Gaz. vol. 136; p. 1765.
- Maryville Hosiery Mills, Maryville, Tenn. Knitted hosiery. No. 67,647; Feb. 11; Gaz. vol. 132; p. 1316.
- Mason City Brick & Tile Company, Mason City, Iowa. Certain building materials. No. 67,116; Jan. 14; Gaz. vol. 132; p. 464.
- Maspero Frères, Limited, London, England. Cigarettes, cigars, smoking and chewing tobacco. No. 67,260; Jan. 28; Gaz. vol. 132; p. 836.
- Maspero Frères, Limited, London, England. Cigars, cigarettes, smoking and chewing tobacco. No. 67,261; Jan. 28; Gaz. vol. 132; p. 836.
- Maspero Frères, Limited, London, England. Cigarettes, cigars, and tobacco. No. 71,303; Nov. 17; Gaz. vol. 137; p. 728.
- Maspero Frères, Limited, London, England. Cigarettes, cigars, and tobacco. No. 71,493; Nov. 24; Gaz. vol. 137; p. 975.
- Matchless Metal Polish Co., New York, N. Y., and Chicago, Ill. Certain abrasive material. No. 69,831; July 7; Gaz. vol. 135; p. 215.
- Mathie Brewing Company, Los Angeles, Cal. Beer. No. 68,163; Mar. 10; Gaz. vol. 133; p. 509.
- Mattatuck Manufacturing Company, Waterbury, Conn. Certain metallic fabrics. No. 69,185; May 26; Gaz. vol. 134; p. 1045.
- Mattle, N. B., Syracuse, N. Y. Ginseng compound. No. 70,418; Aug. 25; Gaz. vol. 135; p. 1799.
- Maurice O'Meara Company, New York, N. Y. Building-papers, tarred felt, roofing, and roofing-felt. No. 71,474; Nov. 24; Gaz. vol. 137; p. 974.
- Maurin, P. P., Cold Spring, Minn. Natural mineral water. Nos. 70,835-7; Oct. 6; Gaz. vol. 136; p. 1294.
- Mauss, H., New York, N. Y. Carbonated non-alcoholic sparkling beverage. Nos. 69,045-6; May 19; Gaz. vol. 134; p. 769.
- Mawby, J. V., Philadelphia, Pa. Carpets and rugs. Nos. 69,238-9; May 26; Gaz. vol. 134; p. 1047.
- Max Elb Gesellschaft mit beschränkter Haftung, Dresden, Germany. Certain chemical preparations. No. 68,587; Apr. 21; Gaz. vol. 133; p. 1929.
- Maxim Chemical Company, New York, N. Y. Chemical pipe-cleaning preparation. No. 69,384; June 9; Gaz. vol. 134; p. 1558.
- Maxim Chemical Company, New York, N. Y. Liquid soap. No. 71,304; Nov. 17; Gaz. vol. 137; p. 728.
- Maxson, F. P., Chicago, Ill. Coping-saws. No. 70,995; Oct. 20; Gaz. vol. 136; p. 1765.
- Maxwell, D. A., Anthony, Kans. Certain remedy. No. 69,156; May 19; Gaz. vol. 134; p. 772.
- Mayer, A., New York, N. Y. Combination undergarments for ladies. No. 71,202; Nov. 10; Gaz. vol. 137; p. 469.
- Mayer, L., Mankato, Minn. Trip-hammers. No. 71,391; Nov. 24; Gaz. vol. 137; p. 971.
- Mayer, M. & C., New York, N. Y. Knit hosiery and underwear. No. 68,072; Mar. 3; Gaz. vol. 133; p. 226.
- Mayhew, E., New York, N. Y. Stained-glass substitutes. No. 70,577; Sept. 15; Gaz. vol. 136; p. 654.
- McCarver, S. S., Fordyce, Ark. Remedy for cramps and bots in horses. No. 67,361; Jan. 28; Gaz. vol. 132; p. 838.
- McCaw Manufacturing Co., Macon, Ga. Cotton-seed oil. Nos. 70,911-12; Oct. 13; Gaz. vol. 136; p. 1529.
- McCoy, H. L., Minneapolis, Minn. Colanders and spoons made of iron, steel, and brass. No. 71,530; Dec. 1; Gaz. vol. 137; p. 1232.
- McClave-Brooks Co., Scranton, Pa. Steam-blowers. No. 67,788; Feb. 18; Gaz. vol. 132; p. 1581.
- McClave-Brooks Co., Scranton, Pa. Grates. No. 67,836; Feb. 18; Gaz. vol. 132; p. 1583.
- McClintock & Irvine Co., Pittsburg, Pa. Building-paper. No. 69,762; July 7; Gaz. vol. 135; p. 213.
- McClintock & Irvine Co., Pittsburg, Pa. Paints. No. 69,790; July 7; Gaz. vol. 135; p. 214.
- McClure Company, New York, N. Y. Catalogues and advertising-circulars. No. 68,674; Apr. 21; Gaz. vol. 133; p. 1931.
- McCord Brady Co., Omaha, Nebr. Coffee and tea. No. 68,151; Mar. 10; Gaz. vol. 133; p. 509.
- McCoy, F. E., Denver, Colo. Ice-cream cones and popcorn. No. 68,882; May 5; Gaz. vol. 134; p. 251.
- McCready, R. H., Plainfield, N. J., and New York, N. Y. Monthly trade journal. No. 70,206; Aug. 11; Gaz. vol. 135; p. 1358.
- McDermott Dairy Company, New York, N. Y. Certain dairy products. No. 69,467; June 16; Gaz. vol. 134; p. 1798.
- McDonnell, A. F., Scranton, Pa. Metal, paper, and porcelain bottle-closures. No. 70,490; Sept. 8; Gaz. vol. 136; p. 433.
- McElroy Bros. Co., Bridgeport, Conn. Butter. No. 67,568; Feb. 11; Gaz. vol. 132; p. 1313.
- McFarland Foundry & Machine Co., Trenton, N. J. Propellers for boats. No. 69,278; June 2; Gaz. vol. 134; p. 1293.
- McGowan, F. A., Canton, Ohio. Children's leather and cloth shoes. No. 68,339; Mar. 31; Gaz. vol. 133; p. 1183.
- McJohnston, W. E., Terre Haute, Ind. Certain medicinal preparations. No. 69,892; July 14; Gaz. vol. 135; p. 446.
- McKallip and Company, Pittsburg, Pa. Lime, plaster, roofing-paper, and roofing-felt. No. 71,596; Dec. 1; Gaz. vol. 137; p. 1233.
- McKinney, C. S., New York, N. Y. Antiseptic preservative compound. No. 69,266; June 2; Gaz. vol. 134; p. 1293.
- McKnight & Worrell, Dayton, Ohio. Candied popcorn. No. 69,361; June 9; Gaz. vol. 134; p. 1558.
- McMurray, W., St. Paul, Minn. Teas and coffees. No. 71,392; Nov. 24; Gaz. vol. 137; p. 972.
- McMurray, W., St. Paul, Minn. Coffees. No. 72,028; Dec. 29; Gaz. vol. 137; p. 2214.
- McNeely & Price, Philadelphia, Pa. Glazed kid. No. 71,715; Dec. 15; Gaz. vol. 137; p. 1703.
- McVitie, R., Edinburgh, Scotland, and London, England. Cakes, biscuits, and bread. Nos. 69,961-4; July 21; Gaz. vol. 135; p. 658.
- Meadoline Co., Vidalia, Ga. Salve or ointment. No. 69,575; June 23; Gaz. vol. 134; p. 2023.
- Meatox Company, Coney Island, assignor to Hawley & Hoops, New York, N. Y. Chocolate-flavored food preparations. No. 70,838; Oct. 6; Gaz. vol. 136; p. 1294.
- Mechanische Weberei zu Linden, Hanover-Linden, Germany. Velveteens. No. 67,948; Feb. 25; Gaz. vol. 132; p. 1833.
- Mechanische Weberei zu Linden, Hanover-Linden, Germany. Velveteens. No. 68,199; Mar. 10; Gaz. vol. 133; p. 510.
- Medlicott Company, Windsor Locks, Conn. Merino underwear. No. 69,373; June 9; Gaz. vol. 134; p. 1558.
- Meenen, Spezialhaus für Spiritusbeleuchtung, A., Berlin, Germany. Certain lamps and stoves. No. 68,179; Mar. 10; Gaz. vol. 133; p. 509.
- Mehlbach Saddle Co., New York, N. Y. Riding-saddles and parts thereof, saddle-cloths, bridles, and bits. No. 71,968; Dec. 22; Gaz. vol. 137; p. 1935.
- Meigs & Company Inc., Springfield, Mass., and New Haven and Bridgeport, Conn. Leather boots and shoes. No. 67,127; Jan. 14; Gaz. vol. 132; p. 464.
- Melachrinio, J., London, England. Cigarettes. No. 69,428; June 16; Gaz. vol. 134; p. 1797.
- Mendel & Company, New York, N. Y. Cigars, cheroots, and little cigars. No. 70,399; Aug. 25; Gaz. vol. 135; p. 1799.
- Mendez, L. J., New York, N. Y. Cigars. No. 67,030; Jan. 14; Gaz. vol. 132; p. 461.
- Mercer Drug Co., Trenton, N. J. Certain medicinal preparation. No. 67,031; Jan. 14; Gaz. vol. 132; p. 461.
- Merchant & Evans Company, Philadelphia, Pa. Certain metals unwrought and partly wrought. No. 67,582; Feb. 11; Gaz. vol. 132; p. 1314.
- Merchants Cigar Company, Birmingham, Ala. Cigars. No. 70,799; Oct. 6; Gaz. vol. 136; p. 1293.
- Merck, E., Darmstadt, Germany. Solution of hydrogen peroxid in water. No. 67,619; Feb. 11; Gaz. vol. 132; p. 1315.
- Merck, E., Darmstadt, Germany. Derivative or substitute for ergot. No. 68,111; Mar. 10; Gaz. vol. 133; p. 508.
- Merck, E., Darmstadt, Germany. Solution of hydrogen peroxid in water. No. 69,267; June 2; Gaz. vol. 134; p. 1293.
- Merck, E., Darmstadt, Germany. Remedy for hog-plague. No. 71,910; Dec. 22; Gaz. vol. 137; p. 1934.
- Merrill Silk Company, Hornell, N. Y. Gloves, mitts, underwear, hosiery, and stockings. No. 71,305; Nov. 17; Gaz. vol. 137; p. 728.
- Mesal Chemical Co., Chattanooga, Tenn. Remedy for rheumatism. No. 70,605; Sept. 15; Gaz. vol. 136; p. 654.
- Mestrezat, W. A., Morgantown, W. Va. Medical preparation for skin diseases. No. 71,927; Dec. 22; Gaz. vol. 137; p. 1934.
- Metropolitan Paint & Varnish Co., Philadelphia, Pa. Certain painters' materials. No. 68,173; Mar. 10; Gaz. vol. 133; p. 509.
- Metzger, T., Stamford, Conn. Soap for cleaning automobiles. No. 67,248; Jan. 28; Gaz. vol. 132; p. 836.

Alphabetical list of registrants of trade-marks—Continued.

- Meyer, A. C., Baltimore, Md. Insecticides. No. 71,028; Oct. 27; Gaz. vol. 136; p. 1995.
- Meyer Brothers Coffee and Spice Company, St. Louis, Mo. Coffee. Nos. 69,047-50; May 19; Gaz. vol. 134; p. 769.
- Meyer Brothers Coffee and Spice Company, St. Louis, Mo. Coffee. No. 69,689; June 30; Gaz. vol. 134; p. 2240.
- Meyer & Co., F., New York, N. Y. Reactance-coils. No. 69,832; July 7; Gaz. vol. 135; p. 215.
- Meyer, E., Friedrichswerth, Germany. Roasted cereals. No. 69,086; May 19; Gaz. vol. 134; p. 770.
- Meyer, J., & J. E. Dort, Buffalo, N. Y. Menthol-compound cough-drops. No. 70,165; Aug. 4; Gaz. vol. 135; p. f118.
- Meyer, J. H., New York, N. Y. Cotton piece goods. No. 70,189; Aug. 11; Gaz. vol. 135; p. 1357.
- Meyer Rubber Company, New Brunswick, N. J. Rubber boots and shoes. No. 67,468; Feb. 4; Gaz. vol. 132; p. 1067.
- Meyer, T., Philadelphia, Pa. Certain chemical preparation. No. 69,940; July 21; Gaz. vol. 135; p. 657.
- Meysers & Son, L., New York, N. Y. Leather gloves, gauntlets, and mittens. No. 71,306; Nov. 17; Gaz. vol. 137; p. 728.
- Mezcal Tequila Distillery Company, Inc., San Francisco, Cal. A Mexican liquor known as "Mezcal tequila." No. 71,393; Nov. 24; Gaz. vol. 137; p. 972.
- Mica Insulator Company, New York, N. Y. Electrical insulating compound. No. 70,012; July 21; Gaz. vol. 135; p. 659.
- Michigan Ammonia Works, Detroit, Mich. Dry smelling-salts. No. 71,339; Nov. 17; Gaz. vol. 137; p. 729.
- Michigan Copper and Brass Co., Detroit, Mich. Sheets of copper or brass and wire of copper or brass. No. 68,481; Apr. 14; Gaz. vol. 133; p. 1673.
- Migel & Co., M. C., New York, N. Y. Broad silks. Nos. 67,746-8; Feb. 18; Gaz. vol. 132; p. 1580.
- Miller, B., Chicago, Ill. Tonic medicine. No. 66,906; Jan. 7; Gaz. vol. 132; p. 225.
- Miller Bros., New York, N. Y. Saline laxative. No. 68,311; Mar. 24; Gaz. vol. 133; p. 987.
- Miller Bros., New York, N. Y. Manicure implements adapted for abrading and polishing the nails. No. 68,340; Mar. 31; Gaz. vol. 133; p. 1183.
- Miller Bros., New York, N. Y. Nail-polish. No. 69,521; June 16; Gaz. vol. 134; p. 1799.
- Miller Bros. & Co., Baltimore, Md. Oysters. No. 70,976; Oct. 20; Gaz. vol. 136; p. 1764.
- Miller Brothers, New York, N. Y. Nail-polishing paste. No. 67,982; Mar. 3; Gaz. vol. 133; p. 223.
- Miller Company, J. W., Freeport, Ill. Fireless cookers. No. 71,698; Dec. 8; Gaz. vol. 137; p. 1479.
- Miller, J. C., Akron, Ohio. Liquid medicine for the treatment of rheumatism. No. 67,418; Feb. 4; Gaz. vol. 132; p. 1065.
- Milligan, S. W., Newark, N. J. Sheet-metal pails. No. 71,475; Nov. 24; Gaz. vol. 137; p. 974.
- Mills Bros., San Francisco, Cal. Coffee. No. 71,581; Dec. 1; Gaz. vol. 137; p. 1233.
- Millville Manufacturing Company, Philadelphia, Pa. Dyed cotton piece goods. No. 71,831; Dec. 15; Gaz. vol. 137; p. 1706.
- Milton Bradley Co., Springfield, Mass. Tops. No. 68,863; May 5; Gaz. vol. 134; p. 251.
- Minard's Liniment Manufacturing Company, Framingham and Boston, Mass. Liniment. No. 67,620; Feb. 11; Gaz. vol. 132; p. 1315.
- Miner, W. H., Chicago, Ill., and Chazy, N. Y. Ham, bacon, and sausages. No. 68,442; Apr. 7; Gaz. vol. 133; p. 1430.
- Miner, W. H., Chicago, Ill., and Chazy, N. Y. Maple-syrup and maple-sugar. No. 68,850; Apr. 28; Gaz. vol. 133; p. 2177.
- Miner, W. H., Chazy, N. Y. Butter, cheese, milk, and cream. No. 68,692; Apr. 21; Gaz. vol. 133; p. 1932.
- Miner, W. H., Chazy, N. Y. Poultry, chickens, ducks, turkeys, and eggs. No. 68,693; Apr. 21; Gaz. vol. 133; p. 1932.
- Minneapolis Brewing Company, Minneapolis, Minn. Beer. No. 68,247; Mar. 17; Gaz. vol. 133; p. 758.
- Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Paints. No. 70,894; Oct. 13; Gaz. vol. 136; p. 1528.
- Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Linseed-oil. No. 70,895; Oct. 13; Gaz. vol. 136; p. 1528.
- Minot Flour Mill Co., Minot, N. D. Flour made from wheat. No. 66,929; Jan. 7; Gaz. vol. 132; p. 226.
- Minto Bros., Toronto, Ontario, Canada. Blend of Ceylon and Himalayan tea. No. 71,307; Nov. 17; Gaz. vol. 137; p. 728.
- Minton Company, Inc., Rochester, N. Y. Hose-supporters and garters. No. 67,939; Feb. 25; Gaz. vol. 132; p. 1833.
- Mintons Limited, Stoke-upon-Trent, England. China, earthenware, and all kinds of pottery. No. 69,680; June 30; Gaz. vol. 134; p. 2239.
- Mires Fuel-Oil Equipment Company. (See Scrimgeour, W., Jr., assignor.)
- Mislaj, A., New York, N. Y. Certain cosmetic preparations. No. 67,973; Mar. 3; Gaz. vol. 133; p. 223.
- Missouri Glass Company, St. Louis, Mo. Serial catalogue. No. 70,763; Sept. 29; Gaz. vol. 136; p. 1064.
- Missouri Valley Milling Company, Mandan, N. D. Wheat-flour. No. 71,029; Oct. 27; Gaz. vol. 136; p. 1995.
- Mitchell, D. C., Gasport, N. Y. Card game. No. 69,166; May 26; Gaz. vol. 134; p. 1045.
- Mitchell, W. S., Little Rock, Ark. Printed blank forms. No. 68,341; Mar. 31; Gaz. vol. 133; p. 1183.
- Mittag & Volger, Incorporated, Park Ridge, N. J. Carbon-paper and type-writer ribbons. No. 71,447; Nov. 24; Gaz. vol. 137; p. 973.
- Mme. Irene, New York, N. Y. Corsets. No. 69,732; June 30; Gaz. vol. 134; p. 2241.
- Model Heating Company, Philadelphia, Pa. Hot-water heaters and steam-boilers for heating purposes. No. 67,648; Feb. 11; Gaz. vol. 132; p. 1316.
- Modoc Company, Chester, Pa. Liquid car-cleaners. No. 67,789; Feb. 18; Gaz. vol. 132; p. 1581.
- Moffett, C. J., deceased; M. Gardner, executrix, St. Louis, Mo. Teething-powders. No. 68,118; Mar. 10; Gaz. vol. 133; p. 508.
- Moffitt, S., New York, N. Y. Tonic preparation in the form of a pill. No. 69,137; May 19; Gaz. vol. 134; p. 772.
- Mohawk Condensed Milk Co., Rochester, N. Y. Condensed milk. No. 71,394; Nov. 24; Gaz. vol. 137; p. 972.
- Mohawk Condensed Milk Co., Rochester, N. Y. Condensed milk. No. 71,531; Dec. 1; Gaz. vol. 137; p. 1232.
- Mole, H., Pottstown, Pa. Remedy for whooping-cough and all colds. No. 67,913; Feb. 25; Gaz. vol. 132; p. 1832.
- Möller, A., Manchester, England. Liquid preparations, ointments, and powders for the complexion. No. 71,650; Dec. 8; Gaz. vol. 137; p. 1478.
- Molloy, E., St. Louis, Mo. Certain medicine. No. 67,592; Feb. 11; Gaz. vol. 132; p. 1314.
- Mona Manufacturing Co., Boston, Mass. Certain clothing. No. 67,720; Feb. 18; Gaz. vol. 132; p. 1579.
- Mona Manufacturing Company, Boston, Mass. Textile shoe-linings. No. 68,694; Apr. 21; Gaz. vol. 133; p. 1932.
- Monarch Manufacturing Company, Council Bluffs, Iowa, and Toledo, Ohio. Axle-grease. No. 71,549; Dec. 1; Gaz. vol. 137; p. 1232.
- Monarch Suspender Co., New York, N. Y. Suspenders, garters, and wearing-belts of leather and cloth. No. 70,538; Sept. 8; Gaz. vol. 136; p. 434.
- Monarch Tile Co., Weston, W. Va. Glass tiles. Nos. 68,017-18; Mar. 3; Gaz. vol. 133; p. 224.
- Mond Nickel Company, Limited, Westminster, England. Copper sulfate. No. 67,694; Feb. 18; Gaz. vol. 132; p. 1579.
- Monitor Manufacturing Company of Baltimore City, Baltimore, Md. Switching and controlling devices for electric circuits. No. 69,394; June 9; Gaz. vol. 134; p. 1559.
- Monmouthshire Steel and Tinplate Company Limited, Pontymister, near Newport, Wales, England. Galvanized iron and steel sheeting. No. 67,262; Jan. 28; Gaz. vol. 132; p. 836.
- Monroe Bros. & Co., Philadelphia, Pa. Leather boots and shoes. No. 68,312; Mar. 24; Gaz. vol. 133; p. 987.
- Monroe Cotton Mills, Monroe, N. C. Bleached and unbleached sheetings. No. 71,555; Dec. 1; Gaz. vol. 137; p. 1232.
- Montbarbon, P. C. M., Paris, France. Eye-protectors. No. 67,480; Feb. 4; Gaz. vol. 132; p. 1067.
- Montevideo Roller Mill Company, Montevideo, Minn. Certain cereal foods. No. 68,498; Apr. 14; Gaz. vol. 133; p. 1673.
- Montevideo Roller Mill Company, Montevideo, Minn. Wheat-flour. No. 69,279; June 2; Gaz. vol. 134; p. 1294.
- Montgomery Lumber Company, New York, N. Y. Sectional bookcases and filing-cabinets. No. 70,434; Sept. 1; Gaz. vol. 136; p. 222.
- Mooney Mueller Drug Company, Indianapolis, Ind. Castor-oil compound. No. 71,947; Dec. 22; Gaz. vol. 137; p. 1935.
- Moore & Handley Hardware Company, Birmingham, Ala. Certain tools and tool-handles. No. 68,728; Apr. 28; Gaz. vol. 133; p. 2173.
- Moore & Handley Hardware Company, Birmingham, Ala. Certain tools. No. 68,729; Apr. 28; Gaz. vol. 133; p. 2173.
- Moore & Handley Hardware Company, Birmingham, Ala. Certain cutlery. No. 68,730; Apr. 28; Gaz. vol. 133; p. 2173.
- Moore, W. B., St. Louis, Mo. Remedy for indigestion and diseases of the stomach. No. 67,601; Feb. 11; Gaz. vol. 132; p. 1314.
- Moos & Co., New York, N. Y. Certain foods. No. 67,128; Jan. 14; Gaz. vol. 132; p. 464.
- Moos & Co., New York, N. Y. Canned fish. No. 67,481; Feb. 4; Gaz. vol. 132; p. 1067.
- Morgan-Anderson Co., Toledo, Ohio. Ladies' and misses' shirt-waists. No. 70,186; Aug. 11; Gaz. vol. 135; p. 1357.
- Morgan-Gardner Electric Company, Chicago, Ill. Bits, links, chains, cutter-heads, and cutters for coal-cutting machines or mining-machines. No. 69,347; June 9; Gaz. vol. 134; p. 1557.
- Morgan & Wright, Detroit, Mich. Rubber-sheet machinery packing. No. 67,072; Jan. 14; Gaz. vol. 132; p. 462.
- Morgan & Wright, Detroit, Mich. Rubber wheel-tires. No. 67,069; Jan. 14; Gaz. vol. 132; p. 463.
- Moritz Kalmus & Neffen, New York, N. Y. Hair nets and rolls. No. 68,833; Apr. 28; Gaz. vol. 133; p. 2176.
- Moroney, J., deceased; J. E. Moroney, executor, Philadelphia, Pa. Cigars. No. 67,242; Jan. 28; Gaz. vol. 132; p. 835.
- Moroney, J. E., executor. (See Moroney, J.)
- Morris, A. W., Philadelphia, Pa. Boiler-cleaning compounds. No. 68,221; Mar. 17; Gaz. vol. 133; p. 757.
- Morris Chemical Co., Dallas, Tex. Rheumatic remedy. No. 66,907; Jan. 7; Gaz. vol. 132; p. 225.
- Morris, Mann & Reilly, Chicago, Ill. Ladies' belts. Nos. 69,522-3; June 16; Gaz. vol. 134; p. 1799.
- Morris, Mann & Reilly, Chicago, Ill. Ladies' belts and back combs. No. 72,005; Dec. 29; Gaz. vol. 137; p. 2213.
- Morris Pharmaceutical Company of New York, New York, N. Y. Liquid medicinal preparation. No. 68,112; Mar. 10; Gaz. vol. 133; p. 508.
- Morrison, R. C., New York, N. Y. Toilet soap. No. 69,848; July 14; Gaz. vol. 135; p. 445.
- Morse-Broughton Company, New York, N. Y. Monthly magazine. No. 67,837; Feb. 18; Gaz. vol. 132; p. 1583.
- Morse Broughton Company, New York, N. Y. Patterns for garments and wearing-apparel. No. 68,362; Mar. 31; Gaz. vol. 133; p. 1184.
- Morse, F. V., Canton, Mass. Certain lubricating materials. No. 65,073; Jan. 14; Gaz. vol. 132; p. 462.
- Morse, F. V., Canton, Mass. Black-lead, plumbago, graphite, and foundry-facings. No. 68,019; Mar. 3; Gaz. vol. 133; p. 224.

Alphabetical list of registrants of trade-marks—Continued.

- Morse, F. V., Canton, Mass. Prepared black-lead, plumbago or graphite, and foundry-facings. Nos. 68,588-92; Apr. 21; Gaz. vol. 133; p. 1929.
- Morse, F. V., Canton, Mass. Certain lubricants and lubricating material. No. 68,620; Apr. 21; Gaz. vol. 133; p. 1930.
- Morse, F. V., Canton, Mass. Certain lubricants and lubricating material. No. 68,752; Apr. 28; Gaz. vol. 133; p. 2174.
- Morse, H. H., Atlanta, Ga. Carbonated non-alcoholic beverage. No. 69,468; June 16; Gaz. vol. 134; p. 1798.
- Morse & Rogers, New York, N. Y. Leather boots, shoes, and slippers. No. 68,988; Jan. 7; Gaz. vol. 132; p. 227.
- Mortimer, D., Boston, Mass. Pills. No. 69,385; June 9; Gaz. vol. 134; p. 1558.
- Moseley & Motley Milling Co., Rochester, N. Y. Wheat-flour. Nos. 69,791-2; July 7; Gaz. vol. 135; p. 214.
- Moss, G. A., San Francisco, Cal. Gloves. No. 72,006; Dec. 29; Gaz. vol. 137; p. 2213.
- Mosse, Gebrüder, Berlin, Germany. Bed and table linen. No. 66,989; Jan. 7; Gaz. vol. 132; p. 227.
- Moster & Co., E., Zagreb, Austria-Hungary. Automatic lead-pencils. No. 70,661; Sept. 22; Gaz. vol. 136; p. 843.
- Mother Seigel's Syrup Co., New York, N. Y. Dyspepsia remedies. No. 71,448; Nov. 24; Gaz. vol. 137; p. 973.
- Mother Seigel's Syrup Co., New York, N. Y. Laxative pills. No. 71,449; Nov. 24; Gaz. vol. 137; p. 973.
- Mother Seigel's Syrup Co., New York, N. Y. Dyspepsia remedies. No. 71,310; Dec. 1; Gaz. vol. 137; p. 1231.
- Mother Seigel's Syrup Company, New York, N. Y. Laxative compounds. No. 68,539; Apr. 14; Gaz. vol. 133; p. 1675.
- Mother's Remedies Co., Chicago, Ill. Remedies for certain diseases. No. 71,172; Nov. 3; Gaz. vol. 137; p. 225.
- Moulthrop, R., Eufaula, Ala. Eye-water. No. 71,030; Oct. 27; Gaz. vol. 136; p. 1995.
- Mound City Paint & Color Company, St. Louis, Mo. Linseed-oil. No. 70,996; Oct. 20; Gaz. vol. 136; p. 1765.
- Mount Vernon Belting Company, Baltimore, Md. Stitched canvas machine-belt. No. 67,649; Feb. 11; Gaz. vol. 132; p. 1316.
- Mount Vernon-Woodberry Cotton Duck Company, Baltimore, Md. Cotton duck. No. 68,575; Apr. 14; Gaz. vol. 133; p. 1676.
- Mountain City Mill Co., Chattanooga, Tenn. Wheat-flour. No. 69,280; June 2; Gaz. vol. 134; p. 1294.
- Mueller, H. A., Chicago, Ill. Etched zinc plates. No. 68,767; Apr. 28; Gaz. vol. 133; p. 2174.
- Muenzenberger, F. R., New York, N. Y. Mechanical vibrators. No. 68,553; Apr. 14; Gaz. vol. 133; p. 1675.
- Mulconroy Company, Inc., Philadelphia, Pa. Piston-rod and machinery packing. No. 69,320; June 2; Gaz. vol. 134; p. 1295.
- Mulleker, P., Brooklyn, N. Y. Remedy for inflammatory diseases of the rectum. No. 69,281; June 2; Gaz. vol. 134; p. 1294.
- Mullen, J. I., Pittsburg, Pa. Cigars and cigarettes. No. 70,000; July 21; Gaz. vol. 135; p. 659.
- Müller, A., Strassburg, Germany. Peppermint tablets. No. 72,029; Dec. 29; Gaz. vol. 137; p. 2214.
- Mulroney Manufacturing Company, Fort Dodge, Iowa. Overalls, textile shirts, duck coats, jackets, and pants. No. 67,237; Jan. 28; Gaz. vol. 132; p. 835.
- Muncie Wheel & Jobbing Company, Muncie, Ind. Vehicle wheels and gears. No. 70,435; Sept. 1; Gaz. vol. 136; p. 221.
- Munson, M., Chicago, Ill. Motoring-hoods. No. 69,649; June 23; Gaz. vol. 134; p. 2025.
- Muralo Company, New Brighton, N. Y. Wall-coatings in dry powdered form. No. 70,959; Oct. 20; Gaz. vol. 136; p. 1764.
- Muralo Company, New York and New Brighton, N. Y. Calcimine. No. 70,997; Oct. 20; Gaz. vol. 136; p. 1765.
- Muralo Company, New York and New Brighton, N. Y. Oil-paint. No. 70,998; Oct. 20; Gaz. vol. 136; p. 1765.
- Murphey & Company, E. W., Hudson, N. Y. Press-board. No. 69,634; June 23; Gaz. vol. 134; p. 2025.
- Murphy Grant & Co., San Francisco, Cal. Outside shirts. No. 70,110; July 28; Gaz. vol. 135; p. 891.
- Murphy Grant & Co., San Francisco, Cal. Cotton piece goods. No. 70,190; Aug. 11; Gaz. vol. 135; p. 1357.
- Murphy Iron Works, Detroit, Mich. Furnace-brick. No. 70,259; Aug. 18; Gaz. vol. 135; p. 1577.
- Murray, A. B., Charleston, S. C. Rice, rice flour and meal. No. 71,783; Dec. 15; Gaz. vol. 137; p. 1705.
- Murray Shoe Co., Lynn, Mass. Women's leather and cloth boots, shoes, and slippers. No. 71,188; Nov. 10; Gaz. vol. 137; p. 469.
- Mustad & Søn, O., Christiania, Norway. Fish-hooks. No. 68,621; Apr. 21; Gaz. vol. 133; p. 1930.
- Mustad & Søn, O., Christiania, Norway. Hand sewing-needles, toilet-pins, and safety-pins. No. 70,662; Sept. 22; Gaz. vol. 136; p. 843.
- Mustad & Søn, O., Christiania, Norway. Fish-hooks. No. 70,704; Sept. 29; Gaz. vol. 136; p. 1063.
- Mutual Drug Company, Cleveland, Ohio. Cigars. No. 67,263; Jan. 28; Gaz. vol. 132; p. 836.
- Mutual Drug Company, Cleveland, Ohio. Laxative and cathartic medicines. No. 67,583; Feb. 11; Gaz. vol. 132; p. 1314.
- Mutual Union Brewing Company, Aliquippa, Pa. Beer, porter, and ale. No. 71,597; Dec. 1; Gaz. vol. 137; p. 1234.
- Myer & Co., T. J., Baltimore, Md. Canned fruits, vegetables, and oysters. No. 69,027; May 12; Gaz. vol. 134; p. 511.
- Myers, C. A., Chicago, Ill. Sewing-awls. No. 71,856; Dec. 15; Gaz. vol. 137; p. 1707.
- Mystic Wine of Life Co., Bristol, Tenn. Certain remedy. No. 68,443; Apr. 7; Gaz. vol. 133; p. 1430.
- N. Sauer Milling Company, Cherryvale, Kans. Wheat-flour. No. 69,282; June 2; Gaz. vol. 134; p. 1294.
- N. K. Fairbank Company, Chicago, Ill. Soap. No. 67,516; Feb. 4; Gaz. vol. 132; p. 1068.
- N. K. Fairbank Company, Chicago, Ill. Edible fats and oils. No. 69,362; June 9; Gaz. vol. 134; p. 1558.
- N-M-C-R Company, New York, N. Y. Ink-dividing bands. No. 67,872; Feb. 25; Gaz. vol. 132; p. 1831.
- N. P. Pratt Laboratory, Atlanta, Ga. Certain chemicals. No. 68,222; Mar. 17; Gaz. vol. 133; p. 757.
- N. Z. Graves Company, Philadelphia, Pa. Pigments mixed in oils. No. 70,318; Aug. 18; Gaz. vol. 135; p. 1579.
- N. Z. Graves Company, Philadelphia, Pa. Ready-mixed paints. No. 71,668; Dec. 8; Gaz. vol. 137; p. 1478.
- N. Z. Graves Company, Philadelphia, Pa. Cold-water paints. No. 71,784; Dec. 15; Gaz. vol. 137; p. 1705.
- Nahass, A., Boston, Mass. Belts, girdles, and sashes. No. 67,188; Jan. 21; Gaz. vol. 132; p. 674.
- Nahass, A., Boston, Mass. Neckties, cravats, scarfs, and neck-cloths. Nos. 71,308-9; Nov. 17; Gaz. vol. 137; p. 728.
- Napa Canning Co., San Francisco, Cal. Canned fruits and vegetables. No. 70,291; Aug. 18; Gaz. vol. 135; p. 1578.
- Narjot, E., Los Angeles, Cal. Face-cream, face-powder, and scalp-tonic. No. 68,622; Apr. 21; Gaz. vol. 133; p. 1930.
- Narrow Fabric Co., Wyomissing, Pa. Shoe-laces and corset-laces. No. 70,466; Sept. 1; Gaz. vol. 136; p. 222.
- Nash Hardware Co., Fort Worth, Tex. Water-coolers, ice-cream freezers, ice-boxes, and refrigerators. No. 71,598; Dec. 1; Gaz. vol. 137; p. 1234.
- Nathan Manufacturing Co., New York, N. Y. Steam-boiler injectors and boiler-feeders. No. 68,695; Apr. 21; Gaz. vol. 133; p. 1932.
- Nathan Manufacturing Company, New York, N. Y. Steam-boiler injectors and boiler-feeders. No. 69,774; July 7; Gaz. vol. 135; p. 213.
- Natick Underwear Company, Springfield, Mass. Foundations for lace and similar collars. No. 69,409; June 9; Gaz. vol. 134; p. 1559.
- National-Acme Mfg. Co., Cleveland, Ohio. Screw-machines and slotting-machines. No. 68,864; May 5; Gaz. vol. 134; p. 251.
- National Association of Stationary Engineers, Utica, N. Y., and Chicago, Ill. Magazines. No. 71,669; Dec. 8; Gaz. vol. 137; p. 1478.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit and crackers. Nos. 71,785-7; Dec. 15; Gaz. vol. 137; p. 1705.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuits. No. 71,969; Dec. 22; Gaz. vol. 137; p. 1935.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. Chewing-gums. No. 66,930; Jan. 7; Gaz. vol. 132; p. 226.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. Candies. No. 68,782; Apr. 28; Gaz. vol. 133; p. 2175.
- National Candy Company, St. Louis, Mo. Candies. No. 67,557; Feb. 11; Gaz. vol. 132; p. 1313.
- National Cartridge Company, Belleville, Ill. Cartridges and cartridge-shells. No. 70,815; Oct. 6; Gaz. vol. 136; p. 1294.
- National Condensed Milk Co., Chicago, Ill. Condensed milk. No. 70,211; Aug. 11; Gaz. vol. 135; p. 1358.
- National Condensed Milk Co., Chicago, Ill. Evaporated milk. No. 71,031; Oct. 27; Gaz. vol. 136; p. 1995.
- National Engineering Corporation, Washington, D. C.; Baltimore, Md., and Cleveland, Ohio. Telephonic appliances, apparatus, and parts thereof. No. 68,200; Mar. 10; Gaz. vol. 133; p. 510.
- National File & Tool Company, Philadelphia, Pa. Files. No. 69,669; June 30; Gaz. vol. 134; p. 2239.
- National Grocer Company, Chicago, Ill. Coffee. No. 69,186; May 26; Gaz. vol. 134; p. 1045.
- National Herb Company, Washington, D. C. Remedies for certain diseases. No. 69,592; June 23; Gaz. vol. 134; p. 2024.
- National India Rubber Co., Bristol, R. I. Rubber boots and shoes and rubber soles. No. 68,425; Apr. 7; Gaz. vol. 133; p. 1430.
- National India Rubber Co., Bristol, R. I. Tennis-shoes having rubber soles. No. 68,426; Apr. 7; Gaz. vol. 133; p. 1430.
- National India Rubber Co., Bristol, R. I. Rubber boots and shoes and rubber soles. No. 68,468; Apr. 7; Gaz. vol. 133; p. 1431.
- National India Rubber Co., Bristol, R. I. Rubber boots and shoes and rubber soles. No. 68,955; May 12; Gaz. vol. 134; p. 509.
- National India Rubber Co., Bristol, R. I. Certain electrical conductors. No. 69,395; June 9; Gaz. vol. 134; p. 1559.
- National India Rubber Co., Bristol, R. I. Rubber water-bottles and syringe-bags. No. 69,524; June 16; Gaz. vol. 134; p. 1799.
- National India Rubber Co., Bristol, R. I. Rubber buckets. No. 69,833; July 7; Gaz. vol. 135; p. 215.
- National India Rubber Co., Bristol, R. I. Insulated wire. Nos. 70,737-8; Sept. 29; Gaz. vol. 136; p. 1064.
- National India Rubber Company, Bristol, R. I. Rubber boots and shoes. No. 67,675; Feb. 11; Gaz. vol. 132; p. 1316.
- National Malleable Castings Company, Cleveland, Ohio. Railway-car castings. No. 69,187; May 26; Gaz. vol. 134; p. 1045.
- National Phonograph Company, West Orange, N. J. Phonographs and phonograph-horns, or amplifying devices. No. 69,914; July 14; Gaz. vol. 135; p. 447.
- National Powder Co., New York, N. Y. Dynamite. No. 71,087; Oct. 27; Gaz. vol. 136; p. 1997.
- National Remedy Co., New York, N. Y. Medicinal oil. Nos. 70,641-2; Sept. 22; Gaz. vol. 136; p. 843.
- National Shoemakers, Lewiston, Me. Cloth, rubber, and leather shoes. No. 70,663; Sept. 22; Gaz. vol. 136; p. 843.
- National Shoemakers, Lewiston, Me. Cloth, leather, and rubber shoes. No. 70,764; Sept. 29; Gaz. vol. 136; p. 1064.
- National Shoemakers, Lewiston, Me. Cloth, rubber, and leather shoes. Nos. 71,450-1; Nov. 24; Gaz. vol. 137; p. 973.
- National Shoemakers, Lewiston, Me. Cloth, leather, and rubber shoes. No. 71,832; Dec. 15; Gaz. vol. 137; p. 1706.
- National Sportsman (Inc.), Boston, Mass. Monthly magazines devoted to sports. No. 67,440; Feb. 4; Gaz. vol. 132; p. 1066.
- National Starch Co., New York, N. Y. Laundry starch. No. 71,511; Dec. 1; Gaz. vol. 137; p. 1231.

Alphabetical list of registrants of trade-marks—Continued.

- National Starch Co., Jersey City, N. J., and Oswego, N. Y. Corn-starch. No. 71,550; Dec. 1; Gaz. vol. 137; p. 1232.
 National Starch Co., Jersey City, N. J., and Oswego, N. Y. Laundry starch. No. 71,599; Dec. 1; Gaz. vol. 137; p. 1234.
 National Starch Company, Jersey City, N. J., and New York, N. Y. Laundry starch. No. 68,523; Apr. 14; Gaz. vol. 133; p. 1674.
 National Starch Company, Jersey City, N. J., and New York, N. Y. Corn-starch. No. 69,254; June 2; Gaz. vol. 134; p. 1293.
 National Starch Company, New York, N. Y. Corn-starch. No. 71,788; Dec. 15; Gaz. vol. 137; p. 1705.
 National Straw Pulp Co., New York, N. Y. Straw fiber or cellulose extracted from straw. No. 68,191; Mar. 10; Gaz. vol. 133; p. 510.
 National Sweeper Company, Newark, N. J. Carpet-sweepers. No. 68,396; Apr. 7; Gaz. vol. 133; p. 1429.
 National Washboard Company. (See American Washboard Company, assignor.)
 National Wood-Vulcanizing Company, New York, N. Y. Vulcanized lumber. No. 71,211; Nov. 10; Gaz. vol. 137; p. 470.
 Naumburg & Co., M. & W., New York, N. Y. Men's overcoats. No. 70,138; Aug. 4; Gaz. vol. 135; p. 1117.
 Naumburg & Co., M. & W., New York, N. Y. Men's overcoats. No. 70,467; Sept. 1; Gaz. vol. 136; p. 222.
 Nave-McCord Mercantile Company, St. Joseph, Mo. Canned fruits and canned vegetables, apple-butter, bottled tomato-catsup, and mince-meat. No. 70,960; Oct. 20; Gaz. vol. 136; p. 1764.
 Nazareth Waist Co., Nazareth, Pa., and New York, N. Y. "Union suits," undershirts, and underdrawers. No. 71,532; Dec. 1; Gaz. vol. 137; p. 1232.
 Nebraska Live Stock Remedy Company, Fremont, Nebr. Remedies for the ailments of live stock. No. 70,643; Sept. 22; Gaz. vol. 136; p. 843.
 Nebraska Mercantile Company, Grand Island and St. Paul, Nebr. Certain cereal foods. No. 67,532; Feb. 4; Gaz. vol. 132; p. 1069.
 Neff, R. W., Boston, Mass. Starch size for textile manufactures. Nos. 68,710-11; Apr. 28; Gaz. vol. 133; p. 2173.
 Nellis, M. C., New York, N. Y. Canned, bottled, and preserved fruits and vegetables. No. 67,517; Feb. 4; Gaz. vol. 132; p. 1068.
 Nelsen, C. T., Chicago, Ill. Certain medicine. No. 66,908; Jan. 7; Gaz. vol. 132; p. 225.
 Nesbitt, R. R., Pennington Gap, Va. Ointment. No. 69,525; June 16; Gaz. vol. 134; p. 1797.
 Nestlé & Anglo-Swiss Condensed Milk Co., Cham, Switzerland. Coffee with milk. No. 67,164; Jan. 21; Gaz. vol. 132; p. 674.
 Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland, and London, England. Condensed milk. Nos. 69,321-2; June 2; Gaz. vol. 134; p. 1295.
 Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland, and London, England. Unsweetened condensed milk. No. 70,001; July 21; Gaz. vol. 135; p. 659.
 Netro Chemical Co., Johnstown, Pa. Stock and poultry tonic. No. 68,444; Apr. 7; Gaz. vol. 133; p. 1430.
 Neuburg, I., New York, N. Y. Post-cards. No. 69,670; June 30; Gaz. vol. 134; p. 2239.
 Neuman & Schwiers Co., New York, N. Y. Sardines. No. 70,961; Oct. 20; Gaz. vol. 136; p. 1764.
 Neuman & Schwiers Co., New York, N. Y. Certain foods. No. 71,817; Dec. 15; Gaz. vol. 137; p. 1706.
 Neunsinger, C., Baltimore, Md. Carbonated beer free of alcohol. No. 67,914; Feb. 25; Gaz. vol. 132; p. 1833.
 Neuss, Hesselin & Co., New York, N. Y. Woven cotton plaids. No. 69,410; June 9; Gaz. vol. 134; p. 1559.
 Neuss, Hesselin & Co., New York, N. Y. Printed cotton piece goods. Nos. 71,452-3; Nov. 24; Gaz. vol. 137; p. 973.
 Nevada Milling Co., Nevada, Mo. Wheat-flour. No. 67,569; Feb. 11; Gaz. vol. 132; p. 1313.
 New Broom Company, Grand Island, Nebr., and Chicago, Ill. Whisks, brooms, brushes, and warehouse-brooms. Nos. 70,506-7; Sept. 8; Gaz. vol. 136; pp. 433-4.
 New Brunswick Rubber Company, New Brunswick, N. J. Rubber boots and shoes. No. 67,469; Feb. 4; Gaz. vol. 132; p. 1067.
 New England Biscuit Co., Worcester, Mass. Lunch biscuits and crackers. No. 69,240; May 26; Gaz. vol. 134; p. 1047.
 New England Biscuit Co., Worcester, Mass. Cookies. No. 69,469; June 16; Gaz. vol. 134; p. 1798.
 New England Confectionery Co., Portland, Me., and Boston, Mass. Chocolates and chocolate bonbons. No. 67,501; Feb. 4; Gaz. vol. 132; p. 1068.
 New England Confectionery Co., Portland, Me., and Boston, Mass. Chocolate candies. Nos. 70,260-3; Aug. 18; Gaz. vol. 135; p. 1577.
 New Fiction Library, New York, N. Y. Books of fiction. No. 70,606; Sept. 15; Gaz. vol. 136; p. 654.
 New Health Food Company, Bridgeport, Conn. Crackers. No. 69,690; June 30; Gaz. vol. 134; p. 2240.
 New Illinois Athletic Club, Chicago, Ill. Cigars. No. 70,023; July 21; Gaz. vol. 135; p. 659.
 New Jersey Asbestos Company, Camden, N. J. Asbestos packing. No. 71,237; Nov. 10; Gaz. vol. 137; p. 470.
 New Jersey Car Spring & Rubber Co., Jersey City, N. J. Machinery belting. No. 71,476; Nov. 24; Gaz. vol. 137; p. 974.
 New Jersey Car Spring & Rubber Co., Jersey City, N. J. Rubber packing. No. 71,670; Dec. 8; Gaz. vol. 137; p. 1478.
 New Jersey Steel Co., Rahway, N. J. Steel castings. No. 70,816; Oct. 6; Gaz. vol. 136; p. 1294.
 New Miraculum Corporation Ltd., Melbourne, Victoria, Australia. Preparation for automatically stopping punctures in rubber tires. No. 67,584; Feb. 11; Gaz. vol. 132; p. 1314.
 New Orleans Roofing & Metal Works, New Orleans, La. Rubber roofing. No. 70,264; Aug. 18; Gaz. vol. 135; p. 1577.
 New South Brewery & Ice Co., Middlesboro, Ky. Beer. No. 67,191; Jan. 21; Gaz. vol. 132; p. 674.
 New South Brewery & Ice Co., Middlesboro, Ky. Medicinal malt extracts. No. 67,192; Jan. 21; Gaz. vol. 132; p. 674.
 "New Way" Motor Company, Lansing, Mich. Stationary and marine internal-combustion engines. No. 68,206; Mar. 17; Gaz. vol. 133; p. 757.
 New York Belting and Packing Company, Ltd., New York, N. Y. Certain machinery packing. No. 67,214; Jan. 21; Gaz. vol. 132; p. 675.
 New York Belting and Packing Company, Ltd., New York, N. Y. Machinery packing. No. 67,338; Jan. 28; Gaz. vol. 132; p. 838.
 New York Butchers Dressed Meat Company, New York, N. Y. Animal oil used in foods. No. 68,152; Mar. 10; Gaz. vol. 133; p. 509.
 New York Coal Company, Augusta, Me., and Columbus, Ohio. Coal. No. 71,512; Dec. 1; Gaz. vol. 137; p. 1231.
 New York and Kentucky Co., Rochester, N. Y. Distilled dry gin. No. 71,533; Dec. 1; Gaz. vol. 137; p. 1232.
 New York and London Drug Co., New York, N. Y. Remedies for venereal diseases. No. 67,419; Feb. 4; Gaz. vol. 132; p. 1066.
 New York Quinine & Chemical Works Limited, New York, N. Y. Certain chemicals. No. 68,898; May 5; Gaz. vol. 134; p. 252.
 New York Stamping Company, New York, N. Y. Curry-combs. No. 69,913; July 14; Gaz. vol. 135; p. 447.
 New York Taxi-Cab Company, New York, N. Y. Motor-cabs. No. 67,700; Feb. 18; Gaz. vol. 132; p. 1579.
 Newell, F. F., Burlington, Wis. Certain medicines and pharmaceutical preparations. No. 67,765; Feb. 18; Gaz. vol. 132; p. 1581.
 Newman, A. M., Denver, Colo. Hoof-oil. No. 69,216; May 26; Gaz. vol. 134; p. 1046.
 Newman, C., New York, N. Y. Steel music-wire. No. 72,007; Dec. 29; Gaz. vol. 137; p. 2213.
 Newman Clock Company, Chicago, Ill. Time-recording clocks and dials therefor. No. 68,397; Apr. 7; Gaz. vol. 133; p. 1426.
 Newman, L., New York, N. Y. Knitted sweaters and knitted bathing-suits. No. 67,533; Feb. 4; Gaz. vol. 132; p. 1069.
 Newman & Sons, I., New Haven, Conn. Corsets. Nos. 67,189-90; Jan. 21; Gaz. vol. 132; p. 674.
 Niagara Falls Milling Company, Niagara Falls and Buffalo, N. Y. Wheat-flour. No. 69,941; July 21; Gaz. vol. 135; p. 657.
 Nichols, H. E., St. Louis, Mo. Certain preparations for the hair. No. 69,492; June 16; Gaz. vol. 134; p. 1799.
 Nicholson File Company, Providence, R. I. Files. No. 71,833; Dec. 15; Gaz. vol. 137; p. 1706.
 Nicklas, J. D., Chicago, Ill. Engine-cords. No. 69,309; June 2; Gaz. vol. 134; p. 1294.
 Nicotine Golf Ball Company, Chicago, Ill. Golf-balls. No. 69,310; June 2; Gaz. vol. 134; p. 1294.
 Niemann, A. H., Norfolk, Va. Certain remedy. No. 67,420; Feb. 4; Gaz. vol. 132; p. 1066.
 Nigro, N., Dallas, Tex. Certain foods. No. 69,458; June 16; Gaz. vol. 134; p. 1798.
 Niminger & Frantz, Daleville, Va. Canned vegetables. No. 70,207; Aug. 11; Gaz. vol. 135; p. 1358.
 Nitedals Tændstikfabrik, Østre Aker, near Christiania, Norway. Matches. No. 67,873; Feb. 25; Gaz. vol. 132; p. 1831.
 Nitedals Tændstikfabrik, Østre Aker, near Christiania, Norway. Matches. No. 68,000; Mar. 3; Gaz. vol. 133; p. 224.
 Nitedals Tændstikfabrik, Grønvald, near Christiania, Norway. Safety-matches. No. 71,600; Dec. 1; Gaz. vol. 137; p. 1234.
 Nitrox Chemical Company, St. Louis, Mo. Nitro-oxidizing agent. No. 68,113; Mar. 10; Gaz. vol. 133; p. 508.
 Nitz, A., New York, N. Y. Remedy for certain diseases. No. 69,563; June 23; Gaz. vol. 134; p. 2023.
 Noble, B. E., New York, N. Y., assignor to Theodore H. Davies & Co., Limited, Honolulu, Hawaii. Denims. No. 68,469; Apr. 7; Gaz. vol. 133; p. 1431.
 Noilly Prat & Cie., Marseille, France. Vermuth. No. 68,783; Apr. 28; Gaz. vol. 133; p. 2175.
 Nonotuck Silk Company, Northampton, Mass. Silk, cotton, and flax thread. No. 68,371; Mar. 31; Gaz. vol. 133; p. 1184.
 Nonotuck Silk Company, Northampton, Mass. Silk, cotton, and flax thread. No. 68,427; Apr. 7; Gaz. vol. 133; p. 1430.
 Norcross Company, Cleveland, Ohio. Sinks made of natural stone. No. 67,401; Feb. 4; Gaz. vol. 132; p. 1065.
 Norddeutsche Wollkammerel & Kammgarnspinnerei, Bremen and Delmenhorst, Germany. Yarns. No. 69,446; June 16; Gaz. vol. 134; p. 1797.
 Norris, J. O., Baltimore, Md. Wheat-flour. No. 68,917; May 5; Gaz. vol. 134; p. 252.
 North Alaska Salmon Co., San Francisco, Cal. Canned salmon. Nos. 69,849-57; July 14; Gaz. vol. 135; p. 445.
 North Alaska Salmon Co., San Francisco, Cal. Canned salmon. No. 69,893; July 14; Gaz. vol. 135; p. 446.
 North Alaska Salmon Co., San Francisco, Cal. Canned salmon. No. 69,981; July 21; Gaz. vol. 135; p. 658.
 North American Construction Company, Kansas City, Mo. Portland cement. No. 69,455; June 16; Gaz. vol. 134; p. 1798.
 North Coast Dry Kiln Co., Seattle, Wash. Certain hoisting machinery. No. 69,546; June 16; Gaz. vol. 134; p. 1800.
 North-East Coal Company, Ashland and Paintsville, Ky., and Wilkes-Barre, Pa. Splint coal. No. 70,179; Aug. 11; Gaz. vol. 135; p. 1357.
 North & Judd Manufacturing Company, New Britain, Conn. Certain harness parts. No. 70,139; Aug. 4; Gaz. vol. 135; p. 1117.
 North Pacific Trading & Packing Co., San Francisco, Cal. Canned salmon. No. 69,775; July 7; Gaz. vol. 135; p. 213.

Alphabetical list of registrants of trade-marks—Continued.

- North Pacific Trading & Packing Co., San Francisco, Cal. Canned salmon. No. 70,739; Sept. 29; Gaz. vol. 136; p. 1064.
- North-West Mills Company, Winona, Minn. Molasses feed for stock. No. 69,101; May 19; Gaz. vol. 134; p. 771.
- Northern Refrigerator Company, Grand Rapids, Mich. Refrigerators. No. 71,948; Dec. 22; Gaz. vol. 137; p. 1935.
- Northwestern Casket Co., Minneapolis, Minn. Burial-caskets. No. 69,965; July 21; Gaz. vol. 135; p. 658.
- Northwestern Elevator & Mill Company, Mount Vernon, Ohio. Wheat-flour. No. 69,709; June 30; Gaz. vol. 134; p. 2240.
- Northwestern Fisheries Co., Seattle, Wash. Canned salmon. No. 70,208; Aug. 11; Gaz. vol. 135; p. 1358.
- Northwestern Fisheries Company, Seattle, Wash. Canned salmon. No. 67,482; Feb. 4; Gaz. vol. 132; p. 1067.
- Northwestern States Portland Cement Co., Mason City, Iowa. Portland cement. No. 70,578; Sept. 15; Gaz. vol. 136; p. 654.
- Norton Company, Worcester, Mass. Abrasive and polishing materials and articles made therefrom. No. 67,544; Feb. 11; Gaz. vol. 132; p. 1313.
- Norton & Curd Coffee Co., Louisville, Ky. Coffees. No. 67,055; Jan. 14; Gaz. vol. 132; p. 462.
- Norton Pratt Co., Memphis, Tenn. Cotton piece goods. No. 71,310; Nov. 17; Gaz. vol. 137; p. 728.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Auger-bits. No. 67,791; Feb. 18; Gaz. vol. 132; p. 1581.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Hammers. No. 67,792; Feb. 18; Gaz. vol. 123; p. 1581.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Axes, hatchets, cane-knives, and razors. No. 67,793; Feb. 18; Gaz. vol. 132; p. 1581.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Measuring-tapes. No. 67,794; Feb. 18; Gaz. vol. 132; p. 1581.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Dividers and squares. No. 67,795; Feb. 18; Gaz. vol. 132; p. 1581.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Certain cutlery and edge-tools. No. 67,796; Feb. 18; Gaz. vol. 132; p. 1581.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Scoops. No. 67,797; Feb. 18; Gaz. vol. 132; p. 1582.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Wrapping-paper. No. 67,838; Feb. 18; Gaz. vol. 132; p. 1583.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Lawn-mowers. No. 68,001; Mar. 3; Gaz. vol. 133; p. 224.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Certain cutlery and edge-tools. No. 68,010; Mar. 3; Gaz. vol. 133; p. 224.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Hammers. No. 68,011; Mar. 3; Gaz. vol. 133; p. 224.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Non-cutting pliers, non-cutting pincers, wrenches, and putty-knives. No. 68,012; Mar. 3; Gaz. vol. 133; p. 224.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Picks, grub-hoes, trowels, shovels, and spades. No. 68,013; Mar. 3; Gaz. vol. 133; p. 224.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Certain tools. No. 68,014; Mar. 3; Gaz. vol. 133; p. 224.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Ice-skates. No. 68,052; Mar. 3; Gaz. vol. 133; p. 225.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Shotguns. No. 68,123; Mar. 10; Gaz. vol. 133; p. 508.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Hoes. No. 69,776; July 7; Gaz. vol. 135; p. 213.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Buggy and team whips. No. 69,916; July 14; Gaz. vol. 135; p. 447.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Refrigerators. No. 70,705; Sept. 29; Gaz. vol. 136; p. 1063.
- Norvell-Shapleigh Hardware Company, St. Louis, Mo. Electric batteries. No. 70,913; Oct. 13; Gaz. vol. 136; p. 1529.
- Norwich Pharmacal Company, Norwich and New York, N. Y. Certain medicines. No. 67,983; Mar. 3; Gaz. vol. 133; p. 223.
- Novelty Incandescent Lamp Co., Emporium, Pa. Incandescent electric lamps. No. 70,914; Oct. 13; Gaz. vol. 136; p. 1529.
- Novelty Manufacturing Company, Waterbury, Conn. Metallic fixtures for bath-rooms and lavatories. No. 69,188; May 26; Gaz. vol. 134; p. 1045.
- Nussbaum & Hunold, New York, N. Y. Belt buckles and clasps. No. 70,265; Aug. 18; Gaz. vol. 135; p. 1577.
- Nye & Wait, Auburn, N. Y. Hand-woven rugs, portières, and cushion-covers. No. 67,650; Feb. 11; Gaz. vol. 132; p. 1316.
- O. F. Schmid Chemical Company, Jackson, Mich. Medicine for the treatment of gall-stone diseases. No. 70,226; Aug. 11; Gaz. vol. 135; p. 1588.
- O. F. Schmid Chemical Company, Jackson, Mich. Medicines for the treatment of certain diseases. No. 70,400; Aug. 25; Gaz. vol. 135; p. 1799.
- O. F. Schmid Chemical Company, Jackson, Mich. Antiseptic powders for external application. No. 71,627; Dec. 8; Gaz. vol. 137; p. 1477.
- O. K. Stove & Range Co., Louisville, Ky. Heating and cooking stoves and ranges. No. 69,013; May 12; Gaz. vol. 134; p. 511.
- O'Beirne, C. C., New York, N. Y. Disinfectants for waste-pipes and sewers. No. 72,071; Dec. 29; Gaz. vol. 137; p. 2215.
- O'Donohue Coffee Company, New York, N. Y. Coffee, tea, spices, pepper, and mustard. No. 71,534; Dec. 1; Gaz. vol. 137; p. 1232.
- O'Keefe, C. J., Salem, Mass. Leather boots and shoes. No. 70,334; Aug. 25; Gaz. vol. 135; p. 1797.
- O'Neil, H. M., New York, N. Y. Certain remedies. No. 68,899; May 5; Gaz. vol. 134; p. 252.
- Oakford & Fahnestock, Peoria, Ill. Coffee. No. 71,739; Dec. 15; Gaz. vol. 137; p. 1705.
- Oakley, W. F., Montclair, N. J. Pen-clips, pencil-clips, and paper-clips. No. 70,436; Sept. 1; Gaz. vol. 136; p. 221.
- Obernauer, H., Pittsburg, Pa. Stomach-bitters. No. 66,909; Jan. 7; Gaz. vol. 132; p. 225.
- Oeonee Knitting Mill, Waltham, S. C. Hosiery. No. 71,311; Nov. 17; Gaz. vol. 137; p. 728.
- Odorless Refrigerator Company, Chattanooga, Tenn. Refrigerators. No. 67,249; Jan. 28; Gaz. vol. 132; p. 835.
- Odorless Refrigerator Company, Chattanooga, Tenn. Refrigerators. No. 71,238; Nov. 10; Gaz. vol. 137; p. 470.
- Oelerich & Laux, Chicago, Ill. Molasses. No. 70,628; Sept. 15; Gaz. vol. 136; p. 655.
- Oesterreichische Dalmier-Motor-Gesellschaft mit beschränkter Haftung, Vienna, and Wiener-Neustadt, near Vienna, Austria-Hungary. Automobiles. No. 70,779; Sept. 29; Gaz. vol. 136; p. 1065.
- Ogilvie Flour Mills Company, Limited, Montreal, Quebec, Canada. Wheat-flour. No. 70,523; Sept. 8; Gaz. vol. 136; p. 434.
- Ogilvie Flour Mills Company, Limited, Montreal, Quebec, Canada. Wheat-flour. No. 70,962; Oct. 20; Gaz. vol. 136; p. 1764.
- Ohio Brass Company, Mansfield, Ohio. Certain electrical supplies. No. 68,192; Mar. 10; Gaz. vol. 133; p. 510.
- Ohio Brass Company, Mansfield, Ohio. Certain electrical supplies. No. 70,209; Aug. 11; Gaz. vol. 135; p. 1358.
- Ohio Brass and Iron Manufacturing Company, Cleveland, Ohio. Stop and waste cocks, basin-cocks, bath-cocks, and bib-cocks. No. 70,664; Sept. 22; Gaz. vol. 136; p. 843.
- Ohio Builders' Supply Company, Toledo, Ohio. Certain plaster and lime. No. 64,499; Apr. 14; Gaz. vol. 133; p. 1673.
- Ohio Dairy Co., Toledo, Ohio. Creamery-butter. No. 71,790; Dec. 15; Gaz. vol. 137; p. 1705.
- Ohio Malleable Iron Company, Columbus, Ohio. Miscellaneous castings. No. 70,665; Sept. 22; Gaz. vol. 136; p. 844.
- Ohio Mineral Water Company, New Brighton, Pa. Certain beverages. No. 72,049; Dec. 29; Gaz. vol. 137; p. 2215.
- Ohio Suspender Company, Mansfield, Ohio. Suspenders. No. 68,073; Mar. 3; Gaz. vol. 133; p. 226.
- Ohio Suspender Company, Mansfield, Ohio. Garters and arm-bands. No. 71,312; Nov. 17; Gaz. vol. 137; p. 728.
- Olax Remedy Company, Desplaines, Ill. Liniments. No. 67,362; Jan. 28; Gaz. vol. 132; p. 838.
- Old Kentucky Mfg. Co., Paducah, Ky. Certain medicine. No. 67,141; Jan. 21; Gaz. vol. 132; p. 673.
- Old Kentucky Mfg. Co., Paducah, Ky. Remedies for diseases of live stock, hogs, and poultry. No. 67,593; Feb. 11; Gaz. vol. 132; p. 1314.
- Oleshen Chemical Company, Wamego, Kans. Liquid remedy for certain diseases. No. 70,401; Aug. 25; Gaz. vol. 135; p. 1799.
- Oleshak, R. A., Uniontown, Pa. Pomade. No. 69,396; June 9; Gaz. vol. 134; p. 1559.
- Olive Hill Fire Brick Company, Olive Hill, Ky. Fire-brick. No. 67,638; Feb. 11; Gaz. vol. 132; p. 1315.
- Oliver Typewriter Company, Chicago, Ill. Carbon-paper and inking-ribbon. No. 71,671; Dec. 8; Gaz. vol. 137; p. 1478.
- Omo Manufacturing Company, Middletown, Conn. Dress-shields. No. 70,319; Aug. 18; Gaz. vol. 135; p. 1579.
- Oneida Community Limited, Oneida, N. Y. Chain swings. No. 69,671; June 30; Gaz. vol. 134; p. 2239.
- Oneida Community Ltd., Oneida and Niagara Falls, N. Y. Animal-traps. No. 68,999; May 12; Gaz. vol. 134; p. 510.
- Oneida County Canning Co., Limited, Verona, N. Y. Canned fruits and canned vegetables. Nos. 69,028-9; May 12; Gaz. vol. 134; p. 511.
- Opalite Tile Co., Monaca, Pa. Certain glassware. No. 70,706; Sept. 29; Gaz. vol. 136; p. 1063.
- Openhym & Sons, W., New York, N. Y. Velvet ribbons. No. 69,411; June 9; Gaz. vol. 134; p. 1559.
- Oppenheimer & Co., J., San Antonio, Tex. Canned fish and oysters. No. 68,883; May 5; Gaz. vol. 134; p. 251.
- Oppenheimer's Sons, L., Philadelphia, Pa. Suspenders. No. 71,313; Nov. 17; Gaz. vol. 137; p. 728.
- Orbon Stove and Range Co., Belleville, Ill. Stoves and ranges. No. 67,651; Feb. 11; Gaz. vol. 132; p. 1316.
- Orient Company Limited, London, England. Desiccated coconut. No. 71,901; Dec. 22; Gaz. vol. 137; p. 1934.
- Orient Spray Company, New York, N. Y. Disinfectants, deodorizers, and insecticides in liquid form. No. 68,351; Mar. 31; Gaz. vol. 133; p. 1184.
- Orrit Actiengesellschaft, Köln-Braunsfeld, Germany. Certain precious-metal ware. Nos. 68,820-1; Apr. 28; Gaz. vol. 133; p. 2176.
- Orv Bros., Clay Center, Neb. Wheat-flour. No. 71,791; Dec. 15; Gaz. vol. 137; p. 1705.
- Osborn & Co., S., assignor to Samuel Osborn & Co. Limited, Sheffield, England. Cutlery in general, and other hand-tools having a cutting edge. No. 67,874; Feb. 25; Gaz. vol. 132; p. 1831.
- Osborn & Co., S., assignor to Samuel Osborn & Co. Limited, Sheffield, England. Steel and iron. No. 67,875; Feb. 25; Gaz. vol. 132; p. 1831.
- Osborn & Co., S., assignor to Samuel Osborn & Co., Limited, Sheffield, England. Steel and partly-wrought castings. No. 68,482; Apr. 14; Gaz. vol. 133; p. 1673.
- Osborn & Co., S., assignor to Samuel Osborn & Co., Limited, Sheffield, England. Certain cutting-tools. No. 69,486; June 16; Gaz. vol. 134; p. 1798.
- Osborn Mfg. Co., Cleveland, Ohio. Wire brushes. No. 67,602; Feb. 11; Gaz. vol. 132; p. 1314.
- Oscar Barnett Foundry Company, Newark, N. J. Clasp-knives. No. 69,447; June 16; Gaz. vol. 134; p. 1797.

Alphabetical list of registrants of trade-marks—Continued.

- Oscar & Co. Incorporated, Jersey City, N. J. Sauces. No. 69,459; June 16; Gaz. vol. 134; p. 1798.
- Oster Manufacturing Company, Cleveland, Ohio. Thread-cutting tools, machines, and devices. No. 70,024; July 21; Gaz. vol. 135; p. 659.
- Otomobil Hat Pin Company, New York, N. Y. Hat-pins. No. 69,921; July 14; Gaz. vol. 135; p. 447.
- Otto, O. M., Columbus, Ohio. Liquid remedy used internally. No. 70,846; Oct. 13; Gaz. vol. 136; p. 1527.
- Outdoor News Company, New York, N. Y. Monthly magazine. No. 67,839; Feb. 18; Gaz. vol. 132; p. 1583.
- Oval Wood Dish Co., Delta, Ohio. Wood dishes. No. 68,675; Apr. 21; Gaz. vol. 133; p. 1931.
- Overbrook Company, Philadelphia, Pa. Soap dressings for black shoes. No. 68,398; Apr. 7; Gaz. vol. 133; p. 1429.
- Overman & Schrader Cordage Co., Cincinnati, Ohio. Twines. No. 68,893; May 5; Gaz. vol. 134; p. 252.
- Oxford Linen Mills, Boston, Mass. Absorbent linen and gauze. No. 68,554; Apr. 14; Gaz. vol. 133; p. 1675.
- Ozark Medicine Company, Batesville, Ark. Remedy for rheumatism. No. 71,513; Dec. 1; Gaz. vol. 137; p. 1231.
- Ozo Company, Tiffin, Ohio. Hair-tonic, toilet water, and toilet cream. No. 68,911; May 5; Gaz. vol. 134; p. 252.
- P. L. Cusachs, Limited, New Orleans, La. Remedy for purifying the blood. No. 67,363; Jan. 28; Gaz. vol. 132; p. 838.
- P. Q. Medicine Co., St. Paul, Minn. Certain medicines. No. 69,894; July 14; Gaz. vol. 135; p. 446.
- Pacific Coast Borax Co., Oakland, Cal.; New York, N. Y., and Chicago, Ill. Certain chemicals. Nos. 68,524-5; Apr. 14; Gaz. vol. 133; p. 1674.
- Pacific Coast Syrup Co., San Francisco, Cal. Molasses. No. 70,335; Aug. 25; Gaz. vol. 135; p. 1797.
- Pacific Coast Syrup Co., San Francisco, Cal. Preserves and jellies. No. 70,524; Sept. 8; Gaz. vol. 136; p. 434.
- Pacific Coast Syrup Co., San Francisco, Cal. Honey. No. 70,525; Sept. 8; Gaz. vol. 136; p. 434.
- Pacific Coast Syrup Co., San Francisco, Cal. Blend of maple and white-sugar syrup. No. 70,526; Sept. 8; Gaz. vol. 136; p. 434.
- Pacific Coast Syrup Co., San Francisco, Cal. Compound of refiners' syrup and molasses. No. 71,395; Nov. 24; Gaz. vol. 137; p. 972.
- Pacific Milling Company, San Francisco, Cal. Cereal breakfast food. No. 69,635; June 23; Gaz. vol. 134; p. 2025.
- Pacific Milling Company Incorporated, San Francisco, Cal. Wheat-flakes. No. 67,923; Feb. 25; Gaz. vol. 132; p. 1833.
- Pacific Novelty Company, New York, N. Y. Ladies' hair-combs made of pyroxylin and metal. No. 67,676; Feb. 11; Gaz. vol. 132; p. 1316.
- Pacific Novelty Company, New York, N. Y. Ladies' hair-combs made of pyroxylin and metal. No. 69,412; June 9; Gaz. vol. 134; p. 1559.
- Pack, J. W., Berkeley, Cal. Mineral water obtained by condensing ocean-water. No. 72,050; Dec. 29; Gaz. vol. 137; p. 2215.
- Packard Electric Company, Warren, Ohio. Certain electrical supplies. No. 71,911; Dec. 22; Gaz. vol. 137; p. 1934.
- Pad O'Powder Inshu Co., Omaha, Nebr. Insoles. No. 68,696; Apr. 21; Gaz. vol. 133; p. 1932.
- Paddock & Fowler Company, New York, N. Y. Raisins. No. 67,056; Jan. 14; Gaz. vol. 132; p. 462.
- Page Milk Company, Ubliv, Mich. Evaporated and condensed milk. No. 68,753; Apr. 28; Gaz. vol. 133; p. 2174.
- Pahl & Co., E. R., Milwaukee, Wis. Pancake-flour. No. 70,909; Oct. 13; Gaz. vol. 136; p. 1529.
- Painters Products Company, Philadelphia, Pa. Substitute for turpentine. No. 70,897; Oct. 13; Gaz. vol. 136; p. 1528.
- Palace Clothing Company, Topeka, Kans. Boots and shoes of leather. No. 67,652; Feb. 11; Gaz. vol. 132; p. 1316.
- Palermo, M. A., Bellmore, N. Y. Salve. No. 68,623; Apr. 21; Gaz. vol. 133; p. 1930.
- Palmer, E., New York, N. Y., assignor to Solon Palmer. Perfumes and perfumed toilet powders. Nos. 68,912-13; May 5; Gaz. vol. 134; p. 252.
- Palmer, E., New York, N. Y., assignor to Solon Palmer. Perfumes and perfumed toilet powders. Nos. 68,956-8; May 12; Gaz. vol. 134; p. 509.
- Palmer, E., New York, N. Y., assignor to Solon Palmer. Perfumed toilet soap. No. 69,032; May 12; Gaz. vol. 134; p. 511.
- Palmer, E., New York, N. Y., assignor to Solon Palmer. Perfumes and perfumed toilet powders. No. 69,217; May 26; Gaz. vol. 134; p. 1046.
- Palmer, E., New York, N. Y., assignor to Solon Palmer. Certain toilet preparations. No. 69,613; June 23; Gaz. vol. 134; p. 2024.
- Palmer, G., New York, N. Y. Dyes. No. 70,666; Sept. 22; Gaz. vol. 136; p. 844.
- Palmer, H. N., New York, N. Y. Shirts, drawers, and union suits. No. 70,111; July 28; Gaz. vol. 135; p. 891.
- Palmer Piano Company, White Plains and New York, N. Y. Pianos. No. 68,526; Apr. 14; Gaz. vol. 133; p. 1674.
- Palmer Piano Company, White Plains and New York, N. Y. Pianos. No. 69,000; May 12; Gaz. vol. 134; p. 510.
- Palmer & Powell, Idlewild, Tenn. Ointment. No. 70,120; Aug. 4; Gaz. vol. 135; p. 1117.
- Palmer School and Infirmary of Chiropractic, Davenport, Iowa. Magazines, printed books, and printed essays pertaining to the science of chiropractic. No. 70,607; Sept. 15; Gaz. vol. 136; p. 655.
- Palmetto Chemical Co. Inc., Aiken, S. C. Remedy for certain diseases. No. 72,051; Dec. 29; Gaz. vol. 137; p. 2215.
- Palson, N. C., Kingston, Ontario, Canada, and Hartford, Conn. Remedy for certain diseases. No. 69,138; May 19; Gaz. vol. 134; p. 772.
- Pansy Compound Co., Crawfordsville, Ind. Laxative and remedy for constipation and all diseases of the alimentary canal. No. 71,628; Dec. 8; Gaz. vol. 137; p. 1477.
- Panton, W. E., New York, N. Y. Woven piece goods of silk, wool, and cotton. No. 68,470; Apr. 7; Gaz. vol. 133; p. 1431.
- Pape, Thompson & Pape, Cincinnati, Ohio. Certain medicinal preparations. No. 70,508; Sept. 8; Gaz. vol. 136; p. 434.
- Paraffine Paint Co., San Francisco, Cal. Certain waterproof material. No. 69,554; June 23; Gaz. vol. 134; p. 2023.
- Paragon Company, New York, N. Y. Night-shirts, pajamas, and smoking-jackets. No. 71,834; Dec. 15; Gaz. vol. 137; p. 1708.
- Paramount Knitting Company, Chicago, Ill. Hosiery. No. 69,087; May 19; Gaz. vol. 134; p. 770.
- Paris Novelty Co., Duluth, Minn. Whirling tops. No. 69,167; May 26; Gaz. vol. 134; p. 1045.
- Parisian Institute of Hair Culture & Facial Treatments, Stockton, Cal. Certain toilet preparations. No. 69,493; June 16; Gaz. vol. 134; p. 1799.
- Park Dental Supply Company, Ridgefield Park, N. J. Dental anesthetic. No. 69,231; May 26; Gaz. vol. 134; p. 1047.
- Parker Holmes & Company, Boston, Mass. Leather boots, shoes, and slippers. No. 68,844; Apr. 28; Gaz. vol. 133; p. 2176.
- Parker, J. H., Malden, Mass. Combination rubber and leather boots and shoes. No. 69,157; May 19; Gaz. vol. 134; p. 772.
- Parker Pen Company, Janesville, Wis. Fountain-pens. No. 71,551; Dec. 1; Gaz. vol. 137; p. 1232.
- Parodi, Erminio & Co., New York, N. Y. Italian olive-oil. No. 70,694; Sept. 22; Gaz. vol. 136; p. 844.
- Parr, J. S., Govanstown, Md. Non-alcoholic carbonated beverage and a concentrated syrup for making the same. No. 70,166; Aug. 4; Gaz. vol. 135; p. 1118.
- Parrish Brothers, Inc., Baltimore, Md. Tapioca. No. 70,266; Aug. 18; Gaz. vol. 135; p. 1577.
- Passavant & Co., New York, N. Y. Velvet ribbons. No. 70,191; Aug. 11; Gaz. vol. 135; p. 1357.
- Pastene & Co., P., Boston, Mass. Anchovies, tunny, sardines, sardelles, and moscardini. No. 67,272; Jan. 28; Gaz. vol. 132; p. 836.
- Pastene & Co., P., Boston, Mass. Peppers, artichokes, and dry mushrooms. No. 67,057; Jan. 14; Gaz. vol. 132; p. 462.
- Pastene & Co., P., Boston, Mass. Macaroni. No. 67,074; Jan. 14; Gaz. vol. 132; p. 463.
- Pasteur Vaccine Company. (See Deperdussin, H., assignor.)
- Patrick, F. A., Palestine, Tex. Remedy for diseases of the bowels. No. 67,032; Jan. 14; Gaz. vol. 132; p. 461.
- Patterson Gottfried & Hunter Ltd., New York, N. Y. Certain metals and metal manufactures. No. 68,970; May 12; Gaz. vol. 134; p. 510.
- Patterson Gottfried & Hunter Ltd., New York, N. Y. Certain machinery and parts thereof. No. 68,983; May 12; Gaz. vol. 134; p. 510.
- Patterson Medicine Co., Bullochville, Ga. Ointment. No. 69,895; July 14; Gaz. vol. 135; p. 446.
- Patterson-Sargent Company, Cleveland, Ohio. Paints, stains, enamels, lacs, varnishes, and fillers. No. 70,999; Oct. 20; Gaz. vol. 136; p. 1765.
- Patton Paint Company, Milwaukee, Wis. Substitute for turpentine. No. 68,074; Mar. 3; Gaz. vol. 133; p. 226.
- Paul Brothers, Philadelphia, Pa. Leather boots, shoes, and slippers. No. 70,468; Sept. 1; Gaz. vol. 136; p. 222.
- Pavón Alvarez & Co., Ciales, Porto Rico. Cigars. Nos. 71,609-11; Dec. 8; Gaz. vol. 137; p. 1477.
- Paw Paw Grape Juice Co. Ltd., Paw Paw, Mich. Grape-juice. No. 68,313; Mar. 24; Gaz. vol. 133; p. 987.
- Pax Manufacturing Company, Boston, Mass. Baby-comforters in the form of rubber nipples. No. 68,555; Apr. 14; Gaz. vol. 133; p. 1675.
- Payson Manufacturing Company, Chicago, Ill. Transom-lifters. No. 70,375; Aug. 25; Gaz. vol. 135; p. 1798.
- Pe Co Pop Co. of Baltimore City, Baltimore, Md. Certain confection. No. 69,710; June 30; Gaz. vol. 134; p. 2240.
- Pea Ridge Cantaloupe & Truck Growers Association, Fayetteville, Tenn. Cantaloupes. No. 69,014; May 12; Gaz. vol. 134; p. 511.
- Peabody Coal Company, Chicago, Ill. Coal. No. 68,020; Mar. 3; Gaz. vol. 133; p. 224.
- Peace, N. K., Sheffield, England. Certain machine-tools. No. 68,021; Mar. 3; Gaz. vol. 133; p. 224.
- Peach Pipe Company, Boston, Mass. Tobacco-pipes. No. 70,707; Sept. 29; Gaz. vol. 136; p. 1063.
- Pearl City Fruit Company, (Limited.) Pearl City and Honolulu, Hawaii. Canned pineapples. No. 67,502; Feb. 4; Gaz. vol. 132; p. 1068.
- Pearl Clay Products Company, Bradford, Pa. Bricks. No. 70,035; July 28; Gaz. vol. 135; p. 889.
- Pechin, W. J., Philadelphia, Pa. Toilet cream. No. 71,340; Nov. 17; Gaz. vol. 137; p. 729.
- Peck, Johnson Company, Grand Rapids, Mich. Blood-purifiers and medicinal tonics. No. 67,603; Feb. 11; Gaz. vol. 132; p. 1314.
- Peck Johnson Company, Grand Rapids, Mich. Blood-purifying and general tonic medicines. No. 70,382; Aug. 25; Gaz. vol. 135; p. 1798.
- Peed & Co., C. J., Baltimore, Md. Infants' and children's leather shoes. No. 69,564; June 23; Gaz. vol. 134; p. 2023.
- Peck, Freaux & Co., Limited, London, England. Biscuits. No. 71,902; Dec. 22; Gaz. vol. 137; p. 1934.
- Peek & Velsor, New York, N. Y. Remedies for asthma, catarrh, bronchitis, hay-fever, and colds. No. 71,212; Nov. 10; Gaz. vol. 137; p. 470.
- Peek, W. K., New York, N. Y. Tooth-powder, tooth-paste, or tooth-wash. No. 67,339; Jan. 28; Gaz. vol. 132; p. 838.
- Peek, W. K., New York, N. Y. Foot-powder. No. 68,296; Mar. 24; Gaz. vol. 133; p. 987.

Alphabetical list of registrants of trade-marks—Continued.

- Peek, W. K., New York, N. Y. Salve or ointment and an emollient. No. 68,624; Apr. 21; Gaz. vol. 133; p. 1930.
- Pelosi, L., Washingtonville, N. Y. Cordial composed of dilute alcohol, sugar, and fruit extract. No. 67,957; Feb. 25; Gaz. vol. 132; p. 1834.
- Pembroke, G. H., New Brunswick, N. J. Chewing-gum. No. 68,655; Apr. 21; Gaz. vol. 133; p. 1931.
- Penn-Carbon Manifold Company, New Brunswick, N. J. Carbon-paper and type-writer ribbons. No. 69,241; May 26; Gaz. vol. 134; p. 1047.
- Penberthy Injector Company, Detroit, Mich. Steam-boiler injector. No. 68,768; Apr. 28; Gaz. vol. 133; p. 2174.
- Penberthy Injector Company, Detroit, Mich. Steam-boiler injectors. No. 71,070; Oct. 27; Gaz. vol. 136; p. 1996.
- Penberthy Injector Company, Detroit, Mich. Lubricators and ejectors. No. 71,069; Oct. 27; Gaz. vol. 136; p. 1996.
- Penick & Ford (Ltd.), Shreveport and New Orleans, La. Molasses. Nos. 67,447-52; Feb. 4; Gaz. vol. 132; p. 1060.
- Penn-Allen Portland Cement Co., Allentown, Pa. Portland cement. No. 68,022; Mar. 3; Gaz. vol. 133; p. 224.
- Pennsylvania Chocolate Company, Pittsburg, Pa. Chocolate and candy. No. 69,015; May 12; Gaz. vol. 134; p. 511.
- Pennsylvania Coal & Supply Company, Milwaukee, Wis. Anthracite and bituminous coal. No. 70,054; July 28; Gaz. vol. 135; p. 889.
- Pennsylvania Rubber Company, Jeannette, Pa. Rubber rings and gaskets for caps of jars. No. 70,376; Aug. 25; Gaz. vol. 135; p. 1798.
- Pennsylvania Rubber Company, Jeannette, Pa. Rubber hose. No. 70,896; Oct. 13; Gaz. vol. 136; p. 1528.
- Peoples Brewing Co., Terre Haute, Ind. Beer. No. 68,428; Apr. 7; Gaz. vol. 133; p. 1430.
- Peoples Chemical Co., Inc., Providence, R. I. Medicinal tonic. No. 67,142; Jan. 21; Gaz. vol. 132; p. 673.
- Pepperell Manufacturing Co., Biddeford, Me. Bleached and unbleached cotton piece goods. Nos. 68,576-9; Apr. 14; Gaz. vol. 133; p. 1676.
- Pepperell Manufacturing Co., Biddeford, Me. Bleached and unbleached cotton piece goods. Nos. 68,697-701; Apr. 21; Gaz. vol. 133; p. 1932.
- Pepper's Sons, T., Ashland, Pa. Whisky. No. 67,840; Feb. 18; Gaz. vol. 132; p. 1583.
- Perey, J. F., New York, N. Y. Toy whistles. No. 71,396; Nov. 24; Gaz. vol. 137; p. 972.
- Perdue, W. J., Claremore, Okla. Mineral water. No. 68,500; Apr. 14; Gaz. vol. 133; p. 1673.
- Perfection Biscuit Company, Fort Wayne, Ind. Wafers, biscuits, crackers, cakes, and bread. No. 70,629; Sept. 15; Gaz. vol. 136; p. 655.
- Perlmutter, Jersey City, N. J. Kid gloves and ladies' and girls' cloaks. No. 68,053; Mar. 3; Gaz. vol. 133; p. 225.
- Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Electrical switches. No. 71,912; Dec. 22; Gaz. vol. 137; p. 1934.
- Perling Bros. & Milner, New York, N. Y. Piece goods composed of cotton, linen, wool, and silk. No. 70,292; Aug. 18; Gaz. vol. 135; p. 1578.
- Pernas, F., Cranford, N. J., and New York, N. Y. Collar and cuff buttons, chains, rings, and ear-rings. No. 70,293; Aug. 18; Gaz. vol. 135; p. 1578.
- Pernod, J., Avignon, France. Absinthe. No. 67,639; Feb. 11; Gaz. vol. 132; p. 1315.
- Perry Mason Company, Boston, Mass. Story papers and periodical magazines. No. 67,102; Jan. 14; Gaz. vol. 132; p. 463.
- Person's Sons, C., Buffalo, N. Y. Whisky. No. 68,164; Mar. 10; Gaz. vol. 133; p. 509.
- Perzinal-Poliermittel Gesellschaft mit beschränkter Haftung, Munich, Germany. Wood-polish. No. 68,399; Apr. 7; Gaz. vol. 133; p. 1429.
- Peter, A., St. Louis, Mo. Remedy for rheumatism. No. 69,614; June 23; Gaz. vol. 134; p. 2024.
- Peter Cooper's Glue Factory, New York, N. Y. Glue. Nos. 71,601-2; Dec. 1; Gaz. vol. 137; p. 1234.
- Peter Schoenhofen Brewing Company, Chicago, Ill. Malt beverage. Nos. 71,166-7; Nov. 3; Gaz. vol. 137; p. 225.
- Peter Stubs Limited, Warrington and Rotherham, England. Certain tools. Nos. 68,731-2; Apr. 28; Gaz. vol. 133; p. 2173.
- Peterman, W., New York, N. Y. Insecticides for destroying bedbugs. No. 70,243; Aug. 11; Gaz. vol. 135; p. 1358.
- Peterman, W., New York, N. Y. Insecticides used especially for destroying roaches, water-bugs, and beetles. No. 70,644; Sept. 22; Gaz. vol. 136; p. 843.
- Peters Cartridge Company, Cincinnati, Ohio. Certain ammunition. Nos. 68,207-10; Mar. 17; Gaz. vol. 133; p. 757.
- Peters, M. C., Omaha, Nebr. Stock food. No. 70,068; July 28; Gaz. vol. 135; p. 890.
- Peters, M. C., Omaha, Nebr. Poultry feed. No. 70,336; Aug. 25; Gaz. vol. 135; p. 1797.
- Peters, M. C., Omaha, Nebr. Stock food. No. 70,419; Aug. 25; Gaz. vol. 135; p. 1799.
- Peters, M. C., Omaha, Nebr. Ground hay or alfalfa-meal. No. 71,818; Dec. 15; Gaz. vol. 137; p. 1706.
- Pfaumann Egg Noodle Co., Cleveland, Ohio. Macaroni. No. 69,777; July 7; Gaz. vol. 135; p. 213.
- Pfeiffer & Diller G. m. b. H., Horeheim, Germany. Preparation to improve the color, aroma, and flavor of coffee. No. 68,656; Apr. 21; Gaz. vol. 133; p. 1931.
- Pfeifer, J. A., Detroit, Mich. Spectacles and eyeglasses. No. 67,518; Feb. 4; Gaz. vol. 132; p. 1068.
- Pienninger Pretzel & Baking Company, St. Louis, Mo. Pretzels. No. 69,565; June 23; Gaz. vol. 134; p. 2023.
- Pfister & Vogel Leather Company, Milwaukee, Wis. Uncut leathers for manufacturing purposes. Nos. 69,576-7; June 23; Gaz. vol. 134; p. 2023.
- Phalanx Silk Mill, Jersey City, N. J. Woven silk fabrics. No. 70,765; Sept. 29; Gaz. vol. 136; p. 1064.
- Phelps Brothers Company, New York, N. Y. Valves. No. 69,896; July 14; Gaz. vol. 135; p. 446.
- Phelps Brothers Company, New York, N. Y. Steam and hot-water boilers for heating purposes. No. 69,917; July 14; Gaz. vol. 135; p. 447.
- Phenix Lubricator Company, Chicago, Ill. Lubricator-pumps. No. 71,397; Nov. 24; Gaz. vol. 137; p. 972.
- Philadelphia Drying Machinery Company, Philadelphia, Pa. Certain compresses. No. 67,853; Feb. 25; Gaz. vol. 132; p. 1831.
- Philadelphia Drying Machinery Company, Philadelphia, Pa. Machinery for drying, cooling, ordering, or treating tobacco. No. 67,854; Feb. 25; Gaz. vol. 132; p. 1831.
- Philadelphia Drying Machinery Company, Philadelphia, Pa. Certain machinery. No. 67,855; Feb. 25; Gaz. vol. 132; p. 1831.
- Philadelphia Drying Machinery Company, Philadelphia, Pa. Certain drying machinery. No. 69,615; June 23; Gaz. vol. 134; p. 2024.
- Philbrick, E. E., Tallahassee, Fla. Remedy for certain diseases. No. 69,158; May 19; Gaz. vol. 134; p. 772.
- Philip Morris & Co., Ltd., New York, N. Y. Cigarettes. No. 67,264-66; Jan. 28; Gaz. vol. 132; p. 836.
- Philip Morris & Co., Ltd., New York, N. Y. Cigarettes. Nos. 68,501-4; Apr. 14; Gaz. vol. 133; p. 1674.
- Philip Morris & Co., Ltd., New York, N. Y. Cigarettes. No. 68,784; Apr. 28; Gaz. vol. 133; p. 2175.
- Philip Morris & Co., Ltd., New York, N. Y. Cigarettes. No. 69,429; June 16; Gaz. vol. 134; p. 1797.
- Philips Drug Company, Warren, Pa. Remedy for certain diseases. No. 70,898; Oct. 13; Gaz. vol. 136; p. 1528.
- Phoenix-American Pipe Works, Washington, Mo. Corn-cob pipes. No. 67,534; Feb. 4; Gaz. vol. 132; p. 1069.
- Phoenix Knitting Works, Milwaukee, Wis. Knitted mufflers. No. 68,971; May 12; Gaz. vol. 134; p. 510.
- Phos-Ferrone Manufacturing Co., St. Louis, Mo. Tonic beverages and syrup therefor. No. 67,100; Jan. 14; Gaz. vol. 132; p. 463.
- Physicians Chemical and Drug Company, Denver, Colo. Medicated plasters. No. 67,421; Feb. 4; Gaz. vol. 132; p. 1066.
- Physicians Chemical and Drug Company, Denver, Colo. Plasters for medical and surgical purposes. No. 68,455; Apr. 7; Gaz. vol. 133; p. 1431.
- Physicians Publishing Company, Boston, Mass. Treatises on medicines and supplements thereto. No. 67,340; Jan. 28; Gaz. vol. 132; p. 838.
- Pickens Mill, Pickens, S. C. Sheetings and drillings. No. 68,314; Mar. 24; Gaz. vol. 133; p. 987.
- Pickens Mill, Pickens, S. C. Sheetings and drillings. No. 69,526; June 16; Gaz. vol. 134; p. 1797.
- Piedmont Mfg. Co., Piedmont, S. C. Sheetings and drillings. No. 68,315; Mar. 24; Gaz. vol. 133; p. 988.
- Piel Bro's, Brooklyn, N. Y. Beer. No. 70,630; Sept. 15; Gaz. vol. 136; p. 655.
- Pienas, L., Rotterdam, Netherlands. Certain remedy. No. 68,248; Mar. 17; Gaz. vol. 133; p. 758.
- Pienas, L., Rotterdam, Netherlands. Remedy for certain diseases. No. 68,446; Apr. 7; Gaz. vol. 133; p. 1431.
- Pieper, Frederick J., Salt Lake City, Utah. Hair-tonic. No. 68,900; May 5; Gaz. vol. 134; p. 252.
- Pierce, Butler & Pierce Manufacturing Co., Syracuse, N. Y. Air-valves for radiators. No. 69,948; July 21; Gaz. vol. 135; p. 657.
- Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y. Steam and hot-water heaters. No. 72,072; Dec. 29; Gaz. vol. 137; p. 2215.
- Pierce, C. E., San Francisco, Cal. Popcorn candy. No. 71,556; Dec. 1; Gaz. vol. 137; p. 1232.
- Pierson, A. L., Galveston, Tex. Men's pants, overalls, and jumpers. No. 70,294; Aug. 18; Gaz. vol. 135; p. 1578.
- Pierson & Hough Co., Detroit, Mich. Harness, horse-collars, and saddles. No. 68,075; Mar. 3; Gaz. vol. 133; p. 226.
- Pike, W., Fresno, Cal. Raisins and dried fruits. No. 68,785; Apr. 28; Gaz. vol. 133; p. 2175.
- Pilling & Madeley, Inc., Philadelphia, Pa. Hosiery, undershirts, drawers, and union suits. No. 71,314; Nov. 17; Gaz. vol. 137; p. 728.
- Pinkerton-Gardiner, A. L., Los Angeles, Cal. Incubators and brooders. No. 68,363; Mar. 31; Gaz. vol. 133; p. 1184.
- Pioneer Boat & Pattern Co., Bay City, Mich. Boats and frames for boats. No. 70,579; Sept. 15; Gaz. vol. 136; p. 654.
- Pioneer Brass Works, Indianapolis, Ind. Cocks, valves, and hose-couplings. No. 72,008; Dec. 29; Gaz. vol. 137; p. 2213.
- Pittsburg-Buffalo Company, Pittsburg, Pa. Coal. No. 69,189; May 26; Gaz. vol. 134; p. 1045.
- Piver et Cie., L. T., Paris, France. Soaps. No. 69,430; June 16; Gaz. vol. 134; p. 1797.
- Piver et Cie., L. T., Paris, France. Soaps. No. 69,711; June 30; Gaz. vol. 134; p. 2240.
- Planters Manufacturing Co., Anniston and Oxford, Ala. Certain cordage. No. 69,950; July 21; Gaz. vol. 135; p. 657.
- Plume & Atwood Mfg. Co., Waterbury, Conn., and New York, N. Y. Safety-pins. No. 68,851; Apr. 28; Gaz. vol. 133; p. 2177.
- Plume & Atwood Mfg. Co., Waterbury, Conn., and New York, N. Y. Pins. No. 68,852; Apr. 28; Gaz. vol. 133; p. 2177.
- Plunkett, C., New York, N. Y. Brooms. No. 71,341; Nov. 17; Gaz. vol. 137; p. 729.

Alphabetical list of registrants of trade-marks—Continued.

- Pneumatic Rocker Tire Company, Denver, Colo. Pneumatic treads for rocking-chairs. No. 69,242; May 26; Gaz. vol. 134; p. 1047.
- Poehl, A. V., Lucka, near Leipzig, Germany. Prophylactic products derived from milk. No. 70,151; Aug. 4; Gaz. vol. 135; p. 1118.
- Poehl, A. V., Lucka, near Leipzig, Germany. Prophylactic products derived from milk. No. 70,267; Aug. 18; Gaz. vol. 135; p. 1577.
- Poehl, A. V., Lucka, near Leipzig, Germany. Medicinal product. No. 72,076; Dec. 29; Gaz. vol. 137; p. 2215.
- Polk and Calder Drug Company, Troy, N. Y. Washing-soda. No. 69,735; June 30; Gaz. vol. 134; p. 2241.
- Polson, N. C., Kingston, Ontario, Canada, and Hartford, Conn. Remedy for certain diseases. Nos. 69,494-5; June 16; Gaz. vol. 134; p. 1799.
- Polson, N. C., Kingston, Ontario, Canada, and Hartford, Conn. Remedy for certain diseases. No. 69,566; June 23; Gaz. vol. 134; p. 2023.
- Pompeian Company, Washington, D. C. General tonic, hair-tonic, liniment, and tooth-wash. No. 70,608; Sept. 15; Gaz. vol. 136; p. 655.
- Poonjiajee & Sons, M., Bombay, India. Chutney. No. 70,150; Aug. 4; Gaz. vol. 135; p. 1118.
- Porcelain Ice Cream Co., Philadelphia, Pa. Ice-cream. No. 70,055; July 28; Gaz. vol. 135; p. 889.
- Porcher, W. D., Charleston, S. C. Rice. No. 68,364; Mar. 31; Gaz. vol. 133; p. 1184.
- Porter, R., Neodesha, Kans. Breath-deodorants. No. 69,949; July 21; Gaz. vol. 135; p. 657.
- Portland-Cementfabrik "Germania" Aktiengesellschaft, Lehrte, near Hanover, Germany. Hydraulic cement. No. 69,243; May 26; Gaz. vol. 134; p. 1047.
- Portland Cementfabrik Hemmoor, Hamburg and Hemmoor-on-the-Oste, Germany. Portland cement. No. 69,124; May 19; Gaz. vol. 134; p. 771.
- Portland-Monson Slate Company, Portland, Me. Kitchen-sinks, laundry-tubs, and urinals of slate. No. 68,216; Mar. 17; Gaz. vol. 133; p. 757.
- Portland Stove Foundry Company, Portland, Me. Stoves, ranges, heaters, and furnaces. No. 69,016; May 12; Gaz. vol. 134; p. 511.
- Porzellanfabrik Ph. Rosenthal & Co. Aktiengesellschaft, Selb, Bavaria, Germany. Porcelain dishes for household use. No. 68,316; Mar. 24; Gaz. vol. 133; p. 988.
- Positive Lock Washer Company, Newark, N. J. Lock-washers. No. 70,025; July 21; Gaz. vol. 135; p. 659.
- Positive Lock Washer Company, Newark, N. J. Lock-washers. No. 70,706; Sept. 29; Gaz. vol. 136; p. 1064.
- Post, E., Philadelphia, Pa. Preparations for carbonated beverages. No. 70,026; July 21; Gaz. vol. 135; p. 659.
- Post & Lester Company, Hartford, Conn. Automobile-horns. No. 69,966; July 21; Gaz. vol. 135; p. 658.
- Post Publishing Company, Boston, Mass. Newspaper, published daily. No. 67,677; Feb. 11; Gaz. vol. 132; p. 1316.
- Post Publishing Company, Boston, Mass. Newspaper, published on Sunday. No. 67,678; Feb. 11; Gaz. vol. 132; p. 1316.
- Postum Cereal Co. Limited, Battle Creek, Mich. Cereal breakfast foods. No. 69,283; June 2; Gaz. vol. 134; p. 1294.
- Postum Cereal Co., Lim., Battle Creek, Mich. Cereal breakfast foods. No. 70,056; July 28; Gaz. vol. 135; p. 889.
- Postum Cereal Co. Limited, Battle Creek, Mich. Cereal preparation for making beverages. No. 71,262; Nov. 10; Gaz. vol. 137; p. 471.
- Potato Implement Co., Traverse City, Mich. Potato-planters, attachments therefor, and corn-planters. No. 68,931; May 5; Gaz. vol. 134; p. 253.
- Potter & Wrightington, Boston, Mass. Dog and puppy bread and crackers. No. 70,746; Sept. 29; Gaz. vol. 136; p. 1064.
- Potts Powder Company, Reynolds, Pa., and New York, N. Y. Gelatin dynamite. No. 68,556; Apr. 14; Gaz. vol. 133; p. 1675.
- Potts Powder Company, Reynolds, Pa., and New York, N. Y. Nitroglycerin dynamite. No. 68,557; Apr. 14; Gaz. vol. 133; p. 1675.
- Powell, F. H., Camden, N. J. Cigars. No. 70,800; Oct. 6; Gaz. vol. 135; p. 1293.
- Predmore, J. E., Kenton, Ohio. Remedy for certain diseases. No. 70,244; Aug. 11; Gaz. vol. 135; p. 1358.
- Prescott, J. O., New York, N. Y. Talking-machine records. No. 69,967; July 21; Gaz. vol. 135; p. 658.
- Pressed Radiator Company, Pittsburg, Pa. Sheet-metal radiators. No. 69,834; July 4; Gaz. vol. 135; p. 215.
- Pressed Steel Car Company, Pittsburg, Pa. Car-truck bolsters. No. 67,604; Feb. 11; Gaz. vol. 132; p. 1314.
- Preu, O., Trenton, N. J. Shoe cleaning and coloring preparation. No. 71,877; Dec. 22; Gaz. vol. 137; p. 1933.
- Price, E. F., Chicago, Ill. Certain alloys and alloying metals. No. 69,348; June 9; Gaz. vol. 134; p. 1557.
- Priestleys Limited, Bradford, England. Worsted, woolen, and silk piece goods and dress goods. No. 69,527; June 16; Gaz. vol. 134; p. 1797.
- Prince's Metallic Paint Co., Allentown, Pa. Dry metallic paints. No. 69,349; June 9; Gaz. vol. 134; p. 1557.
- Printz Biederman Co., Cleveland, Ohio. Certain clothing. No. 67,103; Jan. 14; Gaz. vol. 132; p. 463.
- Printz Biederman Co., Cleveland, Ohio. Certain clothing. No. 72,073; Dec. 29; Gaz. vol. 137; p. 2215.
- Procter & Gamble Company, Ivorydale, Ohio, and Kansas City, Kans. Soap. No. 66,990; Jan. 7; Gaz. vol. 132; p. 227.
- Procter & Gamble Company, Ivorydale and Cincinnati, Ohio; Kansas City, Kans., and Staten Island, N. Y. Soap for laundry use. Nos. 70,550-9; Sept. 15; Gaz. vol. 136; p. 653.
- Procter & Gamble Company, Ivorydale and Cincinnati, Ohio; Kansas City, Kans., and Staten Island, N. Y. Soap for laundry use. No. 70,580; Sept. 15; Gaz. vol. 136; p. 654.
- Procter & Gamble Company, Ivorydale, Ohio; Kansas City, Kans.; Staten Island, N. Y., and Cincinnati, Ohio. Soap for laundry use. Nos. 70,767-75; Sept. 29; Gaz. vol. 136; p. 1065.
- Procter & Gamble Company, Ivorydale and Cincinnati, Ohio; Kansas City, Kans., and Staten Island, N. Y. Soap for laundry use. Nos. 71,398-410; Nov. 24; Gaz. vol. 137; p. 972.
- Protal Company, New York, N. Y. Synthetically-prepared plastic composition. No. 69,858; July 14; Gaz. vol. 135; p. 445.
- Prudential Worsted Company, Philadelphia, Pa. Textile worsteds. No. 68,076; Mar. 3; Gaz. vol. 133; p. 226.
- Prym, W., Vienna, Austria-Hungary. Measuring-rules. No. 70,963; Oct. 20; Gaz. vol. 136; p. 1764.
- Puntenney & Eutsler, Columbus, Ohio. Certain musical instruments. No. 70,776; Sept. 29; Gaz. vol. 136; p. 1065.
- Puritol Chemical Co., Kansas City, Mo. Certain toilet preparations. No. 68,625; Apr. 21; Gaz. vol. 133; p. 1930.
- Purity Valley Wine Co., New Orleans, La. Certain wines. No. 70,491; Sept. 8; Gaz. vol. 136; p. 433.
- Quack, J., *et al.*, executors. (See Sandheger, C.)
- Quaker Oats Company, Jersey City, N. J.; Chicago, Ill.; Cedar Rapids, Iowa, and Akron, Ohio. Stock foods. Nos. 67,441-3; Feb. 4; Gaz. vol. 132; p. 1066.
- Quaker Oats Company, Jersey City, N. J., and Chicago, Ill. Certain cereal foods. Nos. 67,483-5; Feb. 4; Gaz. vol. 132; p. 1067.
- Quaker Oats Company, Chicago, Ill.; Cedar Rapids, Iowa, and Akron, Ohio. Stock food for animals. No. 70,268; Aug. 18; Gaz. vol. 135; p. 1577.
- Quinault Canning Co., Moclips, Wash. Minced clams. No. 72,074; Dec. 29; Gaz. vol. 137; p. 2215.
- Quinn, J. F., Cohoes, N. Y. Knitted waists. No. 68,317; Mar. 24; Gaz. vol. 133; p. 988.
- Quirk, J., Minneapolis, Minn. Wheat-flour. No. 69,244; May 26; Gaz. vol. 134; p. 1047.
- Quiri, E. A., Amsterdam, N. Y. Leather shoes. No. 67,503; Feb. 4; Gaz. vol. 132; p. 1068.
- R. Hudnut's Pharmacy, New York, N. Y. Talcum powder. No. 71,716; Dec. 15; Gaz. vol. 137; p. 1703.
- R. E. Dietz Company, New York, N. Y. Glass globes and chimneys for lamps and lanterns. No. 67,585; Feb. 11; Gaz. vol. 132; p. 1314.
- R. E. Dietz Company, New York, N. Y. Electric lamps. No. 70,741; Sept. 29; Gaz. vol. 136; p. 1064.
- R. E. Dietz Company, New York, N. Y. Headlights. No. 71,477; Nov. 24; Gaz. vol. 137; p. 974.
- R. E. Dietz Company, New York, N. Y. Gas-burning vehicle-lamps. No. 71,478; Nov. 24; Gaz. vol. 137; p. 974.
- R. E. Dietz Company, New York, N. Y. Oil-burning lamps. No. 71,479; Nov. 24; Gaz. vol. 137; p. 974.
- R. E. Dietz Company, New York, N. Y. Gas-burning vehicle-lamps. No. 71,480; Nov. 24; Gaz. vol. 137; p. 974.
- R. E. Dietz Company, New York, N. Y. Gas-headlights. No. 71,603; Dec. 1; Gaz. vol. 137; p. 1234.
- R & G Corset Company, New York, N. Y. Corsets. No. 68,193; Mar. 10; Gaz. vol. 133; p. 510.
- R. M. Rose Company, Chattanooga, Tenn. Blend of straight corn whiskies. No. 71,535; Dec. 1; Gaz. vol. 137; p. 1232.
- R. M. Rose Co., Chattanooga, Tenn. Blend of corn whisky. No. 71,835; Dec. 15; Gaz. vol. 137; p. 1706.
- R-N Leather Dressing Co., Saylesville, R. I. Leather-dressing. No. 67,637; Feb. 11; Gaz. vol. 132; p. 1315.
- R. N. O. (Restoring Nature's Own) Water Resistant Co., London, England. Waterproof dressing for leather, textiles, and other fabrics. No. 70,250; Aug. 18; Gaz. vol. 135; p. 1577.
- R. P. Smith & Sons Co., Chicago, Ill. Leather shoes. Nos. 67,383-86; Jan. 28; Gaz. vol. 132; p. 839.
- R. P. Smith & Sons Co., Chicago, Ill. Leather shoes. No. 70,964; Oct. 20; Gaz. vol. 136; p. 1764.
- R. T. French Company, Rochester, N. Y. Mustard. No. 67,193; Jan. 21; Gaz. vol. 132; p. 674.
- R. W. Sunasack Company, Chicago, Ill. Razor-strops. No. 71,411; Nov. 24; Gaz. vol. 137; p. 972.
- Racine and Company, J., New York, N. Y. Watches and watch-movements. No. 69,681; June 30; Gaz. vol. 134; p. 2239.
- Ragon Brothers, Evansville, Ind. Canned tomatoes. No. 69,111; May 19; Gaz. vol. 134; p. 771.
- Rail Joint Company, New York, N. Y. Electrical insulating material. Nos. 69,168-71; May 26; Gaz. vol. 134; p. 1045.
- Railroad Gazette, New York, N. Y. Periodical relating to railroads and allied subjects. No. 70,941; Oct. 20; Gaz. vol. 136; p. 1763.
- Railway Steel Spring Company, New York, N. Y. Certain railway supplies. No. 68,223; Mar. 17; Gaz. vol. 133; p. 757.
- Rainbow Dye Co., New York, N. Y. Dyes. No. 68,901; May 5; Gaz. vol. 134; p. 252.
- Rainbow Dye Co., New York, N. Y. Preparation for stripping or discharging color. No. 71,928; Dec. 22; Gaz. vol. 137; p. 1934.
- Ralston Purina Co., St. Louis, Mo. Wheat-flour. No. 67,504; Feb. 4; Gaz. vol. 132; p. 1068.
- Ramie Co. Limited, Manchester, Bredbury, and Marple Bridge, England. Mantles for incandescent gas-burners. No. 69,112; May 19; Gaz. vol. 134; p. 771.
- Ramsey, W. C., Hopedale, Ohio. Remedy for the alleviation of diseases peculiar to women. No. 69,578; June 23; Gaz. vol. 134; p. 2023.
- Raquet Fils & R. Vignes, P., Troyes, France. Certain knit goods. No. 67,117; Jan. 14; Gaz. vol. 132; p. 464.

Alphabetical list of registrants of trade-marks—Continued.

- Rasin-Monumental Company of Anne Arundel County, Baltimore, Md. Fertilizers. No. 67,118; Jan. 14; Gaz. vol. 132; p. 464.
 Rasin-Monumental Company of Anne Arundel County, Baltimore, Md. Fertilizers. No. 68,400; Apr. 7; Gaz. vol. 133; p. 1429.
 Rathenower Optische Industrie Anstalt vormals Emil Busch, A. G., Rathenow, Germany. Prismatic telescopes. No. 69,001; May 12; Gaz. vol. 134; p. 510.
 Rathenower Optische Industrie Anstalt vorm. Emil Busch, A. G., Rathenow, Germany. Certain optical goods. No. 71,156; Nov. 3; Gaz. vol. 137; p. 224.
 Ray, R., Kansas City, Mo. Remedy for certain diseases. No. 70,852; Oct. 13; Gaz. vol. 136; p. 1527.
 Raymond, J. C., New York, N. Y. Fruit beverages. No. 71,557; Dec. 1; Gaz. vol. 137; p. 1232.
 Raynor & Perkins Envelope Company, New York, N. Y. Paper and envelopes. No. 67,505; Feb. 4; Gaz. vol. 132; p. 1068.
 Rea-Patterson Milling Company, Coffeyville, Kans. Wheat-flour. No. 67,058; Jan. 14; Gaz. vol. 132; p. 462.
 Rea-Patterson Milling Company, Coffeyville, Kans. Wheat-flour. No. 69,968; July 21; Gaz. vol. 135; p. 658.
 Read Phosphate Company, Nashville, Tenn. Certain phosphate fertilizer. No. 68,457; Apr. 7; Gaz. vol. 133; p. 1431.
 Reading Stove Works, Orr Painter & Co., Reading, Pa. Stoves and stove parts. No. 68,174; Mar. 10; Gaz. vol. 133; p. 509.
 Reckitt & Sons, Limited, Hull, England. Metal-polish. No. 68,712; Apr. 28; Gaz. vol. 133; p. 2173.
 Reckitt & Sons Limited, Hull, England. Blue for laundry purposes. No. 69,593; June 23; Gaz. vol. 134; p. 2024.
 Recometre Company of America, New York, N. Y. Speed-recorders. No. 71,239; Nov. 10; Gaz. vol. 137; p. 470.
 Rector Help-A-Phone Company, New York, N. Y. Telephone attachments. No. 70,581; Sept. 15; Gaz. vol. 136; p. 654.
 Red Circle Pill Company, Lexington, Ky. Remedies for certain diseases. No. 69,736; June 30; Gaz. vol. 134; p. 2241.
 Red Cross Powder Company, assignor to White Cross Toilet Powder Company, New York, N. Y. Antiseptic powder. No. 69,159; May 19; Gaz. vol. 134; p. 772.
 Red Letter Liniment Company, Vidalia, Ga. Liniment. No. 71,173; Nov. 3; Gaz. vol. 137; p. 235.
 Red Rock Spring Water Co., Spring Valley, N. J. Ginger-ale. No. 69,820; July 7; Gaz. vol. 135; p. 214.
 Red Rock Spring Water Co., Spring Valley, N. J. Aerated and still water. No. 70,167; Aug. 4; Gaz. vol. 135; p. 1118.
 Red Wing Milling Co., Red Wing, Minn. Wheat-flour. No. 72,052; Dec. 29; Gaz. vol. 137; p. 2215.
 Reed & Co., C. H., Brockton, Mass. Lubricating oils and greases. No. 67,341; Jan. 28; Gaz. vol. 132; p. 838.
 Reed & Co., C. H., Brockton, Mass. Certain tobacco products. No. 69,672; June 30; Gaz. vol. 134; p. 2239.
 Reed & Company, H. B., Manchester, N. H. Leather boots and shoes. No. 70,469; Sept. 1; Gaz. vol. 136; p. 222.
 Reeder, D. H., Laporte, Ind. Chewing-gum and candy. No. 67,721; Feb. 18; Gaz. vol. 132; p. 1579.
 Rees, L., Chicago, Ill. Smoking-tobacco. No. 68,972; May 12; Gaz. vol. 134; p. 510.
 Rees-Scott Company, Ltd., New Orleans, La. Timber, logs, lumber, and lumber manufactures. No. 70,069; July 28; Gaz. vol. 135; p. 890.
 Regal Shoe Company, Boston, Mass. Leather boots and shoes. No. 70,470; Sept. 1; Gaz. vol. 136; p. 222.
 Regal Shoe Company, Boston, Mass. Leather boots and shoes. No. 71,189; Nov. 10; Gaz. vol. 137; p. 469.
 Regal Shoe Company, Boston, Mass. Rubber boots and shoes. No. 71,190; Nov. 10; Gaz. vol. 137; p. 469.
 Rehbach, J. J., Regensburg, Germany. Certain articles of stationery. No. 68,558; Apr. 14; Gaz. vol. 133; p. 1675.
 Reid & Co., A. L., New York, N. Y. Lawn. No. 71,175; Nov. 10; Gaz. vol. 137; p. 469.
 Reilly & Britton Company, Chicago, Ill. Series of toy books. No. 69,835; July 7; Gaz. vol. 135; p. 215.
 Reilly, P. C., Indianapolis, Ind. Chemical wood strengthener and preservative. No. 69,334; June 9; Gaz. vol. 134; p. 1557.
 Reinstine, J., New York, N. Y. Rye whisky blended with pure straight whiskies. No. 71,836; Dec. 15; Gaz. vol. 137; p. 1706.
 Reisinger, H., New York, N. Y. Electric-light carbons. No. 69,836; July 7; Gaz. vol. 135; p. 215.
 Reiss & Brady, New York, N. Y. Certain foods. No. 66,931; Jan. 7; Gaz. vol. 132; p. 226.
 Reiss Bros. & Co., Chicago, Ill. Pipes. No. 69,712; June 30; Gaz. vol. 134; p. 2240.
 Reliable Tea Co. Ltd., Grand Rapids, Mich. Coffee. No. 70,420; Aug. 25; Gaz. vol. 135; p. 1799.
 Reliance Heater & Supply Company, Pittsburg, Pa. Certain heating apparatus. No. 68,932; May 5; Gaz. vol. 134; p. 253.
 Remington, J. P., Jr., Philadelphia, Pa. Certain laboratory apparatus. No. 68,933; May 5; Gaz. vol. 134; p. 253.
 Remkol Company, Boston, Mass. Remedy for certain diseases. No. 70,527; Sept. 8; Gaz. vol. 136; p. 434.
 Remmers Soap Co., Cincinnati, Ohio. Toilet soap. No. 67,299; Jan. 28; Gaz. vol. 132; p. 837.
 Rennous Kleinle & Co. of Baltimore City, Baltimore, Md. Paint and varnish brushes. No. 68,505; Apr. 14; Gaz. vol. 133; p. 1674.
 Rennous Kleinle & Co. of Baltimore City, Baltimore, Md. Whitewash-brushes. No. 68,626; Apr. 21; Gaz. vol. 133; p. 1930.
 Rentz, G. E., Williamsport, Pa. Bread. No. 70,437; Sept. 1; Gaz. vol. 136; p. 221.
 Republic Metalware Co., Buffalo, N. Y. Metal roasters. No. 68,099; Mar. 10; Gaz. vol. 133; p. 507.
 Reuter, L. H., Berkeley, Cal. Paints. No. 70,081; July 28; Gaz. vol. 135; p. 890.
 Reynolds and Co., Wm. T., Poughkeepsie, N. Y. Molasses and sugar-syrups. No. 69,859; July 14; Gaz. vol. 135; p. 445.
 Reynolds & Lehr, Baltimore, Md. Tooth-paste. No. 69,897; July 14; Gaz. vol. 135; p. 446.
 Rhadoonit-Werke Gesellschaft mit beschränkter Haftung, Dohna, near Dresden, Germany. Insulating materials for electrical purposes. No. 68,822; Apr. 28; Gaz. vol. 133; p. 2176.
 Rhein, L. E. V., New York, N. Y. Tooth-powders and tooth-pastes. No. 69,160; May 19; Gaz. vol. 134; p. 772.
 Rhinalgen Company, New York, N. Y. Alkaline antiseptic solutions. No. 69,751; June 30; Gaz. vol. 134; p. 2241.
 Rice-Stix Dry Goods Company, St. Louis, Mo. Ladies' muslin undergarments. No. 67,570; Feb. 11; Gaz. vol. 132; p. 1313.
 Rice, Stix Dry Goods Company, St. Louis, Mo. Cotton piece goods. No. 70,667; Sept. 22; Gaz. vol. 136; p. 844.
 Rice's Sons, B., New York, N. Y. Certain silver and plated ware. No. 69,969; July 21; Gaz. vol. 135; p. 658.
 Richard Co., S., Southbridge, Mass. Certain hand-knives and blades. No. 67,486; Feb. 4; Gaz. vol. 132; p. 1067.
 Richard Co., S., Southbridge, Mass. Certain cutlery. No. 71,073; Oct. 27; Gaz. vol. 136; p. 1996.
 Richard Co., S., Southbridge, Mass. Certain cutlery. No. 71,415; Nov. 24; Gaz. vol. 137; p. 972.
 Richard Haworth and Company Limited, Manchester, England. Cotton piece goods of all kinds. No. 70,631; Sept. 15; Gaz. vol. 136; p. 655.
 Richards, H. B., Easton, Pa., and Phillipsburg, N. J. Milk and cream. No. 69,636; June 23; Gaz. vol. 134; p. 2025.
 Richardson, D. D., Chicago, Ill. Gas for disinfecting and medicinal purposes. No. 69,202; May 26; Gaz. vol. 134; p. 1046.
 Richardson & Robbins Co., Dover, Del. Certain foods. No. 71,412; Nov. 24; Gaz. vol. 137; p. 972.
 Richmond Cedar Works, Richmond, Va. Domestic washing-machines for laundry purposes. No. 66,952; Jan. 7; Gaz. vol. 132; p. 226.
 Richmond Hosiery Mills, Chattanooga, Tenn., and Rossville, Ga. Hosiery. No. 66,971; Jan. 7; Gaz. vol. 132; p. 227.
 Richter, F. A., Rudolstadt, Germany, and New York, N. Y. Certain medicines. Nos. 68,934-5; May 5; Gaz. vol. 134; p. 253.
 Richter, F. A., Rudolstadt, Germany, and New York, N. Y. Medicine for ailments of the bladder. No. 71,629; Dec. 8; Gaz. vol. 137; p. 1477.
 Ricketts Bros., Detroit, Mich. Cough medicines. No. 67,364; Jan. 28; Gaz. vol. 132; p. 838.
 Rickles, L. C., Birmingham, Ala. Complexion-lotion. No. 69,594; June 23; Gaz. vol. 134; p. 2024.
 Ridenour Baker Grocery Co., Kansas City, Mo. Canned fruits and vegetables. No. 67,194; Jan. 21; Gaz. vol. 132; p. 674.
 Ridenour Baker Grocery Co., Kansas City, Mo. Vinegar, canned fruits, and vegetables. No. 67,444; Feb. 4; Gaz. vol. 132; p. 1066.
 Ridenour-Baker Grocery Co., Kansas City, Mo. Certain sea foods. No. 68,639; Apr. 21; Gaz. vol. 133; p. 1930.
 Ridenour-Baker Grocery Co., Kansas City, Mo. Condensed milk and cheese. No. 68,754; Apr. 28; Gaz. vol. 133; p. 2174.
 Ridenour-Baker Grocery Co., Kansas City, Mo. Coffee and tea. No. 68,876; May 5; Gaz. vol. 134; p. 251.
 Ridenour-Baker Grocery Co., Kansas City, Mo. Certain foods. No. 69,017; May 12; Gaz. vol. 134; p. 511.
 Ridenour-Baker Grocery Co., Kansas City, Mo. Syrup. No. 69,284; June 2; Gaz. vol. 134; p. 1294.
 Ridenour, L. B., Washington, D. C. Mission furniture of all kinds. No. 68,506; Apr. 14; Gaz. vol. 133; p. 1674.
 Rider-Ericsson Engine Co., New York, N. Y. Hot-air engines. No. 70,492; Sept. 8; Gaz. vol. 136; p. 433.
 Ridgways Limited, London, England. Tea. No. 72,053; Dec. 29; Gaz. vol. 137; p. 2215.
 Riegel & Company, Inc., Philadelphia, Pa. Writing-paper. No. 70,307; Aug. 18; Gaz. vol. 135; p. 1578.
 Ries, J., Shakopee, Minn. Table-waters. No. 67,402; Feb. 4; Gaz. vol. 132; p. 1065.
 Riesz, A., Kis-Kun-Halas, Austria-Hungary. Remedy for seasickness. No. 71,651; Dec. 8; Gaz. vol. 137; p. 1478.
 Riffe, E. J., Allegheny, Pa. Whisky. No. 67,842; Feb. 18; Gaz. vol. 132; p. 1583.
 Riggles, J. R., Washington, D. C. Cigars. No. 71,819; Dec. 15; Gaz. vol. 137; p. 1706.
 Riggs, J. E., Lincoln, Nebr. Remedy for skin diseases. No. 67,143; Jan. 21; Gaz. vol. 132; p. 673.
 Rigney & Company, New York, Y. Y. Certain syrups and sugar-creams. No. 72,030; Dec. 29; Gaz. vol. 137; p. 2214.
 Rinald Bros., Philadelphia, Pa. Enamel-paint. No. 69,079; May 19; Gaz. vol. 134; p. 770.
 Rio Chemical Co., New York, N. Y. Nerve tonic and stimulant. No. 68,959; May 12; Gaz. vol. 134; p. 509.
 Rio Chemical Co., New York, N. Y. Astringents for external and internal use. No. 69,419; June 9; Gaz. vol. 134; p. 1559.
 Rio Chemical Co., New York, N. Y. Pinus canadensis. No. 70,269; Aug. 18; Gaz. vol. 135; p. 1577.
 Rio Chemical Co., New York, N. Y. White pinus canadensis. No. 70,270; Aug. 18; Gaz. vol. 135; p. 1577.
 Rippe Grain & Milling Co., Fairmont, Minn. Wheat-flour. No. 67,940; Feb. 25; Gaz. vol. 132; p. 1833.
 Ritchie, H. B., Boston, Mass. Canned smoked Norwegian sardines in olive-oil. No. 71,000; Oct. 20; Gaz. vol. 136; p. 1765.
 Roach, Tisdale & Co., Minneapolis, Minn. Candy jellies. No. 69,951; July 21; Gaz. vol. 135; p. 657.
 Roach, Tisdale & Co., Minneapolis, Minn. Certain foods. No. 69,970; July 21; Gaz. vol. 135; p. 658.
 Roanoke Coffee & Spice Co., Roanoke, Va. Coffee. No. 71,168; Nov. 3; Gaz. vol. 137; p. 225.
 Robert Reis & Co., New York, N. Y. Men's drawers and undershirts. No. 71,837; Dec. 15; Gaz. vol. 137; p. 1706.

Alphabetical list of registrants of trade-marks—Continued.

- Robert Smith Ale Brewing Company, Philadelphia, Pa. Ale, porter, and brown stout. No. 71,213; Nov. 10; Gaz. vol. 137; p. 470.
- Roberts, Johnson & Rand Shoe Company, St. Louis, Mo. Rubber boots and shoes. No. 70,471; Sept. 1; Gaz. vol. 136; p. 222.
- Roberts Johnson & Rand Shoe Company, St. Louis, Mo. Leather boots and shoes. No. 71,191; Nov. 10; Gaz. vol. 137; p. 469.
- Roberts, Johnson & Rand Shoe Company, St. Louis, Mo. Leather boots and shoes. No. 71,838; Dec. 15; Gaz. vol. 137; p. 1706.
- Roberts & Mathews, Ansonia, Ohio. Vehicle-lamps. No. 67,895; Feb. 25; Gaz. vol. 132; p. 1832.
- Roberts, S. H., Chicago, Ill. Horseshoe-calks. No. 71,342; Nov. 17; Gaz. vol. 137; p. 729.
- Roberts & Son, J. W., Tampa, Fla. Cigars. No. 68,877; May 5; Gaz. vol. 134; p. 251.
- Robertson, A., Roseneath, Scotland, and Manchester, England. Medicated lotion. No. 67,689; Feb. 11; Gaz. vol. 132; p. 1317.
- Robinson Bros. & Company, Incorporated, Portland, Me., and Malden, Mass. Medicinal and toilet cologne. No. 67,896; Feb. 25; Gaz. vol. 132; p. 1832.
- Robinson Bros. & Company, Incorporated, Portland, Me., and Malden, Mass. Ointment. No. 67,915; Feb. 25; Gaz. vol. 132; p. 1833.
- Robinson Bros. & Company, Incorporated, Portland, Me., and Malden, Mass. Medicinal and toilet cologne. No. 67,985; Mar. 3; Gaz. vol. 133; p. 223.
- Robinson Bros. & Company, Incorporated, Portland, Me., and Malden, Mass. Medicinal and toilet soap. No. 68,035; Mar. 3; Gaz. vol. 133; p. 225.
- Robinson Bros. & Company Incorporated, Malden, Mass. Medicinal and toilet soap. No. 68,134; Mar. 10; Gaz. vol. 133; p. 510.
- Robinson, E., Baltimore and Hopewell, Md. Canned tomatoes. No. 68,365; Mar. 31; Gaz. vol. 133; p. 1184.
- Robinson, G. L., New York, N. Y. Series of printed and illustrated books. No. 67,470; Feb. 4; Gaz. vol. 132; p. 1067.
- Robinson, J. S., Memphis, Tenn. Remedy for certain diseases. No. 69,821; July 7; Gaz. vol. 135; p. 214.
- Robinson, M., Newton, Mass. Certain electrical supplies. No. 69,758; June 30; Gaz. vol. 134; p. 2241.
- Rochow, B., New York, N. Y. Skin-tonics. No. 68,114; Mar. 10; Gaz. vol. 133; p. 508.
- Rock Island Plow Co., Rock Island, Ill. Certain agricultural machinery. No. 68,401; Apr. 7; Gaz. vol. 133; p. 1429.
- Rockford Automobile and Engine Co., Rockford, Ill. Automobiles. No. 70,140; Aug. 4; Gaz. vol. 135; p. 1117.
- Rockland-Rockport Lime Co., Rockland, Me. Lime and ready-mixed mortar. No. 66,932; Jan. 7; Gaz. vol. 132; p. 226.
- Rockland-Rockport Lime Co., Rockland, Me. Lime and ready-mixed mortar. No. 67,876; Feb. 25; Gaz. vol. 132; p. 1831.
- Rocky Mountain Sage Tonic Company, Denver, Colo. Tonic remedy. No. 68,540; Apr. 14; Gaz. vol. 133; p. 1675.
- Rodriguez y Hermano, Habana, Cuba. Cigars. No. 68,984; May 12; Gaz. vol. 134; p. 510.
- Rodriguez y Hermano, Habana, Cuba. Cigars. No. 69,431-2; June 16; Gaz. vol. 134; p. 1797.
- Rodriguez y Hno., Habana, Cuba. Cigars. No. 68,865; May 5; Gaz. vol. 134; p. 251.
- Rodriguez y Hno., Habana, Cuba. Cigars. No. 68,985; May 12; Gaz. vol. 134; p. 510.
- Roesell & Co., L., New York, N. Y. Cotton velvets. No. 70,839; Oct. 6; Gaz. vol. 136; p. 1294.
- Rogers Manifold & Carbon Paper Co., New York, N. Y. Carbon-paper. No. 70,200; Aug. 11; Gaz. vol. 135; p. 1357.
- Rogers & Thompson, West New York, N. J. and New York, N. Y. Broad silks and cotton dress goods. No. 71,497; Nov. 24; Gaz. vol. 137; p. 975.
- Rogow, D. I., Worcester, Mass. Wool soles for crocheted and worsted slippers. No. 70,354; Aug. 25; Gaz. vol. 135; p. 1798.
- Rolka & Klein, New York, N. Y. Razors and razor-blades. No. 68,805; Apr. 28; Gaz. vol. 133; p. 2175.
- Roosa, H. H., Lincoln, Nebr. Leather boots, shoes, and slippers. No. 68,175; Mar. 10; Gaz. vol. 133; p. 509.
- Root & Son, J. M., Medford, Oreg. Automobiles. No. 70,057; July 28; Gaz. vol. 135; p. 889.
- Roseman, A. W., Philadelphia, Pa. Paste for destroying rats, mice, and roaches. No. 67,877; Feb. 25; Gaz. vol. 132; p. 1831.
- Rosemond, L., San Diego, Cal. Hair-oil. No. 71,314; Dec. 1; Gaz. vol. 137; p. 1231.
- Rosenberg, A., Newark, N. J. Rings, chains, bracelets, and jewelry. No. 67,951; Feb. 25; Gaz. vol. 132; p. 1833.
- Rosenberg Bros. & Co., San Francisco, Cal. Raisins. No. 70,295; Aug. 18; Gaz. vol. 135; p. 1578.
- Rosenberg, H., Charlottenburg, Germany. Remedy for gall-stones. No. 67,605; Feb. 11; Gaz. vol. 132; p. 1314.
- Rosenblatt Co., San Francisco, Cal. Red and white wines. No. 71,241; Nov. 10; Gaz. vol. 137; p. 470.
- Rosenbluth, E. M., Philadelphia, Pa. Acetylene-gas generators and lamps and parts thereof. No. 69,113; May 19; Gaz. vol. 134; p. 771.
- Rosendahl, A., New York, N. Y. Cigars. No. 69,096; May 19; Gaz. vol. 134; p. 770.
- Rosenheim Brothers Co., Philadelphia, Pa. Tapestries, draperies, and upholstery fabrics. Nos. 71,315-16; Nov. 17; Gaz. vol. 137; p. 728.
- Rosenstein Brothers Inc., New York, N. Y. Dried pickled, or otherwise preserved fish. No. 67,195; Jan. 21; Gaz. vol. 132; p. 674.
- Roth-Homeyer Coffee Co., St. Louis, Mo. Coffee, tea, spices, and flavoring extracts. No. 69,190; May 26; Gaz. vol. 134; p. 1045.
- Rowe Patent Calk Company, Hartford, Conn. Horseshoe calks. No. 67,471; Feb. 4; Gaz. vol. 132; p. 1067.
- Roxford Knitting Company, Philadelphia, Pa. Men's knitted underwear. No. 68,195; Mar. 10; Gaz. vol. 133; p. 510.
- Royal Chair Co., Sturgis, Mich. Chairs. Nos. 70,942-3; Oct. 20; Gaz. vol. 136; p. 1763.
- Royal Packing Company, Los Angeles, Cal. Peeled-green-chilli and vegetable sauces for meats and stews. No. 71,536; Dec. 1; Gaz. vol. 137; p. 1232.
- Royal Remedy & Extract Co., Dayton, Ohio. Flavoring extracts. No. 71,032; Oct. 27; Gaz. vol. 136; p. 1995.
- Royal Solvent Co., New York, N. Y. Soaps. No. 68,036; Mar. 3; Gaz. vol. 133; p. 225.
- Royal Worcester Corset Co., Worcester, Mass. Corset-stiffeners. No. 72,009; Dec. 29; Gaz. vol. 137; p. 2213.
- Roykross Chemical Company, Whitehall, Mich. Certain absorbent compounds. No. 71,361; Nov. 17; Gaz. vol. 137; p. 729.
- Rubin, D. B., Bridgeport, Conn. Lenses, spectacles, and eyeglasses. No. 70,668; Sept. 22; Gaz. vol. 136; p. 844.
- Rüegg, W., Basel, Switzerland. Pudding preparations. No. 67,273; Jan. 28; Gaz. vol. 132; p. 836.
- Rugby Distillery Company, Louisville, Ky. Straight Bourbon whisky. No. 71,495; Nov. 24; Gaz. vol. 137; p. 975.
- Rugby Distillery Company, Louisville, Ky. Straight whisky. No. 71,630; Dec. 8; Gaz. vol. 137; p. 1477.
- Ruhlman & Co., P., New York, N. Y. Oranges. No. 70,058; July 28; Gaz. vol. 135; p. 889.
- Rural Tobacco Co., Pulaski, Tenn. Smoking-tobacco. No. 70,669; Sept. 22; Gaz. vol. 136; p. 844.
- Rush, C. H., Lincoln, Nebr. Medicine. Nos. 71,717-19; Dec. 15; Gaz. vol. 137; p. 1703.
- Russe & Burgess, Memphis, Tenn. Lumber and logs. (inferior grades.) No. 70,121; Aug. 4; Gaz. vol. 135; p. 1117.
- Russell & Erwin Manufacturing Company, New Britain, Conn. Hatchets and saws. No. 68,402; Apr. 7; Gaz. vol. 133; p. 1429.
- Russell Grain Co., Kansas City, Mo. Stock food. No. 71,558; Dec. 1; Gaz. vol. 137; p. 1232.
- Russell Jennings Mfg. Co., Chester, Conn. Augers and bits. No. 69,448; June 16; Gaz. vol. 134; p. 1797.
- Russo, E., New York, N. Y. Italian olive-oil. No. 70,915; Oct. 13; Gaz. vol. 136; p. 1529.
- Ruthardt & Co., Stuttgart, Germany. Certain electrical apparatus. No. 69,837; July 7; Gaz. vol. 135; p. 215.
- Rutherford, G. A., Saranac Lake, N. Y. Certain leather goods. No. 68,834; Apr. 28; Gaz. vol. 133; p. 2176.
- S. Guggenheimer, Rosenberg & Co., New York, N. Y. Rep cotton fabrics. No. 71,689; Dec. 8; Gaz. vol. 137; p. 1479.
- S. Hamill Company, Keokuk, Iowa. Wheat-flour. No. 70,337; Aug. 25; Gaz. vol. 135; p. 1797.
- S. Hamill Company, Keokuk, Iowa. Washboards. No. 70,509; Sept. 8; Gaz. vol. 136; p. 434.
- S. Hamill Company, Keokuk, Iowa. Blend of Java and Mocha coffee. No. 71,214; Nov. 10; Gaz. vol. 137; p. 470.
- S. & B. Lederer Company, Providence, R. I. Jewelry. No. 67,519; Feb. 4; Gaz. vol. 132; p. 1068.
- S-L Drug Company, East Palestine, Ohio. Medicines for certain diseases. No. 71,515; Dec. 1; Gaz. vol. 137; p. 1231.
- S. M. Bixby & Co., New York, N. Y. Leather and shoe dressings. No. 68,597; Apr. 21; Gaz. vol. 133; p. 1929.
- S. M. Bixby & Co., New York, N. Y. Leather and shoe dressings. No. 70,609; Sept. 15; Gaz. vol. 136; p. 655.
- S. S. McClure Company, New York, N. Y. Monthly publication. No. 67,196; Jan. 21; Gaz. vol. 13; p. 674.
- S. S. Pierce Co., Boston, Mass. Cigars. No. 68,866; May 5; Gaz. vol. 134; p. 251.
- S. S. Pierce Co., Boston, Mass. Sugar-tablets. Nos. 69,778-9; July 7; Gaz. vol. 135; p. 213.
- S. S. Pierce Company, Boston, Mass. Tea. No. 69,461; June 16; Gaz. vol. 134; p. 1798.
- S. S. White Dental Mfg. Co., Philadelphia, Pa.; Chicago, Ill.; New York, Brooklyn, and Rochester, N. Y.; Boston, Mass.; Atlanta, Ga.; New Orleans, La.; Toronto, Canada; Buenos Ayres, Argentina; Berlin, Germany, and St. Petersburg, Russia. Certain dental instruments, machines, and supplies. No. 68,845; Apr. 28; Gaz. vol. 133; p. 2176.
- S. S. White Dental Mfg. Co., Philadelphia, Pa.; Chicago, Ill.; New York, Brooklyn, and Rochester, N. Y.; Boston, Mass.; Atlanta, Ga.; New Orleans, La.; Toronto, Canada; Buenos Ayres, Argentina; Berlin, Germany, and St. Petersburg, Russia. Crystalline gold tooth-filling. No. 68,846; Apr. 28; Gaz. vol. 133; p. 2176.
- S. T. W. Sanford & Sons, Long Island City, N. Y. Remedy for diseases of the liver. No. 68,249; Mar. 17; Gaz. vol. 133; p. 758.
- Sabina Flour Mill Co., Sabina, Ohio. Wheat-flour. No. 69,363; June 9; Gaz. vol. 134; p. 1558.
- Sackman Brothers Co., Inc., Jamaica, N. Y. Toy figures. No. 69,449; June 16; Gaz. vol. 134; p. 1797.
- Saenger & Co., R., New York, N. Y. Chiffon cloth. No. 69,540; June 16; Gaz. vol. 134; p. 1800.
- Safety Insulated Wire & Cable Co., New York, N. Y. Covered electrical conductors. No. 69,759; June 30; Gaz. vol. 134; p. 2241.
- Sage Brush Tonic Co. Ltd., Shoshone, Idaho. Hair-tonics. No. 68,527; Apr. 14; Gaz. vol. 133; p. 1674.
- Sager, R. E., Pittsburg, Pa. Remedy for certain diseases. No. 67,527; Sept. 8; Gaz. vol. 136; p. 434.
- Saginaw Medicine Co., Saginaw, Mich. Certain medicines and pharmaceutical preparations. No. 67,766; Feb. 18; Gaz. vol. 132; p. 1581.
- Saginaw Milling Company, Saginaw, Mich. Wheat-flour. No. 68,231; Mar. 17; Gaz. vol. 133; p. 758.
- Saginaw Milling Company, Saginaw, Mich. Wheat-flour. No. 70,152; Aug. 4; Gaz. vol. 135; p. 1118.
- Salfer, T., New York, N. Y. Cloth dress goods. No. 70,192; Aug. 11; Gaz. vol. 135; p. 1357.
- Salt Lake Mattress & Mfg. Co., Salt Lake City, Utah. Mattresses. No. 70,271; Aug. 18; Gaz. vol. 135; p. 1577.
- Salt Union Limited, Liverpool, England. Salt. Nos. 71,612-14; Dec. 8; Gaz. vol. 137; p. 1477.

Alphabetical list of registrants of trade-marks—Continued.

- Sample, G. W., York, Pa. Abrasive composition for cleaning and polishing. No. 70,438; Sept. 1; Gaz. vol. 136; p. 221.
- Samson Cordage Works, Boston, Mass. Braided sash-cord. No. 66,933; Jan. 7; Gaz. vol. 132; p. 226.
- Samson Cordage Works, Boston, Mass. Certain cords. No. 69,555; June 23; Gaz. vol. 134; p. 2023.
- Samson Iron Works, Stockton, Cal. Gas, gasoline, and oil engines. No. 67,621; Feb. 11; Gaz. vol. 132; p. 1315.
- Samstag & Hilder Brothers, New York, N. Y. Dolls. No. 69,002; May 12; Gaz. vol. 134; p. 510.
- Samuel Cupples Wooden Ware Company, St. Louis, Mo. Clothes-props, ironing-boards, and washbenches. No. 70,801; Oct. 6; Gaz. vol. 136; p. 1293.
- Samuel Osborn & Co. (See Osborn & Co., S., assignors.)
- Samuel Reid Tobacco Company, St. Paul, Minn. Plug-tobacco. No. 68,262; Mar. 17; Gaz. vol. 133; p. 758.
- San Antonio Oil Works, San Antonio, Tex. Cotton-seed meal. No. 69,462; June 16; Gaz. vol. 134; p. 1798.
- San Francisco Breweries, Ltd., London, England, and San Francisco, Cal. Beer. No. 69,364; June 9; Gaz. vol. 134; p. 1558.
- Sanatile Company, New York, N. Y. Decorative fabrics for walls and ceilings. No. 70,610; Sept. 15; Gaz. vol. 136; p. 655.
- Sanders Duck and Rubber Company, St. Louis, Mo. Rubber boots. No. 68,274; Mar. 17; Gaz. vol. 133; p. 759.
- Sandheger, C., deceased; J. Quack and G. H. Sandheger, Cincinnati, Ohio, executors. Whisky. No. 67,958; Feb. 25; Gaz. vol. 132; p. 1834.
- Sandheger, C., deceased; J. Quack and G. H. Sandheger, Cincinnati, Ohio, executors. Whisky. No. 67,984; Mar. 3; Gaz. vol. 133; p. 223.
- Sandheger, C. H., *et al.*, executors. (See Sandheger, C.)
- Sandusky Portland Cement Company, Sandusky, Ohio. Portland cement. No. 70,272; Aug. 18; Gaz. vol. 135; p. 1577.
- Sanford, H. L., Syracuse, N. Y. Certain dental appliances, tools, and supplies. No. 69,528; June 16; Gaz. vol. 134; p. 1797.
- Sanford Manufacturing Co., Chicago, Ill. Writing fluid. No. 70,510; Sept. 8; Gaz. vol. 136; p. 434.
- Sanford Manufacturing Co., Chicago, Ill. Paste. No. 70,802; Oct. 6; Gaz. vol. 136; p. 1293.
- Sanford Narrow Fabric Co., Pawtucket, R. I., and New York, N. Y. Braids, tapes, bindings, and trimmings. No. 70,632; Sept. 15; Gaz. vol. 136; p. 655.
- Sanger Bros., Dallas, Tex. Corsets. No. 72,010; Dec. 29; Gaz. vol. 137; p. 2214.
- Sanitary Rolling Carrier Company, St. Louis, Mo. Oyster pails, buckets, tubs, kegs, and barrels. No. 70,112; July 28; Gaz. vol. 135; p. 891.
- Santiago, Umpierre & Co., Comerio, Porto Rico. Cigars. No. 71,820; Dec. 15; Gaz. vol. 137; p. 1706.
- Saranac Glove Company, Littleton, N. H. Leather gloves. No. 67,722; Feb. 18; Gaz. vol. 132; p. 1580.
- Sarasin & Co., R., Basel, Switzerland. Ribbons. No. 69,752; June 30; Gaz. vol. 134; p. 2241.
- Sarasin & Co., Wm., Basel, Switzerland. Ribbons. No. 69,825; July 7; Gaz. vol. 135; p. 214.
- Sarasin & Co., Wm., Basel, Switzerland. Ribbons. No. 70,541; Sept. 8; Gaz. vol. 136; p. 434.
- Savage, J. A., Cambridge, Mass. Foot salves, ointments, and powders. No. 68,115; Mar. 10; Gaz. vol. 133; p. 508.
- Savard & Fils, Paris, France. Certain precious-metal ware. No. 69,114; May 19; Gaz. vol. 134; p. 771.
- Savarese & Bros., V., Brooklyn, N. Y. Macaroni and vermicelli. No. 66,934; Jan. 7; Gaz. vol. 132; p. 226.
- Savill & Sons, T., Philadelphia, Pa. Bibs and valves. No. 70,225; Aug. 11; Gaz. vol. 135; p. 1358.
- Sawyer Boot & Shoe Co., Bangor, Me. Moccasins. No. 71,192; Nov. 10; Gaz. vol. 137; p. 469.
- Sawyer Boot & Shoe Co., Bangor, Me. Moccasins. No. 71,690; Dec. 8; Gaz. vol. 137; p. 1479.
- Sawyer Crystal Blue Company, Boston, Mass. Washing-blue. No. 68,224; Mar. 17; Gaz. vol. 133; p. 757.
- Sawyer Crystal Blue Company, Boston, Mass. Washing-blue. No. 69,263; June 2; Gaz. vol. 134; p. 1293.
- Sawyer Crystal Blue Company, Boston, Mass. Ammonia. No. 69,377; June 30; Gaz. vol. 134; p. 2241.
- Sayen, O., Philadelphia, Pa. Rubber flange-packing. No. 69,971; July 21; Gaz. vol. 135; p. 658.
- Sayman, T. M., St. Louis, Mo. Salve for the treatment of certain diseases. No. 70,645; Sept. 22; Gaz. vol. 136; p. 843.
- Sayman, T. M., St. Louis, Mo. Vegetable liniment. No. 70,817; Oct. 6; Gaz. vol. 136; p. 1294.
- Sayman, T. M., St. Louis, Mo. Preparation for certain diseases. No. 70,818; Oct. 6; Gaz. vol. 136; p. 1294.
- Sayman, T. M., St. Louis, Mo. Remedy for certain diseases. No. 70,847; Oct. 13; Gaz. vol. 136; p. 1527.
- Scandinavian Fur & Leather Co., New York, N. Y. Certain rubber goods. No. 66,991; Jan. 7; Gaz. vol. 132; p. 227.
- Scandinavian Fur & Leather Co., New York, N. Y. Certain clothing. No. 67,197; Jan. 21; Gaz. vol. 132; p. 674.
- Scandinavian Fur & Leather Co., New York, N. Y. Leather lap-ropes and leather boots. No. 67,843; Feb. 18; Gaz. vol. 132; p. 1583.
- Scandinavian Importing Company, Kittery, Me., and Boston, Mass. Potato-flour. No. 70,916; Oct. 13; Gaz. vol. 136; p. 1529.
- Schaar, C. L., Chicago, Ill. Loose-leaf ledgers. No. 66,992; Jan. 7; Gaz. vol. 132; p. 227.
- Schanbacher & Brod, Newark, N. J. Certain jewelry. No. 69,650; June 23; Gaz. vol. 134; p. 2025.
- Scheifele Shoe Manufacturing Company, Cincinnati, Ohio. Leather boots, shoes, and slippers. No. 70,297; Aug. 18; Gaz. vol. 135; p. 1578.
- Schenck, L. B., New York, N. Y. Facial lotions, hair-tonics, nasal washes and gargles, and liquid creams for the complexion. No. 67,768; Feb. 18; Gaz. vol. 132; p. 1581.
- Scherzer Rolling Lift Bridge Company, Chicago, Ill. Rolling lift or bascule bridges. No. 69,898; July 14; Gaz. vol. 135; p. 446.
- Scheuer & Brother, New York, N. Y. Leather pocket-books and leather purses. No. 67,520; Feb. 4; Gaz. vol. 132; p. 1068.
- Schieffelin & Co., New York, N. Y. Perfumes and toilet creams. No. 69,899; July 14; Gaz. vol. 135; p. 446.
- Schindler, G. W., Washington, D. C. Corn-remover. No. 70,153; Aug. 4; Gaz. vol. 135; p. 1118.
- Schlang, A., New York, N. Y. Garment-hangers. Nos. 70,670-3; Sept. 22; Gaz. vol. 136; p. 844.
- Schlein, S., Philadelphia, Pa. Ladies' dress-waists and shirt-waists. No. 69,374; June 9; Gaz. vol. 134; p. 1558.
- Schlesinger-Meyer Baking Co., Atlanta, Ga. Bread. Nos. 69,470-1; June 16; Gaz. vol. 134; p. 1798.
- Schloss, J. W., New York, N. Y. Braid for embroidery purposes. No. 71,559; Dec. 1; Gaz. vol. 137; p. 1232.
- Schloss-Speier Co., New York, N. Y. Supporters for ladies' collars. No. 70,674; Sept. 22; Gaz. vol. 136; p. 844.
- Schmitz, J. A., Chicago, Ill. Face-powders and face-creams. No. 72,011; Dec. 29; Gaz. vol. 137; p. 2214.
- Schmitz, J. P., deceased; L. Schoettler, A. Hillenbrand, and L. A. Schmitz, San Francisco, Cal., executors. Tonic and remedy for indigestion. No. 68,352; Mar. 31; Gaz. vol. 133; p. 1184.
- Schmitz, L. A., *et al.*, executors. (See Schmitz, J. P.)
- Schnull & Co., Indianapolis, Ind. Certain foods. No. 68,786; Apr. 28; Gaz. vol. 133; p. 2175.
- Schnull & Co., Indianapolis, Ind. Compound of New Orleans molasses and corn-syrup. No. 70,059; July 28; Gaz. vol. 135; p. 889.
- Schnull & Co., Indianapolis, Ind. Compound of sorghum-molasses and corn-syrup. No. 70,439; Sept. 1; Gaz. vol. 136; p. 221.
- Schoedinger-Marr Company, Columbus, Ohio. Paints and varnishes. No. 70,803; Oct. 6; Gaz. vol. 136; p. 1293.
- Schoellkopf, Hartford & Hanna Company, Buffalo, N. Y. Disinfectant, antiseptic, and deodorizing preparation. No. 69,529; June 16; Gaz. vol. 134; p. 1800.
- Schoellkopf, Hartford & Hanna Company, Buffalo, N. Y. Disinfectant, antiseptic, and deodorizing preparation. No. 70,944; Oct. 20; Gaz. vol. 136; p. 1763.
- Schoellkopf, Hartford & Hanna Company, Buffalo, N. Y. Anilin coloring materials. No. 71,242; Nov. 10; Gaz. vol. 137; p. 470.
- Schoening, M. E., New York, N. Y. Strings for musical instruments. No. 69,918; July 14; Gaz. vol. 135; p. 447.
- Schoening, M. E., New York, N. Y. Strings for musical instruments. Nos. 71,560-1; Dec. 1; Gaz. vol. 137; p. 1232.
- Schoettler, L., *et al.*, executors. (See Schmitz, J. P.)
- Schopf, A. B., Philadelphia, Pa. Candy. No. 67,059; Jan. 14; Gaz. vol. 132; p. 462.
- Schott & Gen., Jena, Germany. Glass tubes. No. 69,928; July 21; Gaz. vol. 135; p. 657.
- Schott & Gen., Jena, Germany. Certain glassware. Nos. 69,929-30; July 21; Gaz. vol. 135; p. 657.
- Schott & Gen., Jena, Germany. Lamp-glasses. No. 69,931; July 21; Gaz. vol. 135; p. 657.
- Schott & Gen., Jena, Germany. Certain glassware. No. 70,273; Aug. 18; Gaz. vol. 135; p. 1577.
- Schott & Gen., Jena, Germany. Mercury-lamps. No. 70,274; Aug. 18; Gaz. vol. 135; p. 1577.
- Schott & Gen., Jena, Germany. Certain glassware. No. 70,275; Aug. 18; Gaz. vol. 135; p. 1577.
- Schotten, J. J., St. Louis, Mo. Spices. No. 69,793; July 7; Gaz. vol. 135; p. 214.
- Schotz, J. F., Chicago, Ill. Dental alloy. No. 67,767; Feb. 18; Gaz. vol. 132; p. 1581.
- Schoverling, Daly & Gales, New York, N. Y. Fish-hooks. No. 70,082; July 28; Gaz. vol. 135; p. 890.
- Schutchin, T., Atlanta, Ga. Mechanical block puzzles. No. 70,154; Aug. 4; Gaz. vol. 135; p. 1118.
- Schultz, M., Buffalo, N. Y. Foot-protectors. No. 71,193; Nov. 10; Gaz. vol. 137; p. 469.
- Schurr & Co., D., New York, N. Y. Washing-blue. No. 71,033; Oct. 27; Gaz. vol. 136; p. 1995.
- Schwabacher Bros. & Co., Inc., Seattle, Wash. Canned fish. No. 67,558; Feb. 11; Gaz. vol. 132; p. 1313.
- Schwabacher Hardware Co., Seattle, Wash. Razors, knives, scissors, and shears. No. 68,733; Apr. 28; Gaz. vol. 133; p. 2173.
- Schwabacher Hardware Co., Seattle, Wash. Certain edge-tools. No. 68,734; Apr. 28; Gaz. vol. 133; p. 2173.
- Schwabacher Hardware Co., Seattle, Wash. Certain edge-tools. No. 70,864; Oct. 13; Gaz. vol. 136; p. 1527.
- Schwalbe, W. A., Milwaukee, Wis. Canned soup. No. 70,060; July 28; Gaz. vol. 135; p. 889.
- Schwarz, F., Cincinnati, Ohio. Cigars. No. 68,257; Mar. 17; Gaz. vol. 133; p. 758.
- Schwarz & Co., M. M., New York, N. Y. Certain clothing. No. 67,101; Jan. 14; Gaz. vol. 132; p. 463.
- Schwartz & Bro., H., Chattanooga, Tenn. Leather shoes. No. 70,365; Aug. 25; Gaz. vol. 135; p. 1798.
- Schwarzkopf, H., Charlottenburg, near Berlin, Germany. Cosmetics for the hair. No. 67,897; Feb. 25; Gaz. vol. 132; p. 1832.

Alphabetical list of registrants of trade-marks—Continued.

- Schwarzschild and Sulzberger Company, Chicago, Ill., and New York, N. Y. Oleo-oil. No. 68,232; Mar. 17; Gaz. vol. 133; p. 758.
 Schweizerische Seidengazefabrik A. G., Zurich, Switzerland. Silk bolting-cloth. No. 68,318; Mar. 24; Gaz. vol. 133; p. 988.
 Schwenk Barth Brewing Company, Yankton, S. D. Beer. No. 67,701; Feb. 18; Gaz. vol. 132; p. 1579.
 Schwerdtfeger & Co., E. A., Berlin, Germany. Illustrated post-cards and congratulatory cards. No. 69,673; June 30; Gaz. vol. 134; p. 2239.
 Scott and Co., Kankakee, Ill. Medicated chest-protectors. No. 72,012; Dec. 29; Gaz. vol. 137; p. 2214.
 Scott & Company, Norfolk, Va. Renovated butter. No. 70,338; Aug. 25; Gaz. vol. 135; p. 1797.
 Scott & Company, Norfolk, Va. Cream-cheese. No. 70,528; Sept. 8; Gaz. vol. 136; p. 434.
 Scott Paper Company, Philadelphia, Pa. Toilet-paper. No. 70,083; July 28; Gaz. vol. 135; p. 890.
 Scrimgeour, W., Jr., assignor to Mires Fuel-Oil Equipment Company, Norfolk, Va. Certain furnaces and burners. No. 68,559; Apr. 14; Gaz. vol. 133; p. 1675.
 Seaman, E. J., New York, N. Y. Foundry partings and facings. No. 70,251; Aug. 18; Gaz. vol. 135; p. 1577.
 Searle, E. H., Springfield, Mass. Spring-actuated air-rifles. No. 70,122; Aug. 4; Gaz. vol. 135; p. 1117.
 Sears and Dickerson, Washington, D. C. Sauces. No. 68,153; Mar. 10; Gaz. vol. 133; p. 509.
 Seattle Hardware Company, Seattle, Wash. Certain tools and cutlery. No. 70,002; July 21; Gaz. vol. 135; p. 659.
 Secord, F. A., St. John, New Brunswick, Canada. Boot and shoe polish. No. 68,806; Apr. 28; Gaz. vol. 133; p. 2175.
 Secrest, H. O., Cleveland, Ohio. Lawn trimmers and edgers. No. 67,878; Feb. 25; Gaz. vol. 132; p. 1832.
 Seeger, W., St. Louis, Mo. Salve. No. 71,263; Nov. 10; Gaz. vol. 137; p. 471.
 Seidel, T. L., Reading, Pa. Hosiery. No. 70,356; Aug. 25; Gaz. vol. 135; p. 1798.
 Seinsheimer Paper Company, Cincinnati, Ohio. Rubber roofing. No. 71,481; Nov. 24; Gaz. vol. 137; p. 974.
 Seitz, J. A., New York, N. Y. Alternative for internal use. No. 70,451; Sept. 1; Gaz. vol. 136; p. 221.
 Self-Developing Plate Company Limited, London, England. Sensitized photographic plates, films, and papers. No. 70,027; July 21; Gaz. vol. 135; p. 659.
 Self-Educator Publishing Co. Inc., New York, N. Y. Monthly magazine. No. 68,275; Mar. 17; Gaz. vol. 133; p. 759.
 Selser, W. A., Jenkintown, Pa. Honey. No. 66,935; Jan. 7; Gaz. vol. 132; p. 226.
 Selz, Schwab & Company, Chicago, Ill. Leather and rubber boots and shoes. No. 69,982; July 21; Gaz. vol. 135; p. 658.
 Semmes & Co., B. J., Memphis, Tenn. Straight rye whisky and blended rye whisky. No. 71,652; Dec. 8; Gaz. vol. 137; p. 1478.
 Sendelbach, A., Cincinnati, Ohio. Cigars. No. 71,821; Dec. 15; Gaz. vol. 137; p. 1706.
 Seth Thomas Clock Company, New York, N. Y. Clocks. No. 68,894; May 5; Gaz. vol. 134; p. 232.
 Seven Day Coffee Company, New York, N. Y. Coffee. No. 68,429; Apr. 7; Gaz. vol. 133; p. 1430.
 Seven Day Coffee Company, New York, N. Y. Coffee. No. 69,018; May 12; Gaz. vol. 134; p. 511.
 Sewing Thread Co., Pawtucket, R. I., and New York, N. Y. Spool-cotton. Nos. 70,612-15; Sept. 15; Gaz. vol. 136; p. 655.
 Seyd, H. A., Maywood, N. J. Non-alcoholic liquid flavoring for beverages. Nos. 68,735-6; Apr. 28; Gaz. vol. 133; p. 2174.
 Shapleigh Coffee Company, Boston, Mass. Coffee and tea. No. 68,015; Mar. 3; Gaz. vol. 133; p. 224.
 Shapleigh Coffee Company, Boston, Mass. Coffee and tea. Nos. 68,023-4; Mar. 3; Gaz. vol. 133; p. 224.
 Shapleigh Coffee Company, Boston, Mass. Coffee and tea. No. 68,037; Mar. 3; Gaz. vol. 133; p. 225.
 Sharkey, C. F., Somerville, Mass. Certain chemicals. No. 68,225; Mar. 17; Gaz. vol. 133; p. 757.
 Sharp & Dohme, Baltimore, Md. Antiseptic solution. No. 67,300; Jan. 28; Gaz. vol. 132; p. 837.
 Sharp & Dohme, Baltimore, Md. Medicated cotton wool. No. 68,676; Apr. 21; Gaz. vol. 133; p. 1931.
 Sharp & Dohme, Baltimore, Md. Remedy for certain diseases. No. 69,218; May 26; Gaz. vol. 134; p. 1046.
 Sharp & Dohme, Baltimore, Md. Inhalants put up in capsules. No. 69,567; June 23; Gaz. vol. 134; p. 2023.
 Sharp & Dohme, Baltimore, Md. Certain medicinal preparation. No. 69,738; June 30; Gaz. vol. 134; p. 2241.
 Sharp & Dohme, Baltimore, Md. Antiseptic preparation for the skin. No. 70,452; Sept. 1; Gaz. vol. 136; p. 222.
 Sharp & Dohme, Baltimore, Md. Medicinal preparation for the treatment of genito-urinary diseases. No. 70,611; Sept. 15; Gaz. vol. 136; p. 655.
 Sharp & Dohme, Baltimore, Md. Tooth-powder. No. 70,717; Sept. 29; Gaz. vol. 136; p. 1063.
 Sharp & Dohme, Baltimore, Md. Antiseptic emollient for the skin. No. 70,718; Sept. 29; Gaz. vol. 136; p. 1063.
 Sharp & Dohme, Baltimore, Md. Odorless antiseptic dusting-powder. No. 70,719; Sept. 29; Gaz. vol. 136; p. 1063.
 Sharpine Co., Brooklyn, N. Y. Sharpening and polishing material. No. 71,318; Nov. 17; Gaz. vol. 137; p. 728.
 Sharood Shoe Corporation, St. Paul, Minn. Leather shoes. No. 72,013; Dec. 29; Gaz. vol. 137; p. 2214.
 Shaw Stocking Company, Lowell, Mass. Hosiery. No. 68,973; May 12; Gaz. vol. 134; p. 510.
 Shaw Stocking Company, Lowell, Mass. Hosiery. No. 71,001; Oct. 20; Gaz. vol. 136; p. 1765.
 Sheboygan Mineral Water Co., Sheboygan, Wis. Certain beverages. No. 71,822; Dec. 15; Gaz. vol. 137; p. 1706.
 Sheffield Chemical Co., Sheffield, Iowa. Remedy for chilblains. No. 68,250; Mar. 17; Gaz. vol. 133; p. 758.
 Sheffield Farms-Slawson-Decker Co., New York, N. Y. Milk and cream. No. 67,165; Jan. 21; Gaz. vol. 132; p. 674.
 Sheffield-King Milling Co., Minneapolis, Minn. Flour made from wheat. No. 68,507; Apr. 14; Gaz. vol. 133; p. 1674.
 Sheip & Vandegrift, Inc., Philadelphia, Pa. Horns for talking-machines. No. 70,472; Sept. 1; Gaz. vol. 136; p. 222.
 Sheldon Axle Company, Wilkes-Barre, Pa. Vehicle axles and springs. No. 70,003; July 21; Gaz. vol. 135; p. 659.
 Sheldon Axle Company, Wilkes-Barre, Pa. Vehicle axles and springs. Nos. 70,028-9; July 21; Gaz. vol. 135; p. 659.
 Shepherd, D. E., Enfield, Ill. Hair-tonic. No. 71,720; Dec. 15; Gaz. vol. 137; p. 1703.
 Sheppard, C. E., New York, N. Y. Loose-leaf binders. No. 67,924; Feb. 25; Gaz. vol. 132; p. 1833.
 Sheppard & Co., I. A., Philadelphia, Pa. Stoves, furnaces, and hot-air heaters. No. 70,899; Oct. 13; Gaz. vol. 136; p. 1528.
 Sheppard & Co., I. A., Philadelphia, Pa. Certain heating apparatus. No. 71,264; Nov. 10; Gaz. vol. 137; p. 471.
 Sheppard & Co., I. A., Philadelphia, Pa. Certain heating apparatus. No. 71,672; Dec. 8; Gaz. vol. 137; p. 1479.
 Sherer, O. L., New York, N. Y. Remedy for headache. No. 70,720; Sept. 29; Gaz. vol. 136; p. 1063.
 Sherman Cotton Oil Provision Co., Sherman, Tex. Lard substitutes. Nos. 68,154-6; Mar. 10; Gaz. vol. 133; p. 509.
 Sherry, J. A., Fall River, Mass., and Toledo, Ohio. Toy wagon. No. 70,296; Aug. 18; Gaz. vol. 135; p. 1578.
 Sherwin-Williams Co., Cleveland, Ohio. Mixed paints, pigments used for paints, stains, and paint-oils. No. 67,166; Jan. 21; Gaz. vol. 132; p. 674.
 Shields Bros., Bombay, N. Y. Moccasins. No. 70,187; Aug. 11; Gaz. vol. 135; p. 1357.
 Shipman, E. M., Los Angeles, Cal. Medicinal preparations for use in female complaints. No. 69,822; July 7; Gaz. vol. 135; p. 214.
 Shipman's Sons, A. L., New York, N. Y. Temporary binders. No. 68,276; Mar. 17; Gaz. vol. 133; p. 759.
 Shively, E., Boston, Mass. Sardines, salmon, and herrings. No. 69,080; May 19; Gaz. vol. 134; p. 770.
 Shively, E., assignor to Delong Seaman & Company, Boston, Mass. Certain sea foods. No. 66,936; Jan. 7; Gaz. vol. 132; p. 226.
 Shively, E., assignor to Delong Seaman & Company, Boston, Mass. Certain sea foods. No. 67,107; Jan. 21; Gaz. vol. 132; p. 674.
 Shookley, T., Topaz, Mo. Remedy for the treatment of diseases of eyes. No. 67,365; Jan. 28; Gaz. vol. 132; p. 838.
 Shoemart Company, St. Louis, Mo. Leather boots and shoes. No. 67,387; Jan. 28; Gaz. vol. 132; p. 839.
 Shreveport Syrup and Molasses Co. Ltd., Shreveport and New Orleans, La. Compound of cane and corn syrups. No. 72,054; Dec. 29; Gaz. vol. 137; p. 2215.
 Siccardi, E. P., New York, N. Y. Certain vegetable compounds. No. 67,422; Feb. 4; Gaz. vol. 132; p. 1066.
 Sichert, G., New York, N. Y. Trousers. No. 67,571; Feb. 11; Gaz. vol. 132; p. 1314.
 Sicilian Asphalt Paving Co., New York, N. Y. Asphalt products for road-making and roofing. No. 70,675; Sept. 22; Gaz. vol. 136; p. 844.
 Sidney Blumenthal & Co. Inc., New York, N. Y. Certain dress fabrics. No. 67,395; Feb. 4; Gaz. vol. 132; p. 1065.
 Sidney Blumenthal and Co., (Inc.), New York, N. Y. Certain dress fabrics. No. 69,245; May 26; Gaz. vol. 134; p. 1047.
 Siebold, M. C., Keokuk, Iowa. Remedy for roup and other poultry diseases. No. 68,541; Apr. 14; Gaz. vol. 133; p. 1675.
 Sief, G. M., Kansas City, Mo. Ice-cream-cone waffles. No. 71,653; Dec. 8; Gaz. vol. 137; p. 1478.
 Siegel Cooper & Co., Chicago, Ill. Certain flours. No. 67,060; Jan. 14; Gaz. vol. 132; p. 462.
 Siegel Cooper & Co., Chicago, Ill. Canned vegetables. No. 67,322; Jan. 28; Gaz. vol. 132; p. 837.
 Siegel, Cooper & Co., Chicago, Ill. Prepared dessert food. No. 69,019; May 12; Gaz. vol. 134; p. 511.
 Siegel, M. H., New York, N. Y. Aromatic disinfectants and dust-allayers. No. 71,929; Dec. 22; Gaz. vol. 137; p. 1934.
 Siegfried & Co., J. C., Chicago, Ill. Teas. No. 69,595; June 23; Gaz. vol. 134; p. 2024.
 Siemon Hard Rubber Corporation, Bridgeport, Conn. Poker-chips. No. 70,227; Aug. 11; Gaz. vol. 135; p. 1358.
 Siernsema, O. & E., New York, N. Y. Metal-polishing compound. No. 70,865; Oct. 13; Gaz. vol. 136; p. 1527.
 Silberman, E. M., Philadelphia, Pa. Lubricating-oils. No. 71,319; Nov. 17; Gaz. vol. 137; p. 728.
 Simmons Boot and Shoe Co., Toledo, Ohio. Women's leather shoes. No. 69,311; June 2; Gaz. vol. 134; p. 1294.
 Simmons Boot & Shoe Co., Toledo, Ohio. Men's leather boots and shoes. No. 69,547; June 16; Gaz. vol. 134; p. 1800.
 Simmons, D. W., Seattle, Wash. Cigarettes and cigars. No. 67,952; Feb. 25; Gaz. vol. 132; p. 1834.
 Simmons Hardware Company, St. Louis, Mo. Razors. No. 66,953; Jan. 7; Gaz. vol. 132; p. 226.
 Simmons Hardware Company, St. Louis, Mo. Certain cutlery and edge-tools. No. 67,798; Feb. 18; Gaz. vol. 132; p. 1582.
 Simmons Hardware Company, St. Louis, Mo. Certain tools. No. 67,856; Feb. 25; Gaz. vol. 132; p. 1831.
 Simmons Hardware Company, St. Louis, Mo. Certain tools. No. 70,084; July 28; Gaz. vol. 135; p. 890.

Alphabetical list of registrants of trade-marks—Continued.

- Simmons Hardware Company, St. Louis, Mo. Certain abrasive materials and sharpening-stones. No. 70,180; Aug. 11; Gaz. vol. 135; p. 1357.
- Simmons Hardware Company, St. Louis, Mo. Certain lanterns. No. 70,440; Sept. 1; Gaz. vol. 136; p. 221.
- Simmons Hardware Company, St. Louis, Mo. Horse-collars. Nos. 71,343-4; Nov. 17; Gaz. vol. 137; p. 729.
- Simmons Hardware Company, St. Louis, Mo. Razor-strops. No. 71,562; Dec. 1; Gaz. vol. 137; p. 1233.
- Simon Levi Company, Los Angeles, Cal. Certain foods. No. 67,198; Jan. 21; Gaz. vol. 132; p. 674.
- Simonds Manufacturing Company, Fitchburg, Mass.; Chicago, Ill.; Portland, Oreg.; Seattle, Wash., and San Francisco, Cal. Saws and machine-knives. No. 71,413; Nov. 24; Gaz. vol. 137; p. 972.
- Simon's Sons, C., New York, N. Y. Knitted underwear and hosiery. No. 70,188; Aug. 11; Gaz. vol. 135; p. 1357.
- Simonsen, A., New York, N. Y. Goods made from human hair and substitutes therefor. No. 68,176; Mar. 10; Gaz. vol. 133; p. 509.
- Sing Fat Co. Inc., San Francisco, Cal. Chinese and Japanese bronzes, ivory, and carved objects of art and ornament. No. 68,569; Apr. 14; Gaz. vol. 133; p. 1675.
- Singer Manufacturing Company, New York, N. Y. Sewing-machines and attachments. Nos. 69,900-1; July 14; Gaz. vol. 135; p. 446.
- Sioux City Brewing Company, Sioux City, Iowa. Non-intoxicating beer. No. 71,071; Oct. 27; Gaz. vol. 136; p. 1996.
- Sir Isaac Pitman & Sons, Ltd., Bath, England. Books relating to stenography. No. 68,562; Apr. 14; Gaz. vol. 133; p. 1675.
- Sireno Company, New York, N. Y. Mechanical alarm-whistle. No. 70,228; Aug. 11; Gaz. vol. 135; p. 1358.
- Sisca, M., New York, N. Y. Newspaper. No. 70,493; Sept. 8; Gaz. vol. 136; p. 433.
- Skinner, G. M., deceased; M. E. Skinner, executrix, Clayton, N. Y. Fluted spoon baits. No. 69,003; May 12; Gaz. vol. 134; p. 510.
- Skinner, M. E. (See Skinner, G. M.)
- Slater, A. H., Paterson, N. J. Linoleum and oiled cloth. No. 71,194; Nov. 10; Gaz. vol. 137; p. 469.
- Slimmer & Company, M. D., Chicago, Ill. Acid compounds for laundry soaps. No. 67,014; Jan. 14; Gaz. vol. 132; p. 461.
- Sloan & Co., S., Rochester, N. Y. Furnace-boilers. No. 71,604; Dec. 1; Gaz. vol. 137; p. 1234.
- Smetzer Cigar & Tobacco Company, St. Marys, Pa. Cigars. No. 70,708; Sept. 29; Gaz. vol. 136; p. 1063.
- Smith, B. F., Temple, Tex. Carbonated non-alcoholic beverage and syrup for making the same. No. 68,508; Apr. 14; Gaz. vol. 133; p. 1674.
- Smith, B. F., Temple, Tex. Carbonated grape beverage and syrup for making the same. No. 71,913; Dec. 22; Gaz. vol. 137; p. 1934.
- Smith Brewing Company, Youngstown, Ohio. Beer. No. 68,677; Apr. 21; Gaz. vol. 133; p. 1931.
- Smith, C. G., Cumberland, Md. Men's, women's, and children's leather shoes. No. 68,277; Mar. 17; Gaz. vol. 133; p. 759.
- Smith, C. S., Pueblo, Colo. Remedy for falling hair. No. 68,251; Mar. 17; Gaz. vol. 133; p. 758.
- Smith Company, J. P., Columbus, Ohio. Blood-purifier. No. 70,229; Aug. 11; Gaz. vol. 135; p. 1358.
- Smith-Courtney Co., Richmond, Va. Center spuds. No. 70,298; Aug. 18; Gaz. vol. 135; p. 1578.
- Smith, E. E., Lowell, Mass. Roofing-paper. No. 70,377; Aug. 25; Gaz. vol. 135; p. 1798.
- Smith & Egge Mfg. Co., Bridgeport, Conn. Sheet-metal chains. No. 66,937; Jan. 7; Gaz. vol. 132; p. 226.
- Smith & Egge Mfg. Co., Bridgeport, Conn. Sheet-metal chains. No. 67,301; Jan. 28; Gaz. vol. 132; p. 837.
- Smith & Egge Mfg. Co., Bridgeport, Conn. Alloy of metal. No. 67,622; Feb. 11; Gaz. vol. 132; p. 1315.
- Smith, G. F., Woodsboro, Md. Salve. No. 68,116; Mar. 10; Gaz. vol. 133; p. 508.
- Smith, G. F., Woodsboro, Md. Certain toilet preparations. No. 70,866; Oct. 13; Gaz. vol. 136; p. 1527.
- Smith, G. F., Woodsboro, Md. Borated talcum powder. No. 71,615; Dec. 8; Gaz. vol. 137; p. 1477.
- Smith, G. F., Woodsboro, Md. Medicinal soap. No. 71,878; Dec. 22; Gaz. vol. 137; p. 1933.
- Smith, G. H., Fresno, Cal. Remedy for certain diseases. No. 69,496; June 16; Gaz. vol. 134; p. 1799.
- Smith, Hogg & Co., New York, N. Y. Cotton piece goods. Nos. 67,075-80; Jan. 14; Gaz. vol. 132; p. 463.
- Smith, J. G., St. Paul, Minn. Candies. No. 68,755; Apr. 28; Gaz. vol. 133; p. 2174.
- Smith, J. W., Chester, Pa. Certain laces. No. 67,535; Feb. 4; Gaz. vol. 132; p. 1069.
- Smith, J. W., Chester, Pa. Laces. No. 67,653; Feb. 11; Gaz. vol. 132; p. 1316.
- Smith & Kaufmann, New York, N. Y. Sash and hair-bow sets, and hair-bow sets. No. 68,835; Apr. 28; Gaz. vol. 133; p. 2176.
- Smith & Kaufmann, New York, N. Y. Sash and hair-bow sets, and hair-bow sets. Nos. 70,473-4; Sept. 1; Gaz. vol. 136; p. 222.
- Smith Kline and French Company, Philadelphia, Pa. Soaps. No. 68,259; Mar. 17; Gaz. vol. 133; p. 758.
- Smith, L., Mineral Wells, Tex. Mineral waters. No. 67,898; Feb. 25; Gaz. vol. 132; p. 1832.
- Smith-McCord-Townsend D. G. Co., Kansas City, Mo. Overalls, jumpers, work-coats, and work-pants. No. 71,857; Dec. 15; Gaz. vol. 137; p. 1707.
- Smith, R. A., Pana, Ill. Remedy for nervous diseases. No. 69,219; May 26; Gaz. vol. 134; p. 1046.
- Smith & Son, H. E., Worcester, Mass. Leather boots and shoes. No. 68,077; Mar. 3; Gaz. vol. 133; p. 226.
- Smith, W. J., Canfield, Ohio. Seeds, bulbs, and plants. No. 69,335; June 9; Gaz. vol. 134; p. 1557.
- Snyder, B. F., New Kensington, Pa. Remedy for rheumatism. No. 67,423; Feb. 4; Gaz. vol. 132; p. 1066.
- Snyder, M. M., Washburn, W. Va. Hair-restorer. No. 68,353; Mar. 31; Gaz. vol. 133; p. 1184.
- Snyder Med. Co., J. H., Jonesboro, Ark. Liniment. No. 67,799; Feb. 18; Gaz. vol. 132; p. 1582.
- Snyder Med. Co., J. H., Jonesboro, Ark. Fever and headache powders, bitters, liniment, and liver-regulator. No. 67,974; Mar. 3; Gaz. vol. 133; p. 223.
- Soaplake Soap & Mfg. Co., Seattle, Wash. Soap. No. 71,721; Dec. 15; Gaz. vol. 137; p. 1703.
- Sober, C. K., Lewisburg, Pa. Chestnut-trees. No. 70,560; Sept. 15; Gaz. vol. 136; p. 653.
- Società Anonima Ambrosio, Turin, Italy. Kinematographic films and apparatus. No. 71,930; Dec. 22; Gaz. vol. 137; p. 1934.
- Société Anonyme de la Distillerie de la Liqueur Bénédicte de l'Abbaye de Fécamp, Fécamp, France. Liqueur called Benedictine. Nos. 71,552-4; Dec. 1; Gaz. vol. 137; p. 1233.
- Société Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie, Paris, France. Mint cordial. No. 68,657; Apr. 21; Gaz. vol. 133; p. 1931.
- Société Anonyme de la Véritable Liqueur d'Hendaye, Bayonne, France. Liqueurs. No. 71,345; Nov. 17; Gaz. vol. 137; p. 729.
- Société anonyme des Produits Chimiques Spéciaux, Lyon-Monplaisir, France. Certain medicines. No. 67,916; Feb. 25; Gaz. vol. 132; p. 1833.
- Société anonyme des Produits Chimiques Spéciaux, Lyon-Monplaisir, France. Certain medicines and plasters. No. 67,917; Feb. 25; Gaz. vol. 132; p. 1833.
- Société anonyme des Produits Chimiques Spéciaux, Lyon-Monplaisir, France. Certain medicines. Nos. 67,918-19; Feb. 25; Gaz. vol. 132; p. 1833.
- Société Anonyme Le Khedive, Brussels, Belgium, and Paris, France. Cigarettes. Nos. 68,787-8; Apr. 28; Gaz. vol. 133; p. 2175.
- Société Anonyme Montbarbon, Paris, France. Certain electrical supplies. No. 69,397; June 9; Gaz. vol. 134; p. 1559.
- Société Générale des Huiles et Fournitures Industrielles l'Oleo, Paris, France. Certain electrical supplies. No. 69,398; June 9; Gaz. vol. 134; p. 1559.
- Société Generale Suisse de Chocolats, Vevey, Switzerland. Chocolate. No. 67,572; Feb. 11; Gaz. vol. 132; p. 1314.
- Société industrielle et commerciale de la Moto-Rève, Carouge-Acacias, Switzerland. Steam-engines, gas-engines, and explosion-engines. No. 70,230; Aug. 11; Gaz. vol. 135; p. 1358.
- Socetà-Prodti. Chimco. Farmacci. A. Bertelli & C., Milan, Italy. Perfumes for toilet use. No. 69,269; June 2; Gaz. vol. 134; p. 1293.
- Socetà. Prodti. Chimco. Farmacci. A. Bertelli & C., Milan, Italy. Medicated plasters. No. 69,497; June 16; Gaz. vol. 134; p. 1799.
- Socetà. Prodti. Chimco. Farmacci. A. Bertelli & C., Milan, Italy. Certain medical preparations. No. 69,739; June 30; Gaz. vol. 134; p. 2241.
- Sodetzer Co., St. Louis, Mo. Certain remedy. No. 68,960; May 12; Gaz. vol. 134; p. 509.
- Solash, B., New York, N. Y. Cloth hats and caps. No. 69,088; May 19; Gaz. vol. 134; p. 770.
- Solidarity Watch Case Company, Brooklyn, N. Y. Watchcases. Nos. 69,292-3; June 2; Gaz. vol. 134; p. 1294.
- Soliveras, J., Mexico, Mexico. Tonic medicines. No. 68,627; Apr. 21; Gaz. vol. 133; p. 1930.
- Solon Palmer. (See Palmer, E., assignor.)
- Solon Palmer, New York, N. Y. Toilet soap. No. 68,258; Mar. 17; Gaz. vol. 133; p. 758.
- Soltmann, E. G., New York, N. Y. Certain prints. No. 71,414; Nov. 24; Gaz. vol. 137; p. 972.
- Solvay & Cie., Brussels, Belgium. Certain chemicals. No. 72,031; Dec. 29; Gaz. vol. 137; p. 2214.
- Sommer, A., Cambridge, Mass. Certain oils and greases. No. 69,780; July 7; Gaz. vol. 135; p. 213.
- Sommer & Kaufmann, Inc., San Francisco, Cal. Leather and canvas boots and shoes. No. 68,847; Apr. 28; Gaz. vol. 133; p. 2176.
- Sorber, L. S., Philadelphia, Pa. Certain remedy. No. 68,902; May 5; Gaz. vol. 134; p. 252.
- Sorrells Drug Company, Hot Springs, Ark. Medicinal pills for diseases of the liver. No. 70,231; Aug. 11; Gaz. vol. 135; p. 1358.
- Sour Lake Chemical Co., Houston, Tex. Soap. No. 68,366; Mar. 31; Gaz. vol. 133; p. 1184.
- South Bend Watch Company, South Bend, Ind. Watches. No. 67,959; Feb. 25; Gaz. vol. 132; p. 1834.
- Southdown Knitting Co., Allentown, Pa. Women's and misses' ribbed underwear. Nos. 67,302-3; Jan. 28; Gaz. vol. 132; p. 837.
- Southern Cotton Oil Company, Jersey City, N. J.; New York, N. Y.; Savannah, Ga., and Gretna, La. Certain food. Nos. 67,061-2; Jan. 14; Gaz. vol. 132; p. 462.
- Southern Cotton Oil Company, Jersey City, N. J.; New York, N. Y.; Savannah, Ga., and Gretna, La. Cotton-seed oils. No. 69,714; June 30; Gaz. vol. 134; p. 2240.
- Southern Manufacturing Company, Chester, S. C. Certain clothing. No. 71,858; Dec. 15; Gaz. vol. 137; p. 1707.

Alphabetical list of registrants of trade-marks—Continued.

- Southern Medicine Co., Atlanta, Ga. Hair-tonics. No. 69,139; May 19; Gaz. vol. 134; p. 772.
 Southwestern Chemical Company, Muskogee, Okla. Remedies for certain diseases. No. 69,902; July 14; Gaz. vol. 135; p. 446.
 Southworth, W., Paris, France. Liquid tonic for the blood. No. 68,125; Mar. 10; Gaz. vol. 133; p. 508.
 Southworth, W., Paris, France. Liquid tonic for the blood. No. 70,232; Aug. 11; Gaz. vol. 135; p. 1358.
 Sovereign, G. E., Pottersville, N. J. Babbitt metal. No. 71,496; Nov. 24; Gaz. vol. 137; p. 975.
 Sovereign Polish Co., Boston, Mass. Shoe blackings and dressings for black and tan shoes. No. 67,800; Feb. 18; Gaz. vol. 132; p. 1582.
 Sover Company of America, Meadville, Pa. Meat, fish, and game sauces. No. 69,285; June 2; Gaz. vol. 134; p. 1294.
 Sparks Milling Company, Alton, Ill. Wheat-flour. Nos. 69,691-3; June 30; Gaz. vol. 134; p. 2240.
 Speedwell Motor Car Co., Dayton, Ohio. Carriages, carts, buggies, and wagons. No. 69,870; July 14; Gaz. vol. 135; p. 445.
 Speier, S. S., Louisville, Ky. Cigars. No. 68,509; Apr. 14; Gaz. vol. 133; p. 1674.
 Spellman, M. B., Indianapolis, Ind. Remedy in the form of a pastil. No. 72,014; Dec. 29; Gaz. vol. 137; p. 2214.
 Spence, J. W., New York, N. Y. Evaporated soups. No. 70,742; Sept. 29; Gaz. vol. 136; p. 1064.
 Spinks & Co., W. A., Chicago, Ill. Billiard-chalk. No. 70,308; Aug. 18; Gaz. vol. 135; p. 1578.
 Spiro, L., New York, N. Y. Toilet powder for cleansing and beautifying the nails. No. 69,386; June 9; Gaz. vol. 134; p. 1558.
 Spool Cotton Company, Newark, N. J., and New York, N. Y. Cotton thread and yarn. Nos. 69,651-2; June 23; Gaz. vol. 134; p. 2025.
 Sporting Life Publishing Company, Philadelphia, Pa. Newspaper. No. 69,203; May 26; Gaz. vol. 134; p. 1046.
 Sprague & Company, J. A., Columbus, Ohio. Composition tooth-filling. No. 69,413; June 9; Gaz. vol. 134; p. 1559.
 Sprague Electric Company, New York, N. Y. Armored conductors. No. 68,936; May 5; Gaz. vol. 134; p. 253.
 Sprigg, T. F., Baltimore, Md. Toilet-paper. No. 70,168; Aug. 4; Gaz. vol. 135; p. 1118.
 Spring Perch Company, Bridgeport, Conn. Springs for automobiles. No. 68,004; May 12; Gaz. vol. 134; p. 510.
 Springfield Breweries Company, Springfield, Mass. Ale. No. 68,756; Apr. 28; Gaz. vol. 133; p. 2174.
 Sproehle & Company, Chicago, Ill. Watches. No. 71,970; Dec. 22; Gaz. vol. 137; p. 1935.
 Sprung, A. H., New York, N. Y. Cigars. No. 70,917; Oct. 13; Gaz. vol. 136; p. 1529.
 Square Wear Collar Co., Troy, N. Y. Collars made of textile fabric. No. 71,691; Dec. 8; Gaz. vol. 137; p. 1479.
 St. Louis, Rocky Mountain & Pacific Company, Raton, N. Mex. Ter. Coal and coke. No. 68,713; Apr. 28; Gaz. vol. 133; p. 2173.
 St. Louis, Rocky Mountain & Pacific Company, Raton, N. Mex. Ter. Coal. No. 68,714; Apr. 28; Gaz. vol. 133; p. 2173.
 St. Louis, Rocky Mountain & Pacific Company, Raton, N. Mex. Ter. Coke. No. 68,715; Apr. 28; Gaz. vol. 133; p. 2173.
 St. Luke Remedies Co., New York, N. Y. Hair-tonic. No. 67,424; Feb. 4; Gaz. vol. 132; p. 1066.
 St. Mary's Incandescent Lamp Company, St. Marys, Pa. Electric incandescent lamps. Nos. 68,823-4; Apr. 28; Gaz. vol. 133; p. 2176.
 St. Paul Syrup Refining Company, St. Paul, Minn. Maple-syrup. No. 70,441; Sept. 1; Gaz. vol. 136; p. 221.
 Staderman, J. P., Buffalo, N. Y. Inclined-slide amusement devices. No. 67,144; Jan. 21; Gaz. vol. 132; p. 673.
 Staengel & Ziller, Unterturkheim, Germany. Chocolate and cocoa. Nos. 69,618-19; June 23; Gaz. vol. 134; p. 2025.
 Standard-Tilton Milling Company, St. Louis, Mo. Wheat-flour. No. 68,807; Apr. 28; Gaz. vol. 133; p. 2175.
 Standard Biscuit Co., San Francisco, Cal. Ginger-snaps. No. 69,972; July 21; Gaz. vol. 135; p. 658.
 Standard Brewery, Chicago, Ill. Beer. No. 67,654; Feb. 11; Gaz. vol. 132; p. 1316.
 Standard Chemical & Oil Company, Troy, Ala. Guano and bone fertilizer. No. 67,586; Feb. 11; Gaz. vol. 132; p. 1314.
 Standard Electric Works, Racine, Wis. Electrically-actuated massage vibrators and applicators. No. 71,699; Dec. 8; Gaz. vol. 137; p. 1479.
 Standard Fuel Company, Birmingham, Ala. Artificial fuel in the form of briquets. No. 68,038; Mar. 3; Gaz. vol. 133; p. 225.
 Standard Furniture Company, Seattle, Wash. Furniture-polish. No. 68,914; May 5; Gaz. vol. 134; p. 252.
 Standard Gauge Manufacturing Company, Syracuse, N. Y. Oil-filters. No. 71,673; Dec. 8; Gaz. vol. 137; p. 1479.
 Standard Glass Company, Marion, Ind. Glass bottles. No. 71,949; Dec. 22; Gaz. vol. 137; p. 1935.
 Standard Import Co. Ltd., New Orleans, La. Certain food preparations. No. 67,586; Feb. 4; Gaz. vol. 132; p. 1069.
 Standard Import Co., Ltd., New Orleans, La. Tea. No. 69,081; May 19; Gaz. vol. 134; p. 770.
 Standard Milk Flour Co., New York, N. Y. Milk-flour and desiccated milk. No. 68,918; May 5; Gaz. vol. 134; p. 252.
 Standard Music Roll Company, Orange, N. J. Perforated music-rolls. No. 69,232; May 26; Gaz. vol. 134; p. 1047.
 Standard Oil Co. of New York, New York, N. Y. Oil-lamps. Nos. 67,342-3; Jan. 28; Gaz. vol. 132; p. 838.
 Standard Oil Co. of New York, New York, N. Y. Refined petroleum. Nos. 69,674-6; June 30; Gaz. vol. 134; p. 2239.
 Standard Oil Co. of New York, New York, N. Y. Refined petroleum. No. 71,320; Nov. 17; Gaz. vol. 137; p. 728.
 Standard Oil Co. of New York, New York, N. Y. Refined petroleum. No. 71,563; Dec. 1; Gaz. vol. 137; p. 1233.
 Standard Oil Co. of New York, New York, N. Y. Lubricating-oils. No. 71,564; Dec. 1; Gaz. vol. 137; p. 1233.
 Standard Paint Company, Boundbrook, N. J. Composition roofing composition and flooring. No. 69,903; July 14; Gaz. vol. 135; p. 446.
 Standard Paper M'n'g Co., Manchester, Va. Stereotype matrix-paper and stereotype tissue-paper. No. 68,278; Gaz. vol. 133; p. 759.
 Standard Rivet Company, Boston, Mass. Staples. No. 68,211; Mar. 17; Gaz. vol. 133; p. 757.
 Standard Rubber Manufacturing and Supply Company, Trenton, N. J. Printers' blankets. No. 70,309; Aug. 18; Gaz. vol. 135; p. 1578.
 Standard Sanitary Mfg. Co., Pittsburg, Pa. Certain plumbing supplies. No. 69,097; May 19; Gaz. vol. 134; p. 770.
 Standard Sanitary Mfg. Co., Pittsburg, Pa. Bath-tubs, lavatories, and closets. No. 71,823; Dec. 15; Gaz. vol. 137; p. 1706.
 Standard Underground Cable Company, Pittsburg, Pa. Certain electrical conductors and cables. No. 69,871; July 14; Gaz. vol. 135; p. 446.
 Stanicek, M., Chicago, Ill. Cigars. No. 68,196; Mar. 10; Gaz. vol. 133; p. 510.
 Stanley Rule & Level Company, New Britain, Conn. Certain edge-tools. No. 67,119; Jan. 14; Gaz. vol. 132; p. 461.
 Stanley Rule & Level Company, New Britain, Conn. Iron tool-handles. No. 67,226; Jan. 21; Gaz. vol. 132; p. 675.
 Stanley Rule & Level Company, New Britain, Conn. Certain edge-tools. No. 68,867; May 5; Gaz. vol. 134; p. 251.
 Stanley Rule & Level Company, New Britain, Conn. Folding rules. No. 69,172; May 26; Gaz. vol. 134; p. 1045.
 Stanley Rule & Level Company, New Britain, Conn. Folding rules. No. 69,191; May 26; Gaz. vol. 134; p. 1045.
 Star Brass Manufacturing Company, Boston, Mass. Valves and parts thereof. No. 70,085; July 28; Gaz. vol. 135; p. 890.
 Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y. Egg carriers and trays. No. 68,678; Apr. 21; Gaz. vol. 133; p. 1931.
 Stark-Tuscarawas Breweries Co., Canton, Ohio. Beer. No. 68,678; Mar. 3; Gaz. vol. 133; p. 226.
 Stark-Tuscarawas Breweries Co., Canton, Ohio. Beer. No. 69,952; July 21; Gaz. vol. 135; p. 657.
 Starner-Copeland Co., Columbus, Ohio. Leather boots and shoes. No. 72,015; Dec. 29; Gaz. vol. 137; p. 2214.
 Starner-Copeland Company, Columbus, Ohio. Leather shoes. No. 67,679; Feb. 11; Gaz. vol. 132; p. 1316.
 Starr, H., New York, N. Y. Sweaters. No. 70,479; Sept. 8; Gaz. vol. 136; p. 433.
 Stavanger Preserving Company, Stavanger, Norway. Smoked sardines in oil. No. 70,539; Sept. 8; Gaz. vol. 136; p. 434.
 Ste. de la Distillerie du Suprême Fécamp, Fecamp, France. Liqueurs or cordials. No. 67,104; Jan. 14; Gaz. vol. 132; p. 463.
 Sté. des Etablissements Gaumont, Paris, France. Photographic cameras, moving-picture machines, and films. No. 72,032; Dec. 29; Gaz. vol. 137; p. 2214.
 Steefel, Strauss & Connor, Rochester, N. Y. Coats. Nos. 71,195-6; Nov. 10; Gaz. vol. 137; p. 469.
 Steele Wedeles Co., Chicago, Ill. Cigars. No. 70,233; Aug. 11; Gaz. vol. 135; p. 1358.
 Steen & Brother, E., Baltimore, Md. Baled hay and straw. No. 70,181; Aug. 11; Gaz. vol. 135; p. 1357.
 Steigler & Co., G., New York, N. Y. Orange bitters. No. 70,747; Sept. 29; Gaz. vol. 136; p. 1064.
 Stein & Company, A., Chicago, Ill. Garment-supporters, hose-supporters, and arm-bands. No. 68,836; Apr. 28; Gaz. vol. 133; p. 2176.
 Steinberger & Kalisher, San Francisco, Cal. Kid gloves. No. 70,676; Sept. 22; Gaz. vol. 136; p. 844.
 Steinberger & Kalisher, San Francisco, Cal. Kid gloves. Nos. 71,034-5; Oct. 27; Gaz. vol. 136; p. 1995.
 Steiner, Rosenstein & Traub, New York, N. Y. Netted veils. No. 67,537; Feb. 4; Gaz. vol. 132; p. 1069.
 Stephen Ballard Rubber Company, New York, N. Y. Rubber belting, hose, and packing. No. 71,072; Oct. 27; Gaz. vol. 136; p. 1996.
 Sterling Supply Co., Chicago, Ill. Baking-powder. No. 70,402; Aug. 25; Gaz. vol. 135; p. 1799.
 Sterling Supply Co., Chicago, Ill. Perfumes. No. 70,453; Sept. 1; Gaz. vol. 136; p. 222.
 Sterling, W. H., New York, N. Y. Plastic tire-filler. No. 67,941; Feb. 25; Gaz. vol. 132; p. 1833.
 Stern & Co. (Incorporated), Richmond, Va. Leather shoes. No. 66,993; Jan. 7; Gaz. vol. 132; p. 228.
 Stern & Saalberg Co., New York, N. Y. Candies. No. 68,878; May 5; Gaz. vol. 134; p. 251.
 Stern & Saalberg Co., New York, N. Y. Candy. No. 69,285; June 2; Gaz. vol. 134; p. 1294.
 Stern & Saalberg Company, New York, N. Y. Candy. No. 67,279; Jan. 28; Gaz. vol. 132; p. 836.
 Sternberger & Co., S., Philadelphia, Pa. Certain clothing. Nos. 68,500-1; Apr. 14; Gaz. vol. 133; p. 1675.
 Stetson Shoe Company, Weymouth, Mass. Leather boots, shoes, and slippers. No. 69,983; July 21; Gaz. vol. 135; p. 658.
 Stevens Brothers, Cedarville, N. J. Canned fruits and canned vegetables. No. 72,033; Dec. 29; Gaz. vol. 137; p. 2214.
 Stevens & Dow, Haverhill, Mass. Root-beer syrup. No. 70,002; Oct. 20; Gaz. vol. 136; p. 1765.
 Stevens, E., Vega Alta, Porto Rico. Citrus fruits. No. 69,637; June 23; Gaz. vol. 134; p. 2025.
 Stevenson & Howell, Limited, London, England. Certain chemicals. No. 67,879; Feb. 25; Gaz. vol. 132; p. 1832.
 Stevenson & Howell, Limited, London, England. Flavoring essences and flavoring extracts. No. 67,942; Feb. 25; Gaz. vol. 132; p. 1833.
 Stewart, C. H., Rochester, N. Y. Chewing-gum. No. 71,416; Nov. 24; Gaz. vol. 137; p. 972.
 Stewart Co., Moundsville, W. Va. Enameled metal ware. No. 69,294; June 2; Gaz. vol. 134; p. 1294.
 Stewart, Howe & May Co., Jersey City, N. J.; New York, N. Y.; Boston, Mass.; St. Louis, Mo.; Chicago, Ill., and San Francisco, Cal. Shirt-waists. No. 70,480; Sept. 8; Gaz. vol. 136; p. 433.

Alphabetical list of registrants of trade-marks—Continued.

- Stiegler & Co., G., New York, N. Y. Cocktails. No. 70,212; Aug. 11; Gaz. vol. 135; p. 1358.
 Stiegler & Co., G., New York, N. Y. Old Tom straight gin. No. 70,494; Sept. 8; Gaz. vol. 136; p. 433.
 Stiegler & Co., G., New York, N. Y. Gin cocktails. No. 70,695; Sept. 22; Gaz. vol. 136; p. 844.
 Stiegler & Co., G., New York, N. Y. Straight sloe gin. No. 70,003; Oct. 20; Gaz. vol. 136; p. 1765.
 Stirm, L. & E., New York, N. Y. Silk piece goods. No. 67,749; Feb. 18; Gaz. vol. 132; p. 1580.
 Stirm, L. & E., New York, N. Y. Ribbons. No. 70,299; Aug. 18; Gaz. vol. 135; p. 1578.
 Stirm, L. & E., New York, N. Y. Silk piece goods. No. 70,900; Oct. 13; Gaz. vol. 136; p. 1528.
 Stirm, L. & E., New York, N. Y. Satin ribbons. No. 71,692; Dec. 8; Gaz. vol. 137; p. 1479.
 Stirm, L. & E., New York, N. Y. Taffeta ribbons. No. 72,016; Dec. 29; Gaz. vol. 137; p. 2214.
 Stitzel Distilling Company, Louisville, Ky. Whisky. No. 66,954; Jan. 7; Gaz. vol. 132; p. 226.
 Stock Food Company of America, Minneapolis, Minn. Stock-tonics. No. 67,366; Jan. 28; Gaz. vol. 132; p. 838.
 Storz Brewing Co., Omaha, Nebr. Beer. No. 69,620; June 23; Gaz. vol. 134; p. 2025.
 Stout, J. H., Milton, Pa. Remedy for certain diseases. No. 70,403; Aug. 25; Gaz. vol. 135; p. 1799.
 Stover, J. W., Grand Rapids, Mich. Remedy in liquid form for the cure of inflammation and granulation of the eyes. No. 70,848; Oct. 13; Gaz. vol. 136; p. 1527.
 Strahl, F. M., Erie, Pa. Molders' shoes. No. 71,839; Dec. 15; Gaz. vol. 137; p. 1706.
 Strahl, R., Brooklyn, N. Y. Underskirts and overskirts of cotton, silk, and mixed fabrics. No. 70,201; Aug. 11; Gaz. vol. 135; p. 1357.
 Straitsville Impervious Brick Co., New Straitsville, Ohio. Brick. No. 70,421; Aug. 25; Gaz. vol. 135; p. 1799.
 Strasbaugh, Silver & Co., Aberdeen, Md. Canned vegetables. No. 69,713; June 30; Gaz. vol. 134; p. 2240.
 Strasburger & Co., B. D., New York, N. Y. Watches and watch-movements. Nos. 66,998-67,001; Gaz. vol. 132; p. 228.
 Straus, H., New York, N. Y. Finger-nail polishers. No. 71,722; Dec. 15; Gaz. vol. 137; p. 1703.
 Straus Saddlery Company, St. Louis, Mo. Certain harness and parts thereof. No. 71,605; Dec. 1; Gaz. vol. 137; p. 1234.
 Strause Mfg Co., A. S., Philadelphia, Pa. Hair-tonic. No. 71,243; Nov. 10; Gaz. vol. 137; p. 470.
 Strauss, Brothers & Co., New York, N. Y. Harmonicas. No. 68,260; Mar. 17; Gaz. vol. 133; p. 753.
 Strauss & Co., A., New York, N. Y. Razors. No. 69,192; May 26; Gaz. vol. 134; p. 1045.
 Strauss & Co., I., New York, N. Y. Certain articles of crockery, earthenware, and porcelain. No. 68,598; Apr. 21; Gaz. vol. 133; p. 1929.
 Strawbridge & Clothier, Philadelphia, Pa. Lawns. No. 68,319; Mar. 24; Gaz. vol. 133; p. 918.
 Strawbridge & Clothier, Philadelphia, Pa. Leather gloves. No. 68,458; Apr. 7; Gaz. vol. 133; p. 1431.
 Strawbridge & Clothier, Philadelphia, Pa. Leather gloves. No. 68,879; May 5; Gaz. vol. 134; p. 251.
 Strawsons, London, England. Insecticides. No. 67,880; Feb. 25; Gaz. vol. 132; p. 1832.
 Streett & Company, J. D., St. Louis, Mo. Lath-yarn. No. 70,036; July 28; Gaz. vol. 135; p. 890.
 Streett and Corkran Company, Baltimore, Md. Hams and bacon. No. 69,069; May 19; Gaz. vol. 134; p. 770.
 Strobel & Wilken Co., New York, N. Y. Tops. No. 68,769; Apr. 28; Gaz. vol. 133; p. 2174.
 Stroh Brewing Company, Detroit, Mich. Beer, ale, stout, and malt extract. No. 70,922; Oct. 13; Gaz. vol. 136; p. 1529.
 Stroh Brewery Company, Detroit, Mich. Beer, brown stout, porter, and malt extract. No. 71,606; Dec. 1; Gaz. vol. 137; p. 1234.
 Strohmeyer & Arpe Company, New York, N. Y. Certain sea foods. Nos. 67,163-9; Jan. 21; Gaz. vol. 132; p. 674.
 Strohmeyer & Arpe Company, New York, N. Y. Olive-oil. No. 67,727; Feb. 18; Gaz. vol. 132; p. 1580.
 Strohmeyer & Arpe Company, New York, N. Y. Salad-oil. No. 67,728; Feb. 18; Gaz. vol. 132; p. 1580.
 Strohmeyer & Arpe Company, New York, N. Y. Certain sea foods. No. 67,729; Feb. 18; Gaz. vol. 132; p. 1580.
 Strohmeyer & Arpe Company, New York, N. Y. Certain oils. No. 68,002; Mar. 3; Gaz. vol. 133; p. 224.
 Strohmeyer & Arpe Company, New York, N. Y. Malt preparation for making a beverage. No. 68,447; Apr. 7; Gaz. vol. 133; p. 1431.
 Strohmeyer & Arpe Company, New York, N. Y. Certain canned sea foods. No. 68,658; Apr. 21; Gaz. vol. 133; p. 1931.
 Strohmeyer & Arpe Company, New York, N. Y. Sardines and canned fish. No. 69,365; June 9; Gaz. vol. 134; p. 1558.
 Strohmeyer & Arpe Company, New York, N. Y. Alcoholic punch. No. 69,472; June 16; Gaz. vol. 134; p. 1798.
 Strohmeyer & Arpe Company, New York, N. Y. Mackerel and herrings. No. 69,506; June 23; Gaz. vol. 134; p. 2024.
 Strohmeyer & Arpe Company, New York, N. Y. Matches. No. 69,763; July 7; Gaz. vol. 135; p. 213.
 Strohmeyer & Arpe Company, New York, N. Y. Snuff. No. 71,824; Dec. 15; Gaz. vol. 137; p. 1706.
 Strong-Battelle Manufacturing Company, Bellaire, Ohio. Enameled-steel cooking utensils and enameled washing and drinking vessels. No. 70,582; Sept. 15; Gaz. vol. 136; p. 654.
 Strong Machinery & Supply Co., New York, N. Y. Hydraulic packing. No. 68,279; Mar. 17; Gaz. vol. 133; p. 759.
 Stumpf, J., Gretna, La. Poisonous ant-paper. No. 70,529; Sept. 8; Gaz. vol. 136; p. 434.
 Sturges & Burn Mfg. Co., Chicago, Ill. Ice-cream freezers. No. 66,955; Jan. 7; Gaz. vol. 132; p. 226.
 Stuyvesant Chocolate Company, New York, N. Y. Chocolates and candies. No. 68,757; Apr. 28; Gaz. vol. 133; p. 2174.
 Styles & Cash, New York, N. Y. Lead-pencils. Nos. 70,677-8; Sept. 22; Gaz. vol. 136; p. 844.
 Sub-Marine Paint Company, Portland, Me. Paints. No. 69,082; May 19; Gaz. vol. 134; p. 770.
 Suchard Société Anonyme, Neuchâtel, Switzerland. Chocolate. Nos. 68,884-6; May 5; Gaz. vol. 134; pp. 251-2.
 Sudbury, E. B., New York, N. Y. Hosiery and gloves of all kinds. No. 70,113; July 28; Gaz. vol. 135; p. 891.
 Sudbury, E. B., New York, N. Y. Hosiery of all kinds. No. 70,114; July 28; Gaz. vol. 135; p. 891.
 Sultan, F. W., St. Louis, Mo. Laxative tablets. No. 67,367; Jan. 28; Gaz. vol. 132; p. 838.
 Sulzbach, J., New York, N. Y. Ribbons. No. 67,199; Jan. 21; Gaz. vol. 132; p. 675.
 Summit City Soap Works, Fort Wayne, Ind. Soap and soap powder. No. 70,819; Oct. 6; Gaz. vol. 136; p. 1294.
 Sumter Bottling Works, Sumter, S. C. Non-alcoholic carbonated sweetened beverages. No. 70,633; Sept. 15; Gaz. vol. 136; p. 655.
 Sun Company, Philadelphia, Pa. Lubricating-oils. No. 70,804; Oct. 6; Gaz. vol. 136; p. 1293.
 Sun Typewriter Company, Newark, N. J. Type-writing machines. No. 71,321; Nov. 17; Gaz. vol. 137; p. 728.
 Sunbeam Incandescent Lamp Company, New York, N. Y. Incandescent electric lamps. No. 69,399; June 9; Gaz. vol. 134; p. 1559.
 Sunbeam Incandescent Lamp Company, Chicago, Ill. Incandescent electric lamps. No. 70,213; Aug. 11; Gaz. vol. 135; p. 1358.
 Sunbeam Incandescent Lamp Company, Chicago, Ill. Incandescent electric lamps. No. 70,679; Sept. 22; Gaz. vol. 136; p. 844.
 Sunny Side Distilling Co., Cincinnati, Ohio. Pure rye whisky. No. 68,165; Mar. 10; Gaz. vol. 133; p. 509.
 Supplee Hardware Company, Philadelphia, Pa. Shovels, spades, scoops, and hammers. No. 68,025; Mar. 3; Gaz. vol. 133; p. 224.
 Supplee Hardware Company, Philadelphia, Pa. Hatchets and axes. No. 68,026; Mar. 3; Gaz. vol. 133; p. 224.
 Supplementary Spiral Spring Company, St. Louis, Mo. Automobile, carriage, and wagon springs. No. 68,825; Apr. 28; Gaz. vol. 133; p. 2176.
 Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk-mixed piece goods. No. 67,063; Jan. 14; Gaz. vol. 132; p. 462.
 Susquehanna Silk Mills, New York, N. Y. Silk piece goods. No. 67,081; Jan. 14; Gaz. vol. 132; p. 463.
 Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk-mixed piece goods. No. 67,082; Jan. 14; Gaz. vol. 132; p. 463.
 Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk-mixed piece goods. No. 71,693; Dec. 8; Gaz. vol. 137; p. 1479.
 Sutton Sons & Co., G. F., London, England. Preparations of ammonia for use as a detergent. No. 68,087; Mar. 10; Gaz. vol. 133; p. 507.
 Sutton, T. A., Johnstown, N. Y. Hand-bags. No. 68,280; Mar. 17; Gaz. vol. 133; p. 759.
 Sutton, T. A., Johnstown, N. Y. Glove-buttons. No. 69,740; June 30; Gaz. vol. 134; p. 2241.
 Swain, G. W., Brooklyn, N. Y. Powdered preparation for making mayonnaise dressing. No. 70,442; Sept. 1; Gaz. vol. 136; p. 221.
 Swartwout, G. A., Baltimore, Md., assignor to Pyro Chemical Company. Tooth-paste and tooth-wash. No. 71,723; Dec. 15; Gaz. vol. 137; p. 1703.
 Sweet, Orr & Company, New York, Newburgh, Wappingers Falls, and Brooklyn, N. Y., and Joliet, Ill. Overalls and the coats to match the same. No. 68,459; Apr. 7; Gaz. vol. 133; p. 1431.
 Sweet, Orr & Co., New York, Newburgh, and Wappingers Falls, N. Y.; Joliet, Ill., and Brooklyn, N. Y. Overalls. No. 69,323; June 2; Gaz. vol. 134; p. 1295.
 Sweet Orr & Co., New York, Newburgh, and Wappingers Falls, N. Y.; Joliet, Ill., and Brooklyn, N. Y. Play-suits or rompers. Nos. 71,036-7; Oct. 27; Gaz. vol. 136; p. 1996.
 Sweet, Orr & Co., New York, Newburgh, and Wappingers Falls, N. Y.; Joliet, Ill., and Brooklyn, N. Y. Men's and youths' pants. No. 71,454; Nov. 24; Gaz. vol. 137; p. 973.
 Swenning, R. T., Los Angeles, Cal. Indelible ink, indelible tapestry-ink, and indelible fixative. No. 70,945; Oct. 20; Gaz. vol. 136; p. 1763.
 Swertfager, C. H., Jr., Utica, N. Y. Tobacco scraps or clippings. No. 70,214; Aug. 11; Gaz. vol. 135; p. 1358.
 Swift & Company, Chicago, Ill. Butter. No. 68,430; Apr. 7; Gaz. vol. 133; p. 1430.
 Swift and Company, Chicago, Ill. Lard, oleomargarin, and certain meats. No. 68,448; Apr. 7; Gaz. vol. 133; p. 1431.
 Swift & Company, Chicago, Ill. Soap. No. 69,140; May 19; Gaz. vol. 134; p. 772.
 Switzer, F. M., St. Louis, Mo. Candy. No. 70,061; July 28; Gaz. vol. 135; p. 889.
 Syracuse Chilled Plow Co., Syracuse, N. Y. Plows and parts thereof. Nos. 71,075-6; Oct. 27; Gaz. vol. 136; p. 1997.
 System Company, Chicago, Ill. Magazines. No. 67,844; Feb. 18; Gaz. vol. 132; p. 1583.
 System Company, Chicago, Ill. Printed books of instruction issued serially. No. 70,443; Sept. 1; Gaz. vol. 136; p. 221.
 System Company, Chicago, Ill. Magazines. No. 70,780; Oct. 6; Gaz. vol. 136; p. 1293.
 T. W. Armstrong Co., New York, N. Y. Abrasive metal-polishes. No. 67,008; Jan. 14; Gaz. vol. 132; p. 461.
 Tacoma Grain Company, Tacoma, Wash. Wheat-flour. No. 70,743; Sept. 29; Gaz. vol. 136; p. 1064.

Alphabetical list of registrants of trade-marks—Continued.

- Talcum Puff Company, Inc., Asheville, N. C. Talcum powder. No. 67,368; Jan. 28; Gaz. vol. 132; p. 838.
- Tandy, J. L., Kansas City, Mo. Certain furniture. No. 67,881; Feb. 25; Gaz. vol. 132; p. 1832.
- Tange Lashley Co., Cleveland, Ohio. Tea. No. 68,887; May 5; Gaz. vol. 134; p. 252.
- Tanqueray Gordon & Co. Limited, London, England. Jamaica rum. No. 68,367; Mar. 31; Gaz. vol. 133; p. 1184.
- Tanqueray Gordon & Co. Limited, London, England. Sloe gin. No. 68,368; Mar. 31; Gaz. vol. 133; p. 1184.
- Tanqueray Gordon & Co. Limited, London, England. Gin. No. 68,640; Apr. 21; Gaz. vol. 133; p. 1930.
- Taubel, W. F., Riverside, N. J. Stockings. No. 69,204; May 26; Gaz. vol. 134; p. 1046.
- Theo-Burt Co., Holyoke, Mass. Paper, envelopes, and cover-boards. No. 71,322; Nov. 17; Gaz. vol. 137; p. 728.
- Taylor, F. L., Philadelphia, Pa. Furniture-polish. No. 71,215; Nov. 10; Gaz. vol. 137; p. 470.
- Taylor, M. E., Dallas, Tex. Soap. No. 70,777; Sept. 29; Gaz. vol. 136; p. 1065.
- Technical Supply Company, Scranton, Pa. Drawing-inks. No. 70,511; Sept. 8; Gaz. vol. 136; p. 434.
- Teller, Sternfeld & Company, Philadelphia, Pa. Ladies' waists and wash-suits. No. 70,561; Sept. 15; Gaz. vol. 136; p. 653.
- Tennessee Coffee Company, Nashville, Tenn. Roasted and ground coffee. Nos. 69,193-4; May 26; Gaz. vol. 134; p. 1045.
- Tennessee Coffee Company, Nashville, Tenn. Roasted and ground coffee. Nos. 70,070-1; July 28; Gaz. vol. 135; p. 890.
- Terre Haute Brewing Company, Terre Haute, Ind. Malt beverage. No. 71,565; Dec. 1; Gaz. vol. 137; p. 1233.
- Texas Company, Beaumont and Houston, Tex. Naphtha, benzine, and gasolene. No. 70,901; Oct. 13; Gaz. vol. 136; p. 1528.
- Texas Overall Company, Fort Worth, Tex. Overalls, jumpers, and trousers. No. 67,521; Feb. 4; Gaz. vol. 132; p. 1068.
- Texas Star Flour Mills, Galveston, Tex. Wheat-flour. No. 67,083; Jan. 14; Gaz. vol. 132; p. 463.
- Thamm, A., Berlin, Germany. Remedy for tuberculosis. No. 69,741; June 30; Gaz. vol. 134; p. 2241.
- Theo. Hamm Brewing Co., St. Paul, Minn. Malt extract. No. 67,369; Jan. 28; Gaz. vol. 132; p. 838.
- Theobald & Oppenheimer Co., Philadelphia, Pa. Cigars. No. 70,310; Aug. 18; Gaz. vol. 135; p. 1578.
- Theodore H. Davies & Co. (See Noble, B. E., assignor.)
- Theodore Metcalf Company, Boston, Mass. Medicinal tonic preparations. No. 69,904; July 14; Gaz. vol. 135; p. 446.
- Theodore Metcalf Company, Boston, Mass. Certain chemical preparations. No. 69,942; July 21; Gaz. vol. 135; p. 657.
- Theoline Chemical Company, New York, N. Y., and Bridgeport, Conn. Liniments. No. 67,920; Feb. 25; Gaz. vol. 132; p. 1833.
- Thermos-Gesellschaft m. b. H., Berlin, Germany. Double-walled glass vessels with vacuum between the walls. No. 67,002; Jan. 7; Gaz. vol. 132; p. 228.
- Thlinket Packing and Trading Co., Portland, Oreg. Canned salmon. Nos. 67,323-4; Jan. 28; Gaz. vol. 132; p. 837.
- Thomas G. Plant Co., Boston, Mass. Leather shoes, leather soles, and felt insoles. No. 69,568; June 23; Gaz. vol. 134; p. 2023.
- Thomas G. Plant Company, Boston, Mass. Hosiery. No. 70,481; Sept. 8; Gaz. vol. 136; p. 433.
- Thomas Harper & Sons, Ltd., London, England. Hand sewing-needles and knitting-needles. No. 68,431; Apr. 7; Gaz. vol. 133; p. 1430.
- Thomas Laughlin Company, Portland, Me. Certain hardware. No. 71,266; Nov. 10; Gaz. vol. 137; p. 471.
- Thomas Nelson & Sons, New York, N. Y. Loose-leaf encyclopedias. No. 71,950; Dec. 22; Gaz. vol. 137; p. 1935.
- Thomas, V. B., New York, N. Y. Certain toilet preparations. No. 71,265; Nov. 10; Gaz. vol. 137; p. 471.
- Thomas, V. B., New York, N. Y. Face-cream. No. 71,516; Dec. 1; Gaz. vol. 137; p. 1231.
- Thompson, A., Trenton, N. J. Wheat-flour. No. 69,860; July 14; Gaz. vol. 135; p. 445.
- Thompson, M. E., New York, N. Y. Certain contrivance of human hair. No. 69,414; June 9; Gaz. vol. 134; p. 1559.
- Thomson Wood Finishing Co., Philadelphia, Pa. Varnishes, enamels, and varnish-paints. No. 67,845; Feb. 18; Gaz. vol. 132; p. 1583.
- Thomson Wood Finishing Co., Philadelphia, Pa. Certain painters' materials. No. 68,484; Apr. 14; Gaz. vol. 133; p. 1673.
- Thornton & Chester Milling Company, Buffalo, N. Y. Wheat-flour. No. 67,064; Jan. 14; Gaz. vol. 132; p. 462.
- Thos. Harper & Sons Ltd., London, England. Crewel-needles for hand-sewing. No. 67,702; Feb. 18; Gaz. vol. 132; p. 1579.
- Thos. Moore Distilling Company, McKeesport, Pa. Whisky. No. 67,640; Feb. 11; Gaz. vol. 132; p. 1315.
- Thos. W. Houchin Co., New York, N. Y. Alcohol-burners. No. 68,937; May 5; Gaz. vol. 134; p. 253.
- Threefoot Bros. & Co., Meridian, Miss. Wheat-flour. Nos. 69,694-6; June 30; Gaz. vol. 134; p. 2240.
- Threefoot Bros. & Co., Meridian, Miss. Riding-saddles and harness. No. 71,088; Oct. 27; Gaz. vol. 136; p. 1997.
- Throckmorton, J. A., Sidney, Ohio. Seat-pads designed to protect the body and limbs from cold. No. 68,177; Mar. 10; Gaz. vol. 133; p. 509.
- Tileston, H. M., Chicago, Ill. Ointments. No. 67,145; Jan. 21; Gaz. vol. 132; p. 673.
- Tilly, C. D., Harlem, Netherlands. Medicinal oil for internal and external use. No. 71,517; Dec. 1; Gaz. vol. 137; p. 1231.
- Tilton & Keeler, New York, N. Y. Cotton piece goods. No. 67,084; Jan. 14; Gaz. vol. 132; p. 463.
- Tim & Co., New York, N. Y. Men's undershirts, drawers, and pajamas. No. 70,977; Oct. 20; Gaz. vol. 136; p. 1764.
- Tip Top Soap Stone Company, Philadelphia, Pa. Quarried soapstone. No. 69,932; July 21; Gaz. vol. 135; p. 657.
- Tishenbanner, F. J., Gilmore City, Iowa. Remedy for bowel complaint in poultry. No. 67,425; Feb. 4; Gaz. vol. 132; p. 1066.
- To-Ko Company, Hagerstown, Md. Flavoring-syrups for non-alcoholic beverages. No. 70,919; Oct. 13; Gaz. vol. 136; p. 1529.
- Tobin, J. J., Fond du Lac, Wis. Non-alcoholic carbonated beverage. No. 72,075; Dec. 29; Gaz. vol. 137; p. 2215.
- Tobin, J. M., New York, N. Y. Toilet cream. No. 68,126; Mar. 10; Gaz. vol. 133; p. 508.
- Toes-O-K Medical Company, Welland, Ontario Canada. Remedies for corns, calli, and bunions. No. 67,426; Feb. 4; Gaz. vol. 132; p. 1066.
- Toledo Chewing Gum Company, Toledo, Ohio. Chewing-gum. No. 71,825; Dec. 15; Gaz. vol. 137; p. 1706.
- Tolle, C. R., Los Angeles, Cal. Rock-cider. No. 67,344; Jan. 28; Gaz. vol. 132; p. 838.
- Tomlinson, T., Tate Springs, Tenn. Natural mineral water. No. 71,792; Dec. 15; Gaz. vol. 137; p. 1705.
- Tomlinson, W. R., Partick, Scotland. Certain leather goods. No. 66,994; Jan. 7; Gaz. vol. 132; p. 228.
- Toomey, D. P., Boston, Mass. Monthly magazines. No. 69,973; July 21; Gaz. vol. 135; p. 658.
- Tootle Campbell Dry Goods Co., St. Joseph, Mo. Cotton piece goods. No. 71,078; Oct. 27; Gaz. vol. 136; p. 1997.
- Tootle Campbell Dry Goods Co., St. Joseph, Mo. Suspenders, neckties, and neckscarfs. No. 71,077; Oct. 27; Gaz. vol. 136; p. 1997.
- Tootle Campbell Dry Goods Co., St. Joseph, Mo. Cotton piece goods. No. 71,323; Nov. 17; Gaz. vol. 137; p. 728.
- Tootle Campbell Dry Goods Co., St. Joseph, Mo. Suspenders, neckties, and scarfs. No. 71,455; Nov. 24; Gaz. vol. 137; p. 973.
- Tootle Campbell Dry Goods Co., St. Joseph, Mo. Certain clothing. No. 72,017; Dec. 29; Gaz. vol. 137; p. 2214.
- Torsion Balance Company, New York, N. Y. Balances and scales. No. 69,102; May 19; Gaz. vol. 134; p. 771.
- "Tot" Company, Milan, Italy. Remedies for indigestion. No. 67,427; Feb. 4; Gaz. vol. 132; p. 1066.
- Touraine Confectionery Co., Boston, Mass. Chocolates. No. 67,559; Feb. 11; Gaz. vol. 132; p. 1313.
- Touraine Confectionery Co., Boston, Mass. Chocolates. No. 71,244; Nov. 10; Gaz. vol. 137; p. 470.
- Tower Mfg. & Nov. Co., New York, N. Y. Paper-fasteners. No. 71,079; Oct. 27; Gaz. vol. 136; p. 1997.
- Towie Maple Syrup Company, St. Paul, Minn. Molasses. No. 70,062; July 28; Gaz. vol. 135; p. 889.
- Towie Maple Syrup Company, St. Paul, Minn. Blend of cane and maple syrups. No. 71,654; Dec. 8; Gaz. vol. 137; p. 1478.
- Trenton Iron Company, Trenton, N. J. Wire rope and cables. No. 70,583; Sept. 15; Gaz. vol. 136; p. 654.
- Trevor, W., New York, N. Y. Ladies' neckties. Nos. 68,837-8; Apr. 28; Gaz. vol. 133; p. 2176.
- Trimble, R. D., Richmond, Va. Compress tea. No. 71,566; Dec. 1; Gaz. vol. 137; p. 1233.
- Tripena Chemical Co., New York, N. Y. Antiseptic solutions and compounds. No. 69,953; July 21; Gaz. vol. 135; p. 658.
- Treffer, H. H., Davenport, Iowa. Corsets. No. 69,089; May 19; Gaz. vol. 134; p. 770.
- Tropon Works, New York, N. Y. Medicinal preparations containing albumen. No. 72,055; Dec. 29; Gaz. vol. 137; p. 2215.
- Trosky, B., New York, N. Y. Hat-wire. No. 70,680; Sept. 22; Gaz. vol. 136; p. 844.
- Troup and Co., Mrs. B. F., Ashland, Ohio. Remedy for coughs and colds. No. 70,234; Aug. 11; Gaz. vol. 135; p. 1358.
- Trowbridge Chocolate Chip Company, Meadville, Pa. Nut-taffy. No. 71,216; Nov. 10; Gaz. vol. 137; p. 470.
- Troy Knitting Company, Troy, N. Y. Men's, women's, and children's knitted underwear. No. 67,003; Jan. 7; Gaz. vol. 132; p. 228.
- Troy Laundry Machinery Company Limited, Troy, N. Y., and Chicago, Ill. Certain laundry-machines. No. 72,082; Dec. 29; Gaz. vol. 137; p. 2216.
- Truesdell, G. A., Winthrop Harbor, Ill. Antiseptic medicinal preparation. No. 67,695; Feb. 18; Gaz. vol. 132; p. 1579.
- Tucker Pharmaceutical Co., Brooklyn, N. Y. Remedy for epilepsy. No. 67,770; Feb. 18; Gaz. vol. 132; p. 1581.
- Tufts & Friedman, Lynn, Mass. Leather and canvas boots and shoes. No. 69,541; June 16; Gaz. vol. 134; p. 1800.
- Tungsten Electric Lamp Company, Cleveland, Ohio. Incandescent electric lamps. No. 69,005; May 12; Gaz. vol. 134; p. 510.
- Tunnessen, W., Hazleton, Pa. Miner's or driver's oil-lamp. No. 71,245; Nov. 10; Gaz. vol. 137; p. 471.
- Turnbull Wagon Company, Defiance, Ohio. Farm and truck wagons. No. 67,606; Feb. 11; Gaz. vol. 132; p. 1314.
- Turrill, S. M., Cincinnati, Ohio. Hair-remover. No. 68,127; Mar. 10; Gaz. vol. 133; p. 508.
- Tuttle, D. M., Canastota, N. Y. Sparking plugs. No. 70,404; Aug. 25; Gaz. vol. 135; p. 1799.
- Twin City Varnish Company, St. Paul, Minn. Varnishes. No. 69,350; June 9; Gaz. vol. 134; p. 1557.
- Tyer Rubber Co., Andover, Mass. Syringes, water-bottles, atomizers, and nipples. No. 70,495; Sept. 8; Gaz. vol. 136; p. 433.
- Tyndale, W. C., Geneva and Chicago, Ill. Medicine used in the treatment of pulmonary diseases. No. 67,388; Jan. 28; Gaz. vol. 132; p. 839.
- U. S. Hame Company, Buffalo, N. Y. Hames and trimmings therefor. No. 67,960; Feb. 25; Gaz. vol. 132; p. 1834.
- U. S. Hame Company, Buffalo, N. Y. Finishing-oil preparation. No. 69,295; June 2; Gaz. vol. 134; p. 1294.
- U. S. Hame Company, Buffalo, N. Y. Hames and attachments therefor. No. 69,415; June 9; Gaz. vol. 134; p. 1559.
- U. S. Horse Radish Co., Saginaw, Mich. Syrups for soda-water. No. 70,496; Sept. 8; Gaz. vol. 136; p. 433.

Alphabetical list of registrants of trade-marks—Continued.

- U. S. Horse Radish Co., Saginaw, Mich. Popcorn, cereal breakfast foods, and hominy. No. 71,537; Dec. 1; Gaz. vol. 137; p. 1232.
- U. S. Horse Radish Co., Saginaw, Mich. Certain foods. No. 71,538; Dec. 1; Gaz. vol. 137; p. 1232.
- U. S. Mill Supply Co., Providence, R. I. Lubricating oils and greases. No. 70,820; Oct. 6; Gaz. vol. 136; p. 1294.
- Udolpho Wolfe Company, New York, N. Y. Aromatic Schiedam schnapps. No. 67,624; Feb. 11; Gaz. vol. 132; p. 1315.
- Udwin, M. L., Chicago, Ill. Sad-irons. No. 70,946; Oct. 20; Gaz. vol. 136; p. 1763.
- Uhrig, J., Chillicothe, Ohio. Remedy for rheumatism, sprains, bruises, and burns. No. 70,821; Oct. 6; Gaz. vol. 136; p. 1294.
- Ulmann & Co., B., New York, N. Y. Yarns. No. 67,801; Feb. 18; Gaz. vol. 132; p. 1582.
- Ulrici, C. J., New York, N. Y. Medicinal cordial-wine. No. 67,033; Jan. 14; Gaz. vol. 132; p. 461.
- Underwood Typewriter Company, New York, N. Y. Stenciling-machines and waxed stencil-sheets. No. 67,655; Feb. 11; Gaz. vol. 132; p. 1316.
- Underwood Typewriter Company, New York, N. Y. Type-writing machines and parts thereof. No. 68,292; Mar. 24; Gaz. vol. 133; p. 987.
- Underwood Typewriter Company, New York, N. Y. Type-writing machines and type-writing-machine parts. No. 68,628; Apr. 21; Gaz. vol. 133; p. 1930.
- Ungarische Gummiwaarenfabriks Actiengesellschaft, Budapest, Austria-Hungary. Rubber and asbestos packing. No. 68,839; Apr. 28; Gaz. vol. 133; p. 2176.
- Union Bag & Paper Company, New York, N. Y. Paper bags. No. 68,079; Mar. 3; Gaz. vol. 133; p. 226.
- Union Bag & Paper Company, New York, N. Y. Paper bags. No. 68,079; Apr. 21; Gaz. vol. 133; p. 1931.
- Union Bag & Paper Company, New York, N. Y. Paper bags. No. 69,542; June 16; Gaz. vol. 134; p. 1800.
- Union Bag & Paper Company, New York, N. Y. Paper bags. No. 71,217; Nov. 10; Gaz. vol. 137; p. 470.
- Union Carbide Company, Chicago, Ill. Calcium carbide. No. 71,518; Dec. 1; Gaz. vol. 137; p. 1231.
- Union Card & Paper Co., New York, N. Y. Bond-paper and linen envelopes and bristol-boards. No. 67,656; Feb. 11; Gaz. vol. 132; p. 1316.
- Union Card & Paper Co., New York, N. Y. Bond-paper and bristol-boards. No. 67,657; Feb. 11; Gaz. vol. 132; p. 1316.
- Union Cement and Lime Company, Louisville, Ky. Cement, lime, and plaster-of-paris. No. 67,403; Feb. 4; Gaz. vol. 132; p. 1065.
- Union Condensed Milk Company, New York, N. Y. Certain foods. Nos. 71,080-1; Oct. 27; Gaz. vol. 136; p. 1997.
- Union Distilling Co., Cincinnati, Ohio. Whisky. No. 68,789; Apr. 28; Gaz. vol. 133; p. 2175.
- Union Fork and Hoe Company, Columbus, Ohio. Hoes, rakes, agricultural forks, and potato-hooks. No. 70,235; Aug. 11; Gaz. vol. 135; p. 1358.
- Union Guano Company, Winston Salem, N. C. Fertilizers. Nos. 68,599-602; Apr. 21; Gaz. vol. 133; p. 1929.
- Union Guano Company, Winston Salem, N. C. Fertilizers. No. 68,944; May 12; Gaz. vol. 134; p. 503.
- Union Knitting Company, St. Johnsville, N. Y. Knitted ribbed underwear. No. 71,971; Dec. 22; Gaz. vol. 137; p. 1935.
- Union Metallic Cartridge Company, Bridgeport, Conn. 12-gage loaded paper shot-shells. Nos. 69,933-4; July 21; Gaz. vol. 135; p. 657.
- Union Metallic Cartridge Company, Bridgeport, Conn. Loaded shells. Nos. 71,483-6; Nov. 24; Gaz. vol. 137; p. 974.
- Union Oil Company, West New York, N. J. Cotton-seed oil. No. 70,965; Oct. 20; Gaz. vol. 136; p. 1764.
- Union Starch Co., Edinburg, Ind. Laundry starch. No. 68,528; Apr. 14; Gaz. vol. 133; p. 1674.
- Union Stove Works, New York, N. Y. Stoves, ranges, furnaces, and radiators. No. 68,938; May 5; Gaz. vol. 134; p. 253.
- United Chemical Company, Minneapolis, Minn. Liquid for deodorizing and destroying germs and insects. No. 71,616; Dec. 8; Gaz. vol. 137; p. 1477.
- United Drug Company, Jersey City, N. J. Candy. Nos. 66,938-9; Jan. 7; Gaz. vol. 132; p. 226.
- United Drug Company, Boston, Mass. Certain toilet preparations. No. 68,117; Mar. 10; Gaz. vol. 133; p. 508.
- United Drug Company, Boston, Mass. Hot-water bags or bottles and fountain-syringes. No. 71,700; Dec. 8; Gaz. vol. 137; p. 1479.
- United Incubator and Poultry Supply Manufacturing Company, New York, N. Y., and Boundbrook, N. J. Insecticides and disinfectants. Nos. 68,088-9; Mar. 10; Gaz. vol. 133; p. 567.
- United Incubator and Poultry Supply Manufacturing Company, New York, N. Y., and Boundbrook, N. J. Certain medicines for birds and fowls. No. 68,128; Mar. 10; Gaz. vol. 133; p. 508.
- United Incubator and Poultry Supply Manufacturing Company, New York, N. Y., and Boundbrook, N. J. Certain medicines. No. 68,252; Mar. 17; Gaz. vol. 133; p. 758.
- United Incubator and Poultry Supply Manufacturing Company, New York, N. Y., and Boundbrook, N. J. Incubators and brooders. No. 68,320; Mar. 24; Gaz. vol. 133; p. 988.
- United Paper Co., Atlanta, Ga. Certain textile and lace fabrics. No. 68,580; Apr. 14; Gaz. vol. 133; p. 1676.
- United Publishing Co., Washington, D. C. Newspaper, published tri-daily. No. 67,681; Feb. 11; Gaz. vol. 132; p. 1316.
- United Railway & Trading Company, Limited, London, England, and Braithwaite, La. Paper-making material prepared from bagasse. No. 69,861; July 14; Gaz. vol. 135; p. 445.
- United Sewing Machinery Company, Springfield, Mass. Machines for the sewing of furs. No. 70,086; July 28; Gaz. vol. 135; p. 890.
- United Shirt and Collar Company, Troy, N. Y. Certain clothing. No. 68,460; Apr. 7; Gaz. vol. 133; p. 1431.
- United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Leather boots and shoes. Nos. 71,456-8; Nov. 24; Gaz. vol. 137; p. 973.
- United States Bunting Co., Lowell, Mass. Bunting. No. 69,653; June 23; Gaz. vol. 134; p. 2025.
- United States Corporation Company, New York, N. Y. Certain books. No. 69,715; June 30; Gaz. vol. 134; p. 2240.
- United States Dolomont Co. (See Deutsche Steinhölzwerke, Langguth & Platz, assignor.)
- United States Fireless Cooker Company, Boston, Mass. Fireless cooking apparatus. No. 71,519; Dec. 1; Gaz. vol. 137; p. 1231.
- United States Graphite Co., Saginaw, Mich. Certain foundry-facings and graphite. No. 67,215; Jan. 21; Gaz. vol. 132; p. 675.
- United States Graphite Company, Saginaw, Mich. Silver-lead or plumbago foundry-facings and pulverized graphite. No. 66,940; Jan. 7; Gaz. vol. 132; p. 226.
- United States Graphite Company, Saginaw, Mich. Foundry-facings and graphite. No. 67,120; Jan. 14; Gaz. vol. 132; p. 464.
- United States Graphite Company, Saginaw, Mich. Graphite lubricants. No. 67,345; Jan. 28; Gaz. vol. 132; p. 838.
- United States Graphite Company, Saginaw, Mich. Graphite paint and pipe-cement. No. 67,346; Jan. 28; Gaz. vol. 132; p. 838.
- United States Graphite Company, Saginaw, Mich. Stove-polish. No. 69,125; May 19; Gaz. vol. 134; p. 771.
- United States Gutta Percha Paint Company, Saco, Me., and Providence, R. I. Opaque enamel paint. No. 71,082; Oct. 27; Gaz. vol. 136; p. 1997.
- United States Packing Company of New Jersey, Chicago, Ill. Butter, eggs, and dressed poultry. No. 69,862; July 14; Gaz. vol. 135; p. 445.
- United States Rubber Company, New Brunswick, N. J. Rubber boots and shoes. No. 67,472; Feb. 4; Gaz. vol. 132; p. 1067.
- United States Rubber Company, New Brunswick, N. J. Rubber boots and shoes. No. 67,680; Feb. 11; Gaz. vol. 132; p. 1316.
- United States Whip Company, Westfield, Mass. Whips. No. 68,281; Mar. 17; Gaz. vol. 133; p. 759.
- Universal Drug and Chemical Co., Augusta, Me.; New York, N. Y., and Berwick, Pa. Certain medicines and toilet preparations. No. 67,538; Feb. 4; Gaz. vol. 132; p. 1069.
- Upham Company, I., San Francisco, Cal. Pencils, paper, pens, and files. No. 70,405; Aug. 25; Gaz. vol. 135; p. 1799.
- Upham, G. F., New York, N. Y. Baking-powders. No. 71,038; Oct. 27; Gaz. vol. 136; p. 1996.
- Urban, C., London, England. Kinematographic apparatus and photographic pictures for use therewith. No. 69,173; May 26; Gaz. vol. 134; p. 1045.
- Urban, C., London, England. Kinematographic apparatus. No. 70,004; July 21; Gaz. vol. 135; p. 659.
- Utica Drop Forge and Tool Co., Utica, N. Y. Nippers and pliers without a cutting edge. No. 67,250; Jan. 28; Gaz. vol. 132; p. 835.
- Utica Knitting Company, Utica, N. Y. Certain underclothing. No. 71,859; Dec. 15; Gaz. vol. 137; p. 1707.
- V. K. & A. H. Jones Co., Lynn, Mass. Leather shoes. No. 70,562; Sept. 15; Gaz. vol. 136; p. 653.
- Va. Brewing Co., Roanoke, Va. Malt extract. No. 67,200; Jan. 21; Gaz. vol. 132; p. 675.
- Va. Brewing Co., Roanoke, Va. Malt extract. No. 67,370; Jan. 28; Gaz. vol. 132; p. 839.
- Vail Brothers, Philadelphia, Pa. Odorless deodorant for the toilet. No. 67,304; Jan. 28; Gaz. vol. 132; p. 837.
- Val Duttonhofer Sons Co., Cincinnati, Ohio. Leather shoes. No. 68,282; Mar. 17; Gaz. vol. 133; p. 759.
- Valdes & Co., Habana, Cuba. Boots, shoes, and slippers. No. 71,459; Nov. 24; Gaz. vol. 137; p. 973.
- Valdosta Bottling Works, Valdosta, Ga. Non-intoxicating carbonated beverages. No. 69,070; May 19; Gaz. vol. 134; p. 770.
- Valentine & Bentley Silk Co., New York, N. Y. Silk piece goods. No. 67,404; Feb. 4; Gaz. vol. 132; p. 1065.
- Vallat & Peronnet, St. Etienne, Loire, France. Ribbons. Nos. 68,372-6; Mar. 31; Gaz. vol. 133; p. 1184.
- Valley City Milling Company, Grand Rapids, Mich. Certain cereal and stock foods and beans. No. 68,449; Apr. 7; Gaz. vol. 133; p. 1431.
- Valley City Pharmaceutical Co., Grand Rapids, Mich. Antiseptic and disinfectant preparation. No. 70,616; Sept. 15; Gaz. vol. 136; p. 655.
- Valvoline Oil Company, New York, N. Y. Lubricating oils and greases. No. 70,822; Oct. 6; Gaz. vol. 136; p. 1294.
- Van Hauen, R., Copenhagen, Denmark. Cakes and biscuits. No. 70,696; Sept. 22; Gaz. vol. 136; p. 844.
- Van Riper & Co., Incorporated, Passaic, N. J. Remedies for certain diseases. No. 68,542; Apr. 14; Gaz. vol. 133; p. 1675.
- Van Wye, G. P., New York, N. Y. Vacuum-insulated bottles. No. 71,972; Dec. 22; Gaz. vol. 137; p. 1936.
- Van Zile, C. W., West Hoboken, N. J. Laundry starching and chemical laundry washing compounds. No. 70,617; Sept. 15; Gaz. vol. 136; p. 655.
- Vance Shoe Company, Wheeling, W. Va. Leather boots and shoes for women's wear. No. 67,389; Jan. 28; Gaz. vol. 132; p. 839.

Alphabetical list of registrants of trade-marks—Continued.

- Vanduzen, G. W., Cincinnati, Ohio. Brass castings. No. 67,121; Jan. 14; Gaz. vol. 132; p. 464.
 Veil-Picard & Cie., Pontarlier, France. Absinthe. No. 71,631; Dec. 8; Gaz. vol. 137; p. 1477.
 Venus Manufacturing Co., New York, N. Y. Garment-supporters. No. 68,197; Mar. 10; Gaz. vol. 133; p. 570.
 Verbina, J. I., Houston, Tex. Certain medicines. No. 69,387; June 9; Gaz. vol. 134; p. 1558.
 Vereinigte Chemische Werke Aktiengesellschaft, Charlottenburg, Germany. Cold-cream and pomades. No. 67,899; Feb. 25; Gaz. vol. 132; p. 1832.
 Vereinigte Chemische Werke Aktiengesellschaft, Charlottenburg, Germany. Cold-creams and pomades containing wool-suint. No. 71,914; Dec. 22; Gaz. vol. 137; p. 1934.
 Vereinigte Ultramarinfabriken Aktien-Gesellschaft vormals Leverkus, Zeltner & Consorten, in Köln am Rhein, Cologne, Germany. Ultramarine blue. No. 68,080; Mar. 3; Gaz. vol. 133; p. 226.
 Vereinigte Ultramarinfabriken Aktien-Gesellschaft vormals Leverkus, Zeltner & Consorten in Köln am Rhein, Cologne, Germany. Ultramarine blue. No. 69,366; June 9; Gaz. vol. 134; p. 1558.
 Vereinigte Ultramarinfabriken Aktien-Gesellschaft vormals Leverkus, Zeltner & Consorten in Köln am Rhein, Cologne, Germany. Ultramarine blue. No. 69,420; June 9; Gaz. vol. 134; p. 1559.
 Vernas Chemical Company, New York, N. Y. Lotions for the gums, mouth, and throat. No. 71,931; Dec. 22; Gaz. vol. 137; p. 1934.
 Verno Co., Milwaukee, Wis. Troche or tablet. No. 70,169; Aug. 4; Gaz. vol. 135; p. 1118.
 Vesta Accumulator Company, Chicago, Ill. Electrical storage batteries. No. 69,872; July 14; Gaz. vol. 135; p. 446.
 Vetter, J. J., Brooklyn, N. Y. Certain medicinal preparation. No. 70,721; Sept. 29; Gaz. vol. 136; p. 1063.
 Vi-Dermis Co., Dayton, Ohio. Pharmaceutical preparation for the skin. No. 66,910; Jan. 7; Gaz. vol. 132; p. 225.
 Viastope Mfg. Co., Chicago, Ill. Moving-picture machines, films, and attachments. No. 67,961; Feb. 25; Gaz. vol. 132; p. 1834.
 Victor Talking Machine Company, Camden, N. J. Recording and reproducing sound-boxes for talking-machines. No. 68,039; Mar. 3; Gaz. vol. 133; p. 225.
 Vienna Pearl Button Manufacturing Company, Muscatine, Iowa, and New York, N. Y. Pearl buttons. No. 70,320; Aug. 18; Gaz. vol. 135; p. 1579.
 Viertel, E., Detroit, Mich. Pills. No. 67,347; Jan. 28; Gaz. vol. 132; p. 838.
 Vinalhaven Fish Company, Vinalhaven, Me. Pickled, cured, and smoked fish. No. 69,416; June 9; Gaz. vol. 134; p. 1559.
 Vincenz Portoondo Company, Philadelphia, Pa. Cigars. No. 67,243; Jan. 28; Gaz. vol. 132; p. 835.
 Vineland Grape Juice Co., Vineland, N. J. Grape-juice. No. 71,246; Nov. 10; Gaz. vol. 137; p. 471.
 Vqueot Company, Long Island City, N. Y. Automobiles. No. 67,623; Feb. 11; Gaz. vol. 132; p. 1315.
 Virginia Bottling Co. Inc., Clifton Forge, Va. Bottled ginger-ale. No. 70,634; Sept. 15; Gaz. vol. 136; p. 655.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. Nos. 66,941-3; Jan. 7; Gaz. vol. 132; p. 226.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. Nos. 67,405-9; Feb. 4; Gaz. vol. 132; p. 1065.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. No. 67,682; Feb. 11; Gaz. vol. 132; p. 1317.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. Nos. 68,100-105; Mar. 10; Gaz. vol. 133; p. 509.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. Nos. 68,321-8; Mar. 31; Gaz. vol. 133; p. 1183.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. No. 68,342; Mar. 31; Gaz. vol. 133; p. 1183.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. Nos. 68,945-8; May 12; Gaz. vol. 134; p. 509.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. No. 69,051; May 19; Gaz. vol. 134; p. 769.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. No. 69,246; May 26; Gaz. vol. 134; p. 1047.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. Nos. 69,296-8; June 2; Gaz. vol. 134; p. 1294.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. No. 69,388; June 9; Gaz. vol. 134; p. 1558.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. No. 69,764; July 7; Gaz. vol. 135; p. 213.
 Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C., and Memphis, Tenn. Fertilizers. No. 70,902; Oct. 13; Gaz. vol. 136; p. 1528.
 Virginia Lime Company, Inc., Richmond, Va. Lime. No. 71,870; Dec. 15; Gaz. vol. 137; p. 1707.
 Vittuci-Magnano Inc., Seattle, Wash. Certain foods. No. 69,473; June 16; Gaz. vol. 134; p. 1798.
 Vogel Bros & Co., St. Louis, Mo. Coffee. No. 70,276; Aug. 18; Gaz. vol. 135; p. 1578.
 Vogue Company, New York, N. Y. Weekly magazine. No. 69,530; June 16; Gaz. vol. 134; p. 1800.
 Voisin, U., Marseillan, France. Tonic aperient wine. No. 71,632; Dec. 8; Gaz. vol. 137; p. 1477.
 Von Lengerke & Detmold, New York, N. Y. Paper shot-shells. No. 69,556; June 23; Gaz. vol. 134; p. 2023.
 Voneiff Bros., Baltimore, Md. Rye whisky and cocktails. No. 71,840; Dec. 15; Gaz. vol. 137; p. 1706.
 Vuillaume, E., Paris, France. Double tops. No. 70,155; Aug. 4; Gaz. vol. 135; p. 1118.
 Vulcan Steam Shovel Co., Toledo, Ohio. Magazine. No. 70,681; Sept. 22; Gaz. vol. 136; p. 844.
 W. Bingham Company, Cleveland, Ohio. Certain edge-tools. No. 68,702; Apr. 21; Gaz. vol. 133; p. 1932.
 W. Bingham Company, Cleveland, Ohio. Files. No. 70,497; Sept. 8; Gaz. vol. 136; p. 433.
 W. A. Ross & Brother, Inc., New York, N. Y. Ale. No. 67,522; Feb. 4; Gaz. vol. 132; p. 1068.
 W. & B. Chemical Company, Omaha, Nebr. Medicine for leucorrhea. No. 68,961; May 12; Gaz. vol. 134; p. 509.
 W. B. Cosgrave Shoe Co., Zanesville, Ohio. Leather boots and shoes. No. 66,979; Jan. 7; Gaz. vol. 132; p. 227.
 W. B. Cosgrave Shoe Co., Zanesville, Ohio. Leather boots and shoes. No. 67,857; Feb. 25; Gaz. vol. 132; p. 1831.
 W. B. Cosgrave Shoe Co., Zanesville, Ohio. Leather boots and shoes. No. 67,889; Feb. 25; Gaz. vol. 132; p. 1832.
 W. D. Byron & Sons, Inc., Williamsport, Md. Hides and harness-leather. No. 70,513; Sept. 8; Gaz. vol. 136; p. 434.
 W. F. Mangels Company, New York, N. Y. Pleasure-railways and rolling-stock for the same. No. 68,848; Apr. 28; Gaz. vol. 133; p. 2177.
 W. F. Schrafft & Sons, Corporation, Boston, Mass. Chocolate and candies. No. 70,540; Sept. 8; Gaz. vol. 136; p. 434.
 W. H. Coe Manufacturing Company, Providence, R. I. Package-rolls of metallic leaf. No. 70,311; Aug. 18; Gaz. vol. 135; p. 1578.
 W. H. Coe Manufacturing Company, Providence, R. I. Gilding-tools. No. 70,321; Aug. 18; Gaz. vol. 135; p. 1579.
 W. H. Gardner Grain & Mill Co., Bellevue, Ohio. Flour made of wheat. No. 71,793; Dec. 15; Gaz. vol. 137; p. 1705.
 W. H. Stokes Milling Co., Watertown, S. D. Wheat-flour. Nos. 68,808-12; Apr. 28; Gaz. vol. 133; p. 2175.
 W. H. Stokes Milling Co., Watertown, S. D. Wheat-flour. No. 68,919; May 5; Gaz. vol. 134; p. 252.
 W. J. Jennison Company, Minneapolis, Minn. Wheat-flour. No. 68,813; Apr. 28; Gaz. vol. 133; p. 2176.
 W. & J. Sloane, New York, N. Y. Fiber carpets and rugs. No. 69,161; May 19; Gaz. vol. 134; p. 772.
 W. L. Douglas Shoe Co., Portland, Me.; Boston and Brockton, Mass.; New York, N. Y.; Denver, Colo.; Philadelphia, Pa., and Buffalo, N. Y. Leather boots and shoes. No. 68,853; Apr. 28; Gaz. vol. 133; p. 2177.
 W. M. Griffin Company, Fort Wayne, Ind. Soap. No. 70,867; Oct. 13; Gaz. vol. 136; p. 1527.
 W. R. Sykes Interlocking Signal Company, Limited, London, England. Railway signal and switch apparatus. No. 68,129; Mar. 10; Gaz. vol. 133; p. 508.
 W. T. Wagner's Sons, Cincinnati, Ohio. Ginger-ale. No. 68,737; Apr. 28; Gaz. vol. 133; p. 2174.
 W. W. Harper Co., Zanesville, Ohio. Coffee. No. 67,065; Jan. 14; Gaz. vol. 132; p. 462.
 W. W. Harper Co., Zanesville, Ohio. Coffee. No. 67,925; Feb. 25; Gaz. vol. 132; p. 1833.
 W. W. Harper Co., Zanesville, Ohio. Spices. No. 67,943; Feb. 25; Gaz. vol. 132; p. 1833.
 Wächtersbacher Steingutfabrik Schlierbach, near Wächtersbach, Germany. Articles made either of earthenware, porcelain, majolica, or clay. No. 71,487; Nov. 24; Gaz. vol. 137; p. 974.
 Waffenfabrik Mauser, Aktiengesellschaft, Oberndorf-on-the-Neckar, Württemberg, Germany. Certain firearms and parts thereof. No. 70,584; Sept. 15; Gaz. vol. 136; p. 564.
 Wagner Brothers, Pittsburg and Sharsburg, Pa. Leather shoes. No. 69,162; May 19; Gaz. vol. 134; p. 772.
 Wagner, E. H., New York, N. Y. Hand stick-fireworks. Nos. 69,375-6; June 9; Gaz. vol. 134; p. 1558.
 Wagner, E. H., New York, N. Y. Hand-fireworks. No. 69,765; July 7; Gaz. vol. 135; p. 213.
 Wagner, E. H., New York, N. Y. Hand-fireworks. Nos. 70,037-40; July 28; Gaz. vol. 135; p. 881.
 Wagner, E. H., New York, N. Y. Hand-fireworks. No. 70,585; Sept. 15; Gaz. vol. 136; p. 654.
 Wagner's Sons, W. T., Cincinnati, Ohio. Table-waters. No. 69,638; June 23; Gaz. vol. 134; p. 2025.
 Wagner's Sons, W. T., Cincinnati, Ohio. Artificial mineral waters. No. 70,920; Oct. 13; Gaz. vol. 136; p. 1529.
 Wake Chemical Company, Raleigh, N. C. Non-alcoholic tonic beverage. No. 67,921; Feb. 25; Gaz. vol. 132; p. 1833.

Alphabetical list of registrants of trade-marks—Continued.

- Wakefield, F. W., Vermilion, Ohio. Electric, gas, and combination lighting fixtures. No. 70,618; Sept. 15; Gaz. vol. 136; p. 655.
- Waldberg & Co., G. m. b. H., Berlin, Germany. Chemical nickel salt. No. 67,986; Mar. 3; Gaz. vol. 133; p. 223.
- Waldo, E. L., New Rochelle, N. Y. Barges. No. 68,895; May 5; Gaz. vol. 134; p. 252.
- Walker & Co., J. L., Lynn, Mass. Leather shoes, slippers, and sandals. No. 67,683; Feb. 11; Gaz. vol. 132; p. 1317.
- Walker & Harp Mfg. Co., Cohoes, N. Y. Cotton-batting. No. 69,126; May 19; Gaz. vol. 134; p. 771.
- Wallace, R. A., Bradley, Okla. Insecticide. No. 70,590-1; Sept. 15; Gaz. vol. 136; p. 654.
- Waller, L. O., Philadelphia, Pa. Certain chemical, medicinal, and toilet preparations. No. 69,598; June 23; Gaz. vol. 134; p. 2024.
- Wallerstein Brothers, Paducah, Ky. Men's and boys' stiff, soft, and straw hats. No. 69,654; June 23; Gaz. vol. 134; p. 2025.
- Walter M. Lowney Company, Boston, Mass. Chocolates and bonbons. No. 67,723; Feb. 18; Gaz. vol. 132; p. 1580.
- Walter M. Lowney Company, Boston, Mass. Milk-chocolate. No. 67,724; Feb. 18; Gaz. vol. 132; p. 1580.
- Walter M. Lowney Company, Boston, Mass. Candy. No. 69,794; July 7; Gaz. vol. 135; p. 214.
- Walton and Logan Company, Lynn, Mass. Leather boots and shoes. No. 67,846; Feb. 18; Gaz. vol. 132; p. 1583.
- Wanamaker, J., Philadelphia, Pa. Ladies' corsets. No. 67,944; Feb. 25; Gaz. vol. 132; p. 1833.
- Wannenwetsch and Co., Buffalo, N. Y. Animal shackling, slaughtering, rendering, and drying apparatus. No. 70,514; Sept. 8; Gaz. vol. 136; p. 434.
- Wanser, G. N., Crawford township, Union county, N. J. Lozenges or troches for coughs, colds, and throat troubles. No. 67,371; Jan. 28; Gaz. vol. 132; p. 839.
- Ware-Kramer Tobacco Company, Norfolk, Va. Cigarettes. Nos. 68,485-6; Apr. 14; Gaz. vol. 133; p. 1673.
- Ware-Kramer Tobacco Co., Norfolk, Va. Cigarettes. No. 70,709; Sept. 29; Gaz. vol. 136; p. 1063.
- Warfield Pratt Howell Co., Des Moines, Iowa. Canned fish. No. 67,945; Feb. 25; Gaz. vol. 132; p. 1833.
- Warner & Co., W. R., Philadelphia, Pa. Medicines in tablet form. No. 67,802; Feb. 18; Gaz. vol. 132; p. 1582.
- Warner Drug Co., Nashville, Tenn. Remedy for rheumatism and gout. No. 69,823; July 7; Gaz. vol. 135; p. 214.
- Warnken, G. L., Jamestown, Cal. Portable sanatoriums and certain medical apparatus. No. 70,619; Sept. 15; Gaz. vol. 136; p. 655.
- Warren Axe and Tool Company, Warren, Pa. Axes. No. 68,487; Apr. 14; Gaz. vol. 133; p. 1673.
- Warren Axe and Tool Company, Warren, Pa. Axes. No. 70,454; Sept. 1; Gaz. vol. 136; p. 222.
- Warren Bros. Co., Bridgeport, Conn. Hose-supporters. No. 68,840; Apr. 28; Gaz. vol. 133; p. 2176.
- Warren Featherbone Co., Three Oaks, Mich. Whip stocks or materials, whips, and whip-lashes. No. 68,198; Mar. 10; Gaz. vol. 133; p. 510.
- Warren, W. R., New York, N. Y. Portland cement. No. 70,277; Aug. 18; Gaz. vol. 135; p. 1578.
- Washburn & Wheeler Mfg. Co., assignor to J. A. Keck, Decatur, Ill. Ironing boards and tables. No. 69,873; July 14; Gaz. vol. 135; p. 446.
- Washington Chemical & Dentifrice Mfg. Co., Colville, Wash. Tooth-creams. No. 71,039; Oct. 27; Gaz. vol. 136; p. 1996.
- Washington Shirt Co., Chicago, Ill. Men's overshirts of woven material. No. 67,238; Jan. 28; Gaz. vol. 132; p. 835.
- Washington Woolen Mills, Fredericksburg, Va. Trousers. No. 68,888; May 5; Gaz. vol. 134; p. 252.
- Watab Pulp and Paper Company, Sartell, Minn. News-print paper. No. 69,781; July 7; Gaz. vol. 135; p. 213.
- Waterbury Chemical Company, Des Moines, Iowa. Face-lotions possessing antiseptic and germ-destroying qualities. No. 67,987; Mar. 3; Gaz. vol. 133; p. 223.
- Waterbury & Company, New York, N. Y. Wire ropes. No. 71,701; Dec. 8; Gaz. vol. 137; p. 1479.
- Waterloo Can. & Pickling Ass'n., Waterloo, Wis. Canned peas, beans, corn, and tomatoes. No. 70,530; Sept. 8; Gaz. vol. 136; p. 434.
- Waterloo & Cedar Falls Union Mill Company, Waterloo, Iowa. Wheat-flour. No. 70,697; Sept. 22; Gaz. vol. 136; p. 844.
- Watson & Aven, Little Rock, Ark. Butter. No. 71,417; Nov. 24; Gaz. vol. 137; p. 972.
- Watson & Co., A., Newcastle-on-Tyne, England. Preserved or canned herrings. No. 69,020; May 12; Gaz. vol. 134; p. 511.
- Watson Company, Pine Bluff, Ark. Certain veterinary medicines and preparations. No. 70,620; Sept. 15; Gaz. vol. 136; p. 655.
- Watson & MacDonald, Dayton, Ohio. Pies and cakes. No. 67,573; Feb. 11; Gaz. vol. 132; p. 1314.
- Watt, H. C., Philadelphia, Pa. Polish for certain articles. No. 72,018; Dec. 29; Gaz. vol. 137; p. 2214.
- Waukesha Arcadian Co., Waukesha, Wis. Mineral water and ginger-ale. No. 68,354; Mar. 31; Gaz. vol. 133; p. 1184.
- Waukesha Arcadian Co., Waukesha, Wis. Ginger-ale and mineral water. No. 68,510; Apr. 14; Gaz. vol. 133; p. 1674.
- Waxo Manufacturing Company, Newark, N. J. Waxing-pads. No. 69,753; June 30; Gaz. vol. 134; p. 2241.
- Wayne County Condensed Milk Co., Ontario Center, N. Y. Condensed milk. Nos. 58,529-30; Apr. 14; Gaz. vol. 133; p. 1674.
- Wayne County Condensed Milk Co., Rochester and Ontario Center, N. Y. Condensed milk. No. 69,324; June 2; Gaz. vol. 134; p. 1295.
- Wayne County Condensed Milk Co., Rochester and Ontario Center, N. Y. Condensed milk. No. 71,539; Dec. 1; Gaz. vol. 137; p. 1232.
- Wayne County Preserving Company, Newark, N. Y. Bottled, canned, preserved, evaporated, and pickled fruits and vegetables. No. 69,599; June 23; Gaz. vol. 134; p. 2024.
- Wayne Shoe Manufacturing Company, Fort Wayne, Ind. Men's leather shoes. No. 67,129; Jan. 14; Gaz. vol. 132; p. 464.
- Wayne Shoe Manufacturing Company, Fort Wayne, Ind. Boys' leather shoes. No. 67,130; Jan. 14; Gaz. vol. 132; p. 464.
- Weaver Organ & Piano Co., York, Pa. Pianos and organs. No. 71,694; Dec. 8; Gaz. vol. 137; p. 1479.
- Webster, E. R., Cincinnati, Ohio. Coffee, tea, flavoring extracts, and spices. No. 71,567; Dec. 1; Gaz. vol. 137; p. 1233.
- Wedehase, F., Sebastopol, Cal. Fig yeast. No. 69,090; May 19; Gaz. vol. 134; p. 770.
- Wedehase, F., Sebastopol, Cal. Bread. No. 69,463; June 16; Gaz. vol. 134; p. 1798.
- Weil Chemical Mfg. Co., Pine Bluff, Ark. Salves. No. 66,911; Jan. 7; Gaz. vol. 132; p. 225.
- Weingarten Bros., Inc., New York, N. Y. Corsets. No. 68,461; Apr. 7; Gaz. vol. 133; p. 1431.
- Weir & Company, R. W., New York, N. Y. Coffee and tea. No. 67,574; Feb. 11; Gaz. vol. 132; p. 1314.
- Weisberg, B., Philadelphia, Pa. Neckties. No. 67,684; Feb. 11; Gaz. vol. 132; p. 1317.
- Weiss Pharmacal Company, Memphis, Tenn. Remedy for certain diseases. No. 69,905; July 14; Gaz. vol. 135; p. 446.
- Weitman, I., New York, N. Y. Tarts. No. 68,920; May 5; Gaz. vol. 134; p. 252.
- Welch, A. J., Chicago, Ill. Certain cleaners and polishes. No. 68,403; Apr. 7; Gaz. vol. 133; p. 1429.
- Welker & Hancock Optical Company, Kansas City, Mo. Spectacles and nose-glasses. No. 69,543; June 16; Gaz. vol. 134; p. 1800.
- Wellcome, H. S., London, England. Medicated wines. No. 67,146; Jan. 21; Gaz. vol. 132; p. 673.
- Wellcome, H. S., London, England. Dentifrice and perfumery. No. 67,372; Jan. 28; Gaz. vol. 132; p. 839.
- Wellcome, H. S., London, England. Medicinal suppositories, pessaries, and bougies. No. 67,607; Feb. 11; Gaz. vol. 132; p. 1314.
- Wellcome, H. S., London, England. Semisolid toilet preparation. No. 71,267; Nov. 10; Gaz. vol. 137; p. 471.
- Wellcome, H. S., London, England. Photographic developers and photographic accelerators. No. 71,460; Nov. 24; Gaz. vol. 137; p. 974.
- Wellington & Son, Anderson, Ind. Wheat-flour. No. 71,903; Dec. 22; Gaz. vol. 137; p. 1934.
- Wells, E. S., Jersey City, N. J. Certain named poisons and disinfectants. No. 67,216; Jan. 21; Gaz. vol. 132; p. 675.
- Wells, E. S., Jersey City, N. J. Poison for rats, mice, vermin, and insects. No. 70,030; July 21; Gaz. vol. 135; p. 659.
- Wells, F. R., Brooklyn, N. Y. Combined fountain-pen and pencil or lead holder. No. 71,461; Nov. 24; Gaz. vol. 137; p. 974.
- Wells Flour Milling Company, Wells, Minn. Wheat-flour. No. 69,030; May 12; Gaz. vol. 134; p. 511.
- Wells & Richardson Company, Burlington, Vt. Dyes. Nos. 68,962-3; May 12; Gaz. vol. 134; p. 509.
- Welsbach Company, Gloucester City, N. J. Inverted incandescent mantles, lamps, and fittings. No. 68,462; Apr. 7; Gaz. vol. 133; p. 1431.
- Welt & Sons Paper Co., Detroit, Mich. Fiber building and sheathing paper. No. 69,487; June 16; Gaz. vol. 134; p. 1798.
- Wendell Pharmacal Co., Syracuse, N. Y. Medicine for certain diseases. No. 67,608; Feb. 11; Gaz. vol. 132; p. 1315.
- Wendt Brothers, New York, N. Y. Certain piece goods. No. 69,325; June 2; Gaz. vol. 134; p. 1295.
- Wenham's Sons, A. J., Cleveland, Ohio. Canned fruits and vegetables. No. 68,790; Apr. 28; Gaz. vol. 133; p. 2175.
- Wertheimer & Cie., E., Paris, France. Perfumery, toilet and complexion powders and tints. No. 69,141; May 19; Gaz. vol. 134; p. 772.
- Wertheimer & Cie., E., Paris, France. Perfumery and face-tints. Nos. 69,142-3; May 19; Gaz. vol. 134; p. 772.
- Wertheimer & Cie., E., Paris, France. Toilet powder. No. 69,144; May 19; Gaz. vol. 134; p. 772.
- Wertheimer & Cie., E., Paris, France. Perfumery, toilet powders, and face-tints. No. 69,145; May 19; Gaz. vol. 134; p. 772.
- Wertheimer & Cie., E., Paris, France. Perfumery, complexion-powders, and face-tints. No. 69,163; May 19; Gaz. vol. 134; p. 772.
- Wertheimer & Cie., E., Paris, France. Soaps. Nos. 70,646-8; Sept. 22; Gaz. vol. 136; p. 843.
- Wertz & Field, Reading, Pa. Stomach-bitters. No. 71,362; Nov. 17; Gaz. vol. 137; p. 729.
- Wertz, G. W., Wernersville, Pa. Wheat and rye flour. No. 70,063; July 28; Gaz. vol. 135; p. 890.
- Wesco Supply Company, St. Louis, Mo., and Fort Worth, Tex. Electric tapes. No. 70,586; Sept. 15; Gaz. vol. 136; p. 654.
- Wesco Supply Company, St. Louis, Mo., and Fort Worth, Tex. Certain electrical supplies. No. 71,568; Dec. 1; Gaz. vol. 137; p. 1233.
- Wesson Company, Jersey City, N. J., and Savannah, Ga. Mixture containing vegetable oil and an animal fat. Nos. 69,719-20; June 30; Gaz. vol. 134; p. 2240.
- Wesson Company, Jersey City, N. J., and Savannah, Ga. Cotton-seed oils. No. 69,721; June 30; Gaz. vol. 134; p. 2240.
- West End Brewing Co., Utica, N. Y. Ale, beer, half-and-half, porter, malt extract, and brown stout. No. 68,880; May 5; Gaz. vol. 134; p. 251.
- West End Wine & Spirits Co., Boston, Mass. Gin. No. 67,105; Jan. 14; Gaz. vol. 132; p. 463.
- Western Block Co., Lockport, N. Y. Tackle blocks and sheaves. No. 68,770; Apr. 28; Gaz. vol. 133; p. 2174.
- Western Clock Mfg. Co., La Salle, Ill. Watches and clocks. No. 69,766; July 7; Gaz. vol. 135; p. 213.
- Western Coca Cola Bottling Company, Chicago, Ill. Ginger-ale. No. 71,695; Dec. 8; Gaz. vol. 137; p. 1479.

Alphabetical list of registrants of trade-marks—Continued.

- Western Flour Mill Company, Davenport, Iowa. Flours made from wheat. No. 69,474; June 16; Gaz. vol. 134; p. 1798.
- Western Grocer Company, Marshalltown, Iowa. Certain chemicals. No. 71,174; Nov. 3; Gaz. vol. 137; p. 225.
- Western Grocer Company, Marshalltown, Iowa, and St. Joseph, Mo. Certain chemicals. No. 71,268; Nov. 10; Gaz. vol. 137; p. 471.
- Western Leather Mfg. Co., Chicago, Ill. Certain leather goods. No. 67,847; Feb. 18; Gaz. vol. 132; p. 1583.
- Westlake, A., New York, N. Y. Tooth-cleaning preparations in tablet form. No. 67,034; Jan. 14; Gaz. vol. 132; p. 461.
- Weston, E., Newark, N. J. Magazine or trade journal. No. 67,685; Feb. 11; Gaz. vol. 132; p. 1317.
- Westpfal, F., deceased; L. and F. Westpfal, New York, N. Y., executors. Knives, razors, scissors, shears, and nail-files. No. 69,824; July 7; Gaz. vol. 135; p. 214.
- Westpfal, L., et al., executors. (See Westpfal, F.)
- Westrumite Company of America, Chicago, Ill. Emulsion of oil for use on roadways and as a dust preventive. No. 69,639; June 23; Gaz. vol. 134; p. 2025.
- Whann Lithia Springs Co., Franklin, Pa. Ginger-ale and sarsaparilla. No. 67,348; Jan. 28; Gaz. vol. 132; p. 838.
- Wheaton & Sons, H., New Bedford, Mass. Carbonated beverages and syrups for carbonated beverages. No. 67,658; Feb. 11; Gaz. vol. 132; p. 1316.
- Wheaton & Sons, H., New Bedford, Mass. Syrup for carbonated beverages. No. 67,659; Feb. 11; Gaz. vol. 132; p. 1316.
- Wheeler Manufacturing Co., Dallas, Tex. Massage and face cream. No. 67,975; Mar. 3; Gaz. vol. 133; p. 223.
- Wheeling Stamping Co., Wheeling, W. Va. Lamp-burners. No. 69,838; July 7; Gaz. vol. 135; p. 215.
- Whitcomb & Paine Co., Holbrook and Boston, Mass. Boots and shoes. No. 71,040; Oct. 27; Gaz. vol. 136; p. 1996.
- White, A. R., Philadelphia, Pa. Proprietary medicines for the treatment of coughs and colds. No. 67,035; Jan. 14; Gaz. vol. 132; p. 461.
- White, C., Cedar Grove, N. J. Disinfective scouring compound. No. 71,247; Nov. 10; Gaz. vol. 137; p. 471.
- White Cross Toilet Powder Company. (See Red Cross Powder Company, assignor.)
- White Cross Tonsorial Co., New York, N. Y. Advertising-signs. No. 67,641; Feb. 11; Gaz. vol. 132; p. 1315.
- White-Haines Optical Company, Columbus, Ohio. Eyeglasses. No. 67,771; Feb. 18; Gaz. vol. 132; p. 1581.
- White Springs Farm Dairy Co., Geneva, N. Y. Milk, cream, buttermilk, butter, and cottage cheese. No. 70,744; Sept. 29; Gaz. vol. 136; p. 1064.
- White, W. B., Quincy, Mass. Adjustable eye-shades. No. 67,660; Feb. 11; Gaz. vol. 132; p. 1316.
- Whiton Hardware Co., Seattle, Wash. Certain cutlery and tools. No. 68,868; May 5; Gaz. vol. 134; p. 251.
- Whiton Hardware Co., Seattle, Wash. Certain tools. No. 71,269; Nov. 10; Gaz. vol. 137; p. 471.
- Whitridge, White & Company, Baltimore, Md. Burlaps. No. 66,972; Jan. 7; Gaz. vol. 132; p. 227.
- Whittemore, H. A., Boston, Mass. Certain fishing-tackle. No. 67,772; Feb. 18; Gaz. vol. 132; p. 1581.
- Wichman, Lutgen & Co. Inc., San Francisco, Cal. Blended grape-brandy. No. 70,840; Oct. 6; Gaz. vol. 136; p. 1294.
- Wibusch & Hilger, Ltd., New York, N. Y. Hammers. No. 66,956; Jan. 7; Gaz. vol. 132; p. 227.
- Wiener Bros., New York, N. Y. Imitation stones for jewelry, set and unset. No. 69,974; July 21; Gaz. vol. 135; p. 658.
- Wilbur & Sons, H. O., Philadelphia, Pa. Chocolate. No. 69,052; May 19; Gaz. vol. 134; p. 769.
- Wilbur & Sons, H. O., Philadelphia, Pa. Chocolate and cocoa. No. 69,053; May 19; Gaz. vol. 134; p. 769.
- Wilbur & Sons, H. O., Philadelphia, Pa. Chocolate and cocoa. No. 69,233; May 26; Gaz. vol. 134; p. 1047.
- Wildman, R. B., Leesburg, Va. Hams. No. 69,795; July 7; Gaz. vol. 135; p. 214.
- Wile & Co., E. J., New York, N. Y. Misses' and children's cloaks and suits. No. 68,974; May 12; Gaz. vol. 134; p. 510.
- Wilkenfeld, M., Brooklyn, N. Y. Cements and glues. No. 70,278; Aug. 18; Gaz. vol. 135; p. 1578.
- Wilkes-Barre Lace Manufacturing Co., New York, N. Y. Lace curtains. No. 71,951; Dec. 22; Gaz. vol. 137; p. 1935.
- Wilkinson Sword Company, Limited, London and Sheffield, England. Certain flat ware, tableware, and hollow ware. No. 67,963; Feb. 25; Gaz. vol. 132; p. 1834.
- Willard White Company, Chicago, Ill. Face-powder, toilet cream, and rouge. No. 68,355; Mar. 31; Gaz. vol. 133; p. 1184.
- Willard White Company, Chicago, Ill. Flesh-tonic in tablet form. No. 71,520; Dec. 1; Gaz. vol. 137; p. 1231.
- William B. Hough Company, Chicago, Ill. Metal bars for reinforcing concrete construction. No. 69,071; May 19; Gaz. vol. 134; p. 770.
- William B. Hough Company, Chicago, Ill. Hoisting, dredging, and conveying buckets. No. 71,004; Oct. 20; Gaz. vol. 136; p. 1765.
- William Dixon Incorporated, New York, N. Y. Buffing and polishing brushes. No. 70,682; Sept. 22; Gaz. vol. 136; p. 844.
- William Liddell & Co. Ltd., New York, N. Y., and London, England. Certain linen goods. No. 71,157; Nov. 3; Gaz. vol. 137; p. 224.
- William S. Haines Company, Philadelphia, Pa. Steam-traps. No. 71,915; Dec. 22; Gaz. vol. 137; p. 1934.
- William Shakespeare Jr. Company, Kalamazoo, Mich. Fishing-lines. No. 68,771; Apr. 28; Gaz. vol. 133; p. 2174.
- William Shakespeare Jr. Company, Kalamazoo, Mich. Fishing-lines. No. 69,450; June 16; Gaz. vol. 134; p. 1797.
- William Skinner Manufacturing Co., Holyoke and Boston, Mass.; New York, N. Y.; Chicago, Ill., and Philadelphia, Pa. Silks and satins. No. 71,089; Oct. 27; Gaz. vol. 136; p. 1997.
- William Younger & Co., Limited, Edinburgh, Scotland. Ale. No. 67,661; Feb. 11; Gaz. vol. 132; p. 1316.
- Williams, A. E., Syracuse, N. Y. Skin and scalp lotions. No. 69,600; June 23; Gaz. vol. 134; p. 2024.
- Williams & Co., R. C., New York, N. Y. Blended coffee. No. 71,418; Nov. 24; Gaz. vol. 137; p. 972.
- Williams Drop Forging Co., Scranton, Pa. Horseshoe-calks. No. 70,823; Oct. 6; Gaz. vol. 136; p. 1294.
- Williams, Hoyt and Co., Rochester, N. Y. Leather boots and shoes. No. 70,903; Oct. 13; Gaz. vol. 136; p. 1528.
- Williams-Marvin Company, San Francisco, Cal. Leather boots and shoes. No. 69,417; June 9; Gaz. vol. 134; p. 1559.
- Williams, N. G., Williams, N. C. Whisky. No. 68,166; Mar. 10; Gaz. vol. 133; p. 509.
- Willis & Co., G., New York, N. Y. Shirts, cambrics, and long-cloth when bleached, finished, or converted. No. 67,645; Feb. 11; Gaz. vol. 132; p. 1315.
- Willis & Co., G., New York, N. Y. Cotton piece goods. Nos. 68,305-8; Mar. 24; Gaz. vol. 133; p. 987.
- Williston, A. L., Northampton, Mass. Indelible ink. No. 67,686; Feb. 11; Gaz. vol. 132; p. 1317.
- Willmarth & Morman Co., Grand Rapids, Mich. Drill-grinding machines. No. 67,858; Feb. 25; Gaz. vol. 132; p. 1831.
- Wilson & Co., J. L., New York, N. Y. Cotton diaper-cloth. No. 67,750; Feb. 18; Gaz. vol. 132; p. 1580.
- Wilson Cheving Gum Co., Baltimore, Md. Chewing-gum. No. 69,863; July 14; Gaz. vol. 135; p. 445.
- Wilson and Glenn Limited, Hawick, Scotland. Tweed cloths. No. 71,569; Dec. 1; Gaz. vol. 137; p. 1233.
- Wilson, J., Sacramento, Cal. Disinfectant, deodorizer, and insect and germ killer. No. 67,696; Feb. 18; Gaz. vol. 132; p. 1579.
- Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Plant-fertilizing materials. Nos. 70,947-9; Oct. 20; Gaz. vol. 136; p. 1763.
- Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Plant-fertilizing materials. No. 71,871; Dec. 15; Gaz. vol. 137; p. 1707.
- Wineburgh, M., New York, N. Y. Carbonated fruit-juice. No. 69,234; May 26; Gaz. vol. 134; p. 1047.
- Winifrede Coal Company, Winifrede, W. Va. Coal. No. 70,064; July 28; Gaz. vol. 135; p. 890.
- Winola Oil Gas Development and Improvement Company, Factoryville, Pa. Mineral water. No. 68,703; Apr. 21; Gaz. vol. 133; p. 1932.
- Winterbottom Book Cloth Company, Ltd., Manchester, England. Bookbinders' cloth. No. 67,751; Feb. 18; Gaz. vol. 132; p. 1580.
- Winterbottom Book Cloth Company, Ltd., Manchester, England. Tracing-cloth. No. 70,087; July 28; Gaz. vol. 135; p. 890.
- Wireless Specialty Apparatus Company, New York, N. Y. Wireless-telegraphy detectors. No. 70,587; Sept. 15; Gaz. vol. 136; p. 654.
- Wisdom Soap Company, Chicago, Ill. Soap. No. 68,432; Apr. 7; Gaz. vol. 133; p. 1430.
- Wise Mfg. Co., Webster City, Iowa. Root-beer extract. No. 71,696; Dec. 8; Gaz. vol. 137; p. 1479.
- Wiseman, R. J., Lewiston, Me. Preparation of castor-oil. No. 67,147; Jan. 21; Gaz. vol. 132; p. 673.
- Withington & Cooley Manufacturing Company, Jackson, Mich. Hoes. Nos. 67,882-3; Feb. 25; Gaz. vol. 132; p. 1832.
- Withington & Cooley Manufacturing Company, Jackson, Mich. Agricultural and similar forks and hoes. No. 68,157; Mar. 10; Gaz. vol. 133; p. 509.
- Witkowski, L. C., Washington, D. C. Stylographic pens. No. 68,283; Mar. 17; Gaz. vol. 133; p. 759.
- Witte, C. D., Cincinnati, Ohio. Chemical sweeping compound. No. 67,988; Mar. 3; Gaz. vol. 133; p. 223.
- Wm. A. Rogers, Limited, Toronto, Ontario, Canada, and Niagara Falls, N. Y. Silver-plated flat ware, hollow ware, and tableware. No. 68,369; Mar. 31; Gaz. vol. 133; p. 1184.
- Wm. A. Rogers Limited, Toronto, Ontario, Canada, and Niagara Falls, N. Y. Silver-plated ware, comprising silver-plated flat ware, hollow ware, and tableware. No. 69,548; June 15; Gaz. vol. 134; p. 1800.
- Wm. Warne & Co., Limited, London, England. Tobacco-pouches. No. 67,004; Jan. 9; Gaz. vol. 132; p. 228.
- Wolcott, H. D., Averyville and Peoria, Ill. Boiler-cleaning compounds. No. 70,868; Oct. 13; Gaz. vol. 136; p. 1527.
- Wolcott Manufacturing Company, Providence, R. I. Certain jewelry. No. 69,975; July 21; Gaz. vol. 135; p. 658.
- Wolcott Manufacturing Company, Providence, R. I. Certain jewelry. No. 70,041; July 28; Gaz. vol. 135; p. 889.
- Wolf, A. M., New York, N. Y. Cigarettes. No. 67,803; Feb. 18; Gaz. vol. 132; p. 1582.
- Wolff & Sohn, F., Karlsruhe, Germany. Certain toilet preparations. No. 68,629; Apr. 21; Gaz. vol. 133; p. 1930.
- Wolverine Brass Works, Grand Rapids, Mich. Certain plumbers' tools and appliances. No. 69,072; May 19; Gaz. vol. 134; p. 770.
- Wolverine Brass Works, Grand Rapids, Mich. Certain plumbing supplies. Nos. 69,312-13; June 2; Gaz. vol. 134; p. 1294.
- Wonson, C. F., Gloucester, Mass. Salted, canned, and pickled fish. No. 69,716; June 30; Gaz. vol. 134; p. 2240.
- Wood & Co., T. C., Chicago, Ill. Weekly periodical. No. 70,805; Oct. 6; Gaz. vol. 136; p. 1293.
- Wood-Hare Company, New York, N. Y. Shoe-laces. No. 69,418; June 9; Gaz. vol. 134; p. 1559.
- Wood & Sons, T. W., Richmond, Va. Flower, vegetable, farm, and field seeds. No. 69,255; June 2; Gaz. vol. 134; p. 1293.
- Wood, W. A., New York, N. Y. Tooth-paste. No. 70,455; Sept. 1; Gaz. vol. 136; p. 222.

Alphabetical list of registrants of trade-marks—Continued.

- Woodbury Shoe Company, Portland, Me., and Beverly and Boston, Mass. Leather boots and shoes having rubber heels. No. 69,220; May 26; Gaz. vol. 134; p. 1046.
- Woodford Distilling Co., Chicago, Ill. Whisky. No. 68,463; Apr. 7; Gaz. vol. 133; p. 1431.
- Woods Manufacturing Company, Fort Smith, Ark. Men's and boys' suits, pants, and overalls. No. 71,462; Nov. 24; Gaz. vol. 137; p. 974.
- Woodward & Cochey, Lynn, Mass. Certain leather goods. No. 66,995; Jan. 7; Gaz. vol. 132; p. 228.
- Woodward & Wright, Campello, Mass. Boot and shoe lasts. No. 70,406; Aug. 25; Gaz. vol. 135; p. 1799.
- Woodworth, J. C. F., Silverbell, Ariz. Ter. Ointments for protection against insects. No. 68,090; Mar. 10; Gaz. vol. 133; p. 507.
- Wookey, A., Peoria, Ill. Pianos, guitars, and mandolins. No. 67,642; Feb. 11; Gaz. vol. 132; p. 1315.
- Woolley Salve Company, Lancaster, Pa. Salve. No. 69,498; June 16; Gaz. vol. 134; p. 1799.
- Woolson Spice Company, Toledo, Ohio. Spices. No. 67,170; Jan. 21; Gaz. vol. 132; p. 674.
- Woolson Spice Company, Toledo, Ohio. Blended coffee. No. 72,077; Dec. 29; Gaz. vol. 137; p. 2215.
- Woolston, S., Monmouth, Ill. Remedy for certain diseases. No. 69,621; June 23; Gaz. vol. 134; p. 2025.
- Woonsocket Rubber Company, Woonsocket, R. I. Rubber boots and shoes. Nos. 66,973-5; Jan. 7; Gaz. vol. 132; p. 227.
- Woonsocket Rubber Company, Woonsocket, R. I. Rubber boots and shoes. No. 67,687; Feb. 11; Gaz. vol. 132; p. 1317.
- Worcester Pressed Steel Company, Worcester, Mass. Sheet metal. No. 70,407; Aug. 25; Gaz. vol. 135; p. 1799.
- Woronoco Chemical Company, Westfield, Mass. Antiseptics. No. 69,754; June 30; Gaz. vol. 134; p. 2241.
- Wortche, H. W., Baltimore, Md. Certain valves and valve-fittings. No. 68,772; Apr. 28; Gaz. vol. 133; p. 2174.
- Woven Steel Hose & Rubber Company, Trenton, N. J. Certain packings. Nos. 71,347-8; Nov. 17; Gaz. vol. 137; p. 729.
- Wrenn Paper Company, Middletown, Ohio. Blotting-paper. No. 70,710; Sept. 29; Gaz. vol. 136; p. 1063.
- Wright Formette Co., Newark, N. J. Corsets. No. 70,778; Sept. 29; Gaz. vol. 136; p. 1065.
- Wright & Taylor, Louisville, Ky. Whisky. No. 67,217; Jan. 21; Gaz. vol. 132; p. 675.
- Wright Wire Company, Worcester, Mass. Wire picture-cord. No. 67,804; Feb. 18; Gaz. vol. 132; p. 1582.
- Wright's Indian Vegetable Pill Company, New York, N. Y. Remedy for indigestion. No. 68,964; May 12; Gaz. vol. 134; p. 509.
- Wright's Indian Vegetable Pill Company, New York, N. Y. Remedy for diseases of the eye. No. 69,579; June 23; Gaz. vol. 134; p. 2023.
- Wright's Indian Vegetable Pill Company, New York, N. Y. Remedy for certain diseases. No. 70,170; Aug. 4; Gaz. vol. 135; p. 1118.
- Wright's Indian Vegetable Pill Company, New York, N. Y. Elixir of opium. No. 70,171; Aug. 4; Gaz. vol. 135; p. 1118.
- Wujcik, E. F., Boston, Mass. Herbal tea. No. 68,450; Apr. 7; Gaz. vol. 133; p. 1431.
- Wülfig, Firm of Johann A., Berlin, Germany. Albumen and albuminous food compounds. No. 67,506; Feb. 4; Gaz. vol. 132; p. 1068.
- Wurthmann, J. H., New York, N. Y. Foot-powders. No. 70,849; Oct. 13; Gaz. vol. 136; p. 1527.
- Wyckoff, R. D., New York, N. Y. Magazine. No. 68,680; Apr. 21; Gaz. vol. 133; p. 1931.
- Wylde, W. F., Ponca, Okla. Flavoring-syrups for beverages. No. 67,227; Jan. 21; Gaz. vol. 132; p. 675.
- Wyman & Son, J., Millbridge, Me. Canned sardines. No. 67,305; Jan. 28; Gaz. vol. 132; p. 837.
- Wyman & Son, J., Millbridge, Me. Canned clams. No. 7,201; Jan. 21; Gaz. vol. 132; p. 675.
- Wyman & Son, J., Millbridge, Me. Canned clams and canned sardines. No. 67,575; Feb. 11; Gaz. vol. 132; p. 1314.
- X-Ray Incubator Co., Wayne, Nebr. Incubators and brooders. No. 70,065; July 28; Gaz. vol. 135; p. 890.
- Yakutat & Southern Railway Co., Seattle, Wash. Canned salmon. Nos. 69,682-4; June 30; Gaz. vol. 134; p. 2239.
- Yakutat & Southern Railway Co., Seattle, Wash. Canned salmon. No. 69,839; July 7; Gaz. vol. 135; p. 215.
- Yale Hat Co., Detroit, Mich. Men's felt, straw, and stiff hats and cloth caps. No. 67,539; Feb. 4; Gaz. vol. 132; p. 1069.
- Yale & Towne Manufacturing Company, Stamford, Conn. Padlocks. No. 67,251; Jan. 28; Gaz. vol. 132; p. 835.
- Yankee Shirt Co., New York, N. Y. Men's outer shirts. No. 67,106; Jan. 14; Gaz. vol. 132; p. 463.
- Yonkers Brewery, Yonkers, N. Y. Ale, beer, porter, stout, and extract of malt and hops. No. 69,640; June 23; Gaz. vol. 134; p. 2025.
- Yonkers Brewery, Yonkers, N. Y. Beer. No. 69,641; June 23; Gaz. vol. 134; p. 2025.
- Yonkers Brewery, Yonkers, N. Y. Ale, beer, porter, and stout. No. 70,172; Aug. 4; Gaz. vol. 135; p. 1118.
- Yonkers Brewery, Yonkers, N. Y. Beer. No. 70,498; Sept. 8; Gaz. vol. 136; p. 433.
- Yonkers Brewery, Yonkers, N. Y. Ale, beer, porter, and stout. No. 70,499; Sept. 8; Gaz. vol. 136; p. 433.
- Young & Co., C. W., Philadelphia, Pa. Soft soaps. No. 68,261; Mar. 17; Gaz. vol. 133; p. 758.
- Young, J. M., Jr., Way Cross, Ga. Certain remedy. No. 68,253; Mar. 17; Gaz. vol. 133; p. 758.
- Young, Smyth, Field Company, Philadelphia, Pa. Certain fancy goods, furnishings, and notions. No. 69,531; June 16; Gaz. vol. 134; p. 1800.
- Yunker Bros. Inc., Des Moines, Iowa. Muslin underwear and corsets. No. 68,889; May 5; Gaz. vol. 134; p. 252.
- Zaidenberg & Michaelis, New York, N. Y. Certain cloaks, fur sacks, collars, and muffs. No. 70,563; Sept. 15; Gaz. vol. 136; p. 653.
- Zalewski, M. A., Detroit, Mich. Salves. No. 69,755; June 30; Gaz. vol. 134; p. 2241.
- Zeeman Fur Coat Company, New York, N. Y. Fur-lined and fur-trimmed overcoats. No. 71,570; Dec. 1; Gaz. vol. 137; p. 1233.
- Zeiss, Firm of Carl, Jena, Germany. Optical instruments. No. 67,643; Feb. 11; Gaz. vol. 132; p. 1315.
- Zeiss, Firm of Carl, Jena, Germany. Optical instruments and parts thereof. Nos. 68,570-3; Apr. 14; Gaz. vol. 133; p. 1675.
- Zeno Manufacturing Co., Chicago, Ill. Chewing-gum. No. 71,005; Oct. 20; Gaz. vol. 136; p. 1765.
- Zona Toilet Co., Wichita, Kans. Certain toilet preparations. No. 70,824; Oct. 6; Gaz. vol. 136; p. 1294.
- Zona Toilet Company, Wichita, Kans. Certain toilet preparations. No. 69,840; July 7; Gaz. vol. 135; p. 215.
- Zucker & Levett & Loeb Company, New York, N. Y. Polishing-wheels and sections thereof. No. 69,580; June 23; Gaz. vol. 134; p. 2024.
- Zwirn, A., Memphis, Tenn. Hose-supporters. No. 69,984; July 21; Gaz. vol. 135; p. 658.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- A. Schilling & Company, San Francisco, Cal. "Schilling's Best." (For Pepper.) No. 14,060; Feb. 25; Gaz. vol. 132; p. 1835.
A. Schilling & Company, San Francisco, Cal. "Schilling's Best." (For Cream Tartar.) No. 14,061; Feb. 25; Gaz. vol. 132; p. 1835.
A. Schilling & Company, San Francisco, Cal. "Schilling's Best." (For Soda.) No. 14,062; Feb. 25; Gaz. vol. 132; p. 1835.
A. Schilling & Company, San Francisco, Cal. "Schilling's Best." (For Flavoring Extracts.) No. 14,129; Apr. 7; Gaz. vol. 133; p. 1432.
Adrian Bros., Cincinnati, Ohio. "Fruit Extracts." (For Fruit Extracts for Beverages.) No. 14,264; June 30; Gaz. vol. 134; p. 2242.
Alfred H. Smith Co., New York, N. Y. "Kleanwell." (For Tooth-Brushes.) No. 14,416; Oct. 20; Gaz. vol. 136; p. 1766.
Alfred H. Smith Co., New York, N. Y. "Kleanwell." (For Tooth-Brushes.) No. 14,503; Nov. 17; Gaz. vol. 137; p. 730.
Alhambra Cigar Co., New York, N. Y. "Contrivo." (For Cigars.) No. 14,359; Sept. 22; Gaz. vol. 136; p. 845.
American Lithographic Co., New York, N. Y. "Highest Award Quality Cigars." (For Cigars.) No. 14,446; Nov. 3; Gaz. vol. 137; p. 226.
American Lithographic Co., New York, N. Y. "Medal Brand." (For Cigars.) No. 14,447; Nov. 3; Gaz. vol. 137; p. 226.
American Lithographic Company, New York, N. Y. "La Cedarsa." (For Cigars.) No. 14,152; Apr. 21; Gaz. vol. 133; p. 1933.
American Lithographic Company, New York, N. Y. "Muroña." (For Cigars.) No. 14,153; Apr. 21; Gaz. vol. 133; p. 1933.
American Lithographic Company, New York, N. Y. "The Sun Glow Cigar." (For Cigars.) No. 14,197; May 19; Gaz. vol. 134; p. 773.
American Lithographic Company, New York, N. Y. "Leon De Lis." (For Cigars.) No. 14,198; May 19; Gaz. vol. 134; p. 773.
American Lithographic Company, New York, N. Y. "Cigarros Finos." (For Cigars.) No. 14,280; July 14; Gaz. vol. 135; p. 448.
American Lithographic Company, New York, N. Y. "Leon De Lis A." (For Cigars.) No. 14,281; July 14; Gaz. vol. 135; p. 448.
American Lithographic Company, New York, N. Y. "Royal Stewart." (For Cigars.) No. 14,331; Sept. 1; Gaz. vol. 136; p. 223.
American Lithographic Company, New York, N. Y. "Tulip A." (For Cigars.) No. 14,360; Sept. 22; Gaz. vol. 136; p. 845.
American Lithographic Company, New York, N. Y. "Tulip B." (For Cigars.) No. 14,361; Sept. 22; Gaz. vol. 136; p. 845.
American Lithographic Company, New York, N. Y. "Smoke Cigars." (For Cigars.) No. 14,461; Nov. 10; Gaz. vol. 137; p. 472.
American Lithographic Company, New York, N. Y. "Cigars." (For Cigars.) No. 14,462; Nov. 10; Gaz. vol. 137; p. 472.
American Lithographic Company, New York, N. Y. "Margaret Dale." (For Cigars.) No. 14,487; Nov. 17; Gaz. vol. 137; p. 730.
American Lithographic Company, New York, N. Y. "Cigarros Finos." (For Cigars.) Nos. 14,541-2; Dec. 15; Gaz. vol. 137; p. 1708.
American Pastry & M'tg Company, New York, N. Y. "Another Biscuit." (For Soda-Crackers.) Nos. 14,369-70; Sept. 22; Gaz. vol. 136; p. 845.
Anthony Baking Company, Rochester, N. Y. "Holsum." (For Bread.) No. 14,341; Sept. 8; Gaz. vol. 136; p. 435.
Anti-Dirt Company, Cleveland, Ohio. "Anti-Dirt." (For a Scouring Preparation.) No. 14,514; Nov. 24; Gaz. vol. 137; p. 976.
Antrinn & Sons, C. W., Richmond, Va. "Twilight Tea." (For Tea.) No. 14,226; June 2; Gaz. vol. 134; p. 1296.
Appleton Brewing & Malting Co., Appleton, Wis. "Mellow Bräu." (For Beer.) No. 14,140; Apr. 14; Gaz. vol. 133; p. 1677.
Arents Manufacturing Company, Chicago, Ill. "Stickem." (For Sanitary Fly-Tape.) No. 14,272; June 30; Gaz. vol. 134; p. 2242.
Ariens, G., Jeffersonville, Ind. "Fire Proof Stove Polish—no more red stove lids." (For a Stove-Polish.) No. 14,066; Feb. 25; Gaz. vol. 132; p. 1835.
Atlas Preserving Co., Baltimore, Md. "Apple Jelly." (For Apple-Jelly.) No. 14,368; Sept. 22; Gaz. vol. 136; p. 845.
Aufrecht, G. A., New York, N. Y. "Little Whiskey." (For Whisky.) No. 14,115; Mar. 31; Gaz. vol. 133; p. 1185.
Automatic Utilities Company, New York, N. Y. "The All-Ways Safety Razor." (For Safety-Razors.) No. 14,034; Feb. 4; Gaz. vol. 132; p. 1070.
Ayer, R. W., Locust Corner, Ohio. "Wagner's Celebrated Green Mountain Salve." (For a Salve.) No. 14,259; June 23; Gaz. vol. 134; p. 2026.
Ballweg & Greenwald, New York, N. Y. "Diana Chocolates." (For Chocolates.) No. 14,256; June 23; Gaz. vol. 134; p. 2026.
Barker, A., St. Louis, Mo. "A Barker's Guarantee." (For Carpets.) No. 14,182; May 5; Gaz. vol. 134; p. 254.
Barker, A. H., St. Louis, Mo. "Quality Mark." (For Draperies, Portières, Covers, Lace Curtains, Blankets, Hammocks, Porch-Screens, Carpets, Mattings, and Rugs.) No. 14,557; Dec. 15; Gaz. vol. 137; p. 1708.
Basile & Calandra, Inc., New York, N. Y. "Felicé Luna." (For Italian Macaroni.) No. 14,227; June 2; Gaz. vol. 134; p. 1296.
Bassett Supply Co., Rochester, N. Y. "Bassett's Egg Shampoo Cream." (For a Toilet Preparation for Shampooing the Hair.) No. 14,065; Feb. 25; Gaz. vol. 132; p. 1835.
Bausher, T. B., Reading, Pa. "The New Great Marvel." (For Prepared Fuel.) No. 14,307; July 28; Gaz. vol. 135; p. 892.
Barnes, Jr., & Co., J. H., New York, N. Y. "American." (For Pads and Inks.) No. 14,111; Mar. 24; Gaz. vol. 133; p. 989.
Bennett, B. B., Plymouth, Mich. "Coontown Shooting Gallery." (For a Game.) No. 14,558; Dec. 15; Gaz. vol. 137; p. 1708.
Berman, N. (See McClure and Berman.)
Bethesda Cigar Co., Bethesda, Ohio. "Ruffle Necks Cigars." (For Cigars.) No. 14,308; Aug. 4; Gaz. vol. 135; p. 1119.
Bickmeier, W., Cincinnati, Ohio. "Frost Queen Skin Balm." (For Skin-Balm.) No. 14,400; Oct. 13; Gaz. vol. 136; p. 1730.
Birkenfeld Strauss & Co., New York, N. Y. "Birchfield Mills." (For Muslin and Muslin Garments.) No. 14,133; Apr. 7; Gaz. vol. 133; p. 1432.
Bloomington, N. S. Francisco, Cal. "Acme Bar Polish." (For a Polish.) No. 14,419; Oct. 20; Gaz. vol. 136; p. 1766.
Braun, S. J., Syracuse, N. Y. "Aunt Sall's Soda." (For Soda.) No. 14,149; Apr. 14; Gaz. vol. 133; p. 1677.
Britton, C. J., San Diego, Cal. "Britton's Carbolyzed Ointment." (For an Ointment.) No. 14,550; Dec. 15; Gaz. vol. 137; p. 1708.
Bromund, E. A., New York, N. Y. "Royal-Floor-Wax." (For Wax for Polishing Floors, Woodwork, and Furniture.) No. 14,383; Sept. 29; Gaz. vol. 136; p. 1066.
Bruce, O. F. R., New York, N. Y. "Mosaic Puzzle." (For Mosaic Puzzle.) No. 14,559; Dec. 15; Gaz. vol. 137; p. 1708.
Bryn Mawr Hights Citrus Ass'n., Brynmawr, Cal. "Preferred Stock." (For Oranges.) No. 14,568; Dec. 22; Gaz. vol. 137; p. 1937.
Burgess, A. S., New York, N. Y. "Aragum Paste." (For a Paste for Confectioners and Bakers.) No. 14,082; Mar. 10; Gaz. vol. 133; p. 511.
Burrell, D. V., Rocky Ford, Colo. "Eden Gem." (For Cantaloup-Seed.) No. 14,132; Apr. 7; Gaz. vol. 133; p. 1432.
C. & J. Michel Brewing Co., La Crosse, Wis. "Elfenbräu." (For Beer.) No. 14,374; Sept. 29; Gaz. vol. 136; p. 1066.
C. W. Abbott & Co., Inc., Baltimore, Md. "Abbott's Aromatic Bitters." (For Bitters.) No. 14,328; Aug. 25; Gaz. vol. 135; p. 1800.
Calisher & Co., New York, N. Y. "Corylopsis." (For Talcum Powder.) No. 14,569; Dec. 22; Gaz. vol. 137; p. 1937.
Carleton & Hovey Company, Lowell, Mass. "Complexion Cream Purity Brand." (For a Complexion-Cream.) No. 14,235; June 9; Gaz. vol. 134; p. 1560.
Carter, E. W., Cohoes, N. Y. "Carter's Tamarind Sauce." (For a Sauce.) No. 14,324; Aug. 25; Gaz. vol. 135; p. 1800.
Ceylana Tea Company, New York, N. Y. "Ceylana Tea." (For Ceylon Tea.) No. 14,574; Dec. 29; Gaz. vol. 137; p. 2217.
Chapman, J. M., New York, N. Y. "Cock-Tail Sardines." (For Norway Sardines in Olive-Oil.) No. 14,245; June 16; Gaz. vol. 134; p. 1801.
Chas. Jacquin et Cie., Inc., New York, N. Y. "R and R." (For a Liqueur.) No. 14,102; Mar. 24; Gaz. vol. 133; p. 989.
Chas. Jacquin et Cie., Inc., New York, N. Y. "Apricot Cordial." (For a Liqueur.) No. 14,103; Mar. 24; Gaz. vol. 133; p. 989.
Chas. Jacquin et Cie., Inc., New York, N. Y. "Crème de Cacao." (For a Liqueur.) No. 14,104; Mar. 24; Gaz. vol. 133; p. 989.
Chase, W. F., New York, N. Y. "Solín." (For a Preparation to Increase the Durability of Shoe-Soles.) No. 14,357; Sept. 15; Gaz. vol. 136; p. 656.
Cheney, J. A., Findlay, Ohio. "The Cincinnati Enquirer." (For Cigars.) No. 13,964; Jan. 7; Gaz. vol. 132; p. 229.
Chicago Wood Finishing Co., Chicago, Ill. "Re-pro The Modern American Art Finish." (For an Art Finish.) No. 14,261; June 23; Gaz. vol. 134; p. 2026.
Chiles & Co., J. W., Dr., Chicago, Ill. "Cable Piano Polish." (For Furniture-Polish.) No. 14,087; Mar. 10; Gaz. vol. 133; p. 511.
City Mills Company, Columbus, Ga. "Golden Sheaf Flour." (For Wheat-Flour.) No. 14,300; July 18; Gaz. vol. 135; p. 892.
City Mills Company, Columbus, Ga. "Richmond Fancy Patent Flour." (For Wheat-Flour.) No. 14,336; Sept. 1; Gaz. vol. 136; p. 223.
Clark Brothers Co., Galesburg, Ill. "Rare Piece." (For Cigars.) No. 14,114; Mar. 31; Gaz. vol. 133; p. 1185.

Alphabetical list of registrants of labels—Continued.

- Clark Chemical Spray Company, Findlay, Ohio. "Clark's Chemical Spray." (For a Chemical Spray for Trees, Vines, &c.) No. 14,536; Dec. 8; Gaz. vol. 137; p. 1480.
- Clark Chemical Spray Company, Findlay, Ohio. "Clarks Solution." (For a Remedy for Diseases of the Skin or Scalp.) No. 14,537; Dec. 8; Gaz. vol. 137; p. 1480.
- Clifton Forge Grocery Company, Incorporated, Clifton Forge, Va. "Old Time Rio Coffee." (For Coffee.) No. 14,145; Apr. 14; Gaz. vol. 133; p. 1677.
- Coe, E., New York, N. Y. "Cherry-Pepsin." (For a Beverage.) No. 13,995; Jan. 14; Gaz. vol. 132; p. 465.
- Colgate & Co., New York, N. Y. "Colgate's Dental Cream." (For Dental Cream.) No. 14,083; Mar. 10; Gaz. vol. 133; p. 511.
- Colgate & Co., New York, N. Y. "Colgate & Co's Antiseptic Dental Cream." (For Antiseptic Dental Cream.) No. 14,084; Mar. 10; Gaz. vol. 133; p. 511.
- Colgate & Co., New York, N. Y. "Another Original Colgate Package." (For Dental Cream.) No. 14,094; Mar. 17; Gaz. vol. 133; p. 760.
- Colgate & Co., New York, N. Y. "Fold up the Tube as Cream is Used." (For Dental Cream.) No. 14,228; June 2; Gaz. vol. 134; p. 1296.
- Colonial Cook-Card Co., Baltimore, Md. "Mamma's Recipes for Keeping Papa Home or '23' for the Cook and 100 for the Chap and the Chafer." (For Culinary Receipts.) No. 13,988; Jan. 14; Gaz. vol. 132; p. 465.
- Columbia Coffee Mills, Ltd., New Orleans, La. "Sum-Mo." (For Cane-Syrup and Glucose.) No. 14,107; Mar. 24; Gaz. vol. 133; p. 989.
- Columbia Glue Co., Chicago, Ill. "Columbia." (For Liquid Fish Glue.) No. 14,339; Sept. 1; Gaz. vol. 136; p. 223.
- Columbia Refining Company, New York, N. Y. "Columbia Oil Soap." (For Soap.) No. 14,097; Mar. 17; Gaz. vol. 133; p. 760.
- Columbia Refining Company, New York, N. Y. "Columbia Paste." (For an Oil Car-Cleaner.) No. 14,504; Nov. 17; Gaz. vol. 137; p. 730.
- Columbia Refining Company, New York, N. Y. "Columbia Thinner." (For an Oil Car-Cleaner.) No. 14,505; Nov. 17; Gaz. vol. 137; p. 730.
- Common Sense Gum Company, Boston, Mass. "Listerated Pepsin Gum." (For Chewing-Gum.) No. 14,026; Feb. 4; Gaz. vol. 132; p. 1070.
- Conrad Seipp Brg. Co., Chicago, Ill. "Extra Pale Beer." (For Beer.) No. 13,994; Jan. 14; Gaz. vol. 132; p. 465.
- Consumers Brewing Company, Philadelphia, Pa. "Penn." (For Beer.) No. 14,282; July 14; Gaz. vol. 135; p. 448.
- Coons, H. F., New York, N. Y. "Snooklim Repro." (For Blank Transfer-Cards and a Fluid by Means of Which Pictures May be Transferred to the Said Cards.) No. 14,393; Oct. 6; Gaz. vol. 136; p. 1295.
- Corning and Company, Peoria, Ill. "Corning's Canadian Type Whiskey." (For Blended Whisky.) No. 14,562; Dec. 22; Gaz. vol. 137; p. 1937.
- Crandall, S. P., New York, N. Y. "Kastroll." (For a Liquid Preparation of Castor-Oil.) No. 14,549; Dec. 15; Gaz. vol. 137; p. 1708.
- Crystal, F. J., New York, N. Y. "Soft Spun." (For Handkerchiefs.) No. 14,392; Oct. 6; Gaz. vol. 136; p. 1295.
- Crystal, F. J., New York, N. Y. "Highestgrade Handkerchiefs." (For Handkerchiefs.) No. 14,579; Dec. 29; Gaz. vol. 137; p. 2217.
- Cusimano, F., New York, N. Y. "Del Buono." (For Italian Tomato Paste.) No. 14,449; Nov. 3; Gaz. vol. 137; p. 226.
- Daggett, F. L., Boston, Mass. "Daggett's Chocolates." (For Chocolates.) No. 14,201; May 19; Gaz. vol. 134; p. 773.
- Daniel, C. A., Philadelphia, Pa. "Daniel's P. P. Rod Packing." (For Rod-Packing.) No. 14,382; Sept. 29; Gaz. vol. 136; p. 1066.
- Davidson Bros., Houston, Tex. "Dabrosa." (For Cigars.) No. 14,493; Nov. 17; Gaz. vol. 137; p. 730.
- Davidson, W., Chicago, Ill. "La Covia Blend Coffee." (For Coffee.) No. 14,090; Mar. 17; Gaz. vol. 133; p. 760.
- Davies and Meyers, Los Angeles, Cal. "Tige-Mar Remedy Co." (For a Salve.) No. 13,977; Jan. 7; Gaz. vol. 132; p. 229.
- Davis, G. H., West Orange, N. J. "Electra." (For Perforated Music Sheets or Rolls.) No. 14,052; Feb. 18; Gaz. vol. 132; p. 1584.
- Day, L., St. Augustine, Fla. "The Ponce de Leon Fountain of Youth Mineral Spring Water." (For Mineral-Spring Water.) No. 14,050; Feb. 18; Gaz. vol. 132; p. 1584.
- De Zeabault, J. L., Cleveland, Ohio. "Queen Alexandrias of Judea Sweet-Violet-Bath." (For a Bath-Powder.) No. 14,179; May 5; Gaz. vol. 134; p. 254.
- De Zeabault, J. L., Cleveland, Ohio. "Harvard-Yale-Princeton Crews Bath Powder." (For Bath-Powder.) No. 14,229; June 2; Gaz. vol. 134; p. 1296.
- De Zeabault, J. L., Cleveland, Ohio. "J. B. Actress's Health and Beauty Bath Powder." (For a Bath-Powder.) No. 14,236; June 9; Gaz. vol. 134; p. 1560.
- De Zeabault, J. L., Cleveland, Ohio. "Queen Alexandrias of Judea Sweet-Violet-Bath Powder." (For a Bath-Powder.) No. 14,345; Sept. 8; Gaz. vol. 136; p. 435.
- De Zeabault, J. L., Cleveland, Ohio. "Queen Alexandrias of Judea Royal Rice-Powder." (For Face-Powder.) No. 14,380; Sept. 29; Gaz. vol. 136; p. 1066.
- De Zeabault, J. L., Cleveland, Ohio. "Queen Alexandrias of Judea Sweet-Florentine Powder." (For Tooth-Powder.) No. 14,381; Sept. 29; Gaz. vol. 136; p. 1066.
- Depue, W. A., Lansing, Mich. "Varus." (For Cigars.) No. 14,561; Dec. 22; Gaz. vol. 137; p. 1937.
- Dextrose Food Co., Barton Heights, Va. "Dextrose." (For a Prepared Food for Infants and Invalids.) No. 14,063; Feb. 25; Gaz. vol. 132; p. 1835.
- Didier, J. A., Binghamton, N. Y. "Didier's Bitters." (For Aromatic Bitters.) No. 14,526; Dec. 1; Gaz. vol. 137; p. 1235.
- Dötting, G., Brooklyn, N. Y. "Bouquet." (For Cigars.) No. 14,185; May 12; Gaz. vol. 134; p. 512.
- Dötting, G., Brooklyn, N. Y. "Superiores." (For Cigars.) No. 14,186; May 12; Gaz. vol. 134; p. 512.
- Dötting, G., Brooklyn, N. Y. "Regalia." (For Cigars.) No. 14,187; May 12; Gaz. vol. 134; p. 512.
- Dötting, G., Brooklyn, N. Y. "Cabinets." (For Cigars.) No. 14,195; May 19; Gaz. vol. 134; p. 773.
- Dötting, G., Brooklyn, N. Y. "Flor Fina." (For Cigars.) No. 14,196; May 19; Gaz. vol. 134; p. 773.
- Dötting, G., New York, N. Y. "Imperiales." (For Cigars.) No. 14,213; May 26; Gaz. vol. 134; p. 1048.
- Dötting, G., New York, N. Y. "Especiales." (For Cigars.) No. 14,214; May 26; Gaz. vol. 134; p. 1048.
- Dötting, G., New York, N. Y. "Esquisitos." (For Cigars.) No. 14,215; May 26; Gaz. vol. 134; p. 1048.
- Dötting, G., New York, N. Y. "Selectos." (For Cigars.) No. 14,216; May 26; Gaz. vol. 134; p. 1048.
- Dötting, G., New York, N. Y. "Don Gabral." (For Cigars.) No. 14,425; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Guardamos." (For Cigars.) No. 14,426; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Acepto." (For Cigars.) No. 14,427; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Favoritas." (For Cigars.) No. 14,428; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Figaro." (For Cigars.) No. 14,429; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Perfectos." (For Cigars.) No. 14,430; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Extras." (For Cigars.) No. 14,431; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Panetelas." (For Cigars.) No. 14,432; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Perferidos." (For Cigars.) No. 14,433; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Universales." (For Cigars.) No. 14,434; Oct. 27; Gaz. vol. 136; p. 1998.
- Dötting, G., New York, N. Y. "Casa del Mundo." (For Cigars.) No. 14,463; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Doc Gordon." (For Cigars.) No. 14,464; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Flor de Isla." (For Cigars.) No. 14,465; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Gran Comercio." (For Cigars.) No. 14,466; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Non Plus Ultra." (For Cigars.) No. 14,467; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "La Adarga." (For Cigars.) No. 14,468; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Court Favorite." (For Cigars.) No. 14,469; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Armour Clad." (For Cigars.) No. 14,470; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "El Sagaz." (For Cigars.) No. 14,471; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Miss Primrose." (For Cigars.) No. 14,472; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Captain Allippo." (For Cigars.) No. 14,473; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Donna Marietta." (For Cigars.) No. 14,474; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Invincible." (For Cigars.) No. 14,475; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Exceptionales." (For Cigars.) No. 14,476; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Superfina." (For Cigars.) No. 14,477; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Pour La Noblesse." (For Cigars.) No. 14,478; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Comerciales." (For Cigars.) No. 14,479; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Petit Bouquet." (For Cigars.) No. 14,480; Nov. 10; Gaz. vol. 137; p. 472.
- Dötting, G., New York, N. Y. "Elegantes." (For Cigars.) No. 14,488; Nov. 17; Gaz. vol. 137; p. 730.
- Dötting, G., New York, N. Y. "Priola." (For Cigars.) No. 14,489; Nov. 17; Gaz. vol. 137; p. 730.
- Dötting, G., New York, N. Y. "Extra Fina." (For Cigars.) No. 14,490; Nov. 17; Gaz. vol. 137; p. 730.
- Douglas Candy Co., St. Joseph, Mo. "Superb Chocolate Creams." (For Chocolate Creams.) No. 14,351; Sept. 15; Gaz. vol. 136; p. 656.
- Dry Climate Drug Company, Denver, Colo. "Castola." (For Tasteless Castor-Oil.) No. 14,501; Nov. 17; Gaz. vol. 137; p. 730.
- Dry Climate Drug Company, Denver, Colo. "Climatic Cream." (For a Toilet Cream.) No. 14,502; Nov. 17; Gaz. vol. 137; p. 730.
- Dunlap, J. E., Boston, Mass. "Highland Chief Rheumatic Remedy." (For a Rheumatic Remedy.) No. 14,040; Feb. 11; Gaz. vol. 132; p. 1318.

Alphabetical list of registrants of labels—Continued.

- Durber Beverage Co., East Liverpool, Ohio. "Durber." (For a Carbonated Beverage.) No. 14,117; Mar. 31; Gaz. vol. 133; p. 1185.
- E. A. Conday & Co., New York, N. Y. "Self Closing." (For Cigarettes.) No. 14,396; Oct. 13; Gaz. vol. 136; p. 1530.
- E. D. St. George Co., New York, N. Y. "Naragansett." (For Ribbed Shirts.) No. 14,239; June 9; Gaz. vol. 134; p. 1560.
- Edwin B. Stimpson Company, New York, N. Y. "Headless Rivets." (For Rivets.) No. 13,981; Jan. 7; Gaz. vol. 132; p. 229.
- Edwin B. Stimpson Company, New York, N. Y. "Tubular Rivets." (For Rivets.) No. 13,982; Jan. 7; Gaz. vol. 132; p. 229.
- Edwin B. Stimpson Company, New York, N. Y. "Eyelets." (For Metal Specialties.) No. 14,019; Jan. 28; Gaz. vol. 132; p. 840.
- Ekman-Stow Co., Oroville, Cal. "E and S." (For California Olive-Oil.) No. 14,189; May 12; Gaz. vol. 134; p. 512.
- Elam & Co., I. S., Duluth, Minn. "Spiced Beets." (For Spiced Beets.) No. 14,387; Oct. 6; Gaz. vol. 136; p. 1295.
- Elgin Milk & Cream Company, Elgin, Ill. "Tulip Evaporated Milk." (For Milk Which Has Been Condensed by Evaporation.) No. 14,080; Mar. 10; Gaz. vol. 133; p. 511.
- Ericka Mfg. Company, Inc., Springfield, Mass. "Heal-Al." (For Salve.) No. 14,130; Apr. 7; Gaz. vol. 133; p. 1432.
- Eureka Brewing Company, Smithton, Pa. "Gold Crown Beer." (For Beer.) No. 14,563; Dec. 22; Gaz. vol. 137; p. 1937.
- Eureka Chemical Co., Cincinnati, Ohio. "Kaskara Pills." (For Cascara Pills for Chronic Constipation.) No. 14,346; Sept. 8; Gaz. vol. 136; p. 435.
- F. D. Farmer Co., Omaha, Nebr. "Farmer's Diamond P." (For Coffee.) No. 14,276; July 7; Gaz. vol. 135; p. 216.
- F. L. Daggett Company, Boston, Mass. "The Poppy Girl." (For Chocolates.) No. 14,498; Nov. 17; Gaz. vol. 137; p. 730.
- Farrell & Company, Omaha, Nebr. "Farrell's Wedding Breakfast Brand Table Syrup." (For a Compound of Corn-Syrup, Cane-Syrup, and Flavoring.) No. 14,512; Nov. 24; Gaz. vol. 137; p. 976.
- Fitchburg Horn Goods Co., Fitchburg, Mass. "The Greke Bandeau Classic Style." (For Hair-Retaining Bands, for Toilet Purposes, and Dressing the Hair.) No. 14,440; Oct. 27; Gaz. vol. 136; p. 1998.
- Fitzpatrick Bros., Chicago, Ill. "Kitchen Kleizer." (For Powdered Scouring-Soap.) No. 14,506; Nov. 17; Gaz. vol. 137; p. 730.
- Florida Havana Cigar Co., Pittsburg, Pa. "Two Reporters." (For Cigars.) No. 14,543; Dec. 15; Gaz. vol. 137; p. 1708.
- Follmer Clog & Co., New York, N. Y. "Dorothy Dainty Umbrellas." (For Umbrellas.) No. 14,098; Mar. 17; Gaz. vol. 133; p. 760.
- Follmer Clog & Co., New York, N. Y. "Dorothy Dainty Parasols." (For Parasols.) No. 14,099; Mar. 17; Gaz. vol. 133; p. 760.
- Ford, T. C., Frederick, S. D. "The Highest Grade Butter from the Maple Creamery." (For Butter.) No. 13,971; Jan. 7; Gaz. vol. 132; p. 229.
- Frazier & Co., C. E., Nappanee, Ind. "Sulpho-Tri-Terpenes." (For a Veterinary Remedy.) No. 14,418; Oct. 20; Gaz. vol. 136; p. 1766.
- Freeman Peruma Co., Cincinnati, Ohio. "Freeman's Toilet Talcum." (For Talcum Powder.) No. 14,577; Dec. 29; Gaz. vol. 137; p. 2217.
- Freihofer Vienna Baking Co., Philadelphia, Pa. "Freihofer's Vienna Bread Crumbs." (For Bread-Crumbs.) No. 13,984; Jan. 14; Gaz. vol. 132; p. 465.
- Freihofer Vienna Baking Co., Philadelphia, Pa. "Freihofer's Vienna Cracker Dust." (For Cracker-Dust.) No. 13,985; Jan. 14; Gaz. vol. 132; p. 465.
- Freihofer Vienna Baking Co., Philadelphia, Pa. "Freihofer's Macaroni." (For Macaroni.) No. 13,989; Jan. 14; Gaz. vol. 132; p. 465.
- Freihofer Vienna Baking Co., Philadelphia, Pa. "Freihofer's Spaghetti." (For Spaghetti.) No. 13,990; Jan. 14; Gaz. vol. 132; p. 456.
- Freihofer Vienna Baking Co., Philadelphia, Pa. "Freihofer's Soup Pastels." (For Soup-Pastils.) No. 13,993; Jan. 14; Gaz. vol. 132; p. 465.
- Freihofer Vienna Baking Co., Philadelphia, Pa. "Freihofer's Vermicelli." (For Vermicelli.) No. 14,003; Jan. 21; Gaz. vol. 132; p. 676.
- Freihofer Vienna Baking Co., Philadelphia, Pa. "Freihofer's Noodles." (For Noodles.) No. 14,004; Jan. 21; Gaz. vol. 132; p. 676.
- Frewsburg Canning Co., Frewsburg, N. Y. "Blue Bird." (For Canned Peas.) No. 14,312; Aug. 4; Gaz. vol. 135; p. 1119.
- Frewsburg Canning Co., Frewsburg, N. Y. "Cone-wan-go." (For Canned Peas.) No. 14,325; Aug. 25; Gaz. vol. 135; p. 1800.
- Friedberg & Bro., Pittsburg, Pa. "College Stogies." (For Stogies.) No. 14,520; Dec. 1; Gaz. vol. 137; p. 1235.
- Friesenhahn, H. J., Chicago, Ill. "Brockhaus—Tea (Galeopsis Grandiflora)." (For an Herb Tea.) No. 14,277; July 7; Gaz. vol. 135; p. 216.
- Gaffner, M., Philadelphia, Pa. "Genco." (For Cigars.) No. 14,036; Feb. 11; Gaz. vol. 132; p. 1318.
- Garcia & Bros., P., Chicago, Ill. "Perla del Mar." (For Cigars.) No. 14,322; Aug. 25; Gaz. vol. 135; p. 1800.
- Garden City Brewery, Chicago, Ill. "Malt Vita." (For Malt Extract.) No. 14,386; Oct. 6; Gaz. vol. 136; p. 1295.
- Gardy, H. D., Philadelphia, Pa. "Foxy Ma Kindergarten Game." (For a Game.) No. 13,980; Jan. 7; Gaz. vol. 132; p. 229.
- Gelberg, L., New York, N. Y. "Behn Hamie 'Kosher' Scouring Soap." (For a Scouring-Soap.) No. 14,330; Aug. 25; Gaz. vol. 135; p. 1800.
- Geo. Lewis & Co., Incorporated, Chicago, Ill. "Lewis' Tea." (For Tea.) No. 14,352; Sept. 15; Gaz. vol. 136; p. 656.
- Geo. Lewis & Co., Incorporated, Chicago, Ill. "Calendar." (For Tea.) No. 14,365; Sept. 22; Gaz. vol. 136; p. 845.
- Geo. Walter Brewing Co., Appleton, Wis. "Adler-Bräu." (For Beer.) No. 14,141; Apr. 14; Gaz. vol. 133; p. 1677.
- George Lewis & Co., Chicago, Ill. "Lewis' Tea." (For Tea.) No. 14,078; Mar. 10; Gaz. vol. 133; p. 511.
- Getsinger, E. C., Washington, D. C. "Oxydase." (For Oxidized Essential Oils and Carbohydrates.) No. 14,403; Oct. 13; Gaz. vol. 135; p. 1530.
- Geyer, C., Baltimore, Md. "Silver Star." (For Herring-Roe.) No. 14,203; May 19; Gaz. vol. 134; p. 773.
- Gill & Mandel, New York, N. Y. "The Specialty Waist." (For Waists.) No. 14,161; Apr. 21; Gaz. vol. 133; p. 1933.
- Gillham, R. J., Orlando, Fla. "Gillham's Aco-Pepsin." (For a Non-Alcoholic Fountain Beverage.) No. 14,525; Dec. 1; Gaz. vol. 137; p. 1235.
- Girard Manufacturing Company, Girard, Kans. "Appeal to Reason." (For Cigars.) No. 14,183; May 12; Gaz. vol. 134; p. 512.
- Githens Rexsamer & Co., Philadelphia, Pa. "The '400.'" (For Roasted Blended Coffee.) No. 14,437; Oct. 27; Gaz. vol. 136; p. 1998.
- Gitterman & Co., H., New York, N. Y. "Kumfort." (For Corset-Laces.) No. 14,407; Oct. 13; Gaz. vol. 136; p. 1530.
- Gitterman & Co., H., New York, N. Y. "Kantleak Duck." (For a Waterproofed Duck.) No. 14,422; Oct. 20; Gaz. vol. 136; p. 1766.
- Globe Coffee & Molasses Co., Inc., New Orleans, La. "All Nations' Brand." (For Coffee.) No. 14,364; Sept. 22; Gaz. vol. 136; p. 845.
- Goitrene Company, Chicago, Ill. "Goitrene." (For a Medicinal Preparation.) No. 14,337; Sept. 1; Gaz. vol. 136; p. 223.
- Gold, S., Chicago, Ill. "Gold's Zigzag Bread Made of Pure Rye Flour." (For Bread.) No. 14,146; Apr. 14; Gaz. vol. 133; p. 1677.
- Goodenow, H. B., Detroit, Mich. "Forgetnot Fruit Label Book." (For Books of Labels.) No. 14,509; Nov. 17; Gaz. vol. 137; p. 730.
- Gordon Bitters Co., Jersey City, N. J. "Gordon's Bitters." (For Bitters.) No. 14,237; June 9; Gaz. vol. 134; p. 1560.
- Gouvea, C. S., New York, N. Y. "Corkwood Portuguese Union." (For Corkwood.) No. 14,571; Dec. 22; Gaz. vol. 137; p. 1937.
- Grand Rapids Brewing Co., Grand Rapids, Mich. "Malt Foam." (For a Malt Beverage.) No. 14,263; June 30; Gaz. vol. 134; p. 2242.
- Grande, C., Sacramento, Cal. "C. Grande's La Prima Vera." (For Cigars.) No. 14,075; Mar. 10; Gaz. vol. 133; p. 511.
- Grandma's Manufacturing Company, Chicago, Ill. "Grandma's Cleaner." (For a Cleaning Preparation.) No. 14,159; Apr. 21; Gaz. vol. 133; p. 1933.
- Great American Herb Co., Washington, D. C. "American Corn Remover." (For Corn-Plasters.) No. 14,160; Apr. 21; Gaz. vol. 133; p. 1933.
- Griffing Chocolate Company, New York, N. Y. "Ye Fifth Avenue Milk-Chocolate." (For Milk-Chocolate.) No. 14,255; June 23; Gaz. vol. 134; p. 2026.
- Griffing Chocolate Company, New York, N. Y. "Griffing Chocolate Co. Breakfast Cocoa." (For Cocoa.) No. 14,413; Oct. 20; Gaz. vol. 136; p. 1766.
- Grover, E. O., Chicago, Ill. "Yama-Yama-Yum." (For Confectionery.) No. 14,389; Oct. 6; Gaz. vol. 136; p. 1295.
- Grover, E. O., Chicago, Ill. "Yama-Yama Gum." (For Chewing-Gum.) No. 14,390; Oct. 6; Gaz. vol. 136; p. 1295.
- Haliday, G. B., St. Louis, Mo. "N. W. D. G. A. Standard Scale." (For Men's, Women's, Children's, and Infants' Underwear.) No. 14,556; Dec. 15; Gaz. vol. 137; p. 1708.
- Hanover Mfg. Comp., New York, N. Y. "Iciline." (For a Preparation for Cake-Baking.) No. 13,986; Jan. 14; Gaz. vol. 132; p. 465.
- Hanover Mfg. Comp., New York, N. Y. "Hanover Tartar." (For a Preparation for Cake-Baking.) No. 13,987; Jan. 14; Gaz. vol. 132; p. 465.
- Harban, J. H., Washington, D. C. "Harban's Herb Tablets." (For a Medicinal Compound.) No. 14,005; Jan. 21; Gaz. vol. 132; p. 676.
- Hartman, W., Schuylkill Haven, Pa. "High Bred." (For Compound Rye Whisky.) No. 14,244; June 16; Gaz. vol. 134; p. 1801.
- Hartwell Brothers, Inc., Chicago Heights, Ill. "Superior Genuine Hand Made 2nd Growth Handles." (For Handles for Tools.) No. 14,581; Dec. 29; Gaz. vol. 137; p. 2217.
- Hausfeld & Huennkens Cigar Co., Milwaukee, Wis. "Stone Plover." (For Cigars.) No. 14,332; Sept. 1; Gaz. vol. 136; p. 223.
- Howley & Hoops, New York, N. Y. "Choctox." (For a Confection Made of Sterilized Beef Fiber, Whole Wheat, and Vanilla Chocolate.) No. 14,450; Nov. 3; Gaz. vol. 137; p. 226.
- Heckel, G. B., Philadelphia, Pa. "Composite Base Paint." (For Paints.) No. 14,054; Feb. 18; Gaz. vol. 132; p. 1584.
- Henschel & Co., A. C., Chicago, Ill. "Don Gusto." (For Cigars.) No. 14,022; Feb. 4; Gaz. vol. 132; p. 1070.
- Henschel & Co., A. C., Chicago, Ill. "El Arcazo." (For Cigars.) No. 14,435; Oct. 27; Gaz. vol. 136; p. 1998.
- Henschel & Co., A. C., Chicago, Ill. "Almeda." (For Cigars.) No. 14,445; Nov. 3; Gaz. vol. 137; p. 226.
- Henschel Mfg. Co., C. B., Milwaukee, Wis. "Talker." (For Cigars.) No. 14,046; Feb. 18; Gaz. vol. 132; p. 1584.
- Henschel Mfg. Co., C. B., Milwaukee, Wis. "Hammer." (For Cigars.) No. 14,047; Feb. 18; Gaz. vol. 132; p. 1584.
- Henschel Mfg. Co., C. B., Milwaukee, Wis. "Reliable." (For Cigars.) No. 14,124; Apr. 7; Gaz. vol. 133; p. 1432.
- Henschel Mfg. Co., C. B., Milwaukee, Wis. "Overland." (For Cigars.) No. 14,125; Apr. 7; Gaz. vol. 133; p. 1432.
- Henschel Mfg. Co., C. B., Milwaukee, Wis. "The Barker." (For Cigars.) No. 14,126; Apr. 7; Gaz. vol. 133; p. 1432.

Alphabetical list of registrants of labels—Continued.

- Henschel Mfg. Co., C. B., Milwaukee, Wis. "Land Mark." (For Cigars.) No. 14,240; June 16; Gaz. vol. 134; p. 1801.
Henschel Mfg. Co., C. B., Milwaukee, Wis. "Elite." (For Cigars.) No. 14,241; June 16; Gaz. vol. 134; p. 1801.
Henschel Mfg. Co., C. B., Milwaukee, Wis. "Cat Tails." (For Cigars.) No. 14,242; June 16; Gaz. vol. 134; p. 1801.
Henschel Mfg. Co., C. B., Milwaukee, Wis. "Old Faithful." (For Cigars.) No. 14,243; June 16; Gaz. vol. 134; p. 1801.
Henschel Mfg. Co., C. B., Milwaukee, Wis. "Three Cigar." (For Cigars.) No. 14,273; July 7; Gaz. vol. 135; p. 216.
Henschel Mfg. Co., C. B., Milwaukee, Wis. "Nita Allen." (For Cigars.) No. 14,274; July 7; Gaz. vol. 135; p. 216.
Herlig Manufacturing Company, Chicago, Ill. "Herlig's Sparkling Piano Polish." (For a Piano-Polish.) No. 14,355; Sept. 15; Gaz. vol. 136; p. 656.
Hicks, N., Los Angeles, Cal. "Cosmos Hair Remedy." (For a Remedy for Baldness.) No. 14,500; Nov. 17; Gaz. vol. 137; p. 730.
Hilson Company, New York, N. Y. "Corker." (For Cigars.) No. 14,410; Oct. 20; Gaz. vol. 136; p. 1766.
Himmelweit & Co., N., Columbus, Ga. "Pride of Columbus." (For Cigars.) No. 14,385; Oct. 6; Gaz. vol. 136; p. 1295.
Hirschberg, M. L., Zanesville, Ohio. "Egas." (For a Hair-Grower.) No. 14,148; Apr. 14; Gaz. vol. 133; p. 1677.
Hirschberg, M. L., Zanesville, Ohio. "Egas." (For a Hair-Grower.) No. 14,260; June 23; Gaz. vol. 134; p. 2026.
Hoag & Co., W. A., New York, N. Y. "Ezeewash." (For a Detergent for Washing Soiled Clothes.) No. 14,348; Sept. 8; Gaz. vol. 136; p. 435.
Hochstadter Co., New York, N. Y. "Bonny Brawn." (For Scotch Whisky.) No. 14,056; Feb. 25; Gaz. vol. 132; p. 1835.
Holton, H. M., New York, N. Y. "The Fire-Pen Cork Handle." (For a Gas Pyrographic Pen.) No. 14,458; Nov. 3; Gaz. vol. 137; p. 226.
Holton, H. M., New York, N. Y. "The Fire-Pen Wood Handle." (For a Gas Pyrographic Pen.) No. 14,459; Nov. 3; Gaz. vol. 137; p. 226.
Holton, H. M., New York, N. Y. "Pyro Gas Outfit." (For a Gas Pyrographic Outfit.) No. 14,460; Nov. 3; Gaz. vol. 137; p. 226.
Hot Springs Medicine Co., Hot Springs, Ark. "Hot Springs Specific Disks." (For a Remedy for the Blood, Stomach, Bowels, Liver, and Kidneys.) No. 14,248; June 16; Gaz. vol. 134; p. 1801.
Howes, A. C., Middleboro, Mass. "Uncle Sam's Crown." (For a Game.) No. 14,045; Feb. 11; Gaz. vol. 132; p. 1318.
Hulsizer Company, Des Moines, Iowa. "Affinity Puzzle." (For Puzzles.) No. 14,083; Mar. 10; Gaz. vol. 133; p. 511.
Huntley, F. S., Fitchburg, Mass. "Fir Balsam, Product of Maine." (For Fir-Balsam.) No. 14,371; Sept. 22; Gaz. vol. 136; p. 845.
Hurwitz, A., Pittsburg, Pa. "Pioneer Stogies." (For Stogies.) No. 14,316; Aug. 18; Gaz. vol. 135; p. 1580.
Hurwitz, A., Pittsburg, Pa. "The Merry Widow Stogies." (For Stogies.) No. 14,384; Oct. 6; Gaz. vol. 136; p. 1295.
Huyler's, New York, N. Y. "Soul Kisses." (For Confections.) No. 14,342; Sept. 8; Gaz. vol. 136; p. 435.
Huyler's, New York, N. Y. "Nutrio." (For Nut-Chocolate.) No. 14,575; Dec. 29; Gaz. vol. 137; p. 2217.
Hygienic Products Co., Canton, Ohio. "La Creme 'Disinfectine' Toilet Soap." No. 14,439; Oct. 27; Gaz. vol. 136; p. 1998.
I-Need-A Rubber Roofing and Paint Co., Pittsburg, Kans. "I-Need-A Rubber Roofing and Paint." (For Rubber Roofing and Paint.) No. 14,194; May 12; Gaz. vol. 134; p. 512.
Independent Breweries Co., St. Louis, Mo. "American A. B. C. Lager Beer." (For Lager-Beer.) No. 14,522; Dec. 1; Gaz. vol. 137; p. 1235.
Independent Liquor Co., St. Joseph, Mo. "Independent Liquor Co." (For Liquors.) No. 14,143; Apr. 14; Gaz. vol. 133; p. 1677.
Independent Starch Company, New York, N. Y. "Fluffy Ruffles Starch." (For Laundry Starch.) No. 14,172; Apr. 28; Gaz. vol. 133; p. 2178.
Inner Shoe Tire Co., Grand Rapids, Mich. "Shur-Hold' Patch." (For Patches for Tires.) No. 14,539; Dec. 8; Gaz. vol. 137; p. 1480.
Inner Shoe Tire Co., Grand Rapids, Mich. "Innershu." (For Inside Shoes for Tires.) No. 14,540; Dec. 8; Gaz. vol. 137; p. 1480.
J. Clavel Wine & Cordial Co., New York, N. Y. "J. Clavel Company." (For Cordials.) Nos. 14,014-15; Jan. 28; Gaz. vol. 132; p. 840.
J. Clavel Wine & Cordial Co., New York, N. Y. "J. Clavel Company Vermouth." (For Vermouth.) No. 14,204; May 19; Gaz. vol. 134; p. 773.
J. Clavel Wine & Cordial Co., New York, N. Y. "Tomahawk Brand." (For Orange Bitters.) No. 14,205; May 19; Gaz. vol. 134; p. 773.
J. D. Ryan Co., Cleveland, Ohio. "Fabrica de Tabacos Superiores Cigarros." (For Cigars.) No. 14,544; Dec. 15; Gaz. vol. 137; p. 1708.
J. W. Teasdale & Co., East St. Louis, Ill. "4 Queens Brand of Evaporated Product of Apples." (For an Evaporated Product of Apples.) No. 14,177; May 5; Gaz. vol. 134; p. 254.
J. W. Teasdale & Co., East St. Louis, Ill., and St. Louis, Mo. "Columbia Brand Evaporated Product of Apples." (For Evaporated Product of Apples.) No. 14,202; May 19; Gaz. vol. 134; p. 773.
J. W. Teasdale & Co., East St. Louis, Ill., and St. Louis, Mo. "Star Brand Evaporated Apples." (For Evaporated Apples.) No. 14,524; Dec. 1; Gaz. vol. 137; p. 1235.
Jacobs, K. H., Windsor, Pa. "Dan & Jack." (For Cigars.) No. 14,491; Nov. 17; Gaz. vol. 137; p. 730.
Jacobs, K. H., Windsor, Pa. "Tom & Jerry." (For Cigars.) No. 14,492; Nov. 17; Gaz. vol. 137; p. 730.
Jones, H. F., New York, N. Y. "Patience Puzzle." (For Picture-Puzzles.) No. 14,456; Nov. 3; Gaz. vol. 137; p. 226.
Kaiser, F., Chicago, Ill. "Kaiser's Corn Root." (For a Medical Preparation for the Removing of Corns from Human Feet.) No. 14,180; May 5; Gaz. vol. 134; p. 254.
Kalmback, J. Jr., New York, N. Y. "Sanitary Hairnet." (For Hair-Nets.) No. 14,373; Sept. 22; Gaz. vol. 136; p. 845.
Kamenstein, M., New York, N. Y. "The Boiler." (For Washboilers.) No. 14,069; Feb. 25; Gaz. vol. 132; p. 1835.
Kamm & Schellinger Brewing Co., Mishawaka, Ind. "K. and S." (For Beer.) No. 14,142; Apr. 14; Gaz. vol. 133; p. 1677.
Kant Steam Chemical Co., Chicago, Ill. "Kant Steam." (For a Preparation to Prevent Steaming or Blurring of Eyeglasses in Cold Weather.) No. 14,032; Feb. 4; Gaz. vol. 132; p. 1070.
Kenton Baking Powder Company, Cincinnati, Ohio. "Kenton Perfection Coffee." (For Coffee.) No. 14,285; July 14; Gaz. vol. 135; p. 448.
Keystone Blue Paper Co., Philadelphia, Pa. "Prepared Blue Process Paper." (For Blue-Print Paper.) No. 14,209; May 19; Gaz. vol. 134; p. 773.
Kininmonth & Co., A. S., Winfield, Kans. "Sunflower." (For Creamery-Butter.) No. 14,081; Mar. 10; Gaz. vol. 133; p. 511.
Klammer Bros., West Berkeley, Cal. "Fruitil." (For Carbonated Apple-Juice.) No. 14,367; Sept. 22; Gaz. vol. 136; p. 845.
Klein, R., Danville, Ill. "Big Dick." (For Cigars.) No. 13,999; Jan. 21; Gaz. vol. 132; p. 676.
Klinghoffer, H., Hoboken, N. J. "Klinghoffer's Metal Polish." (For Metal-Polish.) No. 14,230; June 2; Gaz. vol. 134; p. 1296.
Knaust, H. E., St. Louis, Mo. "Peero Non-Intoxicant Beverage." (For a Beverage.) No. 14,188; May 12; Gaz. vol. 134; p. 512.
Knaust, H. E., St. Louis, Mo. "Mint Ale Non-Intoxicant Beverage." (For a Beverage.) No. 14,353; Sept. 15; Gaz. vol. 136; p. 656.
Kreodent Mfg. Co., Los Angeles, Cal. "Neurotunder." (For Local Anesthetics.) No. 14,030; Feb. 4; Gaz. vol. 132; p. 1070.
Kursheedt Manuf'g Co., New York, N. Y. "Art Filet Embroidery." (For Embroidered Lace.) No. 14,067; Feb. 25; Gaz. vol. 132; p. 1835.
Kursheedt Manuf'g Co., New York, N. Y. "Braid Filet Lace." (For Embroidered Lace.) No. 14,112; Mar. 24; Gaz. vol. 133; p. 989.
Kursheedt Manuf'g Co., New York, N. Y. "Shamar Embroidery." (For Embroidered Lace.) No. 14,113; Mar. 24; Gaz. vol. 133; p. 989.
Kursheedt Manuf'g Co., New York, N. Y. "Fringe Point." (For Embroidered Lace.) No. 14,122; Mar. 31; Gaz. vol. 133; p. 1185.
L. B. Cigar Company, Buffalo, N. Y. "Grand Sultan." (For Cigars.) No. 14,545; Dec. 15; Gaz. vol. 137; p. 1708.
L. H. Beals & Son Co., Westfield, Mass. "New Bone Rawhide Whip." (For Whips.) No. 14,442; Oct. 27; Gaz. vol. 136; p. 1998.
L. H. Beals & Son Co., Westfield, Mass. "Latest Queen Java Whip." (For Whips.) No. 14,443; Oct. 27; Gaz. vol. 136; p. 1998.
La Fray & De Liere, Bellingham, Wash. "Shingle Weaver Cigar I. S. W. U. of A." (For Cigars.) No. 14,070; Mar. 3; Gaz. vol. 133; p. 227.
Lackawanna Dairy Company, Scranton, Pa. "Keystone." (For Condensed Milk.) No. 14,377; Sept. 29; Gaz. vol. 136; p. 1066.
Lake Chemical Company, New Brunswick, N. J. "Lake Foot Rest." (For a Foot-Powder.) No. 14,120; Mar. 31; Gaz. vol. 133; p. 1185.
Lakowetzky, H., Chicago, Ill. "Sporting Extra." (For Cigarettes.) No. 14,376; Sept. 29; Gaz. vol. 136; p. 1066.
Las Dos Naciones Cigar Co., Nogales, Ariz. Ter. "Diploma del Rey." (For Cigars.) No. 14,572; Dec. 29; Gaz. vol. 137; p. 2217.
Laverty, J. D., Williamsport, Pa. "American Malted Fruit." (For a Filling for Pies, Layer-Cakes, and Dessert.) No. 14,190; May 12; Gaz. vol. 134; p. 512.
Laxacura Chemical Co., Lisbon, Ohio. "Thor-ax-ine." (For Medicine.) No. 14,029; Feb. 4; Gaz. vol. 132; p. 1070.
Laxative Food Company, Marion, Ind. "Food Laxative." (For a Medicinal Preparation.) No. 14,110; Mar. 24; Gaz. vol. 133; p. 989.
Lefkowitz, S., Huntington, N. Y. "Target Rock Whiskey." (For Blended Whisky.) No. 14,217; May 26; Gaz. vol. 134; p. 1048.
Lehealol Company, Melrose, Mass. "Lehealol Soap." (For Soap.) No. 14,085; Mar. 10; Gaz. vol. 133; p. 511.
Leonard & Co., R. A., Chilkoot, Alaska. "Flaksomo." (For Canned Salmon.) No. 14,448; Nov. 3; Gaz. vol. 137; p. 226.
Leonori, F. R., New York, N. Y. "Ramsey's Trinidad Bitters 'The Bitters Done Up Brown.'" (For Trinidad Bitters.) No. 14,499; Nov. 17; Gaz. vol. 137; p. 730.
Lepper, H. H., Chicago, Ill. "Almond Whiteners." (For Ointment for Use After Washing.) No. 14,041; Feb. 11; Gaz. vol. 132; p. 1318.
Lepper, H. H., Chicago, Ill. "Skin-Clean-O." (For a Toilet Powder to be Used in Place of Soap.) No. 14,042; Feb. 11; Gaz. vol. 132; p. 1318.
Lepper, H. H., Chicago, Ill. "Skin Nourisher." (For a Pharmaceutical Preparation for Building Depleted Physical Tissues, &c.) No. 14,043; Feb. 11; Gaz. vol. 132; p. 1318.
Lepper, H. H., Chicago, Ill. "Princess Cold Cream." (For a Salve for Cleansing the Face and Removing Impurities from the Skin.) No. 14,044; Feb. 11; Gaz. vol. 132; p. 1318.
Lepper, H. H., Chicago, Ill. "Persiprine." (For a Remedy for Excessive Perspiration and for Odors Arising from the Skin.) No. 14,286; July 14; Gaz. vol. 135; p. 448.

Alphabetical list of registrants of labels—Continued.

- Levin, I., Philadelphia, Pa. "Household." (For Tomato-Pulp.) No. 14,257; June 23; Gaz. vol. 134; p. 206.
- Lewis, A. D., Atlanta, Ga. "Schooner Brew." (For a Non-Alcoholic Beverage.) No. 14,077; Mar. 10; Gaz. vol. 133; p. 511.
- Lewis, A. D., Atlanta, Ga. "Coca Ginger." (For a Non-Alcoholic Beverage.) No. 14,105; Mar. 24; Gaz. vol. 133; p. 989.
- Lewkowicz, I. H., Sharon, Pa. "Dr. I. H. Lewkowicz's Antiseptic Tooth Powder." (For Tooth-Powder.) No. 14,398; Oct. 13; Gaz. vol. 136; p. 1530.
- Lewkowicz, I. H., Sharon, Pa. "Dr. I. H. Lewkowicz's Antiseptic Tooth Brush." (For Tooth-Brush.) No. 14,399; Oct. 13; Gaz. vol. 136; p. 1530.
- Lewkowicz, I. H., Sharon, Pa. "Dr. I. H. Lewkowicz's Antiseptic Plate Brush." (For Plate-Brush for Artificial Teeth.) No. 14,441; Oct. 27; Gaz. vol. 136; p. 1998.
- Lewkowicz, I. H., Sharon, Pa. "Dr. I. H. Lewkowicz's Antiseptic Tooth Wash." (For Tooth-Wash.) No. 14,454; Nov. 3; Gaz. vol. 137; p. 226.
- Lewkowicz, I. H., Sharon, Pa. "Dr. I. H. Lewkowicz's Antiseptic Tooth Paste." (For Tooth-Paste.) No. 14,455; Nov. 3; Gaz. vol. 137; p. 226.
- Lexington Brewing Company, Lexington Ky. "Malt Mead." (For a Non-Intoxicating Beer.) No. 14,154; Apr. 21; Gaz. vol. 133; p. 1933.
- Litch, L. W., Lynn, Mass. "Litch's Hygienic Bath." (For Liniment.) No. 14,031; Feb. 4; Gaz. vol. 132; p. 1070.
- Lord, S., New York, N. Y. "Tubby Bare." (For a Combination Washkit.) No. 14,252; June 16; Gaz. vol. 134; p. 1801.
- Loughlin, R., Creston, Iowa. "Rajah Del Durbur." (For Cigars.) No. 14,021; Feb. 4; Gaz. vol. 132; p. 1070.
- Louisiana Molasses Co. Ltd., New Orleans, La. "Sweetheart." (For Canned Syrup.) No. 14,147; Apr. 14; Gaz. vol. 133; p. 1677.
- Lovestran, G. T., Rockford, Ill. "Enbärsdricka." (For a Tonic Beverage.) No. 14,128; Apr. 7; Gaz. vol. 133; p. 1432.
- Lowe, M., New York, N. Y. "Fairskin." (For Creams and Lotions.) No. 14,178; May 5; Gaz. vol. 134; p. 254.
- Lubs, C. W., Arcadia, Wis. "Black Beauty Stove Polish." (For Stove-Polish.) No. 14,552; Dec. 15; Gaz. vol. 137; p. 1708.
- Lydia E. Pinkham Medicine Company, Lynn, Mass. "Sanative Wash." (For a Preparation for Women's Ailments.) No. 13,978; Jan. 7; Gaz. vol. 132; p. 229.
- M. and H. Chemical Co., New York, N. Y. "Crown Foot Powder." (For Foot-Powder.) No. 14,051; Feb. 18; Gaz. vol. 132; p. 1584.
- Maier, C. E., Newark, N. J. "Brugner's Violet Talcum Powder." (For Talcum Powder.) No. 14,538; Dec. 8; Gaz. vol. 137; p. 1480.
- Mandeville & King Co., Rochester, N. Y. "Superior Flower Seeds." (For Flower-Seeds.) No. 14,507; Nov. 17; Gaz. vol. 137; p. 730.
- Mandeville & King Co., Rochester, N. Y. "Superior Sweet Peas and Nasturtiums." (For Sweet-Pea and Nasturtium Flowers.) No. 14,570; Dec. 22; Gaz. vol. 137; p. 1937.
- Manheim Hosiery Mills Co., Manheim, Pa. "Manheim Mendless Socks." (For Hosiery.) No. 14,270; June 30; Gaz. vol. 134; p. 2242.
- Manierre-Yoe Syrup Co., Chicago, Ill. "By Gum." (For Gum-Drops.) No. 14,327; Aug. 25; Gaz. vol. 135; p. 1800.
- Manz, G. A., Syracuse, N. Y. "Star Fibre Wrapping Paper for Butchers and Grocers." (For Wrapping-Paper.) No. 14,529; Dec. 1; Gaz. vol. 137; p. 1235.
- Manz, G. A., Syracuse, N. Y. "Superior Water Proof Wrapping Paper for Butchers and Grocers." (For Wrapping-Paper.) No. 14,530; Dec. 1; Gaz. vol. 137; p. 1235.
- Manz, G. A., Syracuse, N. Y. "O. K. Fibre Paper for Wrapping Meats and Dry Goods." (For Wrapping-Paper.) No. 14,531; Dec. 1; Gaz. vol. 137; p. 1235.
- Manz, G. A., Syracuse, N. Y. "Ogee Fibre Paper for Wrapping Meats and Dry Goods." (For Wrapping-Paper.) No. 14,532; Dec. 1; Gaz. vol. 137; p. 1235.
- Manz, G. A., Syracuse, N. Y. "Regal Fibre a Modern Paper G." (For Wrapping-Paper.) No. 14,553; Dec. 15; Gaz. vol. 137; p. 1708.
- Marchiony, F., Brooklyn, N. Y. "Crispo." (For Ice-Wafer.) No. 14,438; Oct. 27; Gaz. vol. 136; p. 1998.
- Mariani Bros., New York, N. Y. "Ferro-China Marion." (For Medicine.) No. 14,028; Feb. 4; Gaz. vol. 132; p. 1070.
- Marie Remedy Co., Chicago, Ill. "Marie's Cough Syrup." (For Cough-Syrup.) No. 14,304; July 28; Gaz. vol. 135; p. 892.
- Mark Man'g. Co., Evanston, Ill., and Zanesville, Ohio. "Black Cup Leather Mark 'Perfection.'" (For Cup-Leathers.) No. 14,484; Nov. 10; Gaz. vol. 137; p. 472.
- Mark Man'g. Co., Evanston, Ill., and Zanesville, Ohio. "Mark 'Quality' Cup Leathers." (For Cup-Leathers.) No. 14,485; Nov. 10; Gaz. vol. 137; p. 472.
- Mark Man'g. Co., Evanston, Ill., and Zanesville, Ohio. "Mark 'Standard' Cup Leathers." (For Cup-Leathers.) No. 14,486; Nov. 10; Gaz. vol. 137; p. 472.
- Mawby, J. V., Philadelphia, Pa. "Ye Old Colonials." (For Rugs and Carpets.) No. 14,035; Feb. 4; Gaz. vol. 132; p. 1070.
- Maxa, L., Cleveland, Ohio. "Bohemian National Blended Old Rye Whiskey." (For a Blend of Rye Whiskies.) No. 14,350; Sept. 15; Gaz. vol. 136; p. 656.
- McBrady, J. E., Chicago, Ill. "McBrady's American Beauty Face Powder." (For Face-Powder.) No. 14,192; May 12; Gaz. vol. 134; p. 512.
- McClure, J., and N. Berman, Philadelphia, Pa. "McClure and Berman's Typhoid Fever Remedy." (For Typhoid-Fever Remedy.) No. 14,224; May 26; Gaz. vol. 134; p. 1048.
- McCord Mercantile Company, Pueblo, Colo. "Navajo." (For Canned Corn.) No. 14,378; Sept. 29; Gaz. vol. 136; p. 1066.
- McCord Mercantile Co., Pueblo, Colo. "McCord's Extras." (For Canned Peaches.) No. 14,388; Oct. 6; Gaz. vol. 136; p. 1295.
- McFadden, R. M., Detroit, Mich. "McFadden's Dan-Do." (For a Hair-Tonic.) No. 14,207; May 19; Gaz. vol. 134; p. 773.
- McGill, G. W., New York, N. Y. "Improved Gem Clips." (For Clips for Holding Papers.) No. 14,554; Dec. 15; Gaz. vol. 137; p. 1708.
- McKenzie Bros., Danville, Ill. "Aroma." (For Cigars.) No. 14,409; Oct. 20; Gaz. vol. 136; p. 1766.
- Messer, J. L., Pittsburgh, Pa. "Charcoal Chewing Gum." (For Charcoal Chewing-Gum.) No. 14,108; Mar. 24; Gaz. vol. 133; p. 989.
- Messer, J. L., Pittsburgh, Pa. "Messer's Charcoal Gum." (For Charcoal Chewing-Gum.) No. 14,294; July 21; Gaz. vol. 135; p. 660.
- Metz, M. A., Philadelphia, Pa. "Alpha Brand." (For Sweater-Coats.) No. 14,444; Oct. 27; Gaz. vol. 136; p. 1998.
- Meyer, F., Chicago, Ill. "Anthedake." (For Hats.) No. 14,269; June 30; Gaz. vol. 134; p. 2242.
- Meyer Nilsson Company, Akron, Ohio. "Pink Velvetine Face Wash." (For a Face-Wash.) No. 14,318; Aug. 18; Gaz. vol. 135; p. 1580.
- Mezcal Tequila Distillery Co., Inc., San Francisco, Cal. "Damiana." (For a Cordial.) No. 14,199; May 19; Gaz. vol. 134; p. 773.
- Mezcal Tequila Distillery Co., Inc., San Francisco, Cal. "Mezcal Tequila." (For a Liquor.) No. 14,200; May 19; Gaz. vol. 134; p. 773.
- Michel, J. W., Binghamton, N. Y. "Torpedo Cigar." (For Cigars.) No. 14,231; June 9; Gaz. vol. 134; p. 1560.
- Milne, H., New York, N. Y. "Milne's Caro-Balsam Hair Restorer." (For Hair-Restorer.) No. 14,401; Oct. 13; Gaz. vol. 136; p. 1530.
- Milwaukee-Waukesha Brewing Company, Milwaukee and Waukesha, Wis. "Health Beer." (For Beer.) No. 14,511; Nov. 24; Gaz. vol. 137; p. 976.
- Minneapolis Macaroni Company, Minneapolis, Minn. "Stork." (For Macaroni.) No. 14,072; Mar. 3; Gaz. vol. 133; p. 227.
- Moehle Lithographic Co., New York, N. Y. "El Stilo." (For Cigars.) No. 14,008; Jan. 28; Gaz. vol. 132; p. 840.
- Moehle Lithographic Co., New York, N. Y. "Henry Draper." (For Cigars.) No. 14,009; Jan. 28; Gaz. vol. 132; p. 840.
- Moehle Lithographic Co., New York, N. Y. "El Vincero." (For Cigars.) No. 14,010; Jan. 28; Gaz. vol. 132; p. 840.
- Moehle Lithographic Co., New York, N. Y. "Rover." (For Cigars.) No. 14,011; Jan. 28; Gaz. vol. 132; p. 840.
- Moehle Lithographic Co., New York, N. Y. "Alma." (For Cigars.) No. 14,012; Jan. 28; Gaz. vol. 132; p. 840.
- Moehle Lithographic Co., New York, N. Y. "John Torrey." (For Cigars.) No. 14,013; Jan. 28; Gaz. vol. 132; p. 840.
- Moehle Lithographic Co., New York, N. Y. "Rose-Bud." (For Cigars.) No. 14,309; Aug. 4; Gaz. vol. 135; p. 1119.
- Moehle Lithographic Co., New York, N. Y. "Lord Bristol." (For Cigars.) No. 14,310; Aug. 4; Gaz. vol. 135; p. 1119.
- Moehle Lithographic Co., New York, N. Y. "Prof. Garcia." (For Cigars.) No. 14,311; Aug. 4; Gaz. vol. 135; p. 1119.
- Monarch Cream Co., Ramsey, N. J. "Monarch Cream." (For a Preparation for Purifying, Cleansing, and Healing the Skin.) No. 14,095; Mar. 17; Gaz. vol. 133; p. 760.
- Morgantown Drug & Chemical Co., Morgantown, W. Va. "Chinese Anti-Typhoid Fever Remedy." (For Remedy for Typhoid Fever.) No. 14,314; Aug. 4; Gaz. vol. 135; p. 1119.
- Morris, W. C., Salt Lake City, Utah. "Morris's Anti-Rust." (For a Dressing or Polish for Gas and Coal Ranges and other Metal Articles.) No. 14,150; Apr. 14; Gaz. vol. 133; p. 1677.
- Munsell & Co., E., New York, N. Y. "Munsell's Mica." (For Mica.) No. 14,279; July 7; Gaz. vol. 135; p. 216.
- Murray Mfg. Co., Detroit, Mich. "Murray's Diamond Cleanser The Housekeeper's Friend." (For Cleansing Compounds.) No. 14,086; Mar. 10; Gaz. vol. 133; p. 511.
- Narjot, E., Los Angeles, Cal. "Eggalene." (For Toilet Preparations.) No. 14,006; Jan. 21; Gaz. vol. 132; p. 676.
- National Candy Company, St. Louis, Mo. "Auto Girl." (For Candy.) No. 14,023; Feb. 4; Gaz. vol. 132; p. 1070.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. "Janice." (For Candy.) No. 14,057; Feb. 25; Gaz. vol. 132; p. 1835.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. "Lilac Girl." (For Candy.) No. 14,058; Feb. 25; Gaz. vol. 132; p. 1835.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. "Merry Widow." (For Chocolates.) No. 14,266; June 30; Gaz. vol. 134; p. 2242.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. "Dixie Freckles." (For Candy.) No. 14,303; July 28; Gaz. vol. 135; p. 892.
- National Chemical Co., Syracuse, N. Y. "Ammonia Laundry Soda." (For Laundry Soda.) No. 14,578; Dec. 29; Gaz. vol. 137; p. 2217.
- National Temple of Labor, Washington, D. C. "Temple Association." (For Cigars.) No. 14,162; Apr. 28; Gaz. vol. 133; p. 2178.
- National Temple of Labor, Washington, D. C. "National Temple." (For Cigars.) No. 14,163; Apr. 28; Gaz. vol. 133; p. 2178.

Alphabetical list of registrants of labels—Continued.

- Nelson, J., Fort Dodge, Iowa. "Scandinavian Rupture Remedy." (For a Scandinavian Rupture Remedy.) No. 14,527; Dec. 1; Gaz. vol. 137; p. 1235.
- Neuman & Co., L. E., New York, N. Y. "James Lindsay." (For Cigars.) No. 14,253; June 23; Gaz. vol. 134; p. 2026.
- Neuwahl, G., Altoona, Pa. "Barney." (For Cigars.) No. 14,225; June 2; Gaz. vol. 134; p. 1296.
- New Idea Game Company, Oakland, Cal. "Pirate and Traveler." (For a Game.) No. 14,580; Dec. 29; Gaz. vol. 137; p. 2217.
- Newton, V. M., Montclair, N. J. "Hercules Bread." (For Bread.) No. 14,071; Mar. 3; Gaz. vol. 133; p. 227.
- Niles & Moser Cigar Co., Kansas City, Mo. "Niles & Moser's Hand Made." (For Cigars.) No. 14,323; Aug. 25; Gaz. vol. 135; p. 1800.
- Old Kentucky Whiskey Company, Ltd., Detroit, Mich. "Canadian Process Whiskey." (For Whisky.) No. 14,174; May 5; Gaz. vol. 134; p. 254.
- Oliver Bros., New York, N. Y. "Olds English Mince." (For Mince.) No. 14,025; Feb. 4; Gaz. vol. 132; p. 1070.
- Ortega, E. C., Los Angeles, Cal. "Pimientos Morones." (For Bell-Peppers.) No. 13,991; Jan. 14; Gaz. vol. 132; p. 465.
- Ortega, E. C., Los Angeles, Cal. "La Señorita." (For Pepper-Sauce.) No. 13,992; Jan. 14; Gaz. vol. 132; p. 465.
- Ortega, E. C., Los Angeles, Cal. "Ortega's Salsa." (For Green-Chili Sauce.) No. 14,091; Mar. 17; Gaz. vol. 133; p. 760.
- Owens, J. H., Milwaukee, Wis. "Owen's Rheumatic Remedy." (For a Rheumatic Remedy.) No. 14,356; Sept. 15; Gaz. vol. 136; p. 656.
- Oxford Linen Mills, North Brookfield, Mass. "Oxford Linen Mills Pure Linen." (For Linen.) No. 14,424; Oct. 20; Gaz. vol. 136; p. 1766.
- Pacific Coast Rattan Co., Inc., San Francisco, Cal. "Paccorat." (For Furniture.) No. 14,007; Jan. 21; Gaz. vol. 132; p. 676.
- Pacific Mills, Lawrence and Boston, Mass. "Serpentine Crêpe." (For Crêpe Cloth.) No. 14,210; May 19; Gaz. vol. 134; p. 773.
- Papas, P. G., Reno, Nev. "Papas' Rheumatism Specific." (For a Medicine.) No. 14,118; Mar. 31; Gaz. vol. 133; p. 1185.
- Pape, Thompson & Pape, Cincinnati, Ohio. "Triangles of Diapepsin." (For a Medical Preparation.) No. 13,997; Jan. 14; Gaz. vol. 132; p. 465.
- Pearl, E., New York, N. Y. "School Boys Useful School Article U. S. A. Pencil Case." (For Pencil-Case.) No. 14,349; Sept. 8; Gaz. vol. 136; p. 435.
- Pederson Mercantile Company, Moorhead, Minn. "Old Advocate Whiskey." (For Blended Whisky.) No. 14,496; Nov. 17; Gaz. vol. 137; p. 730.
- Perfecto Garcia & Bros., Chicago, Ill., and Tampa, Fla. "Perfecto Garcia & Bros." (For Cigars.) No. 14,573; Dec. 29; Gaz. vol. 137; p. 2217.
- Perry, B. A., Oshkosh, Wis. "Woodruff Celebrated Sticking Plaster." (For Sticking-Plasters.) No. 14,017; Jan. 28; Gaz. vol. 132; p. 840.
- Perry, B. A., Oshkosh, Wis. "Perry's Magic Tooth Paste." (For Tooth-Paste.) No. 14,343; Sept. 8; Gaz. vol. 136; p. 435.
- Petersen, N. J., Philadelphia, Pa. "Old Country Assam Tea." (For Tea.) No. 14,155; Apr. 21; Gaz. vol. 133; p. 1933.
- Petrocelli, J., New York, N. Y. "Ohio Puro d'Olive." (For Italian Olive-Oil.) No. 14,548; Dec. 15; Gaz. vol. 137; p. 1708.
- Phoenix Color Works, New York, N. Y. "China-Lac." (For a Varnish-Stain.) No. 14,372; Sept. 22; Gaz. vol. 136; p. 845.
- Pike, W., Fresno, Cal. "Maltese Cross Brand." (For Raisins.) No. 14,024; Feb. 4; Gaz. vol. 132; p. 1070.
- Pioneer Green Chile Packing Co., Los Angeles, Cal. "Ortega Brand." (For a Canned Preparation of Chilli and Tomatoes.) No. 14,326; Aug. 25; Gaz. vol. 135; p. 1800.
- Plant & Co., Newark, N. J. "Sure Proof." (For Hosiery.) No. 14,408; Oct. 13; Gaz. vol. 136; p. 1530.
- Platt, C. C., New York, N. Y. "Gartlet 'A Garter Without Harness.'" (For Garters.) No. 14,315; Aug. 4; Gaz. vol. 135; p. 1119.
- Pollack, J., Cleveland, Ohio. "J. Pollack's Famous Stogies." (For Stogies.) No. 14,411; Oct. 20; Gaz. vol. 136; p. 1766.
- Pomerantz, V. P., New York, N. Y. "Elite." (For Cigarettes.) No. 13,983; Jan. 14; Gaz. vol. 132; p. 465.
- Ponton, J., Jersey City, N. J. "Cold Water Glue." (For Cold-Water Glue.) No. 14,404; Oct. 13; Gaz. vol. 136; p. 1530.
- Porter, J. P., Vancouver, Wash. "Table Rock Mineral Water." (For Natural Mineral Water.) No. 14,375; Sept. 29; Gaz. vol. 136; p. 1066.
- Powell & Co., L., New York, N. Y. "Cigars." (For Cigars.) No. 14,560; Dec. 22; Gaz. vol. 137; p. 1937.
- Pryory Sauce Co., Chicago, Ill. "Ye 'Pryory' Sauce." (For Sauce.) No. 14,157; Apr. 21; Gaz. vol. 133; p. 1933.
- Puff, J. D., Maplewood, Mo. "Prost." (For Lager-Beer.) No. 14,521; Dec. 1; Gaz. vol. 137; p. 1235.
- Pugh Brother's Company, Somerset, Pa. "Pugh's Magic Liniment." (For a Liniment.) No. 14,249; June 16; Gaz. vol. 134; p. 1801.
- Pushkareff, N., Kansas City, Mo. "Imperial Caviar." (For Caviar.) No. 14,258; June 23; Gaz. vol. 134; p. 2026.
- Rahayel, C., New York, N. Y. "Extrait Rose de France." (For Rose Perfume Extract.) No. 14,344; Sept. 8; Gaz. vol. 136; p. 435.
- Ralston Purina Co., St. Louis, Mo. "Star Feed." (For Stock and Poultry Feed.) No. 14,064; Feb. 25; Gaz. vol. 132; p. 1835.
- Randall-Faichney Company, Boston, Mass. "The Safety Aseptic Sub-Q." (For Syringes.) No. 14,319; Aug. 18; Gaz. vol. 135; p. 1580.
- Reames, R., Kansas City, Mo. "Jap-A-Ice." (For an Ointment.) No. 14,109; Mar. 24; Gaz. vol. 133; p. 989.
- Red Rock Spring Water Co., Spring Valley, N. J. "Nipper Brand." (For Ginger-Ale.) No. 14,167; Apr. 28; Gaz. vol. 133; p. 2178.
- Red Rock Spring Water Co., Spring Valley, N. J. "Red Rock." (For Aerated Water.) No. 14,175; May 5; Gaz. vol. 134; p. 254.
- Reed, P. C., Lincoln, Ill. "One-at-Night Tablets." (For a Medicine for Constipation, Liver Trouble, and Biliousness.) No. 14,278; July 7; Gaz. vol. 135; p. 216.
- Reinthal & Newman, New York, N. Y. "A Collection of the Famous Boileau Heads." (For Envelops of a Special Design for Post-Cards.) No. 14,053; Feb. 18; Gaz. vol. 132; p. 1584.
- Renfro Bros. Co., Chicago, Ill. "Renfro's Coffees." (For Coffees.) No. 14,535; Dec. 8; Gaz. vol. 137; p. 1480.
- Reno Brewing Co., Incorporated, Reno, Nev. "Malt Rose." (For Beer.) No. 14,127; Apr. 7; Gaz. vol. 133; p. 1432.
- Republic Metalware Co., Buffalo, N. Y. "Steel-Gray Enameled Ware." (For Enameled Ware.) No. 14,018; Jan. 28; Gaz. vol. 132; p. 840.
- Republic Stamping & Enameling Co., Canton, Ohio. "Old English Gray Ware." (For Enamelware.) No. 14,533; Dec. 1; Gaz. vol. 137; p. 1235.
- Ricciardelli, F., McAdoo, Pa. "Pura Semola." (For Macaroni.) No. 14,039; Feb. 11; Gaz. vol. 132; p. 1318.
- Richardson, M. H., New York, N. Y. "Perplexity Puzzle." (For Puzzle.) No. 14,287; July 14; Gaz. vol. 135; p. 448.
- Richardson, W. S., Marietta, Ohio. "This is It." (For Medicine.) No. 14,170; Apr. 28; Gaz. vol. 133; p. 2178.
- Rief, F. J., Boston, Mass. "Tekol." (For a Medicinal Compound in Tablet Form.) No. 14,329; Aug. 25; Gaz. vol. 135; p. 1800.
- Risser, M. N., Elizabethtown, Pa. "Excellent Medicated Egg and Poultry Tonic." (For Egg and Poultry Food.) No. 14,513; Nov. 24; Gaz. vol. 137; p. 976.
- Ritter, C., Angola, Ind. "Macrum's Celebrated Liniment." (For a Liniment for Man and Beast.) No. 14,402; Oct. 13; Gaz. vol. 136; p. 1530.
- Robert Portaer Brewing Company, Alexandria, Va. "Small Brew." (For a Mild Fermented and Carbonated Infusion of Malt and Hops.) No. 14,224; June 16; Gaz. vol. 134; p. 1801.
- Robert Portner Brewing Company, Alexandria, Va. "Amberine 'Malt Beverage.'" (For a Mild Infusion of Malt and Hops.) No. 14,247; June 16; Gaz. vol. 134; p. 1801.
- Rodenbeck, C. C., Fort Wayne, Ind. "El Contrario." (For Cigars.) No. 14,184; May 12; Gaz. vol. 134; p. 512.
- Rollberg, C., Inwood, N. Y. "Crucible Cough Remedy." (For Cough Remedy.) No. 13,974; Jan. 7; Gaz. vol. 132; p. 229.
- Rosenthal Manufacturing Company, New York, N. Y. "Standard Clothes of Distinctive Character." (For Clothes.) No. 14,135; Apr. 7; Gaz. vol. 133; p. 1432.
- Royal Paper Box Manufacturing Company, Philadelphia, Pa. "Kerchiefs." (For Handkerchiefs.) No. 14,423; Oct. 20; Gaz. vol. 136; p. 1766.
- Royal Paper Box M'fg Co., Philadelphia, Pa. "Kerchiefs." (For Handkerchiefs.) No. 14,173; Apr. 28; Gaz. vol. 133; p. 2178.
- Rubens, M., New York, N. Y. "The Jig-Saw Puzzle Picture." (For Picture-Puzzles.) No. 14,405; Oct. 13; Gaz. vol. 136; p. 1530.
- Rubens, M., New York, N. Y. "The Marquetry Puzzle Picture." (For Picture-Puzzles.) No. 14,457; Nov. 3; Gaz. vol. 137; p. 226.
- Ruppert, J., New York, N. Y. "Jacob Ruppert Extra Beer." (For Lager-Beer.) No. 14,137; Apr. 14; Gaz. vol. 133; p. 1677.
- Ruppert, J., New York, N. Y. "Jacob Ruppert Ruppiner Beer." (For Lager-Beer.) No. 14,138; Apr. 14; Gaz. vol. 133; p. 1677.
- Ruppert, J., New York, N. Y. "Jacob Ruppert Knickerbocker Beer." (For Lager-Beer.) No. 14,139; Apr. 14; Gaz. vol. 133; p. 1677.
- Ruppert, J., New York, N. Y. "Jacob Ruppert Metropolitan Beer." (For Lager-Beer.) No. 14,218; May 26; Gaz. vol. 134; p. 1048.
- Ruppert, J., New York, N. Y. "Jacob Ruppert's Extract of Malt." (For Extract of Malt.) No. 14,219; May 26; Gaz. vol. 134; p. 1048.
- Russell Jennings Mfg. Co., Chester, Conn. "Russell Jennings' Extension Lip Auger Bits." (For Extension-Lip Auger-Bits.) No. 14,123; Mar. 31; Gaz. vol. 133; p. 1185.
- S. S. Borden Co., Chicago, Ill. "S. S. Borden Co's Creamery Butter XXXX Brand." (For Creamery-Butter.) No. 14,059; Feb. 25; Gaz. vol. 132; p. 1835.
- Sacks, J. H., Baltimore, Md. "Y. M. C. A. Cigar." (For Cigars.) No. 13,965; Jan. 7; Gaz. vol. 132; p. 229.
- Samuels & Co., J., New York, N. Y. "Affinity." (For Whisky.) No. 14,049; Feb. 18; Gaz. vol. 132; p. 1584.
- Sands, Taylor & Wood Co., Boston, Mass. "Witch Brand Flour." (For Flour.) No. 14,414; Oct. 20; Gaz. vol. 136; p. 1766.
- Sapiro, G., Pittsburg, Pa. "Dr. Bismatt's Celery Tonic." (For a Medicinal Tonic.) No. 14,206; May 19; Gaz. vol. 134; p. 773.
- Sargeant, S. M., Worcester, Mass. "Pond Lily." (For Cold-Cream.) No. 14,379; Sept. 29; Gaz. vol. 136; p. 1066.
- Satlein, J., New York, N. Y. "American Breakfast Cocoa." (For Cocoa.) No. 14,397; Oct. 13; Gaz. vol. 136; p. 1530.
- Sauter, J. D., Poughkeepsie, N. Y. "The Merry Widow." (For Perfumery.) No. 14,354; Sept. 15; Gaz. vol. 136; p. 656.
- Savage, J. M., Franklin, N. H. "Savage's Hair Tonic." (For a Hair Remedy.) No. 14,452; Nov. 3; Gaz. vol. 137; p. 226.
- Scheur Bros., New York, N. Y. "Scheur's Nevo-Fado, The 'Rite' Ink." (For Writing-Ink.) No. 14,033; Feb. 4; Gaz. vol. 132; p. 1070.

Alphabetical list of registrants of labels—Continued.

- Schlegel, G., New York, N. Y. "Sordello." (For Cigars.) No. 14,436; Oct. 27; Gaz. vol. 136; p. 1998.
- Schmidt & Co., New York, N. Y. "La Ritica." (For Cigars.) No. 13,966; Jan. 7; Gaz. vol. 132; p. 229.
- Schmidt & Co., New York, N. Y. "Espiola." (For Cigars.) No. 13,967; Jan. 7; Gaz. vol. 132; p. 229.
- Schmidt & Co., New York, N. Y. "La Premonette." (For Cigars.) No. 13,968; Jan. 7; Gaz. vol. 132; p. 229.
- Schmidt & Co., New York, N. Y. "Eminola." (For Cigars.) No. 13,969; Jan. 7; Gaz. vol. 132; p. 229.
- Schmidt & Co., New York, N. Y. "Flor Fina." (For Cigars.) No. 14,037; Feb. 11; Gaz. vol. 132; p. 1318.
- Schmidt & Co., New York, N. Y. "Extra Fina." (For Cigars.) No. 14,055; Feb. 25; Gaz. vol. 132; p. 1835.
- Schmidt & Co., New York, N. Y. "Shackelford." (For Cigars.) No. 14,100; Mar. 24; Gaz. vol. 133; p. 989.
- Schmidt & Co., New York, N. Y. "Primeros." (For Cigars.) No. 14,136; Apr. 14; Gaz. vol. 133; p. 1677.
- Schmidt & Co., New York, N. Y. "Star Union." (For Cigars.) No. 14,151; Apr. 21; Gaz. vol. 133; p. 1933.
- Schmidt & Co., New York, N. Y. "Star Five." (For Cigars.) No. 14,164; Apr. 28; Gaz. vol. 133; p. 2178.
- Schmidt & Co., New York, N. Y. "Suzanne." (For Cigars.) No. 14,165; Apr. 28; Gaz. vol. 133; p. 2178.
- Schmidt & Co., New York, N. Y. "Noble Roman." (For Cigars.) No. 14,232; June 9; Gaz. vol. 134; p. 1560.
- Schmidt & Co., New York, N. Y. "Sir Philip." (For Cigars.) No. 14,233; June 9; Gaz. vol. 134; p. 1560.
- Schmidt & Co., New York, N. Y. "Old Q." (For Cigars.) No. 14,234; June 9; Gaz. vol. 134; p. 1560.
- Schmidt & Co., New York, N. Y. "The Quality Cigar." (For Cigars.) No. 14,288; July 21; Gaz. vol. 135; p. 660.
- Schmidt & Co., New York, N. Y. "Medallion." (For Cigars.) No. 14,289; July 21; Gaz. vol. 135; p. 660.
- Schmidt & Co., New York, N. Y. "Loredano." (For Cigars.) No. 14,290; July 21; Gaz. vol. 135; p. 660.
- Schmidt & Co., New York, N. Y. "Van Ryn." (For Cigars.) No. 14,291; July 21; Gaz. vol. 135; p. 660.
- Schmidt & Co., New York, N. Y. "Jan Six." (For Cigars.) No. 14,292; July 21; Gaz. vol. 135; p. 660.
- Schmidt & Co., New York, N. Y. "Lavengro." (For Cigars.) No. 14,293; July 21; Gaz. vol. 135; p. 660.
- Schmidt & Co., New York, N. Y. "The Choice Grade Cigars." (For Cigars.) No. 14,296; July 28; Gaz. vol. 135; p. 892.
- Schmidt & Co., New York, N. Y. "Captain Burton." (For Cigars.) No. 14,320; Aug. 25; Gaz. vol. 135; p. 1800.
- Schmidt & Co., New York, N. Y. "Hand Made." (For Cigars.) No. 14,321; Aug. 25; Gaz. vol. 135; p. 1800.
- Schmidt & Co., New York, N. Y. "Tobacos Finos." (For Cigars.) No. 14,333; Sept. 1; Gaz. vol. 136; p. 223.
- Schmidt & Co., New York, N. Y. "Universo." (For Cigars.) No. 14,362; Sept. 22; Gaz. vol. 136; p. 845.
- Schmidt & Co., New York, N. Y. "B. & R." (For Cigars.) No. 14,494; Nov. 17; Gaz. vol. 137; p. 730.
- Schmidt & Co., New York, N. Y. "Red Wing." (For Cigars.) No. 14,495; Nov. 17; Gaz. vol. 137; p. 730.
- Schmidt & Co., New York, N. Y. "El Edo." (For Cigars.) No. 14,481; Nov. 10; Gaz. vol. 137; p. 472.
- Schmidt & Co., New York, N. Y. "Govanas." (For Cigars.) No. 14,482; Nov. 10; Gaz. vol. 137; p. 472.
- Schmidt & Co., New York, N. Y. "Compliments of the Season." (For Cigars.) No. 14,515; Dec. 1; Gaz. vol. 137; p. 1235.
- Schmidt & Co., New York, N. Y. "Crown Pearls." (For Cigars.) No. 14,516; Dec. 1; Gaz. vol. 137; p. 1235.
- Schmidt & Co., New York, N. Y. "La Modesta." (For Cigars.) No. 14,517; Dec. 1; Gaz. vol. 137; p. 1235.
- Schmidt & Co., New York, N. Y. "Protecto." (For Cigars.) No. 14,518; Dec. 1; Gaz. vol. 137; p. 1235.
- Schmidt & Co., New York, N. Y. "Primacia." (For Cigars.) No. 14,519; Dec. 1; Gaz. vol. 137; p. 1235.
- Schmidt & Co., New York, N. Y. "Royal Turban." (For Cigars.) No. 14,534; Dec. 8; Gaz. vol. 137; p. 1480.
- Schmidt, G. A., Chicago, Ill. "The Key to Your Success." (For a Skin-Cultivator and Germ-Eradicator.) No. 14,417; Oct. 20; Gaz. vol. 136; p. 1766.
- Schmidt Lithograph Co., San Francisco, Cal. "Sea Rose." (For Canned Salmon.) No. 14,268; June 30; Gaz. vol. 134; p. 2242.
- Schoham, B., New York, N. Y. "Mme. Schoham's Hair Restorer." (For a Medicinal Preparation.) No. 14,451; Nov. 3; Gaz. vol. 137; p. 226.
- Schuler-Sixes Baking Co., Chicago, Ill. "College Bread." (For Bread.) No. 14,168; Apr. 28; Gaz. vol. 133; p. 2178.
- Schuler-Sixes Baking Co., Chicago, Ill. "Spud." (For Bread.) No. 14,169; Apr. 28; Gaz. vol. 133; p. 2178.
- Schulman & Co., L., New York, N. Y. "Candy & Jewelry." (For Confectionery.) No. 13,970; Jan. 7; Gaz. vol. 132; p. 229.
- Schwarzenbach Brewing Co., Galeton, Pa. "Proxy." (For a Non-Intoxicating Beverage Made from Malt and Hops.) No. 14,363; Sept. 22; Gaz. vol. 136; p. 845.
- Schweitzer, C., Crawfordville, Ind. "Gypsy Queen." (For Cigars.) No. 14,020; Feb. 4; Gaz. vol. 132; p. 1070.
- Scott, W. H., Chicago, Ill. "Scott's Special." (For Cotton Outer Garments, Including Overalls and Coats.) No. 14,134; Apr. 7; Gaz. vol. 133; p. 1432.
- Seeman Brothers, New York, N. Y. "Don Grando." (For Cigars.) No. 14,262; June 30; Gaz. vol. 134; p. 2242.
- Shawaker & Lloyd, Columbus, Ohio. "Royal Sherbet." (For a Non-Intoxicating Drink.) No. 14,116; Mar. 31; Gaz. vol. 133; p. 1185.
- Sheehy, P. G., Watsonville, Cal. "Golden Rule Brand." (For Apples.) No. 14,576; Dec. 29; Gaz. vol. 137; p. 2217.
- Shelton, W. F., Harriman, Tenn. "Shelton's Laxative Hoarhound Syrup Compound." (For a Medicine for Coughs and Colds.) No. 14,119; Mar. 31; Gaz. vol. 133; p. 1185.
- Sherman-Cosner Mercantile Co., Trinidad, Colo. "Anco." (For Coffee.) No. 13,972; Jan. 7; Gaz. vol. 132; p. 229.
- Short, F. T., Chicago, Ill. "Gold Medal Bread." (For Bread.) No. 14,415; Oct. 20; Gaz. vol. 136; p. 1766.
- Short, F. T., Chicago, Ill. "Ceresota Bread." (For Bread.) No. 14,565; Dec. 22; Gaz. vol. 137; p. 1937.
- Short, F. T., Chicago, Ill. "Best X X X Bread." (For Bread.) No. 14,566; Dec. 22; Gaz. vol. 137; p. 1937.
- Short, F. T., Chicago, Ill. "Marvel Bread." (For Bread.) No. 14,567; Dec. 22; Gaz. vol. 137; p. 1937.
- Shurtleff, S. A., Boston, Mass. "Jumbo Brand." (For Salted Peanuts.) No. 14,158; Apr. 21; Gaz. vol. 133; p. 1933.
- Smith, A. T., Salt Lake City, Utah. "New Yankee Cleanser." (For a Cleanser.) No. 14,121; Mar. 31; Gaz. vol. 133; p. 1185.
- Smith Bros. Co. Ltd., New Orleans, La. "S. B." (For Cigars.) No. 14,483; Nov. 10; Gaz. vol. 137; p. 472.
- Smith Bros. Hardware Company, Oakland, Cal. "Brilliantine Metal Polish." (For Metal-Polish.) No. 14,420; Oct. 20; Gaz. vol. 136; p. 1766.
- Smith, J. C., Columbus, Ohio. "A Little Rye." (For Whisky.) No. 14,089; Mar. 17; Gaz. vol. 133; p. 760.
- Smith Lithographing Co., Toledo, Ohio. "Huebner's Tru-Bru." (For a Non-Alcoholic Beverage.) No. 14,564; Dec. 22; Gaz. vol. 137; p. 1937.
- Smith, R. C., Brooklyn, N. Y. "Mme. Helene's Golden Hair Tonic." (For Hair-Tonic.) No. 14,473; Nov. 3; Gaz. vol. 137; p. 226.
- Sniffen, J. F., Columbus, Ohio. "A Little Bourbon." (For a Straight Bourbon Whisky.) No. 14,317; Aug. 18; Gaz. vol. 135; p. 1580.
- Snow, W. L., New York, N. Y. "I-Tone." (For Antiseptic Eye-Drops.) No. 14,528; Dec. 1; Gaz. vol. 137; p. 1235.
- Sommer, A., Cambridge, Mass. "Artgum, The Dry Cleaner and Massager." (For a Cleaning Composition.) Nos. 14,073-4; Mar. 3; Gaz. vol. 133; p. 227.
- Sommer, A., Cambridge, Mass. "School Artgum." (For a Cleaning Composition.) No. 14,338; Sept. 1; Gaz. vol. 136; p. 223.
- Sommer, A., Cambridge, Mass. "Artgum." (For a Dry Cleaner and Massager.) No. 14,347; Sept. 8; Gaz. vol. 136; p. 435.
- Sommer & Company, C. H., Milwaukee, Wis. "Lebensgold." (For a Non-Alcoholic Beverage.) No. 14,114; Apr. 14; Gaz. vol. 133; p. 1677.
- Standard Drug & Chemical Co., Philadelphia, Pa. "Peptonol." (For Extract of Cod-Liver Oil.) No. 13,973; Jan. 7; Gaz. vol. 132; p. 229.
- Standard Soluble Sulphur Company, New York, N. Y. "Standard Soluble Sulphur Compound." (For a Soluble Sulfur Compound.) No. 13,979; Jan. 7; Gaz. vol. 132; p. 229.
- States Chewing Gum Company, Dallas, Tex. "Sweetheart." (For Chewing-Gum.) No. 14,391; Oct. 6; Gaz. vol. 136; p. 1295.
- Steinmeier, W., Grand Island, Nebr. "Karma." (For Cigars.) No. 14,048; Feb. 18; Gaz. vol. 132; p. 1584.
- Sterling Pin Co., Derby, Conn. "Tourist Invisible Fastener." (For Invisible Fasteners for Ladies' Skirts.) No. 14,555; Dec. 15; Gaz. vol. 137; p. 1708.
- Stoecker, G., New York, N. Y. "Ever Bright Metal Polish." (For a Metal-Polish.) No. 14,251; June 16; Gaz. vol. 134; p. 1801.
- Stout, C. H., Belding, Mich. "Derby." (For Cigars.) No. 14,212; May 26; Gaz. vol. 134; p. 1048.
- Strachan Fruit Company, Riverside, Cal. "Golden Rule Brand." (For Cantaloups.) No. 14,220; May 26; Gaz. vol. 134; p. 1048.
- Strachan Fruit Company, Riverside, Cal. "Gold Seal." (For Cantaloups.) No. 14,221; May 26; Gaz. vol. 134; p. 1048.
- Strachan Fruit Company, Riverside, Cal. "Golden Gem Brand." (For Cantaloups.) No. 14,222; May 26; Gaz. vol. 134; p. 1048.
- Strate-Fold Manufacturing Co., New York, N. Y. "Night," "Morning," "Day." (For Ladies' Hair-Wavers.) No. 14,406; Oct. 13; Gaz. vol. 136; p. 1530.
- Stryker, E., Binghamton, N. Y. "San-Vita Indian Remedy." (For a Medicinal Compound or Proprietary Medicine which is a Remedy for Nervous Affections, Nervous Diseases, and Nervous Prostration and for St. Vitus's Dance.) No. 14,238; June 9; Gaz. vol. 134; p. 1560.
- Superior Portland Cement Company, Superior, Ohio, and Charleston, W. Va. "Superior Portland Cement." (For Cement.) No. 14,068; Feb. 25; Gaz. vol. 132; p. 1835.
- Tennessee Coffee Company, Nashville, Tenn. "Traveler." (For Roasted Coffee.) No. 14,547; Dec. 15; Gaz. vol. 137; p. 1708.
- Titus, L. G., Columbus, Ohio. "Keepdury." (For Rain-Coats.) No. 14,340; Sept. 1; Gaz. vol. 136; p. 223.
- Themelis Bros., Tampa, Fla. "Ali Pasha." (For Cigarettes.) No. 14,000; Jan. 21; Gaz. vol. 132; p. 676.
- Themelis Bros., Tampa, Fla. "Sultana." (For Cigarettes.) No. 14,001; Jan. 21; Gaz. vol. 132; p. 676.
- Themelis Bros., Tampa, Fla. "Atlas." (For Cigarettes.) No. 14,002; Jan. 21; Gaz. vol. 132; p. 676.
- Thomas, J. P., New York, N. Y. "Stafolive." (For Uncooked Wheat Bread.) No. 14,176; May 5; Gaz. vol. 134; p. 254.
- Thomas, Josie C., Tanndale, Ark. "Robertson's Salve." (For a Salve.) No. 14,250; June 16; Gaz. vol. 134; p. 1801.

Alphabetical list of registrants of labels—Continued.

- Towle Maple Syrup Company, St. Paul, Minn. "Towle's Circus Brand." (For Syrup.) No. 14,079; Mar. 10; Gaz. vol. 133; p. 511.
 Towle Maple Syrup Company, St. Paul, Minn. "Towle's Circus Brand." (For Molasses.) No. 14,092; Mar. 17; Gaz. vol. 133; p. 760.
 Trigg, Dr. F. M., East St. Louis, Ill. "Trigg's Hand Wash." (For a Hand and Face Lotion.) No. 14,027; Feb. 4; Gaz. vol. 132; p. 1070.
 Tucker & Co., F. H., Providence, R. I. "The Original Bermuda Milk Punch." (For a Milk-Punch.) No. 14,106; Mar. 24; Gaz. vol. 133; p. 989.
 United Vending Company, Cleveland, Ohio. "Cross Brand Matches." (For Matches.) No. 14,508; Nov. 17; Gaz. vol. 137; p. 730.
 Valdes, A., Chicago, Ill. "Gen. Hazen." (For Cigars.) No. 14,395; Oct. 13; Gaz. vol. 136; p. 1530.
 Veader, J. C., Missoula, Mont. "Indian Tonic Bitters." (For a Medical Compound.) No. 14,016; Jan. 28; Gaz. vol. 132; p. 840.
 Vogelmann, H., St. Joseph, Mo. "Manhattan." (For Bread.) No. 14,523; Dec. 1; Gaz. vol. 137; p. 1235.
 Voigt Cereal Food Co., Ltd., Grand Rapids, Mich. "Voigt Toasted Wheat Flakes." (For a Cereal Food.) No. 14,191; May 12; Gaz. vol. 134; p. 512.
 Wagner's Sons, W. T., Cincinnati, Ohio. "Wagner's Artificial Lithia." (For an Artificial Mineral Water.) No. 13,996; Jan. 14; Gaz. vol. 132; p. 465.
 Wales, Dr. Wm. R., Denver, Colo. "Magic Twins Inky Racers." (For Liquid Ink-Erasure.) No. 14,208; May 19; Gaz. vol. 134; p. 773.
 Walter M. Lowney Co., Boston, Mass. "Lowney's Nugatines." (For Nugatines.) No. 14,265; June 30; Gaz. vol. 134; p. 2242.
 Walter M. Lowney Co., Boston, Mass. "Lowney's Milk Chocolate Creams." (For Milk-Chocolate Creams.) No. 14,267; June 30; Gaz. vol. 134; p. 2242.
 Wandstrat, J., Cincinnati, Ohio. "Raven Rock Straight Bourbon Whiskey." (For Straight Bourbon Whisky.) No. 14,334; Sept. 1; Gaz. vol. 136; p. 223.
 Wandstrat, J., Cincinnati, Ohio. "Wall Street Bourbon Whiskey." (For Straight Bourbon Whisky.) No. 14,335; Sept. 1; Gaz. vol. 136; p. 223.
 Waska, J. F., Chicago, Ill. "Merry Widow." (For Cigars.) No. 14,297; July 28; Gaz. vol. 135; p. 892.
 Wankesha Imperial Springs Co., Milwaukee, Wis. "Fox Head." (For Ginger-Ale.) No. 14,497; Nov. 17; Gaz. vol. 137; p. 730.
 Webb-Freyschlag Merc. Co., Kansas City, Mo. "No-Dust." (For a Compound to be Used for the Purpose of Allaying Dust When Sweeping Floors.) No. 14,421; Oct. 20; Gaz. vol. 136; p. 1766.
 Weber, C. F., Mount Vernon, N. Y. "The Weber Cocktails." (For a Beverage Commonly Known as Cocktails.) No. 14,412; Oct. 20; Gaz. vol. 136; p. 1766.
 Wedehase, F., Sebastopol, Cal. "Fig Bread." (For Fig-Bread.) No. 14,093; Mar. 17; Gaz. vol. 133; p. 760.
 Weinstein, A., New York, N. Y. "Mother Jones Bug Poison." (For a Disinfectant.) No. 14,131; Apr. 7; Gaz. vol. 133; p. 1432.
 Western Brewery Company, Belleville, Ill. "Stag Bottled Beer." (For Beer.) No. 14,076; Mar. 10; Gaz. vol. 133; p. 511.
 Whitney Chemical Co., New York, N. Y. "Cellulose Soap." (For Soap.) No. 14,193; May 12; Gaz. vol. 134; p. 512.
 Whittle Springs Co., near Knoxville, Knox county, Tenn. "Whittle Epsom Lithia." (For Mineral-Water Beverages.) No. 14,038; Feb. 11; Gaz. vol. 132; p. 1318.
 Wilkes Barre Knitting Mills Company, Wilkes-Barre, Pa. "Health Hose." (For Hosiery.) No. 14,358; Sept. 15; Gaz. vol. 136; p. 656.
 Wilkins, G. B., Nashua, N. H. "Polly's Imported Furniture Cream." (For a Dressing for Furniture, Leather, or Metals.) No. 14,181; May 5; Gaz. vol. 134; p. 254.
 Wilkowski Bros., Watertown, Wis. "Hattie Hall." (For Cigars.) No. 14,254; June 23; Gaz. vol. 134; p. 2026.
 Willamette Valley Condensed Milk Co., Portland and McMinnville, Oreg. "Buttercup Brand." (For Sterilized Unsweetened Condensed Milk.) No. 14,366; Sept. 22; Gaz. vol. 136; p. 845.
 William Frym, Gesellschaft mit beschränkter Haftung, Stolberg, Germany. "Sonomor." (For Placket-Fasteners.) No. 14,211; May 19; Gaz. vol. 134; p. 773.
 William Frym, Gesellschaft mit beschränkter Haftung, Stolberg, Germany. "See its Spring." (For Dress-Fasteners.) No. 14,271; June 30; Gaz. vol. 134; p. 2242.
 Wilmanns Bros. Co., Milwaukee, Wis. "Majestic." (For Beer.) No. 14,166; Apr. 28; Gaz. vol. 133; p. 2178.
 Wilmanns Bros. Co., Milwaukee, Wis. "High Grade." (For Beer.) No. 14,546; Dec. 15; Gaz. vol. 137; p. 1708.
 Withers, T. P., Monett, Mo. "Medicated Napthaline Remedies." (For Medicines.) No. 14,171; Apr. 28; Gaz. vol. 133; p. 2178.
 Wm. A. Stickney Cigar Company, St. Louis, Mo. "Town and Country, Real Turkish Cigarettes." (For Cigarettes.) No. 14,101; Mar. 24; Gaz. vol. 133; p. 989.
 Wm. Strauss Co., Milwaukee, Wis. "Sober Up." (For a Liquid Preparation, Consisting of a Combination of Drugs, Used for the Purpose of Overcoming the Effect of Too Much Intoxicating Liquors.) No. 13,976; Jan. 7; Gaz. vol. 132; p. 229.
 Woolley Salve Company, Lancaster, Pa. "Woolley Salve." (For Salve.) No. 14,096; Mar. 17; Gaz. vol. 133; p. 760.
 Woolson Spice Company, Toledo, Ohio. "Cottage." (For Coffee.) No. 14,275; July 7; Gaz. vol. 135; p. 216.
 Yeager, J. R., Sewal, Iowa. "Yeager's Mite Killer." (For a Remedy for Mites and Roup.) No. 14,551; Dec. 15; Gaz. vol. 137; p. 1780.
 Yo-Yo Co., Boston and South Sunbury, Mass. "Yo-Yo." (For a Medicinal Beverage.) No. 14,223; May 26; Gaz. vol. 134; p. 1048.
 Yokum, R. L., Pierre, S. D. "Bob Yokum's Buffalo Whiskey." (For Straight Whisky.) No. 14,283; July 14; Gaz. vol. 135; p. 448.
 Yokum, R. L., Pierre, S. D. "Bob Yokum's Buffalo Whiskey." (For Blended Whisky.) No. 14,284; July 14; Gaz. vol. 135; p. 448.
 Yosemite Mineral Water Company, Los Angeles, Cal. "Yosemite Royal Flush Aperient Water." (For an Aperient Water.) No. 13,975; Jan. 7; Gaz. vol. 132; p. 229.
 Yosemite Mineral Water Company, Los Angeles, Cal. "Yosemite Medicinal Crystals." (For Medicine.) No. 13,998; Jan. 14; Gaz. vol. 132; p. 465.
 Young, L. H., Oceanpark, Cal. "Poinsettia Creamery." (For Butter.) No. 14,156; Apr. 21; Gaz. vol. 133; p. 1933.
 Young, Smyth, Field Company, Philadelphia, Pa. "Quaker Maid Stockings." (For Hosiery.) No. 14,510; Nov. 17; Gaz. vol. 137; p. 730.

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- A. C. Becken Company, Chicago, Ill. "Watch Glass Order Sheet." (For Watch-Crystals.) No. 2,369; Oct. 27; Gaz. vol. 136; p. 1998.
- A. G. Hyde & Sons, New York, N. Y. "By the yard or buy the garment." (For Linings.) No. 2,207; Jan. 28; Gaz. vol. 132; p. 840.
- A. P. McGraw Corset Co., McGraw, N. Y. "McGraw's Corsets." (For Corsets.) No. 2,221; Feb. 18; Gaz. vol. 132; p. 1584.
- Abram Cox Stove Co., Philadelphia, Pa. "Novelty." (For Ranges and Stoves.) No. 2,408; Dec. 29; Gaz. vol. 137; p. 2217.
- Alexander Bros., Philadelphia, Pa. "The Alexander Belt." (For Belting.) No. 2,379; Nov. 10; Gaz. vol. 137; p. 472.
- Altenberg, G. P., Cincinnati, Ohio. "The Contrast." (For Bottles Insulated for Resisting Change of Temperature of Contents.) No. 2,378; Nov. 10; Gaz. vol. 137; p. 472.
- American Lady Corset Co., Detroit, Mich. "The American Lady." (For Corsets.) No. 2,384; Nov. 17; Gaz. vol. 137; p. 730.
- American Printing Company, Fall River, Mass. "Fashions for 1908." (For Wash Fabrics.) No. 2,236; Mar. 10; Gaz. vol. 133; p. 511.
- Artesian Mfg. & Bottling Co., Waco, Tex. "Uncle-Sam." (For a Beverage.) No. 2,300; June 23; Gaz. vol. 134; p. 2026.
- Atlantic City Candy Company, (Incorporated,) Atlantic City, N. J. "Purekind Salt Water Taffy." (For Salt-Water Taffy.) No. 2,390; Nov. 24; Gaz. vol. 137; p. 976.
- Auto Strop Safety Razor Co., New York, N. Y. "Santa Claus." (For Safety-Razors.) No. 2,401; Dec. 22; Gaz. vol. 137; p. 1937.
- B. V. D. Company, New York, N. Y. "B. V. D. Loose Fitting Sleeping Suit." (For Men's Sleeping-Garments.) No. 2,360; Oct. 13; Gaz. vol. 136; p. 1530.
- Banks, C. B. E., New York, N. Y. "Two Soles With But a Single Heart, The Heart of Oak." (For Shoes.) No. 2,344; Sept. 15; Gaz. vol. 136; p. 658.
- Beach-Clarridge Corporation, Boston, Mass. "Stolen Sweets." (For Maraschino Cherries and Glacé Cherries.) No. 2,219; Feb. 18; Gaz. vol. 132; p. 1584.
- Becker, Mayer & Co., Chicago, Ill. "Male Apparel." (For Male Apparel.) No. 2,270; May 5; Gaz. vol. 134; p. 254.
- Bell Tailors of New York, New York, N. Y. "The Bell Tailors of New York." (For Clothing.) No. 2,257; Apr. 7; Gaz. vol. 133; p. 1432.
- Best & Co., New York, N. Y. "'Best' Damp Proof Shoes." (For Shoes.) No. 2,218; Feb. 11; Gaz. vol. 132; p. 1318.
- Blodgett & Orswell Co., Pawtucket, R. I. "John J. Clark's 6 Cord Spool Cotton." (For Spool-Cotton.) No. 2,365; Oct. 20; Gaz. vol. 136; p. 1766.
- Blue Grass Stock Remedy Co., Lexington, Ky. "Blue Grass Poultry Remedy." (For a Poultry Remedy.) No. 2,296; June 16; Gaz. vol. 134; p. 1801.
- Blue Grass Stock Remedy Co., Lexington, Ky. "Blue Grass Hog Remedy." (For a Hog Remedy.) No. 2,297; June 16; Gaz. vol. 134; p. 1801.
- Bon Ami Company, Jersey City, N. J., and New York, N. Y. "Never Will Scratch." (For a Scouring-Soap.) Nos. 2,320-1; July 14; Gaz. vol. 135; p. 448.
- Both, W. C., Chicago, Ill. "Mens Apparel." (For Men's Apparel.) No. 2,190; Jan. 7; Gaz. vol. 132; p. 229.
- Both, W. C., Chicago, Ill. "Mens Apparel." (For Men's Apparel.) No. 2,233; Mar. 3; Gaz. vol. 133; p. 227.
- C. Kenyon Co., Brooklyn, N. Y. "How Dry I Am." (For Rain-Coats.) No. 2,263; Apr. 21; Gaz. vol. 133; p. 1933.
- Clarke Sales Company, New York, N. Y. "Plako." (For a Dress-Fastener.) No. 2,267; Apr. 28; Gaz. vol. 133; p. 2178.
- Clay Coal Company, Toledo, Ohio. "Bradley White Ash Coal." (For Coal.) No. 2,318; June 30; Gaz. vol. 134; p. 2242.
- Colgate & Co., New York, N. Y. "Colgate's Collapsible Tube for Toilet Creams & Pastes." (For Toilet Creams and Pastes.) Nos. 2,212-14; Feb. 11; Gaz. vol. 132; p. 1318.
- Columbia Leather Goods Mfg. Co., New York, N. Y. "Beltfast." (For Men's Belts.) No. 2,282; June 2; Gaz. vol. 134; p. 1296.
- Columbia Phonograph Co. Genl., New York, N. Y. "Columbia Records." (For Sound-Records.) No. 2,259; Apr. 14; Gaz. vol. 133; p. 1677.
- Columbus Citizens Telephone Company, Columbus, Ohio. "Your Neighbors and Their Neighbors Town and City Within Your Call." (For Telephones.) No. 2,201; Jan. 14; Gaz. vol. 132; p. 465.
- Commercial Art Engraving Co., Chicago, Ill. "Fraser's Butt-Pad." (For a Butt-Pad.) No. 2,373; Nov. 3; Gaz. vol. 137; p. 226.
- Commercial Art Engraving Co., Chicago, Ill. "The Comptometer." (For Adding-Machines.) No. 2,402; Dec. 22; Gaz. vol. 137; p. 1937.
- Cooper, F. J., San Francisco, Cal. "The Lucky Key." (For Bottled Beer.) No. 2,347; Sept. 22; Gaz. vol. 136; p. 845.
- Coy, Hunt & Co., New York, N. Y. "Bull Dog Kraft Paper." (For Paper.) No. 2,406; Dec. 29; Gaz. vol. 137; p. 2217.
- Cream of Wheat Co., Minneapolis, Minn. "Lest We Forget." (For a Breakfast Food.) No. 2,277; May 19; Gaz. vol. 134; p. 773.
- Cream of Wheat Co., Minneapolis, Minn. "The Pirate." (For a Wheat Breakfast Food.) No. 2,331; Sept. 8; Gaz. vol. 136; p. 435.
- Cream of Wheat Co., Minneapolis, Minn. "He's Your Daddy." (For Wheat Breakfast Food.) No. 2,400; Dec. 22; Gaz. vol. 137; p. 1937.
- Crystal Gelatine Company, Boston, Mass. "The Eternal Question." (For Gelatin.) No. 2,372; Nov. 3; Gaz. vol. 137; p. 226.
- David Adler & Sons Clothing Co., Milwaukee, Wis. "Adler's Spring Fashions for 1908." (For Men's Spring and Summer Apparel.) No. 2,234; Mar. 3; Gaz. vol. 133; p. 227.
- David Adler & Sons Clothing Co., Milwaukee, Wis. "Adler's Latest Spring Apparel for 1908." (For Men's Spring and Summer Apparel.) No. 2,246; Mar. 17; Gaz. vol. 133; p. 760.
- David Adler & Sons Clothing Co., Milwaukee, Wis. "An Adler Spring Top Coat." (For Men's Spring Apparel for 1908.) No. 2,258; Apr. 7; Gaz. vol. 133; p. 1432.
- David Adler & Sons Clothing Co., Milwaukee, Wis. "The Clothes for Fall 1908." (For Men's Fall Apparel.) No. 2,350; Sept. 22; Gaz. vol. 136; p. 845.
- Dr. A. C. Daniels (Inc.), Boston, Mass. "Horse Medicines." (For Horse and Dog Remedies.) No. 2,285; June 2; Gaz. vol. 134; p. 1296.
- Eclipse Clothing Co., New York, N. Y. "The 'Yankee Prince'." (For Men's Suits of Clothes.) No. 2,327; Aug. 25; Gaz. vol. 135; p. 1800.
- Ed. V. Price & Co., Chicago, Ill. "Our Superintendent." (For Men's and Boys' Coats, Vests, and Trousers.) No. 2,197; Jan. 14; Gaz. vol. 132; p. 465.
- Ed. V. Price & Co., Chicago, Ill. "Fashionable Coat Sleeves Spring and Summer 1908." (For Men's and Boys' Coats, Vests, and Trousers.) No. 2,198; Jan. 14; Gaz. vol. 132; p. 465.
- Ed. V. Price & Co., Chicago, Ill. "Our 'Schoolmaster' Series No. 5." (For Men's and Boys' Coats, Vests, and Trousers.) No. 2,226; Feb. 25; Gaz. vol. 132; p. 1835.
- Ed. V. Price & Co., Chicago, Ill. "Our 'Schoolmaster' Series No. 6." (For Men's and Boys' Coats, Vests, and Trousers.) No. 2,227; Feb. 25; Gaz. vol. 132; p. 1835.
- Ed. V. Price & Co., Chicago, Ill. "Our 'Schoolmaster' Series No. 7." (For Men's and Boys' Coats, Vests, and Trousers.) No. 2,228; Feb. 25; Gaz. vol. 132; p. 1835.
- Ed. V. Price & Co., Chicago, Ill. "Our 'Schoolmaster' Series No. 8." (For Men's and Boys' Coats, Vests, and Trousers.) No. 2,229; Feb. 25; Gaz. vol. 132; p. 1835.
- Ed. V. Price & Co., Chicago, Ill. "Our Cutter." (For Men's and Boys' Coats, Vests, and Trousers.) No. 2,230; Feb. 25; Gaz. vol. 132; p. 1835.
- Ed. V. Price & Co., Chicago, Ill. "Full Dress Tailor." (For Men's and Boys' Coats, Vests, and Trousers.) No. 2,407; Dec. 29; Gaz. vol. 137; p. 2217.
- Edward & John Burke Ltd., New York, N. Y. "Burke's Bottled Guinness Stout." (For Stout.) No. 2,392; Dec. 1; Gaz. vol. 137; p. 1235.
- Edwin B. Stimpson Company, New York, N. Y. "Rivets, Washers and Sheet Metal Specialties." (For Rivets, Washers, Eyelets, and Metal Specialties.) No. 2,209; Feb. 4; Gaz. vol. 132; p. 1070.
- Edwin B. Stimpson Company, New York, N. Y. "Rivets, Washers, Eyelets and Sheet Metal Specialties." (For Rivets, Washers, Eyelets, and Metal Specialties.) No. 2,271; May 5; Gaz. vol. 134; p. 254.
- Erlanger Brothers, New York, N. Y. "Loose Fitting Sleeping Suit." (For Men's Sleeping-Garments.) No. 2,222; Feb. 18; Gaz. vol. 132; p. 1584.
- Erlanger Brothers, New York, N. Y. "B. V. D. Loose Fitting Union Suit." (For Men's Underwear.) Nos. 2,242-5; Mar. 17; Gaz. vol. 133; p. 760.
- Erlanger Brothers, New York, N. Y. "B. V. D. Coat Cut Undershirts and Knee Length Drawers." (For Men's Underwear.) No. 2,249; Mar. 31; Gaz. vol. 133; p. 1185.
- Erlanger Bros., New York, N. Y. "Group Drawing B. V. D. Productions." (For Men's Underwear.) No. 2,268; Apr. 28; Gaz. vol. 133; p. 2178.
- F. Mohr & Co., New York, N. Y. "The Signet of Furniture Quality." (For Furniture.) No. 2,403; Dec. 22; Gaz. vol. 137; p. 1937.

Alphabetical list of registrants of prints—Continued.

- F. A. Poth & Sons, Inc., Philadelphia, Pa. "Poth's Extra." (For Beer.) No. 2,324; Aug. 25; Gaz. vol. 135; p. 1800.
- Federal Lithograph Company, New York, N. Y. "Gillette Safety Razor." (For Safety-Razors.) Nos. 2,273-5; May 12; Gaz. vol. 134; p. 512.
- Ferry & Co., D. M., Detroit, Mich. "Standard Seeds." (For Seeds.) No. 2,393; Dec. 1; Gaz. vol. 137; p. 1235.
- Fischer, M., Cincinnati, Ohio. "Holtite." (For a Pocket-Clasp.) No. 2,241; Mar. 17; Gaz. vol. 133; p. 760.
- Fithian, F. L., Haddonfield, N. J. "Combo Comic-Nature Pakes." (For Comic Cards.) No. 2,189; Jan. 7; Gaz. vol. 132; p. 229.
- Florence Manufacturing Co., Florence, Mass. "Pro-phy-lac-tic." (For Tooth-Brushes.) No. 2,247; Mar. 31; Gaz. vol. 133; p. 1185.
- Folger, S. L., New York, N. Y. "Class Pin Page Number Three." (For Class-Pins.) No. 2,312; June 30; Gaz. vol. 134; p. 2242.
- Fulleborn, P., Philadelphia, Pa. "Parisian Tree Cake Known in Germany as 'Baumkuchen.'" (For Tree-Cakes.) No. 2,211; Feb. 11; Gaz. vol. 132; p. 1318.
- Galveston Brewing Co., Galveston, Tex. "High Grade." (For Beer.) No. 2,276; May 19; Gaz. vol. 134; p. 773.
- Garson Meyer & Co., Rochester, N. Y. "Spring and Summer Styles 1908." (For Clothing.) No. 2,250; Mar. 31; Gaz. vol. 133; p. 1185.
- Geo. Worthington Company, Cleveland, Ohio. "Worthington's Ben-Hur Good Strong Blanket." (For Blankets.) No. 2,396; Dec. 8; Gaz. vol. 137; p. 1480.
- Giovanna, G., New York, N. Y. "French Rôtisserie." (For a Meat-Broiling Apparatus.) No. 2,302; June 23; Gaz. vol. 134; p. 2026.
- Goldberg, S. & S., New York, N. Y. "The Godiva." (For Ladies' Riding Habits and Skirts.) No. 2,361; Oct. 13; Gaz. vol. 136; p. 1530.
- Gordon & Pagel Bread Co., Detroit, Mich. "Merry Widow." (For Bread.) No. 2,301; June 23; Gaz. vol. 134; p. 2026.
- Guggenheim Company, Cleveland, Ohio. "The hands can do the trick and turn one cuff into two." (For Ladies' Shirt-Waists.) No. 2,326; Aug. 25; Gaz. vol. 135; p. 1800.
- Gunning System, Chicago, Ill. "The Dawson Taste." (For Straight Scotch Whisky.) No. 2,346; Sept. 22; Gaz. vol. 136; p. 845.
- H. D. Foss & Co., Boston, Mass. "Miss Quality." (For Chocolate Candies.) No. 2,191; Jan. 14; Gaz. vol. 132; p. 465.
- H. P. Hood & Sons, Boston, Mass. "Hood's Buttermilk." (For Buttermilk.) No. 2,395; Dec. 8; Gaz. vol. 137; p. 1480.
- Hall-Taylor Co., Milwaukee, Wis. "Turn failure into victory, Don't let your courage fade, And if you get a lemon, Just make the lemon-aid." (For Lemonade.) No. 2,377; Nov. 10; Gaz. vol. 137; p. 472.
- Hayes Lithographing Co., Buffalo, N. Y. "The Moon and I." (For Beer.) No. 2,299; June 23; Gaz. vol. 134; p. 2026.
- Hayes Lithographing Co., Buffalo, N. Y. "Milwaukee Harvesting-Machines." (For Harvesting-Machines.) No. 2,375; Nov. 3; Gaz. vol. 137; p. 226.
- Haves Lithographing Co., Buffalo, N. Y. "Champion Harvesting Machines." (For Harvesting-Machines.) No. 2,404; Dec. 22; Gaz. vol. 137; p. 1937.
- Henseler, A. J., Peoria, Ill. "A Better Drink Never Came Out of a Bottle." (For Straight Bourbon Whisky.) No. 2,405; Dec. 29; Gaz. vol. 137; p. 2217.
- Herrick's Malted Milk Company, Mount Pleasant and Racine, Wis. "My Favorite Food Drink." (For Malted Milk.) No. 2,239; Mar. 17; Gaz. vol. 133; p. 740.
- Huyler's, New York, N. Y. "Made to Eat—Not to Keep." (For Candy.) No. 2,371; Nov. 3; Gaz. vol. 137; p. 226.
- Huyler's, New York, N. Y. "The Girl Question is Easily Solved." (For Candy.) No. 2,388; Nov. 24; Gaz. vol. 137; p. 976.
- Huyler's, New York, N. Y. "Made to Eat and Not to Keep." (For Candies.) No. 2,389; Nov. 24; Gaz. vol. 137; p. 976.
- Illinois Sewing Machine Company, Chicago, Ill. "The Free" Sewing-Machine." (For Sewing-Machines.) No. 2,398; Dec. 15; Gaz. vol. 137; p. 1708.
- Independent Whip Company, Westfield, Mass. "Three Horse Head." (For Whips.) No. 2,314; June 30; Gaz. vol. 134; p. 2242.
- Independent Whip Company, Westfield, Mass. "Calumet." (For Whips.) No. 2,315; June 30; Gaz. vol. 134; p. 2242.
- Independent Whip Company, Westfield, Mass. "Golden Rule." (For Whips.) No. 2,316; June 30; Gaz. vol. 134; p. 2242.
- Independent Whip Company, Westfield, Mass. "King Rawhide." (For Whips.) No. 2,317; June 30; Gaz. vol. 134; p. 2242.
- International Machine Corporation, Richmond, Va. "Automatic-Nickel-in-the-Slot Shoe Shining Machines." (For Shoe-Shining Machines.) No. 2,364; Oct. 13; Gaz. vol. 136; p. 1530.
- J. Tower Co., Boston, Mass. "The Mark of Excellence." (For Waterproof Oiled Clothing.) No. 2,272; May 12; Gaz. vol. 134; p. 512.
- J. A. Bokel Co. of Baltimore City, Baltimore, Md. "Carvel Whiskey." (For a Blend of Straight Rye Whiskies.) No. 2,357; Oct. 13; Gaz. vol. 136; p. 1530.
- Jacobs, H. W., Topeka, Kans. "The Atchison Au Tra Kar." (For a Self-Propelling Car Adapted for Use in Working Upon Tracks of Railroads.) No. 2,238; Mar. 10; Gaz. vol. 133; p. 511.
- James Olwell & Company, New York, N. Y. "All Well." (For Fine Wines and Liquors.) No. 2,366; Oct. 27; Gaz. vol. 136; p. 1998.
- James Olwell & Company, New York, N. Y. "The Winning Whiskey." (For Straight Whisky.) No. 2,376; Nov. 10; Gaz. vol. 137; p. 472.
- James S. Kirk & Co., Chicago, Ill. "Jap Rose Soap (transparent)." (For Soap.) Nos. 2,287-94; June 2; Gaz. vol. 134; p. 1296.
- James Van Dyk Co., New York, N. Y. "Don't Crow." (For Teas and Coffees.) No. 2,351; Sept. 29; Gaz. vol. 136; p. 1066.
- Johnson, E., Cincinnati, Ohio. "Uprite." (For a Shoulder-Brace.) No. 2,248; Mar. 31; Gaz. vol. 133; p. 1185.
- Joplin Overall Company, Joplin, Mo. "Say Boys! Wear Scott's Joplin Special." (For Overalls.) No. 2,295; June 9; Gaz. vol. 134; p. 1560.
- Kalamazoo Stove Co., Kalamazoo, Mich. "A Kalamazoo Direct to You" at Factory Prices, We Pay the Freight." (For Stoves.) No. 2,224; Feb. 18; Gaz. vol. 132; p. 1584.
- Kalamazoo Stove Co., Kalamazoo, Mich. "A Kalamazoo Direct to You." (For Stoves.) No. 2,225; Feb. 18; Gaz. vol. 132; p. 1584.
- Kendall, E. A., Philadelphia, Pa. "The Kendall Hat Protector." (For Hat-Protectors.) No. 2,325; Aug. 25; Gaz. vol. 135; p. 1800.
- Kimball, A. A., Milwaukee, Wis. "The Sign of the 7." (For Shoes.) No. 2,265; Apr. 21; Gaz. vol. 133; p. 1933.
- Kingsley, M., Chicago, Ill. "Seera." (For Astrological and Phenological Charts.) No. 2,356; Oct. 6; Gaz. vol. 136; p. 1295.
- L. Adler, Bros. & Co., Rochester, N. Y. "Men's Apparel." (For Men's Apparel.) No. 2,216; Feb. 11; Gaz. vol. 132; p. 1318.
- Lees & Bro., W. R., Philadelphia, Pa. "Merion Butter." (For Butter.) No. 2,353; Sept. 29; Gaz. vol. 136; p. 1066.
- Lohnes, P. S. (See Maxon and Lohnes.)
- Lytton, H. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) No. 2,199; Jan. 14; Gaz. vol. 132; p. 465.
- Lytton, H. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) No. 2,205; Jan. 21; Gaz. vol. 132; p. 676.
- Lytton, H. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) No. 2,215; Feb. 11; Gaz. vol. 132; p. 1318.
- Lytton, H. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Clothing.) No. 2,223; Feb. 18; Gaz. vol. 132; p. 1584.
- Lytton, H. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) No. 2,237; Mar. 10; Gaz. vol. 133; p. 511.
- Lytton, H. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) Nos. 2,251-2; Mar. 31; Gaz. vol. 133; p. 1185.
- Lytton, H. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) No. 2,261; Apr. 14; Gaz. vol. 133; p. 1677.
- Lytton, H. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) No. 2,269; Apr. 28; Gaz. vol. 133; p. 2178.
- MacIndoe, J. F., Philadelphia, Pa. "School, a New Parlor Game." (For a Game.) No. 2,355; Oct. 6; Gaz. vol. 136; p. 1295.
- Manhattan Office Partition Company, New York, N. Y. "Interchangeable Portable Office Partition." (For Bank and Office Partitions.) No. 2,374; Nov. 3; Gaz. vol. 137; p. 226.
- Marshall Oil Company, Marshalltown, Iowa. "A Burning Test of Kerosene." (For Kerosene-Oil.) No. 2,286; June 2; Gaz. vol. 134; p. 1296.
- Marshall Oil Company, Marshalltown, Iowa. "French Auto Oils." (For Lubricating-Oil.) No. 2,328; Sept. 1; Gaz. vol. 136; p. 223.
- Marshall Oil Company, Marshalltown, Iowa. "French Auto Oils." (For Lubricating-Oil.) No. 2,332; Sept. 8; Gaz. vol. 136; p. 435.
- Massachusetts Engraving Company, Boston, Mass. "O'Sullivan's Heels of New Rubber." (For Rubber Heels.) No. 2,281; May 26; Gaz. vol. 134; p. 1048.
- Massachusetts Engraving Company, Boston, Mass. "O'Sullivan's New Live Rubber Heels." (For Rubber Heels.) No. 2,284; June 2; Gaz. vol. 134; p. 1296.
- Maxon, E. B., and P. S. Lohnes, Leominster, Mass. "The Stacene Cuff Protector." (For Collar and Cuff Protectors.) No. 2,313; June 30; Gaz. vol. 134; p. 2242.
- Maxwell & Berlet Inc., Philadelphia, Pa. "Precious and Semi-Precious Stones and Where Found." (For Precious and Semiprecious Stones.) No. 2,210; Feb. 4; Gaz. vol. 132; p. 1070.
- Maxwell & Berlet Inc., Philadelphia, Pa. "The Twelve Birthstones and Where Found." (For Birthstones.) No. 2,266; Apr. 28; Gaz. vol. 133; p. 2178.
- McArthur, M. J., Cleveland, Ohio. "McArthur's Fire Escape Ladder." (For Fire-Escapes.) No. 2,278; May 19; Gaz. vol. 134; p. 773.
- Milton Bradley Company, Springfield, Mass. "Stevens Rifles, The Bull's Eye Kind." (For Rifles.) No. 2,341; Sept. 8; Gaz. vol. 136; p. 435.
- Natural Food Company, Niagara Falls, N. Y. "It's All in the Shreds." (For Shredded Cereal Foods.) No. 2,368; Oct. 27; Gaz. vol. 136; p. 1998.
- New Fiction Library, New York, N. Y. "Circulating." (For Books of Fiction.) No. 2,322; July 14; Gaz. vol. 135; p. 448.
- Pearl, E., New York, N. Y. "U. S. A. Pencil Case, Useful School Article." (For Pencil-Case.) No. 2,363; Oct. 13; Gaz. vol. 136; p. 1530.
- Peavy, J., New York, N. Y. "College Cut Trousers." (For Trousers.) No. 2,256; Apr. 7; Gaz. vol. 133; p. 1432.
- Peter Hand Brewing Company, Chicago, Ill. "Dr. Stork." (For Malt Elixir.) No. 2,206; Jan. 28; Gaz. vol. 132; p. 840.
- Phoenix Knitting Works, Milwaukee, Wis. "Phoenix Muffler." (For Mufflers.) No. 2,196; Jan. 14; Gaz. vol. 132; p. 465.
- Plant & Co., L. S., Newark, N. J. "Double Service Suits." (For Suits of Boys' Clothing.) No. 2,359; Oct. 13; Gaz. vol. 136; p. 1530.
- Pontiac Buggy Co., Pontiac, Mich. "Forged Steel Vehicles." (For Vehicles.) No. 2,399; Dec. 15; Gaz. vol. 137; p. 1708.

Alphabetical list of registrants of prints—Continued.

- R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. "Table for Grinding Clearance." (For Cutter-Grinders.) No. 2,340; Sept. 8; Gaz. vol. 136; p. 435.
- Reckitt & Sons, Ltd., New York, N. Y. "Reckitt's Blue." (For Bluing for Laundry Use.) No. 2,280; May 26; Gaz. vol. 134; p. 1048.
- Reckitt & Sons, Ltd., New York, N. Y. "Reckitt's Blue." (For Bluing.) No. 2,298; June 16; Gaz. vol. 134; p. 1801.
- Reliance Tailoring Co., Philadelphia, Pa. "The Reliance Tailoring Co." (For Men's Clothing.) No. 2,260; Apr. 14; Gaz. vol. 133; p. 1677.
- Renfro Bros. Co., Chicago, Ill. "Uji." (For Teas and Coffees.) No. 2,394; Dec. 8; Gaz. vol. 137; p. 1480.
- Roberts, F. C., Detroit, Mich. "Ideal Corner." (For Corers.) No. 2,348; Sept. 22; Gaz. vol. 136; p. 845.
- Robinson, W. M., Omaha, Nebr. "The Bennett Company's Line of Pianos." (For Pianos.) No. 2,330; Sept. 1; Gaz. vol. 136; p. 223.
- Rogalley, J., Gloversville, N. Y. "The Rogalley Ventilating Health Glove." (For Gloves.) No. 2,194; Jan. 14; Gaz. vol. 132; p. 465.
- Roswald & Weil Co., Chicago, Ill. "Men's Apparel." (For Men's Apparel.) No. 2,217; Feb. 11; Gaz. vol. 132; p. 1318.
- Samuel Mundheim Co., Brooklyn, N. Y. "Loudon Cross & Co." (For Hats.) No. 2,195; Jan. 14; Gaz. vol. 132; p. 465.
- Sawyer Crystal Blue Co., Boston, Mass. "Sawyer's Crystal Blue." (For Washing-Blue.) No. 2,204; Jan. 21; Gaz. vol. 132; p. 676.
- Schloss Bros. & Co., Baltimore, Md. "Mens Apparel." (For Men's Clothing.) No. 2,264; Apr. 21; Gaz. vol. 133; p. 1933.
- Singer Sewing Machine Co., New York, N. Y. "The Singer Sewing Machine of 1850." (For Sewing-Machines.) No. 2,200; Jan. 14; Gaz. vol. 132; p. 465.
- Sommer, A., Cambridge, Mass. "Artgum, the Dry Cleaner and Massager." (For a Cleaning Composition.) No. 2,203; Jan. 21; Gaz. vol. 132; p. 676.
- Sommer, A., Cambridge, Mass. "Thanks for the Artgum." (For Artgum, a Cleaning Composition.) No. 2,279; May 26; Gaz. vol. 134; p. 1048.
- Sommer, A., Cambridge, Mass. "Cleaning a Drawing." (For a Cleaning Composition.) No. 2,333; Sept. 8; Gaz. vol. 136; p. 435.
- Sommer, A., Cambridge, Mass. "Cleaning a Glove." (For a Cleaning Composition.) No. 2,334; Sept. 8; Gaz. vol. 136; p. 435.
- Sommer, A., Cambridge, Mass. "Cleaning a Hat." (For a Cleaning Composition.) No. 2,335; Sept. 8; Gaz. vol. 136; p. 435.
- Sommer, A., Cambridge, Mass. "Cleaning the Wallpaper." (For a Cleaning Composition.) No. 2,336; Sept. 8; Gaz. vol. 136; p. 435.
- Sommer, A., Cambridge, Mass. "Cleaning a Slipper." (For a Cleaning Composition.) No. 2,337; Sept. 8; Gaz. vol. 136; p. 435.
- Sommer, A., Cambridge, Mass. "Massaging the Face." (For a Massaging Composition.) No. 2,343; Sept. 15; Gaz. vol. 136; p. 656.
- Southwestern Milling Company, Kansas City, Mo. "Aristos Red Turkey Wheat Flour." (For Wheat-Flour.) No. 2,352; Sept. 29; Gaz. vol. 136; p. 1066.
- Stanley, G. A., New York, N. Y. "Ours is a Record of Victory with Victor Records." (For Disk Records.) No. 2,354; Sept. 29; Gaz. vol. 136; p. 1066.
- Star Milk Cooler Co., Haddonfield, N. J. "Star Sanitary Dairy Pail." (For Sanitary Dairy-Pails.) No. 2,232; Mar. 3; Gaz. vol. 133; p. 227.
- Stein & Co., A., Chicago, Ill. "The Men's Garter." (For Garters.) No. 2,283; June 2; Gaz. vol. 134; p. 1296.
- Thomas, B. E., New York, N. Y. "Herbo-Nervo." (For a Nerve-Tonic.) No. 2,342; Sept. 15; Gaz. vol. 136; p. 656.
- Toasted Corn Flake Co., Battle Creek, Mich. "Doctor Bright Eyes." (For Toasted Corn-Flakes.) No. 2,304; June 30; Gaz. vol. 134; p. 2242.
- Toasted Corn Flake Co., Battle Creek, Mich. "Mother Bright Eyes." (For Toasted Corn-Flakes.) No. 2,305; June 30; Gaz. vol. 134; p. 2242.
- Toasted Corn Flake Co., Battle Creek, Mich. "Bridget Bright Eyes." (For Toasted Corn-Flakes.) No. 2,306; June 30; Gaz. vol. 134; p. 2242.
- Toasted Corn Flake Co., Battle Creek, Mich. "Bobby Bright Eyes." (For Toasted Corn-Flakes.) No. 2,307; June 30; Gaz. vol. 134; p. 2242.
- Toasted Corn Flake Co., Battle Creek, Mich. "Baby Bright Eyes." (For Toasted Corn-Flakes.) No. 2,308; June 30; Gaz. vol. 134; p. 2242.
- Toasted Corn Flake Co., Battle Creek, Mich. "Grandma Bright Eyes." (For Toasted Corn-Flakes.) No. 2,309; June 30; Gaz. vol. 134; p. 2242.
- Toasted Corn Flake Co., Battle Creek, Mich. "Grandpa Bright Eyes." (For Toasted Corn-Flakes.) No. 2,310; June 30; Gaz. vol. 134; p. 2242.
- Toasted Corn Flake Co., Battle Creek, Mich. "Father Bright Eyes." (For Toasted Corn-Flakes.) No. 2,311; June 30; Gaz. vol. 134; p. 2242.
- Tripp, B. T., Boston, Mass. "The Genesis and Evolution of the Safety Deposit Vault." (For the Boltwork for Vault-Doors.) No. 2,253; Mar. 31; Gaz. vol. 133; p. 1185.
- Union Metallic Cartridge Co., Bridgeport, Conn. "America's Standard Ammunition U. M. C. Club Shells." (For Club-Shells.) No. 2,303; June 23; Gaz. vol. 134; p. 2026.
- United States Playing Card Company, Norwood, Ohio. "67 Lenox Playing Cards Quandra Indexes." No. 2,192; Jan. 14; Gaz. vol. 132; p. 465.
- United States Playing Card Company, Norwood, Ohio. "Minuet Back, Congress Playing Cards." (For Playing-Cards.) No. 2,193; Jan. 14; Gaz. vol. 132; p. 465.
- United States Playing Card Company, Norwood, Ohio. "Oasis, Iroquois and Beacon Light Backs, Congress Playing Cards." (For Playing-Cards.) No. 2,255; Apr. 7; Gaz. vol. 133; p. 1432.
- United States Playing Card Company, Norwood, Ohio. "74 Card Dominoes." (For Game-Cards.) No. 2,262; Apr. 21; Gaz. vol. 133; p. 1933.
- United States Playing Card Company, Norwood, Ohio. "No. 72. Astrological Fate Cards." (For Playing-Cards.) No. 2,329; Sept. 1; Gaz. vol. 136; p. 223.
- United States Playing Card Company, Norwood, Ohio. "Compass and Lead Backs, Columbia Playing Cards." (For Playing-Cards.) No. 2,338; Sept. 8; Gaz. vol. 136; p. 435.
- United States Playing Card Company, Norwood, Ohio. "Panama Souvenir Playing Cards." (For Playing-Cards.) No. 2,339; Sept. 8; Gaz. vol. 136; p. 435.
- United States Playing Card Company, Norwood, Ohio. "Flirtation and Fortuna Backs, Congress Playing Cards." (For Playing-Cards.) No. 2,362; Oct. 13; Gaz. vol. 136; p. 1530.
- United States Playing Card Company, Norwood, Ohio. "Mosaic Back, Columbia Playing Cards." (For Playing-Cards.) No. 2,391; Nov. 24; Gaz. vol. 137; p. 976.
- Ward & Gow, New York, N. Y. "Cox's Gelatine." (For Gelatin.) No. 2,235; Mar. 10; Gaz. vol. 133; p. 511.
- Ware-Kramer Tobacco Company, Norfolk, Va. "Nazma The Prince of Cigarettes." (For Turkish Cigarettes.) No. 2,380; Nov. 17; Gaz. vol. 137; p. 730.
- Ware-Kramer Tobacco Company, Norfolk, Va. "Lynnhaven Turkish Cigarettes." (For Turkish Cigarettes.) No. 2,381; Nov. 17; Gaz. vol. 137; p. 730.
- Washburn-Crosby Company, Minneapolis, Minn. "The Power Behind the Cook." (For Flour.) No. 2,208; Feb. 4; Gaz. vol. 132; p. 1070.
- Washburn-Crosby Company, Minneapolis, Minn. "But the Grocer has more—Thank Goodness." (For Flour.) No. 2,231; Mar. 3; Gaz. vol. 133; p. 227.
- Washburn-Crosby Company, Minneapolis, Minn. "Take Notice!" (For Flour.) No. 2,240; Mar. 17; Gaz. vol. 133; p. 760.
- Washburn-Crosby Company, Minneapolis, Minn. "Again, I Say—Don't Be Odd." (For Flour.) No. 2,254; Apr. 7; Gaz. vol. 133; p. 1432.
- Washburn-Crosby Company, Minneapolis, Minn. "To You—Who Bake." (For Flour.) No. 2,323; July 21; Gaz. vol. 135; p. 660.
- Washburn-Crosby Company, Minneapolis, Minn. "Don't Say Flour." (For Flour.) No. 2,358; Oct. 13; Gaz. vol. 136; p. 1530.
- Washburn-Crosby Company, Minneapolis, Minn. "Now Let Them Come." (For Flour.) No. 2,367; Oct. 27; Gaz. vol. 136; p. 1998.
- Washburn-Crosby Company, Minneapolis, Minn. "One Quart Water." (For Flour.) No. 2,382; Nov. 17; Gaz. vol. 137; p. 730.
- Wells & Richardson Company, Burlington, Vt. "The Standard Package Dyes of the World." (For Dyes.) No. 2,383; Nov. 17; Gaz. vol. 137; p. 730.
- Willis W. Russell Card Co., Milltown, N. J. "No. 323 Blue Ribbon." (For Playing-Cards.) No. 2,202; Jan. 21; Gaz. vol. 132; p. 676.
- Willis W. Russell Card Co., Milltown, N. J. "Blue Ribbon No. 323." (For a Box for Playing-Cards.) No. 2,220; Feb. 18; Gaz. vol. 132; p. 1584.
- Willis W. Russell Card Co., Milltown, N. J. "Russell's Retrievers." (For Playing-Cards.) No. 2,385; Nov. 17; Gaz. vol. 137; p. 730.
- Willis W. Russell Card Co., Milltown, N. J. "Autoists' Back." (For Playing-Cards.) No. 2,386; Nov. 17; Gaz. vol. 137; p. 730.
- Willis W. Russell Card Co., Milltown, N. J. "Russell's Autoists." (For Playing-Cards.) No. 2,387; Nov. 17; Gaz. vol. 137; p. 730.
- Willis W. Russell Card Co., Milltown, N. J. "Winner." (For Playing-Cards.) No. 2,397; Dec. 15; Gaz. vol. 137; p. 1708.
- Windsor-Knitting Mills, New York, N. Y. "Babibhood Clothes." (For Infants' Apparel.) No. 2,349; Sept. 22; Gaz. vol. 136; p. 845.
- Wootter, C., St. Louis, Mo. "Pedology, or the Science of Foot Reading." (For a Corn and Bunion Remedy.) No. 2,319; July 7; Gaz. vol. 135; p. 216.
- Wright, W. D., Boston, Mass. "The Child's Prayer for Perfect Feet." (For Shoes.) No. 2,370; Oct. 27; Gaz. vol. 136; p. 1998.
- Writerpress Company, Buffalo, N. Y. "Produces Typewritten Letters and Office Forms—Capacity of 100 Typewriters." (For Duplicating-Machines.) No. 2,345; Sept. 15; Gaz. vol. 136; p. 656.

DISCLAIMERS.

Barnett, O. (See Laas, E., *et al.*, assignors.)

Cameron, D., F. J. Commin, and A. J. Martin, Exeter, England. Process of and apparatus for treating sewage. No. 634,423; disclaimer filed Feb. 21, 1908; Gaz. vol. 133; p. 1.

Campbell, J., London, England. Navigable vessel. No. 675,812; disclaimer filed Feb. 21, 1908; Gaz. vol. 133; p. 1.

Chicago-Cleveland Car-Roofing Company. (See Gays, H. W., assignor.)

Gays, H. W., St. Louis, Mo. Carline. No. 607,846; disclaimer filed Dec. 2, 1908; Gaz. vol. 137; p. 1714.

Hicks, J. T., Somerville, Mass. Method of and means for cash-registering and account-checking. No. 500,071; disclaimer filed May 13, 1908; Gaz. vol. 134; p. 519.

Laas, E., Elgin, and H. H. Sponenburgh, Wadsworth, Ill. Railway-rail stay. No. 757,754; disclaimer filed Nov. 9, 1908; Gaz. vol. 137; p. 736.

MacKaye, J., Cambridge, Mass. Process of producing chlorids of carbon. No. 880,900; disclaimer filed June 1, 1908; Gaz. vol. 134; p. 1566.

Maxwell, B. C., Canton, Ohio. Manifolded pad or book. No. 847,991; disclaimer filed July 30, 1908; Gaz. vol. 135; p. 1127.

Nolan, E. E., Wilkinsburg, Pa. Fastening means for core-plates of electrical machines. No. 582,481; disclaimer filed Apr. 27, 1908; Gaz. vol. 134; p. 1.

Sayen, H. L., Philadelphia, Pa. Roentgen-ray tube. No. 594,036; disclaimer filed Apr. 29, 1908; Gaz. vol. 134; p. 1.

Smith, C. F., Bridgeport, Conn. Paper-bag machine. No. 864,435; disclaimer filed Dec. 2, 1908; Gaz. vol. 137; p. 1714.

Suddard, W. A., Providence, R. I. Motor-bicycle. No. 750,317; disclaimer filed Mar. 18, 1908; Gaz. vol. 133; p. 1192.

Varley, R., Englewood, N. J. Induction-coil. No. 878,435; disclaimer filed Mar. 19, 1908; Gaz. vol. 133; p. 1191.

ALPHABETICAL LIST OF INVENTIONS.

[Abbreviations: "Sp."=Monthly Volume of Specifications; "Dr."=Monthly Volume of Drawings; "Gaz."=Official Gazette.]

- Abdomen-compress and hose-supporter, Combined. T. P. Taylor. No. 903,623; Nov. 10; Sp. p. 2193; Gaz. vol. 137; p. 388.
 Abdomen-compress and hose-supporter, Combined. T. P. Taylor. No. 903,624; Nov. 10; Sp. p. 2195; Gaz. vol. 137; p. 388.
 Abdomen-compress and hose-supporter, Combined. T. P. Taylor. No. 903,625; Nov. 10; Sp. p. 2196; Gaz. vol. 137; p. 388.
 Abdomen-compress and hose-supporter, Combined. T. P. Taylor. No. 903,626; Nov. 10; Sp. p. 2197; Gaz. vol. 137; p. 388.
 Abdomen-compress and hose-supporter, Combined. T. P. Taylor. No. 903,627; Nov. 10; Sp. p. 2198; Gaz. vol. 137; p. 389.
 Abdomen-compress and hose-supporter, Combined. T. P. Taylor. No. 903,628; Nov. 10; Sp. p. 2199; Gaz. vol. 137; p. 389.
 Abdomen-compress and hose-supporter, Combined. T. P. Taylor. No. 903,629; Nov. 10; Sp. p. 2200; Gaz. vol. 137; p. 389.
 Abdominal and hernia pad, Combined. M. A. and C. A. Snell. No. 883,357; Mar. 31; Sp. p. 5711; Dr. p. 1219; Gaz. vol. 133; p. 1062.
 Abdominal bandage and corset, Combined. R. Marks. No. 906,249; Dec. 8; Sp. p. 2231; Gaz. vol. 137; p. 1382.
 Abdominal heater, Electrical. H. D. Wood, Jr. No. 877,154; Jan. 21; Sp. p. 3030; Dr. p. 656; Gaz. vol. 132; p. 560.
 Abdominal support. V. V. Davids. No. 882,188; Mar. 17; Sp. p. 3412; Dr. p. 725; Gaz. vol. 133; p. 617.
 Abdominal supporter. M. Donaldson. No. 880,444; Feb. 25; Sp. p. 5268; Dr. p. 1108; Gaz. vol. 132; p. 1792.
 Abdominal supporter. K. Koerner. No. 889,624; June 2; Sp. p. 852; Dr. p. 194; Gaz. vol. 134; p. 1197.
 Abdominal supporter. L. Ross. No. 896,583; Aug. 18; Sp. p. 3586; Dr. pp. 771-2; Gaz. vol. 135; p. 1530.
 Abdominal supporter. M. Carrington-Strang. No. 898,093; Sept. 3; Sp. p. 1755; Dr. p. 373; Gaz. vol. 136; p. 308.
 Abdominal supporter and truss. B. F. Lacy. No. 887,200; May 12; Sp. p. 1692; Dr. p. 360; Gaz. vol. 134; p. 310.
 Abrading and polishing material, Tool for holding sheets of. M. O. Randall and A. J. Campbell. No. 889,717; June 2; Sp. p. 1041; Dr. p. 241; Gaz. vol. 134; p. 1226.
 Abrading-machine. A. V. Walker. No. 890,542; June 9; Sp. p. 2696; Dr. pp. 594-5; Gaz. vol. 134; p. 1521.
 Abrading-machine. A. W. Roovers. No. 897,408; Sept. 1; Sp. p. 350; Dr. p. 74; Gaz. vol. 136; p. 54.
 Abrading material. E. F. Landis. No. 875,936; Jan. 7; Sp. p. 475; Dr. p. 102; Gaz. vol. 132; p. 85.
 Abrading or polishing machine. J. J. Canavan. No. 882,665; Mar. 24; Sp. p. 4323; Dr. pp. 919-20; Gaz. vol. 133; p. 807.
 Abrading-wheel. E. F. Landis. No. 875,935; Jan. 7; Sp. p. 474; Dr. p. 102; Gaz. vol. 132; p. 85.
 Abrasive apparatus. O. C. Wyson. No. 900,249; Oct. 6; Sp. p. 361; Dr. p. 75; Gaz. vol. 136; p. 1131.
 Abrasive composition. A. F. Dreesen and W. P. Hutson. No. 894,371; July 28; Sp. p. 4174; Gaz. vol. 135; p. 734.
 Abrasive finishing-machine. D. S. Oakley. No. 894,851; Aug. 4; Sp. p. 97; Dr. p. 20; Gaz. vol. 135; p. 916.
 Abrasive material, Manufacture of. F. J. Tone. No. 888,129; May 19; Sp. p. 3618; Dr. p. 758; Gaz. vol. 134; p. 647.
 Abrasive tool and mounting. R. A. Rowland and W. J. Mahnke. No. 881,621; Mar. 10; Sp. p. 2257; Dr. p. 490; Gaz. vol. 133; p. 407.
 Abrasive wheels, Safety-collar for. D. B. Hyde. No. 875,931; Jan. 7; Sp. p. 468; Dr. p. 101; Gaz. vol. 132; p. 84.
 Absorbing composition and makingsame. J. F. May. No. 892,754; July 7; Sp. p. 713; Gaz. vol. 135; p. 123.
 Accordion. H. Hohner. No. 894,435; July 28; Sp. p. 4317; Dr. p. 890; Gaz. vol. 135; p. 756.
 Accordion. H. Hohner. No. 894,650; July 28; Sp. p. 4731; Dr. p. 982; Gaz. vol. 135; p. 825.
 Accordion. H. Hohner. No. 898,475; Sept. 15; Sp. p. 2495; Dr. p. 534; Gaz. vol. 136; p. 462.
 Accordion, Mouth-. M. Hohner. No. 894,437; July 28; Sp. p. 4317; Dr. p. 890; Gaz. vol. 135; p. 757.
 Accordion, Mouth-. M. Hohner. No. 894,778; July 28; Sp. p. 4958; Dr. p. 1034; Gaz. vol. 135; p. 866.
 Account-keeper. G. T. Pine. No. 893,366; July 14; Sp. p. 1962; Dr. p. 412; Gaz. vol. 135; p. 853.
 Account-keeping apparatus, Individual-. W. W. Robinson. No. 885,958; Apr. 28; Sp. p. 4728; Dr. p. 994; Gaz. vol. 133; p. 2027.
 Account-keeping device. R. D. Burhans. No. 875,774; Jan. 7; Sp. p. 192; Dr. p. 41; Gaz. vol. 132; p. 35.
 Account-keeping device. W. W. Robinson. No. 885,957; Apr. 28; Sp. p. 4726; Dr. p. 994; Gaz. vol. 133; p. 2027.
 Account-register. F. F. Dorsey. No. 882,817; Mar. 24; Sp. p. 4619; Dr. p. 985; Gaz. vol. 133; p. 856.
 Account-register. C. F. Fogg. No. 883,306; Mar. 31; Sp. p. 5619; Dr. pp. 1198-9; Gaz. vol. 133; p. 1047.
 Account-register. S. Klepfer. No. 891,344; June 23; Sp. p. 4381; Dr. p. 953; Gaz. vol. 134; p. 1849.
 Account system. E. E. Brunson. No. 889,900; June 9; Sp. p. 1396; Dr. pp. 317-18; Gaz. vol. 134; p. 1310.
 Account system. H. Wilke. No. 901,507; Oct. 20; Sp. p. 3031; Dr. p. 619; Gaz. vol. 136; p. 1606.
 Accounting appliance. J. E. Wildman. No. 882,856; Mar. 24; Sp. p. 4710; Dr. pp. 1001-2; Gaz. vol. 133; p. 869.
 Accounting system. E. C. Albree. No. 901,579; Oct. 20; Sp. p. 3171; Dr. p. 647; Gaz. vol. 136; p. 1629.
 Accounting system. E. C. Albree. No. 902,542; Nov. 3; Sp. p. 1; Gaz. vol. 137; p. 3.
 Accounting system. E. C. Albree. No. 902,543; Nov. 3; Sp. p. 7; Gaz. vol. 137; p. 3.
 Accounting system. E. C. Albree. No. 902,544; Nov. 3; Sp. p. 10; Gaz. vol. 137; p. 3.
 Accumulator-controller. W. B. Mason. No. 886,145; Apr. 28; Sp. p. 5102; Dr. pp. 1071-2; Gaz. vol. 133; p. 2087.
 Accumulator-plate. M. Margulis. No. 884,028; Apr. 7; Sp. p. 729; Dr. p. 147; Gaz. vol. 133; p. 1308.
 Acetate of lime and wood-alcohol, Manufacture of gray. H. B. Schmidt. No. 885,183; Apr. 21; Sp. p. 3122; Dr. p. 657; Gaz. vol. 133; p. 1745.
 Acetylene-generator. S. W. Rushmore. No. 877,234; Jan. 21; Sp. p. 3200; Dr. p. 694; Gaz. vol. 132; p. 588.
 Acetylene-generator. N. Goodyear. No. 884,328; Apr. 7; Sp. p. 1318; Dr. pp. 279-80; Gaz. vol. 133; p. 1404.
 Acetylene-generator. N. Goodyear. No. 884,329; Apr. 7; Sp. p. 1324; Dr. pp. 281-2; Gaz. vol. 133; p. 1405.
 Acetylene-generator. I. Mumma. No. 885,361; Apr. 21; Sp. p. 3495; Dr. pp. 729-31; Gaz. vol. 133; p. 1805.
 Acetylene-generator. R. H. Welles. (Reissue.) No. 12,787; Apr. 28; Sp. p. 5500; Dr. p. 1150; Gaz. vol. 133; p. 2154.
 Acetylene-generator. G. Rocco. No. 892,893; July 7; Sp. p. 1016; Dr. p. 213; Gaz. vol. 135; p. 168.
 Acetylene-generator. E. E. Taggart. No. 902,023; Oct. 27; Sp. p. 4103; Dr. p. 831; Gaz. vol. 136; p. 1804.
 Acetylene-generator, Portable. L. Troubetzkoy. No. 905,767; Dec. 1; Sp. p. 1295; Gaz. vol. 137; p. 1195.
 Acetylene-generators, Carbide-feed for. A. S. Phelps, Jr. No. 878,310; Feb. 4; Sp. p. 855; Dr. pp. 169-70; Gaz. vol. 132; p. 986.
 Acetylene-generators, Carbide-feeder for. I. Peirce. No. 891,094; June 16; Sp. p. 3854; Dr. p. 842; Gaz. vol. 134; p. 1735.
 Acetylene tetrachlorid, Manufacture of. J. Voigt. No. 908,051; Dec. 29; Sp. p. 5820; Gaz. vol. 137; p. 2059.
 Acid, Acyl derivative of para-aminophenylarsinic. P. Ehrlich and A. Bertheim. No. 907,016; Dec. 15; Sp. p. 3653; Gaz. vol. 137; p. 1651.
 Acid and making the same, Soluble salts of the anhydro-oxy-methylen-diphosphoric. S. Posternak. No. 886,852; May 5; Sp. p. 1045; Gaz. vol. 134; p. 171.
 Acid and sodium sulfate, Manufacture of sulfuric. U. F. Benker. No. 899,284; Sept. 22; Sp. p. 4051; Gaz. vol. 136; p. 752.
 Acid apparatus for beer-casks and the like, Carbonic-. B. Hadank. No. 884,017; Apr. 7; Sp. p. 706; Dr. pp. 142-3; Gaz. vol. 133; p. 1305.
 Acid, Apparatus for charging siphons with carbonic. P. Giron. No. 885,467; Apr. 21; Sp. p. 3688; Dr. p. 773; Gaz. vol. 133; p. 1838.
 Acid, Apparatus for treating oleic. P. Schroerer. No. 902,177; Oct. 27; Sp. p. 4406; Dr. p. 893; Gaz. vol. 136; p. 1853.
 Acid baths, Preparing carbonic-. P. G. Lebram. No. 897,546; Sept. 1; Sp. p. 630; Gaz. vol. 136; p. 98.
 Acid by means of superheating, &c., Manufacturing nitric. H. Pauling. No. 882,958; Mar. 24; Sp. p. 4918; Dr. p. 1043; Gaz. vol. 132; p. 904.
 Acid, Celestin-blue sulfonic. W. Lommel. No. 902,154; Oct. 27; Sp. p. 4356; Gaz. vol. 136; p. 1846.
 Acid, Concentrating nitric. H. Pauling. No. 887,266; May 12; Sp. p. 1855; Dr. p. 392; Gaz. vol. 134; p. 332.
 Acid, Concentrating nitrosulfuric waste. H. Pauling. No. 898,390; Sept. 8; Sp. p. 2309; Dr. p. 491; Gaz. vol. 136; p. 402.
 Acid, Electrolytic production of chromic. M. Le Blanc. No. 883,651; Mar. 31; Sp. p. 6338; Dr. p. 1351; Gaz. vol. 133; p. 1156.
 Acid esters of cyclical terpene alcohols, Manufacture of. O. Zeitschel. No. 907,941; Dec. 29; Sp. p. 5585; Gaz. vol. 137; p. 2022.
 Acid from chromic sulfate, Electrolytically producing chromic. G. Adolph and A. Pietzsch. No. 895,930; Aug. 11; Sp. p. 2299; Gaz. vol. 135; p. 1296.
 Acid glycerin esters, Manufacture of salicylic. C. Sorger. No. 882,590; Mar. 24; Sp. p. 4170; Gaz. vol. 133; p. 782.
 Acid, Making dialkyl barbituric. M. Conrad. No. 893,308; July 14; Sp. p. 1855; Gaz. vol. 135; p. 334.
 Acid, Making methylphenol-ortho-carboxylic. B. Homolka and R. Velde. No. 889,010; May 26; Sp. p. 5415; Gaz. vol. 134; p. 977.
 Acid, Making nitric. O. H. U. Brünler. No. 898,033; Sept. 8; Sp. p. 1649; Dr. p. 351; Gaz. vol. 136; p. 289.
 Acid, Making nitric. O. Bender. No. 900,471; Oct. 6; Sp. p. 856; Dr. p. 174; Gaz. vol. 136; p. 1205.
 Acid, Making sulfuric. O. Bender. No. 900,688; Oct. 6; Sp. p. 1327; Dr. p. 271; Gaz. vol. 136; p. 1276.
 Acid, Making tartaric. J. McDougall. No. 898,253; Sept. 8; Sp. p. 2070; Gaz. vol. 136; p. 357.

Alphabetical list of inventions—Continued.

- Acid, Manufacture of sulfuric. N. L. Heinz and M. F. Chase. No. 875,909; Jan. 7; Sp. p. 443; Dr. p. 98; Gaz. vol. 132; p. 80.
- Acid, Manufacture of sulfuric. H. Petersen. No. 904,147; Nov. 17; Sp. p. 3275; Gaz. vol. 137; p. 594.
- Acid, Manufacturing barbituric. O. Wolfes. No. 894,994; Aug. 4; Sp. p. 442; Gaz. vol. 135; p. 966.
- Acid, Manufacturing dialkyl barbituric. O. Wolfes. No. 907,664; Dec. 22; Sp. p. 5033; Gaz. vol. 137; p. 1902.
- Acid menthol ester, Brom-valeric-. E. Spröngerts. No. 888,857; May 26; Sp. p. 5108; Gaz. vol. 134; p. 917.
- Acid or oxid from air, Apparatus for manufacturing nitric. H. Pauling. No. 877,446; Jan. 21; Sp. p. 3605; Dr. p. 781; Gaz. vol. 132; p. 656.
- Acid, Producing concentrated nitric. B. F. Halvorsen. No. 892,516; July 7; Sp. p. 249; Gaz. vol. 135; p. 46.
- Acid, Producing phosphoric. F. J. Maywald. No. 902,157; Oct. 27; Sp. p. 4360; Dr. p. 883; Gaz. vol. 136; p. 1846.
- Acid, Production of pure nitric. H. Pauling. No. 877,447; Jan. 21; Sp. p. 3606; Gaz. vol. 132; p. 136.
- Acid-resisting composition. A. Hinzke. No. 893,923; July 21; Sp. p. 3219; Dr. p. 663; Gaz. vol. 135; p. 566.
- Acids, Making arylthioglycolic-orthocarboxylic. E. Bryk. No. 877,702; Jan. 28; Sp. p. 4128; Gaz. vol. 132; p. 759.
- Acids, Making dialkylbarbituric. M. Engelmann. No. 879,156; Feb. 18; Sp. p. 2600; Gaz. vol. 132; p. 1334.
- Acids, Making dialkylbarbituric. M. Engelmann. No. 879,835; Feb. 18; Sp. p. 3995; Gaz. vol. 132; p. 1557.
- Acids, Manufacture of insoluble lime salts of fatty. H. N. Barrett. No. 898,547; Sept. 15; Sp. p. 2644; Gaz. vol. 136; p. 485.
- Acids, Manufacturing barbituric. O. Wolfes. No. 907,665; Dec. 22; Sp. p. 5034; Gaz. vol. 137; p. 1902.
- Acids, Manufacturing dialkylbarbituric. K. Stephan and P. Hunsalz. No. 879,499; Feb. 18; Sp. p. 3302; Gaz. vol. 132; p. 1447.
- Acids, Producing hydroxy-fatty. G. Imbert. No. 901,905; Oct. 20; Sp. p. 3834; Gaz. vol. 136; p. 1735.
- Acids, Producing mixtures of sulfuric and nitric. J. H. Nield. No. 884,035; Apr. 7; Sp. p. 743; Dr. p. 153; Gaz. vol. 133; p. 1311.
- Acoustic diaphragm, Mechanically-actuated. M. R. Hutchison. No. 883,643; Mar. 31; Sp. p. 6306; Dr. p. 1345; Gaz. vol. 133; p. 1153.
- Acoustical instrument. P. Seiler. No. 879,917; Feb. 25; Sp. p. 4212; Dr. p. 879; Gaz. vol. 132; p. 1618.
- Acylic machine. J. E. Noeggerath. No. 895,887; Aug. 11; Sp. p. 2226; Dr. p. 475; Gaz. vol. 135; p. 1283.
- Adding and listing machine. W. E. Swalm. No. 885,202; Apr. 21; Sp. p. 3155; Dr. pp. 662-4; Gaz. vol. 133; p. 1751.
- Adding and listing machine. J. G. Vincent. No. 908,173; Dec. 29; Sp. p. 6072; Gaz. vol. 137; p. 2100.
- Adding-machine. A. J. Klumb and A. W. Krahn. No. 876,196; Jan. 7; Sp. p. 988; Dr. p. 214; Gaz. vol. 132; p. 168.
- Adding-machine. R. H. and W. A. McNair. No. 880,034; Feb. 25; Sp. p. 4435; Dr. pp. 931-4; Gaz. vol. 132; p. 1655.
- Adding-machine. C. N. McFarland. No. 880,159; Feb. 25; Sp. p. 4686; Dr. pp. 987-8; Gaz. vol. 132; p. 1695.
- Adding-machine. K. Karasek and J. Aumund. No. 883,719; Apr. 7; Sp. p. 83; Dr. p. 13; Gaz. vol. 133; p. 1206.
- Adding-machine. S. G. Cook. No. 884,468; Apr. 14; Sp. p. 1614; Dr. pp. 348-9; Gaz. vol. 133; p. 1480.
- Adding-machine. F. Rath. No. 886,543; May 5; Sp. p. 394; Dr. pp. 83-4; Gaz. vol. 134; p. 73.
- Adding-machine. F. Salinger. No. 888,749; May 26; Sp. p. 4857; Dr. pp. 1035-6; Gaz. vol. 134; p. 881.
- Adding-machine. J. G. Vincent. No. 890,945; June 16; Sp. p. 3571; Dr. pp. 779-80; Gaz. vol. 134; p. 1687.
- Adding-machine. C. O. Mapel. No. 893,182; July 14; Sp. p. 1608; Dr. p. 341; Gaz. vol. 135; p. 292.
- Adding-machine. J. G. Vincent. No. 894,550; July 28; Sp. p. 4538; Dr. pp. 940-1; Gaz. vol. 135; p. 792.
- Adding-machine. F. R. Piper. No. 895,678; Aug. 11; Sp. p. 1802; Dr. p. 384; Gaz. vol. 135; p. 1216.
- Adding-machine. A. E. Cole. No. 897,877; Sept. 8; Sp. p. 1295; Dr. pp. 277-8; Gaz. vol. 136; p. 237.
- Adding-machine. J. C. Vincent. No. 897,941; Sept. 8; Sp. p. 1452; Dr. p. 310; Gaz. vol. 136; p. 259.
- Adding-machine. R. C. Streib. No. 898,282; Sept. 8; Sp. p. 2115; Dr. p. 430; Gaz. vol. 136; p. 366.
- Adding-machine. A. Hoch. No. 898,411; Sept. 8; Sp. p. 2349; Dr. pp. 499-504; Gaz. vol. 136; p. 408.
- Adding-machine. G. N. Hinchman. No. 899,398; Sept. 22; Sp. p. 4244; Dr. pp. 911-12; Gaz. vol. 136; p. 787.
- Adding-machine. M. C. Crawley. No. 899,482; Sept. 22; Sp. p. 4398; Dr. p. 944; Gaz. vol. 136; p. 814.
- Adding-machine. H. L. Fisher. No. 899,965; Sept. 29; Sp. p. 5431; Dr. p. 1158; Gaz. vol. 136; p. 1008.
- Adding-machine. W. S. Horry. No. 899,983; Sept. 29; Sp. p. 5467; Dr. p. 1166; Gaz. vol. 136; p. 1014.
- Adding-machine. O. Ostbye. No. 908,124; Dec. 29; Sp. p. 5970; Gaz. vol. 137; p. 2083.
- Adding-machine. J. G. Vincent. No. 908,430; Dec. 29; Sp. p. 6629; Gaz. vol. 137; p. 2189.
- Adding-machine attachment. H. R. Wellman. No. 882,806; Mar. 24; Sp. p. 4601; Dr. pp. 980-1; Gaz. vol. 133; p. 852.
- Adding-machine attachment. C. L. Becker. No. 892,116; June 30; Sp. p. 5940; Dr. p. 1279; Gaz. vol. 134; p. 2134.
- Adding-machine carrying mechanism. C. N. McFarland and C. Wales. No. 880,157; Feb. 25; Sp. p. 4681; Dr. p. 986; Gaz. vol. 132; p. 1694.
- Adding-machine, Electrically-operated. R. L. Burd. No. 890,960; June 16; Sp. p. 3617; Dr. pp. 786-7; Gaz. vol. 134; p. 1692.
- Adding-machine full-stroke mechanism. R. E. Benner. No. 903,536; Nov. 10; Sp. p. 2005; Gaz. vol. 137; p. 360.
- Adding-machine momentum-absorber. C. N. McFarland and C. Wales. No. 880,158; Feb. 25; Sp. p. 4684; Dr. p. 987; Gaz. vol. 132; p. 1695.
- Adding-machine register. W. L. Dench. No. 885,326; Apr. 21; Sp. p. 3421; Dr. p. 714; Gaz. vol. 133; p. 1794.
- Adding-machine resetting device. J. J. Walsh. No. 897,688; Sept. 1; Sp. p. 900; Dr. p. 193; Gaz. vol. 136; p. 145.
- Adding-machine ribbon-controlling mechanism. C. P. Wetmore and F. A. Niemann. No. 886,747; May 5; Sp. p. 849; Dr. p. 176; Gaz. vol. 134; p. 140.
- Adding-machine stand. A. Hendricks. No. 897,367; Sept. 1; Sp. p. 258; Dr. p. 53; Gaz. vol. 136; p. 39.
- Adding-machine-stand caster. A. Hendricks. No. 894,949; Aug. 4; Sp. p. 346; Dr. p. 70; Gaz. vol. 135; p. 951.
- Adding-machines, Paper-rewind mechanism for. S. J. Davidson. No. 884,721; Apr. 14; Sp. p. 2163; Dr. p. 460; Gaz. vol. 133; p. 1565.
- Adding-machines, Pneumatic motor for. C. Wales. No. 880,607; Mar. 3; Sp. p. 243; Dr. p. 50; Gaz. vol. 133; p. 42.
- Adding-machines, Printing-eliminating device for. C. Wales. No. 902,125; Oct. 27; Sp. p. 4295; Dr. p. 871; Gaz. vol. 136; p. 1836.
- Addresser, Envelop-. R. N. Rogers. No. 876,913; Jan. 14; Sp. p. 2483; Dr. pp. 542-3; Gaz. vol. 132; p. 438.
- Addressing-machine. J. P. Bryan. No. 877,400; Jan. 21; Sp. p. 3511; Dr. p. 761; Gaz. vol. 132; p. 640.
- Addressing-machine. M. and J. Burke. No. 878,117; Feb. 4; Sp. p. 448; Dr. pp. 95-6; Gaz. vol. 132; p. 921.
- Addressing-machine. B. S. Molyneux. No. 888,343; May 19; Sp. p. 4012; Dr. p. 848; Gaz. vol. 134; p. 715.
- Addressing-machine. C. Owens and A. Lyle. No. 889,328; June 2; Sp. p. 261; Dr. pp. 64-5; Gaz. vol. 134; p. 1101.
- Addressing-machine. C. A. Belknap. No. 896,702; Aug. 25; Sp. p. 3820; Dr. pp. 826-7; Gaz. vol. 135; p. 1589.
- Addressing-machine. E. H. Frey. No. 897,887; Sept. 8; Sp. p. 1316; Dr. p. 281; Gaz. vol. 136; p. 240.
- Addressing-machine. E. H. Frey. No. 897,888; Sept. 8; Sp. p. 1318; Dr. p. 282; Gaz. vol. 136; p. 241.
- Addressing-machine type-plate and drawer. R. N. Rogers. No. 905,928; Dec. 8; Sp. p. 1610; Gaz. vol. 137; p. 1278.
- Addressing-machines and the like, Self-feeder for. R. N. Rogers. No. 876,914; Jan. 14; Sp. p. 2493; Dr. p. 544; Gaz. vol. 132; p. 438.
- Addressing-machines, Town-marker for. S. C. Cox. No. 901,954; Oct. 27; Sp. p. 3942; Dr. pp. 804-5; Gaz. vol. 136; p. 1782.
- Adhesive composition. M. Smetana. No. 879,013; Feb. 11; Sp. p. 2309; Gaz. vol. 132; p. 1247.
- Adhesive plasters, Cutting and stripping device for spool. W. J. Walsh. No. 879,223; Feb. 18; Sp. p. 2728; Dr. p. 569; Gaz. vol. 132; p. 1356.
- Adjustable and extensible bracket. L. J. Rhoades. No. 877,373; Jan. 21; Sp. p. 3460; Dr. p. 751; Gaz. vol. 132; p. 631.
- Adjustable box or bearing. G. M. Hinkley. No. 879,265; Feb. 18; Sp. p. 2809; Dr. p. 589; Gaz. vol. 132; p. 1371.
- Adjustable brace. J. B. Collins. No. 879,524; Feb. 18; Sp. p. 3347; Dr. p. 699; Gaz. vol. 132; p. 1455.
- Adjustable bracket. L. D. Carter. No. 878,455; Feb. 4; Sp. p. 1121; Dr. p. 230; Gaz. vol. 132; p. 1033.
- Adjustable bracket. W. G. Kirchhoff. No. 883,138; Mar. 24; Sp. p. 5265; Dr. p. 1124; Gaz. vol. 133; p. 962.
- Adjustable bracket. D. G. Bradstock. No. 900,475; Oct. 6; Sp. p. 864; Dr. p. 176; Gaz. vol. 136; p. 1206.
- Adjustable bracket. I. Filson. No. 901,700; Oct. 20; Sp. p. 3455; Dr. p. 700; Gaz. vol. 136; p. 1671.
- Adjustable chair. L. C. Wentworth. No. 882,983; Mar. 24; Sp. p. 4957; Dr. p. 1055; Gaz. vol. 133; p. 911.
- Adjustable chair. L. G. Schussmann. No. 892,315; June 30; Sp. p. 6331; Dr. pp. 1363-4; Gaz. vol. 134; p. 2201.
- Adjustable chair. C. H. Rhodes. No. 900,593; Oct. 6; Sp. p. 1113; Dr. p. 228; Gaz. vol. 136; p. 1244.
- Adjustable clamp. J. Rivers. No. 898,604; Sept. 15; Sp. p. 2746; Dr. p. 587; Gaz. vol. 136; p. 503.
- Adjustable frame. T. J. Harford. No. 898,047; Sept. 8; Sp. p. 1671; Dr. p. 355; Gaz. vol. 136; p. 293.
- Adjustable indicator. J. H. Rand. No. 890,925; June 16; Sp. p. 3513; Dr. p. 769; Gaz. vol. 134; p. 1679.
- Adjustable rake. J. J. Holley. No. 899,982; Sept. 29; Sp. p. 5466; Dr. p. 1165; Gaz. vol. 136; p. 1014.
- Adjustable stand. M. W. Hearn. No. 892,422; July 7; Sp. p. 58; Dr. pp. 13-14; Gaz. vol. 135; p. 14.
- Adjustable stand. G. O. Miller. No. 898,059; Sept. 8; Sp. p. 1700; Dr. p. 360; Gaz. vol. 136; p. 297.
- Adjustable stand. J. W. Rice. No. 898,263; Sept. 8; Sp. p. 2084; Dr. p. 443; Gaz. vol. 136; p. 360.
- Adjustable table. J. C. Lewis. No. 878,967; Feb. 11; Sp. p. 2222; Dr. p. 465; Gaz. vol. 132; p. 1233.
- Adjustable table. J. W. Cash. No. 892,133; June 30; Sp. p. 5980; Dr. p. 1285; Gaz. vol. 134; p. 2140.
- Adjustable table. A. Marrero and F. Helwig. No. 899,548; Sept. 29; Sp. p. 4557; Dr. p. 980; Gaz. vol. 136; p. 873.
- Adjustable wrench. J. C. Burgess. No. 900,828; Oct. 13; Sp. p. 1623; Dr. p. 328; Gaz. vol. 136; p. 1349.
- Adjusting and locking device. F. H. Richards. No. 892,623; July 7; Sp. p. 437; Dr. p. 95; Gaz. vol. 135; p. 80.
- Adjusting-jack. C. S. Ehrhart. No. 903,849; Nov. 17; Sp. p. 2650; Gaz. vol. 137; p. 491.
- Advertisement. C. H. Fox. No. 880,513; Mar. 3; Sp. p. 40; Dr. p. 10; Gaz. vol. 133; p. 10.
- Advertisements and the like, Means for illuminating. C. Schlösser and S. Knauss. No. 908,038; Dec. 29; Sp. p. 5799; Gaz. vol. 137; p. 2054.
- Advertisements, Mechanical device for displaying. E. M. Low. No. 890,147; June 9; Sp. p. 1906; Dr. pp. 421-2; Gaz. vol. 134; p. 1394.
- Advertisements, Mechanism for displaying. C. A. Bengtson. No. 892,024; June 30; Sp. p. 5772; Dr. p. 1242; Gaz. vol. 134; p. 2104.

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- Advertising and other air-ship. J. C. Burnell. No. 888,220; May 19; Sp. p. 3784; Dr. p. 794; Gaz. vol. 134; p. 677.
 Advertising apparatus. C. A. and C. E. Yale. No. 878,171; Feb. 4; Sp. p. 584; Dr. p. 119; Gaz. vol. 132; p. 940.
 Advertising apparatus. H. Dahn and F. Becker. No. 883,865; Apr. 7; Sp. p. 396; Dr. p. 77; Gaz. vol. 133; p. 1254.
 Advertising apparatus. W. P. Dun Lany. No. 889,590; June 2; Sp. p. 794; Dr. p. 181; Gaz. vol. 134; p. 1136.
 Advertising apparatus. W. J. Sawyer. No. 889,814; June 2; Sp. p. 1210; Dr. pp. 279-80; Gaz. vol. 134; p. 1256.
 Advertising apparatus. J. Reix. No. 899,321; Sept. 22; Sp. p. 4115; Dr. p. 880; Gaz. vol. 136; p. 763.
 Advertising apparatus. C. E. Petersen. No. 899,467; Sept. 22; Sp. p. 4369; Dr. p. 938; Gaz. vol. 136; p. 809.
 Advertising apparatus. Traveling. D. J. McOsker. No. 889,390; June 2; Sp. p. 406; Dr. pp. 95-6; Gaz. vol. 134; p. 1122.
 Advertising appliance. S. F. Hall. No. 880,658; Mar. 3; Sp. p. 340; Dr. p. 74; Gaz. vol. 133; p. 60.
 Advertising, Automatic switching device for use in flash. L. K. Job. No. 876,555; Jan. 14; Sp. p. 1767; Dr. pp. 385-6; Gaz. vol. 132; p. 320.
 Advertising bill-hook. W. Hornich, Jr. No. 901,901; Oct. 20; Sp. p. 3826; Dr. p. 778; Gaz. vol. 136; p. 1734.
 Advertising character. L. H. Sternberg. No. 906,959; Dec. 15; Sp. p. 3557; Gaz. vol. 137; p. 1633.
 Advertising device. A. B. Mackie. No. 878,301; Feb. 4; Sp. p. 838; Dr. p. 167; Gaz. vol. 132; p. 983.
 Advertising device. E. Van Antwerp. No. 880,254; Feb. 25; Sp. p. 4884; Dr. p. 1033; Gaz. vol. 132; p. 1728.
 Advertising device. J. T. Moncrief. No. 880,809; Mar. 3; Sp. p. 647; Dr. p. 136; Gaz. vol. 133; p. 112.
 Advertising device. G. C. Root. No. 883,749; Apr. 7; Sp. p. 135; Dr. p. 25; Gaz. vol. 133; p. 1215.
 Advertising device. L. Foster. No. 885,333; Apr. 21; Sp. p. 3438; Dr. p. 717; Gaz. vol. 133; p. 1796.
 Advertising device. G. B. Lehy. No. 885,350; Apr. 21; Sp. p. 3477; Dr. pp. 724-5; Gaz. vol. 133; p. 1802.
 Advertising device. I. O. Thorley. No. 886,275; Apr. 28; Sp. p. 5331; Dr. p. 1122; Gaz. vol. 133; p. 2130.
 Advertising device. E. H. Lawton. No. 887,104; May 12; Sp. p. 1532; Dr. p. 324; Gaz. vol. 134; p. 281.
 Advertising device. W. D. Butt. No. 887,766; May 19; Sp. p. 2908; Dr. p. 613; Gaz. vol. 134; p. 528.
 Advertising device. A. J. De Barry. No. 899,212; June 2; Sp. p. 43; Dr. pp. 11-12; Gaz. vol. 134; p. 1065.
 Advertising device. T. Kharas. No. 889,618; June 2; Sp. p. 840; Dr. p. 191; Gaz. vol. 134; p. 1194.
 Advertising device. W. Fraser. No. 889,674; June 2; Sp. p. 958; Dr. p. 221; Gaz. vol. 134; p. 1212.
 Advertising device. F. X. Robert. No. 892,449; July 7; Sp. p. 119; Dr. p. 26; Gaz. vol. 135; p. 24.
 Advertising device. C. A. Leupold. No. 894,503; July 28; Sp. p. 4456; Dr. p. 923; Gaz. vol. 135; p. 780.
 Advertising device. C. M. De Forest. No. 834,610; July 28; Sp. p. 4661; Dr. p. 968; Gaz. vol. 135; p. 813.
 Advertising device. R. Streich. No. 894,988; Aug. 4; Sp. p. 430; Dr. p. 88; Gaz. vol. 135; p. 964.
 Advertising device. H. A. Goebler. No. 895,085; Aug. 4; Sp. p. 614; Dr. p. 128; Gaz. vol. 135; p. 967.
 Advertising device. L. J. Husted. No. 898,579; Sept. 15; Sp. p. 2700; Dr. p. 577; Gaz. vol. 136; p. 495.
 Advertising device. E. A. Mastick, Jr. No. 898,757; Sept. 15; Sp. p. 3036; Dr. p. 651; Gaz. vol. 136; p. 552.
 Advertising device. C. T. Wilks. No. 898,949; Sept. 15; Sp. p. 3381; Dr. p. 726; Gaz. vol. 136; p. 615.
 Advertising device. J. T. A. Rosemergy. No. 898,993; Sept. 15; Sp. p. 3461; Dr. p. 741; Gaz. vol. 136; p. 629.
 Advertising device. W. F. Gill and J. M. Barry. No. 901,166; Oct. 13; Sp. p. 2275; Dr. p. 463; Gaz. vol. 136; p. 1457.
 Advertising device. L. S. Sharps. No. 902,840; Nov. 3; Sp. p. 624; Gaz. vol. 137; p. 105.
 Advertising device. J. P. Ryan. No. 906,564; Dec. 15; Sp. p. 2805; Gaz. vol. 137; p. 1509.
 Advertising device. H. R. Stottum. No. 907,648; Dec. 22; Sp. p. 4974; Gaz. vol. 137; p. 1896.
 Advertising device, Automatically-changing. M. Tannert and M. Böscherz. No. 902,927; Nov. 3; Sp. p. 795; Gaz. vol. 137; p. 131.
 Advertising device for vehicles. M. F. Geserich. No. 897,615; Sept. 1; Sp. p. 770; Dr. p. 162; Gaz. vol. 136; p. 122.
 Advertising device, Wheel. J. W. Roberts. No. 882,505; Mar. 17; Sp. p. 3980; Dr. p. 850; Gaz. vol. 133; p. 721.
 Advertising device, Wheel. J. P. Bergeron. No. 896,885; Aug. 25; Sp. p. 4210; Dr. pp. 902-3; Gaz. vol. 135; p. 1651.
 Advertising device, Wind-actuated. R. Ray. No. 901,187; Oct. 13; Sp. p. 2309; Dr. p. 473; Gaz. vol. 136; p. 1463.
 Advertising directory. S. H. Martel, Jr. No. 896,926; Aug. 25; Sp. p. 4336; Dr. p. 928; Gaz. vol. 135; p. 1667.
 Advertising fan and score-card, Combined. H. M. Phlegar. No. 893,096; July 14; Sp. p. 1424; Dr. p. 301; Gaz. vol. 135; p. 264.
 Advertising fly-catcher. A. F. Händler and K. A. Starke. No. 885,615; Apr. 21; Sp. p. 3988; Dr. p. 833; Gaz. vol. 133; p. 1883.
 Advertising hat-clasp. F. T. Shewlin. No. 888,663; May 26; Sp. p. 4699; Dr. p. 999; Gaz. vol. 134; p. 855.
 Advertising-indicator. C. E. Johnson. No. 882,640; Mar. 24; Sp. p. 4273; Dr. pp. 905-6; Gaz. vol. 133; p. 799.
 Advertising-machine. E. Pickel. No. 881,616; Mar. 10; Sp. p. 2249; Dr. pp. 488-9; Gaz. vol. 133; p. 405.
 Advertising-machine, Electro-automatic. C. Myers and A. H. Burchard. No. 899,246; June 9; Sp. p. 2118; Dr. p. 465; Gaz. vol. 134; p. 1427.
 Advertising novelty. A. G. Hume. No. 884,822; Apr. 14; Sp. p. 2370; Dr. p. 498; Gaz. vol. 133; p. 1599.
 Advertising novelty. W. E. and J. H. Campe. No. 907,313; Dec. 22; Sp. p. 4272; Gaz. vol. 137; p. 1787.
 Advertising purposes, Means of using newspaper and like stands for. F. Stebbings. No. 899,081; Sept. 22; Sp. p. 3628; Dr. p. 777; Gaz. vol. 136; p. 685.
 Advertising-vehicle. F. X. Bimmerle. No. 882,446; Mar. 17; Sp. p. 3879; Dr. pp. 828-30; Gaz. vol. 133; p. 702.
 Aerator, Milk-. D. M. Culver. No. 893,452; July 14; Sp. p. 2154; Dr. p. 451; Gaz. vol. 135; p. 381.
 Aerial apparatus. M. B. Sellers. No. 886,159; Apr. 28; Sp. p. 5123; Dr. pp. 1076-7; Gaz. vol. 133; p. 2091.
 Aerial apparatus. C. J. A. Fiesse. No. 887,931; May 19; Sp. p. 3240; Dr. pp. 681-2; Gaz. vol. 134; p. 584.
 Aerial craft, Launching and trial apparatus for. E. J. Pennington. No. 893,647; July 21; Sp. p. 2586; Dr. p. 539; Gaz. vol. 135; p. 474.
 Aerial machine. H. S. Booth. No. 907,120; Dec. 22; Sp. p. 3873; Gaz. vol. 137; p. 1720.
 Aerial machine. H. S. Booth. No. 907,310; Dec. 22; Sp. p. 4266; Gaz. vol. 137; p. 1786.
 Aerial navigation. C. A. Moore and E. Barrow. No. 892,606; July 7; Sp. p. 401; Dr. p. 89; Gaz. vol. 135; p. 74.
 Aerial ships, Propelling device for. D. L. Wolf. No. 898,081; Sept. 8; Sp. p. 1740; Dr. p. 370; Gaz. vol. 136; p. 304.
 Aero-tube. W. Pars. No. 883,565; Mar. 31; Sp. p. 6166; Dr. p. 1311; Gaz. vol. 133; p. 1129.
 Aerodrome or flying-machine. E. R. Mumford. No. 892,380; June 30; Sp. p. 6455; Dr. p. 1392; Gaz. vol. 134; p. 2221.
 Aerophore. L. de Forest. No. 894,318; July 28; Sp. p. 4071; Dr. p. 841; Gaz. vol. 135; p. 717.
 Aeroplane. G. H. Benedict. No. 879,848; Feb. 25; Sp. p. 4025; Dr. p. 844; Gaz. vol. 132; p. 1594.
 Aeroplane. G. Whitehead. No. 881,837; Mar. 10; Sp. p. 2667; Dr. p. 571; Gaz. vol. 133; p. 474.
 Aeroplane. M. Vaniman. No. 884,432; Apr. 14; Sp. p. 1538; Dr. p. 330; Gaz. vol. 133; p. 1469.
 Aeroplane. F. I. Judson. No. 888,618; May 26; Sp. p. 4602; Dr. pp. 976-7; Gaz. vol. 134; p. 840.
 Aeroplane. E. E. Warner. No. 893,887; July 21; Sp. p. 3147; Dr. p. 646; Gaz. vol. 135; p. 553.
 Agar-agar-cascara product and making same. K. Dieterich. No. 896,807; Aug. 25; Sp. p. 4062; Gaz. vol. 135; p. 1626.
 Agitating and aerating apparatus. L. C. Trent. No. 905,025; Nov. 24; Sp. p. 5137; Gaz. vol. 137; p. 115.
 Agitator and decanting filter, Combination. W. A. Hendryx. No. 899,489; Sept. 22; Sp. p. 4411; Dr. pp. 946-7; Gaz. vol. 136; p. 817.
 Agricultural implement. L. E. Waterman. No. 880,842; Mar. 3; Sp. p. 730; Dr. pp. 154-5; Gaz. vol. 133; p. 123.
 Agricultural implement. F. Klousnitzer. No. 881,080; Mar. 3; Sp. p. 1173; Dr. p. 253; Gaz. vol. 133; p. 200.
 Agricultural implement. J. Pierson, Jr. No. 904,498; Nov. 17; Sp. p. 4043; Gaz. vol. 137; p. 712.
 Agricultural implement. J. J. Fruecht and J. J. Zimmer. No. 905,808; Dec. 1; Sp. p. 1372; Gaz. vol. 137; p. 1209.
 Agricultural-implement fender. J. W. Raper. No. 893,371; July 14; Sp. p. 1968; Dr. p. 413; Gaz. vol. 135; p. 354.
 Agricultural implements, Guiding device for wheeled. G. E. Gordon. No. 879,864; Feb. 25; Sp. p. 4084; Dr. p. 856; Gaz. vol. 132; p. 1599.
 Agricultural implements, Riding attachment for. N. H. Bloom. No. 887,305; May 12; Sp. p. 1974; Dr. p. 415; Gaz. vol. 134; p. 347.
 Agricultural implements, Shield for. W. Volkmar. No. 893,767; July 21; Sp. p. 2902; Dr. p. 595; Gaz. vol. 135; p. 515.
 Agricultural implements, Steering mechanism for. M. Goodfellow. No. 887,624; May 12; Sp. p. 2618; Dr. p. 552; Gaz. vol. 134; p. 452.
 Agricultural-machine frame. P. Christiansson. No. 876,297; Jan. 7; Sp. p. 1211; Dr. p. 264; Gaz. vol. 132; p. 202.
 Agricultural products and the like, Drying apparatus for. H. von Schütz. No. 904,020; Nov. 17; Sp. p. 3014; Gaz. vol. 137; p. 549.
 Agricultural tractors or the like, Anchoring device for. J. E. W. Fillet. No. 901,799; Oct. 20; Sp. p. 3646; Dr. p. 738; Gaz. vol. 136; p. 1702.
 Aiming from cover, Device for. H. Geis. No. 880,378; Feb. 25; Sp. p. 5118; Dr. p. 1081; Gaz. vol. 132; p. 1768.
 Air and dust separator. W. S. Osborne. No. 880,161; Feb. 25; Sp. p. 4691; Dr. p. 988; Gaz. vol. 132; p. 1696.
 Air and gas compressor. F. Elder. No. 899,720; Sept. 29; Sp. p. 4900; Dr. pp. 1051-2; Gaz. vol. 136; p. 927.
 Air and gas compressor. H. L. Borchers. No. 905,640; Dec. 1; Sp. p. 1057; Gaz. vol. 137; p. 1153.
 Air and gas compressor, Hydraulic. G. P. Carroll. No. 883,696; Apr. 7; Sp. p. 22; Dr. pp. 5-6; Gaz. vol. 133; p. 1199.
 Air and gas engine. H. T. Dunn. No. 903,689; Nov. 10; Sp. p. 2318; Gaz. vol. 137; p. 407.
 Air and gases, Recuperator for heating. E. Gobbe. No. 907,336; Dec. 22; Sp. p. 4313; Gaz. vol. 137; p. 1794.
 Air, Apparatus for the liquefaction of. G. Claude. No. 881,176; Mar. 10; Sp. p. 1360; Dr. p. 293; Gaz. vol. 133; p. 261.
 Air, Apparatus for treating and heating. G. E. Hesse. No. 894,831; Aug. 4; Sp. p. 65; Dr. p. 13-14; Gaz. vol. 135; p. 910.
 Air-brake. W. V. Turner. No. 877,530; Jan. 28; Sp. p. 3782; Dr. p. 820; Gaz. vol. 32; p. 704.
 Air-brake. W. G. Pattee. No. 878,468; Feb. 4; Sp. p. 1149; Dr. p. 235; Gaz. vol. 132; p. 1038.
 Air-brake. W. V. Turner. No. 882,918; Mar. 24; Sp. p. 4833; Dr. p. 1026; Gaz. vol. 133; p. 889.
 Air-brake. W. A. Weant. No. 884,694; Apr. 14; Sp. p. 2105; Dr. p. 449; Gaz. vol. 133; p. 1555.
 Air-brake. J. B. Wright. No. 888,566; May 26; Sp. p. 4490; Dr. p. 951; Gaz. vol. 134; p. 822.
 Air-brake. J. B. Wright. No. 888,567; May 26; Sp. p. 4493; Dr. p. 952; Gaz. vol. 134; p. 823.

Alphabetical list of inventions—Continued.

- Air-brake. C. E. Shade. No. 888,853; May 26; Sp. p. 5099; Dr. p. 1087; Gaz. vol. 134; p. 915.
- Air-brake. G. W. McMunn and A. C. Howell. No. 899,318; Sept. 22; Sp. p. 4110; Dr. p. 879; Gaz. vol. 136; p. 762.
- Air-brake. A. A. St. Clair. No. 899,844; Sept. 29; Sp. p. 5176; Dr. pp. 1109-11; Gaz. vol. 136; p. 970.
- Air-brake. W. O. Mundy. (Reissue.) No. 12,863; Oct. 13; Sp. p. 2566; Dr. p. 528; Gaz. vol. 136; p. 1503.
- Air-brake. J. F. McElroy. No. 901,923; Oct. 20; Sp. p. 3862; Dr. p. 788; Gaz. vol. 136; p. 1741.
- Air-brake. W. P. Gentleman. No. 903,077; Nov. 3; Sp. p. 1097; Gaz. vol. 137; p. 178.
- Air-brake. W. R. Heironimus. No. 903,379; Nov. 10; Sp. p. 1678; Gaz. vol. 137; p. 307.
- Air-brake. W. V. Turner and R. H. Blackall. No. 907,200; Dec. 22; Sp. p. 4036; Gaz. vol. 137; p. 1746.
- Air-brake apparatus. H. F. Bickel. No. 878,601; Feb. 11; Sp. p. 1528; Dr. p. 312; Gaz. vol. 132; p. 1116.
- Air-brake apparatus. H. B. Miller. No. 891,780; June 23; Sp. p. 5271; Dr. p. 1141; Gaz. vol. 134; p. 1995.
- Air-brake apparatus. A. H. Geltz and L. L. Hosack. No. 892,148; June 30; Sp. p. 6016; Dr. pp. 1292-3; Gaz. vol. 134; p. 2145.
- Air-brake apparatus. C. E. Duffie. No. 907,686; Dec. 22; Sp. p. 5078; Gaz. vol. 137; p. 1910.
- Air-brake apparatus, Valve mechanism for. F. A. Pierce. No. 893,261; July 14; Sp. p. 1765; Dr. p. 372; Gaz. vol. 135; p. 318.
- Air-brake attachment and tripping mechanism therefor. G. P. Hanks. No. 881,796; Mar. 10; Sp. p. 2581; Dr. pp. 554-5; Gaz. vol. 133; p. 460.
- Air-brake, Compressed-. A. Chandeson. No. 884,864; Apr. 14; Sp. p. 1413; Dr. pp. 302-3; Gaz. vol. 133; p. 1446.
- Air-brake control mechanism. H. Rowntree. No. 890,931; June 16; Sp. p. 3535; Dr. p. 773; Gaz. vol. 134; p. 1682.
- Air-brake controlling means. G. Macloskie. No. 900,752; Oct. 13; Sp. p. 1448; Dr. p. 294; Gaz. vol. 136; p. 1323.
- Air-brake coupling. J. H. and J. R. Cole. No. 898,096; Sept. 8; Sp. p. 1766; Dr. p. 375; Gaz. vol. 136; p. 309.
- Air-brake coupling, Automatic. A. S. Evans. No. 894,127; July 21; Sp. p. 3643; Dr. p. 751; Gaz. vol. 135; p. 634.
- Air-brake equipment for cars. H. Rowntree. No. 890,932; June 16; Sp. p. 3540; Dr. p. 773; Gaz. vol. 134; p. 1682.
- Air-brake, lighting, and signaling system for railway-trains. W. C. Mayo and J. Houlehan. No. 879,397; Feb. 18; Sp. p. 3076; Dr. pp. 639-41; Gaz. vol. 132; p. 1413.
- Air-brake-operating device, Automatic. E. M. Cain. No. 882,372; Mar. 17; Sp. p. 3760; Dr. p. 801; Gaz. vol. 133; p. 678.
- Air-brake-pressure adjuster, Automatic. U. S. Smith. No. 883,917; Apr. 7; Sp. p. 497; Dr. p. 99; Gaz. vol. 133; p. 1272.
- Air-brake-pressure adjuster, Automatic. U. S. Smith. No. 892,561; July 7; Sp. p. 319; Dr. p. 70; Gaz. vol. 135; p. 60.
- Air-brake quick-action automatic release mechanism. J. E. Normand. No. 902,161; Oct. 27; Sp. p. 4368; Dr. pp. 884-5; Gaz. vol. 136; p. 1848.
- Air-brake quick-action automatic release mechanism. J. E. Normand. No. 902,162; Oct. 27; Sp. p. 4371; Dr. pp. 885-6; Gaz. vol. 136; p. 1848.
- Air-brake safety device. J. Judge. No. 897,748; Sept. 1; Sp. p. 1022; Dr. p. 217; Gaz. vol. 136; p. 165.
- Air-brake slack-adjuster. W. R. Heironimus. No. 903,378; Nov. 10; Sp. p. 1676; Gaz. vol. 137; p. 307.
- Air-brake system. U. S. Smith. No. 883,918; Apr. 7; Sp. p. 499; Dr. pp. 99-100; Gaz. vol. 133; p. 1272.
- Air-brake system. H. Rowntree. No. 890,930; June 16; Sp. p. 3529; Dr. p. 773; Gaz. vol. 134; p. 1681.
- Air-brake system. W. T. Crumpler and J. L. Crisler. No. 894,608; July 28; Sp. p. 4658; Dr. p. 967; Gaz. vol. 135; p. 812.
- Air-brake system. J. D. Nichol. No. 899,427; Sept. 22; Sp. p. 4296; Dr. p. 922; Gaz. vol. 136; p. 796.
- Air-brake system. B. Aikman. No. 900,639; Oct. 6; Sp. p. 1214; Dr. pp. 249-50; Gaz. vol. 136; p. 1259.
- Air-brake-system angle-cock. W. Bernerd. No. 904,502; Nov. 24; Sp. p. 4054; Gaz. vol. 137; p. 740.
- Air-brake-system, &c., cock-controller. V. J. Koehler. No. 907,248; Dec. 22; Sp. p. 4153; Gaz. vol. 137; p. 1764.
- Air-brake system, Electrically-operated. W. C. Mayo. No. 897,218; Aug. 25; Sp. p. 4904; Dr. pp. 1045-6; Gaz. vol. 135; p. 1760.
- Air-brake systems, Angle-cock for. J. Fallon. No. 893,614; July 21; Sp. p. 2517; Dr. p. 524; Gaz. vol. 135; p. 463.
- Air-brake systems, Automatic coupling for. B. J. Morgan. No. 892,406; Mar. 17; Sp. p. 3811; Dr. p. 814; Gaz. vol. 133; p. 688.
- Air-brake systems, Safety-valve for water systems in connection with. W. D. Scott. No. 882,271; Mar. 17; Sp. p. 3577; Dr. p. 759; Gaz. vol. 133; p. 644.
- Air-brake systems, Valve mechanism for railway. J. E. Normand. No. 902,163; Oct. 27; Sp. p. 4377; Dr. pp. 886-7; Gaz. vol. 136; p. 1848.
- Air-brake systems, Warning-signal for. B. Brill, Jr. No. 893,605; July 21; Sp. p. 2493; Dr. p. 520; Gaz. vol. 135; p. 460.
- Air-brake valve. D. S. Affleck. No. 897,696; Sept. 1; Sp. p. 924; Dr. p. 196; Gaz. vol. 136; p. 148.
- Air-brake valve, Safety. T. Behan. (Reissue.) No. 12,758; Mar. 10; Sp. p. 2782; Dr. p. 597; Gaz. vol. 133; p. 491.
- Air-brakes, Automatic drain-cock for. F. W. Adams. No. 891,808; June 30; Sp. p. 5353; Dr. p. 1159; Gaz. vol. 134; p. 2035.
- Air-brakes, Automatic pressure retaining and graduating release device for. E. B. Hillman and L. E. Roberts. No. 876,876; Jan. 14; Sp. p. 2410; Dr. pp. 825-6; Gaz. vol. 132; p. 425.
- Air-brakes, Electrical appliance for controlling. J. G. and W. H. Pearce. No. 888,648; May 26; Sp. p. 4656; Dr. pp. 988-9; Gaz. vol. 134; p. 850.
- Air-brakes, High-speed-reducing valve for. W. V. Turner. No. 902,182; Oct. 27; Sp. p. 4417; Dr. p. 895; Gaz. vol. 136; p. 1855.
- Air-brakes, High-speed-reducing valve for. W. V. Turner and J. S. Custer. No. 902,183; Oct. 27; Sp. p. 4420; Dr. p. 896; Gaz. vol. 136; p. 1855.
- Air-compressor. L. C. Trent. No. 878,579; Feb. 11; Sp. p. 1484; Dr. p. 301; Gaz. vol. 132; p. 1109.
- Air-compressor. G. F. Hall and B. Albertson. No. 880,731; Mar. 3; Sp. p. 481; Dr. pp. 102-3; Gaz. vol. 133; p. 84.
- Air-compressor. J. Sturgess. No. 881,498; Mar. 10; Sp. p. 2006; Dr. p. 437; Gaz. vol. 133; p. 364.
- Air-compressor. T. Simpson and T. Lishman. No. 885,877; Apr. 28; Sp. p. 4542; Dr. p. 953; Gaz. vol. 133; p. 1999.
- Air-compressor. F. B. Babbe. No. 887,571; May 12; Sp. p. 2527; Dr. p. 532; Gaz. vol. 134; p. 436.
- Air-compressor. C. P. Tolman. No. 888,553; May 26; Sp. p. 4459; Dr. p. 945; Gaz. vol. 134; p. 817.
- Air-compressor. J. Jr., and J. Thornton. No. 892,098; June 30; Sp. p. 5100; Dr. p. 1270; Gaz. vol. 134; p. 2128.
- Air-compressor. F. W. Parsons. No. 898,389; Sept. 8; Sp. p. 2307; Dr. p. 430; Gaz. vol. 136; p. 401.
- Air-compressor. W. G. Wilson. No. 900,814; Oct. 13; Sp. p. 1594; Dr. p. 322; Gaz. vol. 136; p. 1345.
- Air-compressor. H. J. Horstmann. No. 901,344; Oct. 20; Sp. p. 2636; Dr. pp. 542-3; Gaz. vol. 136; p. 1549.
- Air-compressor. T. O. Parry. No. 901,555; Oct. 20; Sp. p. 3121; Dr. p. 639; Gaz. vol. 136; p. 1622.
- Air-compressor, &c. I. Patrick. No. 904,219; Nov. 17; Sp. p. 3440; Gaz. vol. 137; p. 619.
- Air-compressor. H. E. Bailey. No. 904,294; Nov. 17; Sp. p. 3616; Gaz. vol. 137; p. 644.
- Air-compressor. C. Neumann. No. 907,899; Dec. 29; Sp. p. 5417; Gaz. vol. 137; p. 1996.
- Air-compressor, Compound. N. A. Christensen. No. 880,125; Feb. 25; Sp. p. 4610; Dr. p. 972; Gaz. vol. 132; p. 1684.
- Air-compressor, Electric. N. M. Watson. No. 878,260; Feb. 4; Sp. p. 751; Dr. p. 151; Gaz. vol. 132; p. 909.
- Air-compressor, Hydraulic. R. I. Blakney. No. 880,187; Feb. 25; Sp. p. 4738; Dr. p. 1003; Gaz. vol. 132; p. 1705.
- Air-compressor, Hydraulic. J. H. Champ. No. 883,936; Apr. 7; Sp. p. 539; Dr. p. 107; Gaz. vol. 133; p. 1278.
- Air-compressor, Hydraulic. C. H. Taylor. No. 892,772; July 7; Sp. p. 745; Dr. pp. 157-8; Gaz. vol. 135; p. 129.
- Air-compressor, Hydraulic. P. Bernstein. No. 893,222; July 14; Sp. p. 1690; Dr. p. 357; Gaz. vol. 135; p. 305.
- Air-compressor, Multiple-stage. J. G. Leyner. No. 901,539; Oct. 20; Sp. p. 3094; Dr. pp. 632-3; Gaz. vol. 136; p. 1617.
- Air-compressor or pump. W. H. Tew. No. 879,213; Feb. 18; Sp. p. 2713; Dr. pp. 565-6; Gaz. vol. 132; p. 1353.
- Air-compressor or vacuum-pump. E. Gaucher. No. 895,084; Aug. 4; Sp. p. 612; Dr. p. 127; Gaz. vol. 135; p. 996.
- Air-compressor, Rotary. G. F. Burton. No. 899,027; Sept. 22; Sp. p. 3535; Dr. pp. 756-7; Gaz. vol. 136; p. 668.
- Air-conveyer, Rotary. S. J. Everts and J. E. Burris. No. 905,861; Dec. 8; Sp. p. 1486; Gaz. vol. 137; p. 1256.
- Air-conveyer. E. Norton. No. 898,775; Sept. 15; Sp. p. 3073; Dr. p. 658; Gaz. vol. 136; p. 558.
- Air-cooling and humidifying apparatus. J. Kelly. No. 890,516; June 9; Sp. p. 2649; Dr. p. 585; Gaz. vol. 134; p. 1513.
- Air-cooling and utilizing apparatus. C. S. Bavier. No. 907,559; Dec. 22; Sp. p. 4743; Gaz. vol. 137; p. 1866.
- Air-cooling apparatus. C. Chase. No. 895,962; Aug. 11; Sp. p. 2379; Dr. p. 509; Gaz. vol. 135; p. 1307.
- Air-cooling device. G. W. Haverstick. No. 905,874; Dec. 8; Sp. p. 1506; Gaz. vol. 137; p. 1261.
- Air-cushion block, Compressed-. C. C. De Witt. No. 886,193; Apr. 28; Sp. p. 5185; Dr. p. 1091; Gaz. vol. 133; p. 2103.
- Air, Drying. L. Block. No. 903,353; Nov. 10; Sp. p. 1630; Gaz. vol. 137; p. 299.
- Air for many purposes, Automatic apparatus for supplying. W. Hooker. No. 893,733; July 21; Sp. p. 2833; Dr. p. 582; Gaz. vol. 135; p. 504.
- Air from siphons of sluices and the like, Device for exhausting. C. Havestadt. No. 902,077; Oct. 27; Sp. p. 4202; Dr. p. 852; Gaz. vol. 136; p. 1821.
- Air-heating furnace. D. S. Richardson. No. 893,197; July 14; Sp. p. 1643; Dr. p. 346; Gaz. vol. 135; p. 297.
- Air, Humidifying. W. G. R. Braemer. No. 905,143; Dec. 1; Sp. p. 30; Gaz. vol. 137; p. 989.
- Air inlet, Fresh-. J. L. Fruin and J. J. Crotty. No. 887,322; May 12; Sp. p. 2022; Dr. p. 423; Gaz. vol. 134; p. 354.
- Air-liquefying apparatus. J. F. Place. No. 895,192; Aug. 4; Sp. p. 827; Dr. pp. 174-5; Gaz. vol. 135; p. 1032.
- Air, Means for observing dust-laden currents of. D. T. Kenney. No. 907,694; Dec. 22; Sp. p. 6097; Gaz. vol. 137; p. 1913.
- Air moistener and evaporator. O. R. Rice. No. 902,835; Nov. 3; Sp. p. 609; Gaz. vol. 137; p. 103.
- Air-motor. L. B. Doman. No. 881,885; Mar. 10; Sp. p. 2779; Dr. pp. 596-7; Gaz. vol. 133; p. 491.
- Air of living-rooms, Apparatus for therapeutic treatment of. F. Batter. No. 904,172; Nov. 17; Sp. p. 3346; Gaz. vol. 137; p. 602.
- Air or gas compressor system. H. Keller. No. 883,888; Apr. 7; Sp. p. 441; Dr. p. 87; Gaz. vol. 133; p. 1262.
- Air or other gases, Treating materials by the action of. J. E. Greenawalt. No. 904,060; Nov. 17; Sp. p. 3098; Gaz. vol. 137; p. 562.
- Air-pipe automatic coupling. C. W. Sheeler. No. 906,570; Dec. 15; Sp. p. 2814; Gaz. vol. 137; p. 1510.

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- Air-purifier. W. G. R. Braemer. No. 908,388; Dec. 29; Sp. p. 6548; Gaz. vol. 137; p. 2175.
 Air, Purifying and humidifying. W. G. R. Braemer. No. 903,150; Nov. 3; Sp. p. 1223; Gaz. vol. 137; p. 201.
 Air-purifying and humidifying apparatus. W. G. R. Braemer. No. 899,289; Sept. 22; Sp. p. 4056; Dr. p. 867; Gaz. vol. 136; p. 753.
 Air-purifying apparatus. J. H. Kinealy. No. 879,273; Feb. 18; Sp. p. 2822; Dr. p. 591; Gaz. vol. 132; p. 1373.
 Air-purifying apparatus. W. G. R. Braemer. No. 885,137; Apr. 21; Sp. p. 3018; Dr. pp. 636-7; Gaz. vol. 133; p. 1730.
 Air-purifying composition. H. Ryder and L. C. Wilson. No. 907,180; Dec. 22; Sp. p. 3980; Gaz. vol. 137; p. 1739.
 Air regenerating and purifying apparatus. S. S. Hall and O. Rees. No. 896,447; Aug. 18; Sp. p. 3316; Dr. pp. 713-14; Gaz. vol. 135; p. 1485.
 Air-rifle, &c. H. A. C. Schobbert. No. 906,309; Dec. 8; Sp. p. 2341; Gaz. vol. 137; p. 1402.
 Air-sander. W. Hughes. No. 892,426; July 7; Sp. p. 66; Dr. pp. 15-16; Gaz. vol. 135; p. 15.
 Air-self-coupling. B. F. Sweeney. No. 901,660; Oct. 20; Sp. p. 3323; Dr. p. 682; Gaz. vol. 136; p. 1654.
 Air-separator. G. S. Emerick. No. 877,557; Jan. 28; Sp. p. 3854; Dr. p. 834; Gaz. vol. 132; p. 713.
 Air-shield. J. H. Koons. No. 888,097; May 19; Sp. p. 3559; Dr. pp. 745-6; Gaz. vol. 134; p. 637.
 Air-ship. W. C. Dunn. No. 877,307; Jan. 21; Sp. p. 3345; Dr. p. 725; Gaz. vol. 132; p. 610.
 Air-ship. P. T. Tkatzschenko. No. 877,529; Jan. 28; Sp. p. 3781; Dr. p. 819; Gaz. vol. 132; p. 704.
 Air-ship. E. F. Leeds. No. 879,779; Feb. 18; Sp. p. 3872; Dr. pp. 811-12; Gaz. vol. 132; p. 1538.
 Air-ship. J. W. Montgomery. No. 881,327; Mar. 10; Sp. p. 1666; Dr. pp. 357-8; Gaz. vol. 133; p. 310.
 Air-ship. J. C. Sandrik. No. 888,267; May 19; Sp. p. 3868; Dr. pp. 813-14; Gaz. vol. 134; p. 693.
 Air-ship. G. Bold. No. 888,301; May 19; Sp. p. 3939; Dr. p. 829; Gaz. vol. 134; p. 703.
 Air-ship. S. Lake. No. 889,693; June 2; Sp. p. 989; Dr. pp. 228-30; Gaz. vol. 134; p. 1218.
 Air-ship. O. C. Olsen. No. 895,672; Aug. 11; Sp. p. 1792; Dr. pp. 380-1; Gaz. vol. 135; p. 1214.
 Air-ship. A. R. Silverston. No. 900,041; Sept. 29; Sp. p. 5605; Dr. pp. 1196-7; Gaz. vol. 136; p. 1034.
 Air-ship, Dirigible. H. L. Malécot. No. 897,000; Aug. 25; Sp. p. 4494; Dr. pp. 959-60; Gaz. vol. 135; p. 1690.
 Air-ship, Dirigible. R. C. White. No. 906,842; Dec. 15; Sp. p. 3329; Gaz. vol. 137; p. 1596.
 Air-ship, Self-propelled. G. Purn. No. 906,559; Dec. 15; Sp. p. 2796; Gaz. vol. 137; p. 1507.
 Air-ships, Controlling. M. Schiavone. No. 897,666; Sept. 1; Sp. p. 862; Dr. pp. 184-6; Gaz. vol. 136; p. 138.
 Air, steam, and signal coupling. E. B. Witte. No. 906,981; Dec. 15; Sp. p. 3557; Gaz. vol. 137; p. 1639.
 Air, Treating and heating. G. E. Hesse. No. 894,830; Aug. 4; Sp. p. 62; Dr. p. 13; Gaz. vol. 135; p. 910.
 Air-treatment apparatus, Fresh-. L. P. Leonard. No. 879,391; Feb. 18; Sp. p. 3065; Dr. p. 638; Gaz. vol. 132; p. 1411.
 Air-washing apparatus. L. Narowetz. No. 907,633; Dec. 22; Sp. p. 4939; Gaz. vol. 137; p. 1891.
 Air-washing apparatus. L. Narowetz. No. 907,634; Dec. 22; Sp. p. 4941; Gaz. vol. 137; p. 1891.
 Alarm: See Boiler-alarm; Boiler-pressure alarm; Burglar-alarm; Burglar and fire alarm; Drawer-alarm; Electric alarm; Electric time-alarm; Fire-alarm; Fire and temperature alarm; Incubator-alarm; Letter-box alarm; Lock-alarm; Low-water alarm; Overflow-alarm; Paper-feed-carriage alarm; Railway-alarm; Railway-crossing alarm; Switch-alarm; Tank-alarm; Telephone-alarm; Water-alarm.
 Alarm. H. Irwin. No. 883,025; Mar. 24; Sp. p. 5034; Dr. p. 1072; Gaz. vol. 133; p. 924.
 Alarm. E. Pfeifer. No. 894,284; July 28; Sp. p. 4000; Dr. p. 826; Gaz. vol. 135; p. 706.
 Alarm. J. A. Robinson. No. 898,992; Sept. 15; Sp. p. 3459; Dr. p. 741; Gaz. vol. 136; p. 629.
 Alarm. T. E. H. Buchanan. No. 900,145; Oct. 6; Sp. p. 151; Dr. p. 32; Gaz. vol. 136; p. 1097.
 Alarm device. G. W. MacKenzie. No. 891,627; June 23; Sp. p. 4961; Dr. p. 1070; Gaz. vol. 134; p. 1942.
 Alarm-gage. H. B. Presser. No. 885,289; Apr. 21; Sp. p. 3334; Dr. p. 696; Gaz. vol. 133; p. 1780.
 Alarm-signal. T. N. Burke. No. 906,609; Dec. 15; Sp. p. 2885; Gaz. vol. 137; p. 1522.
 Alarm-signal mechanism. E. E. Flora and R. J. Zorge. No. 890,349; June 9; Sp. p. 2339; Dr. pp. 516-17; Gaz. vol. 134; p. 1460.
 Alarm-switch. A. C. Saxe. No. 890,377; June 9; Sp. p. 2394; Dr. p. 528; Gaz. vol. 134; p. 1468.
 Alarm-switch, Friction-held. F. R. Alford. No. 903,125; Nov. 3; Sp. p. 1182; Gaz. vol. 137; p. 193.
 Alarm system and apparatus. J. M. Latimer. No. 896,839; Aug. 25; Sp. p. 4135; Dr. pp. 886-7; Gaz. vol. 135; p. 1637.
 Alarm system, Automatic. J. E. Shepherd. No. 884,047; Apr. 7; Sp. p. 765; Dr. p. 159; Gaz. vol. 133; p. 1315.
 Alarm system, Electric theft-. J. J. O'Connor. No. 883,335; Mar. 31; Sp. p. 5664; Dr. pp. 1209-10; Gaz. vol. 133; p. 1055.
 Alarm system, Signal. O. C. Kaiser. No. 876,192; Jan. 7; Sp. p. 980; Dr. p. 212; Gaz. vol. 132; p. 167.
 Alarm transmission. J. M. Latimer. No. 896,840; Aug. 25; Sp. p. 4138; Dr. p. 887; Gaz. vol. 135; p. 1638.
 Alarm-whistle. J. Gordon, Jr. No. 894,321; July 23; Sp. p. 4077; Dr. p. 842; Gaz. vol. 135; p. 718.
 Album. R. Krumming. No. 880,311; Feb. 25; Sp. p. 4991; Dr. p. 1053; Gaz. vol. 132; p. 1746.
 Album. W. Thompson. No. 897,679; Sept. 1; Sp. p. 885; Dr. p. 189; Gaz. vol. 136; p. 142.
 Album, Autograph-. H. A. Stiles. No. 881,739; Mar. 10; Sp. p. 2477; Dr. p. 533; Gaz. vol. 133; p. 442.
 Album, Photograph-. E. W. Peterson. No. 890,794; June 16; Sp. p. 3265; Dr. p. 715; Gaz. vol. 134; p. 1639.
 Albumin for the production of an article of manufacture useful in the arts and a product, Treating vegetable. F. G. Wiechmann. No. 883,995; Apr. 7; Sp. p. 666; Gaz. vol. 133; p. 1298.
 Albumin preparations, Manufacturing blood-. A. Langer. No. 884,025; Apr. 7; Sp. p. 725; Gaz. vol. 133; p. 1308.
 Albuminoids and the composition of matter produced therefrom, Treating. M. R. Isaacs. No. 879,967; Feb. 25; Sp. p. 4305; Gaz. vol. 132; p. 1634.
 Alcohol and chloroform, Preparing wood-. H. O. Chute. No. 893,784; July 21; Sp. p. 2934; Gaz. vol. 135; p. 521.
 Alcohol from liquor casks and barrels, Apparatus for recovering waste. T. H. Naughton. No. 892,006; June 30; Sp. p. 5749; Dr. p. 1236; Gaz. vol. 134; p. 2099.
 Alcohol from liquor casks and barrels, Recovering waste. T. H. Naughton. No. 892,005; June 30; Sp. p. 5747; Dr. p. 1236; Gaz. vol. 134; p. 2099.
 Alcoholic liquid, Rectifying of. E. Guillaume. No. 887,793; May 19; Sp. p. 2963; Dr. p. 623; Gaz. vol. 134; p. 538.
 Aldehyde sulfoxylates, Production of. M. Bazlen. No. 885,566; Apr. 21; Sp. p. 3913; Gaz. vol. 133; p. 1868.
 Aldehyde sulfoxylates, Production of. F. Becker. No. 885,567; Apr. 21; Sp. p. 3916; Gaz. vol. 133; p. 1868.
 Ale dispenser, Automatic ginger-. J. H. Earl. No. 880,370; Feb. 25; Sp. p. 5094; Dr. p. 1077; Gaz. vol. 132; p. 1765.
 Alfalfa-disk. L. E. Waterman. No. 903,119; Nov. 3; Sp. p. 1170; Gaz. vol. 137; p. 191.
 Alining means. A. E. Salisbury. No. 876,097; Jan. 7; Sp. p. 803; Dr. p. 172; Gaz. vol. 132; p. 136.
 Alizarin, Making. J. H. Boner. No. 885,577; Apr. 21; Sp. p. 3926; Gaz. vol. 133; p. 1871.
 Alkali hydroxids, Making. P. B. and S. P. Sadtler. No. 877,376; Jan. 21; Sp. p. 3468; Gaz. vol. 132; p. 632.
 Alkaline deposits for recovering soda, &c., Treating. J. C. W. Stanley. No. 900,892; Oct. 13; Sp. p. 1750; Dr. p. 354; Gaz. vol. 136; p. 1368.
 Alloy. W. J. Leddell. No. 901,014; Oct. 13; Sp. p. 2004; Gaz. vol. 136; p. 1409.
 Alloy. G. H. Clamer and J. G. Hendrickson. (Reissue.) No. 12,880; Nov. 17; Sp. p. 4044; Gaz. vol. 137; p. 712.
 Alloy. W. Rübel. No. 906,937; Dec. 15; Sp. p. 3518; Gaz. vol. 137; p. 1627.
 Alloy, Aluminum. W. Gosmann. No. 886,597; May 5; Sp. p. 506; Gaz. vol. 134; p. 90.
 Alloy for bearing metals. E. A. Touceda. No. 897,431; Sept. 1; Sp. p. 395; Gaz. vol. 136; p. 61.
 Alloys, Electrodeposition of. S. O. Cowper-Coles. No. 895,189; Sept. 8; Sp. p. 1947; Gaz. vol. 136; p. 338.
 Alloys or compounds of copper and titanium, Producing. A. J. Rossi. (Reissue.) No. 12,764; Mar. 17; Sp. p. 4088; Gaz. vol. 133; p. 736.
 Alloys or mixtures of metals with purifying or seasoning elements, Producing. A. J. Rossi. No. 877,518; Jan. 28; Sp. p. 3762; Gaz. vol. 132; p. 701.
 Alloys, Producing aluminum-magnesium. F. von Kügelgen and G. O. Seward. No. 881,934; Mar. 17; Sp. p. 2901; Dr. p. 619; Gaz. vol. 133; p. 536.
 Alloys, Producing ferro. F. M. Becket. No. 893,173; Sept. 8; Sp. p. 1922; Gaz. vol. 136; p. 333.
 Alloys, Producing low-carbon. F. M. Becket. No. 892,211; June 30; Sp. p. 6140; Dr. p. 1323; Gaz. vol. 134; p. 2166.
 Alloys, Producing low-carbon ferro. E. F. Price. No. 886,858; May 5; Sp. p. 1053; Gaz. vol. 134; p. 173.
 Alloying tungsten, molybdenum, &c., with iron and steel. P. Kemery. No. 887,648; May 12; Sp. p. 2673; Dr. p. 564; Gaz. vol. 134; p. 460.
 Alpha-oxythienaphthenes, Making. B. Homolka and R. Welde. No. 894,004; July 21; Sp. p. 3394; Gaz. vol. 135; p. 593.
 Alternator, Inductor magneto. L. Le Pontois. No. 902,499; Oct. 27; Sp. p. 5108; Dr. p. 1034; Gaz. vol. 136; p. 1960.
 Alternator, Self-excited. E. F. W. Alexanderson. No. 881,647; Mar. 10; Sp. p. 2307; Dr. p. 499; Gaz. vol. 133; p. 415.
 Alumina and silica, Composition of matter containing. F. J. Tone. No. 906,339; Dec. 8; Sp. p. 2401; Gaz. vol. 137; p. 1412.
 Aluminate, Manufacture of. O. Dieffenbach. No. 891,677; June 23; Sp. p. 5081; Dr. p. 1097; Gaz. vol. 134; p. 1960.
 Aluminium and other metals, Liberating. H. S. Blackmore. No. 881,049; Mar. 3; Sp. p. 1112; Dr. p. 241; Gaz. vol. 133; p. 190.
 Aluminium and other metals, Reducing. H. S. Blackmore. No. 886,757; May 5; Sp. p. 867; Dr. p. 180; Gaz. vol. 134; p. 143.
 Aluminium nitrids, Producing. O. Serpek. No. 888,044; May 19; Sp. p. 3460; Gaz. vol. 134; p. 621.
 Aluminium or other metals from their compounds, Winning. H. S. Blackmore. No. 889,098; May 26; Sp. p. 5583; Dr. p. 1184; Gaz. vol. 134; p. 994.
 Aluminium oxid, Production of. F. W. Morris. No. 890,084; June 9; Sp. p. 1776; Gaz. vol. 134; p. 1373.
 Aluminium oxids, Manufacturing and treating composite. M. Buchner. No. 883,286; Mar. 31; Sp. p. 5579; Gaz. vol. 133; p. 1041.
 Aluminium solder. W. H. Finrock. No. 901,607; Oct. 20; Sp. p. 3222; Gaz. vol. 136; p. 1638.

Alphabetical list of inventions—Continued.

- Aluminous materials, Treating. L. E. Saunders and J. G. Petrikin. No. 902,255; Oct. 27; Sp. p. 4561; Dr. p. 926; Gaz. vol. 136; p. 1877.
- Aluminum solder. T. J. and R. Wibron. No. 900,810; Oct. 13; Sp. p. 1585; Gaz. vol. 136; p. 1343.
- Aluminum solder. H. B. Lambert. No. 906,637; Dec. 15; Sp. p. 2940; Gaz. vol. 137; p. 1531.
- Amalgam fillings, Anchor for contour. F. W. Linnert. No. 880,896; Mar. 3; Sp. p. 840; Dr. p. 179; Gaz. vol. 133; p. 142.
- Amalgam for use in coating glass to form mirrors. J. Laval. No. 892,435; July 7; Sp. p. 88; Gaz. vol. 135; p. 19.
- Amalgam-press. A. J. Leveque. No. 890,913; June 16; Sp. p. 3491; Dr. p. 765; Gaz. vol. 134; p. 1676.
- Amalgams or alloys, Producing. C. F. Carrier, Jr. No. 895,159; Aug. 4; Sp. p. 759; Dr. pp. 158-9; Gaz. vol. 135; p. 1021.
- Amalgamating apparatus. F. D. Fenn. No. 887,319; May 12; Sp. p. 2017; Dr. p. 422; Gaz. vol. 134; p. 353.
- Amalgamator. J. S. Marquette. No. 879,825; Feb. 18; Sp. p. 3973; Dr. pp. 831-2; Gaz. vol. 132; p. 1554.
- Amalgamator. J. M. Barnes. No. 879,999; Feb. 25; Sp. p. 4360; Dr. p. 914; Gaz. vol. 132; p. 1644.
- Amalgamator. J. P. McGinn. No. 883,117; Mar. 24; Sp. p. 5221; Dr. pp. 114-15; Gaz. vol. 133; p. 955.
- Amalgamator. H. I. Seemann. No. 884,299; Apr. 7; Sp. p. 1273; Dr. p. 269; Gaz. vol. 133; p. 1396.
- Amalgamator. F. B. Sanford. No. 887,699; May 12; Sp. p. 2757; Dr. p. 582; Gaz. vol. 134; p. 477.
- Amalgamator. W. C. Bourdette. No. 889,099; May 26; Sp. p. 5593; Dr. pp. 1184-5; Gaz. vol. 134; p. 995.
- Amalgamator. E. C. Ziegler. No. 890,010; June 9; Sp. p. 1627; Dr. p. 364; Gaz. vol. 134; p. 1348.
- Amalgamator. E. Stevens. No. 896,169; Aug. 18; Sp. p. 2754; Dr. pp. 592-3; Gaz. vol. 135; p. 1394.
- Amalgamator. B. F. Geiger. No. 897,975; Sept. 8; Sp. p. 1528; Dr. p. 825; Gaz. vol. 136; p. 270.
- Amalgamator. F. Stringham. No. 900,965; Oct. 13; Sp. p. 1908; Dr. p. 388; Gaz. vol. 136; p. 1392.
- Amalgamator. W. F. Bedell. No. 907,443; Dec. 22; Sp. p. 4539; Gaz. vol. 137; p. 1830.
- Ammonia apparatus. J. Robson. No. 883,487; Mar. 31; Sp. p. 6005; Dr. pp. 1281-3; Gaz. vol. 133; p. 1107.
- Ammonia, Manufacturing. F. W. Frerichs. No. 905,415; Dec. 1; Sp. p. 570; Gaz. vol. 137; p. 1081.
- Ammonia, Producing. O. Serpek. No. 884,423; Apr. 14; Sp. p. 1519; Gaz. vol. 133; p. 1466.
- Ammonium chlorid, Manufacturing. A. G. French. No. 882,460; Mar. 17; Sp. p. 3905; Gaz. vol. 133; p. 706.
- Ammonium chlorid, Producing. E. Naumann. No. 892,178; June 30; Sp. p. 6073; Gaz. vol. 134; p. 2156.
- Ammunition-hoist control. J. D. Ihlder. No. 879,387; Feb. 18; Sp. p. 3055; Dr. p. 636; Gaz. vol. 132; p. 1410.
- Ammunition-vehicle. W. Mayer. No. 896,560; Aug. 18; Sp. p. 3547; Dr. p. 762; Gaz. vol. 135; p. 1523.
- Amusement apparatus. H. Hill. No. 879,872; Feb. 25; Sp. p. 4094; Dr. pp. 858-9; Gaz. vol. 132; p. 1601.
- Amusement apparatus. G. Lacomme. No. 880,673; Mar. 3; Sp. p. 366; Dr. p. 80; Gaz. vol. 133; p. 64.
- Amusement apparatus. W. H. Vance. No. 881,505; Mar. 10; Sp. p. 2019; Dr. pp. 440-1; Gaz. vol. 133; p. 367.
- Amusement apparatus. H. N. Ridgway. No. 883,485; Mar. 31; Sp. p. 6002; Dr. p. 1280; Gaz. vol. 133; p. 1106.
- Amusement apparatus. H. N. Ridgway. No. 883,568; Mar. 31; Sp. p. 6170; Dr. pp. 1312-13; Gaz. vol. 133; p. 1130.
- Amusement apparatus. H. N. Ridgway. No. 884,045; Apr. 7; Sp. p. 762; Dr. p. 159; Gaz. vol. 133; p. 1314.
- Amusement apparatus. W. H. Bryant. No. 884,462; Apr. 14; Sp. p. 1602; Dr. pp. 345-6; Gaz. vol. 133; p. 1478.
- Amusement apparatus. C. C. Langsdorf. No. 886,614; May 5; Sp. p. 535; Dr. p. 114; Gaz. vol. 134; p. 95.
- Amusement apparatus. C. A. Carlson. No. 886,762; May 5; Sp. p. 885; Dr. p. 183; Gaz. vol. 134; p. 145.
- Amusement apparatus. J. Henzi. No. 887,803; May 19; Sp. p. 2992; Dr. p. 628; Gaz. vol. 134; p. 542.
- Amusement apparatus. A. Malsin. No. 889,472; June 2; Sp. p. 578; Dr. p. 135; Gaz. vol. 134; p. 1148.
- Amusement apparatus. E. E. Quaintance. No. 894,984; Aug. 4; Sp. p. 423; Dr. pp. 86-7; Gaz. vol. 135; p. 963.
- Amusement apparatus. E. Mayette. No. 896,407; Aug. 18; Sp. p. 3242; Dr. p. 695; Gaz. vol. 135; p. 1473.
- Amusement apparatus. C. I. Matson. No. 897,121; Aug. 25; Sp. p. 4737; Dr. p. 1009; Gaz. vol. 135; p. 1731.
- Amusement apparatus. P. and J. Braen. No. 897,710; Sept. 1; Sp. p. 949; Dr. p. 203; Gaz. vol. 136; p. 152.
- Amusement apparatus. A. Malsin. No. 898,056; Sept. 8; Sp. p. 1693; Dr. p. 359; Gaz. vol. 136; p. 296.
- Amusement apparatus. J. Z. Levy. No. 899,172; Sept. 22; Sp. p. 3820; Dr. p. 818; Gaz. vol. 136; p. 716.
- Amusement apparatus. C. H. Gueritey. No. 902,073; Oct. 27; Sp. p. 4198; Dr. p. 850; Gaz. vol. 136; p. 1820.
- Amusement apparatus. E. Marder. No. 903,211; Nov. 10; Sp. p. 1358; Gaz. vol. 137; p. 252.
- Amusement apparatus. G. C. Tildon. No. 903,632; Nov. 10; Sp. p. 2210; Gaz. vol. 137; p. 390.
- Amusement apparatus. J. A. McDonagh and J. H. Reynolds. No. 906,732; Dec. 15; Sp. p. 3124; Gaz. vol. 137; p. 1562.
- Amusement apparatus of the gravity-railway type. R. H. Bishop and W. Down. No. 896,430; Aug. 18; Sp. p. 3288; Dr. pp. 706-7; Gaz. vol. 135; p. 1480.
- Amusement apparatus, Public. W. Taylor. No. 896,481; Aug. 18; Sp. p. 3396; Dr. p. 731; Gaz. vol. 135; p. 1498.
- Amusement-car-handling device. A. P. Biavati. No. 895,946; Aug. 11; Sp. p. 2339; Dr. p. 501; Gaz. vol. 135; p. 1302.
- Amusement device. F. J. Johnston. No. 878,406; Feb. 4; Sp. p. 1025; Dr. p. 207; Gaz. vol. 132; p. 1016.
- Amusement device. J. Wunner. No. 878,708; Feb. 11; Sp. p. 1723; Dr. pp. 356-7; Gaz. vol. 132; p. 1150.
- Amusement device. C. I. Enoch. No. 879,615; Feb. 18; Sp. p. 3561; Dr. pp. 744-5; Gaz. vol. 132; p. 1484.
- Amusement device. F. K. Wilson. No. 880,769; Mar. 3; Sp. p. 566; Dr. pp. 120-1; Gaz. vol. 133; p. 98.
- Amusement device. P. T. Johnson. No. 881,002; Mar. 3; Sp. p. 1026; Dr. p. 222; Gaz. vol. 133; p. 175.
- Amusement device. C. B. Post. No. 881,150; Mar. 10; Sp. p. 1315; Dr. p. 284; Gaz. vol. 133; p. 254.
- Amusement device. W. S. Van Sant. No. 881,637; Mar. 10; Sp. p. 2287; Dr. pp. 495-6; Gaz. vol. 133; p. 411.
- Amusement device. A. G. Andrews. No. 883,441; Mar. 31; Sp. p. 5920; Dr. pp. 1263-4; Gaz. vol. 133; p. 1092.
- Amusement device. H. N. Ridgway. No. 883,484; Mar. 31; Sp. p. 6000; Dr. p. 1280; Gaz. vol. 133; p. 1106.
- Amusement device. A. J. Northcraft. No. 884,340; Apr. 7; Sp. p. 1348; Dr. p. 288; Gaz. vol. 133; p. 1409.
- Amusement device. H. O. Neebe. No. 886,627; May 5; Sp. p. 561; Dr. p. 118; Gaz. vol. 134; p. 99.
- Amusement device. E. M. Fraser. No. 887,082; May 12; Sp. p. 1486; Dr. p. 315; Gaz. vol. 134; p. 273.
- Amusement device. F. Johnson. No. 887,812; May 19; Sp. p. 3008; Dr. p. 632; Gaz. vol. 134; p. 545.
- Amusement device. J. De la Mar. No. 888,246; May 19; Sp. p. 3830; Dr. p. 804; Gaz. vol. 134; p. 685.
- Amusement device. W. P. Dameron. No. 890,558; June 9; Sp. p. 2729; Dr. pp. 603-4; Gaz. vol. 134; p. 1527.
- Amusement device. A. Visser and H. Grote. No. 891,388; June 23; Sp. p. 4467; Dr. pp. 972-3; Gaz. vol. 134; p. 1864.
- Amusement device. S. E. Chapman and C. D. Cromley. No. 891,793; June 23; Sp. p. 5301; Dr. pp. 1147-8; Gaz. vol. 134; p. 1999.
- Amusement device. F. W. Murphy. No. 892,070; June 30; Sp. p. 5860; Dr. pp. 1261-2; Gaz. vol. 134; p. 2119.
- Amusement device. O. Henrichsen. No. 893,922; July 21; Sp. p. 3217; Dr. p. 663; Gaz. vol. 135; p. 566.
- Amusement device. H. A. Bradwell. No. 895,951; Aug. 11; Sp. p. 2348; Dr. p. 503; Gaz. vol. 135; p. 1304.
- Amusement device. L. O'Donnell. No. 898,674; Sept. 15; Sp. p. 2883; Dr. p. 617; Gaz. vol. 136; p. 525.
- Amusement device. J. Wilderman. No. 898,948; Sept. 15; Sp. p. 3380; Dr. p. 725; Gaz. vol. 136; p. 615.
- Amusement device. C. Adelhelm. No. 899,497; Sept. 29; Sp. p. 4440; Dr. pp. 952-3; Gaz. vol. 136; p. 855.
- Amusement device. W. B. Leonard. No. 900,749; Oct. 13; Sp. p. 1445; Dr. p. 293; Gaz. vol. 136; p. 1322.
- Amusement device. C. I. Enoch. No. 901,330; Oct. 20; Sp. p. 2607; Dr. p. 536; Gaz. vol. 136; p. 1544.
- Amusement device. P. W. Fuller. No. 901,435; Oct. 20; Sp. p. 2863; Dr. p. 585; Gaz. vol. 136; p. 1552.
- Amusement device. W. B. Leonard. No. 903,208; Nov. 10; Sp. p. 1351; Gaz. vol. 137; p. 251.
- Amusement device. G. H. Hamilton and V. E. Mellre. No. 904,953; Nov. 24; Sp. p. 4991; Gaz. vol. 137; p. 891.
- Amusement device. A. Bragg. No. 905,282; Dec. 1; Sp. p. 309; Gaz. vol. 137; p. 1036.
- Amusement device, Puzzle. P. G. Watmough, Jr. No. 906,971; Dec. 15; Sp. p. 3574; Gaz. vol. 137; p. 1636.
- Amusement device, Trick. F. I. Judson. No. 892,432; July 7; Sp. p. 75; Dr. pp. 18-19; Gaz. vol. 135; p. 17.
- Amusement novelty or theatrical device. F. W. Schmidt. No. 876,731; Jan. 14; Sp. p. 2136; Dr. p. 460; Gaz. vol. 132; p. 379.
- Amusement race-tracks, Mount for. G. Lacomme. No. 876,976; Jan. 21; Sp. p. 2647; Dr. p. 575; Gaz. vol. 132; p. 499.
- Amusement riding device. M. B. Becker. No. 900,820; Oct. 13; Sp. p. 1604; Dr. p. 325; Gaz. vol. 136; p. 1347.
- Amusement-walk. G. Lacomme. No. 879,275; Feb. 18; Sp. p. 2824; Dr. p. 592; Gaz. vol. 132; p. 1374.
- Anchor. G. H. Cummings. No. 877,761; Jan. 28; Sp. p. 4232; Dr. pp. 918-19; Gaz. vol. 132; p. 777.
- Anchor. R. W. Buckley, Jr. No. 881,541; Mar. 10; Sp. p. 2078; Dr. p. 454; Gaz. vol. 133; p. 378.
- Anchor, Drive-. J. C. Hasse. No. 904,198; Nov. 17; Sp. p. 3400; Gaz. vol. 137; p. 611.
- Anchor, Ground-. F. Lucas. No. 888,917; May 26; Sp. p. 5245; Dr. p. 1112; Gaz. vol. 134; p. 939.
- Anchor, Ground-. C. G. Ette. No. 908,082; Dec. 29; Sp. p. 5879; Gaz. vol. 137; p. 2069.
- Anchor, Guy-. F. M. Zimmerman. No. 876,127; Jan. 7; Sp. p. 868; Dr. p. 136; Gaz. vol. 132; p. 147.
- Anchor, Guy-. H. M. Thomas. No. 899,274; Sept. 22; Sp. p. 4037; Dr. p. 862; Gaz. vol. 136; p. 749.
- Anchor, Line-. J. Pawlowski. No. 891,365; June 23; Sp. p. 4423; Dr. p. 963; Gaz. vol. 134; p. 1856.
- Anchor of submarine or submersible boats. M. Laubeuf. No. 895,648; Aug. 11; Sp. p. 1736; Dr. p. 368; Gaz. vol. 135; p. 1206.
- Anchor palm, Stockless-. F. Heuss. No. 906,023; Dec. 8; Sp. p. 1792; Gaz. vol. 137; p. 1308.
- Anchor, Post-. C. L. Obinechain. No. 905,215; Dec. 1; Sp. p. 188; Gaz. vol. 137; p. 1014.
- Anchor-setting device, Earth-. C. E. Frost. No. 880,649; Mar. 3; Sp. p. 328; Dr. p. 71; Gaz. vol. 133; p. 57.
- Anchor, Shore-. J. J. Ryan. No. 897,787; Sept. 1; Sp. p. 1103; Dr. p. 237; Gaz. vol. 136; p. 176.
- Anchor, Snugly-stowing stockless. W. S. Bickley. No. 907,957; Dec. 29; Sp. p. 5627; Gaz. vol. 137; p. 2027.
- Anchor, Stockless. W. S. Bickley. No. 896,349; Aug. 18; Sp. p. 3118; Dr. p. 670; Gaz. vol. 135; p. 1453.
- Anchor, Vessel-. W. I. Babcock. No. 902,046; Oct. 27; Sp. p. 4145; Dr. p. 840; Gaz. vol. 136; p. 1811.
- Andiron. A. A. Low. No. 890,669; June 16; Sp. p. 2989; Dr. p. 656; Gaz. vol. 134; p. 1596.

Alphabetical list of inventions—Continued.

- Andiron. H. A. Frentz. No. 906,006; Dec. 8; Sp. p. 1762; Gaz. vol. 137; p. 1302.
- Anesthetics, Apparatus for administering. C. K. Teter. No. 883,987; Apr. 7; Sp. p. 649; Dr. pp. 130-1; Gaz. vol. 133; p. 1295.
- Angle-coupling. S. W. Robinson. No. 881,958; Mar. 17; Sp. p. 2953; Dr. p. 629; Gaz. vol. 133; p. 544.
- Angle-finder. W. Clark. No. 899,692; Sept. 29; Sp. p. 4844; Dr. p. 1037; Gaz. vol. 136; p. 918.
- Angle-piece of laminated material. J. R. Jack. No. 906,233; Dec. 8; Sp. p. 2202; Gaz. vol. 137; p. 1377.
- Angles, Apparatus for trisection of. R. Aarlot. No. 890,322; June 9; Sp. p. 2297; Dr. p. 506; Gaz. vol. 134; p. 1452.
- Animal and fowl catcher. W. G. Tarrant. No. 901,210; Oct. 13; Sp. p. 2354; Dr. p. 481; Gaz. vol. 136; p. 1471.
- Animal-bench, Folding. R. C. Rathborne. No. 902,508; Oct. 27; Sp. p. 5135; Dr. p. 1040; Gaz. vol. 136; p. 1964.
- Animal-breeder's bag. F. B. Graham. No. 899,251; Sept. 22; Sp. p. 4001; Dr. p. 853; Gaz. vol. 136; p. 742.
- Animal-carrier. S. L. Cook. No. 889,586; June 2; Sp. p. 788; Dr. p. 179; Gaz. vol. 134; p. 1184.
- Animal-catcher. S. A. Buxton. No. 887,460; May 12; Sp. p. 2300; Dr. p. 483; Gaz. vol. 134; p. 398.
- Animal-catcher. C. B. Cruse. No. 902,057; Oct. 27; Sp. p. 4165; Dr. p. 843; Gaz. vol. 136; p. 1814.
- Animal catching and holding tool. E. L. Hitt. No. 884,156; Apr. 7; Sp. p. 1036; Dr. p. 215; Gaz. vol. 133; p. 1351.
- Animal-dipping device. E. F. and J. A. Kolosick. No. 901,623; Oct. 20; Sp. p. 3255; Dr. p. 667; Gaz. vol. 136; p. 1643.
- Animal-holder. F. Chapman. No. 883,697; Apr. 7; Sp. p. 46; Dr. p. 7; Gaz. vol. 133; p. 1200.
- Animal-hoof protector. F. R. Ahlers. No. 903,943; Nov. 17; Sp. p. 2871; Gaz. vol. 137; p. 524.
- Animal-poke. J. F. Cannon. No. 907,314; Dec. 22; Sp. p. 4273; Gaz. vol. 137; p. 1787.
- Animal-releasing device. H. J. Hanson. No. 889,878; June 2; Sp. p. 1339; Dr. p. 306; Gaz. vol. 134; p. 1278.
- Animal serum, Obtaining curative. R. H. Deutschmann. No. 906,207; Dec. 8; Sp. p. 2142; Gaz. vol. 137; p. 1367.
- Animal-shears. T. A. Martin. No. 879,973; Feb. 25; Sp. p. 4314; Dr. p. 903; Gaz. vol. 132; p. 1636.
- Animal-shears. W. M. Cahill. No. 888,867; May 26; Sp. p. 5125; Dr. p. 1092; Gaz. vol. 134; p. 919.
- Animal-trainer. T. R. Felts. No. 876,047; Jan. 7; Sp. p. 696; Dr. p. 149; Gaz. vol. 132; p. 120.
- Animal-trap. W. P. Tippit. No. 876,414; Jan. 14; Sp. p. 1459; Dr. p. 313; Gaz. vol. 132; p. 270.
- Animal-trap. J. H. Sprague and E. Warmbrodt. No. 877,134; Jan. 21; Sp. p. 2987; Dr. p. 645; Gaz. vol. 132; p. 553.
- Animal-trap. W. G. Stone. No. 877,138; Jan. 21; Sp. p. 2997; Dr. p. 647; Gaz. vol. 132; p. 554.
- Animal-trap. T. J. Crump. No. 878,123; Feb. 4; Sp. p. 460; Dr. p. 98; Gaz. vol. 132; p. 923.
- Animal-trap. H. E. Carter. No. 882,373; Mar. 17; Sp. p. 3760; Dr. p. 801; Gaz. vol. 133; p. 678.
- Animal-trap. M. L. Larson. No. 882,471; Mar. 17; Sp. p. 3924; Dr. p. 839; Gaz. vol. 133; p. 709.
- Animal-trap. A. A. Hamilton. No. 882,755; Mar. 24; Sp. p. 4501; Dr. p. 959; Gaz. vol. 133; p. 836.
- Animal-trap. W. D. Armstrong. No. 883,772; Apr. 7; Sp. p. 180; Dr. p. 33; Gaz. vol. 133; p. 1222.
- Animal-trap. G. Elsey and B. J. Wayt. No. 883,867; Apr. 7; Sp. p. 400; Dr. p. 78; Gaz. vol. 133; p. 1254.
- Animal-trap. A. Arnesen. No. 884,453; Apr. 14; Sp. p. 1587; Dr. p. 342; Gaz. vol. 133; p. 1476.
- Animal-trap. M. Joachim. No. 885,481; Apr. 21; Sp. p. 3713; Dr. p. 780; Gaz. vol. 133; p. 1842.
- Animal-trap. N. Galloway. No. 885,600; Apr. 21; Sp. p. 3957; Dr. p. 826; Gaz. vol. 133; p. 1877.
- Animal-trap. A. W. Little. No. 886,381; May 5; Sp. p. 80; Dr. p. 16; Gaz. vol. 134; p. 18.
- Animal-trap. H. L. Mainland. No. 887,675; May 12; Sp. p. 2719; Dr. p. 575; Gaz. vol. 134; p. 469.
- Animal-trap. W. Z. Pierce. No. 887,843; May 19; Sp. p. 3079; Dr. p. 646; Gaz. vol. 134; p. 555.
- Animal-trap. G. A. Dejung. No. 890,413; June 9; Sp. p. 2458; Dr. p. 544; Gaz. vol. 134; p. 1479.
- Animal-trap. T. F. Timby. No. 891,880; June 30; Sp. p. 5495; Dr. p. 1187; Gaz. vol. 134; p. 2059.
- Animal-trap. W. C. Smith. No. 892,015; June 30; Sp. p. 5761; Dr. p. 1238; Gaz. vol. 134; p. 2102.
- Animal-trap. G. Davis. No. 892,368; June 30; Sp. p. 6428; Dr. p. 1387; Gaz. vol. 134; p. 2217.
- Animal-trap. C. L. and H. M. Fulmer. No. 893,916; July 21; Sp. p. 3206; Dr. p. 660; Gaz. vol. 135; p. 563.
- Animal-trap. M. M. Berg. No. 894,576; July 28; Sp. p. 4588; Dr. p. 951; Gaz. vol. 135; p. 802.
- Animal-trap. O. F. Lund. No. 894,962; Aug. 4; Sp. p. 372; Dr. p. 75; Gaz. vol. 135; p. 955.
- Animal-trap. W. C. Hooker. No. 895,017; Aug. 4; Sp. p. 497; Dr. p. 100; Gaz. vol. 135; p. 975.
- Animal-trap. F. Everhart. No. 896,523; Aug. 18; Sp. p. 3484; Dr. p. 748; Gaz. vol. 135; p. 1512.
- Animal-trap. G. McEachron. No. 897,301; Sept. 1; Sp. p. 60; Dr. p. 15; Gaz. vol. 136; p. 13.
- Animal-trap. C. Olson. No. 897,302; Sept. 1; Sp. p. 61; Dr. p. 15; Gaz. vol. 136; p. 14.
- Animal-trap. A. Menz. No. 897,761; Sept. 1; Sp. p. 1044; Dr. pp. 224-5; Gaz. vol. 136; p. 169.
- Animal-trap. D. D. Dennis. No. 898,041; Sept. 8; Sp. p. 1660; Dr. p. 353; Gaz. vol. 136; p. 291.
- Animal-trap. G. H. Johnson. No. 898,581; Sept. 15; Sp. p. 2703; Dr. pp. 577-8; Gaz. vol. 136; p. 496.
- Animal-trap. E. S. Lipp. No. 899,114; Sept. 22; Sp. p. 3690; Dr. p. 791; Gaz. vol. 136; p. 696.
- Animal-trap. W. Fagan. No. 899,722; Sept. 29; Sp. p. 4903; Dr. p. 1053; Gaz. vol. 136; p. 928.
- Animal-trap. J. Shepherd. No. 902,005; Oct. 27; Sp. p. 4068; Dr. p. 825; Gaz. vol. 136; p. 1799.
- Animal-trap. W. I. Wolverton. No. 902,790; Nov. 3; Sp. p. 494; Gaz. vol. 137; p. 86.
- Animal-trap. L. Horinko. No. 903,091; Nov. 3; Sp. p. 1119; Gaz. vol. 137; p. 182.
- Animal-trap. T. Bushey. No. 903,356; Nov. 10; Sp. p. 1637; Gaz. vol. 137; p. 300.
- Animal-trap. J. H. Sprague. No. 904,024; Nov. 17; Sp. p. 3021; Gaz. vol. 137; p. 551.
- Animal-trap. W. Sebelin. No. 905,006; Nov. 24; Sp. p. 5098; Gaz. vol. 137; p. 908.
- Animal-trap. C. B. Trumble. No. 905,390; Dec. 1; Sp. p. 518; Gaz. vol. 137; p. 1073.
- Animal-trap. H. H. May. No. 907,516; Dec. 22; Sp. p. 4674; Gaz. vol. 137; p. 1853.
- Animal-trap and chicken-coop, Combined. H. A. Moore. No. 904,348; Nov. 17; Sp. p. 3727; Gaz. vol. 137; p. 662.
- Animal-treating apparatus. F. C. Goff. No. 883,132; Mar. 24; Sp. p. 5248; Dr. pp. 1120-1; Gaz. vol. 133; p. 959.
- Animals alive during transportation, Keeping aquatic. G. Erlwein and E. Marquardt. No. 884,140; Apr. 7; Sp. p. 999; Dr. pp. 208-9; Gaz. vol. 133; p. 1345.
- Animals, Apparatus for breaking or training. L. Hoover. No. 877,504; Jan. 28; Sp. p. 3733; Dr. p. 808; Gaz. vol. 132; p. 695.
- Animals, Device for the prevention of onanism in. W. Leech. No. 900,863; Oct. 13; Sp. p. 1683; Dr. p. 340; Gaz. vol. 136; p. 1360.
- Animals, Excrement-sack for domestic. E. A. Whitehouse. No. 881,753; Mar. 10; Sp. p. 2507; Dr. p. 540; Gaz. vol. 133; p. 447.
- Animals from stables, Means for releasing and leading. J. W. Ross. No. 879,323; Feb. 18; Sp. p. 2927; Dr. pp. 610-11; Gaz. vol. 132; p. 1390.
- Animals, Treating. F. C. Goff. No. 876,632; Jan. 14; Sp. p. 1960; Dr. p. 427; Gaz. vol. 132; p. 348.
- Animals, Treating. F. C. Goff. No. 885,694; Apr. 21; Sp. p. 4155; Dr. pp. 869-70; Gaz. vol. 133; p. 1908.
- Ankle-joint for artificial limbs. M. Spring. No. 907,192; Dec. 22; Sp. p. 4022; Gaz. vol. 137; p. 1744.
- Ankle-supporter. C. H. Ferris. No. 893,064; July 14; Sp. p. 1378; Dr. p. 291; Gaz. vol. 135; p. 255.
- Anklet or spat. J. S. Mead. No. 905,901; Dec. 8; Sp. p. 1564; Gaz. vol. 137; p. 1269.
- Annealing and tempering metals, Process and apparatus for. H. Krautschneider. No. 899,452; Sept. 22; Sp. p. 4339; Gaz. vol. 136; p. 804.
- Annealing apparatus, Wire-. J. H. Roberts. No. 879,674; Feb. 18; Sp. p. 3677; Dr. pp. 768-9; Gaz. vol. 132; p. 1504.
- Annealing-box. L. J. Campbell, J. M. Paris, and F. Seigh. No. 889,438; June 2; Sp. p. 492; Dr. p. 117; Gaz. vol. 134; p. 1137.
- Annealing-box. W. B. Bennett. No. 895,415; Aug. 11; Sp. p. 1287; Dr. p. 270; Gaz. vol. 135; p. 1131.
- Annealing-box. W. B. Bennett. No. 898,172; Sept. 8; Sp. p. 1920; Dr. p. 410; Gaz. vol. 136; p. 333.
- Annealing-furnace. J. A. Herrick. No. 876,182; Jan. 7; Sp. p. 962; Dr. pp. 207-8; Gaz. vol. 132; p. 164.
- Annealing-furnace. J. A. Herrick. No. 876,183; Jan. 7; Sp. p. 964; Dr. p. 208; Gaz. vol. 132; p. 164.
- Annealing-furnace. H. L. Thompson. No. 890,250; June 9; Sp. p. 2125; Dr. p. 466; Gaz. vol. 134; p. 1428.
- Annealing-furnace. H. L. Thompson. No. 890,251; June 9; Sp. p. 2127; Dr. p. 466; Gaz. vol. 134; p. 1428.
- Annealing-furnace. H. L. Thompson. No. 890,252; June 9; Sp. p. 2129; Dr. p. 467; Gaz. vol. 134; p. 1429.
- Annealing-furnace. H. L. Thompson. No. 890,314; June 9; Sp. p. 2279; Dr. pp. 502-3; Gaz. vol. 134; p. 1449.
- Annealing-furnace. E. E. F. Creighton. No. 901,956; Oct. 27; Sp. p. 3946; Dr. p. 806; Gaz. vol. 136; p. 1783.
- Annealing furnace, Metal-. R. H. Ward. No. 878,840; Feb. 11; Sp. p. 1932; Dr. p. 411; Gaz. vol. 132; p. 1193.
- Annealing furnace, Wire-. H. B. Humphrey. No. 878,290; Feb. 4; Sp. p. 815; Dr. p. 162; Gaz. vol. 132; p. 971.
- Announcing or station indicator for railways and street-cars. W. S. Gunter and C. E. Welton. No. 882,675; Mar. 24; Sp. p. 4344; Dr. p. 924; Gaz. vol. 133; p. 810.
- Annunciator. L. S. Scott. No. 876,735; Jan. 14; Sp. p. 2141; Dr. pp. 470-1; Gaz. vol. 132; p. 380.
- Annunciator. W. C. Mayo and J. Houlehan. No. 879,288; Feb. 18; Sp. p. 2856; Dr. p. 598; Gaz. vol. 132; p. 1379.
- Annunciator. J. T. Needham. No. 882,118; Mar. 17; Sp. p. 3269; Dr. p. 696; Gaz. vol. 133; p. 595.
- Annunciator. S. J. Heinrich. No. 883,539; Mar. 31; Sp. p. 6111; Dr. p. 1300; Gaz. vol. 133; p. 1121.
- Annunciator. E. Baum. No. 896,793; Aug. 25; Sp. p. 4029; Dr. p. 867; Gaz. vol. 135; p. 1621.
- Annular knife. E. G. Hoffmann. No. 877,927; Feb. 4; Sp. p. 69; Dr. p. 14; Gaz. vol. 132; p. 860.
- Anode. A. M. Hill. No. 882,110; Mar. 17; Sp. p. 3260; Dr. p. 693; Gaz. vol. 133; p. 593.
- Anode. R. J. Wisnom. No. 903,939; Nov. 17; Sp. p. 2866; Gaz. vol. 137; p. 523.
- Ant-trap. M. T. Howard. No. 884,928; Apr. 14; Sp. p. 2578; Dr. p. 542; Gaz. vol. 133; p. 1630.
- Ant-trap. H. L. Shimer. No. 885,536; Apr. 21; Sp. p. 3848; Dr. p. 804; Gaz. vol. 133; p. 1859.
- Anticollision device. A. Walker. No. 905,774; Dec. 1; Sp. p. 1307; Gaz. vol. 137; p. 1197.

Alphabetical list of inventions—Continued.

- Antifraud-box. M. Paveletz. No. 901,036; Oct. 13; Sp. p. 2041; Dr. p. 415; Gaz. vol. 136; p. 1416.
 Antifreezing closet. N. Peterson. No. 901,255; Oct. 13; Sp. p. 2430; Dr. p. 499; Gaz. vol. 136; p. 1484.
 Antimony in a pure state from ores, concentrates, tailings, and slimes containing it, Wet process of recovering. J. R. Masson. No. 890,432; June 9; Sp. p. 2491; Gaz. vol. 134; p. 1486.
 Antrattling device. A. S. Newton. No. 897,478; Sept. 1; Sp. p. 485; Dr. p. 103; Gaz. vol. 136; p. 77.
 Antiseptic attachment for telephones. F. C. Tabler. No. 900,447; Oct. 6; Sp. p. 799; Dr. p. 164; Gaz. vol. 136; p. 1197.
 Antiseptic compounds, Preparing. J. L. Turner and C. E. Vanderkleed. No. 906,473; Dec. 8; Sp. p. 2631; Gaz. vol. 137; p. 1453.
 Antiseptic cone. G. C. McMurtry. No. 896,409; Aug. 18; Sp. p. 3250; Dr. p. 696; Gaz. vol. 135; p. 1473.
 Antiseptic mouthpiece for telephones, speaking-tubes, &c. M. S. Hufschmidt. No. 900,372; Oct. 6; Sp. p. 636; Dr. p. 131; Gaz. vol. 136; p. 1172.
 Antiseptic organic-silver compound. M. Dodsworth. No. 900,835; Oct. 13; Sp. p. 1633; Gaz. vol. 136; p. 1351.
 Antiskidding device. E. B. Stimpson. No. 890,191; June 9; Sp. p. 2003; Dr. p. 441; Gaz. vol. 134; p. 1409.
 Antislipping and non-wearing medium. C. D. McGiehan. No. 879,790; Feb. 18; Sp. p. 3893; Dr. p. 816; Gaz. vol. 132; p. 1542.
 Antislipping device. F. H. Pratt. No. 907,172; Dec. 22; Sp. p. 3962; Gaz. vol. 137; p. 1736.
 Antisnoring device. C. F. Rohwer. No. 876,491; Jan. 14; Sp. p. 1628; Dr. p. 353; Gaz. vol. 132; p. 297.
 Antisnoring device. L. F. Liebhardt. No. 898,379; Sept. 8; Sp. p. 2292; Dr. p. 487; Gaz. vol. 136; p. 398.
 Antisnoring-shield. C. P. Steil. No. 885,196; Apr. 21; Sp. p. 3148; Dr. p. 661; Gaz. vol. 133; p. 1750.
 Anvil. H. E. Sheward. No. 880,335; Feb. 25; Sp. p. 5034; Dr. p. 1062; Gaz. vol. 132; p. 1754.
 Anvil, Blow-. A. L. Cox and W. U. Goodwin. No. 889,206; June 2; Sp. p. 34; Dr. p. 9; Gaz. vol. 134; p. 1063.
 Anvil, vise, and drill, Combined. C. Brewer. No. 895,953; Aug. 11; Sp. p. 2352; Dr. p. 504; Gaz. vol. 135; p. 1304.
 Anvils, Forming. W. F. Ring. No. 896,155; Aug. 18; Sp. p. 2728; Dr. p. 588; Gaz. vol. 135; p. 1390.
 Anvils, Hardy attachment for. G. W. Cole. No. 898,969; Sept. 15; Sp. p. 3418; Dr. p. 734; Gaz. vol. 136; p. 622.
 Apparel fastening device, Wearing-. L. E. Smith. No. 878,678; Feb. 11; Sp. p. 1676; Dr. p. 346; Gaz. vol. 132; p. 1142.
 Apparel-hanger. F. N. Kershaw. No. 894,443; July 28; Sp. p. 4330; Dr. p. 893; Gaz. vol. 135; p. 759.
 Apparel-rack. C. L. Wood. No. 894,561; July 28; Sp. p. 4562; Dr. p. 945; Gaz. vol. 135; p. 797.
 Apparel, such as collars and cuffs, Wearing-. S. M. Griffiths. No. 900,724; Oct. 13; Sp. p. 1396; Dr. p. 284; Gaz. vol. 136; p. 1315.
 Apparel, Wearing-. J. A. Sullivan. No. 877,964; Feb. 4; Sp. p. 136; Dr. p. 31; Gaz. vol. 132; p. 872.
 Apple quartering and trimming machine. H. J. Pinkerton. No. 900,949; Oct. 13; Sp. p. 1872; Dr. pp. 381-2; Gaz. vol. 136; p. 1387.
 Apples, potatoes, &c., Device for culling and discharging. P. Huberty. No. 876,805; Jan. 14; Sp. p. 2261; Dr. p. 498; Gaz. vol. 132; p. 402.
 Apricot-cutter. R. Good. No. 889,458; June 2; Sp. p. 536; Dr. p. 125; Gaz. vol. 134; p. 1144.
 Apron. J. G. Lyons. No. 889,470; June 2; Sp. p. 576; Dr. p. 134; Gaz. vol. 134; p. 1148.
 Apron. C. W. Bartrum. No. 897,445; Sept. 1; Sp. p. 423; Dr. p. 90; Gaz. vol. 136; p. 66.
 Apron attachment, Storm-. E. A. Herr. No. 907,708; Dec. 22; Sp. p. 5119; Gaz. vol. 137; p. 1917.
 Apron-fastening device. M. J. O'Connor. No. 905,216; Dec. 1; Sp. p. 188; Gaz. vol. 137; p. 1015.
 Aquarium attachment. F. A. Rogers. No. 894,056; July 21; Sp. p. 3515; Dr. p. 720; Gaz. vol. 135; p. 611.
 Arbor. O. Rose. No. 879,829; Feb. 18; Sp. p. 3983; Dr. p. 834; Gaz. vol. 132; p. 1555.
 Arbors, Device for attaching index-fingers to. A. Wirsching. No. 892,021; June 30; Sp. p. 5768; Dr. p. 1240; Gaz. vol. 134; p. 2104.
 Arc-light, Pencil and apparatus for producing the. I. Ladoff. No. 896,397; Aug. 18; Sp. p. 3215; Dr. p. 690; Gaz. vol. 135; p. 1469.
 Arc lights, Carbon pencil of electric-. J. Nicholson. No. 901,993; Oct. 27; Sp. p. 4049; Dr. p. 821; Gaz. vol. 136; p. 1795.
 Arcs, Apparatus for producing voltaic high-current. H. Pauling. No. 887,220; May 12; Sp. p. 1727; Dr. p. 367; Gaz. vol. 134; p. 317.
 Arcs, Striking voltaic. A. J. Petersson. No. 905,572; Dec. 1; Sp. p. 933; Gaz. vol. 137; p. 1132.
 Arch and ankle support. L. J. Courteau. No. 895,539; Aug. 11; Sp. p. 1536; Dr. p. 325; Gaz. vol. 135; p. 1172.
 Arch construction, Automatic adjustable. W. M. Thomas. No. 886,666; May 5; Sp. p. 647; Dr. p. 134; Gaz. vol. 134; p. 112.
 Arch, Reinforced terra-cotta. P. H. Bevier. No. 877,545; Jan. 28; Sp. p. 3832; Dr. p. 829; Gaz. vol. 132; p. 710.
 Arch-support. W. H. Wood. No. 905,617; Dec. 1; Sp. p. 1012; Gaz. vol. 137; p. 1145.
 Arch-supporter. C. E. Bullard. No. 878,039; Feb. 4; Sp. p. 302; Dr. p. 64; Gaz. vol. 132; p. 897.
 Arm-rest. H. E. Weber. No. 877,274; Jan. 21; Sp. p. 3281; Dr. p. 710; Gaz. vol. 132; p. 601.
 Arm-rest. E. G. Budd. No. 900,702; Oct. 13; Sp. p. 1355; Dr. p. 276; Gaz. vol. 136; p. 1308.
 Arm-rest. E. G. Budd. No. 900,703; Oct. 13; Sp. p. 1357; Dr. p. 276; Gaz. vol. 136; p. 1308.
 Arm-rest. E. G. Budd. No. 900,704; Oct. 13; Sp. p. 1358; Dr. p. 277; Gaz. vol. 136; p. 1309.
 Arm-supporter, Adjustable. C. H. Dingman. No. 884,004; Mar. 24; Sp. p. 4998; Dr. p. 1063; Gaz. vol. 133; p. 917.
 Armature-banding. M. Dickerson. No. 876,949; Jan. 21; Sp. p. 2597; Dr. p. 565; Gaz. vol. 132; p. 490.
 Armature-bands, Apparatus for applying. R. E. Manley. No. 895,384; Aug. 4; Sp. p. 1211; Dr. p. 255; Gaz. vol. 135; p. 1096.
 Armature-core. J. F. Card. No. 891,906; June 30; Sp. p. 5545; Dr. p. 1196; Gaz. vol. 134; p. 2068.
 Armature for unipolar machines. J. E. Noeggerath. No. 900,771; Oct. 13; Sp. p. 1496; Dr. p. 303; Gaz. vol. 136; p. 1329.
 Armature-winding for electrical machines. B. G. Lamme. No. 888,514; May 26; Sp. p. 4374; Dr. p. 927; Gaz. vol. 134; p. 803.
 Armature-winding for high-speed dynamo-electric machines. B. G. Lamme. No. 885,163; Apr. 21; Sp. p. 3076; Dr. p. 646; Gaz. vol. 133; p. 1738.
 Armature-winding machine. C. H. Lewis. No. 887,106; May 12; Sp. p. 1535; Dr. p. 324; Gaz. vol. 134; p. 281.
 Armature-winding machine. W. Cramp. No. 893,570; July 14; Sp. p. 2428; Dr. p. 505; Gaz. vol. 135; p. 419.
 Armor exploding projectile. A. Wratzke. No. 905,042; Nov. 24; Sp. p. 5161; Gaz. vol. 137; p. 920.
 Armor-piercing-projectile fuse. R. Imperiali. No. 903,880; Nov. 17; Sp. p. 2934; Gaz. vol. 137; p. 535.
 Aromatic carbonyl derivatives, Making. A. Wack. No. 898,942; Sept. 15; Sp. p. 3369; Gaz. vol. 136; p. 613.
 Arrestor. A. B. Chance. No. 894,723; July 28; Sp. p. 4864; Dr. p. 1012; Gaz. vol. 135; p. 849.
 Arsenic from liquids and gases, Removal of. O. Jonas. No. 891,703; June 23; Sp. p. 5129; Gaz. vol. 134; p. 1969.
 Arsenic from liquids and gases, Removal of. O. Jonas. No. 891,775; June 23; Sp. p. 5258; Gaz. vol. 134; p. 1993.
 Arsenic trioxid, Preparing. U. Wedge. No. 894,764; July 28; Sp. p. 4936; Dr. pp. 1028-9; Gaz. vol. 135; p. 862.
 Arsenical ores, Reducing. G. M. Westman. No. 879,931; Feb. 25; Sp. p. 4242; Dr. pp. 886-7; Gaz. vol. 132; p. 1623.
 Arsenical ores, Reducing. G. M. Westman. No. 879,932; Feb. 25; Sp. p. 4244; Dr. p. 887; Gaz. vol. 132; p. 1623.
 Arsenious oxid, Manufacture of. U. Wedge. No. 900,138; Oct. 6; Sp. p. 137; Dr. p. 29; Gaz. vol. 136; p. 1095.
 Arsenoarylglycin. P. Ehrlich and A. Berthelm. No. 888,321; May 19; Sp. p. 3966; Gaz. vol. 134; p. 709.
 Article-holder. G. P. Fay. No. 892,238; June 30; Sp. p. 6183; Dr. p. 1332; Gaz. vol. 134; p. 2175.
 Artificial post. H. G. Thomson. No. 876,247; Jan. 7; Sp. p. 1087; Dr. p. 237; Gaz. vol. 132; p. 184.
 Artificial tree. G. Spreen. No. 891,301; June 23; Sp. p. 4286; Dr. p. 936; Gaz. vol. 134; p. 1836.
 Artillery-director. J. D. B. Fulton. No. 876,343; Jan. 14; Sp. p. 1304; Dr. p. 282; Gaz. vol. 132; p. 247.
 Artist's work rest or holder. J. C. Dana. No. 895,972; Aug. 11; Sp. p. 2399; Dr. p. 513; Gaz. vol. 135; p. 1310.
 Asbestos sheathing to structural framework, Means for attaching. C. E. Wade. No. 889,831; June 2; Sp. p. 1246; Dr. p. 287; Gaz. vol. 134; p. 1262.
 Ash and match tray, Combined. D. J. Segel. No. 889,158; May 26; Sp. p. 5725; Dr. p. 1212; Gaz. vol. 134; p. 1015.
 Ash-handling apparatus. C. G. Armstrong. No. 904,916; Nov. 24; Sp. p. 4911; Gaz. vol. 137; p. 878.
 Ash-pan. F. Hibner. No. 896,449; Aug. 18; Sp. p. 3320; Dr. p. 715; Gaz. vol. 135; p. 1486.
 Ash-receiver. J. Voska and C. Nelson. No. 902,511; Oct. 27; Sp. p. 5139; Dr. p. 1041; Gaz. vol. 136; p. 1965.
 Ash-receptacle. T. L. Bristol. No. 895,420; Aug. 11; Sp. p. 1295; Dr. p. 271; Gaz. vol. 135; p. 1132.
 Ash-receptacle. M. J. Carney. No. 898,091; Sept. 8; Sp. p. 1753; Dr. p. 373; Gaz. vol. 136; p. 307.
 Ash-separator. G. A. Williams. No. 893,687; July 21; Sp. p. 2654; Dr. p. 557; Gaz. vol. 135; p. 487.
 Asparagus-cutter. C. F. Davis. No. 887,466; May 12; Sp. p. 2320; Dr. p. 486; Gaz. vol. 134; p. 400.
 Asphalt, Coating porous material with. A. J. Sinclair. No. 893,391; July 14; Sp. p. 2003; Gaz. vol. 135; p. 361.
 Asphalt plant, Portable. F. B. Smith. No. 892,320; June 30; Sp. p. 6339; Dr. p. 1366; Gaz. vol. 134; p. 2202.
 Asphalt-ripper. A. King. No. 878,638; Feb. 11; Sp. p. 1603; Dr. p. 328; Gaz. vol. 132; p. 1129.
 Aspirator. C. W. Nance. No. 907,392; Dec. 22; Sp. p. 4414; Gaz. vol. 137; p. 1812.
 Assay-furnace. L. Baudendistie. No. 887,057; May 12; Sp. p. 1435; Dr. pp. 304-5; Gaz. vol. 134; p. 265.
 Assembler, Automatic. W. L. Ainslie. No. 887,731; May 12; Sp. p. 2820; Dr. p. 596; Gaz. vol. 134; p. 489.
 Assembling apparatus. J. R. Brown. No. 877,900; Feb. 4; Sp. p. 6; Dr. p. 1; Gaz. vol. 132; p. 850.
 Assembling-machine. O. Ashton. No. 893,696; July 21; Sp. p. 2669; Dr. p. 560; Gaz. vol. 135; p. 490.
 Assembly-chair. J. C. Brooke. No. 889,578; June 2; Sp. p. 771; Dr. pp. 176-7; Gaz. vol. 134; p. 1181.
 Associating and collecting mechanism. H. A. W. Wood. No. 897,333; Sept. 1; Sp. p. 161; Dr. pp. 34-5; Gaz. vol. 136; p. 25.
 Assorting-table and rack, Combined. H. H. Shults. No. 890,381; June 9; Sp. p. 2403; Dr. pp. 529-30; Gaz. vol. 134; p. 1470.
 Atomizer. W. von Döhn. No. 885,027; Apr. 21; Sp. p. 2780; Dr. pp. 589-90; Gaz. vol. 133; p. 1694.
 Atomizer. J. Cooperider. No. 891,911; June 30; Sp. p. 5556; Dr. p. 1197; Gaz. vol. 134; p. 2070.
 Atomizer. T. A. De Vilbiss. No. 899,007; Sept. 15; Sp. p. 3484; Dr. p. 747; Gaz. vol. 136; p. 634.
 Atomizer. H. H. Mallory. No. 905,087; Nov. 24; Sp. p. 5243; Gaz. vol. 137; p. 935.
 Atomizer and powder-distributor, Combined. W. J. Barber. No. 892,703; July 7; Sp. p. 601; Dr. p. 130; Gaz. vol. 135; p. 106.

Alphabetical list of inventions—Continued.

- Atomizer for scent and other sprays. H. Rachmann. No. 904,149; Nov. 17; Sp. p. 3279; Gaz. vol. 137; p. 594.
 Atomizer, Invertible. T. A. De Vilbiss. No. 904,515; Nov. 24; Sp. p. 4079; Gaz. vol. 137; p. 744.
 Atomizer spray-head. T. A. De Vilbiss. No. 905,296; Dec. 1; Sp. p. 325; Gaz. vol. 137; p. 1040.
 Attrition-mill plate. L. E. Bauer. No. 905,492; Dec. 1; Sp. p. 770; Gaz. vol. 137; p. 1107.
 Audiphone. O. J. Davy. No. 883,003; Mar. 24; Sp. 4997; Dr. pp. 1002-3; Gaz. vol. 133; p. 917.
 Audiphone. C. L. Buckwalter. No. 898,035; Sept. 8; Sp. p. 1652; Dr. p. 351; Gaz. vol. 136; p. 289.
 Auger. M. E. Thomas. No. 882,128; Mar. 17; Sp. p. 3285; Dr. p. 700; Gaz. vol. 133; p. 599.
 Auger. J. Moore. No. 904,796; Nov. 24; Sp. p. 4667; Gaz. vol. 137; p. 838.
 Auger-bit. P. J. Creedon. No. 877,831; Jan. 28; Sp. p. 4364; Dr. p. 948; Gaz. vol. 132; p. 800.
 Auger, Coal-. M. Martin. No. 882,475; Mar. 17; Sp. p. 3331; Dr. p. 840; Gaz. vol. 133; p. 711.
 Auger, Earth-. J. S. Park. No. 886,242; Apr. 28; Sp. p. 5264; Dr. p. 1109; Gaz. vol. 133; p. 2118.
 Auger-head and reamer, Combined. E. J. Wheeler. No. 879,075; Feb. 11; Sp. p. 2419; Dr. p. 507; Gaz. vol. 132; p. 1266.
 Auger, Hollow. N. E. Swanson. No. 900,044; Sept. 29; Sp. p. 5013; Dr. p. 1198; Gaz. vol. 136; p. 1034.
 Auger, Post-hole. H. Hermanns. No. 902,294; Oct. 27; Sp. p. 4647; Dr. p. 943; Gaz. vol. 136; p. 1892.
 Augers, Cup attachment for. W. G. and E. Hagstrom. No. 881,856; Mar. 10; Sp. p. 2718; Dr. p. 583; Gaz. vol. 133; p. 481.
 Auriphone. D. O. Fosgate. No. 877,317; Jan. 21; Sp. p. 3369; Dr. p. 730; Gaz. vol. 132; p. 613.
 Ausculto-phon. L. A. Townsend. No. 899,815; Sept. 29; Sp. p. 5121; Dr. p. 1095; Gaz. vol. 136; p. 961.
 Auto-door stop. U. H. Hill. No. 902,730; Nov. 3; Sp. p. 396; Gaz. vol. 137; p. 68.
 Autographic register. T. F. Schirmer and M. C. Stern. No. 886,015; Apr. 28; Sp. p. 4854; Dr. p. 1020; Gaz. vol. 133; p. 2046.
 Autographic register. W. Maass. No. 887,208; May 12; Sp. p. 1709; Dr. p. 363; Gaz. vol. 134; p. 313.
 Autographic register. C. M. Kirkland. No. 905,710; Dec. 1; Sp. p. 1179; Gaz. vol. 137; p. 1173.
 Automatic brake. J. E. Frost. No. 883,637; Mar. 31; Sp. p. 6299; Dr. pp. 1343-4; Gaz. vol. 133; p. 1152.
 Automatic brake. J. M. Nordström. No. 907,169; Dec. 22; Sp. p. 3957; Gaz. vol. 137; p. 1735.
 Automatic carrier and dumper. H. G. Dittenbach. No. 886,959; May 5; Sp. p. 1232; Dr. p. 261; Gaz. vol. 134; p. 205.
 Automatic coupling. J. Riley and F. A. Spiers. No. 877,663; Jan. 28; Sp. p. 4056; Dr. pp. 877-8; Gaz. vol. 132; p. 747.
 Automatic coupling. J. Riley and F. A. Spiers. No. 877,664; Jan. 28; Sp. p. 4058; Dr. pp. 878-9; Gaz. vol. 132; p. 748.
 Automatic coupling. E. De Vlieger. No. 884,801; Apr. 14; Sp. p. 2333; Dr. p. 491; Gaz. vol. 133; p. 1591.
 Automatic draft-regulator, Hot-water-heating-system. E. Berge. No. 905,139; Dec. 1; Sp. p. 25; Gaz. vol. 137; p. 988.
 Automatic fender. J. E. Palmer. No. 884,418; Apr. 14; Sp. p. 1500; Dr. pp. 322-3; Gaz. vol. 133; p. 1463.
 Automatic furnace. J. E. Jones. No. 895,764; Aug. 11; Sp. p. 1972; Dr. pp. 417-18; Gaz. vol. 135; p. 1244.
 Automatic gate. F. T. Fay. No. 889,591; June 2; Sp. p. 796; Dr. p. 182; Gaz. vol. 134; p. 1186.
 Automatic gate. F. T. Fay. No. 834,742; July 28; Sp. p. 4201; Dr. p. 1020; Gaz. vol. 135; p. 855.
 Automatic gate. A. T. Lister. No. 902,095; Oct. 27; Sp. p. 4232; Dr. pp. 857-8; Gaz. vol. 136; p. 1826.
 Automatic hook. C. J. Coulton and E. Tugby. No. 898,329; Sept. 8; Sp. p. 2199; Dr. p. 467; Gaz. vol. 136; p. 381.
 Automatic light. E. Newman. No. 892,293; June 30; Sp. p. 6292; Dr. p. 1355; Gaz. vol. 134; p. 2194.
 Automatic player. G. W. Paulson. No. 894,899; Aug. 4; Sp. p. 222; Dr. pp. 48-9; Gaz. vol. 135; p. 934.
 Automatic sprinkler. G. I. Rockwood. No. 900,886; Oct. 13; Sp. p. 1739; Dr. p. 351; Gaz. vol. 136; p. 1366.
 Automatic switch. W. B. Jenney. No. 896,994; Aug. 25; Sp. p. 4483; Dr. p. 957; Gaz. vol. 135; p. 1688.
 Automatic switch. F. M. Hall. No. 898,879; Sept. 15; Sp. p. 3259; Dr. p. 697; Gaz. vol. 136; p. 593.
 Automatic switch. F. Williams. No. 903,932; Nov. 17; Sp. p. 2552; Gaz. vol. 137; p. 520.
 Automatic switch and signal. M. I. Haultner. No. 897,088; Aug. 25; Sp. p. 4689; Dr. p. 999; Gaz. vol. 135; p. 1723.
 Automatic trap. I. H. Pock and W. D. Haggerty. No. 897,554; Sept. 1; Sp. p. 646; Dr. p. 135; Gaz. vol. 136; p. 101.
 Automatic wrench. D. Rugg. No. 897,665; Sept. 1; Sp. p. 861; Dr. p. 184; Gaz. vol. 136; p. 138.
 Automatically-locking box. F. C. Few. No. 879,094; Feb. 11; Sp. p. 2472; Dr. p. 515; Gaz. vol. 132; p. 1272.
 Automobile. W. W. Macfarren. No. 876,070; Jan. 7; Sp. p. 755; Dr. pp. 160-1; Gaz. vol. 132; p. 128.
 Automobile. L. M. G. Delauna-Belleville. No. 879,027; Feb. 11; Sp. p. 2329; Dr. p. 488; Gaz. vol. 132; p. 1252.
 Automobile. A. H. Dingman. No. 880,202; Feb. 25; Sp. p. 4774; Dr. p. 1040; Gaz. vol. 132; p. 1710.
 Automobile. M. M. Johnson. No. 880,739; Mar. 3; Sp. p. 506; Dr. p. 105; Gaz. vol. 133; p. 68.
 Automobile. C. W. Duer. No. 882,239; Mar. 17; Sp. p. 3506; Dr. p. 744; Gaz. vol. 133; p. 632.
 Automobile. A. B. Shultz. No. 883,982; Apr. 7; Sp. p. C35; Dr. p. 127; Gaz. vol. 133; p. 1294.
 Automobile. A. H. Wright. No. 885,822; Apr. 28; Sp. p. 4437; Dr. p. 932; Gaz. vol. 133; p. 1981.
 Automobile. H. K. Holzman. No. 886,506; May 5; Sp. p. 326; Dr. pp. 67-8; Gaz. vol. 134; p. 60.
 Automobile. E. Koeb. No. 886,520; May 5; Sp. p. 349; Dr. pp. 72-3; Gaz. vol. 134; p. 65.
 Automobile. G. A. Weidely. No. 889,996; June 8; Sp. p. 1599; Dr. p. 359; Gaz. vol. 134; p. 1343.
 Automobile. A. G. Davis. No. 890,615; June 16; Sp. p. 2872; Dr. pp. 632-3; Gaz. vol. 134; p. 1579.
 Automobile. C. Snow. No. 893,107; July 14; Sp. p. 1456; Dr. pp. 307-8; Gaz. vol. 135; p. 268.
 Automobile. E. S. H. Pereyra. No. 893,867; July 21; Sp. p. 3115; Dr. p. 638; Gaz. vol. 135; p. 548.
 Automobile. C. Rodgers. No. 894,055; July 21; Sp. p. 3513; Dr. pp. 719-20; Gaz. vol. 135; p. 611.
 Automobile. H. K. Holzman. No. 897,368; Sept. 1; Sp. p. 259; Dr. p. 53; Gaz. vol. 136; p. 39.
 Automobile. T. B. Jeffery. No. 899,537; Sept. 29; Sp. p. 4526; Dr. p. 972; Gaz. vol. 136; p. 869.
 Automobile. F. A. Stephens. No. 901,493; Oct. 20; Sp. p. 3007; Dr. pp. 613-14; Gaz. vol. 136; p. 1602.
 Automobile. C. J. Paulson. No. 903,762; Nov. 10; Sp. p. 2449; Gaz. vol. 137; p. 428.
 Automobile antiskidding shoe. G. W. Constable. No. 906,776; Dec. 15; Sp. p. 3213; Gaz. vol. 137; p. 1576.
 Automobile auxiliary spring. L. D. Collins. No. 907,403; Dec. 22; Sp. p. 4579; Gaz. vol. 137; p. 1837.
 Automobile-body, Convertible. E. T. Robinson. No. 897,663; Sept. 1; Sp. p. 857; Dr. pp. 181-3; Gaz. vol. 136; p. 137.
 Automobile-brake. G. Stables. No. 897,421; Sept. 1; Sp. p. 377; Dr. p. 79; Gaz. vol. 136; p. 58.
 Automobile brake and clutch operating mechanism. C. Schmidt. No. 883,835; Apr. 7; Sp. p. 330; Dr. p. 62; Gaz. vol. 133; p. 1244.
 Automobile-buffer. J. H. Sagar. No. 885,181; Apr. 21; Sp. p. 3118; Dr. p. 656; Gaz. vol. 133; p. 1744.
 Automobile-canopy. E. T. Robinson. No. 905,001; Nov. 24; Sp. p. 5083; Gaz. vol. 137; p. 907.
 Automobile circuit-breaker. W. C. Horner. No. 885,848; Apr. 28; Sp. p. 4489; Dr. p. 942; Gaz. vol. 133; p. 1990.
 Automobile compensating mechanism. C. H. Ballard and J. F. Rogers. No. 880,117; Feb. 25; Sp. p. 4590; Dr. p. 967; Gaz. vol. 132; p. 1632.
 Automobile construction. G. Engel. No. 891,051; June 16; Sp. p. 3789; Dr. p. 827; Gaz. vol. 134; p. 1723.
 Automobile construction. W. Morrison. No. 895,661; Aug. 11; Sp. p. 1765; Dr. p. 375; Gaz. vol. 135; p. 1210.
 Automobile-curtain button-fastener. A. Bessette. No. 906,607; Dec. 15; Sp. p. 2881; Gaz. vol. 137; p. 1522.
 Automobile danger-signal. O. Herrmann. No. 903,719; Nov. 10; Sp. p. 2367; Gaz. vol. 137; p. 416.
 Automobile door-hinge. E. T. Robinson. No. 878,745; Feb. 11; Sp. p. 1802; Dr. p. 373; Gaz. vol. 132; p. 1163.
 Automobile draft attachment. C. J. Zillgitt. No. 903,942; Nov. 17; Sp. p. 2870; Gaz. vol. 137; p. 524.
 Automobile driving-gear. H. E. Johnson. No. 878,005; Feb. 4; Sp. p. 217; Dr. pp. 47-8; Gaz. vol. 132; p. 886.
 Automobile driving-gear. H. G. McComb. No. 885,505; Apr. 21; Sp. p. 3756; Dr. p. 790; Gaz. vol. 133; p. 1849.
 Automobile driving mechanism. H. K. Holzman. No. 878,955; Feb. 11; Sp. p. 2204; Dr. p. 461; Gaz. vol. 132; p. 1230.
 Automobile driving mechanism. R. F. Stewart. No. 905,244; Dec. 1; Sp. p. 240; Gaz. vol. 137; p. 1024.
 Automobile fender and brake attachment. J. O'Leary. No. 884,201; Apr. 7; Sp. p. 1109; Dr. p. 232; Gaz. vol. 133; p. 1365.
 Automobile-frames, Bearing for supporting radiators in. P. W. Noble. No. 883,146; Mar. 24; Sp. p. 5279; Dr. p. 1126; Gaz. vol. 133; p. 964.
 Automobile-gearing. L. V. Lochner. No. 887,824; May 19; Sp. p. 3035; Dr. pp. 637-8; Gaz. vol. 134; p. 549.
 Automobile-hood. E. T. Robinson. No. 904,151; Nov. 17; Sp. p. 3281; Gaz. vol. 137; p. 595.
 Automobile-horn. R. Wright. No. 896,606; Aug. 18; Sp. p. 3628; Dr. p. 779; Gaz. vol. 135; p. 1538.
 Automobile-horn. I. E. Stump. No. 906,332; Dec. 8; Sp. p. 2391; Gaz. vol. 137; p. 1410.
 Automobile-jack. J. E. Moore. No. 876,824; Jan. 14; Sp. p. 2303; Dr. p. 506; Gaz. vol. 132; p. 407.
 Automobile-lift. C. W. Gearing and W. J. McGee. No. 877,709; Jan. 28; Sp. p. 4138; Dr. pp. 895-6; Gaz. vol. 132; p. 761.
 Automobile-motor. R. R. Brown. No. 876,769; Jan. 14; Sp. p. 2203; Dr. p. 484; Gaz. vol. 132; p. 391.
 Automobile number-display device. I. W. Henderson. No. 907,497; Dec. 22; Sp. p. 4643; Gaz. vol. 137; p. 1848.
 Automobile-radiator. M. Steiner. No. 877,609; Jan. 28; Sp. p. 3963; Dr. p. 855; Gaz. vol. 132; p. 730.
 Automobile-radiator. C. Schmidt. No. 886,016; Apr. 28; Sp. p. 4356; Dr. p. 1021; Gaz. vol. 133; p. 2046.
 Automobile-radiator. M. Steiner. No. 891,302; June 23; Sp. p. 4287; Dr. p. 1836; Gaz. vol. 134; p. 1836.
 Automobile running-board. J. B. Long and C. Wright. No. 898,237; Sept. 8; Sp. p. 2047; Dr. p. 434; Gaz. vol. 136; p. 353.
 Automobile running-board. H. E. Coffin. No. 890,963; June 16; Sp. p. 3625; Dr. p. 789; Gaz. vol. 134; p. 1693.
 Automobile running-gear. C. T. Pratt. No. 878,156; Feb. 4; Sp. p. 515; Dr. pp. 110-11; Gaz. vol. 132; p. 934.
 Automobile running-gear. C. T. Keyser. No. 881,696; Mar. 10; Sp. p. 2383; Dr. pp. 517-18; Gaz. vol. 133; p. 428.
 Automobile running-gear. C. T. Pratt. No. 888,737; May 26; Sp. p. 4830; Dr. p. 1031; Gaz. vol. 134; p. 877.
 Automobile running-gear. J. W. Cooper. No. 897,591; Sept. 1; Sp. p. 716; Dr. p. 151; Gaz. vol. 136; p. 114.
 Automobile running-gear. M. L. Williams. No. 906,461; Dec. 8; Sp. p. 2647; Gaz. vol. 137; p. 1457.
 Automobile shock-absorber. I. Stanley. No. 898,798; Sept. 15; Sp. p. 3113; Dr. p. 667; Gaz. vol. 136; p. 566.

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- Automobile. Six-wheeled logging-. N. F. Coffey. No. 882,998; Mar. 24; Sp. p. 4988; Dr. pp. 1060-1; Gaz. vol. 133; p. 915.
- Automobile sled attachment. H. H. Rohlf. No. 888,932; May 26; Sp. p. 5267; Dr. pp. 1117-18; Gaz. vol. 134; p. 943.
- Automobile spark-adjusting starting means. A. L. Riker. No. 906,290; Dec. 8; Sp. p. 2305; Gaz. vol. 137; p. 1396.
- Automobile speed-controlling mechanism. T. B. Jeffery. No. 889,528; June 2; Sp. p. 679; Dr. pp. 156-7; Gaz. vol. 134; p. 1165.
- Automobile-spring. W. R. Rantz. No. 900,779; Oct. 13; Sp. p. 1508; Dr. pp. 306-7; Gaz. vol. 136; p. 1331.
- Automobile steering device. T. P. and W. W. Wilson. No. 8,6,034; Jan. 7; Sp. p. 674; Dr. p. 145; Gaz. vol. 132; p. 116.
- Automobile steering device. J. Horat. No. 886,508; May 5; Sp. p. 331; Dr. p. 68; Gaz. vol. 134; p. 61.
- Automobile steering-gear. J. C. Higdon. No. 855,249; Apr. 21; Sp. p. 3263; Dr. p. 681; Gaz. vol. 133; p. 1768.
- Automobile steering-gear. G. E. Miller. No. 885,940; Apr. 28; Sp. p. 4680; Dr. pp. 985-6; Gaz. vol. 133; p. 2020.
- Automobile steering-gear and axle. M. P. Hervis. No. 880,450; Feb. 25; Sp. p. 5278; Dr. p. 1110; Gaz. vol. 132; p. 1793.
- Automobile steering means. A. Balloco. No. 900,975; Oct. 13; Sp. p. 1927; Dr. p. 392; Gaz. vol. 136; p. 1396.
- Automobile steering mechanism. J. M. Mack. No. 904,137; Nov. 17; Sp. p. 3255; Gaz. vol. 137; p. 560.
- Automobile suspension-frame. R. Herman. No. 890,981; June 16; Sp. p. 3661; Dr. p. 798; Gaz. vol. 134; p. 1699.
- Automobile-tire. W. Müller. No. 898,497; Sept. 15; Sp. p. 2534; Dr. p. 543; Gaz. vol. 136; p. 569.
- Automobile-tire detachable rim. R. E. Jeffery. No. 895,762; Aug. 11; Sp. p. 1970; Dr. p. 417; Gaz. vol. 135; p. 1243.
- Automobile-tire-holder. F. S. Sutherland. No. 894,079; July 21; Sp. p. 3549; Dr. p. 728; Gaz. vol. 135; p. 618.
- Automobile-torpedoes, Ignition device for. F. M. Leavitt. No. 880,029; Feb. 25; Sp. p. 4421; Dr. p. 929; Gaz. vol. 132; p. 1653.
- Automobile-torpedoes, Starting-valve for. F. M. Leavitt. No. 880,030; Feb. 25; Sp. p. 4424; Dr. p. 929; Gaz. vol. 132; p. 1654.
- Automobile transmission-gear. J. W. Lambert. No. 878,072; Feb. 4; Sp. p. 365; Dr. pp. 75-6; Gaz. vol. 132; p. 907.
- Automobile transmission-gear and casing. E. J. Gulick. No. 904,774; Nov. 24; Sp. p. 4621; Gaz. vol. 137; p. 831.
- Automobile transmission-gearing. G. I. Mitchell. No. 896,034; Aug. 11; Sp. p. 2518; Dr. p. 547; Gaz. vol. 135; p. 1331.
- Automobile transmission mechanism. M. O. Reeves. No. 904,723; Nov. 24; Sp. p. 4497; Gaz. vol. 137; p. 814.
- Automobile vehicles, Drive and steering gear for. E. P. Cooper. No. 888,589; May 26; Sp. p. 4527; Dr. pp. 900-2; Gaz. vol. 134; p. 830.
- Automobile water-radiator. C. F. Schell. No. 895,205; Aug. 4; Sp. p. 867; Dr. pp. 181-2; Gaz. vol. 135; p. 1038.
- Automobile-wheel. K. Kohlmann and G. Andree. No. 891,841; June 30; Sp. p. 5420; Dr. p. 1172; Gaz. vol. 134; p. 2046.
- Automobile-wheel. J. Laus, Jr. No. 899,876; Sept. 29; Sp. p. 5247; Dr. pp. 1121-2; Gaz. vol. 136; p. 980.
- Automobile-wheels, Anti skidding and slipping attachment for. H. H. Chandler. No. 901,591; Oct. 20; Sp. p. 3200; Dr. p. 655; Gaz. vol. 136; p. 1634.
- Automobile-wheels, &c., Tire-tread chain for. J. C. Thomas. No. 894,084; July 21; Sp. p. 3560; Dr. p. 733; Gaz. vol. 135; p. 620.
- Automobiles, Air-purifying device for. H. E. Whiting. No. 903,122; Nov. 3; Sp. p. 1174; Gaz. vol. 137; p. 191.
- Automobiles and like vehicles, Generation, control, and transmission of electric energy, particularly for use on. A. H. Midgley. No. 904,794; Nov. 24; Sp. p. 4663; Gaz. vol. 137; p. 838.
- Automobiles and other vehicles, Air-cushion and air-compressor for. W. H. Nelson and L. W. Galloway. No. 887,505; May 12; Sp. p. 2407; Dr. p. 507; Gaz. vol. 134; p. 414.
- Automobiles and other vehicles, Elastic securing device for doors of. F. Charron. No. 883,938; Apr. 7; Sp. p. 544; Dr. p. 168; Gaz. vol. 133; p. 1279.
- Automobiles and other vehicles, Folding shield for. F. Jackson. No. 894,271; July 28; Sp. p. 3974; Dr. pp. 819-20; Gaz. vol. 135; p. 701.
- Automobiles and the like, Cooler for. J. D. Maxwell. No. 892,864; July 7; Sp. p. 944; Dr. p. 199; Gaz. vol. 135; p. 158.
- Automobiles, Antivibration device for. C. C. Dodge. No. 881,227; Mar. 10; Sp. p. 1471; Dr. p. 316; Gaz. vol. 133; p. 278.
- Automobiles, Apparatus for making seat-bodies for. M. H. Kashian. No. 878,636; Feb. 11; Sp. p. 1604; Dr. p. 327; Gaz. vol. 132; p. 1128.
- Automobiles, Combined lamp and license holder for. J. M. Sharp. No. 903,014; Nov. 3; Sp. p. 973; Gaz. vol. 137; p. 161.
- Automobiles, Cushion attachment for. J. E. Marriner. No. 887,002; May 5; Sp. p. 1319; Dr. p. 277; Gaz. vol. 134; p. 219.
- Automobiles, Differential clutch mechanism for. F. W. Hedgeland. No. 906,016; Dec. 8; Sp. p. 1776; Gaz. vol. 137; p. 1305.
- Automobiles, Differential clutch mechanism for. F. W. Hedgeland. No. 906,017; Dec. 8; Sp. p. 1779; Gaz. vol. 137; p. 1306.
- Automobiles, Disappearing luggage-carrier for. E. T. Robinson. No. 897,664; Sept. 1; Sp. p. 860; Dr. pp. 183-4; Gaz. vol. 136; p. 138.
- Automobiles, &c., Driving mechanism for. H. K. Holman. No. 878,954; Feb. 11; Sp. p. 2199; Dr. pp. 400-1; Gaz. vol. 132; p. 1230.
- Automobiles, Dust-removing and exhaust device for. P. N. Ramsey. No. 887,227; May 12; Sp. p. 1777; Dr. p. 373; Gaz. vol. 134; p. 319.
- Automobiles, Electric-lighting system for. F. L. Parrill. No. 892,445; July 7; Sp. p. 112; Dr. p. 24; Gaz. vol. 135; p. 22.
- Automobiles, Friction driving mechanism for. J. W. Lambert. No. 877,438; Jan. 21; Sp. p. 3592; Dr. p. 778; Gaz. vol. 132; p. 653.
- Automobiles, Garment, umbrella, and cane rack for. E. T. Robinson. No. 904,150; Nov. 17; Sp. p. 3280; Gaz. vol. 137; p. 595.
- Automobiles, Glass front for. J. Wieden. No. 892,481; July 7; Sp. p. 174; Dr. p. 37; Gaz. vol. 135; p. 34.
- Automobiles, Latch for change-speed gears for. E. L. P. Mors. No. 883,557; Mar. 31; Sp. p. 6156; Dr. p. 1309; Gaz. vol. 133; p. 1127.
- Automobiles, Motor driven and steered for carriage for. L. Krieger. No. 886,990; May 5; Sp. p. 1291; Dr. p. 272; Gaz. vol. 134; p. 215.
- Automobiles, Power device for moving. B. J. French. No. 891,767; June 23; Sp. p. 5242; Dr. p. 1136; Gaz. vol. 134; p. 1990.
- Automobiles, Radiator for. A. L. F. Holzer. No. 892,832; July 7; Sp. p. 576; Dr. pp. 187-8; Gaz. vol. 135; p. 148.
- Automobiles, Steering-knuckle for. H. Smith. No. 8,6,104; Jan. 7; Sp. p. 815; Dr. p. 175; Gaz. vol. 132; p. 139.
- Automobiles, Steering-wheel pivot and pivot-bearing for. J. Vollmer. No. 885,111; Apr. 21; Sp. p. 2948; Dr. p. 625; Gaz. vol. 133; p. 1721.
- Automobiles, Supplemental hood for. C. L. Hobbs. No. 901,616; Oct. 20; Sp. p. 3239; Dr. p. 664; Gaz. vol. 136; p. 1641.
- Automobiles, &c., Tire and luggage carrier for. J. J. Bond. No. 879,511; Feb. 13; Sp. p. 3326; Dr. p. 695; Gaz. vol. 132; p. 1451.
- Automobiles, Transmission-gearing for. E. G. Hoffmann. No. 887,033; May 12; Sp. p. 1510; Dr. p. 320; Gaz. vol. 134; p. 277.
- Automobilists and chauffeurs, Head-covering for. C. N. Bruzard. No. 901,320; Oct. 20; Sp. p. 2585; Dr. p. 530; Gaz. vol. 136; p. 1541.
- Autosleigh. C. W. Dennis. No. 905,058; Nov. 24; Sp. p. 5188; Gaz. vol. 137; p. 926.
- Auto-vehicles, Automatic controller for the speed of. T. B. Ford. No. 8,6,164; Jan. 7; Sp. p. 627; Dr. p. 200; Gaz. vol. 132; p. 158.
- Auxiliary engine. J. Hutchings. No. 875,776; Jan. 28; Sp. p. 4261; Dr. p. 925; Gaz. vol. 132; p. 733.
- Auxiliary heater. W. C. Richman. No. 885,035; May 19; Sp. p. 3440; Dr. p. 723; Gaz. vol. 134; p. 618.
- Auxiliary heater. W. C. Richman. No. 897,661; Sept. 1; Sp. p. 848; Dr. p. 179; Gaz. vol. 136; p. 136.
- Averruncator. G. F. Nilsson. No. 877,220; Jan. 21; Sp. p. 3180; Dr. p. 689; Gaz. vol. 132; p. 583.
- Awl, Self-feeding sewing-. E. Blossfeld. No. 891,201; June 16; Sp. p. 4064; Dr. p. 891; Gaz. vol. 134; p. 1769.
- Awl, Sewing-. C. A. Connan. No. 885,913; Apr. 28; Sp. p. 4608; Dr. p. 966; Gaz. vol. 133; p. 2011.
- Awl, Sewing-. J. W. Morgan. No. 891,358; June 23; Sp. p. 4404; Dr. p. 9; Gaz. vol. 134; p. 1854.
- Awl, Sewing-. C. Stewart. No. 893,206; July 14; Sp. p. 1661; Dr. p. 351; Gaz. vol. 135; p. 360.
- Awning. W. W. and F. L. Schwemer. No. 886,256; Apr. 28; Sp. p. 5293; Dr. p. 1115; Gaz. vol. 133; p. 2124.
- Awning. M. Riley. No. 889,049; May 26; Sp. p. 5478; Dr. pp. 1165-6; Gaz. vol. 134; p. 979.
- Awning. A. L. Penfound. No. 897,775; Sept. 1; Sp. p. 1085; Dr. pp. 232-3; Gaz. vol. 136; p. 173.
- Awning. W. G. Buschemeyer and G. R. Caspari. No. 904,305; Nov. 17; Sp. p. 3641; Gaz. vol. 137; p. 649.
- Awning-fastening, Separable. J. R. Sullivan. No. 895,122; Aug. 4; Sp. p. 698; Dr. p. 146; Gaz. vol. 135; p. 1010.
- Awning-fixture. J. Wilkinson. No. 890,000; June 9; Sp. p. 1608; Dr. p. 660; Gaz. vol. 134; p. 144.
- Awning-operator, Electric. E. U. Giovannoni. No. 888,157; May 19; Sp. p. 3671; Dr. p. 767; Gaz. vol. 134; p. 656.
- Awning, Porch-. C. Frantz. No. 878,284; Feb. 4; Sp. p. 799; Dr. p. 160; Gaz. vol. 132; p. 977.
- Awning reflector-screen. J. N. Laprés. No. 901,715; Oct. 20; Sp. p. 3483; Dr. p. 705; Gaz. vol. 136; p. 1675.
- Awning-support. J. C. McNamara. No. 895,578; Aug. 11; Sp. p. 1607; Dr. p. 339; Gaz. vol. 135; p. 1183.
- Awnings, &c., Clasp for hanging. C. A. Rôpe and P. L. Zimmerman. No. 894,058; July 21; Sp. p. 3517; Dr. p. 720; Gaz. vol. 135; p. 611.
- Awnings, Means for operating roller-. N. Roe. No. 895,200; Aug. 4; Sp. p. 852; Dr. p. 179; Gaz. vol. 135; p. 1036.
- Ax. C. A. Wilcox. No. 884,250; Apr. 7; Sp. p. 1197; Dr. p. 252; Gaz. vol. 133; p. 1381.
- Ax attachment for sawing logs. L. Smith. No. 880,412; Feb. 25; Sp. p. 5193; Dr. p. 1095; Gaz. vol. 132; p. 1780.
- Ax-head-locking device. F. Buck. No. 877,549; Jan. 28; Sp. p. 3844; Dr. p. 831; Gaz. vol. 132; p. 711.
- Ax-helve. H. Hall. No. 890,509; June 9; Sp. p. 2639; Dr. p. 533; Gaz. vol. 134; p. 1510.
- Axle. F. Scanlan. No. 879,327; Feb. 18; Sp. p. 2934; Dr. p. 612; Gaz. vol. 132; p. 1391.
- Axle. E. G. Hartle. No. 880,990; Mar. 3; Sp. p. 1006; Dr. p. 216; Gaz. vol. 133; p. 171.
- Axle. E. P. Zahnter and J. Kunzmann. No. 882,773; Mar. 24; Sp. p. 4529; Dr. p. 967; Gaz. vol. 133; p. 841.
- Axle. O. Zachow and W. Besserdich. No. 882,986; Mar. 24; Sp. p. 4963; Dr. p. 1056; Gaz. vol. 133; p. 912.
- Axle. R. V. Lee. No. 892,436; July 7; Sp. p. 89; Dr. p. 20; Gaz. vol. 135; p. 19.
- Axle. D. E. Ross. No. 893,549; July 14; Sp. p. 2370; Dr. p. 495; Gaz. vol. 135; p. 413.
- Axle. B. W. Berry. No. 904,672; Nov. 24; Sp. p. 4392; Gaz. vol. 137; p. 797.
- Axle. J. C. Heinzelman. No. 905,699; Dec. 1; Sp. p. 1164; Gaz. vol. 137; p. 1172.
- Axle, Adjustable vehicle-. E. A. Hettick and J. I. Sharp. No. 893,800; July 21; Sp. p. 2969; Dr. pp. 607-8; Gaz. vol. 135; p. 526.
- Axle and bearing for grain-seeding machines. C. L. Fowie. No. 883,709; Apr. 7; Sp. p. 66; Dr. p. 10; Gaz. vol. 133; p. 1203.
- Axle and wheel, Center-drive. J. and H. McGeorge. No. 884,752; Apr. 14; Sp. p. 2228; Dr. pp. 470-1; Gaz. vol. 133; p. 1575.
- Axle, Automobile-. A. J. Lehman. No. 876,973; Jan. 21; Sp. p. 2649; Dr. p. 576; Gaz. vol. 132; p. 500.
- Axle, Ball-bearing. F. L. Bryant. No. 899,016; June 9; Sp. p. 1636; Dr. p. 566; Gaz. vol. 134; p. 1350.
- Axle, Ball-bearing vehicle-. J. D. McIntosh. No. 891,092; June 16; Sp. p. 3851; Dr. p. 842; Gaz. vol. 134; p. 1735.
- Axle-bearing. C. M. Dordity. No. 902,058; Oct. 27; Sp. p. 4166; Dr. p. 843; Gaz. vol. 136; p. 1815.

Alphabetical list of inventions—Continued.

- Axle-box. E. J. Wood and G. Carson. No. 889,422; June 2; Sp. p. 463; Dr. p. 110; Gaz. vol. 134; p. 1133.
 Axle-box. J. R. Fleming. No. 902,956; Nov. 3; Sp. p. 832; Gaz. vol. 137; p. 141.
 Axle-box lid, Car. F. Hachmann and W. Erickson. No. 875,809; Jan. 7; Sp. p. 254; Dr. pp. 54-5; Gaz. vol. 132; p. 4.
 Axle-box lid, Car. C. C. Barclay and F. Hachmann. No. 879,137; Feb. 18; Sp. p. 2568; Dr. pp. 534-5; Gaz. vol. 132; p. 1328.
 Axle-box lid, Car. H. I. McMahon. No. 894,896; Aug. 4; Sp. p. 201; Dr. pp. 44-5; Gaz. vol. 135; p. 132.
 Axle-box lubricating-packing holder, Car. J. S. Patten. (Reissue.) No. 12,786; Apr. 28; Sp. p. 5498; Dr. p. 1150; Gaz. vol. 133; p. 2153.
 Axle-box pedestal-gib. S. M. Vauclain. No. 908,359; Dec. 29; Sp. p. 6475; Gaz. vol. 137; p. 2164.
 Axle-box, Self-oiling. G. C. Benjamin. No. 899,941; Sept. 29; Sp. p. 5387; Dr. p. 1149; Gaz. vol. 136; p. 1000.
 Axle-boxes to axles, Device for securing. C. E. Heckman. No. 885,153; Apr. 21; Sp. p. 3058; Dr. p. 642; Gaz. vol. 133; p. 1735.
 Axle, Car. M. H. Bullard. No. 895,337; Aug. 4; Sp. p. 1130; Dr. p. 237; Gaz. vol. 135; p. 1082.
 Axle, Carriage. R. E. Johnson. No. 900,859; Oct. 13; Sp. p. 1675; Dr. p. 339; Gaz. vol. 136; p. 1358.
 Axle, Cast-iron. E. R. Robinson. No. 887,848; May 19; Sp. p. 3087; Dr. p. 647; Gaz. vol. 134; p. 557.
 Axle, Combined steering and driving. P. Daniel. No. 877,835; Jan. 28; Sp. p. 4370; Dr. p. 950; Gaz. vol. 132; p. 801.
 Axle, Compound vehicle. S. H. Preston. No. 897,143; Aug. 25; Sp. p. 4782; Dr. p. 1018; Gaz. vol. 135; p. 1739.
 Axle device, Differential. B. R. Seabrook and F. C. Priestly. No. 891,958; June 30; Sp. p. 5665; Dr. p. 1220; Gaz. vol. 134; p. 2085.
 Axle driving-gear for dynamos, Car. W. I. Thomson. No. 881,744; Mar. 10; Sp. p. 2490; Dr. p. 536; Gaz. vol. 133; p. 444.
 Axle for motor road-vehicles. J. and A. Niclausse. No. 899,891; Sept. 29; Sp. p. 5272; Dr. p. 1127; Gaz. vol. 136; p. 985.
 Axle for motor-vehicles, Combination steering and driving. J. P. Carpenter. No. 885,585; Apr. 21; Sp. p. 3936; Dr. pp. 821-2; Gaz. vol. 133; p. 1873.
 Axle for tilting platforms, Drop. W. L. Hansen and A. Hayes. No. 881,216; Mar. 10; Sp. p. 1648; Dr. p. 353; Gaz. vol. 133; p. 307.
 Axle-journal. W. Betz. No. 902,853; Nov. 3; Sp. p. 651; Gaz. vol. 137; p. 109.
 Axle-journal-boxes, Dust guard for car. R. E. Frame. No. 877,318; Jan. 21; Sp. p. 3371; Dr. p. 730; Gaz. vol. 132; p. 614.
 Axle lighting system. A. McGary. No. 906,055; Dec. 8; Sp. p. 1845; Gaz. vol. 137; p. 1317.
 Axle lighting system. A. McGary. No. 906,056; Dec. 8; Sp. p. 1851; Gaz. vol. 137; p. 1318.
 Axle-lubricating attachment. J. Aden. No. 893,122; July 14; Sp. p. 1488; Dr. pp. 314-15; Gaz. vol. 135; p. 274.
 Axle-lubricating device. M. H. Elliott. No. 888,322; May 19; Sp. p. 3967; Dr. p. 836; Gaz. vol. 134; p. 709.
 Axle-lubricator. J. Thoml. No. 885,403; Apr. 21; Sp. p. 3584; Dr. p. 750; Gaz. vol. 133; p. 1819.
 Axle-lubricator. F. L. Husted. No. 895,567; Aug. 11; Sp. p. 1586; Dr. p. 335; Gaz. vol. 135; p. 1180.
 Axle-lubricator. E. Meyer and E. C. Schifers. No. 897,915; Sept. 8; Sp. p. 1392; Dr. p. 297; Gaz. vol. 136; p. 251.
 Axle-lubricator. J. Aden. No. 900,252; Oct. 6; Sp. p. 363; Dr. p. 76; Gaz. vol. 136; p. 1132.
 Axle-lubricator. H. Gearman. No. 901,165; Oct. 13; Sp. p. 2274; Dr. p. 463; Gaz. vol. 136; p. 1457.
 Axle-lubricator. E. H. Barker. No. 906,675; Dec. 15; Sp. p. 3012; Gaz. vol. 137; p. 1543.
 Axle-lubricator, Vehicle. C. R. Dodge. No. 8,6,151; Jan. 7; Sp. p. 911; Dr. p. 196; Gaz. vol. 132; p. 154.
 Axle, Road-vehicle wheel. L. Granieri. No. 903,080; Nov. 3; Sp. p. 1102; Gaz. vol. 137; p. 179.
 Axle, Self-lubricating vehicle. B. F. Willett. No. 887,561; May 12; Sp. p. 2512; Dr. p. 529; Gaz. vol. 134; p. 432.
 Axle-setter. J. S. Cross. No. 902,716; Nov. 3; Sp. p. 371; Gaz. vol. 137; p. 63.
 Axle-skein. J. Tanek and J. C. Johnson. No. 881,499; Mar. 10; Sp. p. 2007; Dr. p. 438; Gaz. vol. 133; p. 365.
 Axle-skein. S. K. Dennis. No. 902,214; Oct. 27; Sp. p. 4477; Dr. p. 906; Gaz. vol. 136; p. 1865.
 Axle-spindle. T. L. Martin. No. 900,562; Oct. 6; Sp. p. 1059; Dr. p. 217; Gaz. vol. 136; p. 1235.
 Axle-spindle, Turning. S. A. Davis. No. 905,410; Dec. 1; Sp. p. 562; Gaz. vol. 137; p. 1080.
 Axle-straightener. J. Q. Taylor. No. 884,429; Apr. 14; Sp. p. 1532; Dr. p. 328; Gaz. vol. 133; p. 1467.
 Axle, Vehicle. S. E. Kimball. No. 880,145; Feb. 25; Sp. p. 4655; Dr. p. 981; Gaz. vol. 132; p. 1890.
 Axle, Vehicle. A. S. Frederick. No. 894,131; July 21; Sp. p. 3650; Dr. p. 753; Gaz. vol. 135; p. 635.
 Axle, Vehicle. W. G. Meyer. No. 898,588; Sept. 15; Sp. p. 2711; Dr. pp. 579-80; Gaz. vol. 136; p. 498.
 Axle, Vehicle. W. Betz. No. 902,852; Nov. 3; Sp. p. 650; Gaz. vol. 137; p. 108.
 Axle, Vehicle. H. B. Bush. No. 903,447; Nov. 10; Sp. p. 1811; Gaz. vol. 137; p. 329.
 Axles, Driving mechanism for swinging. A. H. Fetzner. No. 900,503; Oct. 6; Sp. p. 936; Dr. p. 190; Gaz. vol. 136; p. 1214.
 Axles, Machine for turning cranked. H. W. Jacobs. No. 899,536; Sept. 29; Sp. p. 4523; Dr. pp. 971-2; Gaz. vol. 136; p. 869.
 Baby-tender. R. L. Richardson. No. 888,850; May 26; Sp. p. 5095; Dr. p. 1086; Gaz. vol. 134; p. 914.
 Baby-walker. M. S. Davis. No. 899,030; Sept. 22; Sp. p. 3543; Dr. p. 757; Gaz. vol. 136; p. 669.
 Back and head rest. C. H. Spotz and G. A. Spencer. No. 884,534; Apr. 14; Sp. p. 1751; Dr. p. 377; Gaz. vol. 133; p. 1501.
 Back-band. M. Holts. No. 893,925; July 21; Sp. p. 3222; Dr. p. 664; Gaz. vol. 135; p. 566.
 Back-band and hook attachment therefor. W. O. Barnett. No. 901,060; Oct. 13; Sp. p. 2089; Dr. p. 425; Gaz. vol. 136; p. 1424.
 Back-band hook. H. P. Little. No. 881,809; Mar. 10; Sp. p. 2611; Dr. p. 560; Gaz. vol. 133; p. 465.
 Back-pedaling brake. A. P. Morrow. No. 906,149; Dec. 8; Sp. p. 2032; Gaz. vol. 137; p. 1348.
 Back-spacing device. J. W. Paul. No. 892,614; July 7; Sp. p. 413; Dr. p. 92; Gaz. vol. 135; p. 77.
 Back-supporter. J. H. Mueller. No. 880,904; Mar. 3; Sp. p. 859; Dr. p. 183; Gaz. vol. 133; p. 144.
 Badge. L. P. Wickland. No. 894,415; July 28; Sp. p. 4273; Dr. p. 882; Gaz. vol. 135; p. 749.
 Badge. F. R. Bignold. No. 903,537; Nov. 10; Sp. p. 2009; Gaz. vol. 137; p. 360.
 Badge. J. Bretz, Jr. No. 908,069; Dec. 29; Sp. p. 5555; Gaz. vol. 137; p. 2065.
 Bag. See Animal-breeder's bag; Clothes-pin bag; Feed-bag; Garbage-bag; Golf-bag; Hand-bag; Laundry-bag; Nose-bag; Paper bag; Self-opening bag; Self-opening paper bag; Traveling-bag; Valve-bag.
 Bag. F. L. Kirk. No. 885,488; Apr. 21; Sp. p. 3726; Dr. p. 784; Gaz. vol. 133; p. 1844.
 Bag. I. J. Levy. No. 894,510; July 28; Sp. p. 4457; Dr. p. 923; Gaz. vol. 135; p. 780.
 Bag. J. E. Cornell. No. 895,435; Aug. 11; Sp. p. 1322; Dr. p. 278; Gaz. vol. 135; p. 1137.
 Bag. R. S. A. Moore. No. 906,447; Dec. 8; Sp. p. 2790; Gaz. vol. 137; p. 1445.
 Bag. T. T. Graser. No. 907,492; Dec. 22; Sp. p. 4636; Gaz. vol. 137; p. 1846.
 Bag and blank therefor. P. A. Frye. No. 899,723; Sept. 29; Sp. p. 4905; Dr. p. 1053; Gaz. vol. 136; p. 928.
 Bag-cleaning machine. G. M. Hasen. No. 899,397; Sept. 22; Sp. p. 4242; Dr. p. 910; Gaz. vol. 136; p. 787.
 Bag-closing device. L. Röd. No. 875,953; Jan. 7; Sp. p. 521; Dr. p. 111; Gaz. vol. 132; p. 91.
 Bag-closing mechanism. J. Rogers. No. 899,766; Sept. 29; Sp. p. 5009; Dr. p. 1073; Gaz. vol. 136; p. 944.
 Bag-closure. T. Manahan. No. 890,366; June 9; Sp. p. 2374; Dr. p. 523; Gaz. vol. 134; p. 1465.
 Bag-closure. T. Manahan. No. 905,897; Dec. 8; Sp. p. 1553; Gaz. vol. 137; p. 1268.
 Bag-fastener. G. L. Edgerton. No. 885,739; Apr. 28; Sp. p. 4265; Dr. p. 892; Gaz. vol. 133; p. 1953.
 Bag-fastener. C. Hierung and A. Fuller. No. 887,044; May 5; Sp. p. 1398; Dr. p. 297; Gaz. vol. 134; p. 232.
 Bag-fastener. S. W. Rohn and R. N. Sheldon. No. 889,046; May 26; Sp. p. 5475; Dr. p. 1165; Gaz. vol. 134; p. 979.
 Bag-fastener. J. J. Tavis. No. 892,330; June 30; Sp. p. 6362; Dr. p. 1372; Gaz. vol. 134; p. 2206.
 Bag-fastener. C. Hierung and A. Fuller. No. 908,004; Dec. 29; Sp. p. 5738; Gaz. vol. 137; p. 2044.
 Bag fastener, Hand. H. Meltzer and L. Karren. No. 896,311; Aug. 18; Sp. p. 3044; Dr. p. 654; Gaz. vol. 135; p. 1442.
 Bag fastening device, Hand. C. F. Kohlberger. No. 903,202; Nov. 10; Sp. p. 1336; Gaz. vol. 137; p. 249.
 Bag filling and tying machine. J. Rogers. No. 899,764; Sept. 29; Sp. p. 5000; Dr. pp. 1071-3; Gaz. vol. 136; p. 943.
 Bag filling and weighing machine. C. H. Reynolds. No. 8,6,092; Jan. 7; Sp. p. 797; Dr. p. 170; Gaz. vol. 132; p. 135.
 Bag-filling machine. J. C. and H. M. Sturgeon. No. 896,952; Aug. 25; Sp. p. 4381; Dr. pp. 938-9; Gaz. vol. 135; p. 1674.
 Bag-frame. J. F. Kitchell. No. 884,593; Apr. 14; Sp. p. 1879; Dr. pp. 402-3; Gaz. vol. 133; p. 1521.
 Bag-frame fastener. A. J. H. Kuhsiek. No. 883,647; Mar. 31; Sp. p. 6326; Dr. p. 1348; Gaz. vol. 133; p. 1155.
 Bag-frame lock. L. B. Prahar. No. 900,421; Oct. 6; Sp. p. 730; Dr. p. 152; Gaz. vol. 136; p. 1188.
 Bag-frame lock or fastener. F. J. Lau and A. Melzer. No. 886,708; May 5; Sp. p. 757; Dr. p. 155; Gaz. vol. 134; p. 127.
 Bag-frames, &c., Locking attachment for. S. Rosefsky and J. Siegel. No. 907,405; Dec. 22; Sp. p. 4439; Gaz. vol. 137; p. 1816.
 Bag-handle and bracelet. G. Auslander. No. 896,264; Aug. 18; Sp. p. 2939; Dr. p. 633; Gaz. vol. 135; p. 1427.
 Bag-holder. J. N. Peterson and F. P. Wernli. No. 875,847; Jan. 7; Sp. p. 317; Dr. p. 70; Gaz. vol. 132; p. 58.
 Bag-holder. Z. R. Brown. No. 874,336; Feb. 4; Sp. p. 906; Dr. p. 181; Gaz. vol. 132; p. 995.
 Bag-holder. A. R. Johnson. No. 879,177; Feb. 18; Sp. p. 2650; Dr. p. 552; Gaz. vol. 132; p. 1342.
 Bag-holder. R. V. Parr. No. 883,477; Mar. 31; Sp. p. 5988; Dr. p. 1277; Gaz. vol. 133; p. 1104.
 Bag-holder. J. C. Jacoby. No. 889,134; May 26; Sp. p. 5666; Dr. pp. 1199-1200; Gaz. vol. 134; p. 1006.
 Bag-holder. E. M. Sutton. No. 889,557; June 2; Sp. p. 734; Dr. p. 169; Gaz. vol. 134; p. 1175.
 Bag-holder. C. L. Bond. No. 889,751; June 2; Sp. p. 1097; Dr. p. 254; Gaz. vol. 134; p. 1236.
 Bag-holder. J. Hulbert. No. 895,759; Aug. 11; Sp. p. 1964; Dr. p. 416; Gaz. vol. 135; p. 1242.
 Bag-holder. H. Lane. No. 896,996; Aug. 25; Sp. p. 4487; Dr. p. 958; Gaz. vol. 135; p. 1689.
 Bag-holder. A. A. Smith. No. 900,221; Oct. 6; Sp. p. 308; Dr. p. 62; Gaz. vol. 136; p. 1122.
 Bag-holder. W. L. Herrick. No. 904,695; Nov. 24; Sp. p. 4443; Gaz. vol. 137; p. 805.
 Bag-holder. T. D. Hall. No. 906,794; Dec. 15; Sp. p. 3238; Gaz. vol. 137; p. 1581.
 Bag-holding device. J. B. Cusick and W. I. Scott. No. 884,798; Apr. 14; Sp. p. 2329; Dr. p. 489; Gaz. vol. 133; p. 1590.
 Bag-holding mechanism. P. Rudd. No. 892,185; June 30; Sp. p. 6084; Dr. pp. 1308-9; Gaz. vol. 134; p. 2158.

Alphabetical list of inventions—Continued.

- Bag-holding rack and twine-holder, Combined. J. B. Frear. No. 900,362; Oct. 6; Sp. p. 603; Dr. p. 125; Gaz. vol. 136; p. 1168.
- Bag-house. H. E. Benedict. No. 898,426; Sept. 15; Sp. p. 2397; Dr. pp. 512-14; Gaz. vol. 136; p. 447.
- Bag-lock. R. Masters. No. 892,534; July 7; Sp. p. 276; Dr. p. 61; Gaz. vol. 135; p. 51.
- Bag lock, Hand-. J. J. Woolfenden. No. 884,787; Apr. 14; Sp. p. 2313; Dr. p. 486; Gaz. vol. 133; p. 1587.
- Bag-machines, Body-forming mechanism of. T. M. Avery. No. 898,167; Sept. 8; Sp. p. 1903; Dr. pp. 406-7; Gaz. vol. 136; p. 331.
- Bag or purse fastener. L. B. Prahar. No. 886,855; May 5; Sp. p. 1049; Dr. p. 221; Gaz. vol. 134; p. 172.
- Bag, parcel, and box fastener. F. H. Sterling. No. 894,548; July 28; Sp. p. 4534; Dr. p. 939; Gaz. vol. 135; p. 792.
- Bag support, Feed-. E. J. Colgan. No. 904,046; Nov. 17; Sp. p. 3067; Gaz. vol. 137; p. 558.
- Bag-tie. M. E. Jewett. No. 885,695; Apr. 21; Sp. p. 4157; Dr. p. 870; Gaz. vol. 133; p. 1909.
- Bag-tier shears. J. Rogers. No. 899,765; Sept. 29; Sp. p. 5007; Dr. p. 1073; Gaz. vol. 136; p. 944.
- Bagging-cutting machine. R. Clark. No. 880,194; Feb. 25; Sp. p. 4749; Dr. p. 1006; Gaz. vol. 132; p. 1707.
- Baggage-check. D. C. Pullins. No. 897,146; Aug. 25; Sp. p. 4786; Dr. p. 1019; Gaz. vol. 135; p. 1739.
- Baggage-marker. E. S. Phillips. No. 888,528; May 26; Sp. p. 4396; Dr. p. 932; Gaz. vol. 134; p. 807.
- Baggage-rack. C. P. and F. E. Howard. No. 907,601; Dec. 22; Sp. p. 4857; Gaz. vol. 137; p. 1881.
- Baggage-roper. W. Barrott. No. 891,974; June 30; Sp. p. 5695; Dr. p. 1226; Gaz. vol. 134; p. 2090.
- Bail and hasp fastener. O. G. Collier. No. 883,451; Mar. 31; Sp. p. 5944; Dr. p. 1267; Gaz. vol. 133; p. 1095.
- Bail for flower-pots, Detachable. G. B. Hart. No. 876,872; Jan. 14; Sp. p. 2403; Dr. p. 523; Gaz. vol. 132; p. 424.
- Bailer. F. J. Moser. No. 896,566; Aug. 18; Sp. p. 3558; Dr. p. 765; Gaz. vol. 135; p. 1525.
- Bait, Artificial. J. B. Rhodes. No. 882,344; Mar. 17; Sp. p. 3714; Dr. p. 789; Gaz. vol. 133; p. 669.
- Bait, Artificial. J. E. Pepper. No. 885,861; Apr. 28; Sp. p. 4513; Dr. p. 947; Gaz. vol. 133; p. 1994.
- Bait, Artificial. E. A. Pfueger. No. 889,804; June 2; Sp. p. 1192; Dr. p. 276; Gaz. vol. 134; p. 1253.
- Bait, Artificial. A. G. Zamel. No. 890,549; June 9; Sp. p. 2712; Dr. p. 599; Gaz. vol. 134; p. 1524.
- Bait, Artificial. C. D. Caldwell. No. 891,037; June 16; Sp. p. 3755; Dr. pp. 819-20; Gaz. vol. 134; p. 1718.
- Bait, Artificial. G. H. Slocum and H. J. Hokamp. No. 903,333; Nov. 10; Sp. p. 1598; Gaz. vol. 137; p. 293.
- Bait-casting reel used in angling. A. H. Illingworth. No. 879,468; Feb. 18; Sp. p. 3242; Dr. p. 675; Gaz. vol. 132; p. 1436.
- Bait-holder. E. A. Osterhout. No. 885,642; May 19; Sp. p. 4058; Dr. p. 848; Gaz. vol. 133; p. 1891.
- Bait-holder. L. R. Balken. No. 886,337; May 5; Sp. p. 2; Dr. p. 1; Gaz. vol. 134; p. 3.
- Bait, hooks, lures, or the like, Safety-protector for anglers'. E. J. B. Buckle. No. 890,017; June 9; Sp. p. 1639; Dr. p. 366; Gaz. vol. 134; p. 1350.
- Bait-trap. J. E. Thiaville. No. 885,402; Apr. 21; Sp. p. 3582; Dr. pp. 749-50; Gaz. vol. 133; p. 1818.
- Bake-pan. M. Olshaskie. No. 902,904; Nov. 3; Sp. p. 759; Gaz. vol. 137; p. 125.
- Baker and broiler, Portable. W. C. Grant. No. 897,459; Sept. 1; Sp. p. 451; Dr. p. 96; Gaz. vol. 136; p. 71.
- Baker, Fireless. A. T. Thoits and J. G. Gronberg. No. 898,527; Sept. 15; Sp. p. 2599; Dr. p. 555; Gaz. vol. 136; p. 479.
- Baker's tool. G. F. Zinn. No. 890,390; June 9; Sp. p. 2417; Dr. p. 533; Gaz. vol. 134; p. 1472.
- Baking appliance, Biscuit-. W. E. Williams. No. 896,964; Aug. 25; Sp. p. 4421; Dr. p. 945; Gaz. vol. 135; p. 1678.
- Baking machine, Sugar-wafer-. F. M. Peters. No. 881,824; Mar. 10; Sp. p. 2641; Dr. pp. 566-7; Gaz. vol. 133; p. 470.
- Baking-pan. J. A. Bailey. No. 873,434; Feb. 18; Sp. p. 3167; Dr. p. 659; Gaz. vol. 132; p. 1426.
- Baking-pan. T. Boyd. No. 882,094; Mar. 17; Sp. p. 3233; Dr. p. 687; Gaz. vol. 133; p. 588.
- Baking-pan. M. L. Leahy. No. 891,085; June 16; Sp. p. 3840; Dr. p. 839; Gaz. vol. 134; p. 1733.
- Baking-pan, Sanitary. W. H. Perry. No. 901,999; Oct. 27; Sp. p. 4058; Dr. p. 823; Gaz. vol. 136; p. 1797.
- Baking-powder. F. Blumenthal. No. 883,165; Mar. 31; Sp. p. 5325; Gaz. vol. 133; p. 1000.
- Balance. J. Nelson. No. 897,389; Sept. 1; Sp. p. 302; Dr. p. 62; Gaz. vol. 136; p. 46.
- Balancer set. L. E. Underwood and R. W. Douglass. No. 881,636; Mar. 10; Sp. p. 2285; Dr. p. 495; Gaz. vol. 133; p. 411.
- Balancer set. R. W. Douglass. No. 888,392; May 19; Sp. p. 4109; Dr. p. 867; Gaz. vol. 134; p. 731.
- Balancing-machine. J. Riddell. No. 890,710; June 16; Sp. p. 3080; Dr. p. 677; Gaz. vol. 134; p. 1610.
- Bale-binding attachment for hay-presses. C. T. Miller and G. A. Carlson. No. 879,975; Feb. 25; Sp. p. 4318; Dr. p. 904; Gaz. vol. 132; p. 1636.
- Bale-forming apparatus. E. Reagan. No. 877,122; Jan. 21; Sp. p. 2959; Dr. pp. 638-40; Gaz. vol. 132; p. 549.
- Bale hook and wire-cutter, Combination hay-. J. Vasey. No. 877,619; Jan. 28; Sp. p. 3979; Dr. p. 859; Gaz. vol. 132; p. 733.
- Bale-tie. A. O. Briganee. No. 881,053; Mar. 3; Sp. p. 1119; Dr. p. 242; Gaz. vol. 133; p. 191.
- Bale-tie. W. D. Ferris. No. 885,917; Apr. 28; Sp. p. 4630; Dr. p. 972; Gaz. vol. 133; p. 2013.
- Bale-tie. L. Alverson and R. L. Horsley. No. 889,169; May 26; Sp. p. 5751; Dr. p. 1217; Gaz. vol. 134; p. 1019.
- Bale-tie. T. S. Drake. No. 902,864; Nov. 3; Sp. p. 672; Gaz. vol. 137; p. 112.
- Bale-tie. D. Margolius. No. 902,984; Nov. 3; Sp. p. 901; Gaz. vol. 137; p. 151.
- Bale-tie. S. Cary. No. 903,128; Nov. 3; Sp. p. 1185; Gaz. vol. 137; p. 193.
- Bale-tie. C. V. Trautman and E. Holmes. No. 906,584; Dec. 15; Sp. p. 2845; Gaz. vol. 137; p. 1515.
- Bale tie, Cotton-. W. C. Ragsdale. No. 888,351; May 19; Sp. p. 4035; Dr. p. 851; Gaz. vol. 134; p. 719.
- Bale-tie fastener. E. Young and J. J. Schlichter. No. 879,232; Feb. 18; Sp. p. 2742; Dr. p. 573; Gaz. vol. 132; p. 1359.
- Bale-tie-making machine. W. D. Ferris. No. 885,916; Apr. 28; Sp. p. 4615; Dr. pp. 967-72; Gaz. vol. 133; p. 2012.
- Bale-tying attachment to hay-presses. D. B. Wood. No. 893,216; July 14; Sp. p. 1676; Dr. pp. 354-5; Gaz. vol. 135; p. 303.
- Bales, Applying identifying-strips to. W. L. McCarty. No. 893,748; July 21; Sp. p. 2865; Dr. p. 589; Gaz. vol. 135; p. 509.
- Bales with wire, Apparatus for securing compressed. F. M. Giddings. No. 889,848; June 2; Sp. p. 1275; Dr. p. 293; Gaz. vol. 134; p. 1267.
- Baler division-block, Hay-. H. N. and W. C. Ellis. No. 895,081; Aug. 4; Sp. p. 608; Dr. p. 127; Gaz. vol. 135; p. 995.
- Baler, Hay-. R. E. Zimmerman. No. 878,445; Feb. 4; Sp. p. 1095; Dr. p. 224; Gaz. vol. 132; p. 1029.
- Baler, Hay-. N. W. Young. No. 893,830; July 21; Sp. p. 3044; Dr. p. 622; Gaz. vol. 135; p. 537.
- Baling and other press. H. I. Roberts. No. 906,660; Dec. 15; Sp. p. 2979; Gaz. vol. 137; p. 1538.
- Baling device. G. N. Campbell. No. 874,342; Feb. 4; Sp. p. 919; Dr. p. 183; Gaz. vol. 132; p. 997.
- Baling-machine. O. S. and C. F. Lee. No. 899,309; Sept. 22; Sp. p. 4089; Dr. pp. 873-6; Gaz. vol. 136; p. 759.
- Baling machine, Broom-corn-. C. K. Miller. No. 877,939; Feb. 4; Sp. p. 92; Dr. p. 21; Gaz. vol. 132; p. 864.
- Baling-press. J. A. Hutton and W. H. Himbury. No. 876,553; Jan. 14; Sp. p. 1763; Dr. pp. 384-5; Gaz. vol. 132; p. 320.
- Baling-press. C. L. Cookson. No. 877,173; Jan. 21; Sp. p. 3079; Dr. p. 356; Gaz. vol. 132; p. 566.
- Baling-press. J. S. Tuttle. No. 877,228; Jan. 21; Sp. p. 3190; Dr. p. 692; Gaz. vol. 132; p. 586.
- Baling-press. L. P. Agnew. No. 877,819; Jan. 28; Sp. p. 4330; Dr. pp. 940-1; Gaz. vol. 132; p. 795.
- Baling-press. L. B. Metcalf. No. 878,978; Feb. 11; Sp. p. 2243; Dr. p. 469; Gaz. vol. 132; p. 1237.
- Baling-press. W. G. Merrill. No. 879,292; Feb. 18; Sp. p. 2877; Dr. p. 600; Gaz. vol. 132; p. 1380.
- Baling-press. A. J. Laidlaw. No. 880,800; Mar. 3; Sp. p. 631; Dr. p. 132; Gaz. vol. 133; p. 109.
- Baling-press. E. H. McMurry. No. 883,145; Mar. 24; Sp. p. 5275; Dr. p. 1125; Gaz. vol. 133; p. 963.
- Baling-press. J. J. Stopple. No. 883,758; Apr. 7; Sp. p. 155; Dr. p. 28; Gaz. vol. 133; p. 1218.
- Baling-press. G. W. Shepard. No. 884,530; Apr. 14; Sp. p. 1746; Dr. pp. 375-6; Gaz. vol. 133; p. 1500.
- Baling-press. J. S. Tuttle. No. 885,204; Apr. 21; Sp. p. 3178; Dr. p. 665; Gaz. vol. 133; p. 1752.
- Baling-press. D. Hendershot. No. 887,635; May 12; Sp. p. 2647; Dr. p. 558; Gaz. vol. 134; p. 456.
- Baling-press. P. K. Dederick. No. 891,329; June 23; Sp. p. 4344; Dr. p. 947; Gaz. vol. 134; p. 1844.
- Baling-press. W. L. McCarty. No. 893,747; July 21; Sp. p. 2862; Dr. p. 588; Gaz. vol. 135; p. 508.
- Baling-press. J. W. Hamilton. No. 894,137; July 21; Sp. p. 3664; Dr. p. 757; Gaz. vol. 135; p. 637.
- Baling-press. C. Clark. No. 894,876; Aug. 4; Sp. p. 142; Dr. pp. 31-4; Gaz. vol. 135; p. 925.
- Baling-press. H. C. Betts. No. 894,934; Aug. 4; Sp. p. 322; Dr. p. 65; Gaz. vol. 135; p. 946.
- Baling-press. S. G. Gilleland. No. 896,102; Aug. 18; Sp. p. 2642; Dr. p. 571; Gaz. vol. 135; p. 1375.
- Baling-press. S. G. Gilleland. No. 898,868; Sept. 15; Sp. p. 3236; Dr. p. 694; Gaz. vol. 136; p. 588.
- Baling-press. A. B. Bennett. No. 899,502; Sept. 29; Sp. p. 4449; Dr. p. 955; Gaz. vol. 136; p. 857.
- Baling-press. J. W. Galbreath. No. 899,663; Sept. 29; Sp. p. 4786; Dr. pp. 1024-6; Gaz. vol. 136; p. 910.
- Baling-press. T. Guidry. No. 899,666; Sept. 29; Sp. p. 4795; Dr. p. 1027; Gaz. vol. 136; p. 910.
- Baling-press. C. E. Wehrenberg. (Reissue.) No. 12,865; Oct. 13; Sp. p. 2571; Dr. pp. 528-9; Gaz. vol. 136; p. 1504.
- Baling-press. F. McKinney. No. 906,265; Dec. 8; Sp. p. 2259; Gaz. vol. 137; p. 1388.
- Baling-press attachment. J. H. Jackson. No. 882,469; Mar. 17; Sp. p. 3921; Dr. p. 839; Gaz. vol. 133; p. 709.
- Baling-press automatic bale-wiring mechanism. R. C. Redpath. No. 894,394; July 28; Sp. p. 4225; Dr. pp. 871-2; Gaz. vol. 135; p. 742.
- Baling-press binding attachment. G. A. Miller. No. 881,432; Mar. 10; Sp. p. 1873; Dr. pp. 407-8; Gaz. vol. 133; p. 343.
- Baling-press elevator. W. Parker. No. 897,134; Aug. 25; Sp. p. 4759; Dr. p. 1013; Gaz. vol. 135; p. 1736.
- Baling press, Hay-. H. M. Tallman. No. 901,849; Oct. 20; Sp. p. 3726; Dr. p. 758; Gaz. vol. 136; p. 1716.
- Baling-press indicator. C. A. Whitehorn. No. 878,169; Feb. 4; Sp. p. 578; Dr. p. 118; Gaz. vol. 132; p. 939.
- Baling-presses, Alarm attachment for. L. B. Kimble. No. 898,583; Sept. 15; Sp. p. 2705; Dr. p. 578; Gaz. vol. 136; p. 496.
- Baling-presses, Wire-uniting mechanism for. W. L. Lyon. No. 899,014; Sept. 15; Sp. p. 3505; Dr. pp. 750-1; Gaz. vol. 136; p. 636.
- Ball. See Bowling-ball; Golf-ball; Playing-ball; Return-ball; Self-rolling ball.
- Ball-and-socket joint for pipe connections. J. H. Windemuller. No. 888,283; May 19; Sp. p. 3915; Dr. p. 824; Gaz. vol. 134; p. 699.

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- Ball-bearing wheel. W. Sparks. No. 890,721; June 16; Sp. p. 3107; Dr. p. 681; Gaz. vol. 134; p. 1614.
 Ball, Game-. B. C. Riblet. No. 906,932; Dec. 15; Sp. p. 3510; Gaz. vol. 137; p. 1625.
 Ball-guiding casing. S. Schneider. No. 877,129; Jan. 21; Sp. p. 2980; Dr. p. 644; Gaz. vol. 132; p. 551.
 Ball-joint, Flexible. C. J. Mellin. No. 908,414; Dec. 29; Sp. p. 6596; Gaz. vol. 137; p. 2184.
 Ball-thrower, Mechanical. R. H. Lake. No. 884,024; Apr. 7; Sp. p. 720; Dr. p. 146; Gaz. vol. 133; p. 1308.
 Balls, Manufacture of tennis and similar playing. F. Rowley. No. 902,330; Oct. 27; Sp. p. 4749; Dr. p. 958; Gaz. vol. 136; p. 1904.
 Balloon, Dirigible. A. Gerstner. No. 880,070; Feb. 25; Sp. p. 4510; Dr. pp. 948-9; Gaz. vol. 132; p. 1666.
 Balloon, Dirigible. R. Thayer. No. 887,443; May 12; Sp. p. 2273; Dr. p. 477; Gaz. vol. 134; p. 393.
 Balloons and flying-machines, Propelling device for. K. Buchberger. No. 907,312; Dec. 22; Sp. p. 4271; Gaz. vol. 137; p. 1787.
 Ballot-box, Computing. C. A. Ball. No. 902,365; Oct. 27; Sp. p. 4809; Dr. pp. 971-2; Gaz. vol. 136; p. 1915.
 Ballot, Mechanical. D. L. Newcomb. No. 881,821; Mar. 10; Sp. p. 2630; Dr. pp. 564-5; Gaz. vol. 133; p. 469.
 Balsams, Manufacture of artificial aromatic. F. Evers. No. 880,641; Mar. 3; Sp. p. 305; Gaz. vol. 133; p. 54.
 Band, Adjustable. H. Julich. No. 904,700; Nov. 24; Sp. p. 4451; Gaz. vol. 137; p. 807.
 Band, band-fastener, and seal combined. J. S. Mark. No. 899,997; Sept. 29; Sp. p. 5504; Dr. p. 1173; Gaz. vol. 136; p. 1018.
 Band-cutter and feeder. J. H. Kaufman. No. 881,931; Mar. 17; Sp. p. 2596; Dr. pp. 617-18; Gaz. vol. 133; p. 535.
 Band-cutter and feeder. A. Böttcher. No. 886,178; Apr. 28; Sp. p. 5152; Dr. p. 1084; Gaz. vol. 133; p. 2097.
 Band-cutter and feeder. G. E. Richmond. No. 898,603; Sept. 15; Sp. p. 2744; Dr. p. 587; Gaz. vol. 136; p. 503.
 Band-cutter and feeder. H. H. Bockelman. No. 901,674; Oct. 20; Sp. p. 3356; Dr. p. 688; Gaz. vol. 136; p. 1659.
 Band-cutter and feeder. E. M. Kramer. No. 902,237; Oct. 27; Sp. p. 4523; Dr. p. 917; Gaz. vol. 136; p. 1871.
 Band-cutter and feeder. W. J. Footitt. No. 902,391; Oct. 27; Sp. p. 4849; Dr. p. 981; Gaz. vol. 136; p. 1923.
 Band-knife. J. N. Halfmann. No. 907,345; Dec. 22; Sp. p. 4327; Gaz. vol. 137; p. 1797.
 Bandage. M. S. Clendenin. No. 880,718; Mar. 3; Sp. p. 455; Dr. p. 96; Gaz. vol. 133; p. 80.
 Bandage. R. K. Morris. No. 907,383; Dec. 22; Sp. p. 4409; Gaz. vol. 137; p. 1811.
 Bandage. W. R. Green. No. 907,784; Dec. 29; Sp. p. 5268; Gaz. vol. 137; p. 1972.
 Bandage. W. R. Green. No. 907,785; Dec. 29; Sp. p. 5272; Gaz. vol. 137; p. 1973.
 Bandage, Elastic woven. W. J. Teufel. No. 889,827; June 2; Sp. p. 1233; Dr. p. 286; Gaz. vol. 134; p. 1260.
 Bandage, Inflatable. P. Mitchell. No. 891,181; June 16; Sp. p. 4014; Dr. p. 880; Gaz. vol. 134; p. 1762.
 Bandages, Putting up antiseptic. J. E. Lee. No. 905,083; Nov. 24; Sp. p. 5236; Gaz. vol. 137; p. 933.
 Bandbox-stay for hats. E. C. Harrison. No. 875,995; Jan. 7; Sp. p. 600; Dr. p. 123; Gaz. vol. 132; p. 105.
 Bandeau. R. J. Nichols. No. 890,696; June 16; Sp. p. 3043; Dr. p. 668; Gaz. vol. 134; p. 1605.
 Bandoleer. F. R. Batchelder. No. 876,131; Jan. 7; Sp. p. 875; Dr. p. 183; Gaz. vol. 132; p. 148.
 Bank-calendar holder, Savings-. A. Shepard and H. Mann. No. 895,117; Aug. 4; Sp. p. 687; Dr. p. 143; Gaz. vol. 135; p. 1008.
 Bank, Coin-. P. J. Maley and J. E. Hills. No. 902,669; Nov. 3; Sp. p. 268; Gaz. vol. 137; p. 46.
 Bank, Coin-assorting savings-. A. L. Andrews. No. 906,183; Dec. 8; Sp. p. 2099; Gaz. vol. 137; p. 1360.
 Bank, Combination-lock. E. R. Walker. No. 879,602; Feb. 18; Sp. p. 3532; Dr. p. 740; Gaz. vol. 132; p. 1480.
 Bank deposit appliance, Savings-. C. F. Hess. No. 893,582; July 14; Sp. p. 2446; Dr. pp. 508-9; Gaz. vol. 135; p. 423.
 Bank, Pocket coin-. W. E. Porter. No. 899,678; Sept. 29; Sp. p. 4822; Dr. p. 1032; Gaz. vol. 136; p. 914.
 Bank, Portable savings-. A. Shepard and H. Mann. No. 895,116; Aug. 4; Sp. p. 685; Dr. p. 143; Gaz. vol. 135; p. 1007.
 Bank, Savings-. O. Burns. No. 884,069; Apr. 7; Sp. p. 806; Dr. p. 171; Gaz. vol. 133; p. 1322.
 Bank, Savings-. H. Sellin. No. 887,531; May 12; Sp. p. 2454; Dr. p. 518; Gaz. vol. 134; p. 422.
 Bank, Savings-. C. Fisher. No. 898,206; Sept. 8; Sp. p. 1974; Dr. p. 421; Gaz. vol. 136; p. 343.
 Bar: See Bicycle handle-bar; Boring-bar; Car-coupling draw-bar; Clamp-bar; Clothes-bar; Concrete bar; Concrete-construction bar; Concrete-reinforcing bar; Corner-bar; Cutter-bar; Detector-bar; Draw-bar; Fuller-bar; Grate-bar; Harvester cutter-bar; Harvesting-machine cutter-bar; Jewel-bar; Lever and quadrant-bar; Piano-flange-attaching bar; Printer's-chase foot-bar; Prison-bar; Rake-head bar; Raker-bar; Reach-bar; Reinforcing-bar; Saddletree-bar; Sickle-bar; Skylight frame-bar; Splice-bar; Stretching-machine bar; Tracker-bar.
 Bar-clamp. J. L. Taylor. No. 893,949; July 21; Sp. p. 3268; Dr. p. 672; Gaz. vol. 135; p. 574.
 Bar-counter box. J. Lehnbeuter and C. R. Brunnacker. No. 889,140; May 26; Sp. p. 5677; Dr. p. 1202; Gaz. vol. 134; p. 1008.
 Bar-fixture. O. Forster. No. 904,253; Nov. 17; Sp. p. 3522; Gaz. vol. 137; p. 630.
 Bar-hook-clamping device. F. Schraudner. No. 895,047; Aug. 4; Sp. p. 548; Dr. p. 112; Gaz. vol. 135; p. 984.
 Bar-joint. D. Fries. No. 893,473; July 14; Sp. p. 2199; Dr. p. 461; Gaz. vol. 135; p. 388.
 Bar-lock, Drop-. P. J. Pauly, Jr. No. 903,880; Nov. 17; Sp. p. 2725; Gaz. vol. 137; p. 502.
 Bars, Centering and gaging instrument for. T. A. Hearson. No. 887,092; May 12; Sp. p. 1508; Dr. p. 319; Gaz. vol. 134; p. 277.
 Bars, Work-board for. E. B. Hogan. No. 892,831; July 7; Sp. p. 873; Dr. p. 187; Gaz. vol. 135; p. 147.
 Barb-forming machine. J. M. Murphy. No. 899,317; Sept. 22; Sp. p. 4107; Dr. p. 878; Gaz. vol. 136; p. 762.
 Barb-wire. Device for distributing or taking up. C. Fox. No. 881,233; Mar. 10; Sp. p. 1484; Dr. p. 319; Gaz. vol. 133; p. 280.
 Barber's chair. E. Berninghaus. No. 875,885; Jan. 7; Sp. p. 387; Dr. p. 85; Gaz. vol. 132; p. 72.
 Barber's chair. A. R. Lerro. No. 876,982; Jan. 21; Sp. p. 2658; Dr. pp. 577-8; Gaz. vol. 132; p. 501.
 Barber's check system. C. L. Derr. No. 878,193; Feb. 4; Sp. p. 623; Dr. p. 128; Gaz. vol. 132; p. 947.
 Barber's pole. O. E. Smith. No. 879,984; Feb. 25; Sp. p. 4332; Dr. p. 907; Gaz. vol. 132; p. 1639.
 Barber's pole. J. R. and A. R. Wylie. No. 884,252; Apr. 7; Sp. p. 1199; Dr. p. 252; Gaz. vol. 133; p. 1381.
 Barium and barium alloys, Production of. G. A. Seward and F. von Kugelgen. No. 900,962; Oct. 13; Sp. p. 1904; Gaz. vol. 136; p. 1392.
 Barium cyanid, Production of. K. Bosch and A. Mittasch. No. 879,030; Feb. 11; Sp. p. 2334; Gaz. vol. 132; p. 1253.
 Barium, Manufacture of oxycarbide of. R. Battistoni and R. Rotelli. No. 888,956; May 26; Sp. p. 5324; Dr. p. 1130; Gaz. vol. 134; p. 950.
 Barium oxid, Making. C. B. Jacobs. No. 886,607; May 5; Sp. p. 524; Gaz. vol. 134; p. 93.
 Bark from logs, Machine for removing. G. S. Witham, Jr. No. 878,848; Feb. 11; Sp. p. 1997; Dr. pp. 414-15; Gaz. vol. 132; p. 1136.
 Bark-peeler. G. R. Rishel and E. H. Wyckoff. No. 875,849; Jan. 7; Sp. p. 320; Dr. p. 70; Gaz. vol. 132; p. 59.
 Bark-removing machine. C. Bache-Wyck. No. 889,292; June 2; Sp. p. 198; Dr. p. 50; Gaz. vol. 134; p. 1089.
 Barley, Preparing. J. A. Caverhill. No. 878,189; Feb. 4; Sp. p. 617; Gaz. vol. 132; p. 946.
 Barometer. B. Junquera. No. 888,015; May 19; Sp. p. 3405; Dr. p. 716; Gaz. vol. 134; p. 612.
 Barometer. J. Nelson. No. 899,836; Sept. 29; Sp. p. 5155; Dr. p. 1104; Gaz. vol. 136; p. 967.
 Barrage having rotary sluice-pontons, Movable. E. M. Audouin. No. 907,437; Dec. 22; Sp. p. 4525; Gaz. vol. 137; p. 1828.
 Barrel. J. J. Henry. No. 876,801; Jan. 14; Sp. p. 2255; Dr. p. 496; Gaz. vol. 132; p. 400.
 Barrel. E. E. Bartholomew. No. 896,681; Aug. 18; Sp. p. 3778; Dr. p. 816; Gaz. vol. 135; p. 1560.
 Barrel. W. P. De Laney, Jr. No. 905,505; Dec. 1; Sp. p. 807; Gaz. vol. 137; p. 1111.
 Barrel and basket cover. A. Holker. No. 898,364; Sept. 8; Sp. p. 2264; Dr. p. 481; Gaz. vol. 136; p. 393.
 Barrel and hoop construction. D. W. McElroy. No. 833,090; July 14; Sp. p. 1415; Dr. p. 299; Gaz. vol. 135; p. 262.
 Barrel, Collapsible. D. B. Jones. No. 888,334; May 19; Sp. p. 3987; Dr. p. 841; Gaz. vol. 134; p. 713.
 Barrel, Collapsible. S. Lemly. No. 900,864; Oct. 13; Sp. p. 1684; Dr. p. 341; Gaz. vol. 136; p. 1360.
 Barrel-cover. D. U. McKeen. No. 888,029; May 19; Sp. p. 3430; Dr. p. 720; Gaz. vol. 134; p. 616.
 Barrel, Drying-out. C. L. Warner. No. 885,813; Apr. 28; Sp. p. 4420; Dr. p. 927; Gaz. vol. 133; p. 1978.
 Barrel-filling machine. W. Ihnken. No. 891,074; June 16; Sp. p. 3825; Dr. p. 835; Gaz. vol. 134; p. 1729.
 Barrel-head. A. La Marche. No. 883,812; Apr. 7; Sp. p. 278; Dr. p. 50; Gaz. vol. 133; p. 1237.
 Barrel-heads, &c., Removable closure for the openings of. J. Schmid. No. 896,668; Aug. 18; Sp. p. 3738; Dr. p. 805; Gaz. vol. 135; p. 1555.
 Barrel-headings, Machine for cutting. E. Windsor. No. 900,972; Oct. 13; Sp. p. 1923; Dr. pp. 391-2; Gaz. vol. 136; p. 1395.
 Barrel-heater. L. Frick. No. 896,374; Aug. 18; Sp. p. 3178; Dr. p. 682; Gaz. vol. 135; p. 1461.
 Barrel-heater. H. C. Rogers. No. 898,065; Sept. 8; Sp. p. 1711; Dr. p. 363; Gaz. vol. 136; p. 299.
 Barrel, Knockdown. C. S. Shugart. No. 890,926; Mar. 3; Sp. p. 893; Dr. p. 193; Gaz. vol. 133; p. 150.
 Barrel, Metal. E. G. Cook. No. 880,507; Mar. 3; Sp. p. 31; Dr. p. 7; Gaz. vol. 133; p. 8.
 Barrel, Metallic. J. H. La Fave. No. 876,563; Jan. 14; Sp. p. 1789; Dr. p. 390; Gaz. vol. 132; p. 323.
 Barrel, Metallic. S. M. Wright. No. 884,450; Apr. 14; Sp. p. 1579; Dr. p. 340; Gaz. vol. 133; p. 1475.
 Barrel, Metallic sectional. J. B. Smith. No. 902,846; Nov. 3; Sp. p. 637; Gaz. vol. 137; p. 106.
 Barrel or keg tap-bushing. J. Fitzgerald and G. Sutton. No. 906,520; Dec. 15; Sp. p. 2730; Gaz. vol. 137; p. 1495.
 Barrel or other receptacle, Separable. A. Petrachi. No. 885,371; Apr. 21; Sp. p. 3519; Dr. p. 734; Gaz. vol. 133; p. 1809.
 Barrel or receptacle. H. S. Reynolds. No. 881,951; Mar. 17; Sp. p. 2934; Dr. p. 626; Gaz. vol. 133; p. 542.
 Barrel or receptacle. J. H. Kilhon. No. 898,484; Sept. 15; Sp. p. 2511; Dr. p. 538; Gaz. vol. 136; p. 464.
 Barrel-packing machine. J. H. Vogt and L. Storck. No. 905,017; Nov. 24; Sp. p. 5122; Gaz. vol. 137; p. 912.
 Barrel, Paper. J. Herr. No. 906,020; Dec. 8; Sp. p. 1785; Gaz. vol. 137; p. 1307.
 Barrel-raiser. F. H. King and D. F. Arburn. No. 900,391; Oct. 6; Sp. p. 676; Dr. p. 138; Gaz. vol. 136; p. 1178.
 Barrel-replacer. A. M. Smith. No. 890,460; June 9; Sp. p. 2536; Dr. p. 561; Gaz. vol. 134; p. 1494.
 Barrel, Safety blasting-. E. Whitman. No. 908,055; Dec. 29; Sp. p. 5827; Gaz. vol. 137; p. 2060.
 Barrel-shelf. A. O. McCoy. No. 890,693; June 16; Sp. p. 3040; Dr. p. 667; Gaz. vol. 134; p. 1604.
 Barrel, Steel. F. E. Young. No. 891,895; June 30; Sp. p. 5322; Dr. p. 1192; Gaz. vol. 134; p. 2064.

Alphabetical list of inventions—Continued.

- Barrel-trussing machine, Horizontal. E. F. Beugler. No. 906,857; Dec. 15; Sp. p. 3365; Gaz. vol. 137; p. 1601.
- Barrels, casks, and the like, Metal head for. A. A. Hurst. No. 886,981; May 5; Sp. p. 1275; Dr. p. 269; Gaz. vol. 134; p. 212.
- Barrels for reuse, Preparing charred whisky-. E. Bradley. No. 887,375; May 12; Sp. p. 2139; Gaz. vol. 134; p. 370.
- Barrels, kegs, and the like, Combined cover and follower for. T. M. Dansby. No. 886,040; Apr. 28; Sp. p. 4907; Dr. p. 1031; Gaz. vol. 133; p. 2053.
- Barrels, Machine for finishing the packing of. J. H. Vogt and L. Storck. No. 901,753; Oct. 20; Sp. p. 3553; Dr. p. 719; Gaz. vol. 136; p. 1687.
- Barrels, Machine for use in chiming, crozing, and howelling. C. J. Alley. No. 900,253; Oct. 6; Sp. p. 369; Dr. p. 77; Gaz. vol. 136; p. 1133.
- Barrels, Pitching. J. H. G. Zunner. No. 892,108; June 30; Sp. p. 5925; Dr. p. 1277; Gaz. vol. 134; p. 2131.
- Barrels, Tilting. J. Lynch. No. 908,019; Dec. 29; Sp. p. 5765; Gaz. vol. 137; p. 2048.
- Barrette. G. G. Sinclair. No. 833,023; July 14; Sp. p. 1297; Dr. p. 273; Gaz. vol. 135; p. 242.
- Barrette. W. S. Bechtold. No. 897,188; Aug. 25; Sp. p. 4854; Dr. p. 1032; Gaz. vol. 135; p. 1751.
- Barrette or hair-retainer. J. W. Nichols. No. 902,317; Oct. 27; Sp. p. 4706; Dr. p. 953; Gaz. vol. 136; p. 1899.
- Base-ball glove. C. A. Peterson. No. 906,278; Dec. 8; Sp. p. 2277; Gaz. vol. 137; p. 1391.
- Base-board and ground-strip, Combined. K. L. Hyller. No. 904,261; Nov. 17; Sp. p. 3536; Gaz. vol. 137; p. 632.
- Base-board heater. J. M. Williamson. No. 898,616; Sept. 15; Sp. p. 2768; Dr. p. 591; Gaz. vol. 136; p. 507.
- Basin and trap, Catch-. J. R. Williams. No. 901,859; Oct. 20; Sp. p. 3747; Dr. p. 762; Gaz. vol. 136; p. 1720.
- Basin, Folding wash-. H. Barcalow. No. 876,425; Jan. 14; Sp. p. 1489; Dr. p. 320; Gaz. vol. 132; p. 274.
- Basin, Lavatory-. F. C. Blanchard. No. 880,961; Mar. 3; Sp. p. 958; Dr. p. 207; Gaz. vol. 133; p. 161.
- Basins and reservoirs, Removing sludge from sedimentation. D. C. Williamson. No. 908,058; Dec. 29; Sp. p. 5832; Gaz. vol. 137; p. 2061.
- Basket. W. J. Thomas. No. 881,500; Mar. 10; Sp. p. 2005; Dr. p. 438; Gaz. vol. 133; p. 305.
- Basket. M. A. Engel. No. 882,935; Mar. 24; Sp. p. 4974; Dr. p. 1035; Gaz. vol. 133; p. 596.
- Basket. L. E. and L. B. Reynolds. No. 886,308; Apr. 28; Sp. p. 5405; Dr. p. 1135; Gaz. vol. 133; p. 2142.
- Basket. C. E. Miller. No. 887,411; May 12; Sp. p. 2213; Dr. p. 463; Gaz. vol. 134; p. 382.
- Basket. A. H. Crawford. No. 900,487; Oct. 6; Sp. p. 878; Dr. p. 180; Gaz. vol. 136; p. 1209.
- Basket. A. A. Stivers. No. 904,026; Nov. 17; Sp. p. 3023; Gaz. vol. 137; p. 551.
- Basket. G. W. Hoffman. No. 905,701; Dec. 1; Sp. p. 1167; Gaz. vol. 137; p. 1172.
- Basket and hamper. D. P. Moore. No. 904,142; Nov. 17; Sp. p. 3265; Gaz. vol. 137; p. 592.
- Basket and support therefor, Combined. C. Kuensting. No. 897,750; Sept. 1; Sp. p. 1027; Dr. p. 218; Gaz. vol. 136; p. 166.
- Basket, Collapsible. H. Wiener. No. 880,848; Mar. 3; Sp. p. 741; Dr. p. 157; Gaz. vol. 133; p. 125.
- Basket-cover-making machine. R. B. Fuller. No. 888,989; May 26; Sp. p. 5380; Dr. p. 1142; Gaz. vol. 134; p. 960.
- Basket-covers, Machine for making cleats for. R. B. Fuller. No. 888,990; May 26; Sp. p. 5385; Dr. pp. 1142-3; Gaz. vol. 134; p. 960.
- Basket, Fruit-picking. B. A. Swasey. No. 883,839; Apr. 7; Sp. p. 345; Dr. p. 66; Gaz. vol. 133; p. 1246.
- Basket-handle. J. Higman. No. 879,103; Feb. 11; Sp. p. 2487; Dr. p. 518; Gaz. vol. 132; p. 1276.
- Basket-handle-bending machine. W. S. Smith. No. 900,890; Oct. 13; Sp. p. 1745; Dr. pp. 352-3; Gaz. vol. 136; p. 1368.
- Basket-machine. E. Horton. No. 877,891; Jan. 28; Sp. p. 4470; Dr. p. 975; Gaz. vol. 132; p. 819.
- Basket-making machine. E. Horton. No. 881,320; Mar. 10; Sp. p. 1653; Dr. p. 354; Gaz. vol. 133; p. 308.
- Basket-making-machine attachment. S. L. Casella. No. 894,597; July 28; Sp. p. 4637; Dr. p. 961; Gaz. vol. 135; p. 808.
- Basket, Transplanting-. C. L. Edwards. No. 879,613; Feb. 18; Sp. p. 3559; Dr. p. 744; Gaz. vol. 132; p. 1484.
- Basket, Washboiler-. W. W. Wilkinson. No. 903,649; Nov. 10; Sp. p. 2237; Gaz. vol. 137; p. 396.
- Baskets or bottoms, &c., Bottom for. J. A. Griffin. No. 881,919; Mar. 17; Sp. p. 2875; Dr. p. 613; Gaz. vol. 133; p. 531.
- Baskets or the like, Handle for. D. R. Saunders. No. 890,305; June 9; Sp. p. 2261; Dr. p. 498; Gaz. vol. 134; p. 1446.
- Bat-former. R. B. Lumpkin. No. 903,876; Nov. 17; Sp. p. 2719; Gaz. vol. 137; p. 501.
- Bath and stand for the same. R. H. Quine. No. 900,586; Oct. 6; Sp. p. 1100; Dr. pp. 225-6; Gaz. vol. 136; p. 1242.
- Bath apparatus, Air-. F. S. Betz. No. 896,704; Aug. 25; Sp. p. 3826; Dr. p. 828; Gaz. vol. 135; p. 1591.
- Bath apparatus, Vapor-. K. Hickox. No. 903,289; Nov. 10; Sp. p. 1509; Gaz. vol. 137; p. 278.
- Bath cabinet, Combination steam and water. J. F. Grubbs. No. 881,855; Mar. 10; Sp. p. 2716; Dr. p. 582; Gaz. vol. 133; p. 480.
- Bath-cabinet, Wardrobe. J. C. Kinsey. No. 904,488; Nov. 17; Sp. p. 4021; Gaz. vol. 137; p. 708.
- Bath composition, Carbonated-ferrous-. A. Zucker. No. 907,943; Dec. 29; Sp. p. 5588; Gaz. vol. 137; p. 2022.
- Bath-pad. J. H. Foote. No. 879,619; Feb. 18; Sp. p. 3568; Dr. p. 747; Gaz. vol. 132; p. 1486.
- Bath-spray. I. J. Owen and R. A. Brooks. No. 881,332; Mar. 10; Sp. p. 1673; Dr. p. 360; Gaz. vol. 133; p. 312.
- Bath-tub. E. H. Sloman. No. 889,979; June 9; Sp. p. 1559; Dr. p. 352; Gaz. vol. 134; p. 1337.
- Bath-tub attachment. W. E. Kennedy. No. 904,133; Nov. 17; Sp. p. 3246; Gaz. vol. 137; p. 588.
- Bath-tub-heating device. T. B. Jarvis. No. 882,689; Mar. 24; Sp. p. 4368; Dr. p. 930; Gaz. vol. 133; p. 815.
- Bath-tub seat. J. P. Eustis. No. 892,657; July 7; Sp. p. 516; Dr. p. 108; Gaz. vol. 135; p. 91.
- Bath-tub supply-pipe connection. W. G. Stewart. No. 886,888; May 5; Sp. p. 1112; Dr. p. 233; Gaz. vol. 134; p. 182.
- Bath-tub trap. T. S. Chew. No. 886,943; May 5; Sp. p. 1204; Dr. p. 255; Gaz. vol. 134; p. 200.
- Bath-tubs, basins, and like fixtures, Waste for. P. F. Guthrie and T. Hayes. No. 903,081; Nov. 3; Sp. p. 1103; Gaz. vol. 137; p. 179.
- Baths, Combined descending-shower and shampoo fixture for shower-. W. G. Newton. No. 901,728; Oct. 20; Sp. p. 3509; Dr. p. 709; Gaz. vol. 136; p. 1679.
- Baths, Composition for production of aromatic. A. Zucker. No. 875,764; Jan. 7; Sp. p. 167; Gaz. vol. 132; p. 32.
- Baths, Device for the production of medicinal. R. Schubardt. No. 908,150; Dec. 29; Sp. p. 6022; Gaz. vol. 137; p. 2092.
- Baths, Maintaining a constantly-open feeding-passage into the interior of molten. F. O. Stromborg. No. 905,948; Dec. 8; Sp. p. 1645; Gaz. vol. 137; p. 1284.
- Baths, Process of and apparatus for preparing effervescing. L. Sarason. No. 879,326; Feb. 18; Sp. p. 2933; Dr. p. 612; Gaz. vol. 132; p. 1391.
- Bather's slipper. E. R. Parker. No. 900,881; Oct. 13; Sp. p. 1728; Dr. p. 349; Gaz. vol. 136; p. 1365.
- Bathing-tub splash-pan. L. Matthews. No. 897,639; Sept. 1; Sp. p. 807; Dr. p. 170; Gaz. vol. 136; p. 128.
- Bathometer. P. Henze. No. 900,537; Oct. 6; Sp. p. 1001; Dr. p. 204; Gaz. vol. 136; p. 1226.
- Batteries and electrolytic apparatus, Construction of. F. A. Decker. No. 895,732; Aug. 11; Sp. p. 1920; Dr. p. 407; Gaz. vol. 135; p. 1234.
- Batteries, Depolarizer for galvanic. E. W. Jungner. No. 884,664; Apr. 14; Sp. p. 2057; Dr. p. 439; Gaz. vol. 133; p. 1545.
- Batteries, Electrolyte for alkaline storage. T. A. Edison. No. 876,445; Jan. 14; Sp. p. 1532; Gaz. vol. 132; p. 282.
- Batteries, Forming plates for storage. W. Morrison. No. 903,752; Nov. 10; Sp. p. 2432; Gaz. vol. 137; p. 426.
- Batteries in connection with alternating-current systems, Operation of storage. J. H. Tracy. No. 877,018; Jan. 21; Sp. p. 2752; Dr. p. 596; Gaz. vol. 132; p. 514.
- Batteries, Means for charging storage. W. D. Stivers. No. 894,237; July 28; Sp. p. 3892; Dr. pp. 804-5; Gaz. vol. 135; p. 690.
- Batteries, Negative element for primary. C. B. Schoenmehl. No. 886,651; May 5; Sp. p. 610; Dr. p. 127; Gaz. vol. 134; p. 106.
- Batteries, Switch for charging and discharging storage. J. H. Cormick. No. 901,423; Oct. 20; Sp. p. 2837; Dr. p. 580; Gaz. vol. 136; p. 1578.
- Batteries, Switch for charging and discharging storage. A. G. Wilson. No. 901,509; Oct. 20; Sp. p. 3035; Dr. p. 620; Gaz. vol. 136; p. 1607.
- Battery. *See* Dry battery; Electric battery; Electromedical battery; Galvanic battery; Primary battery; Secondary battery; Secondary or storage battery; Storage battery.
- Battery. F. A. Decker. No. 880,196; Feb. 25; Sp. p. 4751; Dr. p. 1007; Gaz. vol. 132; p. 1708.
- Battery. F. A. Decker. No. 880,367; Feb. 25; Sp. p. 5088; Dr. pp. 1075-6; Gaz. vol. 132; p. 1764.
- Battery. F. A. Decker. No. 880,368; Feb. 25; Sp. p. 5089; Dr. p. 1076; Gaz. vol. 132; p. 1765.
- Battery. G. M. Wheeler and H. Wilhelm. No. 880,703; Mar. 3; Sp. p. 416; Dr. p. 89; Gaz. vol. 133; p. 75.
- Battery. A. T. Vigneron. No. 890,827; June 16; Sp. p. 3327; Dr. p. 728; Gaz. vol. 134; p. 1649.
- Battery attachment, Storage-. R. J. Fleischer. No. 907,487; Dec. 22; Sp. p. 4626; Gaz. vol. 137; p. 1845.
- Battery cell, Storage-. P. Kennedy. No. 907,372; Dec. 22; Sp. p. 4381; Gaz. vol. 137; p. 1805.
- Battery-charging apparatus. F. G. Duryee. No. 892,655; July 7; Sp. p. 500; Dr. p. 107; Gaz. vol. 135; p. 90.
- Battery-charging system, Storage-. F. B. Corey. No. 896,973; Aug. 25; Sp. p. 4439; Dr. p. 949; Gaz. vol. 135; p. 1681.
- Battery-connector. H. W. Munyan. No. 907,852; Dec. 29; Sp. p. 5399; Gaz. vol. 137; p. 1994.
- Battery constant-level device, Storage-. E. W. Smith. No. 907,419; Dec. 22; Sp. p. 4454; Gaz. vol. 137; p. 1821.
- Battery-control system, Storage-. E. Wray. No. 896,188; Aug. 18; Sp. p. 2788; Dr. p. 601; Gaz. vol. 135; p. 1401.
- Battery cover and element support. C. B. Schoenmehl. No. 886,649; May 5; Sp. p. 607; Dr. p. 126; Gaz. vol. 134; p. 106.
- Battery cover and element support. C. B. Schoenmehl. No. 886,650; May 5; Sp. p. 608; Dr. p. 127; Gaz. vol. 134; p. 106.
- Battery cover, Electric-. H. J. Brewer. No. 900,476; Oct. 6; Sp. p. 865; Dr. pp. 176-7; Gaz. vol. 136; p. 1206.
- Battery-cradles, Device for suspending. E. Gruenfeldt. No. 905,176; Dec. 1; Sp. p. 106; Gaz. vol. 137; p. 1000.
- Battery element, Storage-. J. Bimeler. No. 896,350; Aug. 18; Sp. p. 3119; Dr. p. 670; Gaz. vol. 135; p. 1454.
- Battery-filling machine. C. T. Richmond. No. 885,294; Apr. 21; Sp. p. 3347; Dr. pp. 699-700; Gaz. vol. 133; p. 1782.
- Battery-grid. F. W. Post and A. M. Morley. No. 904,645; Nov. 24; Sp. p. 4336; Gaz. vol. 137; p. 738.

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- Battery-grid-casting machine. J. A. Smith. No. 895,902; Aug. 11; Sp. p. 2248; Dr. p. 480; Gaz. vol. 135; p. 1288.
- Battery-holder. E. S. Egge. No. 881,181; Mar. 10; Sp. p. 1372; Dr. p. 296; Gaz. vol. 133; p. 263.
- Battery-indicator. R. N. Chamberlain. No. 892,500; July 7; Sp. p. 220; Dr. p. 46; Gaz. vol. 135; p. 41.
- Battery jar, Storage. J. Marx. No. 897,472; Sept. 1; Sp. p. 475; Dr. p. 101; Gaz. vol. 136; p. 75.
- Battery jars, &c., Filling apparatus for storage. T. A. Edison. No. 898,633; Sept. 15; Sp. p. 2811; Dr. p. 601; Gaz. vol. 136; p. 513.
- Battery-plate. W. M. Brodie. No. 879,361; Feb. 18; Sp. p. 2998; Dr. p. 627; Gaz. vol. 132; p. 1402.
- Battery plate, Storage. A. O. Tate. No. 880,420; Feb. 25; Sp. p. 3217; Dr. p. 1099; Gaz. vol. 132; p. 1783.
- Battery plate, Storage. A. O. Tate. No. 880,421; Feb. 25; Sp. p. 3220; Dr. p. 1099; Gaz. vol. 132; p. 1783.
- Battery plate, Storage. A. O. Tate. No. 881,422; Feb. 25; Sp. p. 3223; Dr. p. 1100; Gaz. vol. 132; p. 1783.
- Battery plate, Storage. A. O. Tate. No. 880,423; Feb. 25; Sp. p. 3225; Dr. p. 1100; Gaz. vol. 132; p. 1784.
- Battery plate, Storage. A. O. Tate. No. 880,424; Feb. 25; Sp. p. 3227; Dr. p. 1100; Gaz. vol. 132; p. 1784.
- Battery plate, Storage. A. O. Tate. No. 880,425; Feb. 25; Sp. p. 3229; Dr. p. 1101; Gaz. vol. 132; p. 1785.
- Battery plate, Storage. T. A. Willard. No. 888,951; May 26; Sp. p. 5318; Dr. p. 1128; Gaz. vol. 134; p. 949.
- Battery separator, Storage. R. N. Chamberlain. No. 907,970; Dec. 29; Sp. p. 5656; Gaz. vol. 137; p. 2032.
- Battery, Storage. R. N. Chamberlain. No. 904,115; Nov. 17; Sp. p. 3197; Gaz. vol. 137; p. 581.
- Battery-well. C. F. Massey. No. 891,944; June 30; Sp. p. 5624; Dr. p. 1212; Gaz. vol. 134; p. 2081.
- Battleship protection by means of concrete. L. d'Adda. No. 906,846; Dec. 15; Sp. p. 3340; Gaz. vol. 137; p. 1597.
- Beach-chair, Foldable. T. Kreech. No. 882,948; Mar. 24; Sp. p. 4901; Dr. p. 1039; Gaz. vol. 133; p. 901.
- Beacon, light-buoy, &c. R. M. Dixon. No. 881,607; Mar. 10; Sp. p. 2341; Dr. p. 507; Gaz. vol. 133; p. 421.
- Beading implement. G. E. Morris. No. 886,394; May 5; Sp. p. 103; Dr. p. 21; Gaz. vol. 134; p. 22.
- Beam-clamp, Adjustable. M. C. Rosenfeld. No. 893,378; July 14; Sp. p. 1979; Dr. p. 416; Gaz. vol. 135; p. 356.
- Beam, Composite. F. C. Keighley. No. 897,982; Sept. 8; Sp. p. 1543; Dr. p. 327; Gaz. vol. 136; p. 273.
- Beam-fastening device, Adjustable. J. and W. J. O'Hara. No. 880,238; Feb. 25; Sp. p. 4855; Dr. p. 1027; Gaz. vol. 132; p. 1723.
- Beam, Metallic. F. C. Keighley. No. 897,539; Sept. 1; Sp. p. 617; Dr. p. 128; Gaz. vol. 136; p. 97.
- Beam, &c., tensioning device, Warp. A. Brunelle. No. 895,001; Aug. 4; Sp. p. 459; Dr. p. 93; Gaz. vol. 135; p. 968.
- Beam, Trussed. C. H. Williams, Jr. No. 884,445; Apr. 14; Sp. p. 1572; Dr. p. 338; Gaz. vol. 133; p. 1473.
- Beam, Trussed. C. H. Williams, Jr. No. 884,446; Apr. 14; Sp. p. 1574; Dr. pp. 338-9; Gaz. vol. 133; p. 1474.
- Beam-puller. R. H. Beckwith. No. 884,887; Apr. 14; Sp. p. 249; Dr. pp. 525-6; Gaz. vol. 133; p. 1618.
- Beam-puller. M. J. Quinsy. No. 888,927; May 26; Sp. p. 5258; Dr. p. 1115; Gaz. vol. 134; p. 941.
- Bearing. I. Osgood. No. 879,578; Feb. 18; Sp. p. 3474; Dr. p. 723; Gaz. vol. 132; p. 1473.
- Bearing. M. John. No. 887,397; May 12; Sp. p. 2192; Dr. p. 458; Gaz. vol. 134; p. 378.
- Bearing. J. S. Worth. No. 891,649; June 23; Sp. p. 5022; Dr. p. 1081; Gaz. vol. 134; p. 1950.
- Bearing. E. Peckham. No. 905,355; Dec. 1; Sp. p. 456; Gaz. vol. 137; p. 1060.
- Bearing and attachment. Dust-proof disc. N. R. Nelson. No. 881,141; Mar. 10; Sp. p. 1302; Dr. p. 281; Gaz. vol. 133; p. 251.
- Bearing, Antifriction. H. R. Plimpton, 2d. No. 876,836; Jan. 14; Sp. p. 2325; Dr. p. 511; Gaz. vol. 132; p. 411.
- Bearing, Antifriction. W. C. Baker. No. 881,102; Mar. 3; Sp. p. 1214; Dr. p. 262; Gaz. vol. 133; p. 207.
- Bearing, Antifriction. E. C. Ketchum. No. 900,860; Oct. 13; Sp. p. 1677; Dr. p. 339; Gaz. vol. 136; p. 1359.
- Bearing, Antifriction. J. P. Karns. No. 906,496; Dec. 8; Sp. p. 2677; Gaz. vol. 137; p. 1461.
- Bearing, Antifriction-thrust. P. Völker. No. 881,876; Mar. 10; Sp. p. 2766; Dr. p. 593; Gaz. vol. 133; p. 488.
- Bearing, Antifriction wheel. W. J. Brewer. No. 891,203; June 16; Sp. p. 4066; Dr. p. 891; Gaz. vol. 134; p. 1770.
- Bearing, Antifrictional. A. B. Chapman. No. 896,515; Aug. 18; Sp. p. 3464; Dr. p. 745; Gaz. vol. 135; p. 1510.
- Bearing, Axle. R. Blum. No. 882,047; Mar. 17; Sp. p. 3149; Dr. p. 669; Gaz. vol. 133; p. 572.
- Bearing, Ball. A. T. Matthews. No. 878,652; Feb. 11; Sp. p. 1637; Dr. p. 336; Gaz. vol. 132; p. 1133.
- Bearing, Ball. J. Schmid-Roost. No. 884,046; Apr. 7; Sp. p. 764; Dr. p. 159; Gaz. vol. 133; p. 1314.
- Bearing, Ball. R. G. Cornforth. No. 886,949; May 5; Sp. p. 1215; Dr. p. 256; Gaz. vol. 134; p. 202.
- Bearing, Ball. R. G. Cornforth. No. 886,950; May 5; Sp. p. 1216; Dr. p. 257; Gaz. vol. 134; p. 202.
- Bearing, Ball. W. Nice, Jr. No. 887,265; May 12; Sp. p. 1854; Dr. p. 391; Gaz. vol. 134; p. 332.
- Bearing, Ball. J. L. Straub. No. 887,356; May 12; Sp. p. 2079; Dr. p. 436; Gaz. vol. 134; p. 365.
- Bearing, Ball. F. C. Mason and J. W. Shanahan. No. 891,943; June 30; Sp. p. 5623; Dr. p. 1212; Gaz. vol. 134; p. 2080.
- Bearing, Ball. N. N. Shaiduroff. No. 895,901; Aug. 11; Sp. p. 2247; Dr. p. 479; Gaz. vol. 135; p. 1288.
- Bearing, Ball. J. Weibel-Mulisch. No. 898,945; Sept. 15; Sp. p. 3373; Dr. p. 724; Gaz. vol. 136; p. 614.
- Bearing, Ball. F. W. Witte. No. 900,634; Oct. 6; Sp. p. 1208; Dr. p. 248; Gaz. vol. 136; p. 1253.
- Bearing, Ball. F. W. Witte. No. 900,635; Oct. 6; Sp. p. 1209; Dr. p. 248; Gaz. vol. 136; p. 1258.
- Bearing, Ball. L. Hermann. No. 901,169; Oct. 13; Sp. p. 2279; Dr. p. 465; Gaz. vol. 136; p. 1458.
- Bearing, Ball. J. F. Springer. No. 903,337; Nov. 10; Sp. p. 1603; Gaz. vol. 137; p. 294.
- Bearing, Ball. O. E. Michaud. No. 906,258; Dec. 8; Sp. p. 2244; Gaz. vol. 137; p. 1385.
- Bearing, Ball. W. E. Canc. No. 906,506; Dec. 15; Sp. p. 2695; Gaz. vol. 137; p. 1490.
- Bearing, Ball journal and thrust. F. W. Witte. No. 896,877; Aug. 25; Sp. p. 4207; Dr. p. 900; Gaz. vol. 135; p. 1649.
- Bearing center-plate, Roller. F. C. Barber. No. 885,133; Apr. 21; Sp. p. 3012; Dr. p. 635; Gaz. vol. 133; p. 1729.
- Bearing device, Step. D. C. Griswold. No. 898,406; Sept. 8; Sp. p. 2341; Dr. p. 497; Gaz. vol. 136; p. 407.
- Bearing, Flexible. W. C. Hartmann. No. 887,938; May 19; Sp. p. 3262; Dr. p. 685; Gaz. vol. 134; p. 587.
- Bearing for carpet-sweepers, Ball. F. C. Mason. No. 881,603; Mar. 10; Sp. p. 2208; Dr. p. 481; Gaz. vol. 133; p. 400.
- Bearing for cars, Antifriction center. J. C. Barber. No. 901,223; Oct. 13; Sp. p. 2372; Dr. p. 485; Gaz. vol. 136; p. 1474.
- Bearing for driers and screens, End-thrust. G. L. Preacher. No. 889,043; May 26; Sp. p. 5469; Dr. p. 1163; Gaz. vol. 134; p. 977.
- Bearing for driving and other shafts. J. A. Wiggins, Jr. No. 883,369; Mar. 31; Sp. p. 5742; Dr. pp. 1225-6; Gaz. vol. 133; p. 1066.
- Bearing for looking-glasses, &c., Frictional. W. J. Sturgess. No. 905,700; Dec. 1; Sp. p. 1282; Gaz. vol. 137; p. 1192.
- Bearing for self-closing liquid shut-offs, Roller. A. Schnermann. No. 900,598; Oct. 6; Sp. p. 1120; Dr. p. 229; Gaz. vol. 136; p. 1246.
- Bearing for shafting, Self-aligning. W. B. Mair. No. 889,704; June 2; Sp. p. 1014; Dr. p. 234; Gaz. vol. 134; p. 1221.
- Bearing for shafts, spindles, &c. A. H. Reid. No. 901,374; Oct. 20; Sp. p. 2708; Dr. p. 556; Gaz. vol. 136; p. 1560.
- Bearing for vehicle-wheels, Ball. L. Burg. No. 894,940; Aug. 4; Sp. p. 330; Dr. p. 67; Gaz. vol. 135; p. 947.
- Bearing for vertical shafts, Ball. A. Riebe. No. 899,563; Sept. 29; Sp. p. 4586; Dr. p. 986; Gaz. vol. 136; p. 878.
- Bearing for wheels, Centrifugal-oiling. F. A. Warren. No. 897,943; Sept. 8; Sp. p. 1460; Dr. p. 311; Gaz. vol. 136; p. 260.
- Bearing, Journal. L. H. Hartmann. No. 907,047; Dec. 15; Sp. p. 3708; Gaz. vol. 137; p. 1660.
- Bearing, Journal. C. Dunning. No. 907,324; Dec. 22; Sp. p. 4288; Gaz. vol. 137; p. 1790.
- Bearing, Mining-car-wheel. W. C. Fownes, Jr., and R. J. Gardner. No. 888,700; May 26; Sp. p. 4775; Dr. p. 1616; Gaz. vol. 134; p. 867.
- Bearing, Pedestal. S. C. Davidson. No. 898,632; Sept. 15; Sp. p. 2811; Dr. p. 600; Gaz. vol. 136; p. 513.
- Bearing plate, Roller center. L. W. Barber and E. W. Webb. No. 905,491; Dec. 1; Sp. p. 768; Gaz. vol. 137; p. 1107.
- Bearing, Roller. P. F. Bussman. No. 877,630; Jan. 28; Sp. p. 3996; Dr. p. 863; Gaz. vol. 132; p. 736.
- Bearing, Roller. F. G. Susenihl. No. 880,931; Mar. 3; Sp. p. 902; Dr. p. 194; Gaz. vol. 133; p. 152.
- Bearing, Roller. G. A. McKeel. No. 883,469; Mar. 31; Sp. p. 5971; Dr. p. 1274; Gaz. vol. 133; p. 1101.
- Bearing, Roller. F. M. Foote. No. 886,200; Apr. 28; Sp. p. 5194; Dr. p. 1093; Gaz. vol. 133; p. 2105.
- Bearing, Roller. W. S. Sharpneck. No. 886,547; May 5; Sp. p. 403; Dr. p. 86; Gaz. vol. 134; p. 75.
- Bearing, Roller. D. L. Tschantz. No. 890,106; June 9; Sp. p. 1818; Dr. p. 402; Gaz. vol. 134; p. 1380.
- Bearing, Roller. J. Taylor. No. 892,096; June 30; Sp. p. 5896; Dr. p. 1270; Gaz. vol. 134; p. 2127.
- Bearing, Roller. H. B. Gillette and C. W. Dake. No. 892,416; July 7; Sp. p. 46; Dr. p. 11; Gaz. vol. 135; p. 11.
- Bearing, Roller. E. L. Sharpneck. No. 892,691; July 7; Sp. p. 584; Dr. p. 125; Gaz. vol. 135; p. 102.
- Bearing, Roller. E. Moonen. No. 892,866; July 7; Sp. p. 948; Dr. p. 199; Gaz. vol. 135; p. 159.
- Bearing, Roller. D. L. Tschantz. No. 893,952; July 21; Sp. p. 3272; Dr. p. 673; Gaz. vol. 135; p. 575.
- Bearing, Roller. G. A. McKeel. No. 896,140; Aug. 18; Sp. p. 2702; Dr. p. 583; Gaz. vol. 135; p. 1386.
- Bearing, Roller. J. A. Perkins. No. 900,199; Oct. 6; Sp. p. 266; Dr. pp. 53-4; Gaz. vol. 136; p. 1115.
- Bearing, Roller. W. H. Sheasby. No. 902,691; Nov. 3; Sp. p. 314; Gaz. vol. 137; p. 53.
- Bearing, Roller. J. F. Foster. No. 902,810; Nov. 3; Sp. p. 530; Gaz. vol. 137; p. 93.
- Bearing, Roller. W. H. Makutchan. No. 904,343; Nov. 17; Sp. p. 3716; Gaz. vol. 137; p. 661.
- Bearing, Roller. A. G. Schultz. No. 907,293; Dec. 22; Sp. p. 4240; Gaz. vol. 137; p. 1780.
- Bearing, Roller. R. F. Bower. No. 907,678; Dec. 22; Sp. p. 5061; Gaz. vol. 137; p. 1907.
- Bearing, Roller. J. F. Springer. No. 907,908; Dec. 29; Sp. p. 5521; Gaz. vol. 137; p. 2011.
- Bearing, Self-adjusting. J. V. M. Risberg. No. 902,912; Nov. 3; Sp. p. 768; Gaz. vol. 137; p. 127.
- Bearing, Self-oiling. R. B. Treat. No. 880,428; Feb. 25; Sp. p. 5237; Dr. p. 1102; Gaz. vol. 132; p. 1786.
- Bearing, Shaft. W. L. R. Emmet and E. D. Dickinson. No. 884,477; Apr. 14; Sp. p. 1632; Dr. p. 351; Gaz. vol. 133; p. 1483.
- Bearing, Shaft. J. T. Lagergren. No. 893,872; Nov. 17; Sp. p. 2712; Gaz. vol. 137; p. 500.
- Bearing, Spindle. F. C. Stevens. No. 876,246; Jan. 7; Sp. p. 1085; Dr. p. 237; Gaz. vol. 132; p. 184.
- Bearing, Spindle. T. W. Morgan. No. 888,633; May 26; Sp. p. 4631; Dr. p. 982; Gaz. vol. 134; p. 845.
- Bearing, Spring. A. T. Salenius. No. 894,063; July 21; Sp. p. 3524; Dr. p. 722; Gaz. vol. 135; p. 613.

Alphabetical list of inventions—Continued.

- Bearing, Steel-lined roller-. A. P. Sloan, Jr. No. 876,499; Jan. 14; Sp. p. 1645; Dr. p. 357; Gaz. vol. 132; p. 300.
- Bearing, Step-. F. Greiner. No. 882,061; Mar. 17; Sp. p. 3173; Dr. p. 675; Gaz. vol. 133; p. 577.
- Bearing washer, Ball-. V. Crouch. No. 894,606; July 28; Sp. p. 4654; Dr. p. 966; Gaz. vol. 135; p. 812.
- Bearings, Automatic lubricator for shaft-. J. R. Steiger. No. 877,962; Feb. 4; Sp. p. 132; Dr. p. 29; Gaz. vol. 132; p. 871.
- Bearings, Cone-lock for ball-. J. J. Luckey. No. 890,567; June 9; Sp. p. 2748; Dr. p. 608; Gaz. vol. 134; p. 1530.
- Bearings, Gage for adjusting shaft-. S. S. Wilcox. No. 889,999; June 9; Sp. p. 1607; Dr. p. 359; Gaz. vol. 134; p. 1344.
- Bearings, Lubricating device for center-. R. T. Senter. No. 886,080; Apr. 28; Sp. p. 4970; Dr. p. 1045; Gaz. vol. 133; p. 2066.
- Bearings, Making annular. S. S. Eveland. No. 895,992; Aug. 11; Sp. p. 2440; Dr. p. 526; Gaz. vol. 135; p. 1318.
- Bearings, Manufacturing and assembling ball-. E. G. Hoffmann. No. 881,471; Mar. 10; Sp. p. 1958; Dr. p. 426; Gaz. vol. 133; p. 356.
- Bearings, Means for lubricating sleeve-. W. H. McGauley. No. 886,625; May 5; Sp. p. 559; Dr. p. 117; Gaz. vol. 134; p. 99.
- Bearings, Retainer for ball-. P. Sachs. No. 888,266; May 19; Sp. p. 3867; Dr. p. 813; Gaz. vol. 134; p. 692.
- Beater, Mechanical liquid-. A. Ovidi. No. 894,459; July 28; Sp. p. 4360; Dr. p. 899; Gaz. vol. 135; p. 764.
- Beating-out machine. J. H. Reed. No. 899,232; Sept. 22; Sp. p. 3932; Dr. pp. 839-40; Gaz. vol. 136; p. 735.
- Bed. E. S. Hall. No. 881,071; Mar. 3; Sp. p. 1152; Dr. p. 250; Gaz. vol. 133; p. 197.
- Bed. M. Wensauer. No. 886,022; Apr. 28; Sp. p. 4866; Dr. p. 1024; Gaz. vol. 133; p. 2048.
- Bed. W. M. Shaw. No. 888,045; May 19; Sp. p. 3460; Dr. p. 725; Gaz. vol. 134; p. 621.
- Bed. G. W. Williams and C. G. Selby. No. 895,526; Aug. 11; Sp. p. 1510; Dr. p. 320; Gaz. vol. 135; p. 1168.
- Bed. O. E. Enell. No. 900,156; Oct. 6; Sp. p. 175; Dr. pp. 36-7; Gaz. vol. 136; p. 1101.
- Bed. J. J. Drawe and W. J. Turnbull. No. 905,856; Dec. 8; Sp. p. 1475; Gaz. vol. 137; p. 1254.
- Bed and couch, Combined. J. L. Blake. No. 889,351; June 2; Sp. p. 306; Dr. p. 72; Gaz. vol. 134; p. 1108.
- Bed and sofa, Combination. L. Albert. No. 898,399; Sept. 8; Sp. p. 2325; Dr. p. 494; Gaz. vol. 136; p. 405.
- Bed attachment, Box-. J. T. Wood. No. 893,413; July 14; Sp. p. 2044; Dr. p. 429; Gaz. vol. 135; p. 368.
- Bed, Baby-. W. S. Lindsey. No. 884,509; Apr. 14; Sp. p. 1700; Dr. p. 366; Gaz. vol. 133; p. 1493.
- Bed-bottom. J. W. Elaw. No. 887,929; May 19; Sp. p. 3238; Dr. p. 681; Gaz. vol. 134; p. 583.
- Bed-bottom. C. Vallone. (Reissue.) No. 12,840; Aug. 4; Sp. p. 1269; Dr. p. 267; Gaz. vol. 135; p. 1106.
- Bed-bottom and frame, Wire. J. N. Rabedew and E. A. Vernal. No. 899,681; Sept. 29; Sp. p. 4826; Dr. p. 1033; Gaz. vol. 136; p. 915.
- Bed-bottom fabric. H. Richardson. No. 889,335; June 2; Sp. p. 276; Dr. p. 67; Gaz. vol. 134; p. 1102.
- Bed-bottom, Spring. J. G. Venable, Sr. No. 888,276; May 19; Sp. p. 3886; Dr. p. 819; Gaz. vol. 134; p. 696.
- Bed-canopy, Ventilating. J. N. Moody. No. 899,257; Sept. 22; Sp. p. 4010; Dr. p. 856; Gaz. vol. 136; p. 744.
- Bed clothes-retainer, Infant's-. M. Riley. No. 899,325; Sept. 22; Sp. p. 4122; Dr. p. 881; Gaz. vol. 136; p. 764.
- Bed, Collapsible couch-. J. Kiewicz. No. 887,198; May 12; Sp. p. 1686; Dr. pp. 358-9; Gaz. vol. 134; p. 309.
- Bed, Convertible. V. G. Bowdon. No. 907,311; Dec. 22; Sp. p. 4269; Gaz. vol. 137; p. 1786.
- Bed corner-fastening. B. H. Jones. No. 877,716; Jan. 28; Sp. p. 4152; Dr. p. 899; Gaz. vol. 132; p. 763.
- Bed corner-post, Spring-. G. E. Bigelow. No. 893,130; July 14; Sp. p. 1509; Dr. p. 317; Gaz. vol. 135; p. 276.
- Bed, Couch-. E. Hunter. No. 905,702; Dec. 1; Sp. p. 1168; Gaz. vol. 137; p. 1173.
- Bed, Davenport-. A. T. Mayer. No. 891,351; June 23; Sp. p. 4393; Dr. pp. 956-7; Gaz. vol. 134; p. 1851.
- Bed, Davenport-. C. J. Kindel and J. B. Andres. No. 893,522; July 14; Sp. p. 2299; Dr. p. 482; Gaz. vol. 135; p. 403.
- Bed, Davenport-. J. Luppino. No. 907,068; Dec. 15; Sp. p. 3746; Gaz. vol. 137; p. 1667.
- Bed, Extension-. J. P. Sundin. No. 905,246; Dec. 1; Sp. p. 244; Gaz. vol. 137; p. 1025.
- Bed, Folding. N. Silverson. No. 876,498; Jan. 14; Sp. p. 1642; Dr. p. 356; Gaz. vol. 132; p. 300.
- Bed, Folding. W. H. A. Lewis. No. 879,657; Feb. 18; Sp. p. 3638; Dr. p. 761; Gaz. vol. 132; p. 1498.
- Bed, Folding. R. B. Jagers. No. 880,666; Mar. 3; Sp. p. 354; Dr. p. 78; Gaz. vol. 133; p. 62.
- Bed, Folding. N. C. Merrill. No. 886,622; May 5; Sp. p. 554; Dr. pp. 116-17; Gaz. vol. 134; p. 98.
- Bed, Folding. O. Baigné. No. 892,348; June 30; Sp. p. 6391; Dr. pp. 1379-80; Gaz. vol. 134; p. 2211.
- Bed, Folding. L. J. Lennox. No. 892,998; July 14; Sp. p. 1252; Dr. p. 263; Gaz. vol. 135; p. 233.
- Bed, Folding. A. Piasser. No. 893,364; July 14; Sp. p. 1959; Dr. p. 411; Gaz. vol. 135; p. 352.
- Bed, Folding. W. B. De Witt. No. 896,277; Aug. 18; Sp. p. 2962; Dr. p. 638; Gaz. vol. 135; p. 1432.
- Bed, Folding. O. E. Enell. No. 900,157; Oct. 6; Sp. p. 177; Dr. p. 37; Gaz. vol. 136; p. 1102.
- Bed, Folding. L. Jensen. No. 903,291; Nov. 10; Sp. p. 1512; Gaz. vol. 137; p. 279.
- Bed, Folding. F. Messel. No. 905,448; Dec. 1; Sp. p. 679; Gaz. vol. 137; p. 1093.
- Bed for the sick. R. Rode. No. 876,238; Jan. 7; Sp. p. 1070; Dr. p. 232; Gaz. vol. 132; p. 181.
- Bed guard-rail. W. M. Goldsmith. No. 898,875; Sept. 15; Sp. p. 3255; Dr. p. 696; Gaz. vol. 136; p. 591.
- Bed, Inclined. J. A. Barker. No. 907,950; Dec. 29; Sp. p. 5615; Gaz. vol. 137; p. 2025.
- Bed, Invalid-. C. T. Joslin. No. 882,641; Mar. 24; Sp. p. 4275; Dr. pp. 906-7; Gaz. vol. 133; p. 799.
- Bed, Invalid-. E. A. Keasey. No. 884,393; Apr. 14; Sp. p. 1470; Dr. p. 314; Gaz. vol. 133; p. 1456.
- Bed, Invalid-. G. B. Colles. No. 890,407; June 9; Sp. p. 2445; Dr. p. 541; Gaz. vol. 134; p. 1478.
- Bed, Invalid-. U. G. Vance and R. Critser. No. 896,179; Aug. 18; Sp. p. 2769; Dr. p. 597; Gaz. vol. 135; p. 1397.
- Bed, Invalid-. J. Hall. No. 897,890; Sept. 8; Sp. p. 1324; Dr. p. 283; Gaz. vol. 136; p. 242.
- Bed, Invalid-. J. Hall. No. 897,891; Sept. 8; Sp. p. 1326; Dr. p. 284; Gaz. vol. 136; p. 242.
- Bed, Invalid or hoisting. J. J. Collins. No. 878,045; Feb. 4; Sp. p. 314; Dr. pp. 65-6; Gaz. vol. 132; p. 899.
- Bed, Invalid's. E. A. Wible. No. 904,587; Nov. 24; Sp. p. 4220; Gaz. vol. 137; p. 768.
- Bed, Knockdown. S. S. Hanson. No. 885,995; Apr. 28; Sp. p. 4807; Dr. pp. 1009-10; Gaz. vol. 133; p. 2039.
- Bed latch, Tiltable-. N. C. Merrill. No. 895,571; Aug. 11; Sp. p. 1591; Dr. p. 336; Gaz. vol. 135; p. 1181.
- Bed, Metal. O. Rudd. No. 901,482; Oct. 20; Sp. p. 2983; Dr. p. 608; Gaz. vol. 136; p. 1598.
- Bed or sliding couch, Extension-. J. Schwartzman. No. 905,466; Dec. 1; Sp. p. 712; Gaz. vol. 137; p. 1098.
- Bed-pan. G. M. White. No. 876,671; Jan. 14; Sp. p. 2034; Dr. p. 443; Gaz. vol. 132; p. 361.
- Bed-pan. E. Nelson. No. 884,842; Apr. 14; Sp. p. 2429; Dr. p. 509; Gaz. vol. 133; p. 1606.
- Bed-pan. M. Moore. No. 890,681; June 16; Sp. p. 3012; Dr. p. 651; Gaz. vol. 134; p. 1600.
- Bed-pan. D. A. Waltz. No. 897,434; Sept. 1; Sp. p. 402; Dr. p. 86; Gaz. vol. 136; p. 62.
- Bed-protector. J. J. Wassam. No. 899,361; Sept. 22; Sp. p. 4184; Dr. p. 895; Gaz. vol. 136; p. 776.
- Bed-rail, Temporary. W. H. Smith. No. 890,461; June 9; Sp. p. 2536; Dr. p. 561; Gaz. vol. 134; p. 1494.
- Bed, Recess-. W. E. Ingram and C. W. Hinton. No. 899,668; Sept. 29; Sp. p. 5235; Dr. p. 1119; Gaz. vol. 136; p. 978.
- Bed screen and table frame. K. C. MacMillan. No. 883,325; Mar. 31; Sp. p. 5650; Dr. p. 1206; Gaz. vol. 133; p. 1052.
- Bed-seat, Convertible. T. F. Harris. No. 890,859; June 16; Sp. p. 3384; Dr. pp. 741-2; Gaz. vol. 134; p. 1659.
- Bed-seat, Convertible. T. F. Harris and R. A. Eifert. No. 895,264; Aug. 4; Sp. p. 990; Dr. p. 207; Gaz. vol. 135; p. 1057.
- Bed sheet, Hospital-. A. C. Halterman. No. 892,047; June 30; Sp. p. 5821; Dr. p. 1252; Gaz. vol. 134; p. 2112.
- Bed-slat holder. R. H. Bishop. No. 904,041; Nov. 17; Sp. p. 3052; Gaz. vol. 137; p. 555.
- Bed, Sliding couch-. J. Luppino. No. 898,981; Sept. 15; Sp. p. 3436; Dr. pp. 737-8; Gaz. vol. 136; p. 626.
- Bed, Sofa-. J. B. Strand, J. H. Haugen, W. Coesfeld, and G. Fischrupp. No. 887,982; May 19; Sp. p. 3341; Dr. pp. 701-2; Gaz. vol. 134; p. 601.
- Bed, Sofa-. F. Bennett. No. 888,865; May 26; Sp. p. 5119; Dr. p. 1091; Gaz. vol. 134; p. 919.
- Bed-spring. J. Schwartzman. No. 877,004; Jan. 21; Sp. p. 2717; Dr. pp. 588-9; Gaz. vol. 132; p. 509.
- Bed-spring. B. McIntosh. No. 882,264; Mar. 17; Sp. p. 3565; Dr. pp. 755-6; Gaz. vol. 133; p. 642.
- Bed-spring. H. W. Pennepacker. (Reissue.) No. 12,768; Mar. 24; Sp. p. 5313; Dr. pp. 1133-4; Gaz. vol. 133; p. 970.
- Bed-spring. W. W. Lytle. No. 883,551; Mar. 31; Sp. p. 6144; Dr. p. 1306; Gaz. vol. 133; p. 1125.
- Bed-spring. J. McPherson. No. 887,111; May 12; Sp. p. 1544; Dr. p. 326; Gaz. vol. 134; p. 283.
- Bed-spring. N. K. Billow. No. 901,516; Oct. 20; Sp. p. 3052; Dr. p. 623; Gaz. vol. 136; p. 1610.
- Bed-spring end rail. G. Holden. No. 889,007; May 26; Sp. p. 5410; Dr. p. 1149; Gaz. vol. 134; p. 966.
- Bed-spring frame. G. A. Tornkvist. No. 900,799; Oct. 13; Sp. p. 1548; Dr. p. 315; Gaz. vol. 136; p. 1338.
- Bed-spring support. E. Ryan. No. 876,096; Jan. 7; Sp. p. 801; Dr. p. 171; Gaz. vol. 132; p. 136.
- Bed-spring-supporting frame. C. P. Trimble. No. 895,602; Aug. 11; Sp. p. 1654; Dr. p. 349; Gaz. vol. 135; p. 1192.
- Bed-springs, Device for tightening the fabric of. W. Van Duzee. No. 885,549; Apr. 21; Sp. p. 3873; Dr. p. 810; Gaz. vol. 133; p. 1862.
- Bed-tightener. M. Holts. No. 877,774; Jan. 28; Sp. p. 4255; Dr. p. 923; Gaz. vol. 132; p. 782.
- Bed, Tiltable. N. C. Merrill. No. 880,682; Mar. 3; Sp. p. 379; Dr. p. 83; Gaz. vol. 133; p. 67.
- Bed, Vibrating. J. A. Seeber. No. 897,791; Sept. 1; Sp. p. 1103; Dr. p. 238; Gaz. vol. 136; p. 177.
- Bed, Wall-. J. E. Chatem. No. 890,556; June 9; Sp. p. 2726; Dr. p. 602; Gaz. vol. 134; p. 1526.
- Bed, Wall-. E. B. Peirce. No. 896,239; Aug. 18; Sp. p. 2888; Dr. pp. 623-4; Gaz. vol. 135; p. 1419.
- Bed-warming device. W. H. Proctor. No. 882,714; Mar. 24; Sp. p. 4415; Dr. pp. 938-9; Gaz. vol. 133; p. 823.
- Bed with commode attachment, Invalid-. W. C. Feely. No. 892,817; July 7; Sp. p. 831; Dr. pp. 177-8; Gaz. vol. 135; p. 142.
- Beds, Folding crib attachment for. J. T. and B. F. Rademaker. No. 902,684; Nov. 3; Sp. p. 296; Gaz. vol. 137; p. 51.
- Beds, Portable partition for. E. E. Hopkins. No. 883,884; Apr. 7; Sp. p. 434; Dr. p. 86; Gaz. vol. 133; p. 1260.
- Beds, Security attachment for. I. M. Hamilton. No. 879,164; Feb. 18; Sp. p. 2631; Dr. p. 549; Gaz. vol. 132; p. 1338.
- Beds, Short rail for. O. G. Franks. No. 875,703; Jan. 7; Sp. p. 47; Dr. p. 10; Gaz. vol. 132; p. 11.

Alphabetical list of inventions—Continued.

- Beds, &c., Spring-bottom for. G. B. Smith. No. 905,243; Dec. 1; Sp. p. 239; Gaz. vol. 137; p. 1024.
- Bedclothes-clamp. D. Martin. No. 884,832; Apr. 14; Sp. p. 2385; Dr. p. 502; Gaz. vol. 133; p. 1601.
- Bedclothes-clamp. A. C. Keller. No. 893,517; July 14; Sp. p. 2294; Dr. p. 481; Gaz. vol. 135; p. 402.
- Bedstead. B. Scherl. No. 881,030; Mar. 3; Sp. p. 1079; Dr. p. 234; Gaz. vol. 133; p. 184.
- Bedstead. A. Calvert. No. 888,466; May 26; Sp. p. 4285; Dr. p. 907; Gaz. vol. 134; p. 787.
- Bedstead. E. T. Morris. No. 894,034; July 21; Sp. p. 3467; Dr. p. 710; Gaz. vol. 135; p. 603.
- Bedstead. H. W. Thompson. No. 897,677; Sept. 1; Sp. p. 882; Dr. pp. 188-9; Gaz. vol. 136; p. 141.
- Bedstead. F. E. Hall. No. 902,820; Nov. 3; Sp. p. 569; Gaz. vol. 137; p. 97.
- Bedstead. J. A. Wilson. No. 906,348; Dec. 8; Sp. p. 2416; Gaz. vol. 137; p. 1415.
- Bedstead. H. B. Arnold. No. 907,556; Dec. 22; Sp. p. 4740; Gaz. vol. 137; p. 1866.
- Bedstead and mattress, Combination. J. F. Stephenson. No. 899,351; Sept. 22; Sp. p. 4164; Dr. p. 891; Gaz. vol. 136; p. 773.
- Bedstead attachment. W. T. Mott. No. 881,018; Mar. 3; Sp. p. 1058; Dr. p. 229; Gaz. vol. 133; p. 180.
- Bedstead corner-fastener. A. E. Ireland. No. 902,085; Oct. 27; Sp. p. 4215; Dr. p. 854; Gaz. vol. 136; p. 1823.
- Bedstead corner-fastening. G. A. Carlson. No. 904,681; Nov. 24; Sp. p. 4407; Gaz. vol. 137; p. 800.
- Bedstead crib attachment. W. G. Schnee. No. 887,529; May 12; Sp. p. 2451; Dr. p. 517; Gaz. vol. 134; p. 422.
- Bedstead, Extensible. G. Terpenning. No. 905,764; Dec. 1; Sp. p. 1289; Gaz. vol. 137; p. 1194.
- Bedstead, Extension-. H. B. Arnold. No. 893,221; July 14; Sp. p. 1688; Dr. p. 356; Gaz. vol. 135; p. 305.
- Bedstead-fastening. L. B. Snyder. No. 899,345; Sept. 22; Sp. p. 4154; Dr. p. 889; Gaz. vol. 136; p. 771.
- Bedstead, Metal. J. C. Scott. No. 894,748; July 28; Sp. p. 4910; Dr. p. 1022; Gaz. vol. 135; p. 857.
- Bedstead, Metal. L. B. Snyder and S. T. Heron. No. 897,671; Sept. 1; Sp. p. 873; Dr. p. 187; Gaz. vol. 136; p. 139.
- Bedstead, Metallic. C. Netzel. No. 901,992; Oct. 27; Sp. p. 4048; Dr. p. 821; Gaz. vol. 136; p. 1794.
- Bedstead, Sheet-metal. C. A. Linden and E. J. Lund. No. 899,173; Sept. 22; Sp. p. 3822; Dr. p. 818; Gaz. vol. 136; p. 716.
- Bedstead, Sofa-. H. C. Aiken. No. 894,805; Aug. 4; Sp. p. 1; Dr. p. 1; Gaz. vol. 135; p. 901.
- Bedstead, stretcher, and the like. F. Wood. No. 896,426; Aug. 18; Sp. p. 3280; Dr. p. 703; Gaz. vol. 135; p. 1480.
- Bedstead, Wardrobe-. W. E. Ingram and C. W. Hinton. No. 879,050; Feb. 11; Sp. p. 2368; Dr. pp. 495-6; Gaz. vol. 132; p. 1259.
- Bedsteads, Combined mosquito-bar and table attachment for. M. E. C. Cowdrey. No. 905,660; Dec. 1; Sp. p. 1090; Gaz. vol. 137; p. 1159.
- Bedsteads, Table attachment for. A. O. Crosno. No. 876,041; Jan. 7; Sp. p. 687; Dr. p. 147; Gaz. vol. 132; p. 119.
- Bee-feeder. W. L. Johnson. No. 905,706; Dec. 1; Sp. p. 1174; Gaz. vol. 137; p. 1174.
- Bee-keeper's knife. H. J. Porter. No. 883,343; Mar. 31; Sp. p. 5678; Dr. p. 1212; Gaz. vol. 133; p. 1058.
- Beehive. L. A. Aspinwall. No. 891,583; June 23; Sp. p. 4864; Dr. p. 1048; Gaz. vol. 134; p. 1926.
- Beehive. L. A. Aspinwall. No. 891,584; June 23; Sp. p. 4867; Dr. p. 1049; Gaz. vol. 134; p. 1927.
- Beehive. L. A. Aspinwall. No. 891,585; June 23; Sp. p. 4869; Dr. p. 1049; Gaz. vol. 134; p. 1927.
- Beehive. R. Williamson. No. 896,498; Aug. 18; Sp. p. 3430; Dr. p. 738; Gaz. vol. 135; p. 1503.
- Beehive-carrier. A. C. Brovald. No. 905,643; Dec. 1; Sp. p. 1062; Gaz. vol. 137; p. 1154.
- Beehive-forming mechanism. P. J. Fink. No. 886,488; May 5; Sp. p. 288; Dr. p. 61; Gaz. vol. 134; p. 53.
- Beehives, Foundation-fastener for honey-sections of. E. H. Dewey. No. 890,619; June 16; Sp. p. 2886; Dr. pp. 634-5; Gaz. vol. 134; p. 1580.
- Beehives, Super for. C. H. Bachmann. No. 901,058; Oct. 13; Sp. p. 2085; Dr. p. 424; Gaz. vol. 136; p. 1423.
- Beef-truck cradle. C. A. Parkerson, Jr. No. 906,919; Dec. 15; Sp. p. 3481; Gaz. vol. 137; p. 1621.
- Beer and like liquids, Apparatus for cooling. H. G. Miller. No. 892,674; July 7; Sp. p. 546; Dr. p. 115; Gaz. vol. 135; p. 97.
- Beer apparatus, Cooling-coil for. C. Meldau. No. 876,823; Jan. 14; Sp. p. 2302; Dr. p. 506; Gaz. vol. 123; p. 407.
- Beer, Brewing. L. Nathan and H. Bolze. No. 899,756; Sept. 29; Sp. p. 4981; Dr. p. 1068; Gaz. vol. 136; p. 940.
- Beer-case seal-lock. F. B. Williams. No. 896,786; Aug. 25; Sp. p. 4015; Dr. p. 864; Gaz. vol. 135; p. 1619.
- Beer, &c., cooler. E. Neely. No. 888,406; May 19; Sp. p. 4151; Dr. pp. 877-8; Gaz. vol. 134; p. 736.
- Beer-cooler. E. B. Hogan. No. 889,607; June 2; Sp. p. 824; Dr. p. 188; Gaz. vol. 134; p. 1191.
- Beer-cooler. F. G. Engel. No. 907,018; Dec. 15; Sp. p. 3654; Gaz. vol. 137; p. 1651.
- Beer cooling and purifying apparatus. V. F. Boehm. No. 882,862; Mar. 24; Sp. p. 4727; Dr. p. 1004; Gaz. vol. 133; p. 871.
- Beer-dispensing apparatus. S. J. Asbell. No. 900,076; Oct. 6; Sp. p. 5; Dr. pp. 1-2; Gaz. vol. 136; p. 1075.
- Beeswax, Bleaching. A. Muller-Jacobs. No. 883,661; Mar. 31; Sp. p. 6352; Gaz. vol. 133; p. 1159.
- Beeswax-rendering apparatus. F. R. Beuhne. No. 877,544; Jan. 28; Sp. p. 3831; Dr. p. 828; Gaz. vol. 132; p. 709.
- Beet-chopper. T. A. Roberts. No. 877,737; Jan. 28; Sp. p. 4191; Dr. pp. 908-9; Gaz. vol. 132; p. 770.
- Beet-handling apparatus. D. L. Joehneck. No. 898,112; Sept. 8; Sp. p. 1801; Dr. p. 383; Gaz. vol. 136; p. 314.
- Beet-loader. D. Barney. No. 891,973; June 30; Sp. p. 5692; Dr. pp. 1225-6; Gaz. vol. 134; p. 2090.
- Beet-puller. L. Prue and W. Charlton. No. 879,065; Feb. 11; Sp. p. 2399; Dr. p. 502; Gaz. vol. 132; p. 1264.
- Beet-puller. E. A. Smith. No. 885,538; Apr. 21; Sp. p. 3851; Dr. p. 805; Gaz. vol. 133; p. 1859.
- Beet-topper. C. L. Winterburn. No. 877,975; Feb. 4; Sp. p. 155; Dr. p. 35; Gaz. vol. 132; p. 875.
- Beet topping and harvesting machine. F. Lotter. No. 884,673; Apr. 14; Sp. p. 2071; Dr. p. 442; Gaz. vol. 133; p. 1548.
- Beet-topping machine. J. N. Hanna and D. K. Waugh. No. 882,465; Mar. 17; Sp. p. 3911; Dr. pp. 836-7; Gaz. vol. 133; p. 707.
- Beet-topping machine. A. R. Stevens. No. 887,975; May 19; Sp. p. 3335; Dr. p. 699; Gaz. vol. 134; p. 599.
- Beet-topping machine. J. N. Hanna and D. K. Waugh. No. 908,254; Dec. 29; Sp. p. 6261; Gaz. vol. 137; p. 2128.
- Beet-unloader. S. M. Thornton. No. 901,852; Oct. 20; Sp. p. 3731; Dr. p. 759; Gaz. vol. 136; p. 1717.
- Beets and the like roots, Machine for cutting off the tops of. O. N. Frankman. No. 891,054; June 16; Sp. p. 3794; Dr. p. 828; Gaz. vol. 134; p. 1724.
- Beets, Refuse-separator for. H. S. Rollins. No. 876,239; Jan. 7; Sp. p. 1071; Dr. pp. 232-3; Gaz. vol. 132; p. 182.
- Beets, Treating sugar-. M. Weinrich. No. 881,641; Mar. 10; Sp. p. 2294; Dr. p. 497; Gaz. vol. 133; p. 413.
- Bell and alloy for same. E. W. Vanduzen. No. 891,576; June 23; Sp. p. 4854; Dr. p. 1046; Gaz. vol. 134; p. 1925.
- Bell and the like, Dumb-. A. Calvert. No. 907,965; Dec. 29; Sp. p. 5646; Gaz. vol. 137; p. 2030.
- Bell, Diving-. E. J. Hassan. No. 908,095; Dec. 22; Sp. p. 5917; Gaz. vol. 137; p. 2074.
- Bell, Door-. N. B. Le Fevre. No. 889,316; June 2; Sp. p. 243; Dr. p. 59; Gaz. vol. 134; p. 1097.
- Bell, Electric. C. J. Wagner. No. 880,940; Mar. 3; Sp. p. 916; Dr. p. 197; Gaz. vol. 133; p. 155.
- Bell, Electric. D. M. Bliss. No. 881,539; Mar. 10; Sp. p. 2076; Dr. p. 454; Gaz. vol. 133; p. 378.
- Bell, Electric. T. Rosati. No. 898,686; Sept. 15; Sp. p. 2915; Dr. p. 624; Gaz. vol. 136; p. 530.
- Bell, Electric. G. L. Patterson. No. 901,033; Oct. 13; Sp. p. 2039; Dr. p. 413; Gaz. vol. 136; p. 1416.
- Bell, Electric. C. H. North. No. 902,105; Oct. 27; Sp. p. 4258; Dr. p. 863; Gaz. vol. 136; p. 1830.
- Bell, Gravity signal-. J. M. Chambers. No. 877,409; Jan. 21; Sp. p. 3538; Dr. p. 765; Gaz. vol. 132; p. 643.
- Bell, Magnet-actuated signal-. H. W. Eden. No. 893,314; July 14; Sp. p. 1864; Dr. p. 389; Gaz. vol. 135; p. 336.
- Bell mechanism. W. R. Moore. No. 888,725; May 26; Sp. p. 4813; Dr. p. 1026; Gaz. vol. 134; p. 874.
- Bell mechanism, Door-. A. R. Pool and W. Elliott. No. 894,901; Aug. 4; Sp. p. 228; Dr. p. 56; Gaz. vol. 135; p. 934.
- Bell, Musical. J. C. Deagan. No. 899,341; June 9; Sp. p. 2323; Dr. p. 513; Gaz. vol. 134; p. 1458.
- Bell-operating device, Mechanical. J. Gravelle. No. 900,723; Oct. 13; Sp. p. 1395; Dr. p. 284; Gaz. vol. 136; p. 1314.
- Bell-ringer, Electric. G. Macloskie. No. 888,340; May 19; Sp. p. 4009; Dr. p. 847; Gaz. vol. 134; p. 715.
- Bell-ringing mechanism. L. H. McInnis. No. 875,836; Jan. 7; Sp. p. 299; Dr. p. 64; Gaz. vol. 132; p. 55.
- Bell, Sound-reproducing. C. G. Conn. No. 903,059; Nov. 3; Sp. p. 1060; Gaz. vol. 137; p. 173.
- Bell, Swinging. W. P. and W. F. Elliott, Jr. No. 882,780; Mar. 24; Sp. p. 4539; Dr. p. 969; Gaz. vol. 133; p. 843.
- Bells Circuit-closer for call-. R. Henderson. No. 898,104; Sept. 8; Sp. p. 1785; Dr. p. 379; Gaz. vol. 136; p. 312.
- Bellows. E. Paro. No. 887,118; May 12; Sp. p. 1553; Dr. p. 328; Gaz. vol. 134; p. 285.
- Bellows, Hand-. J. H. Fecker and C. C. Jelleff. No. 878,367; Feb. 4; Sp. p. 959; Dr. p. 192; Gaz. vol. 132; p. 1004.
- Bellows package for distributing powder. S. A. Adams. No. 899,496; Sept. 29; Sp. p. 4438; Dr. p. 952; Gaz. vol. 136; p. 855.
- Bellows-pedal, Folding. C. S. Wright. No. 899,935; Sept. 29; Sp. p. 5376; Dr. pp. 1146-7; Gaz. vol. 136; p. 998.
- Belt. H. J. Reynolds. No. 878,897; Feb. 11; Sp. p. 2103; Dr. p. 438; Gaz. vol. 132; p. 1212.
- Belt. A. Susseles. No. 886,439; May 5; Sp. p. 192; Dr. p. 42; Gaz. vol. 134; p. 36.
- Belt. R. B. Dwyer. No. 886,780; May 5; Sp. p. 912; Dr. p. 189; Gaz. vol. 134; p. 150.
- Belt. F. R. Batchelder. No. 894,772; July 28; Sp. p. 4951; Dr. p. 1032; Gaz. vol. 135; p. 865.
- Belt. I. Tanner. No. 898,700; Sept. 15; Sp. p. 2938; Dr. p. 630; Gaz. vol. 136; p. 635.
- Belt. G. Fouillaron. No. 902,224; Oct. 27; Sp. p. 4535; Dr. p. 912; Gaz. vol. 136; p. 1867.
- Belt. J. F. Peterson. No. 906,557; Dec. 15; Sp. p. 2794; Gaz. vol. 137; p. 1507.
- Belt and belt-fastener. K. Mastale. No. 899,831; Sept. 23; Sp. p. 5145; Dr. p. 1101; Gaz. vol. 136; p. 966.
- Belt and support for abdominal treatment. H. T. Renton. No. 880,041; Feb. 25; Sp. p. 4461; Dr. pp. 936-7; Gaz. vol. 132; p. 1658.
- Belt attachment. C. E. Smith. No. 890,383; June 9; Sp. p. 2493; Dr. p. 530; Gaz. vol. 134; p. 1470.
- Belt attachment. C. E. Smith. (Reissue). No. 12,897; Dec. 15; Sp. p. 3846; Gaz. vol. 137; p. 1684.
- Belt attachment, Link-. E. Eklund. No. 902,524; Oct. 27; Sp. p. 5164; Dr. p. 1046; Gaz. vol. 136; p. 1969.
- Belt-clamp. W. H. Gilbert. No. 895,361; Aug. 4; Sp. p. 1169; Dr. p. 245; Gaz. vol. 135; p. 1089.
- Belt clasp or buckle. G. J. Kelley. No. 896,392; Aug. 18; Sp. p. 3210; Dr. p. 658; Gaz. vol. 135; p. 1467.

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- Belt, Conveyer-. A. W. Walton. No. 894,356; July 28; Sp. p. 4142; Dr. p. 856; Gaz. vol. 135; p. 730.
- Belt-coupling. O. N. Tevander. No. 876,607; Jan. 14; Sp. p. 1900; Dr. p. 414; Gaz. vol. 132; p. 339.
- Belt-coupling. D. Chase. No. 901,952; Oct. 27; Sp. p. 3939; Dr. p. 804; Gaz. vol. 136; p. 1781.
- Belt, Distributing and conveying. T. J. Carter. No. 880,356; Feb. 25; Sp. p. 5070; Dr. p. 1071; Gaz. vol. 132; p. 1761.
- Belt-dressing brush-bar. E. F. Gingras. No. 907,335; Dec. 22; Sp. p. 4312; Gaz. vol. 137; p. 1793.
- Belt-drive mechanism. J. F. Harrison. No. 907,045; Dec. 15; Sp. p. 3706; Gaz. vol. 137; p. 1660.
- Belt, Electric. V. Sence. No. 895,506; Aug. 11; Sp. p. 1464; Dr. p. 307; Gaz. vol. 135; p. 1161.
- Belt, Endless conveyer-. I. F. Manning. No. 878,650; Feb. 11; Sp. p. 1631; Dr. p. 333; Gaz. vol. 132; p. 1133.
- Belt evener. Conveyer-. F. Martin. No. 878,815; Feb. 11; Sp. p. 1943; Dr. p. 402; Gaz. vol. 132; p. 1186.
- Belt-fastener. G. M. Harrison. No. 878,950; Feb. 11; Sp. p. 2192; Dr. p. 459; Gaz. vol. 132; p. 1228.
- Belt-fastener. A. L. Eaton. No. 881,389; Mar. 10; Sp. p. 1799; Dr. p. 389; Gaz. vol. 133; p. 330.
- Belt-fastener. P. A. Hudson. No. 886,215; Apr. 28; Sp. p. 5219; Dr. p. 1099; Gaz. vol. 133; p. 2109.
- Belt-fastener. F. M. Linderman. No. 894,511; July 28; Sp. p. 4458; Dr. p. 923; Gaz. vol. 135; p. 780.
- Belt-fastener. W. S. Langford. No. 896,556; Aug. 18; Sp. p. 3543; Dr. p. 761; Gaz. vol. 135; p. 1522.
- Belt-fastener. V. E. Lindberg and A. Seaholm. No. 897,115; Aug. 25; Sp. p. 4724; Dr. p. 1007; Gaz. vol. 135; p. 1729.
- Belt-fastener. A. G. Tomkies. No. 900,615; Oct. 6; Sp. p. 1170; Dr. pp. 238-9; Gaz. vol. 136; p. 1252.
- Belt-fastener. J. H. Woollicroft. No. 904,910; Nov. 24; Sp. p. 4905; Gaz. vol. 137; p. 876.
- Belt-fastener plate having beaded or rolled edges. G. F. Bull and I. Jackson. No. 895,424; Aug. 11; Sp. p. 1302; Dr. p. 273; Gaz. vol. 135; p. 1133.
- Belt for power transmission. G. Magaldi. No. 886,525; May 5; Sp. p. 361; Dr. p. 75; Gaz. vol. 134; p. 66.
- Belt for stackers, self-leaders, and the like. J. Lamuth. No. 887,948; May 19; Sp. p. 3277; Dr. p. 689; Gaz. vol. 134; p. 590.
- Belt, Garment-supporting. F. O. Wood. No. 875,973; Jan. 7; Sp. p. 560; Dr. p. 120; Gaz. vol. 132; p. 98.
- Belt-guide. H. R. Kuefler. No. 881,693; Mar. 10; Sp. p. 2387; Dr. p. 518; Gaz. vol. 133; p. 429.
- Belt-guide. S. D. Felsing. No. 883,185; Mar. 31; Sp. p. 5361; Dr. p. 1142; Gaz. vol. 133; p. 1006.
- Belt-guide. E. W. Gans and J. C. Ackerman. No. 895,447; Aug. 11; Sp. p. 1344; Dr. p. 283; Gaz. vol. 135; p. 1140.
- Belt-guide. N. A. Groat. No. 899,970; Sept. 29; Sp. p. 5442; Dr. p. 1160; Gaz. vol. 136; p. 1010.
- Belt guide and shifter. D. Halliday. No. 896,726; Aug. 25; Sp. p. 3869; Dr. p. 837; Gaz. vol. 135; p. 1597.
- Belt-guide, Automatic. H. F. Snyder. No. 839,342; June 2; Sp. p. 289; Dr. p. 69; Gaz. vol. 134; p. 1105.
- Belt-guide, Automatic. E. H. Gregory. No. 897,092; Aug. 25; Sp. p. 4678; Dr. p. 997; Gaz. vol. 135; p. 1721.
- Belt, Life-. L. Forté. No. 882,057; Mar. 17; Sp. p. 3161; Dr. p. 672; Gaz. vol. 133; p. 574.
- Belt-making machine. E. A. Usina. No. 884,544; Apr. 14; Sp. p. 1776; Dr. pp. 381-2; Gaz. vol. 133; p. 1505.
- Belt, Metallic. H. L. Canne. No. 892,807; July 7; Sp. p. 814; Dr. p. 173; Gaz. vol. 135; p. 139.
- Belt or apron adjusting or shifting mechanism. S. Moe. No. 889,948; June 9; Sp. p. 1491; Dr. p. 339; Gaz. vol. 134; p. 1326.
- Belt pin and clasp, Combined. E. C. Fisher. No. 887,618; May 12; Sp. p. 2606; Dr. p. 549; Gaz. vol. 134; p. 450.
- Belt, Power-transmission. G. Meacham and J. G. Sundblom. No. 884,100; Apr. 7; Sp. p. 873; Dr. p. 183; Gaz. vol. 133; p. 1332.
- Belt-punch. D. W. Carr. No. 908,071; Dec. 29; Sp. p. 5858; Gaz. vol. 137; p. 2065.
- Belt, Safety-. L. L. Hull. No. 895,021; Aug. 24; Sp. p. 506; Dr. p. 101; Gaz. vol. 135; p. 976.
- Belt, Sanitary. L. J. Davis. No. 893,459; July 14; Sp. p. 2172; Dr. p. 457; Gaz. vol. 135; p. 383.
- Belt-shifter. F. L. Lucke. No. 890,915; June 16; Sp. p. 3494; Dr. p. 766; Gaz. vol. 134; p. 1676.
- Belt-shifting means. E. Wirth. No. 897,441; Sept. 1; Sp. p. 416; Dr. p. 88; Gaz. vol. 136; p. 65.
- Belt-shifting mechanism. I. A. Rommer. No. 886,730; May 5; Sp. p. 809; Dr. pp. 167-8; Gaz. vol. 134; p. 135.
- Belt-stretcher. W. Lozo. No. 889,250; June 2; Sp. p. 109; Dr. p. 26; Gaz. vol. 134; p. 1076.
- Belt-stretcher. R. I. Henderson. No. 892,959; July 7; Sp. p. 1142; Dr. p. 240; Gaz. vol. 135; p. 191.
- Belt-stretcher. P. E. Chase. No. 893,982; July 21; Sp. p. 3355; Dr. p. 687; Gaz. vol. 135; p. 586.
- Belt-tension-regulating mechanism. B. M. W. Hanson. No. 905,525; Dec. 1; Sp. p. 845; Gaz. vol. 137; p. 1117.
- Belt-thrower. D. A. Roderick. No. 904,648; Nov. 24; Sp. p. 4345; Gaz. vol. 137; p. 789.
- Belt-tightener. J. M. Schinner. No. 879,328; Feb. 18; Sp. p. 2936; Dr. p. 612; Gaz. vol. 132; p. 1391.
- Belt-tightener. J. Null. No. 880,816; Mar. 3; Sp. p. 663; Dr. p. 140; Gaz. vol. 133; p. 114.
- Belt-tightener. W. B. Parrish. No. 888,031; May 19; Sp. p. 3434; Dr. p. 721; Gaz. vol. 134; p. 617.
- Belt-tightener. J. T. Sullivan. No. 898,523; Sept. 15; Sp. p. 2589; Dr. p. 553; Gaz. vol. 136; p. 478.
- Belt-tightener. F. L. Lane and B. D. Stevens. No. 899,741; Sept. 29; Sp. p. 4949; Dr. p. 1061; Gaz. vol. 136; p. 934.
- Belt-tightener. B. M. W. Hanson. No. 905,526; Dec. 1; Sp. p. 847; Gaz. vol. 137; p. 1118.
- Belts and the like, Built up material for. J. Müller. No. 904,350; Nov. 17; Sp. p. 3731; Gaz. vol. 137; p. 664.
- Belts, Cross-stay for. J. A. Wangness. No. 887,158; May 12; Sp. p. 1614; Dr. p. 343; Gaz. vol. 134; p. 297.
- Belt and machinery therefor, Manufacture of leather. E. F. Sargeant. No. 884,528; Apr. 14; Sp. p. 1738; Dr. pp. 373-5; Gaz. vol. 133; p. 1499.
- Belt and clamp. Rope-. J. Kast. No. 903,727; Nov. 10; Sp. p. 2378; Gaz. vol. 137; p. 418.
- Bench. See Animal-bench; Dog-bench; Draw-bench; Greenhouse-bench; Piano-bench; Snap-bench.
- Bench-dog. M. C. Davis. No. 875,786; Jan. 7; Sp. p. 210; Dr. p. 45; Gaz. vol. 132; p. 39.
- Bench-dog. C. H. Krogh. No. 891,080; June 16; Sp. p. 3835; Dr. p. 838; Gaz. vol. 134; p. 1731.
- Bench-drawer. B. L. Waters. No. 881,511; Mar. 10; Sp. p. 2031; Dr. p. 443; Gaz. vol. 133; p. 369.
- Bending and straightening machine. A. Rogge. No. 907,889; Dec. 29; Sp. p. 5483; Gaz. vol. 137; p. 2006.
- Bending-machine. J. R. Welch. No. 882,133; Mar. 17; Sp. p. 3295; Dr. pp. 702-3; Gaz. vol. 133; p. 600.
- Bending-machine. A. Wood. No. 886,027; Apr. 23; Sp. p. 4873; Dr. p. 1026; Gaz. vol. 133; p. 2049.
- Bending-machine. J. B. Cameron. No. 905,841; Dec. 8; Sp. p. 1442; Gaz. vol. 137; p. 1250.
- Bending-rolls. C. A. Bertsch. No. 877,038; Jan. 21; Sp. p. 2797; Dr. p. 604; Gaz. vol. 132; p. 522.
- Berry-box. T. Heinrich. No. 884,820; Apr. 14; Sp. p. 2368; Dr. p. 498; Gaz. vol. 133; p. 1598.
- Berry-box. H. Alwes. No. 889,651; June 2; Sp. p. 895; Dr. p. 206; Gaz. vol. 134; p. 1205.
- Berry-box. H. Alwes. No. 890,395; June 9; Sp. p. 2422; Dr. p. 535; Gaz. vol. 134; p. 1474.
- Berry-holder. W. A. Day. No. 907,012; Dec. 15; Sp. p. 3647; Gaz. vol. 137; p. 1649.
- Berry-picker. J. W. Holman. No. 880,887; Mar. 3; Sp. p. 825; Dr. p. 175; Gaz. vol. 133; p. 138.
- Berry-picker. P. H. Emley. No. 893,908; July 21; Sp. p. 3193; Dr. p. 657; Gaz. vol. 135; p. 561.
- Berth, Ship's. F. L. Ames. No. 878,852; Feb. 11; Sp. p. 2011; Dr. p. 416; Gaz. vol. 132; p. 1197.
- Bevel. C. Bodmer. No. 893,223; July 14; Sp. p. 1691; Dr. p. 357; Gaz. vol. 135; p. 305.
- Bevel. O. S. Messner. No. 896,847; Aug. 25; Sp. p. 4151; Dr. p. 889; Gaz. vol. 135; p. 1640.
- Bevel and square, Combined. S. G. Petterson. No. 883,908; Apr. 7; Sp. p. 431; Dr. pp. 94-5; Gaz. vol. 133; p. 1269.
- Beveling-machine. E. H. Slick. No. 887,350; May 12; Sp. p. 2070; Dr. p. 434; Gaz. vol. 134; p. 363.
- Beverage cooling and dispensing apparatus. J. R. Halloran. No. 880,075; Feb. 25; Sp. p. 4522; Dr. p. 952; Gaz. vol. 132; p. 1668.
- Beverage cooling and dispensing apparatus. F. G. Schneider and W. C. L. Ziehn. No. 902,333; Oct. 27; Sp. p. 4753; Dr. p. 959; Gaz. vol. 136; p. 1905.
- Beverages from pure hemoglobin and fermentable sugar, Producing vinaceous. F. G. Sauer. No. 878,900; Feb. 11; Sp. p. 2107; Gaz. vol. 132; p. 1213.
- Beverages, Making fermented. M. Wallerstein. No. 905,029; Nov. 24; Sp. p. 5142; Gaz. vol. 137; p. 916.
- Bezel and construction thereof. L. Mandel. No. 907,156; Dec. 22; Sp. p. 3938; Gaz. vol. 137; p. 1732.
- Bias-fold cutter. E. C. Scates. No. 884,219; Apr. 7; Sp. p. 1141; Dr. p. 240; Gaz. vol. 133; p. 1371.
- Bias goods, Producing. W. W. Bewick. No. 893,300; July 14; Sp. p. 1840; Dr. p. 385; Gaz. vol. 135; p. 331.
- Bib. M. S. Thompson. No. 879,124; Feb. 11; Sp. p. 2541; Dr. p. 528; Gaz. vol. 132; p. 1282.
- Bib, Infant's. M. W. Walbridge. No. 889,073; May 26; Sp. p. 5521; Dr. p. 1173; Gaz. vol. 134; p. 987.
- Bicycle. J. C. Herr. No. 877,337; Jan. 21; Sp. p. 3395; Dr. p. 736; Gaz. vol. 132; p. 620.
- Bicycle. R. Huber. No. 891,071; June 16; Sp. p. 3820; Dr. p. 834; Gaz. vol. 134; p. 1728.
- Bicycle. L. M. Silva. No. 902,920; Nov. 3; Sp. p. 780; Gaz. vol. 137; p. 129.
- Bicycle and tandem frame, Convertible. C. Hedstrom. No. 895,753; Aug. 11; Sp. p. 1954; Dr. p. 413; Gaz. vol. 135; p. 1240.
- Bicycle attachment. B. M. Badger. No. 877,820; Jan. 28; Sp. p. 4333; Dr. p. 941; Gaz. vol. 132; p. 795.
- Bicycle brake-lock. B. Pédoucas. No. 897,926; Sept. 8; Sp. p. 1419; Dr. pp. 302-3; Gaz. vol. 136; p. 255.
- Bicycle-crank. A. Cataldo. No. 892,935; July 7; Sp. p. 1102; Dr. p. 231; Gaz. vol. 135; p. 182.
- Bicycle crank-hanger. G. H. Meiser. No. 903,392; Nov. 10; Sp. p. 1702; Gaz. vol. 137; p. 311.
- Bicycle-fork, Spring. E. W. Hoag and C. R. Kittle. No. 901,447; Oct. 20; Sp. p. 2904; Dr. pp. 591-2; Gaz. vol. 136; p. 1587.
- Bicycle frame-brace. A. L. Girard. No. 879,453; Feb. 18; Sp. p. 3225; Dr. p. 671; Gaz. vol. 132; p. 1433.
- Bicycle handle-bar. J. E. Brannan. No. 897,579; Sept. 1; Sp. p. 606; Dr. p. 146; Gaz. vol. 136; p. 110.
- Bicycle handle-bar. H. D. Griswold. No. 903,468; Nov. 10; Sp. p. 1866; Gaz. vol. 137; p. 337.
- Bicycle package-carrier. W. H. Reed. No. 875,949; Jan. 7; Sp. p. 498; Dr. p. 107; Gaz. vol. 132; p. 90.
- Bicycle package-carrier. G. W. Blake. No. 900,080; Oct. 6; Sp. p. 13; Dr. p. 3; Gaz. vol. 136; p. 1077.
- Bicycle parcel-carrier. C. W. Rosencrance. No. 882,346; Mar. 17; Sp. p. 3718; Dr. p. 790; Gaz. vol. 133; p. 670.

Alphabetical list of inventions—Continued.

- Bicycle saddle-spring. M. M. Deem. No. 881,381; Mar. 10; Sp. p. 1784; Dr. p. 385; Gaz. vol. 133; p. 327.
 Bicycle spring-frame. C. Blankenheim. No. 896,078; Aug. 18; Sp. p. 2600; Dr. p. 563; Gaz. vol. 135; p. 1368.
 Bicycle-support. J. C. Scoggins. No. 891,445; June 23; Sp. p. 4581; Dr. p. 996; Gaz. vol. 134; p. 1883.
 Bicycle, Water. J. L. Henry. No. 883,018; Mar. 24; Sp. p. 5022; Dr. p. 1068; Gaz. vol. 133; p. 922.
 Bicycle-wheel whereby it may be placed concentric or eccentric with axle, Means for mounting a. A. D. Robbins. No. 883,746; Apr. 7; Sp. p. 130; Dr. pp. 23-4; Gaz. vol. 133; p. 1214.
 Bicycles, Carrying attachment for. J. Jähnel and B. Grohmann. No. 903,290; Nov. 10; Sp. p. 1511; Gaz. vol. 137; p. 279.
 Bicycles, Free-wheel hub for. C. O. Rydberg. No. 882,126; Mar. 17; Sp. p. 3282; Dr. p. 700; Gaz. vol. 133; p. 598.
 Bicycles, &c., Gearing mechanism for. W. B. Smith. No. 881,729; Mar. 10; Sp. p. 2460; Dr. p. 530; Gaz. vol. 133; p. 439.
 Bicycles, Grinding attachment for. J. P. Grant. No. 875,806; Jan. 7; Sp. p. 246; Dr. p. 53; Gaz. vol. 132; p. 46.
 Bicycles, Variable-speed mechanism for chainless. F. H. Richards. No. 898,783; Sept. 15; Sp. p. 3085; Dr. pp. 661-2; Gaz. vol. 136; p. 561.
 Bidding-box. J. E. and L. C. Hood. No. 908,263; Dec. 29; Sp. p. 6280; Gaz. vol. 137; p. 2131.
 Bidet, Hand-. F. Weidl. No. 901,134; Oct. 13; Sp. p. 2221; Dr. p. 452; Gaz. vol. 136; p. 1446.
 Bilge bodies, Shaping. R. W. Hardie. No. 901,963; Oct. 27; Sp. p. 3960; Dr. p. 809; Gaz. vol. 136; p. 1785.
 Bilge-water ejector. L. Ebbe. No. 899,248; Sept. 22; Sp. p. 3994; Dr. p. 851; Gaz. vol. 136; p. 741.
 Bill-board. E. T. Fyler. No. 907,772; Dec. 29; Sp. p. 5250; Gaz. vol. 137; p. 1968.
 Bill-head or statement, Self-inclosing. J. Souder. No. 876,743; Jan. 14; Sp. p. 2162; Dr. p. 475; Gaz. vol. 132; p. 383.
 Bill-hook. F. Lindemann. No. 903,299; Nov. 10; Sp. p. 1525; Gaz. vol. 137; p. 281.
 Bill or bag holder. J. Morgan. No. 893,251; Sept. 8; Sp. p. 2068; Dr. p. 439; Gaz. vol. 136; p. 357.
 Bills and the like, Device for holding. A. T. Kindwall. No. 883,317; Mar. 31; Sp. p. 5639; Dr. p. 1203; Gaz. vol. 133; p. 1050.
 Billet-heating furnace. C. J. F. Johnson. No. 897,746; Sept. 1; Sp. p. 1017; Dr. pp. 216-17; Gaz. vol. 136; p. 165.
 Billet-loop. G. D. Bailly. No. 886,575; May 5; Sp. p. 457; Dr. p. 97; Gaz. vol. 134; p. 84.
 Billets, Heating. C. J. F. Johnson. No. 897,834; Sept. 1; Sp. p. 1207; Dr. pp. 257-8; Gaz. vol. 136; p. 192.
 Billiard and other game table. H. G. Barrett. No. 889,843; June 2; Sp. p. 1266; Dr. p. 292; Gaz. vol. 134; p. 1266.
 Billiard and pool bridge. F. G. Farnham. No. 898,345; Sept. 8; Sp. p. 2225; Dr. p. 473; Gaz. vol. 136; p. 386.
 Billiard and pool table, Combined. R. Schneider. No. 895,110; Aug. 4; Sp. p. 677; Dr. p. 141; Gaz. vol. 135; p. 1006.
 Billiard-bridge. E. A. Nelson. No. 890,789; June 16; Sp. p. 3255; Dr. p. 712; Gaz. vol. 134; p. 1637.
 Billiard-chalk holder. M. Michaelson. No. 901,020; Oct. 13; Sp. p. 2014; Dr. p. 409; Gaz. vol. 136; p. 1411.
 Billiard-cue. A. K. Hanson. No. 894,434; July 28; Sp. p. 4313; Dr. p. 889; Gaz. vol. 135; p. 756.
 Billiard-cue adjustable tip-holder. H. Marsh. No. 905,021; Dec. 29; Sp. p. 5769; Gaz. vol. 137; p. 2049.
 Billiard-table and the like. F. Hepton. No. 902,151; Oct. 27; Sp. p. 4345; Dr. p. 880; Gaz. vol. 136; p. 1845.
 Billiard-table chalk attachment. W. Smith and F. Campbell. No. 905,350; Dec. 1; Sp. p. 505; Gaz. vol. 137; p. 1069.
 Billiard-table, Convertible. H. F. Davenport. No. 900,085; Oct. 6; Sp. p. 24; Dr. p. 4; Gaz. vol. 136; p. 1079.
 Bin: See Coke-bin; Grain-bin; Merchandise-bin; Storage-bin; Tilting bin.
 Bin, W. C. and F. W. Hobbs. No. 892,830; July 7; Sp. p. 873; Dr. p. 187; Gaz. vol. 135; p. 147.
 Binder. R. J. Copeland. No. 876,624; Jan. 14; Sp. p. 1935; Dr. p. 422; Gaz. vol. 132; p. 345.
 Binder. I. E. Rubel. No. 878,746; Feb. 11; Sp. p. 1803; Dr. p. 373; Gaz. vol. 132; p. 1163.
 Binder. N. F. Bourne. No. 879,356; Feb. 18; Sp. p. 2981; Dr. p. 623; Gaz. vol. 132; p. 1400.
 Binder. I. H. Rice. No. 885,648; Apr. 21; Sp. p. 4065; Dr. p. 849; Gaz. vol. 133; p. 1893.
 Binder. W. E. Dickson. No. 891,605; June 23; Sp. p. 4902; Dr. p. 1057; Gaz. vol. 134; p. 1933.
 Binder. J. F. Tapley. No. 903,621; Nov. 10; Sp. p. 2190; Gaz. vol. 137; p. 387.
 Binder. J. R. Barrett. No. 903,947; Nov. 17; Sp. p. 2876; Gaz. vol. 137; p. 525.
 Binder, Adjustable magazine-. J. A. Olson. No. 875,947; Jan. 7; Sp. p. 495; Dr. p. 107; Gaz. vol. 132; p. 90.
 Binder attachment. J. M. Darrow. No. 881,113; Mar. 10; Sp. p. 1237; Dr. p. 266; Gaz. vol. 133; p. 240.
 Binder attachment. J. E. Robb. No. 887,271; May 12; Sp. p. 1886; Dr. pp. 398-9; Gaz. vol. 134; p. 334.
 Binder for loose-leaf books. C. G. Van Buren. No. 890,541; June 9; Sp. p. 2694; Dr. p. 594; Gaz. vol. 134; p. 1521.
 Binder for loose leaves, Temporary. H. Wiedeman. No. 881,514; Mar. 10; Sp. p. 2035; Dr. p. 444; Gaz. vol. 133; p. 37.
 Binder for loose sheets, Temporary. L. C. McNeal. No. 898,385; Sept. 8; Sp. p. 2301; Dr. p. 489; Gaz. vol. 136; p. 400.
 Binder for papers, Temporary. H. N. McClain. No. 876,078; Jan. 7; Sp. p. 772; Dr. p. 165; Gaz. vol. 132; p. 131.
 Binder for sand cores, briquets, &c. E. D. Frohman. No. 903,558; Nov. 10; Sp. p. 2056; Gaz. vol. 137; p. 367.
 Binder-frame. F. G. Shiner. No. 882,880; Mar. 24; Sp. p. 4763; Dr. p. 1013; Gaz. vol. 133; p. 877.
 Binder-lock. G. A. Shemaker. No. 892,014; June 30; Sp. p. 5760; Dr. p. 1238; Gaz. vol. 134; p. 2102.
 Binder-lock. C. Daniels. No. 892,029; June 30; Sp. p. 5779; Dr. p. 1243; Gaz. vol. 134; p. 2106.
 Binder, Loose-leaf. H. Wiedeman. No. 876,250; Jan. 7; Sp. p. 1090; Dr. p. 238; Gaz. vol. 132; p. 185.
 Binder, Loose-leaf. A. Dom. No. 878,281; Feb. 4; Sp. p. 794; Dr. p. 159; Gaz. vol. 132; p. 976.
 Binder, Loose-leaf. C. S. Broadwell. No. 880,352; Feb. 25; Sp. p. 5063; Dr. p. 1009; Gaz. vol. 132; p. 1760.
 Binder, Loose-leaf. F. H. Smith. No. 881,161; Mar. 10; Sp. p. 1333; Dr. p. 286; Gaz. vol. 133; p. 257.
 Binder, Loose-leaf. H. M. Adler. No. 882,284; Mar. 17; Sp. p. 3599; Dr. p. 763; Gaz. vol. 133; p. 649.
 Binder, Loose-leaf. I. Shultes. No. 882,422; Mar. 17; Sp. p. 3848; Dr. p. 822; Gaz. vol. 133; p. 696.
 Binder, Loose-leaf. M. C. Neuner. No. 883,042; Mar. 24; Sp. p. 5065; Dr. p. 1080; Gaz. vol. 133; p. 929.
 Binder, Loose-leaf. F. A. De Graw. No. 884,134; Apr. 7; Sp. p. 987; Dr. p. 206; Gaz. vol. 133; p. 1344.
 Binder, Loose-leaf. A. E. Chatterton. No. 887,402; May 12; Sp. p. 2302; Dr. p. 483; Gaz. vol. 134; p. 398.
 Binder, Loose-leaf. J. C. Dawson. No. 888,788; May 26; Sp. p. 4964; Dr. p. 1159; Gaz. vol. 134; p. 894.
 Binder, Loose-leaf. F. H. Crump. No. 891,043; June 16; Sp. p. 3706; Dr. p. 822; Gaz. vol. 134; p. 1720.
 Binder, Loose-leaf. E. Fourcarr. No. 891,240; June 23; Sp. p. 4163; Dr. pp. 911-12; Gaz. vol. 134; p. 1815.
 Binder, Loose-leaf. W. M. Wheelton. No. 893,120; July 14; Sp. p. 1485; Dr. p. 314; Gaz. vol. 135; p. 273.
 Binder, Loose-leaf. W. M. Wheelton. No. 893,212; July 14; Sp. p. 1669; Dr. p. 352; Gaz. vol. 135; p. 301.
 Binder, Loose-leaf. J. C. Dawson. No. 893,312; July 14; Sp. p. 1860; Dr. p. 388; Gaz. vol. 135; p. 335.
 Binder, Loose-leaf. W. F. Heffner. No. 893,497; July 14; Sp. p. 2257; Dr. p. 474; Gaz. vol. 135; p. 396.
 Binder, Loose-leaf. A. Chronik. No. 894,601; July 28; Sp. p. 6645; Dr. p. 963; Gaz. vol. 135; p. 810.
 Binder, Loose-leaf. L. Hill. No. 897,535; Sept. 1; Sp. p. 607; Dr. p. 127; Gaz. vol. 136; p. 95.
 Binder, Loose-leaf. C. B. Cook. No. 897,878; Sept. 8; Sp. p. 1299; Dr. p. 278; Gaz. vol. 136; p. 237.
 Binder, Loose-leaf. J. C. Dawson. No. 901,076; Oct. 13; Sp. p. 2118; Dr. p. 431; Gaz. vol. 136; p. 1429.
 Binder, Loose-leaf. F. B. Jordan. No. 901,347; Oct. 20; Sp. p. 2653; Dr. p. 544; Gaz. vol. 136; p. 1551.
 Binder, Loose-leaf. C. R. Nelson. No. 901,549; Oct. 20; Sp. p. 3114; Dr. p. 636; Gaz. vol. 136; p. 1620.
 Binder, Loose-leaf. W. M. Wheelton. No. 902,189; Oct. 27; Sp. p. 4432; Dr. p. 897; Gaz. vol. 136; p. 1857.
 Binder, Loose-leaf. H. C. Miller. No. 902,672; Nov. 3; Sp. p. 271; Gaz. vol. 137; p. 46.
 Binder, Loose-leaf. R. M. Havens. No. 904,478; Nov. 17; Sp. p. 3977; Gaz. vol. 137; p. 705.
 Binder, Loose-leaf. O. Kellner, Jr. No. 904,618; Nov. 24; Sp. p. 4275; Gaz. vol. 137; p. 778.
 Binder, Loose-leaf. F. H. Crump. No. 905,663; Dec. 1; Sp. p. 1093; Gaz. vol. 137; p. 1160.
 Binder, Loose-leaf. C. C. Maitby and A. Dom. No. 905,726; Dec. 1; Sp. p. 1206; Gaz. vol. 137; p. 1180.
 Binder, Loose-leaf. L. B. Benedict. No. 906,095; Dec. 8; Sp. p. 1930; Gaz. vol. 137; p. 1330.
 Binder, Loose-leaf. J. C. Dawson. No. 906,512; Dec. 15; Sp. p. 2715; Gaz. vol. 137; p. 1492.
 Binder, Loose-leaf post. W. H. Garland. No. 882,059; Mar. 17; Sp. p. 3168; Dr. p. 673; Gaz. vol. 133; p. 576.
 Binder or loose-sheet holder, Temporary. H. F. Bushong. No. 890,019; June 9; Sp. p. 1642; Dr. p. 367; Gaz. vol. 134; p. 1351.
 Binder or loose-sheet holder, Temporary. H. F. Bushong. No. 890,020; June 9; Sp. p. 1645; Dr. p. 367; Gaz. vol. 134; p. 1351.
 Binder, Package-. C. R. Dreese. No. 904,184; Nov. 17; Sp. p. 3373; Gaz. vol. 137; p. 607.
 Binder, Paper-. C. C. Newson-Smith. No. 884,409; Apr. 14; Sp. p. 1435; Dr. p. 321; Gaz. vol. 133; p. 1462.
 Binder, Spring-. J. W. Stockwell. No. 887,979; May 19; Sp. p. 3336; Dr. p. 700; Gaz. vol. 134; p. 600.
 Binder, Temporary. W. N. Barnard. No. 877,478; Jan. 28; Sp. p. 3665; Dr. p. 795; Gaz. vol. 132; p. 686.
 Binder, Temporary. H. F. Bushong. No. 878,340; Feb. 4; Sp. p. 913; Dr. p. 182; Gaz. vol. 132; p. 996.
 Binder, Temporary. C. D. Trussell. No. 879,925; Feb. 25; Sp. p. 4235; Dr. p. 885; Gaz. vol. 132; p. 1022.
 Binder, Temporary. C. D. Trussell. No. 880,033; Feb. 25; Sp. p. 4431; Dr. p. 941; Gaz. vol. 132; p. 1661.
 Binder, Temporary. H. Wiedeman. No. 880,473; Feb. 25; Sp. p. 5331; Dr. p. 1122; Gaz. vol. 132; p. 1802.
 Binder, Temporary. L. M. Morden. No. 881,606; Mar. 10; Sp. p. 2220; Dr. p. 483; Gaz. vol. 133; p. 402.
 Binder, Temporary. J. Ahlberg. No. 884,351; Apr. 14; Sp. p. 1387; Dr. p. 297; Gaz. vol. 133; p. 1441.
 Binder, Temporary. W. M. Raynor. No. 892,084; June 30; Sp. p. 5879; Dr. p. 1266; Gaz. vol. 134; p. 2123.
 Binder, Temporary. C. C. Malby. No. 898,245; Sept. 8; Sp. p. 2009; Dr. p. 438; Gaz. vol. 136; p. 355.
 Binder, Temporary. M. W. Hyer. No. 898,580; Sept. 15; Sp. p. 2707; Dr. p. 577; Gaz. vol. 136; p. 495.
 Binder, Temporary. C. H. Moore. No. 905,559; Dec. 1; Sp. p. 907; Gaz. vol. 137; p. 1128.
 Binders and the like, Attachment for. J. B. Hughes. No. 904,130; Nov. 17; Sp. p. 3241; Gaz. vol. 137; p. 587.
 Binders, Automatic dump attachment for. R. H. Jefferies. No. 893,076; July 14; Sp. p. 1394; Dr. pp. 294-5; Gaz. vol. 135; p. 258.

Alphabetical list of inventions—Continued.

- Binders, Shocking attachment for. W. H. Perrin. No. 886,326; Apr. 28; Sp. p. 5457; Dr. p. 1144; Gaz. vol. 133; p. 2149.
- Binding and trimming, Bias. J. Armstrong. No. 882,285; Mar. 17; Sp. p. 3601; Dr. p. 764; Gaz. vol. 133; p. 649.
- Binding-chip, Electrical. B. L. Barnes. No. 876,515; Jan. 14; Sp. p. 1689; Dr. p. 368; Gaz. vol. 132; p. 307.
- Binding-machine. A. F. Preston. No. 896,461; Aug. 18; Sp. p. 3347; Dr. pp. 720-1; Gaz. vol. 135; p. 1491.
- Binding-post. N. Sohl. No. 892,319; June 30; Sp. p. 6338; Dr. p. 1365; Gaz. vol. 134; p. 2202.
- Binding-post. G. Babcock and J. Reuter. No. 895,714; Aug. 11; Sp. p. 1873; Dr. p. 397; Gaz. vol. 135; p. 1228.
- Binding-post. M. Guett. No. 895,747; Aug. 11; Sp. p. 1945; Dr. p. 411; Gaz. vol. 135; p. 1238.
- Binding-post. C. Cuno. No. 903,130; Nov. 3; Sp. p. 1189; Gaz. vol. 137; p. 194.
- Biological specimens, Means for mounting and preserving. E. Bade and A. Kowatch. No. 891,971; June 30; Sp. p. 5688; Dr. p. 1225; Gaz. vol. 134; p. 2089.
- Bird-trap. L. Sims. No. 879,333; Feb. 18; Sp. p. 2943; Dr. p. 614; Gaz. vol. 132; p. 1393.
- Biscuit. J. P. E. Heintz. No. 906,709; Dec. 15; Sp. p. 3074; Gaz. vol. 137; p. 1554.
- Biscuit, Machine for manufacturing cereal. H. D. Perky. No. 878,154; Feb. 4; Sp. p. 512; Dr. p. 109; Gaz. vol. 132; p. 934.
- Biscuit-molding means. H. W. Mackenzie. No. 884,746; Apr. 14; Sp. p. 2219; Dr. pp. 468-9; Gaz. vol. 133; p. 1573.
- Biscuit, Shredded-wheat. W. E. Williams. No. 897,182; Aug. 25; Sp. p. 4844; Dr. p. 1030; Gaz. vol. 135; p. 1749.
- Bit; *See* Auger-bit; Bridle-bit; Check-bit; Drenching-bit; Drill-bit; Driving-bit; Expandable bit; Expansion-bit; Horse-bit; Sectional bit; Yielding bit.
- Bit. G. Harris. No. 878,798; Feb. 11; Sp. p. 1919; Dr. p. 395; Gaz. vol. 132; p. 1181.
- Bit. F. Swales. No. 898,394; Sept. 8; Sp. p. 2317; Dr. p. 493; Gaz. vol. 136; p. 403.
- Bit-brace. J. P. Bartholomew. No. 904,501; Nov. 24; Sp. p. 4052; Gaz. vol. 137; p. 739.
- Bit-brace attachment. J. A. Schmidt. No. 890,801; June 16; Sp. p. 3280; Dr. p. 718; Gaz. vol. 134; p. 1641.
- Bit-brace handle. S. H. Stearns. No. 887,708; May 12; Sp. p. 2772; Dr. p. 586; Gaz. vol. 134; p. 480.
- Bit-brace wrench. B. R. Spaulding. No. 897,857; Sept. 1; Sp. p. 1261; Dr. p. 270; Gaz. vol. 136; p. 198.
- Bit-extender. W. H. Ehrhart and G. W. Leonard. No. 890,894; June 16; Sp. p. 3450; Dr. p. 756; Gaz. vol. 134; p. 1670..
- Bit extension. F. E. Carlson. No. 899,203; Sept. 22; Sp. p. 3874; Dr. p. 828; Gaz. vol. 136; p. 726.
- Bit-stock. I. Larson. No. 878,404; Feb. 4; Sp. p. 1033; Dr. pp. 208-9; Gaz. vol. 132; p. 1017.
- Bit-stock, Folding. E. Réquillart. No. 884,856; Apr. 14; Sp. p. 2449; Dr. p. 515; Gaz. vol. 133; p. 1609.
- Blackboard, Adjustable. A. G. Grant. No. 885,241; Apr. 21; Sp. p. 3247; Dr. p. 677; Gaz. vol. 133; p. 1765.
- Blackboard and writing-desk, Folding. M. T. Bedford. No. 891,899; June 30; Sp. p. 5529; Dr. p. 1193; Gaz. vol. 134; p. 2065.
- Blackboard composition. G. F. Dalton, Jr. No. 877,554; Jan. 28; Sp. p. 3849; Gaz. vol. 132; p. 712.
- Blackboard for partitions. H. J. Hanson. No. 892,954; July 7; Sp. p. 1134; Dr. p. 238; Gaz. vol. 135; p. 189.
- Blackboards, Tray attachment for. J. W. Hainline. No. 883,402; Mar. 31; Sp. p. 5832; Dr. p. 1243; Gaz. vol. 133; p. 1078.
- Blacking box, Shoe-. G. L. Blackman. No. 877,164; Jan. 21; Sp. p. 3051; Dr. p. 661; Gaz. vol. 132; p. 563.
- Blacking for heated iron. G. H. Johnson. No. 887,813; May 19; Sp. p. 3009; Gaz. vol. 134; p. 546.
- Blacking-machine. E. E. Taliaferro. No. 900,448; Oct. 6; Sp. p. 803; Dr. pp. 164-7; Gaz. vol. 136; p. 1198.
- Blacking machine, Heel-. O. J. Lear. No. 892,530; July 7; Sp. p. 272; Dr. p. 59; Gaz. vol. 135; p. 51.
- Blacking machine, Leather-. L. Wimmer. No. 883,438; Mar. 31; Sp. p. 5914; Dr. p. 1262; Gaz. vol. 133; p. 1091.
- Blacking machine, Shoe-. W. C. Ford. No. 902,390; Oct. 27; Sp. p. 4848; Dr. p. 981; Gaz. vol. 136; p. 1922.
- Blackleading-machine. F. J. Learman. No. 896,400; Aug. 18; Sp. p. 3220; Dr. p. 691; Gaz. vol. 135; p. 1470.
- Blade-fastening. R. A. McKee. No. 899,607; Sept. 29; Sp. p. 4676; Dr. p. 1003; Gaz. vol. 136; p. 893.
- Blade-fastening. M. Rotter. No. 899,622; Sept. 29; Sp. p. 4718; Dr. p. 1010; Gaz. vol. 136; p. 898.
- Blanching apparatus. E. J. Vaudreuil. No. 886,097; Apr. 28; Sp. p. 5004; Dr. p. 1053; Gaz. vol. 133; p. 2071.
- Blank-feeding machine. J. E. Abrams. No. 907,944; Dec. 29; Sp. p. 5588; Gaz. vol. 137; p. 2022.
- Blanket-fastening for animals. S. H. Rorabeck. No. 881,961; Mar. 17; Sp. p. 2958; Dr. p. 630; Gaz. vol. 133; p. 545.
- Blanket-holding attachment. M. Rockstroh. No. 899,326; Sept. 22; Sp. p. 4123; Dr. p. 881; Gaz. vol. 136; p. 765.
- Blankets, Attachment for stable-. C. A. Noble. No. 892,875; July 7; Sp. p. 961; Dr. p. 202; Gaz. vol. 135; p. 162.
- Blast-furnace. J. H. Meissner. No. 900,291; Oct. 6; Sp. p. 473; Dr. pp. 97-8; Gaz. vol. 136; p. 1146.
- Blast-furnace. J. E. Johnson, Jr. No. 906,717; Dec. 15; Sp. p. 3090; Gaz. vol. 137; p. 1556.
- Blast-heating apparatus. J. W. Nesmith. No. 897,302; Feb. 18; Sp. p. 2295; Dr. p. 604; Gaz. vol. 132; p. 1383.
- Blast or exhaust apparatus. G. Elbel. No. 886,590; May 5; Sp. p. 497; Dr. p. 106; Gaz. vol. 134; p. 88.
- Blasting-powder. H. D. Farris and A. C. Jex. No. 891,334; June 23; Sp. p. 4365; Gaz. vol. 134; p. 1846.
- Blasting-tool. L. K. Kramer. No. 888,240; May 19; Sp. p. 3818; Dr. p. 801; Gaz. vol. 134; p. 683.
- Bleaching apparatus, Cotton-. J. B. Brennan. No. 880,005; Feb. 25; Sp. p. 4371; Dr. p. 916; Gaz. vol. 132; p. 1646.
- Bleaching fats, oils, resins, waxes and the like. K. Lüdecke. No. 901,718; Oct. 20; Sp. p. 3489; Gaz. vol. 136; p. 1676.
- Blending-machine. G. J. Hicks. No. 889,606; June 2; Sp. p. 820; Dr. p. 187; Gaz. vol. 134; p. 1191.
- Blind-fastening. J. S. Couret. No. 876,300; Jan. 7; Sp. p. 1217; Dr. p. 265; Gaz. vol. 132; p. 203.
- Blind guide and stop, Window-. W. W. Bruce. No. 900,660; Oct. 6; Sp. p. 1265; Dr. p. 258; Gaz. vol. 136; p. 1267.
- Blind-lock, Burglar-proof. J. E. Warlick. No. 877,272; Jan. 21; Sp. p. 3280; Dr. p. 709; Gaz. vol. 132; p. 600.
- Blind-operating device, Window-. D. F. Lonergan. No. 887,670; May 12; Sp. p. 2711; Dr. p. 573; Gaz. vol. 134; p. 467.
- Blind-tenon. C. Miller. No. 878,979; Feb. 11; Sp. p. 2245; Dr. p. 469; Gaz. vol. 132; p. 1237.
- Blind, Window-. G. P. Mitchell. No. 881,433; Mar. 10; Sp. p. 1876; Dr. p. 408; Gaz. vol. 133; p. 343.
- Blind, Window-. D. I. Andrews. No. 895,139; Aug. 4; Sp. p. 722; Dr. p. 151; Gaz. vol. 135; p. 1015.
- Blinds to spring-rollers, Means for securing. J. L. Thompson. No. 894,408; July 28; Sp. p. 4258; Dr. p. 878; Gaz. vol. 135; p. 747.
- Block; *See* Air-cushion block; Branch block; Building-block; Butcher's block; Cement block; Cement building-block; Concrete block; Concrete building-block; Concrete chimney-block; Concrete sidewalk-block; Copying-block; Cut-out block; Die-block; Electrottype block; Facing-block; Foot-block; Fuse-block; Hat-block; Head-block; Hitching-block; Last-block; Logging-block; Paving-block; Printer's filler-block; Pulley-block; Rail-splicing block; Sheave-block; Snatch-block; Stamp-mill guide-block; Tackle-block; Toy and educational block; Toy building-block; Wheel-block
- Block for building purposes, Insulating. J. E. Howe. No. 906,025; Dec. 8; Sp. p. 1793; Gaz. vol. 137; p. 1308.
- Block-molding machine. R. B. and W. W. Bennett. No. 895,414; Aug. 11; Sp. p. 1279; Dr. p. 269; Gaz. vol. 135; p. 1130.
- Block-molding machine. O. Benson. No. 895,614; Aug. 11; Sp. p. 1678; Dr. p. 354; Gaz. vol. 135; p. 1195.
- Block-molding machine. J. Jaeger. No. 899,168; Sept. 22; Sp. p. 3809; Dr. pp. 815-16; Gaz. vol. 136; p. 715.
- Block-molding machine. E. N. Edwards. No. 899,517; Sept. 29; Sp. p. 4480; Dr. p. 962; Gaz. vol. 136; p. 862.
- Block-molding machine, Building-. J. Soss. No. 903,908; Nov. 17; Sp. p. 2789; Gaz. vol. 137; p. 512.
- Block-signal. D. D. Miles, Jr. No. 881,938; Mar. 17; Sp. p. 2907; Dr. p. 621; Gaz. vol. 133; p. 537.
- Block-signal apparatus. A. Bevan. No. 876,684; Jan. 14; Sp. p. 2057; Dr. p. 448; Gaz. vol. 132; p. 365.
- Block-signal apparatus. A. Bevan. No. 899,153; Sept. 22; Sp. p. 3773; Dr. pp. 808-9; Gaz. vol. 136; p. 710.
- Block-signal, Electric. E. P. Matter. No. 881,138; Mar. 10; Sp. p. 1294; Dr. p. 279; Gaz. vol. 133; p. 249.
- Block-signal, Electric car-recording. W. J. Murray. No. 895,575; Aug. 11; Sp. p. 1598; Dr. p. 338; Gaz. vol. 135; p. 1182.
- Block-signal system. W. Daves. No. 882,143; Mar. 17; Sp. p. 3309; Dr. p. 706; Gaz. vol. 133; p. 603.
- Block-signal system. F. E. Kinsman. No. 882,523; Mar. 17; Sp. p. 4039; Dr. p. 861; Gaz. vol. 133; p. 728.
- Block-signal system. F. B. Corey. No. 882,553; Mar. 24; Sp. p. 4096; Dr. p. 869; Gaz. vol. 133; p. 770.
- Block-signal system. F. B. Corey. No. 897,524; Sept. 1; Sp. p. 586; Dr. p. 122; Gaz. vol. 136; p. 92.
- Block-signal system. L. A. Hawkins. No. 897,531; Sept. 1; Sp. p. 599; Dr. p. 125; Gaz. vol. 136; p. 94.
- Block-signal system, Electric. P. J. Simmen. No. 903,796; Nov. 10; Sp. p. 2529; Gaz. vol. 137; p. 442.
- Block-signal-system recording device. T. Haley. No. 897,618; Sept. 1; Sp. p. 775; Dr. pp. 163-4; Gaz. vol. 136; p. 123.
- Block-signal systems, Signal mechanism for. H. L. Johnson. No. 880,218; Feb. 25; Sp. p. 4810; Dr. pp. 1018-19; Gaz. vol. 132; p. 1715.
- Block-signaling apparatus. S. A. Wood. No. 907,668; Dec. 22; Sp. p. 5039; Gaz. vol. 137; p. 1903.
- Block-signaling device. W. and A. H. Fechner. No. 900,360; Oct. 6; Sp. p. 597; Dr. pp. 123-4; Gaz. vol. 136; p. 1167.
- Block-signaling system. J. S. Holiday. No. 900,370; Oct. 6; Sp. p. 632; Dr. p. 130; Gaz. vol. 136; p. 1171.
- Block-signaling system, Alternating-current. J. B. Struble. No. 899,353; Sept. 22; Sp. p. 4166; Dr. p. 892; Gaz. vol. 136; p. 773.
- Block-signaling system, Electric. J. W. Davis. No. 897,355; Sept. 1; Sp. p. 215; Dr. pp. 45-7; Gaz. vol. 136; p. 33.
- Blocks, Form for setting up and holding sectional. W. T. Huenig. No. 886,373; May 5; Sp. p. 60; Dr. p. 13; Gaz. vol. 134; p. 15.
- Blocker, Double. A. J. Morse. No. 887,418; May 12; Sp. p. 2227; Dr. pp. 465-6; Gaz. vol. 134; p. 385.
- Blood compound of glycerophosphate of lime and calcium. A. Langer. No. 884,026; Apr. 7; Sp. p. 725; Gaz. vol. 133; p. 1308.
- Bloom-handling means. F. B. Uncapher. No. 894,245; July 28; Sp. p. 3904; Dr. pp. 807-8; Gaz. vol. 135; p. 692.
- Blotter, calendar, ruler, measure, and paper-cutter, Combined. H. T. Crane. No. 891,819; June 30; Sp. p. 5382; Dr. p. 1164; Gaz. vol. 134; p. 2039.
- Blotter-holder and ruler, Combined. W. J. Mogridge. No. 896,312; Aug. 18; Sp. p. 3045; Dr. p. 655; Gaz. vol. 135; p. 1442.
- Blotter, pen-wiper or pen-cleaner, and pen-rack, Combination. M. H. Shapiro. No. 881,966; Mar. 17; Sp. p. 2966; Dr. p. 632; Gaz. vol. 133; p. 547.
- Blotting-pad. J. A. Staples. No. 893,818; July 21; Sp. p. 3009; Dr. p. 615; Gaz. vol. 135; p. 532.
- Blotting-pad. W. F. Mahony. No. 902,981; Nov. 3; Sp. p. 897; Gaz. vol. 137; p. 150.

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- Blower. G. W., and W. H. Leiman. No. 883,464; Mar. 31; Sp. p. 5964; Dr. p. 1272; Gaz. vol. 133; p. 1099.
 Blower. W. McClave. No. 889,713; June 2; Sp. p. 1031; Dr. p. 239; Gaz. vol. 134; p. 1224.
 Blower. I. H. Spencer. No. 893,756; July 21; Sp. p. 2879; Dr. p. 592; Gaz. vol. 135; p. 511.
 Blower. H. E. Parson. No. 904,804; Nov. 24; Sp. p. 4683; Gaz. vol. 137; p. 841.
 Blower, Blacksmith's. E. Remington. No. 887,424; May 12; Sp. p. 2241; Dr. p. 469; Gaz. vol. 134; p. 387.
 Blower-casing. W. W. Wainwright. No. 902,702; Nov. 3; Sp. p. 339; Gaz. vol. 137; p. 57.
 Blower, Centrifugal. J. T. Austin. No. 890,117; June 9; Sp. p. 1843; Dr. pp. 406-7; Gaz. vol. 134; p. 1384.
 Blower, Chaff-. D. R. Gardiner. No. 877,320; Jan. 21; Sp. p. 3374; Dr. pp. 730-1; Gaz. vol. 132; p. 614.
 Blower, Duplex rotary. E. P. Reichhelm. No. 891,372; June 23; Sp. p. 4439; Dr. pp. 965-6; Gaz. vol. 134; p. 1858.
 Blower or compressor. Rotary. O. P. Ostergren and C. O. L. Cardell. No. 902,441; Oct. 27; Sp. p. 4971; Dr. p. 1005; Gaz. vol. 136; p. 1940.
 Blower or gas-pump, Rotary. J. T. Wilkin. No. 906,967; Dec. 8; Sp. p. 1678; Gaz. vol. 137; p. 1289.
 Blower, Positive-pressure. J. W. Wilson. No. 888,565; May 26; Sp. p. 4488; Dr. pp. 950-1; Gaz. vol. 134; p. 822.
 Blower, Powder-. F. B. La May. No. 876,362; Jan. 14; Sp. p. 1342; Dr. p. 291; Gaz. vol. 132; p. 254.
 Blower Pressure-. C. Neumann. No. 882,478; Mar. 17; Sp. p. 3934; Dr. p. 841; Gaz. vol. 133; p. 712.
 Blower, Pressure and suction. W. J. Magee. No. 877,102; Jan. 21; Sp. p. 2914; Dr. p. 630; Gaz. vol. 132; p. 541.
 Blowing-engine. P. H. Kane. No. 883,316; Mar. 31; Sp. p. 5637; Dr. p. 1202; Gaz. vol. 133; p. 1050.
 Blowing-engine. G. B. Petsche. No. 899,558; Sept. 29; Sp. p. 4576; Dr. p. 984; Gaz. vol. 136; p. 876.
 Blowing-engine and the like. C. N. Scott. No. 905,108; Nov. 24; Sp. p. 5293; Gaz. vol. 137; p. 942.
 Blowing-engine or compressor. G. B. Petsche. No. 891,858; June 30; Sp. p. 5456; Dr. pp. 1179-80; Gaz. vol. 134; p. 2051.
 Blowing-engine or compressor. G. B. Petsche. No. 894,048; July 21; Sp. p. 3501; Dr. pp. 716-17; Gaz. vol. 135; p. 608.
 Blowing-engine or compressor. G. B. Petsche. No. 894,852; Aug. 4; Sp. p. 98; Dr. pp. 20-1; Gaz. vol. 135; p. 917.
 Blowing-engine or compressor, Gas-actuated. G. B. Petsche. No. 894,047; July 21; Sp. p. 3495; Dr. pp. 715-16; Gaz. vol. 135; p. 608.
 Blowing engine or pump. G. B. Petsche. No. 891,290; June 23; Sp. p. 4255; Dr. p. 931; Gaz. vol. 134; p. 1831.
 Blowpipe. G. Claude. No. 882,997; Mar. 24; Sp. p. 4987; Dr. p. 1060; Gaz. vol. 133; p. 915.
 Blowpipe. A. G. Le Chatelier. No. 899,453; Sept. 22; Sp. p. 4341; Dr. p. 932; Gaz. vol. 136; p. 804.
 Blowpipe, Interchangeable. R. Fitzsimmons. No. 898,860; Sept. 15; Sp. p. 3221; Dr. p. 690; Gaz. vol. 136; p. 586.
 Blowpipe, Metal-cutting. C. Delcampe. No. 887,467; May 12; Sp. p. 2321; Dr. p. 487; Gaz. vol. 134; p. 401.
 Blue-print washing and drying machine. C. F. Pease. No. 891,289; June 23; Sp. p. 4253; Dr. p. 931; Gaz. vol. 134; p. 1831.
 Board. See Automobile running-board; Bill-board; Blackboard; Bowling score-board; Bread-raising board; Cloth-winding board; Dividing-board; Drawing-board; Fiber-board; Game-board; Ironing-board; Label-pasting board; Lap-board; Paper-board; Piano fall-board; Piano sounding-board; Pin-board; Plaster-board; Plaster or composition board; Press-board; Score-board; Sign-board; Sleeve-board; Switchboard; Tracker-board; Washboard.
 Board. J. T. Ferrer. No. 880,784; Mar. 3; Sp. p. 598; Dr. p. 127; Gaz. vol. 133; p. 103.
 Board-clamp for benches. I. W. Sipes. No. 880,586; Mar. 3; Sp. p. 194; Dr. p. 42; Gaz. vol. 133; p. 35.
 Board-edging machine. L. G. Robinson and L. J. Hanhart. No. 877,124; Jan. 21; Sp. p. 2967; Dr. pp. 641-2; Gaz. vol. 132; p. 550.
 Board-smoothing machine. C. A. Eidam. No. 892,231; June 30; Sp. p. 6173; Dr. p. 1339; Gaz. vol. 134; p. 2173.
 Boards, Manufacture of cellular. S. M. Langston. No. 878,403; Feb. 4; Sp. p. 1029; Dr. p. 208; Gaz. vol. 132; p. 1017.
 Boat. F. Audet. No. 881,650; Mar. 10; Sp. p. 2316; Dr. pp. 500-1; Gaz. vol. 133; p. 416.
 Boat. J. W. Gay. No. 882,194; Mar. 17; Sp. p. 3424; Dr. pp. 727-8; Gaz. vol. 133; p. 619.
 Boat. A. H. Friedel. No. 883,455; Mar. 31; Sp. p. 5948; Dr. pp. 1268-9; Gaz. vol. 133; p. 1096.
 Boat. C. E. Granrose. No. 890,045; June 9; Sp. p. 1714; Dr. p. 379; Gaz. vol. 134; p. 1360.
 Boat. W. B. Motheral. No. 900,296; Oct. 6; Sp. p. 479; Dr. pp. 99-100; Gaz. vol. 136; p. 1148.
 Boat. W. B. Motheral. No. 900,680; Oct. 6; Sp. p. 1313; Dr. p. 269; Gaz. vol. 136; p. 1274.
 Boat. A. B. Otis. No. 904,357; Nov. 17; Sp. p. 3740; Gaz. vol. 137; p. 665.
 Boat. J. H. May. No. 907,073; Dec. 15; Sp. p. 3758; Gaz. vol. 137; p. 1669.
 Boat. A. G. Wilkins. No. 907,303; Dec. 22; Sp. p. 4257; Gaz. vol. 137; p. 1784.
 Boat attaching and detaching device. J. R. Raymond. No. 894,345; July 28; Sp. p. 4121; Dr. p. 851; Gaz. vol. 135; p. 726.
 Boat, Catamaran power-. J. S. Lane and J. L. Mathews. No. 890,901; Dec. 15; Sp. p. 3451; Gaz. vol. 137; p. 1615.
 Boat-detacher. E. H. Lindman. No. 880,895; Mar. 3; Sp. p. 839; Dr. p. 179; Gaz. vol. 133; p. 141.
 Boat-detaching device, Life-. J. Prevot. No. 898,004; Sept. 8; Sp. p. 1577; Dr. p. 336; Gaz. vol. 136; p. 280.
 Boat-drafting device. F. R. Torsion. No. 906,581; Dec. 15; Sp. p. 2839; Gaz. vol. 137; p. 1514.
 Boat-handling device. L. Tanning and W. J. Ryan. No. 903,025; Nov. 3; Sp. p. 1000; Gaz. vol. 137; p. 164.
 Boat, Ice-. F. C. Mahony and A. M. Hlopye, Jr. No. 905,202; Dec. 1; Sp. p. 164; Gaz. vol. 137; p. 1009.
 Boat-landing, Adjustable. H. W. Sauber. No. 907,645; Dec. 22; Sp. p. 4969; Gaz. vol. 137; p. 1895.
 Boat-lashing device. F. T. Clayton. No. 898,094; Sept. 8; Sp. p. 1756; Dr. p. 374; Gaz. vol. 136; p. 308.
 Boat launching and stowing apparatus. F. E. Martin. No. 906,146; Dec. 8; Sp. p. 2026; Gaz. vol. 137; p. 1346.
 Boat-launching apparatus. J. Forcier. No. 880,018; Feb. 25; Sp. p. 4401; Dr. p. 924; Gaz. vol. 132; p. 1650.
 Boat, Life-. R. D. Mayo. No. 899,672; Sept. 29; Sp. p. 4811; Dr. p. 1030; Gaz. vol. 136; p. 912.
 Boat, Life-. J. I. Stoelt. No. 904,372; Nov. 17; Sp. p. 3762; Gaz. vol. 137; p. 670.
 Boat, Mechanically-operated. K. J. Seck. No. 904,154; Nov. 17; Sp. p. 3286; Gaz. vol. 137; p. 596.
 Boat, Pleasure-. D. G. Exley. No. 888,983; May 26; Sp. p. 5369; Dr. p. 1139; Gaz. vol. 134; p. 958.
 Boat, Portable folding. P. J. Murphy. No. 907,629; Dec. 22; Sp. p. 4928; Gaz. vol. 137; p. 1890.
 Boat-propelling means. W. H. Engle. No. 906,697; Dec. 15; Sp. p. 3051; Gaz. vol. 137; p. 1549.
 Boat-propelling mechanism. A. G. Wilkins. No. 906,978; Dec. 15; Sp. p. 3582; Gaz. vol. 137; p. 1638.
 Boat propulsion. I. B. Rolka. No. 904,454; Nov. 17; Sp. p. 3926; Gaz. vol. 137; p. 696.
 Boat-releasing appliance. C. L. Bevins. No. 899,942; Sept. 29; Sp. p. 5388; Dr. p. 1150; Gaz. vol. 136; p. 1000.
 Boat-releasing device. K. J. Daly. No. 891,598; June 23; Sp. p. 4891; Dr. p. 1054; Gaz. vol. 134; p. 1931.
 Boat-releasing device. W. G. Randle. No. 899,072; Sept. 22; Sp. p. 3614; Dr. pp. 773-4; Gaz. vol. 136; p. 682.
 Boat, River-. P. Sigaudy. No. 905,377; Dec. 1; Sp. p. 498; Gaz. vol. 137; p. 1065.
 Boat, Speed-. G. A. Farrell. No. 879,860; Feb. 25; Sp. p. 4078; Dr. p. 855; Gaz. vol. 132; p. 1598.
 Boat, Submarine. F. Mott. No. 883,040; Mar. 24; Sp. p. 5063; Dr. p. 1079; Gaz. vol. 133; p. 929.
 Boat, Submarine. J. M. Cage. No. 896,361; Aug. 18; Sp. p. 3148; Dr. pp. 676-7; Gaz. vol. 135; p. 1457.
 Boat, Submarine. G. Behrmann. No. 896,613; Aug. 18; Sp. p. 3639; Dr. p. 782; Gaz. vol. 135; p. 1540.
 Boat, Torpedo-. S. Lake. No. 876,564; Jan. 14; Sp. p. 1790; Dr. pp. 390-1; Gaz. vol. 132; p. 323.
 Boat, Torpedo-. E. A. Nilsen. No. 883,664; Mar. 31; Sp. p. 6357; Dr. p. 1354; Gaz. vol. 133; p. 1160.
 Boat, Torpedo-. E. J. Kelley. No. 896,921; Aug. 25; Sp. p. 4326; Dr. p. 927; Gaz. vol. 135; p. 1665.
 Boat, Twin-screw submarine. L. Y. Spear. No. 878,752; Feb. 11; Sp. p. 1817; Dr. p. 376; Gaz. vol. 132; p. 1166.
 Boat ventilator, Motor-. A. A. Low. No. 877,655; Jan. 28; Sp. p. 4037; Dr. p. 872; Gaz. vol. 132; p. 745.
 Boats and the like, Steering apparatus for. S. E. Leonard. No. 907,252; Dec. 22; Sp. p. 4162; Gaz. vol. 137; p. 1766.
 Boats, Davit-supporting means for sharp-stern. J. E. Robbins. No. 902,452; Oct. 27; Sp. p. 4997; Dr. p. 1010; Gaz. vol. 136; p. 1943.
 Boats, Feathering paddle attachment for small. W. Rickards. No. 878,469; Feb. 4; Sp. p. 1152; Dr. p. 235; Gaz. vol. 132; p. 1038.
 Boats, Hand-operated mechanism for row-. S. G. Hallman. No. 892,418; July 7; Sp. p. 51; Dr. p. 12; Gaz. vol. 135; p. 12.
 Boats, Means for hauling up. J. R. Devold. No. 893,610; July 21; Sp. p. 2508; Dr. p. 522; Gaz. vol. 135; p. 462.
 Bobbin. B. Gause. No. 887,621; May 12; Sp. p. 2609; Dr. p. 550; Gaz. vol. 134; p. 451.
 Bobbin and spindle connector. H. E. Hughes. No. 886,297; Apr. 28; Sp. p. 5381; Dr. p. 1130; Gaz. vol. 133; p. 2138.
 Bobbin and whirl. J. W. Collins. No. 891,814; June 30; Sp. p. 5365; Dr. p. 1161; Gaz. vol. 134; p. 2037.
 Bobbin-driving means for rotatable spindles. A. D. Morse. No. 885,855; Apr. 28; Sp. p. 4501; Dr. p. 945; Gaz. vol. 133; p. 1992.
 Bobbin-driving means for rotatable spindles. F. H. Thompson. No. 893,760; July 21; Sp. p. 2890; Dr. p. 593; Gaz. vol. 135; p. 513.
 Bobbin-driving means for rotatable spindles. P. E. McCullough. No. 899,179; Sept. 22; Sp. p. 3833; Dr. p. 820; Gaz. vol. 136; p. 718.
 Bobbin-frame. H. McDowell. No. 891,185; June 16; Sp. p. 4023; Dr. p. 881; Gaz. vol. 134; p. 1764.
 Bobbin-holder. G. and N. Boissonneault. No. 884,356; Apr. 14; Sp. p. 1394; Dr. p. 298; Gaz. vol. 133; p. 1442.
 Bobbin-holder. A. E. Rhoades. No. 884,759; Apr. 14; Sp. p. 2249; Dr. p. 473; Gaz. vol. 133; p. 1577.
 Bobbin-spindle. H. Wyman. No. 886,459; May 5; Sp. p. 232; Dr. p. 49; Gaz. vol. 134; p. 44.
 Bobbin-stripper. T. L. Camp. No. 906,688; Dec. 15; Sp. p. 3036; Gaz. vol. 137; p. 1547.
 Bobbinet, Filling up holes in damaged. C. A. Christinger. No. 887,770; May 19; Sp. p. 2917; Dr. p. 615; Gaz. vol. 134; p. 530.
 Body-guard. C. W. Fraser. No. 879,534; Feb. 18; Sp. p. 3367; Dr. p. 704; Gaz. vol. 132; p. 1459.
 Body loop or hanger. C. Druck. No. 887,606; May 12; Sp. p. 2584; Dr. p. 545; Gaz. vol. 134; p. 446.
 Boiler. See Culinary boiler; Egg-boiler; Fire-tube boiler; Heating-boiler; Internally-fired boiler; Iron boiler; Locomotive-boiler; Marine boiler; Multitubular boiler; Range-boiler; Return-flue boiler; Sectional boiler; Self-cleaning boiler; Slag-heated boiler; Steam-boiler; Steam or hot-water boiler; Superheater-boiler; Tubular boiler; Washboiler; Water-tube boiler;
 Boiler. E. E. Larrabee. No. 879,056; Feb. 11; Sp. p. 2379; Dr. p. 498; Gaz. vol. 132; p. 1261.
 Boiler. F. A. Ballin. No. 883,852; Apr. 7; Sp. p. 365; Dr. p. 71; Gaz. vol. 133; p. 1250.
 Boiler. H. A. Bolze. No. 898,548; Sept. 15; Sp. p. 2645; Dr. p. 565; Gaz. vol. 136; p. 486.

Alphabetical list of inventions—Continued.

- Boiler. W. S. Hawley. No. 899,299; Sept. 22; Sp. p. 4074; Dr. pp. 870-1; Gaz. vol. 136; p. 756.
 Boiler. C. R. Meres. No. 899,314; Sept. 22; Sp. p. 4104; Dr. p. 877; Gaz. vol. 136; p. 761.
 Boiler. H. O. Kelerstein. No. 902,740; Nov. 3; Sp. p. 411; Gaz. vol. 137; p. 71.
 Boiler. J. J. Rohan. No. 903,781; Nov. 10; Sp. p. 2490; Gaz. vol. 137; p. 436.
 Boiler-alarm. J. M. Williams. No. 885,413; Apr. 21; Sp. p. 3600; Dr. p. 755; Gaz. vol. 133; p. 1822.
 Boiler-alarm. W. Loudon. No. 905,443; Dec. 1; Sp. p. 672; Gaz. vol. 137; p. 1091.
 Boiler and furnace, Combined. W. J. Ellis. No. 882,456; Mar. 17; Sp. p. 3898; Dr. p. 833; Gaz. vol. 133; p. 705.
 Boiler and other furnace. C. Moche and K. A. Pettersson. No. 891,781; June 23; Sp. p. 5273; Dr. p. 1141; Gaz. vol. 134; p. 1995.
 Boiler and steam apparatus, Household. N. W. Tharp. No. 904,376; Nov. 17; Sp. p. 3770; Gaz. vol. 137; p. 672.
 Boiler attachment. C. J. Sheahan. No. 899,192; Sept. 22; Sp. p. 3857; Dr. p. 825; Gaz. vol. 136; p. 722.
 Boiler baffle-plate, Water-tube. J. B. Archer. No. 906,988; Dec. 15; Sp. p. 3605; Gaz. vol. 137; p. 1641.
 Boiler blow-off device, Domestic. J. Manneschildt, Jr. No. 899,830; Sept. 29; Sp. p. 5143; Dr. p. 1100; Gaz. vol. 136; p. 965.
 Boiler-cleaner. O. S. and L. A. Platt. No. 892,617; July 7; Sp. p. 419; Dr. p. 93; Gaz. vol. 135; p. 78.
 Boiler-cleaner. C. H. Prescott. No. 899,261; Sept. 22; Sp. p. 4016; Dr. p. 857; Gaz. vol. 136; p. 745.
 Boiler-cleaner. F. X. Bayer. No. 900,078; Oct. 6; Sp. p. 10; Dr. p. 2; Gaz. vol. 136; p. 1076.
 Boiler-cleaner. W. D. Nicholson and W. H. Smith. No. 906,652; Dec. 15; Sp. p. 2967; Gaz. vol. 137; p. 1535.
 Boiler cleaner, Steam. I. C. Gray. No. 884,728; Apr. 13; Sp. p. 2177; Dr. p. 462; Gaz. vol. 133; p. 1567.
 Boiler compound. J. L. Cooper. No. 880,126; Feb. 25; Sp. p. 4612; Gaz. vol. 132; p. 1684.
 Boiler compound. M. Becker. No. 907,954; Dec. 29; Sp. p. 5623; Gaz. vol. 137; p. 2026.
 Boiler construction, Steam. A. W. Metcalfe and J. S. D. Shanks. No. 907,841; Dec. 29; Sp. p. 5375; Gaz. vol. 137; p. 1991.
 Boiler draft-regulator, Steam. W. A. Kitts. No. 903,729; Nov. 10; Sp. p. 2380; Gaz. vol. 137; p. 419.
 Boiler-feed-pipe cleaner. J. H. Watters. No. 892,476; July 7; Sp. p. 166; Dr. p. 35; Gaz. vol. 135; p. 32.
 Boiler-flue blower. A. S. Dillon. No. 887,299; June 2; Sp. p. 209; Dr. p. 52; Gaz. vol. 134; p. 1091.
 Boiler-flue cleaner. S. G. Bladh. No. 877,395; Jan. 21; Sp. p. 3502; Dr. p. 759; Gaz. vol. 132; p. 638.
 Boiler-flue cleaner. R. W. Hamann. No. 884,818; Apr. 14; Sp. p. 2366; Dr. p. 497; Gaz. vol. 133; p. 1598.
 Boiler-flue cleaner. A. Grönvald. No. 889,302; June 2; Sp. p. 212; Dr. p. 53; Gaz. vol. 134; p. 1092.
 Boiler-flue, Detachable. A. J. Bowden. No. 885,662; Apr. 21; Sp. p. 4091; Dr. p. 856; Gaz. vol. 133; p. 1897.
 Boiler-flue fastener. W. E. Parkinson. No. 891,783; June 23; Sp. p. 5275; Dr. p. 1142; Gaz. vol. 134; p. 1996.
 Boiler-flue work, Apparatus for. J. W. Faessler. No. 906,865; Dec. 15; Sp. p. 3388; Gaz. vol. 137; p. 1604.
 Boiler-flues, Apparatus or tool for reducing the ends of. W. A. Skinner. No. 889,728; June 2; Sp. p. 1058; Dr. p. 244; Gaz. vol. 134; p. 1229.
 Boiler flues or tubes, Fastening means for steam-. L. M. Seaward. No. 879,330; Feb. 18; Sp. p. 2940; Dr. p. 613; Gaz. vol. 132; p. 1392.
 Boiler-furnace. W. N. Best. No. 879,806; Feb. 18; Sp. p. 3922; Dr. p. 822; Gaz. vol. 132; p. 1547.
 Boiler-furnace. S. S. Spivey. No. 880,175; Feb. 25; Sp. p. 4716; Dr. p. 996; Gaz. vol. 132; p. 1701.
 Boiler-furnace. P. Swanger. No. 887,440; May 12; Sp. p. 2266; Dr. p. 475; Gaz. vol. 134; p. 392.
 Boiler-furnace. I. H. Boyer. No. 888,062; May 19; Sp. p. 3487; Dr. pp. 730-1; Gaz. vol. 134; p. 626.
 Boiler-furnace. W. Cassens. No. 890,231; June 16; Sp. p. 4145; Dr. pp. 907-8; Gaz. vol. 134; p. 1812.
 Boiler-furnace. D. Taggart. No. 891,641; June 23; Sp. p. 4996; Dr. p. 1077; Gaz. vol. 134; p. 1947.
 Boiler-furnace. J. S. Roake. No. 894,856; Aug. 4; Sp. p. 106; Dr. p. 23; Gaz. vol. 135; p. 918.
 Boiler-furnace. B. S. De Ball. No. 896,440; Aug. 18; Sp. p. 3306; Dr. pp. 710-11; Gaz. vol. 135; p. 1483.
 Boiler-furnace. O. U. Bean. No. 897,446; Sept. 1; Sp. p. 424; Dr. pp. 90-1; Gaz. vol. 136; p. 66.
 Boiler-furnace. J. R. Surrell. No. 902,265; Oct. 27; Sp. p. 4586; Dr. pp. 930-1; Gaz. vol. 136; p. 1881.
 Boiler-furnace. O. B. Dawson. No. 904,051; Nov. 17; Sp. p. 3076; Gaz. vol. 137; p. 559.
 Boiler-furnace. J. O'Neill. No. 906,269; Dec. 8; Sp. p. 2264; Gaz. vol. 137; p. 1389.
 Boiler furnace, Steam-. J. V. Kenny. No. 880,539; Mar. 3; Sp. p. 86; Dr. p. 20; Gaz. vol. 133; p. 18.
 Boiler furnace, Steam-. W. P. Darling. No. 880,977; Mar. 3; Sp. p. 981; Dr. p. 212; Gaz. vol. 133; p. 166.
 Boiler furnace, Steam-. W. Hentschel. No. 888,086; May 19; Sp. p. 3537; Dr. p. 739; Gaz. vol. 134; p. 633.
 Boiler furnace, Steam-. A. Cotton. No. 907,682; Dec. 22; Sp. p. 5068; Gaz. vol. 137; p. 1908.
 Boiler-hanger. T. C. Best. No. 901,416; Oct. 20; Sp. p. 2823; Dr. p. 576; Gaz. vol. 136; p. 1576.
 Boiler indicator, Steam-. J. F. Senter. No. 876,497; Jan. 14; Sp. p. 1640; Dr. pp. 355-6; Gaz. vol. 132; p. 300.
 Boiler-pressure alarm, Automatic high and low. C. S. Moore. No. 877,581; Jan. 28; Sp. p. 3904; Dr. p. 845; Gaz. vol. 132; p. 720.
 Boiler-purifying device, Steam-. W. P. Wiemann. No. 879,930; Feb. 25; Sp. p. 4240; Dr. p. 886; Gaz. vol. 132; p. 1622.
 Boiler safety device and indicator, Steam-. G. E. Whitney. No. 907,209; Dec. 22; Sp. p. 4062; Gaz. vol. 137; p. 1750.
 Boiler safety device, Steam-. J. E. Smith. No. 893,028; July 14; Sp. p. 1308; Dr. p. 275; Gaz. vol. 135; p. 243.
 Boiler safety device, Steam-. J. Ulrich and C. Letteri. No. 893,036; July 14; Sp. p. 1323; Dr. p. 278; Gaz. vol. 135; p. 246.
 Boiler stay-bolt. L. Borneman. No. 891,139; June 16; Sp. p. 3928; Dr. p. 860; Gaz. vol. 134; p. 1748.
 Boiler superheater, Steam-. F. J. Cole. No. 875,895; Jan. 7; Sp. p. 409; Dr. pp. 90-1; Gaz. vol. 132; p. 75.
 Boiler superheater, Steam-. W. Ackroyd and C. A. M. Buckley. No. 894,566; July 28; Sp. p. 4572; Dr. p. 947; Gaz. vol. 135; p. 798.
 Boiler superheater, Steam-. A. W. Horsey and H. H. Vaughan. No. 904,129; Nov. 17; Sp. p. 3235; Gaz. vol. 137; p. 587.
 Boiler-tube. W. A. Compton. No. 878,353; Feb. 4; Sp. p. 933; Dr. p. 186; Gaz. vol. 132; p. 1000.
 Boiler-tube-calking device. H. Kuntze. No. 889,242; June 2; Sp. p. 97; Dr. p. 22; Gaz. vol. 134; p. 1074.
 Boiler-tube cleaner. R. O. Hodge. No. 878,286; Feb. 4; Sp. p. 804; Dr. p. 161; Gaz. vol. 132; p. 978.
 Boiler-tube cleaner. A. T. Stewart. No. 881,353; Mar. 10; Sp. p. 1720; Dr. p. 371; Gaz. vol. 133; p. 319.
 Boiler-tube cleaner. E. J. McCarty. No. 902,315; Oct. 27; Sp. p. 4701; Dr. p. 952; Gaz. vol. 136; p. 1898.
 Boiler-tube-cleaning apparatus. H. F. Weinland. No. 878,583; Feb. 11; Sp. p. 1490; Dr. pp. 302-3; Gaz. vol. 132; p. 1111.
 Boiler-tube-cleaning apparatus. H. F. Weinland. No. 894,557; July 28; Sp. p. 4555; Dr. p. 944; Gaz. vol. 135; p. 795.
 Boiler-tube-cleaning device. W. A. Greenlaw. No. 887,935; May 19; Sp. p. 3258; Dr. p. 684; Gaz. vol. 134; p. 586.
 Boiler-tube expander. J. W. Faessler. No. 898,202; Sept. 8; Sp. p. 1970; Dr. p. 420; Gaz. vol. 136; p. 342.
 Boiler-tube expander. J. W. Faessler. No. 898,203; Sept. 8; Sp. p. 1971; Dr. p. 420; Gaz. vol. 136; p. 342.
 Boiler-tube expander. L. G. Passat. No. 907,396; Dec. 22; Sp. p. 4422; Gaz. vol. 137; p. 1813.
 Boiler tube or flue cutter. F. W. Putsch. No. 890,795; June 19; Sp. p. 3267; Dr. p. 716; Gaz. vol. 134; p. 1639.
 Boiler-tube press. J. C. Tasse and J. B. Harrington. No. 897,175; Aug. 25; Sp. p. 4835; Dr. p. 1028; Gaz. vol. 135; p. 1747.
 Boiler tube-sheet. G. H. Rheutan. No. 896,045; Aug. 11; Sp. p. 2535; Dr. p. 551; Gaz. vol. 135; p. 1335.
 Boiler tubes, Tool for spreading water-tube. J. F. Dugett. No. 903,550; Nov. 10; Sp. p. 2037; Gaz. vol. 137; p. 365.
 Boiler, Tubular steam-. H. E. Ward. No. 904,385; Nov. 17; Sp. p. 3783; Gaz. vol. 137; p. 674.
 Boiler water-gage, Steam-. E. F. Alexander. No. 883,606; Mar. 31; Sp. p. 6231; Dr. p. 1329; Gaz. vol. 133; p. 1141.
 Boilers, Apparatus for generating a solution for preventing incrustation in steam-. F. Brun. No. 897,452; Sept. 1; Sp. p. 436; Dr. p. 94; Gaz. vol. 136; p. 63.
 Boilers, Apparatus for removing sediment from steam-. P. Hulburd. No. 895,182; Aug. 4; Sp. p. 810; Dr. p. 169; Gaz. vol. 135; p. 1029.
 Boilers, &c., Automatic electric safety device for. C. Kausen. No. 899,220; Sept. 22; Sp. p. 3906; Dr. p. 834; Gaz. vol. 136; p. 731.
 Boilers, Auxiliary dome for steam-. J. Shelton. No. 893,389; July 14; Sp. p. 1998; Dr. p. 419; Gaz. vol. 135; p. 360.
 Boilers, Blow-out device for steam-. D. Brews. No. 881,895; Mar. 17; Sp. p. 2823; Dr. p. 603; Gaz. vol. 133; p. 523.
 Boilers, Composition for removing incrustations from. F. Barrios. No. 893,894; July 21; Sp. p. 3161; Gaz. vol. 135; p. 556.
 Boilers, Device for supplying scale-removal compounds to. G. W. Case and H. C. Haggerty. No. 888,469; May 26; Sp. p. 4289; Dr. p. 908; Gaz. vol. 134; p. 783.
 Boilers, Fuel and water controlled apparatus for flash-. J. W. and O. U. Chenoweth. No. 894,255; July 28; Sp. p. 3943; Dr. p. 812; Gaz. vol. 135; p. 606.
 Boilers, Man-head crane for steam-. S. Dillon and J. Noey. No. 900,689; Oct. 6; Sp. p. 1239; Dr. p. 271; Gaz. vol. 136; p. 1277.
 Boilers, Means for heating the feed-water of. J. Fournia. (Reissue.) No. 12,895; Dec. 15; Sp. p. 3843; Gaz. vol. 137; p. 1683.
 Boilers, Means for protecting grate-bars in. O. Hoffman. No. 891,068; June 16; Sp. p. 3817; Dr. p. 833; Gaz. vol. 134; p. 1728.
 Boilers, Mud-drum for. J. Stroppe. No. 888,127; May 19; Sp. p. 3615; Dr. p. 757; Gaz. vol. 134; p. 646.
 Boll-weevil-catching machine. W. M. and R. J. McCurdy. No. 886,535; May 5; Sp. p. 379; Dr. p. 79; Gaz. vol. 134; p. 70.
 Boll-weevil exterminator. G. W. Watkins. No. 876,612; Jan. 14; Sp. p. 1908; Dr. p. 416; Gaz. vol. 132; p. 340.
 Boll weevil, Machine for destroying the cotton-. W. W. and W. W. Burson. No. 888,419; May 19; Sp. p. 4185; Dr. p. 887; Gaz. vol. 134; p. 742.
 Boll-weevils, Device for killing. W. L. Rosson. No. 897,850; Sept. 1; Sp. p. 1238; Dr. p. 265; Gaz. vol. 136; p. 196.
 Bolster. H. Aiken. No. 895,323; Aug. 4; Sp. p. 1106; Dr. p. 232; Gaz. vol. 135; p. 1077.
 Bolster, Body-. O. S. Pulliam. No. 897,011; Aug. 25; Sp. p. 4518; Dr. p. 966; Gaz. vol. 135; p. 1694.
 Bolster-stake. J. Heimlicher. No. 884,923; Apr. 14; Sp. p. 2572; Dr. p. 541; Gaz. vol. 133; p. 1628.
 Bolt. See Boiler stay-bolt; Door-bolt; Foot-bolt; Key-bolt; Lock-bolt; Locking-bolt; Locking-bolt; Stay-bolt; Surgical screw-bolt.
 Bolt. J. D. Earnest. No. 877,061; Jan. 21; Sp. p. 2840; Dr. p. 613; Gaz. vol. 132; p. 529.
 Bolt. H. V. Wille. No. 877,390; Jan. 21; Sp. p. 3494; Dr. p. 758; Gaz. vol. 132; p. 637.
 Bolt. M. Jacobs. No. 878,003; Feb. 4; Sp. p. 213; Dr. p. 47; Gaz. vol. 132; p. 885.

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- Bolt. F. P. Pfeleghar. No. 881,613; Mar. 10; Sp. p. 2237; Dr. p. 487; Gaz. vol. 133; p. 404.
 Bolt. F. McInerney. No. 903,397; Nov. 10; Sp. p. 1711; Gaz. vol. 137; p. 313.
 Bolt-anchor. O. Kohnstamm. No. 895,769; Aug. 11; Sp. p. 1986; Dr. p. 420; Gaz. vol. 135; p. 1246.
 Bolt-anchor, Expansion. H. W. Pleister. No. 896,756; Aug. 25; Sp. p. 3942; Dr. p. 850; Gaz. vol. 135; p. 1608.
 Bolt-anchor, Expansion. H. B. Newhall. No. 907,393; Dec. 22; Sp. p. 4416; Gaz. vol. 137; p. 1812.
 Bolt and latch releasing device, Door. L. Jones. No. 902,412; Oct. 27; Sp. p. 4893; Dr. pp. 990-1; Gaz. vol. 136; p. 1930.
 Bolt clip and connection, King-. F. E. Wilcox. No. 896,603; Aug. 18; Sp. p. 3624; Dr. p. 778; Gaz. vol. 135; p. 1537.
 Bolt-cutter. W. Woolgar. No. 907,936; Dec. 29; Sp. p. 5578; Gaz. vol. 137; p. 2021.
 Bolt-cutting machines, Taper cutting and threading attachment for. H. Neville. No. 883,561; Mar. 31; Sp. p. 6159; Dr. p. 1310; Gaz. vol. 133; p. 1128.
 Bolt, Expansion-. C. J. Clements. No. 906,510; Dec. 15; Sp. p. 2713; Gaz. vol. 137; p. 1492.
 Bolt-fastening device. A. V. Bryce. No. 896,709; Aug. 25; Sp. p. 3835; Dr. p. 830; Gaz. vol. 135; p. 1592.
 Bolt for desks and other structures. C. E. Johnson. No. 878,206; Feb. 4; Sp. p. 650; Dr. p. 133; Gaz. vol. 132; p. 951.
 Bolt-heading die. W. F. Dowerman. No. 882,628; Mar. 24; Sp. p. 4255; Dr. p. 901; Gaz. vol. 133; p. 795.
 Bolt keeper, Lock-. J. Christy. No. 885,320; Apr. 21; Sp. p. 3410; Dr. p. 713; Gaz. vol. 133; p. 1792.
 Bolt-lock. W. S. Wootton. No. 893,965; July 21; Sp. p. 3305; Dr. p. 679; Gaz. vol. 135; p. 580.
 Bolt-locking device. J. L. Stoffer. No. 901,563; Oct. 20; Sp. p. 3139; Dr. p. 641; Gaz. vol. 136; p. 1624.
 Bolt-operating and automatic locking mechanism. J. Meikle. No. 889,630; June 2; Sp. p. 863; Dr. p. 197; Gaz. vol. 134; p. 1198.
 Bolt-operator. W. W. Meyer. No. 896,928; Aug. 25; Sp. p. 4338; Dr. p. 929; Gaz. vol. 135; p. 1667.
 Bolt-pointing machine. C. Sonneborn. No. 905,600; Dec. 1; Sp. p. 980; Gaz. vol. 137; p. 1140.
 Bolt-securing device, Split-. J. J. Souder. No. 878,570; Feb. 11; Sp. p. 1447; Dr. p. 295; Gaz. vol. 132; p. 1106.
 Bolts, tenons, &c., Tool for drawing. S. O. Duemler. No. 902,649; Nov. 3; Sp. p. 230; Gaz. vol. 136; p. 39.
 Bolts to concrete, Means for attaching. W. E. Belharz. No. 899,002; Sept. 15; Sp. p. 3474; Dr. p. 744; Gaz. vol. 136; p. 632.
 Bolting-cloth cleaner. J. P. Guidinger. No. 892,590; July 7; Sp. p. 374; Dr. p. 82; Gaz. vol. 135; p. 70.
 Bolting-machine. J. W. Johnston and C. E. Ruhlmann. No. 890,657; June 16; Sp. p. 2905; Dr. p. 649; Gaz. vol. 134; p. 1593.
 Bonding-clamp. B. B. Ladd. No. 895,646; Aug. 11; Sp. p. 1733; Dr. p. 367; Gaz. vol. 135; p. 1206.
 Bonding-pin. F. H. Ayer. No. 882,609; Mar. 24; Sp. p. 4212; Dr. p. 892; Gaz. vol. 133; p. 788.
 Book. J. Griesinger. No. 881,794; Mar. 10; Sp. p. 2577; Dr. p. 553; Gaz. vol. 133; p. 459.
 Book. J. C. Dawson. No. 896,976; Aug. 25; Sp. p. 4451; Dr. p. 951; Gaz. vol. 135; p. 1682.
 Book. J. D. Mcts. No. 904,076; Nov. 17; Sp. p. 3125; Gaz. vol. 137; p. 568.
 Book, Account-. W. T. MacDougall. No. 878,216; Feb. 4; Sp. p. 665; Dr. p. 137; Gaz. vol. 132; p. 954.
 Book, Account-. W. T. MacDougall. No. 878,217; Feb. 4; Sp. p. 667; Dr. p. 137; Gaz. vol. 132; p. 954.
 Book and card system, Combined loose-leaf. C. P. Ferrero. No. 886,320; Apr. 28; Sp. p. 5439; Dr. p. 1140; Gaz. vol. 133; p. 2147.
 Book and copy-holder, Note-. H. W. Avis. No. 889,743; June 2; Sp. p. 1084; Dr. p. 251; Gaz. vol. 134; p. 1234.
 Book, Check-. L. C. Reeder. No. 888,352; May 19; Sp. p. 4036; Dr. p. 851; Gaz. vol. 134; p. 719.
 Book, Check-. F. C. Rhodes. No. 889,719; June 2; Sp. p. 1045; Dr. p. 241; Gaz. vol. 134; p. 1226.
 Book-cover. J. L. Read. No. 881,718; Mar. 10; Sp. p. 2447; Dr. p. 526; Gaz. vol. 133; p. 436.
 Book cover, Loose-leaf-. M. H. Baker. No. 906,365; Dec. 8; Sp. p. 2445; Gaz. vol. 137; p. 1419.
 Book-covers, Machine for making. A. Mugler. No. 880,033; Feb. 25; Sp. p. 4429; Dr. pp. 930-1; Gaz. vol. 132; p. 1655.
 Book, Detachable-leaf check and pass. H. F. Johnson. No. 876,969; Jan. 21; Sp. p. 2637; Dr. p. 572; Gaz. vol. 132; p. 497.
 Book, Detachable-leaf check and pass. H. F. Johnson. No. 906,890; Dec. 15; Sp. p. 3435; Gaz. vol. 137; p. 1611.
 Book device, Loose-leaf-. W. H. Garland. No. 877,187; Jan. 21; Sp. p. 3104; Dr. p. 672; Gaz. vol. 132; p. 571.
 Book for manifold writings. W. E. Easterbrooks. No. 886,782; May 5; Sp. p. 914; Dr. p. 190; Gaz. vol. 134; p. 151.
 Book having a pocket. R. A. Creek. No. 877,553; Jan. 28; Sp. p. 3849; Dr. p. 833; Gaz. vol. 132; p. 712.
 Book-holder. H. B. Utz. No. 883,433; Mar. 31; Sp. p. 5903; Dr. p. 1259; Gaz. vol. 133; p. 1089.
 Book-holder. N. S. Davis. No. 884,722; Apr. 14; Sp. p. 2167; Dr. p. 460; Gaz. vol. 133; p. 1555.
 Book-holder. P. Hufeland. No. 907,239; Dec. 22; Sp. p. 4158; Gaz. vol. 137; p. 1769.
 Book holder, Note-. F. W. Mosher. No. 892,288; June 30; Sp. p. 6283; Dr. p. 1333; Gaz. vol. 134; p. 2193.
 Book, Hook-. P. V. Ericson. No. 891,612; June 23; Sp. p. 2915; Dr. p. 1000; Gaz. vol. 134; p. 1935.
 Book, Indexed. A. F. Dean. No. 882,816; Mar. 24; Sp. p. 4617; Dr. pp. 934-5; Gaz. vol. 133; p. 856.
 Book, Indexed. W. I. Harp. No. 883,460; Mar. 31; Sp. p. 5956; Dr. pp. 1270-1; Gaz. vol. 133; p. 1098.
 Book, Laundry record-. E. W. Gray. No. 903,283; Nov. 10; Sp. p. 1500; Gaz. vol. 137; p. 277.
 Book, Letter-. R. A. Dunn. No. 899,035; Sept. 22; Sp. p. 3548; Dr. p. 759; Gaz. vol. 136; p. 670.
 Book, Loose-leaf. W. P. Pitt. No. 876,395; Jan. 14; Sp. p. 1418; Dr. p. 305; Gaz. vol. 132; p. 265.
 Book, Loose-leaf. W. J. Schultz and H. Gerding. No. 881,829; Mar. 10; Sp. p. 2652; Dr. p. 568; Gaz. vol. 133; p. 471.
 Book, Loose-leaf. A. Watters. No. 883,154; Mar. 24; Sp. p. 5292; Dr. p. 1129; Gaz. vol. 133; p. 967.
 Book, Loose-leaf. F. W. Hodges. No. 888,440; May 19; Sp. p. 4233; Dr. p. 897; Gaz. vol. 134; p. 749.
 Book, Loose-leaf. F. von Schlegel. No. 890,877; June 16; Sp. p. 3415; Dr. p. 748; Gaz. vol. 134; p. 1664.
 Book, Loose-leaf. J. C. Hedges. No. 899,594; Sept. 29; Sp. p. 4658; Dr. p. 998; Gaz. vol. 136; p. 889.
 Book, Loose-leaf. H. E. Hawkins. No. 904,777; Nov. 24; Sp. p. 4625; Gaz. vol. 137; p. 832.
 Book, Loose-leaf. H. E. Hawkins. No. 907,596; Dec. 22; Sp. p. 4849; Gaz. vol. 137; p. 1880.
 Book, Manifolding account-. W. A. Pepper. No. 907,640; Dec. 22; Sp. p. 4962; Gaz. vol. 137; p. 1894.
 Book, Manifolding sales-. J. R. Dickson. No. 879,447; Feb. 18; Sp. p. 3190; Dr. p. 664; Gaz. vol. 132; p. 1430.
 Book, Manifolding sales-. C. M. Kirkland. No. 882,568; Mar. 24; Sp. p. 4128; Dr. p. 876; Gaz. vol. 133; p. 774.
 Book, Manifolding sales-. L. G. Whitney. No. 897,245; Aug. 25; Sp. p. 5071; Dr. pp. 1059-60; Gaz. vol. 135; p. 1774.
 Book-mark. J. T. and G. T. Moore. No. 898,669; Sept. 15; Sp. p. 2876; Dr. p. 615; Gaz. vol. 136; p. 524.
 Book-mark. W. F. Brackett and N. H. Beebe. No. 901,225; Oct. 13; Sp. p. 2374; Dr. pp. 485-6; Gaz. vol. 136; p. 1474.
 Book or pad, Manifold copy. C. F. Metzger. No. 901,935; Oct. 20; Sp. p. 3893; Dr. p. 794; Gaz. vol. 136; p. 1746.
 Book, Pocket check-. F. C. Rhodes. No. 835,300; Aug. 4; Sp. p. 1074; Dr. p. 225; Gaz. vol. 135; p. 1070.
 Book, Record-. F. O. King. No. 879,109; Feb. 11; Sp. p. 2509; Dr. p. 521; Gaz. vol. 132; p. 1277.
 Book, Sales-. A. F. Staples. No. 884,623; Apr. 14; Sp. p. 1930; Dr. p. 415; Gaz. vol. 133; p. 1530.
 Book, &c., Scrap-. M. Willinger. No. 887,448; May 12; Sp. p. 2280; Dr. pp. 478-9; Gaz. vol. 134; p. 395.
 Book, Stenographer's note-. F. W. Warren. No. 875,756; Jan. 7; Sp. p. 155; Dr. p. 34; Gaz. vol. 132; p. 29.
 Book-support and adjustable shelf-partition. W. M. Poindexter. No. 903,769; Nov. 10; Sp. p. 2461; Gaz. vol. 137; p. 431.
 Book-support and copy-spacer, Adjustable. F. H. Hoffmann. No. 879,770; Feb. 18; Sp. p. 3857; Dr. p. 808; Gaz. vol. 132; p. 1535.
 Book-support, Revolving. J. M. Glass. No. 888,158; May 19; Sp. p. 3673; Dr. p. 767; Gaz. vol. 134; p. 656.
 Book, Time-. F. J. Daley. No. 898,442; Sept. 15; Sp. p. 2431; Dr. p. 521; Gaz. vol. 136; p. 452.
 Book tooling and lettering press. M. Kalaba. No. 892,847; July 7; Sp. p. 902; Dr. p. 192; Gaz. vol. 135; p. 152.
 Book, Writing-. J. W. C. Gilman. No. 902,959; Nov. 3; Sp. p. 857; Gaz. vol. 137; p. 142.
 Books, Clip or elastic-band attachment for. M. A. Hirsch. No. 877,771; Jan. 28; Sp. p. 4249; Dr. p. 922; Gaz. vol. 132; p. 781.
 Books for binding, Method and means for preparing the backs of. H. D. Baumfalk. No. 876,516; Jan. 14; Sp. p. 1691; Dr. pp. 368-9; Gaz. vol. 132; p. 307.
 Books, journals, paper, music, &c., Binder for. W. Pein. No. 899,066; Sept. 22; Sp. p. 3595; Dr. p. 770; Gaz. vol. 136; p. 679.
 Books, Machine for casing in. J. Murray. No. 879,485; Feb. 18; Sp. p. 3273; Dr. pp. 683-4; Gaz. vol. 132; p. 1442.
 Books, Manufacture of scrap and other. P. A. Kehoe. No. 906,719; Dec. 15; Sp. p. 3095; Gaz. vol. 137; p. 1557.
 Books, Stapled signature for. C. A. Juengst. No. 893,511; July 14; Sp. p. 2285; Dr. p. 479; Gaz. vol. 135; p. 400.
 Books, telephones, and the like, Supporter for. S. W. Benson. No. 895,536; Aug. 11; Sp. p. 1529; Dr. pp. 323-4; Gaz. vol. 135; p. 1171.
 Bookbinder. J. Weisbrod. No. 892,200; June 30; Sp. p. 6117; Dr. p. 1316; Gaz. vol. 134; p. 2163.
 Bookbinder's strip-applying machine. C. J. Duggan. No. 886,961; May 5; Sp. p. 1240; Dr. p. 263; Gaz. vol. 134; p. 206.
 Bookbinding. W. E. and H. J. Gaylord. No. 877,188; Jan. 21; Sp. p. 3106; Dr. p. 672; Gaz. vol. 132; p. 571.
 Bookbinding. M. C. Neuner. No. 879,573; Feb. 18; Sp. p. 3455; Dr. p. 724; Gaz. vol. 132; p. 1471.
 Bookbinding. W. H. Rademaekers. No. 886,726; May 5; Sp. p. 799; Dr. pp. 164-5; Gaz. vol. 134; p. 133.
 Bookbinding. C. Chivers. No. 892,363; June 30; Sp. p. 6421; Dr. p. 1386; Gaz. vol. 134; p. 2216.
 Bookbinding. F. Bollenbach. No. 902,933; Nov. 3; Sp. p. 810; Gaz. vol. 137; p. 134.
 Bookcase. F. J. Honor. No. 899,049; Sept. 22; Sp. p. 3569; Dr. p. 764; Gaz. vol. 136; p. 674.
 Bookcase, Knockdown sectional. F. B. Moore. No. 875,722; Jan. 7; Sp. p. 85; Dr. p. 13; Gaz. vol. 132; p. 19.
 Bookcase, Knockdown sectional. G. F. Kroeger. No. 892,997; July 14; Sp. p. 1250; Dr. p. 262; Gaz. vol. 135; p. 233.
 Bookcase, Sectional. A. D. Oles. No. 902,995; Nov. 3; Sp. p. 937; Gaz. vol. 137; p. 154.
 Bookkeeping system. C. Sherwin. No. 886,081; Apr. 28; Sp. p. 4972; Dr. p. 1046; Gaz. vol. 133; p. 2066.
 Bookkeeping system and leaf forming part of the same. G. H. Vroom. No. 881,750; Mar. 10; Sp. p. 2501; Dr. pp. 538-9; Gaz. vol. 133; p. 445.
 Boom, Swinging. J. R. McGiffert. No. 907,631; Dec. 22; Sp. p. 4931; Gaz. vol. 137; p. 1890.
 Boomerang. C. L. and E. M. Dawes. No. 906,206; Dec. 8; Sp. p. 2142; Gaz. vol. 137; p. 1367.

Alphabetical list of inventions—Continued.

- Boot. R. Fox. No. 904,254; Nov. 17; Sp. p. 3524; Gaz. vol. 137; p. 630.
 Boot and shoe. C. J. Walker. No. 879,704; Feb. 18; Sp. p. 3738; Dr. p. 784; Gaz. vol. 132; p. 1514.
 Boot and shoe. C. J. Walker. No. 884,880; Apr. 14; Sp. p. 2484; Dr. p. 523; Gaz. vol. 133; p. 1616.
 Boot and shoe. T. J. Regan. No. 887,846; May 19; Sp. p. 3084; Dr. p. 647; Gaz. vol. 134; p. 556.
 Boot and shoe. W. Gordon. No. 894,881; Aug. 4; Sp. p. 171; Dr. p. 37; Gaz. vol. 135; p. 927.
 Boot and shoe. H. Z. Angevine. No. 895,140; Aug. 4; Sp. p. 723; Dr. p. 151; Gaz. vol. 135; p. 1015.
 Boot and shoe. J. F. Schultz. No. 898,145; Sept. 8; Sp. p. 1861; Dr. p. 398; Gaz. vol. 136; p. 324.
 Boot and shoe and innersole therefor. G. C. Hemis. No. 889,093; May 26; Sp. p. 5562; Dr. p. 1182; Gaz. vol. 134; p. 993.
 Boot and shoe cleaner. E. M. Rich. No. 905,583; Dec. 1; Sp. p. 951; Gaz. vol. 137; p. 1135.
 Boot and shoe cleaning stand. A. F. Bigford. No. 886,756; May 5; Sp. p. 865; Dr. p. 180; Gaz. vol. 134; p. 143.
 Boot and shoe cushion. F. P. McIntyre. No. 897,920; Sept. 8; Sp. p. 1402; Dr. p. 299; Gaz. vol. 136; p. 253.
 Boot and shoe edge-trimming machine. A. E. Ayer. No. 883,684; Apr. 7; Sp. p. 1; Dr. p. 1; Gaz. vol. 133; p. 1195.
 Boot and shoe heel top lift. W. F. Bostock. No. 907,723; Dec. 29; Sp. p. 5143; Gaz. vol. 137; p. 1951.
 Boot and shoe last corn and bunion casing attachment. J. O. Stivers. (Reissue.) No. 12,881; Nov. 17; Sp. p. 4045; Gaz. vol. 137; p. 712.
 Boot-calk. L. H. Maxwell. No. 892,173; June 30; Sp. p. 6064; Dr. p. 1304; Gaz. vol. 134; p. 2154.
 Boot, Lawn-. G. W. Phillips. No. 882,016; Mar. 17; Sp. p. 3083; Dr. p. 656; Gaz. vol. 133; p. 562.
 Boot or shoe. E. S. Morris and J. J. Mulconroy. No. 895,284; Aug. 4; Sp. p. 1038; Dr. p. 217; Gaz. vol. 135; p. 1065.
 Boot or sock, Felt. F. W. Savage. No. 883,573; Mar. 31; Sp. p. 6180; Dr. p. 1314; Gaz. vol. 133; p. 1131.
 Boots and shoes, Antislipping tread for. N. J. Busby. No. 879,732; Feb. 18; Sp. p. 3791; Dr. p. 795; Gaz. vol. 132; p. 1523.
 Boots and shoes, Device for reshaping and re-forming. E. C. Hawkins. No. 897,830; Sept. 1; Sp. p. 1200; Dr. p. 255; Gaz. vol. 136; p. 190.
 Boots and shoes, Machine for operating upon welts of. J. B. Hadaway. No. 885,244; Apr. 21; Sp. p. 3251; Dr. pp. 678-9; Gaz. vol. 133; p. 1766.
 Boots and shoes, Machine for separating or indenting stitches on. M. T. Denne. No. 876,699; Jan. 14; Sp. p. 2090; Dr. pp. 454-5; Gaz. vol. 132; p. 370.
 Boots and shoes, Means for attaching pads to. W. Plowright. No. 892,884; July 7; Sp. p. 993; Dr. p. 208; Gaz. vol. 135; p. 165.
 Boots and shoes or the like, Mechanical hammering device for use in the manufacture of. G. Kron. (Reissue.) No. 12,825; July 7; Sp. p. 1172; Dr. p. 247; Gaz. vol. 135; p. 197.
 Boots and shoes, Pattern for cutting out. J. J. Dumonceau. No. 882,749; Mar. 24; Sp. p. 4492; Dr. p. 957; Gaz. vol. 133; p. 834.
 Boots and shoes, Tack pulling and driving machine for lasted. C. F. Pym. No. 893,871; July 21; Sp. p. 3118; Dr. p. 640; Gaz. vol. 135; p. 548.
 Boots and shoes, Waterproof dressing for. E. R. Coburn. No. 881,901; Mar. 17; Sp. p. 2834; Gaz. vol. 133; p. 525.
 Boots or shoes, Attaching buttons to the uppers of. J. Mathison. No. 907,385; Dec. 22; Sp. p. 4403; Gaz. vol. 137; p. 1810.
 Boots or shoes, Machine for operating upon the toe portions of. O. Ashton. No. 891,130; June 16; Sp. p. 3909; Dr. pp. 856-7; Gaz. vol. 134; p. 1746.
 Boots or shoes, Machine for operating upon the toe portions of. O. Ashton. No. 891,131; June 16; Sp. p. 3913; Dr. p. 857; Gaz. vol. 134; p. 1746.
 Boots, shoes, leggings, &c., Stretcher or filler for. J. N. Cochrane. No. 899,444; Sept. 22; Sp. p. 4325; Dr. p. 929; Gaz. vol. 136; p. 801.
 Bootjack. A. E. Davis. No. 887,924; May 19; Sp. p. 3231; Dr. p. 679; Gaz. vol. 134; p. 582.
 Booth. C. J. Burton. No. 895,538; Aug. 11; Sp. p. 1534; Dr. pp. 324-5; Gaz. vol. 135; p. 1172.
 Border-calculator. C. E. Schindler. No. 904,456; Nov. 17; Sp. p. 3930; Gaz. vol. 137; p. 697.
 Bore-holes, Apparatus for ascertaining strike and dip of veins or seams in. F. Meine. No. 908,299; Dec. 29; Sp. p. 6339; Gaz. vol. 137; p. 2142.
 Boring and finishing device. T. L. Green. No. 883,133; Mar. 24; Sp. p. 5250; Dr. pp. 1121-2; Gaz. vol. 133; p. 960.
 Boring and turning mill, Multiple. L. H. Farrier. No. 905,680; Dec. 1; Sp. p. 1125; Gaz. vol. 137; p. 1165.
 Boring apparatus, Safety. G. Burnside. No. 882,741; Mar. 24; Sp. p. 4476; Dr. p. 953; Gaz. vol. 133; p. 832.
 Boring-bar. C. L. Riker, Jr. No. 877,950; Feb. 4; Sp. p. 107; Dr. p. 25; Gaz. vol. 132; p. 867.
 Boring-bit head. W. G. Parry and P. J. Creedon. No. 877,592; Jan. 28; Sp. p. 3925; Dr. p. 849; Gaz. vol. 132; p. 724.
 Boring-jig. A. W. Thomas. No. 889,273; June 2; Sp. p. 157; Dr. p. 38; Gaz. vol. 134; p. 1083.
 Boring-machine. W. S. Sherman. No. 879,918; Feb. 25; Sp. p. 4214; Dr. p. 879; Gaz. vol. 132; p. 1618.
 Boring-machine. W. D. Price, J. A. Dreher, and A. E. Welker. No. 894,228; July 28; Sp. p. 3860; Dr. p. 801; Gaz. vol. 135; p. 687.
 Boring-machine. W. S. Sims. No. 897,167; Aug. 25; Sp. p. 4823; Dr. p. 1026; Gaz. vol. 135; p. 1745.
 Boring-machine. F. J. Waters. No. 897,944; Sept. 8; Sp. p. 1462; Dr. pp. 311-12; Gaz. vol. 136; p. 251.
 Boring-machine. C. Rhinehart. No. 907,883; Dec. 29; Sp. p. 5454; Gaz. vol. 137; p. 2004.
 Boring-machine, Cylinder-. W. J. Hagman. No. 883,459; Mar. 31; Sp. p. 5954; Dr. p. 1270; Gaz. vol. 133; p. 1097.
 Boring-machine, Earth-. P. Fenton and F. W. Waechter. No. 876,048; Jan. 7; Sp. p. 697; Dr. p. 150; Gaz. vol. 132; p. 121.
 Boring-machine, Thrust. C. Christiansen. No. 883,858; Apr. 7; Sp. p. 378; Dr. p. 74; Gaz. vol. 133; p. 1251.
 Boring-machines, Drill and bit holder for. J. Marston. No. 886,228; Apr. 28; Sp. p. 5243; Dr. p. 1104; Gaz. vol. 133; p. 2114.
 Boring mechanism, Rotary. J. A. Wiggs, Jr. No. 883,368; Mar. 31; Sp. p. 5737; Dr. pp. 1223-5; Gaz. vol. 133; p. 1066.
 Boring-mill. F. W. Parker. No. 882,590; Mar. 24; Sp. p. 4152; Dr. p. 881; Gaz. vol. 133; p. 778.
 Boring-mill. S. S. Wheeler. No. 891,199; June 16; Sp. p. 4059; Dr. p. 890; Gaz. vol. 134; p. 1769.
 Boring-mills, Rapid-traverse device for. E. P. Bullard and E. Henrikson. No. 877,403; Jan. 21; Sp. p. 3521; Dr. p. 763; Gaz. vol. 132; p. 641.
 Boring or reaming and grinding machine. E. A. Chamberlin. No. 898,966; Sept. 15; Sp. p. 3413; Dr. p. 733; Gaz. vol. 136; p. 621.
 Boring, tapping, &c., machine. W. Murchey. No. 907,163; Dec. 22; Sp. p. 3949; Gaz. vol. 137; p. 1734.
 Boring-tool. R. N. Melvin. No. 882,530; Mar. 17; Sp. p. 4054; Dr. p. 863; Gaz. vol. 133; p. 730.
 Boring-tool. O. Tack. No. 884,111; Apr. 7; Sp. p. 924; Dr. p. 194; Gaz. vol. 133; p. 1336.
 Boring-tool. M. Mayer. No. 895,778; Aug. 11; Sp. p. 2010; Dr. p. 426; Gaz. vol. 135; p. 1248.
 Boring tool, Earth-. A. Beldiman. No. 878,856; Feb. 11; Sp. p. 2020; Dr. p. 417; Gaz. vol. 132; p. 1199.
 Boring-tool holder, Adjustable. W. J. Roman. No. 892,894; July 7; Sp. p. 1018; Dr. p. 213; Gaz. vol. 135; p. 169.
 Bottle. E. L. Dimitry. No. 876,150; Jan. 7; Sp. p. 906; Dr. p. 196; Gaz. vol. 132; p. 154.
 Bottle. W. Harrison. No. 879,766; Feb. 18; Sp. p. 3850; Dr. p. 806; Gaz. vol. 132; p. 1534.
 Bottle. J. L. Kendrick. No. 880,082; Feb. 25; Sp. p. 4535; Dr. p. 954; Gaz. vol. 132; p. 1670.
 Bottle. A. J. Farmer. No. 881,886; Mar. 10; Sp. p. 2781; Dr. p. 597; Gaz. vol. 133; p. 491.
 Bottle. G. E. Zeigler. No. 882,809; Mar. 24; Sp. p. 4607; Dr. p. 982; Gaz. vol. 133; p. 854.
 Bottle. N. G. Burke. No. 882,864; Mar. 24; Sp. p. 4730; Dr. p. 1005; Gaz. vol. 133; p. 872.
 Bottle. A. S. Kirk. No. 884,168; Apr. 7; Sp. p. 1055; Dr. p. 220; Gaz. vol. 133; p. 1354.
 Bottle. H. S. Mitchell. No. 884,284; Apr. 7; Sp. p. 1248; Dr. p. 262; Gaz. vol. 133; p. 1391.
 Bottle. F. S. Barnes. No. 885,661; Apr. 21; Sp. p. 4089; Dr. p. 855; Gaz. vol. 133; p. 1897.
 Bottle. N. Hoffmann and F. Müller. No. 886,807; May 5; Sp. p. 973; Dr. p. 204; Gaz. vol. 134; p. 158.
 Bottle. F. N. Fisher. No. 887,320; May 12; Sp. p. 2019; Dr. p. 422; Gaz. vol. 134; p. 353.
 Bottle. F. J. Colmus. No. 888,309; May 19; Sp. p. 3952; Dr. p. 832; Gaz. vol. 134; p. 706.
 Bottle. L. Liptai. No. 888,829; May 26; Sp. p. 5048; Dr. p. 1078; Gaz. vol. 134; p. 907.
 Bottle. J. C. Anderson. No. 889,498; June 2; Sp. p. 621; Dr. p. 145; Gaz. vol. 134; p. 1156.
 Bottle. J. C. Anderson. No. 889,499; June 2; Sp. p. 623; Dr. p. 145; Gaz. vol. 134; p. 1156.
 Bottle. J. C. Anderson. No. 889,500; June 2; Sp. p. 625; Dr. p. 145; Gaz. vol. 134; p. 1156.
 Bottle. K. Culver. No. 890,410; June 9; Sp. p. 2450; Dr. p. 542; Gaz. vol. 134; p. 1479.
 Bottle. L. G. Sabbag. No. 890,874; June 16; Sp. p. 3407; Dr. p. 747; Gaz. vol. 134; p. 1663.
 Bottle. J. B. Reilly. No. 896,857; Aug. 25; Sp. p. 4168; Dr. p. 892; Gaz. vol. 135; p. 1643.
 Bottle. J. J. Piper and J. P. Borman. No. 897,139; Aug. 25; Sp. p. 4770; Dr. p. 1015; Gaz. vol. 135; p. 1737.
 Bottle. G. P. Dennis. No. 897,724; Sept. 1; Sp. p. 978; Dr. p. 208; Gaz. vol. 136; p. 157.
 Bottle. R. R. Graves. No. 898,575; Sept. 15; Sp. p. 2694; Dr. p. 576; Gaz. vol. 136; p. 494.
 Bottle. C. K. Briner and H. T. Fox. No. 898,628; Sept. 15; Sp. p. 2799; Dr. p. 599; Gaz. vol. 136; p. 512.
 Bottle. J. A. Gaffney. No. 899,214; Sept. 22; Sp. p. 3899; Dr. p. 832; Gaz. vol. 136; p. 729.
 Bottle. J. McGill. No. 899,493; Sept. 22; Sp. p. 4419; Dr. p. 948; Gaz. vol. 136; p. 818.
 Bottle. G. Geisendorfer. No. 900,364; Oct. 6; Sp. p. 607; Dr. p. 126; Gaz. vol. 136; p. 1168.
 Bottle. J. A. McKelvey. No. 905,221; Dec. 1; Sp. p. 204; Gaz. vol. 137; p. 1017.
 Bottle. E. Witman, Jr. No. 905,485; Dec. 1; Sp. p. 756; Gaz. vol. 137; p. 1105.
 Bottle. F. Sonnenfeld and R. Fisher. No. 908,163; Dec. 29; Sp. p. 6053; Gaz. vol. 137; p. 2097.
 Bottle and a combined stopper and dauber therefor, Polish-. C. A. Moltane. No. 892,284; June 30; Sp. p. 6278; Dr. p. 1352; Gaz. vol. 134; p. 2191.
 Bottle and cap-closure. A. F. McDonnell. No. 893,008; July 14; Sp. p. 1271; Dr. p. 268; Gaz. vol. 135; p. 237.
 Bottle and casing, Vacuum-. G. P. Van Wye. No. 889,992; June 9; Sp. p. 1594; Dr. p. 357; Gaz. vol. 134; p. 1342.
 Bottle and closure therefor. N. P. Jensen. No. 888,170; May 19; Sp. p. 3696; Dr. p. 770; Gaz. vol. 134; p. 660.

Alphabetical list of inventions—Continued.

- Bottle and cup, Combined. F. N. Ferry. No. 896,903; Aug. 25; Sp. p. 4256; Dr. p. 910; Gaz. vol. 135; p. 1658.
- Bottle and ink-well attachment, Ink-. W. L. Clarke. No. 880,973; Mar. 3; Sp. p. 976; Dr. p. 210; Gaz. vol. 133; p. 165.
- Bottle and jar closure. H. Bradley. No. 895,719; Aug. 11; Sp. p. 1885; Dr. p. 399; Gaz. vol. 135; p. 1230.
- Bottle and jar closure. Universal. W. P. Kain. No. 894,153; July 21; Sp. p. 3691; Dr. p. 766; Gaz. vol. 135; p. 641.
- Bottle and jar stopper. C. E. R. Christensen. No. 892,403; July 7; Sp. p. 26; Dr. p. 8; Gaz. vol. 135; p. 8.
- Bottle and rolling-pin, Combined. E. L. Bell. No. 875,683; Jan. 7; Sp. p. 13; Dr. p. 3; Gaz. vol. 132; p. 4.
- Bottle and sealing-cap. J. M. Deemer. No. 885,734; Apr. 28; Sp. p. 4253; Dr. p. 890; Gaz. vol. 133; p. 1952.
- Bottle and stopper therefor. D. Rivas. No. 877,229; Jan. 21; Sp. p. 3192; Dr. p. 692; Gaz. vol. 132; p. 587.
- Bottle, Antifraud-. J. Kinsel. No. 901,107; Oct. 13; Sp. p. 2178; Dr. p. 442; Gaz. vol. 136; p. 1438.
- Bottle, Aseptic. J. J. Shea. No. 904,095; Nov. 17; Sp. p. 3165; Gaz. vol. 137; p. 574.
- Bottle attachment. J. J. Healy and W. J. Galvin. No. 903,716; Nov. 10; Sp. p. 2365; Gaz. vol. 137; p. 415.
- Bottle attachment. H. B. Deken. No. 907,576; Dec. 22; Sp. p. 4780; Gaz. vol. 137; p. 1872.
- Bottle-cap. C. W. Cook. No. 876,149; Jan. 7; Sp. p. 905; Dr. p. 195; Gaz. vol. 132; p. 154.
- Bottle-cap. O. Ducker. No. 881,671; Mar. 10; Sp. p. 2346; Dr. p. 508; Gaz. vol. 133; p. 422.
- Bottle-cap. E. D. Chellis. No. 882,547; Mar. 17; Sp. p. 4080; Dr. p. 867; Gaz. vol. 133; p. 735.
- Bottle-cap. H. S. Brewington. No. 895,066; Aug. 4; Sp. p. 582; Dr. p. 120; Gaz. vol. 135; p. 990.
- Bottle-cap and ticket-holder, Combination. J. Hetherington. No. 896,540; Aug. 18; Sp. p. 3517; Dr. p. 755; Gaz. vol. 135; p. 1517.
- Bottle-cap-applying machine. E. D. Schmitt. No. 880,407; Feb. 25; Sp. p. 5184; Dr. p. 1093; Gaz. vol. 132; p. 1778.
- Bottle-cap-closure. G. Koch. No. 888,621; May 26; Sp. p. 4610; Dr. p. 978; Gaz. vol. 134; p. 842.
- Bottle-cap, Combined metallic and frangible. F. T. Robinson. No. 882,912; Mar. 24; Sp. p. 4824; Dr. p. 1024; Gaz. vol. 133; p. 887.
- Bottle-cap-making machine. H. Osswald. No. 908,319; Dec. 29; Sp. p. 6384; Gaz. vol. 137; p. 2150.
- Bottle cap or closure. B. Adriance. No. 887,897; May 19; Sp. p. 3181; Dr. p. 670; Gaz. vol. 134; p. 574.
- Bottle cap or closure for bottles, jars, or other receptacles. E. Goltstein. No. 891,535; June 23; Sp. p. 4766; Dr. p. 1031; Gaz. vol. 134; p. 1912.
- Bottle cap or stopper. J. H. Rese. No. 892,086; June 30; Sp. p. 5883; Dr. p. 1266; Gaz. vol. 134; p. 2124.
- Bottle-cap pad. C. Noyes. No. 899,429; Sept. 22; Sp. p. 4300; Dr. p. 922; Gaz. vol. 136; p. 797.
- Bottle-cap remover. G. A. Brinn. No. 888,580; May 26; Sp. p. 4515; Dr. p. 957; Gaz. vol. 134; p. 827.
- Bottle-cap-removing device. C. L. Cruver. No. 890,027; June 9; Sp. p. 1663; Dr. p. 370; Gaz. vol. 134; p. 1354.
- Bottle-cap-reshaping machine. G. G. Glenn. No. 882,000; Mar. 17; Sp. p. 3170; Dr. p. 674; Gaz. vol. 133; p. 576.
- Bottle caps or stoppers, Apparatus for making. J. H. Rese. No. 892,085; June 30; Sp. p. 5880; Dr. p. 1266; Gaz. vol. 134; p. 2124.
- Bottle capper, Cased-. T. L. Valerius. No. 888,770; May 26; Sp. p. 4906; Dr. pp. 1045-6; Gaz. vol. 134; p. 888.
- Bottle-capping machine. G. Kirkegaard. No. 880,671; Mar. 3; Sp. p. 361; Dr. pp. 79-80; Gaz. vol. 133; p. 64.
- Bottle-capping machine. S. C. Bond. No. 883,127; Mar. 24; Sp. p. 5239; Dr. p. 1118; Gaz. vol. 133; p. 958.
- Bottle-capping machine. S. Wilkinson. No. 888,772; May 26; Sp. p. 4921; Dr. p. 1049; Gaz. vol. 134; p. 889.
- Bottle-capping machine. T. J. Levey. No. 894,797; July 28; Sp. p. 5000; Dr. p. 1044; Gaz. vol. 135; p. 872.
- Bottle-capping machine. W. Cooper. No. 899,861; Sept. 29; Sp. p. 5223; Dr. p. 1117; Gaz. vol. 136; p. 976.
- Bottle-capping machines, Cap-feeding mechanism for. A. Jones. No. 898,113; Sept. 8; Sp. p. 1804; Dr. p. 383; Gaz. vol. 136; p. 314.
- Bottle-carrier. C. J. Franks. No. 894,130; July 21; Sp. p. 3649; Dr. p. 752; Gaz. vol. 135; p. 635.
- Bottle-case. T. L. Valerius. No. 899,924; Sept. 29; Sp. p. 5335; Dr. p. 1140; Gaz. vol. 136; p. 994.
- Bottle case or crate. S. Becker. No. 904,829; Nov. 24; Sp. p. 4740; Gaz. vol. 137; p. 850.
- Bottle case, Sheet-metal. H. F. Stock. No. 907,912; Dec. 29; Sp. p. 5532; Gaz. vol. 137; p. 2012.
- Bottle-cleaner. G. E. McCalmont. No. 876,220; Jan. 7; Sp. p. 1046; Dr. p. 226; Gaz. vol. 132; p. 176.
- Bottle-cleaner. J. Schigelinsky. No. 882,021; Mar. 17; Sp. p. 3094; Dr. p. 659; Gaz. vol. 133; p. 564.
- Bottle-cleaning machine. A. A. Pindstoffe. No. 882,902; Mar. 24; Sp. p. 4923; Dr. p. 1044; Gaz. vol. 133; p. 905.
- Bottle-closer, Milk-. F. Buckhalter. No. 901,777; Oct. 20; Sp. p. 3605; Dr. p. 730; Gaz. vol. 136; p. 1695.
- Bottle-closure. J. W. and H. C. Downing. No. 879,529; Feb. 18; Sp. p. 3354; Dr. p. 700; Gaz. vol. 132; p. 1457.
- Bottle-closure. J. M. Cumming. No. 880,723; Mar. 3; Sp. p. 463; Dr. p. 98; Gaz. vol. 133; p. 82.
- Bottle-closure. J. Dickens. No. 881,779; Mar. 10; Sp. p. 2544; Dr. p. 547; Gaz. vol. 133; p. 454.
- Bottle-closure. H. Behr. No. 882,287; Mar. 17; Sp. p. 3604; Dr. p. 764; Gaz. vol. 133; p. 649.
- Bottle-closure. W. H. Reid. No. 882,840; Mar. 24; Sp. p. 4667; Dr. p. 993; Gaz. vol. 133; p. 863.
- Bottle-closure. A. Adelson. No. 884,257; Apr. 7; Sp. p. 1210; Dr. p. 254; Gaz. vol. 133; p. 1383.
- Bottle-closure. H. P. Roberts. No. 889,636; June 2; Sp. p. 873; Dr. p. 200; Gaz. vol. 134; p. 1200.
- Bottle-closure. C. Hammer. No. 894,633; July 28; Sp. p. 4699; Dr. p. 976; Gaz. vol. 135; p. 819.
- Bottle-closure. R. T. Hapgood and C. Rowlands. No. 895,261; Aug. 4; Sp. p. 986; Dr. p. 206; Gaz. vol. 135; p. 1057.
- Bottle-closure. J. M. Cumming. No. 896,804; Aug. 25; Sp. p. 4054; Dr. p. 873; Gaz. vol. 135; p. 1625.
- Bottle-closure. T. S. Rainey. No. 898,261; Sept. 8; Sp. p. 2081; Dr. p. 442; Gaz. vol. 136; p. 359.
- Bottle-closure. E. W. Wheelock. No. 898,615; Sept. 15; Sp. p. 2766; Dr. p. 591; Gaz. vol. 136; p. 507.
- Bottle-closure. A. Dreyer. No. 903,688; Nov. 10; Sp. p. 2317; Gaz. vol. 137; p. 406.
- Bottle-closure, Self-adjusting. H. C. Harness. No. 890,860; June 16; Sp. p. 3386; Dr. p. 742; Gaz. vol. 134; p. 1660.
- Bottle-closures, Apparatus for the manufacture of. W. H. Wheeler. No. 887,883; May 19; Sp. p. 3154; Dr. pp. 664-5; Gaz. vol. 134; p. 569.
- Bottle-closures, Making. H. S. Sheppard. No. 902,843; Nov. 3; Sp. p. 634; Gaz. vol. 137; p. 106.
- Bottle-conveyer. W. Stender. No. 878,684; Feb. 11; Sp. p. 1085; Dr. p. 348; Gaz. vol. 132; p. 1144.
- Bottle-cooler. O. Krüger. No. 905,439; Dec. 1; Sp. p. 663; Gaz. vol. 137; p. 1090.
- Bottle-corking machine. R. J. Schlosser and H. R. Fisher. No. 905,005; Nov. 24; Sp. p. 5094; Gaz. vol. 137; p. 908.
- Bottle-corking machine. F. Alexander. No. 907,672; Dec. 22; Sp. p. 5049; Gaz. vol. 137; p. 1905.
- Bottle-cover. A. A. Roberts. No. 896,156; Aug. 18; Sp. p. 2728; Dr. p. 588; Gaz. vol. 135; p. 1390.
- Bottle-covering machine. W. P. Catlin. No. 903,671; Nov. 10; Sp. p. 2280; Gaz. vol. 137; p. 402.
- Bottle, Drenching-. S. A. Meddaugh. No. 893,183; July 14; Sp. p. 1617; Dr. p. 341; Gaz. vol. 135; p. 293.
- Bottle, Drenching-. M. Livingston. No. 907,554; Dec. 22; Sp. p. 4171; Gaz. vol. 137; p. 1767.
- Bottle, Dropper-. G. A. Hamman. No. 893,843; July 21; Sp. p. 3067; Dr. p. 626; Gaz. vol. 135; p. 541.
- Bottle-drying machine. E. Utard and A. Gimonet. No. 901,757; Oct. 20; Sp. p. 3561; Dr. pp. 721-2; Gaz. vol. 136; p. 1689.
- Bottle-fastener, Lock. M. D. Ransom. No. 896,938; Aug. 25; Sp. p. 4354; Dr. p. 933; Gaz. vol. 135; p. 1676.
- Bottle-filler. T. L. Valerius. No. 883,769; May 26; Sp. p. 4903; Dr. p. 1045; Gaz. vol. 134; p. 888.
- Bottle filling and closing machine. J. Decerier. No. 898,563; Sept. 15; Sp. p. 2672; Dr. p. 571; Gaz. vol. 136; p. 490.
- Bottle filling and closure device. S. B. Goff. No. 898,458; Sept. 15; Sp. p. 2463; Dr. pp. 526-7; Gaz. vol. 136; p. 456.
- Bottle-filling apparatus. D. J. Davis. No. 879,133; Feb. 11; Sp. p. 2554; Dr. pp. 531-2; Gaz. vol. 132; p. 1285.
- Bottle-filling apparatus, Revolving. A. A. Pindstoffe. No. 895,191; Aug. 4; Sp. p. 826; Dr. p. 174; Gaz. vol. 135; p. 1032.
- Bottle-filling machine. L. Strebel. No. 882,849; Mar. 24; Sp. p. 4694; Dr. pp. 998-9; Gaz. vol. 133; p. 867.
- Bottle-filling machine. C. L. Bastian. No. 888,577; May 26; Sp. p. 4512; Dr. p. 956; Gaz. vol. 134; p. 826.
- Bottle-filling machine. L. P. Williams and J. M. Falls. No. 892,483; July 7; Sp. p. 177; Dr. pp. 37-8; Gaz. vol. 135; p. 35.
- Bottle-filling machine. A. T. Collins. No. 906,108; Dec. 8; Sp. p. 1963; Gaz. vol. 137; p. 1335.
- Bottle for case goods. C. M. Berry. No. 881,293; Mar. 10; Sp. p. 1609; Dr. p. 344; Gaz. vol. 133; p. 300.
- Bottle, Fraud-detecting. F. H. Waterman. No. 883,844; Apr. 7; Sp. p. 353; Dr. p. 68; Gaz. vol. 133; p. 1247.
- Bottle-handling apparatus. H. J. Chilton. No. 885,912; Apr. 28; Sp. p. 4903; Dr. pp. 465-6; Gaz. vol. 133; p. 2010.
- Bottle-holder. S. Svenson. No. 877,807; Jan. 28; Sp. p. 4308; Dr. p. 935; Gaz. vol. 132; p. 792.
- Bottle-holder. A. C. E. Erichsen. No. 883,395; Mar. 31; Sp. p. 5815; Dr. p. 1240; Gaz. vol. 133; p. 1075.
- Bottle-holder. K. Bode. No. 884,355; Apr. 14; Sp. p. 1393; Dr. p. 298; Gaz. vol. 133; p. 1442.
- Bottle-holder. R. R. Kintz. No. 890,284; June 9; Sp. p. 2216; Dr. p. 487; Gaz. vol. 134; p. 1439.
- Bottle-holder. A. E. Zumstein and H. R. Schmidt. No. 907,551; Dec. 22; Sp. p. 4733; Gaz. vol. 137; p. 1865.
- Bottle holder and rack. I. J. True. No. 885,806; Apr. 28; Sp. p. 4406; Dr. p. 923; Gaz. vol. 133; p. 1975.
- Bottle holder, Ink-. W. S. Paulson. No. 878,233; Feb. 4; Sp. p. 696; Dr. p. 144; Gaz. vol. 132; p. 959.
- Bottle holder, Nursing-. M. L. Surprenant. No. 886,270; Apr. 28; Sp. p. 5323; Dr. p. 1120; Gaz. vol. 133; p. 2129.
- Bottleholder, Nursing-. W. R. Turner. No. 897,034; Aug. 25; Sp. p. 4571; Dr. p. 975; Gaz. vol. 135; p. 1702.
- Bottle, Hot-water. T. Cantwell. No. 879,516; Feb. 18; Sp. p. 3337; Dr. pp. 696-7; Gaz. vol. 132; p. 1453.
- Bottle, Indicating-. W. C. Schmidt. No. 883,672; Mar. 31; Sp. p. 6374; Dr. p. 1359; Gaz. vol. 133; p. 1162.
- Bottle, Indicating-. W. C. Schmidt. No. 891,956; June 30; Sp. p. 5662; Dr. p. 1219; Gaz. vol. 134; p. 2083.
- Bottle, lamp, and cup, Portable combination. E. Gerbrecht and J. C. Kruttl. No. 896,719; Aug. 25; Sp. p. 3857; Dr. p. 834; Gaz. vol. 135; p. 1595.
- Bottle-lifter. W. P. Catlin. No. 903,670; Nov. 10; Sp. p. 2279; Gaz. vol. 137; p. 401.
- Bottle-locking device, Milk-. F. Johnson. No. 898,222; Sept. 8; Sp. p. 2023; Dr. p. 428; Gaz. vol. 136; p. 348.
- Bottle-molding means, Hot-water-. T. M. Gregory. No. 901,093; Oct. 13; Sp. p. 2153; Dr. pp. 439-40; Gaz. vol. 136; p. 1434.
- Bottle-neck and attachment therefor. D. S. Haynes. No. 889,682; June 2; Sp. p. 971; Dr. p. 224; Gaz. vol. 134; p. 1215.

Alphabetical list of inventions—Continued.

- Bottle-neck and closure therefor. A. McCambridge. No. 898,769; Sept. 15; Sp. p. 3063; Dr. p. 656; Gaz. vol. 136; p. 556.
- Bottle, Non-refillable. F. Lesser. No. 875,937; Jan. 7; Sp. p. 476; Dr. p. 103; Gaz. vol. 132; p. 86.
- Bottle, Non-refillable. G. V. Doherty. No. 875,987; Jan. 7; Sp. p. 589; Dr. p. 126; Gaz. vol. 132; p. 102.
- Bottle, Non-refillable. W. T. Loughin. No. 876,205; Jan. 7; Sp. p. 1005; Dr. p. 218; Gaz. vol. 132; p. 171.
- Bottle, Non-refillable. M. A. Brown. No. 876,259; Jan. 7; Sp. p. 1112; Dr. p. 241; Gaz. vol. 132; p. 188.
- Bottle, Non-refillable. M. A. Brown. No. 876,260; Jan. 7; Sp. p. 1114; Dr. p. 241; Gaz. vol. 132; p. 188.
- Bottle, Non-refillable. G. Martin. No. 876,468; Jan. 14; Sp. p. 1579; Dr. p. 339; Gaz. vol. 132; p. 289.
- Bottle, Non-refillable. C. H. Hauptle and J. J. Scheuerer. No. 876,961; Jan. 21; Sp. p. 2622; Dr. p. 570; Gaz. vol. 132; p. 494.
- Bottle, Non-refillable. J. E. Lepage. No. 876,981; Jan. 21; Sp. p. 2656; Dr. p. 577; Gaz. vol. 132; p. 501.
- Bottle, Non-refillable. S. M. Spryszynski. No. 877,249; Jan. 21; Sp. p. 3233; Dr. p. 700; Gaz. vol. 132; p. 593.
- Bottle, Non-refillable. J. R. Smith. No. 877,674; Jan. 28; Sp. p. 4086; Dr. p. 884; Gaz. vol. 132; p. 751.
- Bottle, Non-refillable. J. A. Southwell. No. 877,677; Jan. 28; Sp. p. 4090; Dr. p. 885; Gaz. vol. 132; p. 752.
- Bottle, Non-refillable. M. W. Pitner. No. 879,000; Feb. 11; Sp. p. 2288; Dr. p. 478; Gaz. vol. 132; p. 1244.
- Bottle, Non-refillable. E. Gibson. No. 880,787; Mar. 3; Sp. p. 601; Dr. p. 128; Gaz. vol. 133; p. 104.
- Bottle, Non-refillable. C. D. Collison. No. 881,551; Mar. 10; Sp. p. 2099; Dr. p. 459; Gaz. vol. 133; p. 382.
- Bottle, Non-refillable. A. Huber. No. 881,801; Mar. 10; Sp. p. 2594; Dr. p. 557; Gaz. vol. 133; p. 462.
- Bottle, Non-refillable. J. Meyer. No. 881,817; Mar. 10; Sp. p. 2624; Dr. p. 563; Gaz. vol. 133; p. 468.
- Bottle, Non-refillable. M. Perez. No. 881,946; Mar. 17; Sp. p. 2926; Dr. p. 624; Gaz. vol. 133; p. 540.
- Bottle, Non-refillable. L. Röd. No. 881,959; Mar. 17; Sp. p. 2955; Dr. p. 629; Gaz. vol. 133; p. 544.
- Bottle, Non-refillable. H. L. Baldwin. No. 881,995; Mar. 17; Sp. p. 3034; Dr. pp. 645-6; Gaz. vol. 133; p. 555.
- Bottle, Non-refillable. J. F. Arkenberg. No. 883,609; Mar. 31; Sp. p. 6238; Dr. p. 1331; Gaz. vol. 133; p. 1142.
- Bottle, Non-refillable. A. J. Grabel. No. 884,147; Apr. 7; Sp. p. 1014; Dr. p. 212; Gaz. vol. 133; p. 1347.
- Bottle, Non-refillable. L. C. Furcolo. No. 885,035; Apr. 21; Sp. p. 2799; Dr. p. 592; Gaz. vol. 133; p. 1697.
- Bottle, Non-refillable. A. Bennett. No. 885,425; Apr. 21; Sp. p. 3615; Dr. p. 758; Gaz. vol. 133; p. 1825.
- Bottle, Non-refillable. J. B. Ogle and W. E. Barrie. No. 885,640; Apr. 21; Sp. p. 4055; Dr. p. 847; Gaz. vol. 133; p. 1890.
- Bottle, Non-refillable. J. F. Hedge. No. 886,803; May 5; Sp. p. 968; Dr. p. 203; Gaz. vol. 134; p. 157.
- Bottle, Non-refillable. F. L. O. Wadsworth. No. 888,132; May 19; Sp. p. 3622; Dr. p. 759; Gaz. vol. 134; p. 648.
- Bottle, Non-refillable. O. Hachman. No. 888,891; May 26; Sp. p. 5195; Dr. p. 1102; Gaz. vol. 134; p. 930.
- Bottle, Non-refillable. H. W. E. Josing. No. 888,907; May 26; Sp. p. 5229; Dr. p. 1109; Gaz. vol. 134; p. 935.
- Bottle, Non-refillable. R. Eichmüller. No. 890,416; June 9; Sp. p. 2464; Dr. p. 545; Gaz. vol. 134; p. 1481.
- Bottle, Non-refillable. L. H. Cortright. No. 890,610; June 16; Sp. p. 2862; Dr. p. 630; Gaz. vol. 134; p. 1577.
- Bottle, Non-refillable. H. F. Erifman, Sr. No. 891,052; June 16; Sp. p. 3791; Dr. p. 827; Gaz. vol. 134; p. 1723.
- Bottle, Non-refillable. M. Schwarz. No. 891,105; June 16; Sp. p. 3872; Dr. p. 846; Gaz. vol. 134; p. 1738.
- Bottle, Non-refillable. W. Winters. No. 891,319; June 23; Sp. p. 4324; Dr. p. 943; Gaz. vol. 134; p. 1841.
- Bottle, Non-refillable. R. A. Little. No. 891,491; June 23; Sp. p. 4676; Dr. p. 1013; Gaz. vol. 134; p. 1898.
- Bottle, Non-refillable. A. W. Hagstrom. No. 891,772; June 23; Sp. p. 5253; Dr. p. 1138; Gaz. vol. 134; p. 1982.
- Bottle, Non-refillable. C. C. Guernsey. No. 892,252; June 30; Sp. p. 6212; Dr. p. 1338; Gaz. vol. 134; p. 2180.
- Bottle, Non-refillable. C. B. Davis. No. 892,939; July 7; Sp. p. 1110; Dr. p. 233; Gaz. vol. 135; p. 184.
- Bottle, Non-refillable. C. Englert. No. 893,154; July 14; Sp. p. 1563; Dr. p. 330; Gaz. vol. 135; p. 284.
- Bottle, Non-refillable. V. Sandberg. No. 893,380; July 14; Sp. p. 1982; Dr. p. 416; Gaz. vol. 135; p. 357.
- Bottle, Non-refillable. T. M. Kean. No. 893,514; July 14; Sp. p. 2290; Dr. p. 480; Gaz. vol. 135; p. 401.
- Bottle, Non-refillable. J. H. Quinn. No. 893,651; July 21; Sp. p. 2595; Dr. p. 541; Gaz. vol. 135; p. 476.
- Bottle, Non-refillable. H. Nater. No. 893,862; July 21; Sp. p. 3103; Dr. p. 635; Gaz. vol. 135; p. 546.
- Bottle, Non-refillable. H. L. Mitchell. No. 894,222; July 28; Sp. p. 3860; Dr. p. 799; Gaz. vol. 135; p. 685.
- Bottle, Non-refillable. U. A. Newnom. No. 895,886; Aug. 11; Sp. p. 2224; Dr. p. 474; Gaz. vol. 135; p. 1283.
- Bottle, Non-refillable. M. Ecker. No. 897,070; Aug. 25; Sp. p. 4641; Dr. p. 988; Gaz. vol. 135; p. 1715.
- Bottle, Non-refillable. P. F. Schmidt. No. 897,934; Sept. 8; Sp. p. 1436; Dr. p. 307; Gaz. vol. 136; p. 257.
- Bottle, Non-refillable. J. W. Butler. No. 898,090; Sept. 8; Sp. p. 1751; Dr. p. 373; Gaz. vol. 136; p. 307.
- Bottle, Non-refillable. H. Nater. No. 903,398; Nov. 10; Sp. p. 1712; Gaz. vol. 137; p. 313.
- Bottle, Non-refillable. J. H. Richard. No. 903,504; Nov. 10; Sp. p. 1939; Gaz. vol. 137; p. 349.
- Bottle, Non-refillable. J. Dickson. No. 908,214; Dec. 29; Sp. p. 6189; Gaz. vol. 137; p. 2115.
- Bottle, Non-refillable. H. Lowenstein. No. 908,289; Dec. 29; Sp. p. 6318; Gaz. vol. 137; p. 2139.
- Bottle, Nursing-. C. W. Fox. No. 898,975; Sept. 15; Sp. p. 3427; Dr. p. 736; Gaz. vol. 136; p. 624.
- Bottle-opener. F. C. Emrick and J. K. Baer. No. 885,028; Apr. 21; Sp. p. 2784; Dr. p. 590; Gaz. vol. 133; p. 1695.
- Bottle-opener. A. A. Busch. No. 900,480; Oct. 6; Sp. p. 870; Dr. p. 178; Gaz. vol. 136; p. 1208.
- Bottle or container. H. D. Thatcher. No. 891,877; June 30; Sp. p. 5490; Dr. p. 1186; Gaz. vol. 134; p. 2058.
- Bottle or container. H. D. Thatcher. No. 891,879; June 30; Sp. p. 5493; Dr. p. 1187; Gaz. vol. 134; p. 2059.
- Bottle or jar closure. C. J. Lundquist. No. 886,619; May 5; Sp. p. 548; Dr. p. 116; Gaz. vol. 134; p. 97.
- Bottle or other receptacle and stopper or cover for such receptacles. H. Marles. No. 904,705; Nov. 24; Sp. p. 4459; Gaz. vol. 137; p. 808.
- Bottle or receptacle for liquids for medical and other uses. F. Strauss. No. 895,812; Aug. 11; Sp. p. 2086; Dr. p. 442; Gaz. vol. 135; p. 1259.
- Bottle-packing. B. Kochs. No. 886,818; May 5; Sp. p. 988; Dr. p. 207; Gaz. vol. 134; p. 161.
- Bottle-packing. R. A. Badger. No. 903,827; Nov. 17; Sp. p. 2604; Gaz. vol. 137; p. 483.
- Bottle, Paste-. A. G. Baker. No. 881,889; Mar. 17; Sp. p. 2815; Dr. p. 600; Gaz. vol. 133; p. 521.
- Bottle, Poison-warning. T. Newman. No. 889,394; June 2; Sp. p. 412; Dr. p. 97; Gaz. vol. 134; p. 1123.
- Bottle, Protected. B. C. Wickes. No. 891,892; June 30; Sp. p. 5516; Dr. p. 1191; Gaz. vol. 134; p. 2063.
- Bottle-rack. R. B. Colter. No. 899,384; Sept. 22; Sp. p. 4220; Dr. p. 903; Gaz. vol. 136; p. 783.
- Bottle receiving and handling device. T. F. Lamb. No. 892,433; July 7; Sp. p. 79; Dr. p. 19; Gaz. vol. 135; p. 18.
- Bottle receptacle, Folding milk-. W. S. Weaver. No. 882,854; Mar. 24; Sp. p. 4706; Dr. p. 1000; Gaz. vol. 133; p. 868.
- Bottle-retaining device for ice-boxes. N. B. Haskins. No. 894,736; July 28; Sp. p. 4888; Dr. p. 1017; Gaz. vol. 135; p. 853.
- Bottle-seal-seat-applying device. D. Genese. No. 907,489; Dec. 22; Sp. p. 4631; Gaz. vol. 137; p. 1846.
- Bottle-sealing machine. A. L. Weissenthanner. No. 894,864; Aug. 4; Sp. p. 120; Dr. pp. 26-8; Gaz. vol. 135; p. 921.
- Bottle-sealing machine. A. L. Weissenthanner. No. 907,205; Dec. 22; Sp. p. 4049; Gaz. vol. 137; p. 1748.
- Bottle, Siphon-. D. Landau. No. 881,420; Mar. 10; Sp. p. 1851; Dr. p. 402; Gaz. vol. 133; p. 339.
- Bottle, Siphon-. M. Levin. No. 887,667; May 12; Sp. p. 2707; Dr. p. 572; Gaz. vol. 134; p. 466.
- Bottle-soaking machine. G. J. Arnold. No. 899,017; Sept. 22; Sp. p. 3518; Dr. p. 753; Gaz. vol. 136; p. 665.
- Bottle-stopper. J. S. Alston. No. 878,175; Feb. 4; Sp. p. 597; Dr. p. 123; Gaz. vol. 132; p. 942.
- Bottle-stopper. M. Anderson, Jr. No. 879,024; Feb. 11; Sp. p. 2324; Dr. p. 486; Gaz. vol. 132; p. 1251.
- Bottle-stopper. M. Schwind. No. 880,331; Feb. 25; Sp. p. 5026; Dr. p. 1060; Gaz. vol. 132; p. 1753.
- Bottle-stopper. R. Keller. No. 880,669; Mar. 3; Sp. p. 359; Dr. p. 79; Gaz. vol. 133; p. 63.
- Bottle-stopper. H. Tueckmantel. No. 883,259; Mar. 31; Sp. p. 5524; Dr. p. 1178; Gaz. vol. 133; p. 1032.
- Bottle-stopper. O. Frocheur. No. 883,533; Mar. 31; Sp. p. 6098; Dr. p. 1297; Gaz. vol. 133; p. 1119.
- Bottle-stopper. G. Kirkegaard and F. Jensen. No. 883,544; Mar. 31; Sp. p. 6130; Dr. p. 1303; Gaz. vol. 133; p. 1123.
- Bottle-stopper. H. C. A. Lütge. No. 883,657; Mar. 31; Sp. p. 6346; Dr. p. 1352; Gaz. vol. 133; p. 1158.
- Bottle-stopper. W. B. Reilly. No. 887,229; May 12; Sp. p. 1779; Dr. p. 374; Gaz. vol. 134; p. 320.
- Bottle-stopper. L. S. Flatau. No. 887,619; May 12; Sp. p. 2607; Dr. p. 550; Gaz. vol. 134; p. 450.
- Bottle-stopper. G. S. Griner. No. 889,003; May 26; Sp. p. 5405; Dr. p. 1148; Gaz. vol. 134; p. 965.
- Bottle-stopper. G. Kirkegaard. No. 889,137; May 26; Sp. p. 5672; Dr. p. 1200; Gaz. vol. 134; p. 1007.
- Bottle-stopper. G. Kirkegaard. No. 890,141; June 9; Sp. p. 1894; Dr. p. 420; Gaz. vol. 134; p. 1392.
- Bottle-stopper. F. J. Farner. No. 890,506; June 9; Sp. p. 2630; Dr. p. 582; Gaz. vol. 134; p. 1509.
- Bottle-stopper. A. E. Mardorf. No. 890,523; June 9; Sp. p. 2660; Dr. p. 587; Gaz. vol. 134; p. 1514.
- Bottle-stopper. G. Kirkegaard. No. 890,910; June 16; Sp. p. 3484; Dr. p. 764; Gaz. vol. 134; p. 1675.
- Bottle-stopper. E. H. Speece. No. 891,109; June 16; Sp. p. 3881; Dr. p. 849; Gaz. vol. 134; p. 1740.
- Bottle-stopper. J. J. White. No. 892,343; June 30; Sp. p. 6384; Dr. p. 1377; Gaz. vol. 134; p. 2210.
- Bottle-stopper. G. Kirkegaard. No. 897,542; Sept. 1; Sp. p. 624; Dr. p. 129; Gaz. vol. 136; p. 98.
- Bottle-stopper. T. B. Haistad. No. 898,359; Sept. 8; Sp. p. 2252; Dr. pp. 479-80; Gaz. vol. 136; p. 390.
- Bottle-stopper. C. E. Dougherty. No. 898,564; Sept. 15; Sp. p. 2673; Dr. p. 571; Gaz. vol. 136; p. 490.
- Bottle-stopper. G. Kirkegaard. No. 899,737; Sept. 29; Sp. p. 4938; Dr. p. 1059; Gaz. vol. 136; p. 933.
- Bottle-stopper. J. H. Smith. No. 900,223; Oct. 6; Sp. p. 310; Dr. p. 63; Gaz. vol. 136; p. 1123.
- Bottle-stopper. R. M. Cauffman and W. Best. No. 905,286; Dec. 1; Sp. p. 314; Gaz. vol. 137; p. 1038.
- Bottle-stopper. C. A. Hunt, Jr. No. 905,431; Dec. 1; Sp. p. 648; Gaz. vol. 137; p. 1087.
- Bottle-stopper. A. Hall. No. 907,145; Dec. 22; Sp. p. 3923; Gaz. vol. 137; p. 1729.
- Bottle-stopper handle. D. B. Sanford. No. 875,956; Jan. 7; Sp. p. 524; Dr. p. 112; Gaz. vol. 132; p. 92.

Alphabetical list of inventions—Continued.

- Bottle-stopper holder, Detachable. B. D. Thompson. No. 883,590; Mar. 31; Sp. p. 6207; Dr. p. 1323; Gaz. vol. 133; p. 1136.
 Bottle stopper, Non-refillable. F. S. Barnes. No. 890,399; June 9; Sp. p. 2430; Dr. p. 537; Gaz. vol. 134; p. 1475.
 Bottle-stopper, Non-refillable. J. F. Fitzgerald. No. 903,693; Nov. 10; Sp. p. 2323; Gaz. vol. 137; p. 408.
 Bottle-stopper rubbers, Apparatus for applying. E. Harding. No. 893,624; July 21; Sp. p. 2535; Dr. p. 528; Gaz. vol. 135; p. 407.
 Bottle stopper, Water-. H. P. Kraft and M. C. Schweinert. No. 876,002; Jan. 7; Sp. p. 610; Dr. p. 131; Gaz. vol. 132; p. 107.
 Bottle stopper, Water-. M. C. Schweinert and H. P. Kraft. No. 876,101; Jan. 7; Sp. p. 809; Dr. p. 174; Gaz. vol. 132; p. 138.
 Bottle stopper, Water-. H. P. Kraft and M. C. Schweinert. No. 877,933; Feb. 4; Sp. p. 76; Dr. p. 15; Gaz. vol. 132; p. 861.
 Bottle-stoppering machine. W. S. Dorman. No. 904,763; Nov. 24; Sp. p. 4578; Gaz. vol. 137; p. 827.
 Bottle-top. A. L. Bernardin. No. 885,571; Apr. 21; Sp. p. 3920; Dr. p. 818; Gaz. vol. 133; p. 1869.
 Bottle, Vacuum-. P. O. E. Friedrich and J. G. Lyman. No. 902,528; Oct. 27; Sp. p. 5183; Dr. p. 1048; Gaz. vol. 136; p. 1970.
 Bottle-valve. J. M. Skelton. No. 885,092; Apr. 21; Sp. p. 2906; Dr. p. 616; Gaz. vol. 133; p. 1715.
 Bottle-washer. J. T. H. Paul. No. 876,657; Jan. 14; Sp. p. 2011; Dr. pp. 438-9; Gaz. vol. 132; p. 356.
 Bottle-washer. G. Failing. No. 876,706; Jan. 14; Sp. p. 2103; Dr. p. 458; Gaz. vol. 132; p. 372.
 Bottle-washer. I. Dupuis. No. 901,160; Oct. 13; Sp. p. 2265; Dr. p. 461; Gaz. vol. 136; p. 1455.
 Bottle-washing machine. J. W. Greer. No. 876,798; Jan. 14; Sp. p. 2249; Dr. p. 495; Gaz. vol. 132; p. 399.
 Bottle-washing machine. W. J. Cunningham. No. 889,107; May 26; Sp. p. 5616; Dr. p. 1189; Gaz. vol. 134; p. 998.
 Bottle-washing machine. H. W. Van Leir. No. 895,918; Aug. 11; Sp. p. 2278; Dr. pp. 486-7; Gaz. vol. 135; p. 1293.
 Bottle-washing machine. A. S. Otto. No. 897,998; Sept. 8; Sp. p. 1569; Dr. pp. 333-5; Gaz. vol. 136; p. 278.
 Bottle-washing machine. J. F. Haller. No. 900,528; Oct. 6; Sp. p. 983; Dr. p. 200; Gaz. vol. 136; p. 1223.
 Bottle-washing machine, Cased-. T. L. Valerius. No. 899,927; Sept. 29; Sp. p. 5343; Dr. pp. 1141-2; Gaz. vol. 136; p. 995.
 Bottle-washing-machine spindle. E. Court. No. 905,149; Dec. 1; Sp. p. 48; Gaz. vol. 137; p. 991.
 Bottle-washing machines, Bottle-holding attachment for. P. Boch. No. 893,975; July 21; Sp. p. 3336; Dr. p. 683; Gaz. vol. 135; p. 583.
 Bottle with adjustable discharger. P. Rosenkaimer. No. 897,156; Aug. 25; Sp. p. 4803; Dr. p. 1022; Gaz. vol. 135; p. 1742.
 Bottle, Water-. R. S. Blair. No. 877,396; Jan. 21; Sp. p. 3503; Dr. p. 760; Gaz. vol. 132; p. 638.
 Bottle-wrapper. W. D. Legge and L. N. Weil. No. 876,365; Jan. 14; Sp. p. 1349; Dr. p. 293; Gaz. vol. 132; p. 255.
 Bottle-wrapper machine. W. D. Legge. No. 876,364; Jan. 14; Sp. p. 1344; Dr. pp. 292-3; Gaz. vol. 132; p. 254.
 Bottles and glasses, Wire lever-lock for. R. Veeck. No. 887,293; May 12; Sp. p. 1953; Dr. p. 410; Gaz. vol. 134; p. 343.
 Bottles and like containers, Handle for. B. F. Vogt. No. 896,673; Aug. 18; Sp. p. 3750; Dr. p. 808; Gaz. vol. 135; p. 1557.
 Bottles and other receptacles, Closure for. A. Gilliard. No. 888,234; May 19; Sp. p. 3807; Dr. p. 799; Gaz. vol. 134; p. 681.
 Bottles and other receptacles, Stopper for. L. Ganucci-Cancellieri and A. Cappelletti. No. 885,743; Apr. 28; Sp. p. 4272; Dr. p. 894; Gaz. vol. 133; p. 1954.
 Bottles and the like, Machine for making closures for. W. Painter. No. 887,838; May 19; Sp. p. 3060; Dr. pp. 643-4; Gaz. vol. 134; p. 553.
 Bottles and the like, Stopper or closure for. P. Conrad. No. 889,872; June 2; Sp. p. 1329; Dr. p. 303; Gaz. vol. 134; p. 1276.
 Bottles, Brush for washing. C. K. Volckening. No. 906,836; Dec. 15; Sp. p. 3321; Gaz. vol. 137; p. 1595.
 Bottles, &c., Capsule for. F. Jebson. No. 907,808; Dec. 29; Sp. p. 5324; Gaz. vol. 137; p. 1980.
 Bottles, Cutter for metallic capsules on. H. Klepper. No. 896,303; Aug. 18; Sp. p. 3031; Dr. p. 652; Gaz. vol. 135; p. 1440.
 Bottles, Effecting the closure of. C. R. Schmidt. No. 901,651; Oct. 20; Sp. p. 3309; Dr. p. 680; Gaz. vol. 136; p. 1652.
 Bottles, Glass-holding attachment for. W. K. Hopkins. No. 882,836; Mar. 24; Sp. p. 4267; Dr. p. 904; Gaz. vol. 133; p. 798.
 Bottles, jars, and other receptacles, Closing device for air-tight. C. H. Gray. No. 884,378; Apr. 14; Sp. p. 1446; Dr. p. 308; Gaz. vol. 133; p. 1452.
 Bottles, jars, and similar receptacles, Closure for. J. B. Larkin. No. 896,304; Aug. 18; Sp. p. 3033; Dr. p. 652; Gaz. vol. 135; p. 1440.
 Bottles, jars, or like receptacles, Cap or closure for. C. Hammer. No. 906,875; Dec. 15; Sp. p. 3401; Gaz. vol. 137; p. 1606.
 Bottles, Machine for making blanks for narrow-necked. F. J. Mackin. No. 893,180; July 14; Sp. p. 1602; Dr. p. 340; Gaz. vol. 135; p. 292.
 Bottles, &c., Machine for wiring. C. A. V. Hällgren. No. 905,696; Dec. 1; Sp. p. 1154; Gaz. vol. 137; p. 1171.
 Bottles or glass receptacles, Covering. W. P. Catlin. No. 903,669; Nov. 10; Sp. p. 2279; Gaz. vol. 137; p. 401.
 Bottles or other vessels, Means for emptying. O. A. Elias. No. 879,951; Feb. 25; Sp. p. 4277; Dr. p. 894; Gaz. vol. 132; p. 1628.
 Bottles or other vessels, Stoppering. E. A. Matthias. No. 900,110; Oct. 6; Sp. p. 80; Dr. p. 16; Gaz. vol. 136; p. 1087.
 Bottles or similar vessels, Stopper for. T. B. Swahn. No. 905,385; Dec. 1; Sp. p. 512; Gaz. vol. 137; p. 1071.
 Bottles or the like, Cap for atomizer-. T. A. De Vilbiss. No. 898,845; Sept. 15; Sp. p. 3198; Dr. p. 685; Gaz. vol. 136; p. 581.
 Bottles or vessels, Closure, fitting, and case for ink and like. J. F. Fitzsimmons. No. 899,015; Sept. 15; Sp. p. 3510; Dr. p. 751; Gaz. vol. 136; p. 636.
 Bottling apparatus. A. A. Pindstoffe. No. 885,785; Apr. 28; Sp. p. 4357; Dr. p. 914; Gaz. vol. 133; p. 1968.
 Bottling-machine. L. Jensen. No. 883,959; Apr. 7; Sp. p. 594; Dr. p. 118; Gaz. vol. 133; p. 1286.
 Bottling-machine, Beer-. J. G. Hehr and C. Weber. No. 895,266; Aug. 4; Sp. p. 996; Dr. pp. 208-9; Gaz. vol. 135; p. 1058.
 Bottling-machine crown arranging and presenting device. H. A. Allwardt. No. 908,059; Dec. 29; Sp. p. 5835; Gaz. vol. 137; p. 2061.
 Bouquet-holder. F. Mawhinney. No. 875,719; Jan. 7; Sp. p. 81; Dr. p. 17; Gaz. vol. 132; p. 18.
 Bow-instrument attachment. J. Y. Brown. No. 881,769; Mar. 10; Sp. p. 2529; Dr. p. 544; Gaz. vol. 133; p. 451.
 Bow-tie, Detachable. A. Swanson. No. 896,869; Aug. 25; Sp. p. 4191; Dr. p. 898; Gaz. vol. 135; p. 1647.
 Bowling-alley. W. W. Vearing. No. 882,851; Mar. 24; Sp. p. 4702; Dr. p. 999; Gaz. vol. 133; p. 868.
 Bowling-alley. C. B. Brennenman. No. 904,400; Nov. 17; Sp. p. 3808; Gaz. vol. 137; p. 679.
 Bowling-alley ball-stop. W. W. Vearing. No. 886,556; May 5; Sp. p. 422; Dr. p. 90; Gaz. vol. 134; p. 77.
 Bowling-alley, Parlor. A. F. Schupinsky, Jr. No. 880,696; Mar. 3; Sp. p. 402; Dr. p. 87; Gaz. vol. 133; p. 72.
 Bowling-alley, Parlor. C. A. Longwell. No. 899,115; Sept. 22; Sp. p. 3691; Dr. p. 791; Gaz. vol. 136; p. 697.
 Bowling-alley pin-setting apparatus. J. E. Kilburn. No. 882,008; Mar. 17; Sp. p. 3065; Dr. p. 651; Gaz. vol. 133; p. 560.
 Bowling-alleys, Pin-spotting device for. W. Josephy. No. 887,399; May 12; Sp. p. 2196; Dr. p. 459; Gaz. vol. 134; p. 379.
 Bowling-ball and handle. F. J. McGuane. No. 884,991; Apr. 14; Sp. p. 2698; Dr. p. 572; Gaz. vol. 133; p. 1649.
 Bowling-pin-truing device. T. Small. No. 897,937; Sept. 8; Sp. p. 1441; Dr. p. 308; Gaz. vol. 136; p. 258.
 Bowling score-board. M. J. Harwood. No. 892,153; June 30; Sp. p. 6027; Dr. p. 1295; Gaz. vol. 134; p. 2147.
 Bowsprit-chock. C. D. Durkee. No. 894,427; July 28; Sp. p. 4300; Dr. p. 887; Gaz. vol. 135; p. 753.
 Box: See Adjustable box; Annealing-box; Antifraud-box; Automatically-locking box; Axle-box; Ballot-box; Bar-counter box; Berry-box; Bidding-box; Buggy-box; Burglar-alarm box; Burial-casket rough box; Call-box; Car-box; Car sand-box; Cardboard box; Cash-box; Cigar-box; Cigarette-box; Closing box; Coin-controlled box; Collapsible box; Collar and button box; Conduit-box; Confectioner's box; Cooling-box; Core-box; Cracker-box; Cut-out box; Deposit-box; Dispensing-box; Display-box; Drying-box; Dumping-box; Electric-installation molding-box; Electric outlet-box; Electric-wire outlet-box; Engine stuffing-box; Expression-box; Fare-box; Feed-box; Filling-box; Fire-alarm box; Floor-box; Flower-box; Fly, hook, and leader box; Foldable box; Folded-blank box; Folding box; Frog-box; Fruit-box; Fruit-packing box; Furnace-charging box; Fuse-box; Gill-box; Glass box; Graphophone-box; Hat-box; Hub-box; Irrigation-gate box; Journal-box; Journal or outlet box; Junction-box; Knockdown box; Letter-box; Light-box; Lunch-box; Mail-box; Match-box; Metal-bound box; Miter-box; Miter shipping-box; Molding-box; Music-box; Outlet-box; Package-box; Packing-box; Packing or shipping box; Panel-box; Paper box; Paper-beater packing-box; Paper-bound box; Paper or cardboard box; Paper-pulp-screen box; Paste-box; Pasteboard box; Patrol-box; Pencil-box; Photographic-print box; Pin-box; Plant-box; Pocket-box; Press-box; Purifier-box; Refrigerator-box; Sand-box; Sectional box; Service-box; Shaft or journal box; Sheet-metal box; Shipping-box; Shipping and display box; Shut-off box; Sifter-box; Signal-box; Slip-box; Sluice-box; Sound-box; Spring-lid box; Stamp-mill mortar-box; Sticking-plaster box; Stuffing-box; Switch-box; Talking-machine box; Talking-machine sound-box; Telephone coin-box; Telephone toll-box; Tobacco-box; Toll-collecting box; Tote box; Valve stuffing-box; Vehicle-box; Wagon-box; Wire-bound box; Work-box.
 Box. H. Sametz. No. 875,741; Jan. 7; Sp. p. 125; Dr. p. 28; Gaz. vol. 132; p. 25.
 Box. A. S. Ray. No. 878,896; Feb. 11; Sp. p. 2102; Dr. p. 437; Gaz. vol. 132; p. 1212.
 Box. S. J. Stuker. No. 879,337; Feb. 18; Sp. p. 2948; Dr. p. 615; Gaz. vol. 132; p. 1394.
 Box. W. Stewart. No. 883,757; Apr. 7; Sp. p. 153; Dr. p. 27; Gaz. vol. 133; p. 1218.
 Box. H. P. Roberts. No. 886,250; Apr. 28; Sp. p. 5280; Dr. pp. 1112-13; Gaz. vol. 133; p. 2121.
 Box. E. E. Flora. No. 892,146; June 30; Sp. p. 6014; Dr. p. 1292; Gaz. vol. 134; p. 2144.
 Box. W. J. Paton. No. 892,299; June 30; Sp. p. 6305; Dr. p. 1358; Gaz. vol. 134; p. 2197.
 Box. J. Nutry. No. 894,456; July 28; Sp. p. 4357; Dr. p. 898; Gaz. vol. 135; p. 763.
 Box. A. B. Klein. No. 896,642; Aug. 18; Sp. p. 3692; Dr. p. 793; Gaz. vol. 135; p. 1548.
 Box. J. G. Smith. No. 896,945; Aug. 25; Sp. p. 4363; Dr. p. 935; Gaz. vol. 135; p. 1672.
 Box. G. B. Reed. No. 900,123; Oct. 6; Sp. p. 113; Dr. p. 23; Gaz. vol. 136; p. 1091.
 Box. M. H. Doyle and W. H. Schmitt. No. 902,483; Oct. 27; Sp. p. 5063; Dr. p. 1024; Gaz. vol. 136; p. 1954.
 Box. A. J. Vance. No. 902,700; Nov. 3; Sp. p. 334; Gaz. vol. 137; p. 56.
 Box. E. A. G. Bierwirth. No. 904,674; Nov. 24; Sp. p. 4395; Gaz. vol. 137; p. 798.
 Box. A. L. Brown. No. 905,145; Dec. 1; Sp. p. 35; Gaz. vol. 137; p. 990.
 Box. S. V. Wright. No. 905,398; Dec. 1; Sp. p. 536; Gaz. vol. 137; p. 1076.

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- Box. T. S. Goff. No. 905,691; Dec. 1; Sp. p. 1145; Gaz. vol. 137; p. 1169.
- Box. D. Fraser. No. 905,806; Dec. 1; Sp. p. 1368; Gaz. vol. 137; p. 1208.
- Box. A. O. Hubbard. No. 906,231; Dec. 8; Sp. p. 2199; Gaz. vol. 137; p. 1376.
- Box-adjusting mechanism, Automatic. E. McKay and B. C. Layton. No. 881,941; Mar. 17; Sp. p. 2919; Dr. p. 623; Gaz. vol. 133; p. 538.
- Box and nail fastener. J. F. Scott and A. B. Curtis. No. 898,994; Sept. 15; Sp. p. 3462; Dr. p. 742; Gaz. vol. 136; p. 630.
- Box and shipping-package. F. W. Barnes. No. 903,161; Nov. 10; Sp. p. 1247; Gaz. vol. 137; p. 236.
- Box-bearing. A. L. Christenson. No. 905,845; Dec. 8; Sp. p. 1449; Gaz. vol. 137; p. 1251.
- Box-blank. W. Fiske. No. 899,212; Sept. 22; Sp. p. 3897; Dr. p. 832; Gaz. vol. 136; p. 729.
- Box-clamping machine. J. B. Ireland. No. 902,491; Oct. 27; Sp. p. 5084; Dr. p. 1030; Gaz. vol. 136; p. 1957.
- Box connection. W. S. Brown. No. 895,423; Aug. 11; Sp. p. 1300; Dr. p. 273; Gaz. vol. 135; p. 1133.
- Box construction. F. C. Fisher. No. 893,065; July 14; Sp. p. 1379; Dr. p. 291; Gaz. vol. 135; p. 255.
- Box, &c., corner-stay. H. H. Dewey and J. F. Christian. No. 906,208; Dec. 8; Sp. p. 2143; Gaz. vol. 137; p. 1368.
- Box-cover fastener. G. Glaus. No. 884,481; Apr. 14; Sp. p. 1644; Dr. p. 353; Gaz. vol. 133; p. 1485.
- Box-cover holder. W. R. A. Bail. No. 876,514; Jan. 14; Sp. p. 1688; Dr. p. 367; Gaz. vol. 132; p. 306.
- Box-cover holder. G. W. Van Drensen. No. 887,153; May 12; Sp. p. 1608; Dr. p. 341; Gaz. vol. 134; p. 296.
- Box cover, Outlet-. G. B. McBean. No. 903,221; Nov. 10; Sp. p. 1379; Gaz. vol. 137; p. 255.
- Box-covering apparatus. J. R. Sundee. No. 879,599; Feb. 18; Sp. p. 3529; Dr. pp. 738-9; Gaz. vol. 132; p. 1479.
- Box-covering blank. P. S. Smith. No. 895,508; Aug. 11; Sp. p. 1468; Dr. p. 308; Gaz. vol. 135; p. 1161.
- Box-covering machine. M. D. Knowlton. No. 885,260; Apr. 21; Sp. p. 3278; Dr. p. 685; Gaz. vol. 133; p. 1771.
- Box-covering machine. F. R. Harris. No. 904,426; Nov. 17; Sp. p. 3865; Gaz. vol. 137; p. 687.
- Box-covering machine. F. J. Gersdorf. No. 907,028; Dec. 15; Sp. p. 3676; Gaz. vol. 137; p. 1655.
- Box ends, Machine for assembling parts of. P. L. Billingsley. No. 894,109; July 21; Sp. p. 3602; Dr. p. 742; Gaz. vol. 135; p. 628.
- Box-fastener. J. A. Haugh. No. 882,881; Mar. 24; Sp. p. 4765; Dr. p. 1013; Gaz. vol. 133; p. 877.
- Box-fastener. A. T. Kruse. No. 892,061; June 30; Sp. p. 5848; Dr. p. 1258; Gaz. vol. 134; p. 2117.
- Box-fastener. H. A. Voelkner. No. 892,471; July 7; Sp. p. 155; Dr. p. 33; Gaz. vol. 135; p. 31.
- Box-fastener. C. F. E. Meier. No. 896,653; Aug. 18; Sp. p. 3707; Dr. p. 798; Gaz. vol. 135; p. 1551.
- Box-fastener. F. Lenkey and J. Szalay. No. 897,837; Sept. 1; Sp. p. 1216; Dr. p. 259; Gaz. vol. 136; p. 193.
- Box-fastener. J. C. Merrill. No. 897,986; Sept. 8; Sp. p. 1547; Dr. p. 329; Gaz. vol. 136; p. 274.
- Box-fastener. N. A. Smith. No. 898,279; Sept. 8; Sp. p. 2110; Dr. p. 449; Gaz. vol. 136; p. 365.
- Box-fastener. A. T. Thoits and J. G. Gronberg. No. 899,084; Sept. 22; Sp. p. 3631; Dr. p. 778; Gaz. vol. 136; p. 686.
- Box-fastener. N. Dahl. No. 900,084; Oct. 6; Sp. p. 24; Dr. p. 4; Gaz. vol. 136; p. 1078.
- Box-fastener. W. G. Long and J. A. Campbell. No. 902,241; Oct. 27; Sp. p. 4535; Dr. p. 919; Gaz. vol. 136; p. 1872.
- Box-fastener. R. C. Bender. No. 903,659; Nov. 10; Sp. p. 2258; Gaz. vol. 137; p. 398.
- Box-fastener. R. C. McNutt. No. 907,085; Dec. 15; Sp. p. 3777; Gaz. vol. 137; p. 1672.
- Box-fastener, Spring-catch. G. Valentine. No. 900,241; Oct. 6; Sp. p. 344; Dr. p. 72; Gaz. vol. 136; p. 1129.
- Box-filling machine. J. W. Denmead. No. 898,337; Sept. 8; Sp. p. 2212; Dr. pp. 469-70; Gaz. vol. 136; p. 383.
- Box-filling machine. M. M. Robb. No. 906,291; Dec. 8; Sp. p. 2309; Gaz. vol. 137; p. 1397.
- Box for soap, polish, pomade, &c. H. C. Simons. No. 903,332; Nov. 10; Sp. p. 1597; Gaz. vol. 137; p. 292.
- Box for transporting potted plants. L. P. Lord. No. 880,549; Mar. 3; Sp. p. 112; Dr. pp. 25-6; Gaz. vol. 133; p. 23.
- Box-form-cutting machine. W. F. Morse. No. 891,359; June 23; Sp. p. 4406; Dr. pp. 959-60; Gaz. vol. 134; p. 1854.
- Box handle and fastener, Fuel and other. T. E. Barton. No. 884,003; Apr. 7; Sp. p. 680; Dr. p. 136; Gaz. vol. 133; p. 1300.
- Box-lid. H. E. Knaust. No. 903,581; Nov. 10; Sp. p. 2109; Gaz. vol. 137; p. 374.
- Box-lid clamp. C. J. Turner. No. 907,919; Dec. 29; Sp. p. 5543; Gaz. vol. 137; p. 2015.
- Box-lid holder. A. C. Olander. No. 891,434; June 23; Sp. p. 4557; Dr. p. 991; Gaz. vol. 134; p. 1879.
- Box-lid holder. J. Blumer. No. 892,124; June 30; Sp. p. 5966; Dr. p. 1282; Gaz. vol. 134; p. 2137.
- Box-lid holder. G. M. Link. No. 901,920; Oct. 20; Sp. p. 3859; Dr. p. 787; Gaz. vol. 136; p. 1740.
- Box lid, Journal-. A. Christianson. No. 906,613; Dec. 15; Sp. p. 2893; Gaz. vol. 137; p. 1523.
- Box-lid support. N. H. Priley. No. 882,713; Mar. 24; Sp. p. 4414; Dr. p. 938; Gaz. vol. 133; p. 823.
- Box-lid support. H. C. French. No. 905,807; Dec. 1; Sp. p. 1370; Gaz. vol. 137; p. 1208.
- Box-lifter. S. W. Gunnison. No. 895,366; Aug. 4; Sp. p. 1181; Dr. p. 248; Gaz. vol. 135; p. 1091.
- Box lock and brace, Combined. G. S. Francis, F. O. Kaste, and H. W. Gross. No. 884,377; Apr. 14; Sp. p. 1444; Dr. p. 308; Gaz. vol. 133; p. 1451.
- Box-machine. L. P. Brown. No. 899,506; Sept. 29; Sp. p. 4457; Dr. p. 957; Gaz. vol. 136; p. 859.
- Box-machine. W. H. Parker. No. 902,679; Nov. 3; Sp. p. 286; Gaz. vol. 137; p. 49.
- Box-machines, Automatic glue feeder and spreader for. E. Rothong. No. 899,621; Sept. 29; Sp. p. 4716; Dr. p. 1010; Gaz. vol. 136; p. 897.
- Box making and covering machine. W. R. Comings. No. 877,829; Jan. 23; Sp. p. 4360; Dr. pp. 947-8; Gaz. vol. 132; p. 799.
- Box-making machine. A. T. Spencer and E. C. Wykes. No. 876,106; Jan. 7; Sp. p. 821; Dr. pp. 176-7; Gaz. vol. 132; p. 140.
- Box-making machine. W. T. McKae and W. W. Canby. No. 876,485; Jan. 14; Sp. p. 1609; Dr. pp. 346-51; Gaz. vol. 132; p. 295.
- Box-making machine. E. L. Thuerbe. No. 876,506; Jan. 14; Sp. p. 1659; Dr. pp. 360-1; Gaz. vol. 132; p. 303.
- Box-making machines, Feed device for flexible. E. G. Staude. No. 906,827; Dec. 15; Sp. p. 3299; Gaz. vol. 137; p. 1592.
- Box-making, Work-holder for. W. H. Holland. No. 902,230; Oct. 27; Sp. p. 4516; Dr. p. 915; Gaz. vol. 136; p. 1869.
- Box-office, Collapsible portable. I. Fluegelman. No. 890,633; June 16; Sp. p. 2926; Dr. pp. 640-1; Gaz. vol. 134; p. 1585.
- Box-opener. S. Stewart. No. 884,301; Apr. 7; Sp. p. 1277; Dr. p. 270; Gaz. vol. 133; p. 1396.
- Box-opener. J. F. Dunn. No. 905,160; Dec. 1; Sp. p. 73; Gaz. vol. 137; p. 995.
- Box or can cover, Removable. J. Zimmermann. No. 885,682; Apr. 21; Sp. p. 4129; Dr. p. 864; Gaz. vol. 133; p. 1905.
- Box or crate. M. N. Edwards. No. 876,900; Jan. 14; Sp. p. 2464; Dr. p. 538; Gaz. vol. 132; p. 434.
- Box or crate for bottles, jars, and the like. C. M. Brandt. No. 892,126; June 30; Sp. p. 5969; Dr. p. 1283; Gaz. vol. 134; p. 2138.
- Box or tank. P. Connolly. No. 896,276; Aug. 18; Sp. p. 2959; Dr. p. 637; Gaz. vol. 135; p. 1431.
- Box-press and box-making apparatus, Combined. R. H. Bowman. No. 901,676; Oct. 20; Sp. p. 3360; Dr. pp. 688-9; Gaz. vol. 136; p. 1660.
- Box rack, Cracker and cake. C. F. Igelmann. No. 887,329; May 12; Sp. p. 2031; Dr. p. 425; Gaz. vol. 134; p. 356.
- Box-sanding machine. T. A. Palmer and C. A. Carlson. No. 901,367; Oct. 20; Sp. p. 2693; Dr. pp. 552-3; Gaz. vol. 136; p. 1558.
- Box saw-guide, Miter-. C. H. Fox. No. 905,067; Nov. 24; Sp. p. 5200; Gaz. vol. 137; p. 928.
- Box-sealing device. E. M. Clerke. No. 907,008; Dec. 15; Sp. p. 3636; Gaz. vol. 137; p. 1647.
- Box-spring. J. M. Bowers and W. R. Close. No. 888,303; May 19; Sp. p. 3942; Dr. p. 830; Gaz. vol. 134; p. 704.
- Box-strapping, Machine for making twisted-wire. R. H. Norton. No. 881,611; Mar. 10; Sp. p. 2225; Dr. pp. 484-6; Gaz. vol. 133; p. 403.
- Box top, Powder-. W. H. Perkins. No. 886,632; May 5; Sp. p. 574; Dr. p. 120; Gaz. vol. 134; p. 101.
- Box top, Powder-. W. H. Perkins. No. 888,733; May 26; Sp. p. 4827; Dr. p. 1030; Gaz. vol. 134; p. 876.
- Boxes, &c., Apparatus for wiring. H. N. Platts. No. 908,325; Dec. 29; Sp. p. 6408; Gaz. vol. 137; p. 2152.
- Boxes, crates, &c., Reinforced corner for. H. M. Amos. No. 886,462; May 5; Sp. p. 241; Dr. p. 50; Gaz. vol. 134; p. 45.
- Boxes, Gluing and folding machine for flexible. E. G. Staude. No. 890,464; June 9; Sp. p. 2541; Dr. pp. 562-3; Gaz. vol. 134; p. 1495.
- Boxes in position, Producing folds for holding the top or bottom pieces of card and paste board. T. Remus. No. 893,654; July 21; Sp. p. 2600; Dr. p. 542; Gaz. vol. 135; p. 477.
- Boxes, Machine for punching and trimming metal stay-strips for. R. B. Lewis. No. 901,358; Oct. 20; Sp. p. 2673; Dr. pp. 548-9; Gaz. vol. 136; p. 1553.
- Boxes, Machinery for use in making wire-bound. J. J. Miller. No. 878,737; Feb. 11; Sp. p. 1788; Dr. pp. 370-1; Gaz. vol. 132; p. 1160.
- Boxes, Manufacture of cardboard. R. D. Haworth. No. 884,384; Apr. 14; Sp. p. 1455; Dr. p. 310; Gaz. vol. 133; p. 1454.
- Brace: See Adjustable brace; Bicycle frame-brace; Brake-shoe brace; Buggy-box-seat brace; Buggy-top brace; Concrete-structure brace; Fence-brace; Handle-brace; Leg-brace; Pole-brace; Post-brace; Rail-brace; Rail-joint brace; Railway-brace; Railway-track brace; Ratchet-brace; Shoulder-brace; Track-brace; Trench-brace; Trunk-lid brace.
- Brace. N. H. Nelson. No. 877,110; Jan. 21; Sp. p. 2928; Dr. pp. 633-4; Gaz. vol. 132; p. 544.
- Brace. G. M. D. Heard. No. 878,205; Feb. 4; Sp. p. 648; Dr. p. 133; Gaz. vol. 132; p. 951.
- Brace. D. O. Wilkins. No. 885,819; Apr. 28; Sp. p. 4432; Dr. p. 931; Gaz. vol. 133; p. 1980.
- Brace. A. E. Smith. No. 901,395; Oct. 20; Sp. p. 2779; Dr. p. 565; Gaz. vol. 136; p. 1569.
- Brace and brace-frame, Corrective flexible. G. W. Haas. No. 887,389; May 12; Sp. p. 2170; Dr. pp. 454-5; Gaz. vol. 134; p. 375.
- Brace and brace-frame, Flexible corrective. G. W. Haas. No. 888,490; May 26; Sp. p. 4335; Dr. p. 917; Gaz. vol. 134; p. 794.
- Brace and plate. G. H. Gunvalson. No. 898,046; Sept. 8; Sp. p. 1670; Dr. p. 354; Gaz. vol. 136; p. 292.
- Bracelet. S. L. Lederer. No. 879,881; Feb. 25; Sp. p. 4114; Dr. p. 863; Gaz. vol. 132; p. 1603.
- Bracelet. H. R. Holbrook. No. 881,925; Mar. 17; Sp. p. 2883; Dr. p. 615; Gaz. vol. 133; p. 533.
- Bracelet. T. D. Giguere. No. 886,121; Apr. 28; Sp. p. 5062; Dr. p. 1062; Gaz. vol. 133; p. 2080.
- Bracelet. S. B. Kent. (Reissue). No. 12,824; July 7; Sp. p. 1171; Dr. p. 247; Gaz. vol. 135; p. 197.
- Bracelet. S. B. Kent. No. 895,866; Aug. 11; Sp. p. 2188; Dr. p. 465; Gaz. vol. 135; p. 1277.

Alphabetical list of inventions—Continued.

- Bracelet. P. L. Hansen. No. 896,988; Aug. 25; Sp. p. 4470; Dr. p. 955; Gaz. vol. 135; p. 1686.
 Bracelet. J. Bulova. No. 898,181; Sept. 8; Sp. p. 1939; Dr. p. 413; Gaz. vol. 136; p. 336.
 Bracelet. I. Emrich. No. 907,980; Dec. 29; Sp. p. 5676; Gaz. vol. 137; p. 2035.
 Bracelet and neck-chain. F. P. Barney. No. 888,057; May 19; Sp. p. 3480; Dr. p. 729; Gaz. vol. 134; p. 624.
 Bracelet-band. T. S. Bennett. No. 897,869; Sept. 8; Sp. p. 1284; Dr. p. 275; Gaz. vol. 136; p. 235.
 Bracelet, bangle, ring, &c. P. Doppenschmitt. No. 895,078; Aug. 4; Sp. p. 604; Dr. p. 126; Gaz. vol. 135; p. 994.
 Bracelet-joint. W. Wallenthin. No. 900,624; Oct. 6; Sp. p. 1185; Dr. p. 243; Gaz. vol. 136; p. 1255.
 Bracelets, Making. P. H. Long. No. 886,616; May 5; Sp. p. 538; Dr. p. 115; Gaz. vol. 134; p. 96.
 Bracket: *See* Adjustable bracket; Adjustable and extensible bracket; Bucket-bracket; Builder's bracket; Car-door bracket; Curtain-bracket; Curtain-shade bracket; Door-bracket; Drain-board bracket; Electric bracket; Feed-gage bracket; Folding bracket; Gas-bracket; Hoisting-bracket; Lamp-bracket; Lantern-bracket; Mirror-bracket; Picture-molding bracket; Pipe-bracket; Portable bracket; Roof-bracket; Roofing-bracket; Rope-bracket; Scaffold-bracket; Scraper-bracket; Shade-bracket; Shade and curtain bracket; Shade-roll bracket; Shade-roller bracket; Shelf-supporting bracket; Shingling-bracket; Shutter-fastener bracket; Telephone-bracket; Transmitter-bracket; Wall-bracket; Window-screen bracket; Wire bracket.
 Bracket. I. Povall. No. 881,339; Mar. 10; Sp. p. 1685; Dr. p. 363; Gaz. vol. 133; p. 314.
 Bracket. J. B. Macduff. No. 883,323; Mar. 31; Sp. p. 5647; Dr. p. 1205; Gaz. vol. 133; p. 1052.
 Bracket. A. L. Rice. No. 883,742; Apr. 7; Sp. p. 125; Dr. p. 22; Gaz. vol. 133; p. 1213.
 Bracket. H. T. Holland. No. 895,563; Aug. 11; Sp. p. 1582; Dr. p. 334; Gaz. vol. 135; p. 1179.
 Bracket. C. L. Day. No. 899,445; Sept. 22; Sp. p. 4326; Dr. p. 930; Gaz. vol. 136; p. 802.
 Bracket-support. M. E. La Berge. No. 884,503; Apr. 14; Sp. p. 1692; Dr. p. 363; Gaz. vol. 133; p. 1491.
 Bracket-table. W. G. Hulthorst. No. 895,640; Aug. 11; Sp. p. 1722; Dr. p. 365; Gaz. vol. 135; p. 1203.
 Braid. R. C. Rahm. No. 896,320; Aug. 18; Sp. p. 3067; Dr. p. 661; Gaz. vol. 135; p. 1445.
 Braid and other narrow fabrics, Packet for. C. S. King. No. 897,628; Sept. 1; Sp. p. 792; Dr. p. 166; Gaz. vol. 136; p. 126.
 Braids, laces, and other narrow fabrics, Packet for. P. Gardner. No. 881,789; Mar. 10; Sp. p. 2569; Dr. p. 551; Gaz. vol. 133; p. 458.
 Braiding and lace-making machine. F. Meyer. No. 882,332; Mar. 17; Sp. p. 3689; Dr. pp. 782-4; Gaz. vol. 133; p. 665.
 Braiding-machine. W. Körting. No. 881,475; Mar. 10; Sp. p. 1966; Dr. pp. 427-8; Gaz. vol. 133; p. 357.
 Braiding-machine. J. Lundgren. No. 887,259; May 12; Sp. p. 1836; Dr. p. 388; Gaz. vol. 134; p. 329.
 Braiding-machine. S. A. Neidich. No. 893,810; July 21; Sp. p. 2986; Dr. p. 612; Gaz. vol. 135; p. 529.
 Braiding-machine. B. Lepperhoff. No. 894,022; July 21; Sp. p. 3441; Dr. pp. 703-4; Gaz. vol. 135; p. 599.
 Braiding-machine. R. C. Rahm. No. 896,412; Aug. 18; Sp. p. 3257; Dr. p. 698; Gaz. vol. 135; p. 1474.
 Braiding-machine. J. Lundgren. No. 897,382; Sept. 1; Sp. p. 291; Dr. pp. 59-60; Gaz. vol. 136; p. 44.
 Braiding-machine. J. Lundgren. No. 897,551; Sept. 1; Sp. p. 636; Dr. pp. 131-3; Gaz. vol. 136; p. 100.
 Braiding-machine. F. Thun. No. 898,939; Sept. 15; Sp. p. 3364; Dr. pp. 722-3; Gaz. vol. 136; p. 612.
 Braiding-machine bobbins, Safety-regulator for. T. F. O'Brien. No. 897,648; Sept. 1; Sp. p. 821; Dr. p. 172; Gaz. vol. 136; p. 131.
 Braiding machine, Cord-. F. Thun. No. 898,938; Sept. 15; Sp. p. 3362; Dr. p. 722; Gaz. vol. 136; p. 612.
 Braiding-machine stop-motion. O. A. Robbins. No. 885,523; Apr. 21; Sp. p. 3807; Dr. p. 799; Gaz. vol. 133; p. 1855.
 Brake: *See* Air-brake; Automatic brake; Automobile-brake; Back-pedaling brake; Car-brake; Car chock-brake; Carriage-brake; Carriage foot-brake; Coaster-brake; Electric brake; Electrodynamical brake; Electropneumatic brake; Elevator safety-brake; Emergency-brake; Fluid-pressure brake; Frictional brake; Gun fluid-brake; Gun-recoil brake; Hemp-brake; Load-controlled brake; Metal brake; Pneumatic brake; Pressure-brake; Railway-brake; Track-brake; Turbine-brake; Upright brake; Vehicle-brake; Vehicle emergency-brake; Vehicle or wagon brake; Vehicle-wheel automatic brake; Wagon-brake; Wheel-brake.
 Brake. W. V. Turner. No. 877,531; Jan. 28; Sp. p. 3784; Dr. pp. 820-1; Gaz. vol. 132; p. 704.
 Brake. J. W. Cross. No. 885,447; Apr. 21; Sp. p. 3654; Dr. p. 766; Gaz. vol. 133; p. 1832.
 Brake. S. E. Chidister. No. 886,944; May 5; Sp. p. 1206; Dr. p. 255; Gaz. vol. 134; p. 201.
 Brake. F. C. Miller. No. 893,858; July 21; Sp. p. 3097; Dr. pp. 633-4; Gaz. vol. 135; p. 545.
 Brake. H. H. Fox. No. 894,129; July 21; Sp. p. 3647; Dr. p. 752; Gaz. vol. 135; p. 635.
 Brake. W. C. Marsh. No. 896,063; Aug. 11; Sp. p. 2565; Dr. pp. 557-8; Gaz. vol. 135; p. 1340.
 Brake. W. C. Marsh. No. 896,649; Aug. 18; Sp. p. 3700; Dr. pp. 795-6; Gaz. vol. 135; p. 1550.
 Brake. W. H. Mitchell. No. 901,633; Oct. 20; Sp. p. 3275; Dr. pp. 671-2; Gaz. vol. 136; p. 1646.
 Brake. T. J. Mullen, T. F. and M. J. Brennan. No. 904,711; Nov. 24; Sp. p. 4471; Gaz. vol. 137; p. 810.
 Brake. S. J. Oakes. No. 904,983; Nov. 24; Sp. p. 5051; Gaz. vol. 137; p. 900.
 Brake. J. W. Endeau. No. 907,019; Dec. 15; Sp. p. 3656; Gaz. vol. 137; p. 1651.
 Brake-actuating-lever mechanism. R. H. Bowman. No. 894,936; Aug. 4; Sp. p. 324; Dr. pp. 65-6; Gaz. vol. 135; p. 946.
 Brake adjusting apparatus, Railway-vehicle and like. V. Chavériat. No. 897,817; Sept. 1; Sp. p. 1170; Dr. p. 249; Gaz. vol. 136; p. 186.
 Brake apparatus, Load-. P. Synnestvedt. No. 892,195; June 30; Sp. p. 6106; Dr. pp. 1312-13; Gaz. vol. 134; p. 2161.
 Brake appliance, Safety. O. H. Black. No. 897,052; Aug. 25; Sp. p. 4603; Dr. p. 981; Gaz. vol. 135; p. 1709.
 Brake-applying device, Automatic train-. A. W. Cavanagh and A. Allan. No. 883,293; Mar. 31; Sp. p. 5599; Dr. p. 1193; Gaz. vol. 133; p. 1043.
 Brake-applying mechanism. J. M. Hines. No. 876,456; Jan. 14; Sp. p. 1554; Dr. p. 333; Gaz. vol. 132; p. 285.
 Brake-applying mechanism. J. M. Hines. No. 878,065; Feb. 4; Sp. p. 355; Dr. p. 73; Gaz. vol. 132; p. 905.
 Brake attachment for hay-wagons, &c. R. E. Berry. No. 902,549; Nov. 3; Sp. p. 22; Gaz. vol. 137; p. 5.
 Brake-beam. W. H. Woodcock. No. 884,000; Apr. 7; Sp. p. 674; Dr. p. 135; Gaz. vol. 133; p. 1300.
 Brake-beam. C. H. Williams, Jr. No. 884,444; Apr. 14; Sp. p. 1571; Dr. p. 338; Gaz. vol. 133; p. 1473.
 Brake-beam. C. F. Huntton. No. 895,269; Aug. 4; Sp. p. 1008; Dr. p. 211; Gaz. vol. 135; p. 1060.
 Brake-beam. W. E. Fowler, Jr. No. 906,213; Dec. 8; Sp. p. 2158; Gaz. vol. 137; p. 1369.
 Brake-beam fulcrum, Two-part reversible. J. W. Houser. No. 876,057; Jan. 7; Sp. p. 711; Dr. p. 153; Gaz. vol. 132; p. 123.
 Brake-beam hanger. W. Hamilton. No. 882,108; Mar. 17; Sp. p. 3257; Dr. p. 692; Gaz. vol. 133; p. 592.
 Brake-beam hanger. S. Starrett. No. 893,274; July 14; Sp. p. 1791; Dr. p. 376; Gaz. vol. 135; p. 323.
 Brake-beam safety-hanger. T. E. Buck. No. 903,954; Nov. 17; Sp. p. 2887; Gaz. vol. 137; p. 527.
 Brake-beam strut and fulcrum. E. H. Bauer. No. 897,570; Sept. 1; Sp. p. 679; Dr. p. 142; Gaz. vol. 136; p. 107.
 Brake-block. H. Frood and D. G. Holmes. No. 894,946; Aug. 4; Sp. p. 340; Dr. p. 68; Gaz. vol. 135; p. 950.
 Brake-cylinder, Duplex. W. V. Turner. No. 902,185; Oct. 27; Sp. p. 4426; Dr. p. 896; Gaz. vol. 136; p. 1856.
 Brake-handle. F. W. Lechner. No. 877,097; Jan. 21; Sp. p. 2904; Dr. p. 628; Gaz. vol. 132; p. 540.
 Brake-handle. S. J. Hanlin and G. W. Rigney. No. 898,880; Sept. 15; Sp. p. 3261; Dr. p. 698; Gaz. vol. 136; p. 593.
 Brake-hanger. H. S. Clark. No. 893,306; July 14; Sp. p. 1849; Dr. p. 387; Gaz. vol. 135; p. 333.
 Brake-hanger. R. J. Lindsay. No. 893,334; July 14; Sp. p. 1900; Dr. p. 397; Gaz. vol. 135; p. 342.
 Brake-hanger, Non-chattering. W. Dalton. No. 902,477; Oct. 27; Sp. p. 5051; Dr. p. 1022; Gaz. vol. 136; p. 1952.
 Brake-head. C. B. Gosnell and A. M. Harris. No. 883,012; Mar. 24; Sp. p. 5009; Dr. pp. 1065-6; Gaz. vol. 133; p. 920.
 Brake-head. C. H. Williams, Jr. No. 884,443; Apr. 14; Sp. p. 1570; Dr. p. 337; Gaz. vol. 133; p. 1473.
 Brake-head. G. A. Bowman and C. L. Harmeyer. No. 901,872; Oct. 20; Sp. p. 3769; Dr. p. 766; Gaz. vol. 136; p. 1724.
 Brake-head. H. B. Robischung. No. 906,162; Dec. 8; Sp. p. 2060; Gaz. vol. 137; p. 1353.
 Brake-head. P. T. Handiges. No. 906,708; Dec. 15; Sp. p. 3073; Gaz. vol. 137; p. 1553.
 Brake-head, Adjustable. P. T. Handiges. No. 886,603; May 5; Sp. p. 515; Dr. p. 111; Gaz. vol. 134; p. 92.
 Brake indicator, Air-. O. R. Snyder. No. 904,568; Nov. 24; Sp. p. 4188; Gaz. vol. 137; p. 763.
 Brake-lever. J. J. Byers. No. 887,030; May 5; Sp. p. 1375; Dr. p. 292; Gaz. vol. 134; p. 228.
 Brake-lever. R. E. Frame. No. 907,767; Dec. 29; Sp. p. 5242; Gaz. vol. 137; p. 1967.
 Brake-lever hanger. W. T. Walton. No. 884,881; Apr. 14; Sp. p. 2485; Dr. p. 524; Gaz. vol. 133; p. 1616.
 Brake mechanism. H. E. Coffin. No. 878,506; Feb. 11; Sp. p. 1311; Dr. p. 265; Gaz. vol. 132; p. 1084.
 Brake mechanism. M. McLennan. No. 889,953; June 9; Sp. p. 1500; Dr. p. 340; Gaz. vol. 134; p. 1327.
 Brake mechanism. H. Rowntree. No. 890,933; June 16; Sp. p. 3544; Dr. p. 774; Gaz. vol. 134; p. 1683.
 Brake mechanism. R. V. White. No. 895,525; Aug. 11; Sp. p. 1509; Dr. p. 319; Gaz. vol. 135; p. 1168.
 Brake mechanism. E. H. Planta and F. Adam. No. 899,069; Sept. 22; Sp. p. 3602; Dr. p. 771; Gaz. vol. 136; p. 680.
 Brake mechanism. A. Balloco. No. 901,670; Oct. 20; Sp. p. 3349; Dr. p. 686; Gaz. vol. 136; p. 1658.
 Brake mechanism. F. H. Osborn. No. 904,890; Nov. 24; Sp. p. 4873; Gaz. vol. 137; p. 870.
 Brake mechanism, Fluid-pressure. J. H. Bleoo. No. 892,122; June 30; Sp. p. 5953; Dr. pp. 1281-2; Gaz. vol. 134; p. 2136.
 Brake mechanism, Fluid-pressure. J. H. Bleoo. No. 892,123; June 30; Sp. p. 5961; Dr. p. 1282; Gaz. vol. 134; p. 2137.
 Brake mechanism for car-trucks, W. S. Adams. No. 879,606; Feb. 18; Sp. p. 3539; Dr. pp. 741-2; Gaz. vol. 132; p. 1481.
 Brake mechanism for cars, elevators, cranes, and other purposes, Electric. M. E. Neenan. No. 891,632; June 23; Sp. p. 4973; Dr. pp. 1072-3; Gaz. vol. 134; p. 1944.
 Brake mechanism for mine cages, skips, and lifts, Safety. A. M. Newman. No. 887,264; May 12; Sp. p. 1850; Dr. pp. 390-1; Gaz. vol. 134; p. 331.
 Brake-release. A. A. St. Clair. No. 899,919; Sept. 29; Sp. p. 5320; Dr. p. 1137; Gaz. vol. 136; p. 993.

Alphabetical list of inventions—Continued.

- Brake-rigging. W. G. Price. No. 894,853; Aug. 4; Sp. p. 101; Dr. p. 21; Gaz. vol. 135; p. 917.
- Brake-setter. W. A. Rideout, Sr. No. 897,149; Aug. 25; Sp. p. 4792; Dr. p. 1020; Gaz. vol. 135; p. 1740.
- Brake-setting device. E. Godley. (Reissue.) No. 12,780; Apr. 21; Sp. p. 4181; Dr. p. 875; Gaz. vol. 133; p. 1913.
- Brake-setting mechanism. W. A. Rideout, Sr. No. 904,999; Nov. 24; Sp. p. 5080; Gaz. vol. 137; p. 906.
- Brake-setting mechanism, Automatic. W. P. Byrd. No. 879,032; Feb. 11; Sp. p. 2336; Dr. p. 489; Gaz. vol. 132; p. 1253.
- Brake-shoe. L. E. Keller. No. 879,969; Feb. 25; Sp. p. 4308; Dr. p. 901; Gaz. vol. 132; p. 1634.
- Brake-shoe. J. S. Sheafe. No. 880,584; Mar. 3; Sp. p. 192; Dr. p. 41; Gaz. vol. 133; p. 35.
- Brake-shoe. W. B. Goodwin. No. 882,107; Mar. 17; Sp. p. 3255; Dr. p. 692; Gaz. vol. 133; p. 592.
- Brake-shoe. E. S. Woods. No. 885,414; Apr. 21; Sp. p. 3601; Dr. p. 755; Gaz. vol. 133; p. 1822.
- Brake-shoe. I. A. Gibbs. No. 886,694; May 5; Sp. p. 721; Dr. p. 148; Gaz. vol. 134; p. 122.
- Brake-shoe. J. D. Gallagher. No. 887,243; May 12; Sp. p. 1800; Dr. pp. 379-80; Gaz. vol. 134; p. 324.
- Brake-shoe. J. D. Gallagher. No. 887,244; May 12; Sp. p. 1802; Dr. p. 380; Gaz. vol. 134; p. 324.
- Brake-shoe. W. H. V. Rosing and F. L. Gordon. No. 887,274; May 12; Sp. p. 1892; Dr. p. 400; Gaz. vol. 134; p. 335.
- Brake-shoe. F. W. Sargent. No. 888,751; May 26; Sp. p. 4865; Dr. p. 1037; Gaz. vol. 134; p. 882.
- Brake-shoe. C. D. Pettis. No. 892,078; June 30; Sp. p. 5872; Dr. p. 1264; Gaz. vol. 134; p. 2122.
- Brake-shoe. C. D. Pettis. No. 892,883; July 7; Sp. p. 990; Dr. p. 207; Gaz. vol. 135; p. 165.
- Brake-shoe. C. D. Pettis. No. 893,260; July 14; Sp. p. 1763; Dr. p. 371; Gaz. vol. 135; p. 318.
- Brake-shoe. B. D. Lockwood and F. M. Whyte. No. 899,454; Sept. 22; Sp. p. 4343; Dr. p. 932; Gaz. vol. 136; p. 805.
- Brake-shoe. C. S. Shallenberger. No. 900,600; Oct. 6; Sp. p. 1126; Dr. pp. 230-1; Gaz. vol. 136; p. 1247.
- Brake-shoe. C. S. Shallenberger. No. 900,601; Oct. 6; Sp. p. 1128; Dr. p. 231; Gaz. vol. 136; p. 1247.
- Brake-shoe. S. P. Bush. No. 902,206; Oct. 27; Sp. p. 4462; Dr. pp. 902-3; Gaz. vol. 136; p. 1862.
- Brake-shoe. J. D. Gallagher. No. 907,773; Dec. 29; Sp. p. 5251; Gaz. vol. 137; p. 1969.
- Brake-shoe. J. J. Glennon. No. 907,780; Dec. 29; Sp. p. 5262; Gaz. vol. 137; p. 1971.
- Brake-shoe. W. H. Haring. No. 907,791; Dec. 29; Sp. p. 5289; Gaz. vol. 137; p. 1975.
- Brake-shoe. H. Jones. No. 907,810; Dec. 29; Sp. p. 5326; Gaz. vol. 137; p. 1981.
- Brake-shoe. J. S. Thompson. No. 907,918; Dec. 29; Sp. p. 5542; Gaz. vol. 137; p. 2015.
- Brake-shoe back. F. W. Sargent. No. 907,892; Dec. 29; Sp. p. 5493; Gaz. vol. 137; p. 2007.
- Brake-shoe brace. W. J. N. Aldridge. No. 894,309; July 28; Sp. p. 4056; Dr. p. 837; Gaz. vol. 135; p. 714.
- Brake-shoe, Railway. J. S. Baker. No. 896,076; Aug. 18; Sp. p. 2599; Dr. p. 563; Gaz. vol. 135; p. 1368.
- Brake-shoe, Railway-car. S. A. Crone. No. 889,510; June 2; Sp. p. 642; Dr. p. 149; Gaz. vol. 134; p. 1160.
- Brake-shoe, Railway-car. S. A. Crone. No. 889,511; June 2; Sp. p. 643; Dr. p. 149; Gaz. vol. 134; p. 1160.
- Brake-shoe, Railway-car. S. A. Crone. No. 891,209; June 16; Sp. p. 4080; Dr. p. 896; Gaz. vol. 134; p. 1772.
- Brake-shoe, Reinforced. J. Cook. No. 877,055; Jan. 21; Sp. p. 2827; Dr. p. 610; Gaz. vol. 132; p. 527.
- Brake-shoe shell. W. H. Thrash. No. 886,553; May 5; Sp. p. 416; Dr. p. 89; Gaz. vol. 134; p. 76.
- Brake-shoe, Vehicle. T. L. Knapp. No. 890,774; June 16; Sp. p. 3227; Dr. p. 705; Gaz. vol. 134; p. 1632.
- Brake slack-adjuster. M. W. Hibbard. No. 887,637; May 12; Sp. p. 2650; Dr. pp. 558-9; Gaz. vol. 134; p. 457.
- Brake system, Fluid-pressure. W. H. Sauvage. No. 902,114; Oct. 27; Sp. p. 4278; Dr. p. 867; Gaz. vol. 136; p. 1832.
- Brake systems, Angle-cock for fluid-pressure. J. A. Hicks. No. 895,756; Aug. 11; Sp. p. 1958; Dr. pp. 414-15; Gaz. vol. 135; p. 1241.
- Brake-wheel. D. J. Montambo. No. 901,634; Oct. 20; Sp. p. 3277; Dr. p. 672; Gaz. vol. 136; p. 1646.
- Brakes, Automatic sanding apparatus for fluid-pressure. E. G. Desoe. No. 899,246; Sept. 22; Sp. p. 3992; Dr. p. 850; Gaz. vol. 136; p. 740.
- Braking system, Automatic. B. Aikman. No. 886,460; May 5; Sp. p. 233; Dr. pp. 49-50; Gaz. vol. 134; p. 44.
- Branch block. H. R. Sargent. No. 894,783; July 28; Sp. p. 4980; Dr. p. 1039; Gaz. vol. 135; p. 868.
- Branch sleeve, Connecting. A. P. Smith. No. 896,333; Aug. 18; Sp. p. 3095; Dr. p. 665; Gaz. vol. 135; p. 1449.
- Brander. H. E. Marsden. No. 896,454; Aug. 18; Sp. p. 3332; Dr. p. 717; Gaz. vol. 135; p. 1488.
- Branding apparatus. E. T. Nicklin and J. Bergquist. No. 894,690; July 28; Sp. p. 4813; Dr. p. 999; Gaz. vol. 135; p. 839.
- Branding-machine. W. J. Green. No. 879,462; Feb. 18; Sp. p. 3234; Dr. p. 673; Gaz. vol. 132; p. 1454.
- Brazing. W. E. Gleissner. No. 883,011; Mar. 24; Sp. p. 5008; Gaz. vol. 133; p. 919.
- Bread and making same. C. E. Wait. No. 882,852; Mar. 24; Sp. p. 4703; Gaz. vol. 133; p. 868.
- Bread-baking machine, Altar-. F. A. and S. L. Horan. No. 889,232; June 2; Sp. p. 83; Dr. p. 19; Gaz. vol. 134; p. 1071.
- Bread, cake, and pie lifter. F. A. and S. L. Bennett. No. 901,671; Oct. 20; Sp. p. 3350; Dr. p. 687; Gaz. vol. 136; p. 1658.
- Bread-cutter. R. Anderson. No. 904,593; Nov. 24; Sp. p. 4228; Gaz. vol. 137; p. 770.
- Bread-cutting device. N. M. Andersen. No. 898,163; Sept. 8; Sp. p. 1896; Dr. p. 405; Gaz. vol. 136; p. 330.
- Bread-maker's gage. J. Robesky. No. 888,930; May 26; Sp. p. 5264; Dr. p. 1117; Gaz. vol. 134; p. 942.
- Bread-mixer. G. Friedman. No. 898,211; Sept. 8; Sp. p. 1984; Dr. p. 423; Gaz. vol. 136; p. 344.
- Bread-mixer. J. B. Collins. No. 905,148; Dec. 1; Sp. p. 47; Gaz. vol. 137; p. 991.
- Bread-raising board. H. H. Young. No. 907,550; Dec. 22; Sp. p. 4732; Gaz. vol. 137; p. 1864.
- Bread-slicer. D. F. Leidy. No. 907,153; Dec. 22; Sp. p. 3934; Gaz. vol. 137; p. 1731.
- Breaking, digging, or loosening material to be dredged or excavated, Means for. E. W. Moir. No. 908,415; Dec. 29; Sp. p. 6598; Gaz. vol. 137; p. 2184.
- Breast-strap connection. H. R. Henrichs. No. 880,794; Mar. 3; Sp. p. 615; Dr. p. 130; Gaz. vol. 133; p. 106.
- Breast-strap neck-yoke-ring holder. A. Sniesrud. No. 903,335; Nov. 10; Sp. p. 1600; Gaz. vol. 137; p. 293.
- Breach-blocks, Safety-lock for. J. J. Knapp. No. 879,652; Feb. 18; Sp. p. 3630; Dr. p. 759; Gaz. vol. 132; p. 1496.
- Breach mechanism. S. A. S. Hammar. No. 902,487; Oct. 27; Sp. p. 5072; Dr. pp. 1026-8; Gaz. vol. 136; p. 1956.
- Breach mechanism of ordnance. A. T. Dawson and G. T. Buckham. No. 905,997; Dec. 8; Sp. p. 1745; Gaz. vol. 137; p. 1299.
- Breach-protector. E. L. Hann. No. 906,876; Dec. 15; Sp. p. 3405; Gaz. vol. 137; p. 1607.
- Breeding-stock. D. E. Miller. No. 889,945; June 9; Sp. p. 1485; Dr. p. 337; Gaz. vol. 134; p. 1325.
- Brew-house equipment. M. Henius. No. 878,136; Feb. 4; Sp. p. 479; Dr. pp. 102-3; Gaz. vol. 132; p. 927.
- Brewer's pitch. C. N. Forrest. No. 877,888; Jan. 28; Sp. p. 4462; Gaz. vol. 132; p. 818.
- Brewer's pitch, Manufacture of. L. Schmied. No. 895,800; Aug. 11; Sp. p. 2059; Gaz. vol. 135; p. 1255.
- Brewing soy, Apparatus for. T. Suzuki. No. 888,204; May 19; Sp. p. 3752; Dr. p. 788; Gaz. vol. 134; p. 671.
- Brewing-waters, Preparing. M. Wallerstein. No. 879,843; Feb. 18; Sp. p. 4012; Gaz. vol. 132; p. 1560.
- Brick and block mold. C. W. Jones. No. 887,398; May 12; Sp. p. 2193; Dr. p. 458; Gaz. vol. 134; p. 378.
- Brick and tile cutting machine. W. R. Cunningham. No. 897,596; Sept. 1; Sp. p. 729; Dr. pp. 154-5; Gaz. vol. 136; p. 115.
- Brick and tile cutting machine. W. R. Cunningham. No. 901,691; Oct. 20; Sp. p. 3427; Dr. pp. 695-6; Gaz. vol. 136; p. 1668.
- Brick, block, or tile cutter or shaper. W. H. Hill. No. 899,980; Sept. 29; Sp. p. 5461; Dr. p. 1165; Gaz. vol. 136; p. 1013.
- Brick-carrying device. J. Banwell. No. 891,972; June 30; Sp. p. 5690; Dr. p. 1225; Gaz. vol. 134; p. 2090.
- Brick-conveyer. W. R. Martin. No. 888,831; May 26; Sp. p. 5054; Dr. p. 1079; Gaz. vol. 134; p. 963.
- Brick-cutting machine. H. Heuss. No. 889,684; June 2; Sp. p. 976; Dr. pp. 225-6; Gaz. vol. 134; p. 1215.
- Brick-drier cars, Non-detachable sliding and folding upper deck for. C. H. Johnston. No. 901,105; Oct. 13; Sp. p. 2173; Dr. p. 442; Gaz. vol. 136; p. 1437.
- Brick-handling appliance. C. Carlson. No. 883,388; Mar. 31; Sp. p. 5797; Dr. p. 1237; Gaz. vol. 133; p. 1073.
- Brick-handling device. A. O. Jones. No. 891,548; June 23; Sp. p. 4791; Dr. p. 1036; Gaz. vol. 134; p. 1916.
- Brick-handling machine. W. H. and C. Francis. No. 890,586; June 9; Sp. p. 2799; Dr. pp. 616-17; Gaz. vol. 134; p. 1537.
- Brick, Interlocking. J. Soss. No. 903,906; Nov. 17; Sp. p. 2787; Gaz. vol. 137; p. 512.
- Brick-kiln. S. T. Rawles. No. 885,954; Apr. 28; Sp. p. 4723; Dr. pp. 992-3; Gaz. vol. 133; p. 2026.
- Brick-kiln. E. R. McKissick. No. 891,946; June 30; Sp. p. 5632; Dr. pp. 1213-14; Gaz. vol. 134; p. 2081.
- Brick-kiln. W. Rennie. No. 904,994; Nov. 24; Sp. p. 5069; Gaz. vol. 137; p. 904.
- Brick-kiln, Continuous. S. Barnett, R. J. Hadlington, and S. Hinton. No. 879,354; Feb. 18; Sp. p. 2975; Dr. p. 621; Gaz. vol. 132; p. 1399.
- Brick-kiln furnaces, Firing-tool for. E. H. Callaway. No. 885,720; Apr. 28; Sp. p. 4220; Dr. p. 883; Gaz. vol. 133; p. 1947.
- Brick-kiln grate. P. E. Bennett. No. 877,825; Jan. 28; Sp. p. 4354; Dr. p. 945; Gaz. vol. 132; p. 798.
- Brick-lift. J. F. B. Fiske. No. 898,733; Sept. 15; Sp. p. 2996; Dr. p. 642; Gaz. vol. 136; p. 545.
- Brick, lime, and similar material, Kiln for burning. P. Czizler. No. 877,300; Jan. 21; Sp. p. 3329; Dr. p. 722; Gaz. vol. 132; p. 608.
- Brick-machine. J. F. Uhlhorn. No. 902,699; Nov. 3; Sp. p. 330; Gaz. vol. 137; p. 56.
- Brick-machine attachment. E. H. Zeigler. No. 875,879; Jan. 7; Sp. p. 376; Dr. p. 83; Gaz. vol. 132; p. 69.
- Brick-machine attachment. M. N. C. J. and A. H. Grant. No. 893,796; July 21; Sp. p. 2963; Dr. p. 606; Gaz. vol. 135; p. 524.
- Brick-machine attachment. M. N. C. J. and A. H. Grant. No. 900,521; Oct. 6; Sp. p. 970; Dr. p. 196; Gaz. vol. 136; p. 1220.
- Brick-machine, Rotary. W. Walker. No. 899,087; Sept. 22; Sp. p. 3634; Dr. p. 779; Gaz. vol. 136; p. 687.
- Brick machine, Sand-. P. C. Forrester. No. 899,920; June 9; Sp. p. 1441; Dr. p. 325; Gaz. vol. 134; p. 1317.
- Brick-machines, Brick-handling device for. J. Walker. No. 899,086; Sept. 22; Sp. p. 3633; Dr. p. 779; Gaz. vol. 136; p. 686.
- Brick-machines, Expressing screw or auger for. H. Neitzel. No. 901,819; Oct. 20; Sp. p. 3680; Dr. p. 747; Gaz. vol. 136; p. 1700.
- Brick molded for walls with a monolithic internal skeleton. V. Compagnone. No. 876,298; Jan. 7; Sp. p. 1213; Dr. p. 265; Gaz. vol. 132; p. 203.
- Brick-molding apparatus. P. Wernicke. No. 884,440; Apr. 14; Sp. p. 1562; Dr. p. 336; Gaz. vol. 133; p. 1471.

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- Brick-molding machine. H. S. Bowler. No. 892,574; July 7; Sp. p. 346; Dr. p. 76; Gaz. vol. 135; p. 64.
 Brick-molding machine. S. T. H. Bradley. No. 903,663; Nov. 10; Sp. p. 2264; Gaz. vol. 137; p. 399.
 Brick or lining composition for use at high temperatures and making the same. C. E. Pope. No. 895,787; Aug. 11; Sp. p. 2040; Gaz. vol. 135; p. 1251.
 Brick-press. J. J. Nieters. No. 876,388; Jan. 14; Sp. p. 1400; Dr. pp. 302-3; Gaz. vol. 132; p. 262.
 Brick-yard dump. C. J. Anderson. No. 905,043; Nov. 24; Sp. p. 5163; Gaz. vol. 137; p. 921.
 Bricks by hand, Clamp for carrying. W. F. Kerr. No. 884,494; Apr. 14; Sp. p. 1675; Dr. p. 361; Gaz. vol. 133; p. 1489.
 Bricks, Means for drying green. A. J. Warner. No. 887,294; May 12; Sp. p. 1954; Dr. p. 411; Gaz. vol. 134; p. 343.
 Bricks, shaped stones or blocks, tubes, tiles, and the like, Manufacture of. H. Dresler. No. 903,062; Nov. 3; Sp. p. 1064; Gaz. vol. 137; p. 174.
 Brickmaking-machine. E. L. Wiles. No. 893,408; July 14; Sp. p. 2036; Dr. p. 427; Gaz. vol. 135; p. 366.
 Brickmaking-machine. G. Burson. No. 875,776; Jan. 7; Sp. p. 195; Dr. pp. 41-2; Gaz. vol. 132; p. 36.
 Bridge. O. Thomas. No. 903,630; Nov. 10; Sp. p. 2202; Gaz. vol. 137; p. 390.
 Bridge, Bascule. J. B. Strauss. No. 894,239; July 28; Sp. p. 3897; Dr. p. 805; Gaz. vol. 135; p. 690.
 Bridge construction. W. Sharp. No. 885,386; Apr. 21; Sp. p. 3554; Dr. pp. 743-4; Gaz. vol. 133; p. 1814.
 Bridge construction. W. S. Hewett. No. 890,769; June 16; Sp. p. 3216; Dr. pp. 702-3; Gaz. vol. 134; p. 1630.
 Bridge construction. H. Friend. No. 891,417; June 23; Sp. p. 4531; Dr. p. 986; Gaz. vol. 134; p. 1873.
 Bridge-dam. H. L. Coburn. No. 900,354; Oct. 6; Sp. p. 589; Dr. p. 122; Gaz. vol. 136; p. 1165.
 Bridge, Lifting. M. Waddell. No. 890,947; June 16; Sp. p. 3581; Dr. pp. 780-1; Gaz. vol. 134; p. 1688.
 Bridge or crane, Traveling. H. P. Andresen. No. 903,806; Nov. 10; Sp. p. 2545; Gaz. vol. 137; p. 445.
 Bridge rail-joints, Locking device for draw-. W. R. Mershon and H. R. Leonard. No. 876,073; Jan. 7; Sp. p. 701; Dr. p. 162; Gaz. vol. 132; p. 129.
 Bridge rail-lock, Draw-. C. H. Morrison. No. 898,252; Sept. 8; Sp. p. 2068; Dr. p. 440; Gaz. vol. 136; p. 357.
 Bridge-turning mechanism. F. D'Or. No. 895,673; Aug. 11; Sp. p. 1794; Dr. p. 381; Gaz. vol. 135; p. 1215.
 Bridges, Counterbalance for lift-. L. H. Shoemaker. No. 887,131; May 12; Sp. p. 1576; Dr. pp. 334-5; Gaz. vol. 134; p. 289.
 Bridges, Safety device for rail connections of draw-. W. R. Mershon. No. 876,074; Jan. 7; Sp. p. 765; Dr. p. 163; Gaz. vol. 132; p. 136.
 Bridle. S. D. Hawk. No. 876,715; Jan. 14; Sp. p. 2115; Dr. p. 464; Gaz. vol. 132; p. 374.
 Bridle-bit. G. F. Jungermann. No. 876,461; Jan. 14; Sp. p. 1565; Dr. p. 335; Gaz. vol. 132; p. 287.
 Bridle-bit. W. H. Collins. No. 877,296; Jan. 21; Sp. p. 3317; Dr. p. 719; Gaz. vol. 132; p. 607.
 Bridle-bit. S. A. M. Linville and L. Hicks. No. 880,803; Mar. 3; Sp. p. 638; Dr. p. 134; Gaz. vol. 133; p. 110.
 Bridle-bit. J. A. Millard. No. 880,901; Mar. 3; Sp. p. 849; Dr. p. 181; Gaz. vol. 133; p. 143.
 Bridle-bit. C. B. Johnson. No. 881,242; Mar. 10; Sp. p. 1499; Dr. p. 323; Gaz. vol. 133; p. 283.
 Bridle-bit. H. H. MacNiven. No. 882,791; Mar. 24; Sp. p. 4559; Dr. p. 973; Gaz. vol. 133; p. 847.
 Bridle-bit. P. S. O'Neil. No. 889,396; June 2; Sp. p. 415; Dr. p. 98; Gaz. vol. 134; p. 1123.
 Bridle-bit. B. W. Forrest. No. 890,419; June 9; Sp. p. 2469; Dr. p. 547; Gaz. vol. 134; p. 1482.
 Bridle-bit. H. M. Mason. No. 891,089; June 16; Sp. p. 3846; Dr. p. 841; Gaz. vol. 134; p. 1734.
 Bridle-bit. J. W. Herbert. No. 891,419; June 23; Sp. p. 4537; Dr. p. 987; Gaz. vol. 134; p. 1874.
 Bridle-bit. M. Jincks. No. 897,373; Sept. 1; Sp. p. 269; Dr. p. 55; Gaz. vol. 136; p. 41.
 Bridle-bit. D. S. Gallatin. No. 898,637; Sept. 15; Sp. p. 2827; Dr. p. 603; Gaz. vol. 136; p. 515.
 Bridle-bit. J. W. Greenwood. No. 899,298; Sept. 22; Sp. p. 4073; Dr. p. 870; Gaz. vol. 136; p. 756.
 Bridle-bit. H. W. Beckwith. No. 903,351; Nov. 10; Sp. p. 1627; Gaz. vol. 137; p. 298.
 Bridle-bit. C. E. Taylor. No. 906,953; Dec. 8; Sp. p. 1651; Gaz. vol. 137; p. 1285.
 Bridle-bit. C. Klaus. No. 907,816; Dec. 29; Sp. p. 5337; Gaz. vol. 137; p. 1983.
 Bridle-bit, Overchecking. F. S. Dure. No. 900,712; Oct. 13; Sp. p. 1374; Dr. p. 280; Gaz. vol. 136; p. 1311.
 Bridle-blind. F. T. Moore. No. 887,338; May 12; Sp. p. 2050; Dr. p. 429; Gaz. vol. 134; p. 359.
 Bridle, Blind-. G. Holding. No. 905,534; Dec. 1; Sp. p. 862; Gaz. vol. 137; p. 1120.
 Bridle checking and unchecking attachment. P. W. Amstutz. No. 895,411; Aug. 11; Sp. p. 1275; Dr. p. 268; Gaz. vol. 135; p. 1129.
 Bridles, Crown-loop for harness-. J. B. Calvert. No. 881,375; Mar. 10; Sp. p. 1774; Dr. p. 382; Gaz. vol. 133; p. 326.
 Bridles, Overdraw check-loop for. M. E. Zeller. No. 899,281; Sept. 22; Sp. p. 4046; Dr. p. 865; Gaz. vol. 133; p. 751.
 Brim-stretching and hat-blocking machine. G. Segschneider. No. 881,625; Mar. 10; Sp. p. 2268; Dr. p. 492; Gaz. vol. 133; p. 408.
 Brine, Apparatus for electrolysis of. C. F. Carrier, Jr. No. 881,108; Mar. 10; Sp. p. 1228; Dr. p. 264; Gaz. vol. 133; p. 238.
 Brine-making apparatus. H. J. Gerner. No. 897,284; Sept. 1; Sp. p. 37; Dr. p. 9; Gaz. vol. 136; p. 9.
 Brine-producer. F. Tyson. No. 903,028; Nov. 3; Sp. p. 1004; Gaz. vol. 137; p. 165.
 Briquet-machine. K. Wessel. No. 883,263; Mar. 31; Sp. p. 5531; Dr. pp. 1179-80; Gaz. vol. 133; p. 1033.
 Briquet-making apparatus. J. W. Ivory. No. 906,430; Dec. 8; Sp. p. 2555; Gaz. vol. 137; p. 1440.
 Briquet-making machine. F. E. Abbott. No. 896,427; Aug. 18; Sp. p. 3281; Dr. pp. 704-5; Gaz. vol. 135; p. 1480.
 Briquets, blocks, artificial stone, and the like, Press for manufacturing. W. Surmann. No. 898,525; Sept. 15; Sp. p. 2591; Dr. pp. 553-4; Gaz. vol. 136; p. 478.
 Brittle substances, Implement for severing. E. and G. Hagstrom. No. 880,878; Mar. 3; Sp. p. 812; Dr. p. 172; Gaz. vol. 133; p. 136.
 Broiler, Meat-. P. J. Moll. No. 895,657; Aug. 11; Sp. p. 1760; Dr. p. 373; Gaz. vol. 135; p. 1209.
 Broiling meats and the like, Apparatus for. G. Giovanna. No. 902,724; Nov. 3; Sp. p. 385; Gaz. vol. 137; p. 66.
 Bronze, Method of and apparatus for removing superfluous. H. Lamberger. No. 885,491; Apr. 21; Sp. p. 3732; Dr. p. 785; Gaz. vol. 133; p. 1845.
 Bronzing-machine. M. Smith. No. 880,170; Feb. 25; Sp. p. 4708; Dr. p. 994; Gaz. vol. 132; p. 1699.
 Bronzing-machine. W. Friess and E. Weingartner. No. 888,450; May 26; Sp. p. 4317; Dr. p. 913; Gaz. vol. 134; p. 791.
 Brooch. C. N. Bruzard. No. 902,274; Oct. 27; Sp. p. 4608; Dr. p. 936; Gaz. vol. 136; p. 1884.
 Brooches and the like, Safety device for. H. A. Ives and D. W. Jeffery. No. 891,996; June 30; Sp. p. 5729; Dr. p. 1232; Gaz. vol. 134; p. 2096.
 Brooder. J. A. Jocoy. No. 878,635; Feb. 11; Sp. p. 1602; Dr. p. 327; Gaz. vol. 132; p. 1128.
 Brooder. J. Lardinois-Pigeon. No. 884,935; Apr. 14; Sp. p. 2589; Dr. p. 546; Gaz. vol. 133; p. 1632.
 Brooder. E. M. Wallace. No. 888,278; May 19; Sp. p. 3383; Dr. pp. 819-20; Gaz. vol. 134; p. 696.
 Brooder. H. H. Charles. No. 892,650; July 7; Sp. p. 500; Dr. p. 106; Gaz. vol. 135; p. 89.
 Brooder. H. J. Mulder. No. 899,177; Sept. 22; Sp. p. 3830; Dr. p. 820; Gaz. vol. 136; p. 717.
 Brooder. A. R. Lewis. No. 902,889; Nov. 3; Sp. p. 732; Gaz. vol. 137; p. 121.
 Brooder. F. T. Porter. No. 907,871; Dec. 29; Sp. p. 5437; Gaz. vol. 137; p. 2000.
 Brooder, Chicken-. P. Mahler. No. 890,149; June 9; Sp. p. 1914; Dr. p. 423; Gaz. vol. 134; p. 1395.
 Brooder-heating appliance. R. F. Brooks. No. 892,396; July 7; Sp. p. 16; Dr. p. 5; Gaz. vol. 135; p. 6.
 Brooder-heating-tank. G. E. Merritt and L. D. Grubb. No. 896,846; Aug. 25; Sp. p. 4150; Dr. p. 889; Gaz. vol. 135; p. 1640.
 Brooder-house. G. H. Lee. No. 889,696; June 2; Sp. p. 1002; Dr. p. 231; Gaz. vol. 134; p. 1219.
 Brooder or incubator. J. H. Turcotte. No. 891,644; June 23; Sp. p. 5015; Dr. p. 1080; Gaz. vol. 134; p. 1949.
 Broom. E. Brown. No. 898,629; Sept. 15; Sp. p. 2801; Dr. p. 599; Gaz. vol. 136; p. 512.
 Broom and like holder. A. S. Weller. No. 894,248; July 28; Sp. p. 3914; Dr. p. 809; Gaz. vol. 135; p. 693.
 Broom attachment. J. A. Lewis. No. 898,232; Sept. 8; Sp. p. 2039; Dr. p. 433; Gaz. vol. 136; p. 351.
 Broom-bridle. A. T. Callahan. No. 883,524; Mar. 31; Sp. p. 6081; Dr. p. 1294; Gaz. vol. 133; p. 1117.
 Broom-corn breaker and taylor. W. E. Welch. No. 890,386; June 9; Sp. p. 2411; Dr. pp. 531-2; Gaz. vol. 134; p. 1471.
 Broom-corn-treating machine. O. J. Wahler. No. 883,596; Mar. 31; Sp. p. 6215; Dr. p. 1325; Gaz. vol. 133; p. 1138.
 Broom-cover. W. S. Lodge. No. 880,086; Feb. 25; Sp. p. 4541; Dr. p. 956; Gaz. vol. 132; p. 1672.
 Broom, Dust-laying. L. G. Anthony. No. 894,359; July 28; Sp. p. 4147; Dr. p. 857; Gaz. vol. 135; p. 731.
 Broom-holder. C. Rees and W. Fischer, Jr. No. 876,589; Jan. 14; Sp. p. 1851; Dr. p. 405; Gaz. vol. 132; p. 333.
 Broom-holder. C. J. Wren. No. 886,458; May 5; Sp. p. 230; Dr. p. 49; Gaz. vol. 134; p. 43.
 Broom-holder. L. E. Higgins. No. 894,642; July 28; Sp. p. 4716; Dr. p. 979; Gaz. vol. 135; p. 822.
 Broom-holder. A. Kunkel. No. 901,179; Oct. 13; Sp. p. 2295; Dr. p. 468; Gaz. vol. 136; p. 1460.
 Broom-making chuck. E. J. Powers. No. 899,679; Sept. 29; Sp. p. 4824; Dr. p. 1032; Gaz. vol. 136; p. 914.
 Broom-moistener. L. G. Egger. No. 882,934; Mar. 24; Sp. p. 4873; Dr. p. 1034; Gaz. vol. 133; p. 896.
 Broom-protector. J. Kenny. No. 876,884; Jan. 14; Sp. p. 2427; Dr. p. 529; Gaz. vol. 132; p. 428.
 Broom-protector. A. J. Myers. No. 906,262; Dec. 8; Sp. p. 2254; Gaz. vol. 137; p. 1386.
 Broom-support. L. Jorgensen. No. 892,525; July 7; Sp. p. 264; Dr. p. 56; Gaz. vol. 135; p. 49.
 Brooms and the like, Holder for. W. Jones. No. 878,068; Feb. 4; Sp. p. 361; Dr. p. 74; Gaz. vol. 132; p. 906.
 Brooms, Dust-settler for. E. A. Davis. No. 883,175; Mar. 31; Sp. p. 5345; Dr. p. 1138; Gaz. vol. 133; p. 1003.
 Brush. H. V. Hardman. No. 878,134; Feb. 4; Sp. p. 477; Dr. p. 102; Gaz. vol. 132; p. 927.
 Brush. R. C. Bryant. No. 878,606; Feb. 11; Sp. p. 1538; Dr. p. 314; Gaz. vol. 132; p. 1118.
 Brush. J. F. Scanlan. No. 878,748; Feb. 11; Sp. p. 1808; Dr. p. 374; Gaz. vol. 132; p. 1164.
 Brush. M. E. Featherstone. No. 879,754; Feb. 18; Sp. p. 3829; Dr. p. 802; Gaz. vol. 132; p. 1530.
 Brush. R. E. Fields. No. 880,785; Mar. 3; Sp. p. 599; Dr. p. 127; Gaz. vol. 133; p. 103.
 Brush. A. Herschmann. No. 884,276; Apr. 7; Sp. p. 1237; Dr. p. 260; Gaz. vol. 133; p. 1389.

Alphabetical list of inventions—Continued.

- Brush, F. P. Vize and H. J. Broderick. No. 890,204; June 9; Sp. p. 2023; Dr. p. 445; Gaz. vol. 134; p. 1413.
- Brush, A. R. Wiens. No. 891,314; June 23; Sp. p. 4317; Dr. p. 942; Gaz. vol. 134; p. 1840.
- Brush, W. J. Wilson. No. 891,318; June 23; Sp. p. 4322; Dr. p. 943; Gaz. vol. 134; p. 1841.
- Brush, J. E. Blythe. No. 891,978; June 30; Sp. p. 5700; Dr. p. 1227; Gaz. vol. 134; p. 2091.
- Brush, F. D. Wolfram. No. 892,485; July 7; Sp. p. 180; Dr. p. 38; Gaz. vol. 135; p. 35.
- Brush, J. P. O. Marquart. No. 893,635; July 21; Sp. p. 2564; Dr. p. 534; Gaz. vol. 135; p. 470.
- Brush, E. E. Rice. No. 894,053; July 21; Sp. p. 3509; Dr. p. 719; Gaz. vol. 135; p. 610.
- Brush, E. Miltner. No. 894,968; Aug. 4; Sp. p. 381; Dr. p. 77; Gaz. vol. 135; p. 957.
- Brush, A. J. Brady. No. 895,952; Aug. 11; Sp. p. 2351; Dr. p. 504; Gaz. vol. 135; p. 1304.
- Brush, J. Nelson. No. 904,800; Nov. 24; Sp. p. 4673; Gaz. vol. 137; p. 840.
- Brush, Adjustable cleaning-. R. T. Gillespie. No. 879,764; Feb. 18; Sp. p. 3846; Dr. p. 806; Gaz. vol. 132; p. 1533.
- Brush, Adjustable cleaning-. R. T. Gillespie. No. 883,108; Mar. 24; Sp. p. 5185; Dr. p. 1107; Gaz. vol. 133; p. 951.
- Brush, Air-. J. A. Paasche. No. 879,891; Feb. 25; Sp. p. 4135; Dr. p. 867; Gaz. vol. 132; p. 1607.
- Brush and powder-holder, Combination tooth-. F. W. Archer and T. H. Bates. No. 902,796; Nov. 3; Sp. p. 507; Gaz. vol. 137; p. 88.
- Brush, Blacking-. R. T. Overton. No. 886,848; May 5; Sp. p. 1037; Dr. p. 218; Gaz. vol. 134; p. 170.
- Brush, Blacking-. A. S. Vaughan. No. 887,155; May 12; Sp. p. 1612; Dr. p. 342; Gaz. vol. 134; p. 296.
- Brush, Blacking-. W. Bardoff. No. 894,103; July 21; Sp. p. 3591; Dr. p. 740; Gaz. vol. 135; p. 626.
- Brush, Bottle-washer. C. K. Volckening. No. 898,288; Sept. 8; Sp. p. 2129; Dr. p. 452; Gaz. vol. 136; p. 368.
- Brush cabinet, Tooth-. G. A. Weidhaas, Jr. No. 880,432; Feb. 25; Sp. p. 5245; Dr. p. 1103; Gaz. vol. 132; p. 1787.
- Brush case, Tooth-. R. Sewell. No. 901,841; Oct. 20; Sp. p. 3716; Dr. p. 755; Gaz. vol. 136; p. 1714.
- Brush-cleaner. C. R. Spicer. No. 883,752; Apr. 7; Sp. p. 141; Dr. p. 26; Gaz. vol. 133; p. 1217.
- Brush, Cleaning-. R. T. Gillespie. No. 870,540; Jan. 14; Sp. p. 1741; Dr. p. 378; Gaz. vol. 132; p. 316.
- Brush, Cleaning-. R. T. Gillespie. No. 879,043; Feb. 11; Sp. p. 2355; Dr. p. 493; Gaz. vol. 132; p. 1257.
- Brush, Cleaning-. E. T. Gillespie. No. 903,186; Nov. 10; Sp. p. 1302; Gaz. vol. 137; p. 243.
- Brush, Dabbing-. P. Henry. No. 888,804; May 26; Sp. p. 4995; Dr. p. 1065; Gaz. vol. 134; p. 900.
- Brush drilling and tufting machine. E. F. Buch and K. Steinbach. No. 896,970; Aug. 25; Sp. p. 4432; Dr. pp. 947-8; Gaz. vol. 135; p. 1680.
- Brush, Dust-. J. E. Snevely. No. 893,271; July 14; Sp. p. 1787; Dr. p. 375; Gaz. vol. 135; p. 323.
- Brush, Dust-. C. Johnson. No. 894,385; July 28; Sp. p. 4204; Dr. p. 867; Gaz. vol. 135; p. 739.
- Brush, Dusting-. R. N. Fickett. No. 886,046; Apr. 28; Sp. p. 4913; Dr. p. 1033; Gaz. vol. 133; p. 2055.
- Brush, Flexible. B. G. A. Laitner. No. 883,548; Mar. 31; Sp. p. 6140; Dr. p. 1305; Gaz. vol. 133; p. 1124.
- Brush, Flour-bolter. E. E. Tinker. No. 887,545; May 12; Sp. p. 2478; Dr. p. 523; Gaz. vol. 134; p. 427.
- Brush for cleaning artificial sets of teeth. E. Kuzzer. No. 890,143; June 9; Sp. p. 1896; Dr. p. 420; Gaz. vol. 134; p. 1393.
- Brush for parquetry-flooring and the like. J. Bruyere. No. 883,166; Mar. 31; Sp. p. 5326; Dr. p. 1135; Gaz. vol. 133; p. 1000.
- Brush, Fountain-. H. L. Loring. No. 886,996; May 5; Sp. p. 1301; Dr. p. 274; Gaz. vol. 134; p. 217.
- Brush, Fountain-. L. Johnsonbeck. No. 893,326; July 14; Sp. p. 1887; Dr. p. 395; Gaz. vol. 135; p. 340.
- Brush, Fountain-. J. Sabourin. No. 893,379; July 14; Sp. p. 1980; Dr. p. 416; Gaz. vol. 135; p. 357.
- Brush, Fountain-. H. Kadushin. No. 899,305; Sept. 22; Sp. p. 4083; Dr. p. 872; Gaz. vol. 136; p. 758.
- Brush, Fountain-. J. B. Fesler. No. 904,190; Nov. 17; Sp. p. 3388; Gaz. vol. 137; p. 609.
- Brush, Fountain-. T. R. Murray. No. 906,451; Dec. 8; Sp. p. 2596; Gaz. vol. 137; p. 1446.
- Brush, Fountain-. J. T. Mountford. No. 907,850; Dec. 29; Sp. p. 5397; Gaz. vol. 137; p. 1993.
- Brush, Fountain bath-. W. E. Allen. No. 878,594; Feb. 11; Sp. p. 1517; Dr. p. 308; Gaz. vol. 132; p. 1115.
- Brush frame, Wall-. M. E. Goodhue. No. 907,337; Dec. 22; Sp. p. 4315; Gaz. vol. 137; p. 1794.
- Brush, Gin-. T. C. Eberhardt. No. 887,780; May 19; Sp. p. 2942; Dr. p. 619; Gaz. vol. 134; p. 534.
- Brush, Hair-. F. M. Hanaway. No. 898,467; Sept. 15; Sp. p. 2480; Dr. p. 531; Gaz. vol. 136; p. 459.
- Brush-handle. J. H. Greene. No. 880,986; Mar. 3; Sp. p. 1002; Dr. p. 214; Gaz. vol. 133; p. 170.
- Brush-handle. R. Baillargeon. No. 890,088; May 26; Sp. p. 5556; Dr. p. 1180; Gaz. vol. 134; p. 992.
- Brush-handle. P. A. Pines. No. 901,736; Oct. 20; Sp. p. 3521; Dr. p. 712; Gaz. vol. 136; p. 1682.
- Brush-holder. R. Fehler. No. 877,990; Feb. 4; Sp. p. 187; Dr. p. 41; Gaz. vol. 132; p. 880.
- Brush-holder. A. Ball. No. 880,437; Feb. 25; Sp. p. 5253; Dr. p. 1105; Gaz. vol. 132; p. 1789.
- Brush-holder. F. B. Howell. No. 882,565; Mar. 24; Sp. p. 4121; Dr. p. 874; Gaz. vol. 133; p. 773.
- Brush-holder. W. L. Waters. No. 886,559; May 5; Sp. p. 427; Dr. p. 91; Gaz. vol. 134; p. 78.
- Brush-holder. A. G. Howard. No. 888,896; May 26; Sp. p. 5207; Dr. p. 1104; Gaz. vol. 134; p. 932.
- Brush-holder. J. B. Schultz. No. 894,909; Aug. 4; Sp. p. 242; Dr. p. 52; Gaz. vol. 135; p. 937.
- Brush-holder. F. C. Mitchell. No. 895,878; Aug. 11; Sp. p. 2208; Dr. p. 470; Gaz. vol. 135; p. 1280.
- Brush-holder. W. N. Lewis. No. 896,123; Aug. 18; Sp. p. 2677; Dr. p. 578; Gaz. vol. 135; p. 1381.
- Brush-holder. H. E. Heath. No. 900,730; Oct. 13; Sp. p. 1409; Dr. p. 287; Gaz. vol. 136; p. 1316.
- Brush-holder. H. F. T. Erben. No. 905,675; Dec. 1; Sp. p. 1109; Gaz. vol. 137; p. 1163.
- Brush-holder, Automatically-adjustable. W. J. Richards. No. 900,884; Oct. 13; Sp. p. 1735; Dr. pp. 350-1; Gaz. vol. 136; p. 1366.
- Brush-holders, Means for supporting. E. D. Priest. No. 876,998; Jan. 21; Sp. p. 2701; Dr. p. 586; Gaz. vol. 132; p. 507.
- Brush, Horse-. J. B. Pfau. No. 886,153; Apr. 28; Sp. p. 5115; Dr. p. 1074; Gaz. vol. 133; p. 2089.
- Brush, Horse-. G. H. Meuzies. No. 907,842; Dec. 29; Sp. p. 5377; Gaz. vol. 137; p. 1991.
- Brush kit, Blacking-. S. W. Emory. No. 901,600; Oct. 20; Sp. p. 3211; Dr. p. 658; Gaz. vol. 136; p. 1636.
- Brush, Lather-. A. J. Prescott. No. 876,090; Jan. 7; Sp. p. 795; Dr. p. 169; Gaz. vol. 132; p. 135.
- Brush-making machine. J. Baer. No. 880,475; Feb. 25; Sp. p. 5334; Dr. pp. 1123-4; Gaz. vol. 132; p. 1803.
- Brush-making machines, Needle-holding slide for. W. G. Liebig. No. 906,246; Dec. 8; Sp. p. 2227; Gaz. vol. 137; p. 1381.
- Brush, mop, and wringer, Combined scrubbing-. C. J. Perry. No. 877,119; Jan. 21; Sp. p. 2947; Dr. p. 637; Gaz. vol. 132; p. 547.
- Brush or polisher, Shoe. E. Wilson. No. 896,676; Aug. 18; Sp. p. 3762; Dr. pp. 812-13; Gaz. vol. 135; p. 1558.
- Brush, Pigtail-. L. C. Hawley. No. 903,972; Nov. 17; Sp. p. 2919; Gaz. vol. 137; p. 533.
- Brush, Pneumatic. F. J. Matchette and C. Moukos. No. 876,371; Jan. 14; Sp. p. 1355; Dr. p. 295; Gaz. vol. 132; p. 256.
- Brush, Rotary. M. Stoerr and M. Kuettnar. No. 887,867; May 19; Sp. p. 3119; Dr. p. 655; Gaz. vol. 134; p. 563.
- Brush, Scrubbing-. J. E. Watson. No. 879,706; Feb. 18; Sp. p. 3740; Dr. p. 784; Gaz. vol. 132; p. 1514.
- Brush, Self-feeding shaving-. H. F. Hansell, Jr., and G. D. Lewis. No. 895,014; Aug. 4; Sp. p. 492; Dr. p. 99; Gaz. vol. 135; p. 973.
- Brush, Shaving-. S. Saloman. No. 882,423; Mar. 17; Sp. p. 3836; Dr. p. 819; Gaz. vol. 133; p. 693.
- Brush, Shaving-. D. Felix. No. 890,348; June 9; Sp. p. 2338; Dr. p. 516; Gaz. vol. 134; p. 1459.
- Brush, Shaving-. W. Jay. No. 894,834; Aug. 4; Sp. p. 70; Dr. p. 14; Gaz. vol. 135; p. 912.
- Brush, Shoe-. H. F. Stubenrauch. No. 898,998; Sept. 15; Sp. p. 3468; Dr. p. 743; Gaz. vol. 136; p. 631.
- Brush, Shoe-polishing. R. B. Martin. No. 885,500; Apr. 21; Sp. p. 3749; Dr. p. 788; Gaz. vol. 133; p. 1848.
- Brush, Tooth-. C. T. Hillman. No. 876,185; Jan. 7; Sp. p. 969; Dr. p. 209; Gaz. vol. 132; p. 165.
- Brush, Tooth-. W. N. Taylor. No. 878,164; Feb. 4; Sp. p. 571; Dr. p. 116; Gaz. vol. 132; p. 937.
- Brush, Tooth-. L. H. Crowell. No. 878,486; Feb. 4; Sp. p. 1211; Dr. p. 249; Gaz. vol. 132; p. 1044.
- Brush, Tooth-. O. H. Chandler. No. 880,277; Feb. 25; Sp. p. 4929; Dr. p. 1043; Gaz. vol. 132; p. 1735.
- Brush, Tooth-. F. F. Shumer. No. 882,352; Mar. 17; Sp. p. 3728; Dr. p. 793; Gaz. vol. 133; p. 671.
- Brush, Tooth-. E. D. Barnes. No. 887,181; May 12; Sp. p. 1658; Dr. p. 352; Gaz. vol. 134; p. 305.
- Brush, Tooth-. V. C. Bell. No. 888,138; May 19; Sp. p. 3637; Dr. p. 762; Gaz. vol. 134; p. 650.
- Brush, Tooth-. R. R. Ringer. No. 901,835; Oct. 20; Sp. p. 3706; Dr. p. 752; Gaz. vol. 136; p. 1712.
- Brush, Tooth-. J. H. Kinney. No. 905,886; Dec. 8; Sp. p. 1527; Gaz. vol. 137; p. 1264.
- Brush-washing apparatus. W. von Vigier. No. 877,269; Jan. 21; Sp. p. 3273; Dr. p. 708; Gaz. vol. 132; p. 599.
- Brushes and brooms, Manufacture of. P. Chazal. No. 878,343; Feb. 4; Sp. p. 920; Dr. p. 183; Gaz. vol. 132; p. 997.
- Brushes and other manicuring articles, Handle of. A. C. Booth. No. 876,317; Jan. 14; Sp. p. 1251; Dr. p. 272; Gaz. vol. 132; p. 240.
- Brushes, Floss-holder attachment for tooth-. O. J. Monson. No. 893,345; July 14; Sp. p. 1921; Dr. p. 403; Gaz. vol. 135; p. 346.
- Brushes, Making dynamo-. G. Preuss. No. 906,928; Dec. 15; Sp. p. 3506; Gaz. vol. 137; p. 1624.
- Brushes, Manufacture of. P. Chazal. No. 878,344; Feb. 4; Sp. p. 921; Dr. p. 183; Gaz. vol. 132; p. 997.
- Brushes, scrubbers, and the like, Device for fastening the handles in. A. Eisel. No. 878,282; Feb. 4; Sp. p. 797; Dr. p. 159; Gaz. vol. 132; p. 977.
- Brushing-machine, Coin-controlled. E. Goldthwait. No. 880,876; Mar. 3; Sp. p. 807; Dr. p. 171; Gaz. vol. 133; p. 135.
- Bucket. J. Chamberlin. No. 879,144; Feb. 18; Sp. p. 2580; Dr. p. 537; Gaz. vol. 132; p. 1330.
- Bucket. S. J. Sikes. No. 884,870; Apr. 14; Sp. p. 2472; Dr. p. 520; Gaz. vol. 133; p. 1614.
- Bucket. H. S. Atkinson. No. 906,184; Dec. 8; Sp. p. 2101; Gaz. vol. 137; p. 1360.
- Bucket, Automatic. S. E. Atherton. No. 895,226; Aug. 4; Sp. p. 901; Dr. p. 189; Gaz. vol. 135; p. 1045.
- Bucket, Automatic bottom-dumping and self-closing. H. G. Ferris. No. 897,361; Sept. 1; Sp. p. 246; Dr. p. 51; Gaz. vol. 136; p. 36.
- Bucket-bracket. C. Plotke. No. 896,150; Aug. 18; Sp. p. 2716; Dr. p. 586; Gaz. vol. 135; p. 1389.
- Bucket, Clam-shell. C. C. Williams. No. 878,585; Feb. 11; Sp. p. 1496; Dr. pp. 304-5; Gaz. vol. 132; p. 1111.

Alphabetical list of inventions—Continued.

- Bucket, Clam-shell. A. Ruetschi. No. 882,844; Mar. 24; Sp. p. 4682; Dr. p. 996; Gaz. vol. 133; p. 865.
 Bucket, Clam-shell. H. E. Huntsberry. No. 888,088; May 19; Sp. p. 3541; Dr. p. 740; Gaz. vol. 134; p. 634.
 Bucket, Clam-shell. C. W. Hunt. No. 891,699; June 23; Sp. p. 5120; Dr. pp. 1104-5; Gaz. vol. 134; p. 1967.
 Bucket, Clam-shell. C. C. King. No. 891,706; June 23; Sp. p. 5133; Dr. pp. 1108-9; Gaz. vol. 134; p. 1969.
 Bucket, Clam-shell. F. W. Lovell. No. 894,219; July 28; Sp. p. 3851; Dr. pp. 797-8; Gaz. vol. 135; p. 684.
 Bucket, cleaning save-all. W. E. Potts. No. 876,837; Jan. 14; Sp. p. 2328; Dr. p. 511; Gaz. vol. 132; p. 412.
 Bucket, Coal-. B. L. Burtt. No. 885,582; Apr. 21; Sp. p. 3933; Dr. p. 821; Gaz. vol. 133; p. 1872.
 Bucket, Dredger-. G. Francis. No. 883,435; Mar. 31; Sp. p. 6289; Dr. pp. 1341-2; Gaz. vol. 133; p. 1151.
 Bucket, dump, Automatic. N. J. Sweeney. No. 892,914; July 7; Sp. p. 1063; Dr. p. 223; Gaz. vol. 135; p. 175.
 Bucket dump, Well-. H. R. Anderson. No. 887,566; May 12; Sp. p. 2520; Dr. p. 531; Gaz. vol. 134; p. 434.
 Bucket, Dumping-. J. Hamilton. No. 885,613; Apr. 21; Sp. p. 3985; Dr. p. 832; Gaz. vol. 133; p. 1882.
 Bucket, Dumping-. D. S. Barrows. No. 890,594; June 16; Sp. p. 2823; Dr. p. 622; Gaz. vol. 134; p. 1570.
 Bucket, Dumping-. L. A. Lehmann. No. 891,940; June 30; Sp. p. 5612; Dr. p. 1210; Gaz. vol. 134; p. 2079.
 Bucket, dumping attachment, Mine-. M. M. Callaghan. No. 884,363; Apr. 14; Sp. p. 1410; Dr. pp. 301-2; Gaz. vol. 133; p. 1446.
 Bucket-elevator. J. Ross. No. 876,019; Jan. 7; Sp. p. 648; Dr. p. 138; Gaz. vol. 132; p. 112.
 Bucket elevator. F. A. Hetherington. No. 880,303; Feb. 25; Sp. p. 4980; Dr. p. 1051; Gaz. vol. 132; p. 1744.
 Bucket, Feed-. J. Mateka. No. 879,784; Feb. 18; Sp. p. 3881; Dr. p. 814; Gaz. vol. 132; p. 1539.
 Bucket, Grab-. C. Chase. No. 882,666; Mar. 24; Sp. p. 4327; Dr. p. 920; Gaz. vol. 133; p. 807.
 Bucket, Grab-. H. P. Andresen. No. 897,246; Aug. 25; Sp. p. 5076; Dr. p. 1060; Gaz. vol. 135; p. 1775.
 Bucket, Hoisting-. G. Focht. No. 894,128; July 21; Sp. p. 3646; Dr. p. 751; Gaz. vol. 135; p. 634.
 Bucket, Oyster-shipping. J. H. Cox. No. 900,986; Oct. 13; Sp. p. 1946; Dr. p. 396; Gaz. vol. 136; p. 1400.
 Bucket, Self-closing dumping-. G. L. Stuebner. No. 884,687; Apr. 14; Sp. p. 2094; Dr. p. 447; Gaz. vol. 133; p. 1553.
 Bucket, Well-. L. B. Thomas. No. 883,551; May 26; Sp. p. 4456; Dr. p. 944; Gaz. vol. 134; p. 817.
 Bucket, Well-. D. S. Terry. No. 897,324; Sept. 1; Sp. p. 138; Dr. p. 29; Gaz. vol. 136; p. 21.
 Buckets. Means for dumping or discharging materials from. H. A. L. Barry. No. 891,656; June 23; Sp. p. 5033; Dr. pp. 1084-5; Gaz. vol. 134; p. 1952.
 Buckle. I. A. Gray. No. 876,799; Jan. 14; Sp. p. 2251; Dr. p. 495; Gaz. vol. 132; p. 399.
 Buckle. M. Barabasz. No. 877,035; Jan. 21; Sp. p. 2791; Dr. p. 603; Gaz. vol. 132; p. 521.
 Buckle. J. S. Sourek. No. 877,958; Feb. 4; Sp. p. 123; Dr. p. 28; Gaz. vol. 132; p. 870.
 Buckle. E. N. Humphrey. No. 878,288; Feb. 4; Sp. p. 811; Dr. p. 161; Gaz. vol. 132; p. 978.
 Buckle. B. Bixby. No. 878,764; Feb. 11; Sp. p. 1848; Dr. p. 382; Gaz. vol. 132; p. 1170.
 Buckle. J. H. M. Michon. No. 879,974; Feb. 25; Sp. p. 4316; Dr. p. 903; Gaz. vol. 132; p. 1636.
 Buckle. G. W. Doss. No. 880,067; Feb. 25; Sp. p. 4507; Dr. p. 947; Gaz. vol. 132; p. 1666.
 Buckle. E. N. Humphrey. No. 880,216; Feb. 25; Sp. p. 4808; Dr. p. 1018; Gaz. vol. 132; p. 1715.
 Buckle. M. Rubin. No. 880,576; Mar. 3; Sp. p. 178; Dr. p. 39; Gaz. vol. 133; p. 32.
 Buckle. A. Van Duzer. No. 881,976; Mar. 17; Sp. p. 2980; Dr. p. 635; Gaz. vol. 133; p. 549.
 Buckle. H. W. Luhmann. No. 885,064; Apr. 21; Sp. p. 2853; Dr. p. 607; Gaz. vol. 133; p. 1706.
 Buckle. H. D. Sargent. No. 885,382; Apr. 21; Sp. p. 3549; Dr. p. 742; Gaz. vol. 133; p. 1813.
 Buckle. C. A. Patterson. No. 885,701; Apr. 21; Sp. p. 4169; Dr. p. 873; Gaz. vol. 133; p. 1910.
 Buckle. P. I. Andrews. No. 886,029; Apr. 28; Sp. p. 4876; Dr. p. 1027; Gaz. vol. 133; p. 2050.
 Buckle. G. W. Smithson. No. 890,462; June 9; Sp. p. 2537; Dr. p. 561; Gaz. vol. 134; p. 1495.
 Buckle. W. J. Boyd. No. 890,958; June 16; Sp. p. 3613; Dr. p. 786; Gaz. vol. 134; p. 1691.
 Buckle. R. Baird. No. 891,226; June 23; Sp. p. 4138; Dr. p. 906; Gaz. vol. 134; p. 1811.
 Buckle. R. London. No. 892,862; July 7; Sp. p. 939; Dr. p. 198; Gaz. vol. 135; p. 157.
 Buckle. W. F. Aston. No. 892,925; July 7; Sp. p. 1079; Dr. p. 226; Gaz. vol. 135; p. 179.
 Buckle. W. Lebowitz. No. 892,963; July 7; Sp. p. 1150; Dr. p. 242; Gaz. vol. 135; p. 193.
 Buckle. R. London. No. 893,336; July 14; Sp. p. 1904; Dr. p. 398; Gaz. vol. 135; p. 343.
 Buckle. L. Maybaum. No. 894,027; July 21; Sp. p. 3454; Dr. p. 706; Gaz. vol. 135; p. 601.
 Buckle. J. Maltby. No. 894,514; July 28; Sp. p. 4460; Dr. p. 924; Gaz. vol. 135; p. 781.
 Buckle. I. Blum. No. 894,773; July 28; Sp. p. 4952; Dr. p. 1032; Gaz. vol. 135; p. 865.
 Buckle. H. W. Zinn. No. 894,870; Aug. 4; Sp. p. 133; Dr. p. 29; Gaz. vol. 135; p. 923.
 Buckle. R. O'Neill, Jr. No. 895,391; Aug. 4; Sp. p. 1222; Dr. p. 258; Gaz. vol. 135; p. 1099.
 Buckle. J. J. Buchanan. No. 896,359; Aug. 18; Sp. p. 3145; Dr. p. 676; Gaz. vol. 135; p. 1457.
 Buckle. A. Künzler. No. 896,644; Aug. 18; Sp. p. 3695; Dr. p. 794; Gaz. vol. 135; p. 1549.
 Buckle. N. Fein. No. 897,360; Sept. 1; Sp. p. 244; Dr. p. 50; Gaz. vol. 136; p. 36.
 Buckle. F. W. Goerdes. No. 897,734; Sept. 1; Sp. p. 997; Dr. p. 212; Gaz. vol. 136; p. 160.
 Buckle. A. L. London. No. 898,122; Sept. 8; Sp. p. 1317; Dr. p. 385; Gaz. vol. 136; p. 317.
 Buckle. C. Meinhardt. No. 899,121; Sept. 22; Sp. p. 3704; Dr. p. 794; Gaz. vol. 136; p. 699.
 Buckle. M. Barabasz. (Reissue.) No. 12,855; Sept. 22; Sp. p. 4424; Dr. p. 950; Gaz. vol. 136; p. 819.
 Buckle. F. A. Goodykoontz. No. 899,969; Sept. 29; Sp. p. 5441; Dr. p. 1159; Gaz. vol. 136; p. 1009.
 Buckle. E. Pearl. No. 900,774; Oct. 13; Sp. p. 1500; Dr. p. 304; Gaz. vol. 136; p. 1330.
 Buckle. C. P. Hutton. No. 901,103; Oct. 13; Sp. p. 2170; Dr. p. 441; Gaz. vol. 136; p. 1436.
 Buckle. A. Fasig. No. 903,554; Nov. 10; Sp. p. 2047; Gaz. vol. 137; p. 366.
 Buckle. N. Hughes. No. 903,723; Nov. 10; Sp. p. 2374; Gaz. vol. 137; p. 417.
 Buckle. C. S. Comstock. No. 904,048; Nov. 17; Sp. p. 3069; Gaz. vol. 137; p. 558.
 Buckle. C. Meinhardt. No. 904,707; Nov. 24; Sp. p. 4462; Gaz. vol. 137; p. 809.
 Buckle. B. Jacob. No. 906,235; Dec. 8; Sp. p. 2205; Gaz. vol. 137; p. 1377.
 Buckle. G. C. Dickson and A. C. McFarland. No. 906,391; Dec. 8; Sp. p. 2483; Gaz. vol. 137; p. 1426.
 Buckle. G. S. and A. S. Huntington. No. 908,101; Dec. 29; Sp. p. 5925; Gaz. vol. 137; p. 2075.
 Buckle and thill-carrier. Combination. O. P. Welding. No. 888,947; May 26; Sp. p. 5305; Dr. p. 1125; Gaz. vol. 134; p. 948.
 Buckle attachment, Belt-. A. A. Felix. No. 892,949; July 7; Sp. p. 1127; Dr. p. 236; Gaz. vol. 135; p. 188.
 Buckle, Back-band. R. C. Eldridge. No. 905,062; Nov. 24; Sp. p. 5192; Gaz. vol. 137; p. 927.
 Buckle, Belt-. O. R. Rust. No. 880,758; Mar. 3; Sp. p. 545; Dr. p. 113; Gaz. vol. 133; p. 94.
 Buckle, Belt-. H. W. Fishel. No. 883,707; Apr. 7; Sp. p. 64; Dr. p. 9; Gaz. vol. 133; p. 1202.
 Buckle, Belt-. R. A. Barnes and C. H. White. No. 887,453; May 12; Sp. p. 2287; Dr. p. 480; Gaz. vol. 134; p. 396.
 Buckle, Belt-. J. Hough. No. 898,366; Sept. 8; Sp. p. 2271; Dr. p. 483; Gaz. vol. 136; p. 394.
 Buckle, Cross-line. F. E. Siggins. No. 882,175; Mar. 17; Sp. p. 3394; Dr. p. 721; Gaz. vol. 133; p. 614.
 Buckle, Cross-line. L. D. Koch. No. 897,255; Aug. 25; Sp. p. 5098; Dr. p. 1063; Gaz. vol. 135; p. 1778.
 Buckle, Cross-line. R. B. Benford. No. 899,375; Sept. 22; Sp. p. 4208; Dr. p. 901; Gaz. vol. 136; p. 780.
 Buckle, Cross-line. E. M. Dry. No. 904,518; Nov. 24; Sp. p. 4085; Gaz. vol. 137; p. 745.
 Buckle for running webbing. F. A. and J. B. Russ. No. 905,932; Dec. 8; Sp. p. 1617; Gaz. vol. 137; p. 1279.
 Buckle for webbing. F. A. and J. B. Russ. No. 878,090; Feb. 4; Sp. p. 398; Dr. p. 84; Gaz. vol. 132; p. 913.
 Buckle for webbing, One-piece. F. A. and J. B. Russ. No. 889,403; June 2; Sp. p. 431; Dr. p. 103; Gaz. vol. 134; p. 1126.
 Buckle, Garment-. M. M. Graham. No. 887,089; May 12; Sp. p. 1504; Dr. p. 319; Gaz. vol. 134; p. 276.
 Buckle guard, Harness-. E. Jutras. No. 883,807; Apr. 7; Sp. p. 263; Dr. p. 48; Gaz. vol. 133; p. 1235.
 Buckle, Hame-tug and trace-. J. Ziegler. No. 896,261; Aug. 18; Sp. p. 2932; Dr. p. 632; Gaz. vol. 135; p. 1426.
 Buckle, Harness-. I. Sellers. No. 878,318; Feb. 4; Sp. p. 866; Dr. p. 173; Gaz. vol. 132; p. 988.
 Buckle, Harness-. D. C. Pasley. No. 878,996; Feb. 11; Sp. p. 2280; Dr. p. 476; Gaz. vol. 132; p. 1242.
 Buckle, Harness-. D. H. Young. No. 879,077; Feb. 11; Sp. p. 2422; Dr. p. 507; Gaz. vol. 132; p. 1207.
 Buckle, Harness-. J. Reichert. No. 884,207; Apr. 7; Sp. p. 1118; Dr. p. 234; Gaz. vol. 133; p. 1367.
 Buckle, Harness-. L. L. Rounds. No. 899,327; Sept. 22; Sp. p. 4123; Dr. p. 882; Gaz. vol. 136; p. 765.
 Buckle, Rein-. M. E. Zeller. No. 899,282; Sept. 22; Sp. p. 4047; Dr. p. 865; Gaz. vol. 136; p. 751.
 Buckle Repair-. G. A. Buchholz. No. 876,688; Jan. 14; Sp. p. 2071; Dr. p. 450; Gaz. vol. 132; p. 366.
 Buckle-shield. F. C. Paegel. No. 896,936; Aug. 25; Sp. p. 4351; Dr. p. 932; Gaz. vol. 135; p. 1670.
 Buckle-shield. J. Graf. No. 899,395; Sept. 22; Sp. p. 4238; Dr. p. 908; Gaz. vol. 136; p. 786.
 Buckle, Snap-fastening. G. A. Holmes. No. 879,465; Feb. 18; Sp. p. 3238; Dr. p. 674; Gaz. vol. 132; p. 1436.
 Buckle, Snap-fastening slide-. T. R. Hyde, Jr. No. 899,670; Sept. 29; Sp. p. 4800; Dr. p. 1028; Gaz. vol. 136; p. 912.
 Buckle, Suspender-. W. Bloomberg. No. 882,486; Mar. 17; Sp. p. 3948; Dr. p. 844; Gaz. vol. 133; p. 714.
 Buckle, Suspender-. G. A. Weld. No. 889,495; June 2; Sp. p. 617; Dr. p. 144; Gaz. vol. 134; p. 1155.
 Buckle, Suspender-. F. A. and J. B. Russ. No. 893,266; July 14; Sp. p. 1776; Dr. p. 374; Gaz. vol. 135; p. 320.
 Buckle, Suspender-. J. J. Buchanan. No. 895,068; Aug. 4; Sp. p. 586; Dr. p. 121; Gaz. vol. 135; p. 990.
 Buckle, Trace-. T. H. Jones. No. 879,775; Feb. 18; Sp. p. 3865; Dr. p. 809; Gaz. vol. 132; p. 1536.
 Buckle, Trace-. N. P. Nystrom. No. 894,975; Aug. 4; Sp. p. 404; Dr. p. 81; Gaz. vol. 135; p. 959.

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- Buffer, Hand-. F. B. Deming. No. 881,557; Mar. 10; Sp. p. 2114; Dr. p. 462; Gaz. vol. 133; p. 384.
 Buffer mechanism. W. W. Perkins. No. 902,601; Nov. 3; Sp. p. 145; Gaz. vol. 137; p. 24.
 Buffing and grinding apparatus. F. B. Duncan. No. 897,603; Sept. 1; Sp. p. 744; Dr. p. 157; Gaz. vol. 136; p. 118.
 Buffing device. B. F. Schirmer. No. 879,198; Feb. 18; Sp. p. 2687; Dr. p. 560; Gaz. vol. 132; p. 1348.
 Buffing-machine. A. Bates. No. 894,807; Aug. 4; Sp. p. 4; Dr. p. 2; Gaz. vol. 135; p. 901.
 Buffing-machine. S. W. Ladd. No. 901,933; Oct. 20; Sp. p. 3889; Dr. p. 794; Gaz. vol. 136; p. 1745.
 Bug-exterminating machine. E. L. Brillaart. No. 892,357; June 30; Sp. p. 6407; Dr. pp. 1353-4; Gaz. vol. 134; p. 2214.
 Buggy attachment. G. Rose and M. Hawley. No. 896,329; Aug. 18; Sp. p. 3086; Dr. p. 664; Gaz. vol. 135; p. 1448.
 Buggy-box. J. C. Roth. No. 895,304; Aug. 4; Sp. p. 1080; Dr. p. 226; Gaz. vol. 135; p. 1071.
 Buggy-box-reinforcing device. W. D. Otis. No. 881,944; Mar. 17; Sp. p. 2923; Dr. p. 624; Gaz. vol. 133; p. 539.
 Buggy-box-seat brace. P. E. Gatchell. No. 907,774; Dec. 29; Sp. p. 5252; Gaz. vol. 137; p. 1969.
 Buggy-spindle. J. C. Messer. No. 885,502; Apr. 21; Sp. p. 3753; Dr. p. 789; Gaz. vol. 133; p. 1849.
 Buggy-top. J. C. Craig. No. 889,909; June 9; Sp. p. 1416; Dr. p. 321; Gaz. vol. 134; p. 1313.
 Buggy-top attachment. E. Ganoe. No. 899,789; Sept. 29; Sp. p. 5073; Dr. p. 1085; Gaz. vol. 136; p. 953.
 Buggy-top brace. J. F. Disheroon. No. 901,079; Oct. 13; Sp. p. 2122; Dr. p. 432; Gaz. vol. 136; p. 1429.
 Buggy-top fastener. G. J. Wenzlick. No. 891,451; June 23; Sp. p. 4589; Dr. p. 997; Gaz. vol. 134; p. 1885.
 Buggy-top. Folding. R. Kolbe. No. 902,887; Nov. 3; Sp. p. 729; Gaz. vol. 137; p. 120.
 Buggy-top retainer. R. L. Allison. No. 891,582; June 23; Sp. p. 4863; Dr. p. 1048; Gaz. vol. 134; p. 1926.
 Buggy-top support. J. Elms. No. 886,785; May 5; Sp. p. 926; Dr. p. 193; Gaz. vol. 134; p. 152.
 Buggy-top support. E. G. Martin and J. S. Miller. No. 904,345; Nov. 17; Sp. p. 3722; Gaz. vol. 137; p. 662.
 Buggy-wrench. T. M. Stevic. No. 877,611; Jan. 28; Sp. p. 3967; Dr. pp. 856-7; Gaz. vol. 132; p. 730.
 Builder's bracket. E. G. Day. No. 906,617; Dec. 15; Sp. p. 2898; Gaz. vol. 137; p. 1524.
 Building. E. C. Sargent. No. 885,088; Apr. 21; Sp. p. 2897; Dr. p. 614; Gaz. vol. 133; p. 1714.
 Building-block. O. P. Lundell. No. 881,425; Mar. 10; Sp. p. 1858; Dr. p. 404; Gaz. vol. 133; p. 340.
 Building-block. D. O. Loy. No. 891,495; June 23; Sp. p. 4682; Dr. p. 1014; Gaz. vol. 134; p. 1899.
 Building-block. W. P. Meeker. No. 896,134; Aug. 18; Sp. p. 2692; Dr. p. 581; Gaz. vol. 135; p. 1384.
 Building-block. R. E. Keagle. No. 898,656; Sept. 15; Sp. p. 2857; Dr. p. 610; Gaz. vol. 136; p. 521.
 Building-block. A. G. Mahler. No. 900,753; Oct. 13; Sp. p. 1449; Dr. p. 295; Gaz. vol. 136; p. 1323.
 Building-block. W. D. Moore. No. 907,699; Dec. 22; Sp. p. 5102; Gaz. vol. 137; p. 1914.
 Building-block and manner of assembling. R. A. Harris. No. 882,633; Mar. 24; Sp. p. 4263; Dr. p. 903; Gaz. vol. 133; p. 797.
 Building-block and wall constructed thereof. W. T. Wightman. No. 904,588; Nov. 24; Sp. p. 4221; Gaz. vol. 137; p. 768.
 Building-block, Cementitious. E. H. McClintock. No. 897,552; Sept. 1; Sp. p. 641; Dr. p. 133; Gaz. vol. 136; p. 100.
 Building-block core. E. Rhodes. No. 879,066; Feb. 11; Sp. p. 2400; Dr. p. 502; Gaz. vol. 132; p. 1264.
 Building-block-forming machine. W. Raab. No. 886,404; May 3; Sp. p. 125; Dr. pp. 24-6; Gaz. vol. 134; p. 26.
 Building-block, Hollow. J. E. Rettig. No. 901,833; Oct. 20; Sp. p. 3701; Dr. p. 751; Gaz. vol. 136; p. 1712.
 Building-block mold. F. M. Sawyer. No. 887,432; May 12; Sp. p. 2255; Dr. p. 472; Gaz. vol. 134; p. 390.
 Building-block mold. W. A. Boeck. No. 904,927; Nov. 24; Sp. p. 4943; Gaz. vol. 137; p. 882.
 Building block or brick. W. H. Daniels. No. 899,958; Sept. 29; Sp. p. 5419; Dr. p. 1155; Gaz. vol. 136; p. 1006.
 Building-block, Refractory. F. B. Marvin. No. 885,065; Apr. 21; Sp. p. 2855; Dr. p. 607; Gaz. vol. 133; p. 1707.
 Building-block tie. A. J. Mueller. No. 880,154; Feb. 25; Sp. p. 4676; Dr. p. 985; Gaz. vol. 132; p. 1694.
 Building-blocks and artificial stone from plastic material, Apparatus for forming. A. A. Pauly. No. 899,799; Sept. 29; Sp. p. 5093; Dr. pp. 1089-90; Gaz. vol. 136; p. 956.
 Building-blocks, Apparatus for forming artificial. A. A. Pauly. No. 889,633; June 2; Sp. p. 868; Dr. p. 198; Gaz. vol. 134; p. 1199.
 Building brick or block. J. Soss. No. 903,907; Nov. 17; Sp. p. 2788; Gaz. vol. 137; p. 512.
 Building construction. G. W. Chantigney and J. P. Morency. No. 879,520; Feb. 18; Sp. p. 3341; Dr. pp. 697-8; Gaz. vol. 132; p. 1454.
 Building construction. N. Smith. No. 879,595; Feb. 18; Sp. p. 3515; Dr. p. 736; Gaz. vol. 132; p. 1478.
 Building construction. J. T. Ferres. No. 892,145; June 30; Sp. p. 6012; Dr. p. 1291; Gaz. vol. 134; p. 2144.
 Building construction. C. D. Salfeld. No. 892,310; June 30; Sp. p. 6323; Dr. p. 1362; Gaz. vol. 134; p. 2200.
 Building construction. C. W. Fellgren. No. 893,471; July 14; Sp. p. 2195; Dr. p. 461; Gaz. vol. 135; p. 387.
 Building construction. J. A. Hofmann. No. 893,924; July 21; Sp. p. 3220; Dr. pp. 663-4; Gaz. vol. 135; p. 566.
 Building construction. P. H. Jackson. No. 900,378; Oct. 6; Sp. p. 647; Dr. p. 133; Gaz. vol. 136; p. 1173.
 Building construction. G. M. Newhall. No. 902,898; Nov. 3; Sp. p. 750; Gaz. vol. 137; p. 124.
 Building-construction bracket. A. Toupin. No. 898,286; Sept. 8; Sp. p. 2125; Dr. p. 452; Gaz. vol. 136; p. 367.
 Building construction, Fireproof. G. E. Escher. No. 904,856; Nov. 24; Sp. p. 4794; Gaz. vol. 137; p. 859.
 Building construction with reference to covering material. H. E. Kock. No. 888,825; May 26; Sp. p. 5043; Dr. p. 1076; Gaz. vol. 134; p. 906.
 Building-light. P. Schwickart. No. 889,724; June 2; Sp. p. 1052; Dr. p. 243; Gaz. vol. 134; p. 1228.
 Building-light. P. Schwickart. No. 894,708; July 28; Sp. p. 4839; Dr. p. 1006; Gaz. vol. 135; p. 844.
 Building material. J. Stanley. No. 884,959; Apr. 14; Sp. p. 2633; Dr. p. 557; Gaz. vol. 133; p. 1639.
 Building material. J. C. Fitzsimmons and J. V. Chown. No. 890,974; June 16; Sp. p. 3643; Dr. p. 794; Gaz. vol. 134; p. 1697.
 Building, Rotary. T. F. Gaynor. No. 895,176; Aug. 4; Sp. p. 798; Dr. pp. 166-7; Gaz. vol. 135; p. 1027.
 Building structure. M. A. Morton. No. 887,008; May 5; Sp. p. 1332; Dr. p. 282; Gaz. vol. 134; p. 221.
 Building, Wooden. J. H. Flickinger. No. 888,603; May 26; Sp. p. 4575; Dr. p. 970; Gaz. vol. 134; p. 836.
 Buildings against rocking of the ground, Yielding support for safing. E. Boermel. No. 896,431; Aug. 18; Sp. p. 3290; Dr. p. 707; Gaz. vol. 135; p. 1481.
 Buildings, Construction of. C. H. Wilson. No. 882,482; Mar. 17; Sp. p. 3940; Dr. p. 842; Gaz. vol. 133; p. 713.
 Buildings, Structural metal-work in. H. B. Schutt. No. 893,815; July 21; Sp. p. 3002; Dr. p. 614; Gaz. vol. 135; p. 531.
 Built-in closet. W. H. Watts. No. 891,389; June 23; Sp. p. 4469; Dr. p. 973; Gaz. vol. 134; p. 1865.
 Built-up post. C. F. Steiber. No. 899,349; Sept. 22; Sp. p. 4160; Dr. p. 890; Gaz. vol. 136; p. 772.
 Bulkhead and jetty construction. J. A. Howland and W. H. De Nyse. No. 897,370; Sept. 1; Sp. p. 263; Dr. p. 54; Gaz. vol. 136; p. 40.
 Bull-ring. A. C. Decker. No. 877,634; Jan. 28; Sp. p. 4001; Dr. p. 864; Gaz. vol. 132; p. 738.
 Bull-rings, Manufacture of. C. P. Showell. No. 881,726; Mar. 10; Sp. p. 2457; Dr. p. 529; Gaz. vol. 133; p. 438.
 Bulkhead and like retaining-wall. W. Baur. No. 907,441; Dec. 22; Sp. p. 4533; Gaz. vol. 137; p. 1829.
 Bulldozer. H. C. Millies. No. 890,435; June 9; Sp. p. 2497; Dr. pp. 552-3; Gaz. vol. 134; p. 1487.
 Bullet-mold. A. J. Mundt. No. 904,273; Nov. 17; Sp. p. 3558; Gaz. vol. 137; p. 636.
 Bullet-probe. G. E. Marshall. No. 902,753; Nov. 3; Sp. p. 433; Gaz. vol. 137; p. 75.
 Bumping-post. H. Gray. No. 877,472; Jan. 21; Sp. p. 3647; Dr. pp. 790-1; Gaz. vol. 132; p. 663.
 Bumping-post. G. Hopson. No. 882,147; Mar. 17; Sp. p. 3319; Dr. p. 707; Gaz. vol. 133; p. 604.
 Bumping-post. A. E. Schultz. No. 901,196; Oct. 13; Sp. p. 2326; Dr. p. 477; Gaz. vol. 136; p. 1466.
 Bunching and counting machine. F. E. Strasburg. No. 900,611; Oct. 6; Sp. p. 1162; Dr. p. 237; Gaz. vol. 136; p. 1251.
 Bundle or package tie. H. B. Ward. No. 886,905; May 5; Sp. p. 1141; Dr. p. 239; Gaz. vol. 134; p. 187.
 Bundle-shocker. G. L. Leisner. No. 903,207; Nov. 10; Sp. p. 1346; Gaz. vol. 137; p. 251.
 Bundle-tie. A. W. Baird. No. 900,645; Oct. 6; Sp. p. 1234; Dr. p. 252; Gaz. vol. 136; p. 1262.
 Bundling-press. T. C. Dexter and C. O. L. Cardell. No. 889,112; May 26; Sp. p. 5626; Dr. pp. 1191-2; Gaz. vol. 134; p. 1000.
 Bung-closure for barrels. O. A. Hilgermann. No. 885,997; Apr. 28; Sp. p. 4811; Dr. p. 1010; Gaz. vol. 133; p. 2040.
 Bung-extractor. G. Spannagel. No. 893,029; July 14; Sp. p. 1310; Dr. p. 275; Gaz. vol. 135; p. 243.
 Bung-splitter. J. W. Fairbanks. No. 907,484; Dec. 22; Sp. p. 4620; Gaz. vol. 137; p. 1844.
 Bung, Valve-. A. Schaper. No. 882,652; Mar. 24; Sp. p. 4298; Dr. p. 911; Gaz. vol. 133; p. 803.
 Bunk. C. Scheer. No. 895,898; Aug. 11; Sp. p. 2241; Dr. p. 478; Gaz. vol. 135; p. 1287.
 Bunsen burner. P. von Wouwermans. No. 881,877; Mar. 10; Sp. p. 2767; Dr. pp. 593-4; Gaz. vol. 133; p. 489.
 Bunsen burner. P. von Wouwermans. No. 882,544; Mar. 17; Sp. p. 4076; Dr. pp. 866-7; Gaz. vol. 133; p. 734.
 Bunsen burner. P. von Wouwermans. No. 882,545; Mar. 17; Sp. p. 4077; Dr. p. 867; Gaz. vol. 133; p. 735.
 Bunsen burner. G. Barthel. No. 882,611; Mar. 24; Sp. p. 4215; Dr. p. 893; Gaz. vol. 133; p. 789.
 Buoy. T. L. Willson. No. 875,875; Jan. 7; Sp. p. 368; Dr. pp. 81-2; Gaz. vol. 132; p. 68.
 Buoy. F. H. C. Heyn. No. 897,101; Aug. 25; Sp. p. 4694; Dr. p. 1000; Gaz. vol. 135; p. 1724.
 Burglar-alarm. J. E. Murray. No. 879,568; Feb. 18; Sp. p. 3442; Dr. p. 721; Gaz. vol. 132; p. 1469.
 Burglar-alarm. W. E. Jones. No. 880,668; Mar. 3; Sp. p. 357; Dr. p. 79; Gaz. vol. 133; p. 63.
 Burglar-alarm. V. M. Kluge. No. 881,007; Mar. 3; Sp. p. 1037; Dr. p. 224; Gaz. vol. 133; p. 177.
 Burglar-alarm. A. Faust. No. 881,674; Mar. 10; Sp. p. 2351; Dr. p. 509; Gaz. vol. 133; p. 422.
 Burglar-alarm. C. Liaci. No. 882,570; Mar. 24; Sp. p. 4131; Dr. pp. 876-7; Gaz. vol. 133; p. 775.
 Burglar-alarm. E. Reichenbach. No. 893,374; July 14; Sp. p. 1973; Dr. p. 414; Gaz. vol. 135; p. 355.
 Burglar-alarm. J. H. Brown. No. 893,436; July 14; Sp. p. 2116; Dr. p. 444; Gaz. vol. 135; p. 376.
 Burglar-alarm. L. B. Hancock and W. J. Sterling. No. 893,490; July 14; Sp. p. 2242; Dr. p. 469; Gaz. vol. 135; p. 394.

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- Burglar-alarm. V. D'Incognito. No. 894,440; July 28; Sp. p. 4324; Dr. p. 892; Gaz. vol. 135; p. 758.
 Burglar-alarm. J. A. Smith. No. 896,769; Aug. 25; Sp. p. 3968; Dr. p. 854; Gaz. vol. 135; p. 1612.
 Burglar-alarm. P. T. Keefe. No. 901,349; Oct. 20; Sp. p. 2657; Dr. p. 544; Gaz. vol. 136; p. 1552.
 Burglar-alarm. C. A. Metzger. No. 901,983; Oct. 27; Sp. p. 4032; Dr. p. 817; Gaz. vol. 136; p. 1792.
 Burglar-alarm. E. L. Rycraft. No. 903,888; Nov. 17; Sp. p. 2739; Gaz. vol. 137; p. 505.
 Burglar-alarm. S. M. Reist. No. 907,526; Dec. 22; Sp. p. 4690; Gaz. vol. 137; p. 1857.
 Burglar-alarm and window-sash, Combination. T. E. Cain. No. 900,146; Oct. 6; Sp. p. 153; Dr. p. 32; Gaz. vol. 136; p. 1098.
 Burglar-alarm box. A. Lo Faro. No. 880,981; Mar. 3; Sp. p. 993; Dr. p. 213; Gaz. vol. 133; p. 168.
 Burglar-alarm, Door-knob. W. S. Hurst. No. 896,386; Aug. 18; Sp. p. 3200; Dr. p. 686; Gaz. vol. 135; p. 1465.
 Burglar-alarm, Electric. S. B. Hess. No. 901,171; Oct. 13; Sp. p. 2283; Dr. p. 466; Gaz. vol. 136; p. 1458.
 Burglar-alarm system and apparatus therefor. M. R. Ney and S. S. Ullman. No. 880,160; Feb. 25; Sp. p. 4689; Dr. p. 988; Gaz. vol. 132; p. 1696.
 Burglar-alarm systems, Relay for. O. Jacobson. No. 890,158; June 30; Sp. p. 6034; Dr. pp. 1297-8; Gaz. vol. 134; p. 2148.
 Burglar and fire alarm, Invisible electric. J. W. Dawson. No. 886,355; May 5; Sp. p. 29; Dr. p. 7; Gaz. vol. 134; p. 8.
 Burglary-preventing apparatus. D. Stewart. No. 885,200; Apr. 21; Sp. p. 3152; Dr. p. 662; Gaz. vol. 133; p. 1751.
 Burial apparatus. F. Garpheide and W. Westerhede. No. 886,593; May 5; Sp. p. 499; Dr. p. 107; Gaz. vol. 134; p. 89.
 Burial-case. J. Maxwell. No. 876,822; Jan. 14; Sp. p. 2300; Dr. p. 506; Gaz. vol. 132; p. 407.
 Burial-case. C. Pianta. No. 878,669; Feb. 11; Sp. p. 1662; Dr. p. 342; Gaz. vol. 132; p. 1139.
 Burial-case. D. Waldie and G. W. Galway. No. 900,968; Oct. 13; Sp. p. 1915; Dr. p. 890; Gaz. vol. 136; p. 1394.
 Burial-case. O. S. Russell. No. 903,233; Nov. 10; Sp. p. 1401; Gaz. vol. 137; p. 259.
 Burial-casket. F. N. Watt and H. C. Keelor. No. 876,031; Jan. 7; Sp. p. 669; Dr. p. 144; Gaz. vol. 132; p. 115.
 Burial-casket. A. S. Seidel. No. 887,019; May 5; Sp. p. 1350; Dr. p. 286; Gaz. vol. 134; p. 224.
 Burial-casket. C. L. Smith. No. 888,664; May 26; Sp. p. 4700; Dr. p. 1000; Gaz. vol. 134; p. 856.
 Burial-casket carrier. L. H. Montross. No. 878,985; Feb. 11; Sp. p. 2256; Dr. pp. 471-2; Gaz. vol. 132; p. 1239.
 Burial-casket rough box. P. D. Skahen. No. 903,798; Nov. 10; Sp. p. 2532; Gaz. vol. 137; p. 442.
 Burial-caskets, Face-plate for. National Casket Company. (Reissue.) No. 12,750; Feb. 11; Sp. p. 2558; Dr. p. 532; Gaz. vol. 132; p. 1286.
 Burial-receptacle. T. F. Jones. No. 894,151; July 21; Sp. p. 3689; Dr. pp. 765-6; Gaz. vol. 135; p. 641.
 Burial-robe. H. T. Loomis. No. 901,457; Oct. 20; Sp. p. 2920; Dr. p. 595; Gaz. vol. 136; p. 1590.
 Burner: See Hunsen burner; Fuel-heating burner; Furnace-burner; Garbage-burner; Gas-burner; Gas and gasoline burner; Hydro carbon-burner; Hydrocarbon-vapor burner; Incandescent burner; Lamp-burner; Liquid-fuel burner; Mantle-burner; Oil-burner; Steam-generator burner; Stove-burner; Sulfur-burner; Vapor-burner; Vaporizing-burner.
 Burner. L. D. York and G. Youngman. No. 878,590; Feb. 11; Sp. p. 1509; Dr. p. 307; Gaz. vol. 132; p. 1113.
 Burner. J. O. Morgan. No. 884,286; Apr. 7; Sp. p. 1250; Dr. p. 263; Gaz. vol. 133; p. 1391.
 Burner. G. R. Shanklin. No. 884,869; Apr. 14; Sp. p. 2470; Dr. p. 520; Gaz. vol. 133; p. 1614.
 Burner. J. H. Beckman. No. 893,833; July 21; Sp. p. 3050; Dr. p. 623; Gaz. vol. 135; p. 537.
 Burner. T. J. McGee and J. Gallagher. No. 894,523; July 28; Sp. p. 4478; Dr. p. 927; Gaz. vol. 135; p. 784.
 Burner. G. R. Fickert. No. 895,736; Aug. 11; Sp. p. 1926; Dr. p. 408; Gaz. vol. 135; p. 1235.
 Burner. W. T. Fling. No. 895,999; Aug. 11; No. 2453; Dr. p. 530; Gaz. vol. 135; p. 1320.
 Burner. W. H. Damon. No. 901,788; Oct. 20; Sp. p. 3626; Dr. p. 734; Gaz. vol. 136; p. 1699.
 Burner. F. J. Albrecht. No. 903,652; Nov. 10; Sp. p. 2240; Gaz. vol. 137; p. 396.
 Burner. W. R. Jeavons. No. 906,887; Dec. 15; Sp. p. 3428; Gaz. vol. 137; p. 1610.
 Burner. W. R. Jeavons. No. 906,888; Dec. 15; Sp. p. 3431; Gaz. vol. 137; p. 1611.
 Burner. R. C. Frampton. No. 908,236; Dec. 29; Sp. p. 6235; Gaz. vol. 137; p. 2122.
 Burner-nipple prickler and cleanser. S. Spiller. No. 890,883; June 16; Sp. p. 3426; Dr. p. 751; Gaz. vol. 134; p. 1666.
 Burner safety attachment. W. A. Caldwell, Jr. No. 883,784; Apr. 7; Sp. p. 204; Dr. p. 38; Gaz. vol. 133; p. 1226.
 Burners, Automatic cut-off for liquid and gaseous fuel. V. E. Campbell. No. 891,761; June 23; Sp. p. 5229; Dr. p. 1133; Gaz. vol. 134; p. 1987.
 Burners, Globe for inverted. T. Hanna. No. 898,881; Sept. 15; Sp. p. 3263; Dr. p. 698; Gaz. vol. 136; p. 593.
 Burners, Means for regulating the supply of fuel to. H. Lemp. No. 888,243; May 19; Sp. p. 3824; Dr. p. 803; Gaz. vol. 134; p. 684.
 Burnishing machine, Heel-. J. O'Connell. No. 905,093; Nov. 24; Sp. p. 5263; Gaz. vol. 137; p. 937.
 Bushing. G. W. Spencer. No. 889,055; May 26; Sp. p. 5492; Dr. p. 1168; Gaz. vol. 134; p. 982.
 Bushing. D. G. Langlands. No. 907,695; Dec. 22; Sp. p. 5098; Gaz. vol. 137; p. 1913.
 Bushing. H. J. Gilbert. No. 907,988; Dec. 29; Sp. p. 5700; Gaz. vol. 137; p. 2038.
 Bushing. H. J. Gilbert. No. 907,989; Dec. 29; Sp. p. 5704; Gaz. vol. 137; p. 2038.
 Bushing, Bung-. T. Pendergast. No. 888,922; May 26; Sp. p. 5252; Dr. p. 1114; Gaz. vol. 134; p. 940.
 Bushing for casks, Bung-. H. Reinsner. No. 887,962; May 19; Sp. p. 3303; Dr. p. 694; Gaz. vol. 134; p. 595.
 Bushing, Pulley-clutch. J. W. McGregor and L. G. Ferris. No. 883,559; Mar. 31; Sp. p. 6158; Dr. p. 1309; Gaz. vol. 133; p. 1127.
 Bushings, Device for extracting. G. M. Coursen. No. 902,475; Oct. 27; Sp. p. 5047; Dr. p. 1021; Gaz. vol. 136; p. 1951.
 Bushings, Making. G. S. Van Voorhis. No. 889,071; May 26; Sp. p. 5518; Dr. p. 1173; Gaz. vol. 134; p. 986.
 Busline coupling-socket. G. H. Hill. No. 894,644; July 28; Sp. p. 4718; Dr. p. 980; Gaz. vol. 135; p. 823.
 Bustle or distender. T. J. Wall. No. 891,886; June 30; Sp. p. 5504; Dr. pp. 1189-90; Gaz. vol. 134; p. 2061.
 Butchering-tool. F. Schmit. No. 881,828; Mar. 10; Sp. p. 2651; Dr. p. 568; Gaz. vol. 133; p. 471.
 Butcher's apron and frock, Combined. W. C. P. Baldwin. No. 884,063; Apr. 7; Sp. p. 793; Dr. p. 167; Gaz. vol. 133; p. 1320.
 Butcher's block. L. Rowe. No. 886,077; Apr. 28; Sp. p. 4963; Dr. p. 1044; Gaz. vol. 133; p. 2065.
 Butter-box fastener. G. E. Woodbury. No. 897,442; Sept. 1; Sp. p. 418; Dr. p. 89; Gaz. vol. 136; p. 65.
 Butter, cheese, and the like, Machine for cutting. F. G. Hodell. No. 899,533; Sept. 29; Sp. p. 4517; Dr. p. 970; Gaz. vol. 136; p. 868.
 Butter-cutter. F. Barber. No. 876,130; Jan. 7; Sp. p. 873; Dr. p. 188; Gaz. vol. 132; p. 148.
 Butter-cutter. C. P. Ross. No. 888,746; May 26; Sp. p. 4847; Dr. p. 1034; Gaz. vol. 134; p. 880.
 Butter-cutter. W. H. and A. G. Noack. No. 890,169; June 9; Sp. p. 1953; Dr. p. 430; Gaz. vol. 134; p. 1401.
 Butter-cutter. L. B. Larsen. No. 893,591; July 14; Sp. p. 2464; Dr. p. 512; Gaz. vol. 135; p. 426.
 Butter-cutter. J. N. Jacobsen. No. 903,981; Nov. 17; Sp. p. 2935; Gaz. vol. 137; p. 536.
 Butter-cutting machine. F. J. Ziegler. No. 883,847; Apr. 7; Sp. p. 358; Dr. p. 69; Gaz. vol. 133; p. 1248.
 Butter-cutting machine. R. F. Stewart. No. 886,088; Apr. 28; Sp. p. 4981; Dr. p. 1043; Gaz. vol. 133; p. 2068.
 Butter-cutting machine. S. B. Friday. No. 896,718; Aug. 25; Sp. p. 3852; Dr. pp. 833-4; Gaz. vol. 135; p. 1595.
 Butter fat from fresh milk or cream, Extracting. M. E. Stro. No. 889,060; May 26; Sp. p. 5500; Gaz. vol. 134; p. 983.
 Butter, Granulating and purifying. F. Seim. No. 898,070; Sept. 8; Sp. p. 1718; Dr. p. 364; Gaz. vol. 136; p. 301.
 Butter granulator and purifier. F. Seim. No. 898,011; Sept. 8; Sp. p. 1593; Dr. p. 340; Gaz. vol. 136; p. 282.
 Butter, &c., Machine for cutting. C. E. and O. W. Roberts. No. 875,737; Jan. 7; Sp. p. 114; Dr. p. 25; Gaz. vol. 132; p. 24.
 Butter, &c., Machine for cutting. C. E. and O. W. Roberts. No. 875,738; Jan. 7; Sp. p. 118; Dr. pp. 25-6; Gaz. vol. 132; p. 24.
 Butter, &c., Machine for cutting. C. E. and O. W. Roberts. No. 875,739; Jan. 7; Sp. p. 121; Dr. p. 26; Gaz. vol. 132; p. 24.
 Butter, &c., Machine for cutting. J. H. Maurer. No. 883,037; Mar. 24; Sp. p. 5057; Dr. p. 1078; Gaz. vol. 133; p. 928.
 Butter, Making. G. V. Frye and F. B. Hinkson. No. 888,076; May 19; Sp. p. 3513; Gaz. vol. 134; p. 630.
 Butter-mold. E. K. Frank. No. 890,351; June 9; Sp. p. 2347; Dr. p. 518; Gaz. vol. 134; p. 1460.
 Butter-mold. E. Huber. No. 893,501; July 14; Sp. p. 2265; Dr. p. 475; Gaz. vol. 135; p. 397.
 Butter-mold. J. N. Jacobsen. No. 903,982; Nov. 17; Sp. p. 2938; Gaz. vol. 137; p. 536.
 Butter mold and cutter. A. P. Griffen. No. 904,421; Nov. 17; Sp. p. 3856; Gaz. vol. 137; p. 686.
 Butter-molding machine. C. H. Prescott. No. 897,487; Sept. 1; Sp. p. 503; Dr. p. 107; Gaz. vol. 136; p. 80.
 Butter, oils, &c., Renovating. W. F. Jensen. No. 881,929; Mar. 17; Sp. p. 2891; Dr. p. 617; Gaz. vol. 133; p. 534.
 Butter-packing machine. J. Mattson. No. 899,119; Sept. 22; Sp. p. 3696; Dr. pp. 792-3; Gaz. vol. 136; p. 693.
 Butter-printing machine. J. R. Prouty. No. 883,345; Mar. 31; Sp. p. 5680; Dr. pp. 1213-14; Gaz. vol. 133; p. 1058.
 Butter-separator. J. M. Fleming. No. 905,302; Dec. 1; Sp. p. 333; Gaz. vol. 137; p. 1042.
 Butter-separator, Pneumatic. L. Lillard. No. 903,298; Nov. 10; Sp. p. 1523; Gaz. vol. 137; p. 281.
 Butter, Washing. V. G. Smith. No. 881,630; Mar. 10; Sp. p. 2276; Dr. p. 494; Gaz. vol. 133; p. 409.
 Butterin, Manufacturing. H. H. and E. Schou. No. 904,231; Nov. 17; Sp. p. 3474; Gaz. vol. 137; p. 623.
 Button. K. Schuster. No. 876,242; Jan. 7; Sp. p. 1080; Dr. p. 236; Gaz. vol. 132; p. 183.
 Button. T. J. McGovern. No. 878,149; Feb. 4; Sp. p. 501; Dr. p. 107; Gaz. vol. 132; p. 932.
 Button. A. Effenberger. No. 880,725; Mar. 3; Sp. p. 470; Dr. p. 99; Gaz. vol. 133; p. 82.
 Button. W. Raum. No. 884,205; Apr. 7; Sp. p. 1116; Dr. p. 234; Gaz. vol. 133; p. 1366.
 Button. H. R. Kohlweyer. No. 890,364; June 9; Sp. p. 2372; Dr. p. 523; Gaz. vol. 134; p. 1464.
 Button. C. A. Shields. No. 893,945; July 21; Sp. p. 3258; Dr. p. 671; Gaz. vol. 135; p. 572.
 Button. A. Swanson. No. 894,080; July 21; Sp. p. 3550; Dr. p. 728; Gaz. vol. 135; p. 619.
 Button. J. Niederer. No. 895,293; Aug. 4; Sp. p. 1063; Dr. p. 222; Gaz. vol. 135; p. 1068.

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- Button. S. A. French. No. 895,740; Aug. 11; Sp. p. 1934; Dr. p. 409; Gaz. vol. 135; p. 1237.
- Button. A. Hall. No. 899,528; Sept. 29; Sp. p. 4510; Dr. p. 968; Gaz. vol. 136; p. 866.
- Button. J. G. Breitenstein. No. 899,824; Sept. 29; Sp. p. 5136; Dr. p. 1098; Gaz. vol. 136; p. 964.
- Button. N. C. Newell. No. 905,741; Dec. 1; Sp. p. 1245; Gaz. vol. 137; p. 1186.
- Button. W. A. Tellow. No. 906,335; Dec. 8; Sp. p. 2396; Gaz. vol. 137; p. 1411.
- Button. F. Oldfield. No. 907,865; Dec. 29; Sp. p. 5429; Gaz. vol. 137; p. 1999.
- Button. C. A. Findley. No. 908,231; Dec. 29; Sp. p. 6228; Gaz. vol. 137; p. 2121.
- Button and button-fastening. G. W. McGill. No. 892,003; June 30; Sp. p. 5744; Dr. p. 1235; Gaz. vol. 134; p. 2099.
- Button and garment-supporter, Combined. M. M. Strauss. No. 882,027; Mar. 17; Sp. p. 3108; Dr. p. 661; Gaz. vol. 133; p. 566.
- Button-attaching machine. F. R. White. No. 908,178; Dec. 29; Sp. p. 6084; Gaz. vol. 137; p. 2102.
- Button-blank conveying and distributing machine. I. De Francisci. No. 901,893; Oct. 20; Sp. p. 3808; Dr. pp. 776-7; Gaz. vol. 136; p. 1731.
- Button-blank-cutting machine. G. W. Schreurs. No. 882,426; Mar. 17; Sp. p. 3840; Dr. p. 820; Gaz. vol. 133; p. 695.
- Button-blank-cutting machine. N. Barry, Jr. No. 897,187; Aug. 25; Sp. p. 4850; Dr. pp. 1031-2; Gaz. vol. 135; p. 1750.
- Button-blanks from shells, Machine for cutting. A. P. Wallace. No. 904,103; Nov. 17; Sp. p. 3178; Gaz. vol. 137; p. 577.
- Button, brooch, belt-clasp, &c., made from horn and hoof. F. H. Grove. No. 895,746; Aug. 11; Sp. p. 1945; Dr. p. 411; Gaz. vol. 135; p. 1238.
- Button, Collar-. D. A. Hart. No. 882,062; Mar. 17; Sp. p. 3173; Dr. p. 675; Gaz. vol. 133; p. 577.
- Button, Collar-. C. A. Kieffer. No. 884,092; Apr. 7; Sp. p. 857; Dr. p. 180; Gaz. vol. 133; p. 1329.
- Button, Collar-. H. J. Wyllie. No. 885,416; Apr. 21; Sp. p. 3606; Dr. p. 756; Gaz. vol. 133; p. 1822.
- Button, Collar-. B. Brand. No. 891,229; June 23; Sp. p. 4143; Dr. p. 907; Gaz. vol. 134; p. 1812.
- Button, Collar-. E. W. Reed, Sr. No. 893,013; July 14; Sp. p. 1279; Dr. p. 269; Gaz. vol. 135; p. 238.
- Button, Collar-. L. Heynemann. No. 904,437; Nov. 17; Sp. p. 3892; Gaz. vol. 137; p. 691.
- Button, Collar and cuff. E. C. Treas. No. 884,054; Apr. 7; Sp. p. 779; Dr. p. 162; Gaz. vol. 133; p. 1317.
- Button, Cuff-. G. W. Dover. No. 878,616; Feb. 11; Sp. p. 1567; Dr. p. 318; Gaz. vol. 132; p. 1122.
- Button, Cuff-. H. C. Ward. No. 888,860; May 26; Sp. p. 5112; Dr. p. 1089; Gaz. vol. 134; p. 917.
- Button, Cuff-. J. Pejchar. No. 890,872; June 16; Sp. p. 3405; Dr. p. 746; Gaz. vol. 134; p. 1663.
- Button, Cuff-. P. Truccot. No. 902,780; Nov. 3; Sp. p. 475; Gaz. vol. 137; p. 83.
- Button cutting and shaping machine, Automatic. W. S. Watson. No. 880,431; Feb. 25; Sp. p. 5241; Dr. pp. 1102-3; Gaz. vol. 132; p. 1787.
- Button cutting and shaping machine, Automatic. W. S. Watson. No. 897,691; Sept. 1; Sp. p. 907; Dr. pp. 194-5; Gaz. vol. 136; p. 146.
- Button, Detachable. N. Illoway. No. 881,473; Mar. 10; Sp. p. 1963; Dr. p. 427; Gaz. vol. 133; p. 356.
- Button, Detachable. L. Y. Smith. No. 885,879; Apr. 28; Sp. p. 4546; Dr. p. 954; Gaz. vol. 133; p. 2000.
- Button, Detachable. P. M. Coyne. No. 891,595; June 23; Sp. p. 4888; Dr. p. 1053; Gaz. vol. 134; p. 1930.
- Button, Display or campaign. E. H. Roy. No. 889,549; June 2; Sp. p. 718; Dr. p. 165; Gaz. vol. 134; p. 1172.
- Button-fastener. M. B. Ryan. No. 886,731; May 5; Sp. p. 814; Dr. p. 168; Gaz. vol. 134; p. 135.
- Button-fastener. T. R. Hyde, Jr. No. 889,133; May 26; Sp. p. 5665; Dr. p. 1199; Gaz. vol. 134; p. 1006.
- Button-fastener. F. E. Warner. No. 892,784; July 7; Sp. p. 773; Dr. p. 163; Gaz. vol. 135; p. 132.
- Button-fastener. J. Cohn. No. 903,674; Nov. 10; Sp. p. 2284; Gaz. vol. 137; p. 403.
- Button-fastener. M. S. Mason. No. 904,976; Nov. 24; Sp. p. 5038; Gaz. vol. 137; p. 898.
- Button for boot and shoe lasts, Adjustable. J. B. Monroe. No. 887,214; May 12; Sp. p. 1716; Dr. p. 365; Gaz. vol. 134; p. 314.
- Button, Garment-. L. D. Van Valkenburg. No. 900,134; Oct. 6; Sp. p. 132; Dr. p. 28; Gaz. vol. 136; p. 1094.
- Button-holder. L. J. Fleckenstein. No. 880,646; Mar. 3; Sp. p. 313; Dr. p. 69; Gaz. vol. 133; p. 55.
- Button-hook. J. Melnick. No. 901,248; Oct. 13; Sp. p. 2415; Dr. p. 495; Gaz. vol. 136; p. 1482.
- Button-like dress-fastening. R. W. C. Palmer. No. 896,041; Aug. 11; Sp. p. 2528; Dr. p. 550; Gaz. vol. 135; p. 1334.
- Button, Link cuff-. F. R. Stafford. No. 893,109; July 14; Sp. p. 1463; Dr. p. 308; Gaz. vol. 135; p. 269.
- Button-making and like purposes, Press for. J. G. Breitenstein. No. 899,098; Sept. 22; Sp. p. 3664; Dr. pp. 784-5; Gaz. vol. 136; p. 691.
- Button-matcher. E. L. Buxbaum. No. 903,270; Nov. 10; Sp. p. 1478; Gaz. vol. 137; p. 273.
- Button, Mechanical. F. Stashko. No. 878,683; Feb. 11; Sp. p. 1684; Dr. p. 348; Gaz. vol. 132; p. 1144.
- Button or badge. J. B. McDonald. No. 889,714; June 2; Sp. p. 1034; Dr. p. 239; Gaz. vol. 134; p. 1225.
- Button pencil-holder. E. D. Conklin. No. 901,886; Oct. 20; Sp. p. 3796; Dr. p. 772; Gaz. vol. 136; p. 1729.
- Button-polishing tongs. W. Tilson. No. 906,169; Dec. 8; Sp. p. 2075; Gaz. vol. 137; p. 1355.
- Button, Push-. H. Wilhelm. No. 906,762; Dec. 15; Sp. p. 3191; Gaz. vol. 137; p. 1571.
- Button, Separable. J. Plaut. No. 877,367; Jan. 21; Sp. p. 3453; Dr. p. 749; Gaz. vol. 132; p. 629.
- Button, Separable cuff link-. F. P. Barney. No. 885,135; Apr. 21; Sp. p. 3014; Dr. p. 636; Gaz. vol. 133; p. 1729.
- Button, Tufting-. J. W. Gunther. No. 884,273; Apr. 7; Sp. p. 1233; Dr. p. 259; Gaz. vol. 133; p. 1388.
- Button, Tufting-. P. Colgan. No. 904,842; Nov. 24; Sp. p. 4762; Gaz. vol. 137; p. 854.
- Button, Upholsterer's. H. L. E. Krueger. No. 899,601; Sept. 29; Sp. p. 4668; Dr. p. 1001; Gaz. vol. 136; p. 891.
- Buttonner and shoe-horn, Combined shoe-. S. J. Rivoire. No. 903,320; Nov. 10; Sp. p. 1560; Gaz. vol. 137; p. 288.
- Buttonner, Shoe-. D. Crane. No. 894,190; July 28; Sp. p. 3787; Dr. p. 784; Gaz. vol. 135; p. 674.
- Buttoning device, Collar-. F. Bailey. No. 878,598; Feb. 11; Sp. p. 1525; Dr. p. 310; Gaz. vol. 132; p. 1116.
- Buttonhole cutter or shears. G. T. Barr. No. 881,890; Mar. 17; Sp. p. 2815; Dr. p. 601; Gaz. vol. 133; p. 521.
- Buttonhole-finishing machine. F. A. Read. No. 905,101; Nov. 24; Sp. p. 5279; Gaz. vol. 137; p. 940.
- Buttonhole-machine. G. W. Nelson. No. 887,503; May 12; Sp. p. 2402; Dr. p. 506; Gaz. vol. 134; p. 413.
- Buttonhole-pieces, Apparatus for attaching stay-cords to. M. C. Thayer. No. 888,272; May 19; Sp. p. 3880; Dr. p. 817; Gaz. vol. 134; p. 694.
- Buttonhole-protector. L. Schiff. No. 889,405; June 2; Sp. p. 434; Dr. p. 103; Gaz. vol. 134; p. 1126.
- Buttonhole-tape. A. Bernstein. No. 886,924; May 5; Sp. p. 1175; Dr. p. 247; Gaz. vol. 134; p. 194.
- By-pass. E. Burhorn. No. 900,479; Oct. 6; Sp. p. 869; Dr. pp. 177-8; Gaz. vol. 136; p. 1207.
- Cab-light. J. W. Woodling and B. H. Confer. No. 893,689; July 21; Sp. p. 2658; Dr. p. 558; Gaz. vol. 135; p. 488.
- Cab signal system. D. P. Thomson. No. 881,635; Mar. 10; Sp. p. 2283; Dr. p. 495; Gaz. vol. 133; p. 411.
- Cab signal system. D. J. McCarthy. No. 901,250; Oct. 13; Sp. p. 2418; Dr. p. 496; Gaz. vol. 136; p. 1489.
- Cabbage-cutting machine. C. W. Hottman. No. 898,109; Sept. 8; Sp. p. 1794; Dr. p. 381; Gaz. vol. 136; p. 313.
- Cabinet. S. D. Newman. No. 878,228; Feb. 4; Sp. p. 689; Dr. p. 142; Gaz. vol. 132; p. 958.
- Cabinet. C. Zimmerli. No. 879,233; Feb. 18; Sp. p. 2743; Dr. p. 573; Gaz. vol. 132; p. 1360.
- Cabinet. C. L. Luthardt. No. 884,178; Apr. 7; Sp. p. 1068; Dr. p. 222; Gaz. vol. 133; p. 1357.
- Cabinet. G. Range. No. 884,758; Apr. 14; Sp. p. 2246; Dr. p. 473; Gaz. vol. 133; p. 1577.
- Cabinet. L. E. Hudson. No. 886,000; Apr. 28; Sp. p. 4814; Dr. p. 1011; Gaz. vol. 133; p. 2041.
- Cabinet. W. Person. No. 888,735; May 26; Sp. p. 4828; Dr. p. 1030; Gaz. vol. 134; p. 877.
- Cabinet. H. Abrahamson. No. 894,871; Aug. 4; Sp. p. 134; Dr. p. 30; Gaz. vol. 135; p. 923.
- Cabinet. J. H. D. Everett. No. 895,007; Aug. 4; Sp. p. 474; Dr. p. 96; Gaz. vol. 135; p. 970.
- Cabinet. H. Heilmann. No. 896,017; Aug. 11; Sp. p. 2487; Dr. p. 538; Gaz. vol. 135; p. 1325.
- Cabinet. C. R. Wegener and H. E. Hanson. No. 899,147; Sept. 22; Sp. p. 3764; Dr. pp. 805-6; Gaz. vol. 136; p. 708.
- Cabinet, Account-. J. S. Bash. No. 900,646; Oct. 6; Sp. p. 1235; Dr. p. 253; Gaz. vol. 136; p. 1262.
- Cabinet and pastry-board, Combined spice-. W. Flanders. No. 894,823; Aug. 4; Sp. p. 46; Dr. p. 10; Gaz. vol. 135; p. 908.
- Cabinet, Automatic seed-. S. B. Powers. No. 883,233; Mar. 31; Sp. p. 5470; Dr. p. 1166; Gaz. vol. 133; p. 1023.
- Cabinet, Barber's. W. Maibaum. No. 885,497; Apr. 21; Sp. p. 3739; Dr. p. 787; Gaz. vol. 133; p. 1847.
- Cabinet, Bin-. C. F. Kurz. No. 888,513; May 26; Sp. p. 4372; Dr. p. 926; Gaz. vol. 134; p. 802.
- Cabinet, Bin-. C. F. Kurz. No. 904,622; Nov. 24; Sp. p. 4282; Gaz. vol. 137; p. 780.
- Cabinet, Boot-black's. C. I. Wetsell. No. 895,705; Aug. 11; Sp. p. 1852; Dr. p. 393; Gaz. vol. 135; p. 1225.
- Cabinet, Cheese-. C. C. Brown. No. 899,945; Sept. 29; Sp. p. 5397; Dr. p. 1151; Gaz. vol. 136; p. 1001.
- Cabinet, Commodity-. J. H. Boye. No. 877,290; Jan. 21; Sp. p. 3304; Dr. p. 715; Gaz. vol. 132; p. 605.
- Cabinet, Credit-. R. M. Vick. No. 890,109; June 9; Sp. p. 1825; Dr. p. 403; Gaz. vol. 134; p. 1382.
- Cabinet, Dispensing-. L. Lammer. No. 886,823; May 5; Sp. p. 993; Dr. p. 209; Gaz. vol. 134; p. 162.
- Cabinet, Dispensing-. S. Wheeler. No. 907,928; Dec. 29; Sp. p. 5564; Gaz. vol. 137; p. 2018.
- Cabinet, Display-. H. J. Wolslayer. No. 907,935; Dec. 29; Sp. p. 5577; Gaz. vol. 137; p. 2021.
- Cabinet, Display-. L. T. Martin. No. 908,296; Dec. 29; Sp. p. 6332; Gaz. vol. 137; p. 2141.
- Cabinet, Drawer-. C. F. Kurz. No. 888,512; May 26; Sp. p. 4369; Dr. p. 926; Gaz. vol. 134; p. 801.
- Cabinet-drawer. H. Somborn. No. 907,965; Dec. 29; Sp. p. 5516; Gaz. vol. 137; p. 2010.
- Cabinet, Filing-. E. D. Trautman and G. Jacobs. No. 908,169; Dec. 29; Sp. p. 6064; Gaz. vol. 137; p. 2098.
- Cabinet for holding disk records. C. H. Proglar. No. 881,950; Mar. 17; Sp. p. 2933; Dr. p. 626; Gaz. vol. 133; p. 541.
- Cabinet for laces, trimmings, &c. J. A. Chilstrom. No. 893,983; July 21; Sp. p. 3357; Dr. p. 687; Gaz. vol. 135; p. 586.
- Cabinet, Index-. C. E. Flanders. No. 903,368; Nov. 10; Sp. p. 1660; Gaz. vol. 137; p. 304.

Alphabetical list of inventions—Continued.

- Cabinet, Ironing-. B. A. Stocking. No. 899,633; Sept. 29; Sp. p. 4742; Dr. p. 1015; Gaz. vol. 136; p. 901.
 Cabinet, Kitchen-. J. H. Couper and W. L. Albright. No. 876,335; Jan. 14; Sp. p. 1283; Dr. p. 279; Gaz. vol. 132; p. 245.
 Cabinet, Kitchen-. R. Beverly. No. 880,185; Feb. 25; Sp. p. 4733; Dr. p. 1002; Gaz. vol. 132; p. 1704.
 Cabinet, Kitchen-. W. M. Henson. No. 880,885; Mar. 3; Sp. p. 821; Dr. p. 174; Gaz. vol. 133; p. 138.
 Cabinet, Kitchen-. E. M. Bennett. No. 882,368; Mar. 17; Sp. p. 3753; Dr. pp. 798-9; Gaz. vol. 133; p. 676.
 Cabinet, Kitchen-. L. Will. No. 887,108; May 12; Sp. p. 1631; Dr. p. 347; Gaz. vol. 134; p. 300.
 Cabinet, Kitchen-. A. E. Bonesteel. No. 888,142; May 19; Sp. p. 3644; Dr. p. 763; Gaz. vol. 134; p. 651.
 Cabinet, Kitchen-. R. P. Dewey. No. 888,966; May 26; Sp. p. 5342; Dr. p. 1134; Gaz. vol. 134; p. 953.
 Cabinet, Kitchen-. W. H. Curtice and V. O. Rosser. No. 889,766; June 2; Sp. p. 1124; Dr. p. 261; Gaz. vol. 134; p. 1240.
 Cabinet, Kitchen-. H. and G. R. Harrild. No. 893,492; July 14; Sp. p. 2246; Dr. p. 470; Gaz. vol. 135; p. 394.
 Cabinet, Kitchen supply-. C. A. Hornig. No. 899,399; Sept. 22; Sp. p. 4249; Dr. p. 912; Gaz. vol. 136; p. 788.
 Cabinet, Lace-. R. W. Irish. No. 904,699; Nov. 24; Sp. p. 4450; Gaz. vol. 137; p. 807.
 Cabinet, Lace-. J. Keel. No. 907,605; Dec. 22; Sp. p. 4874; Gaz. vol. 137; p. 1833.
 Cabinet, Laundry-. W. P. Berry. No. 900,347; Oct. 6; Sp. p. 577; Dr. pp. 119-20; Gaz. vol. 136; p. 1163.
 Cabinet, Medical-. J. S. Wailes. No. 895,919; Aug. 11; Sp. p. 2280; Dr. p. 487; Gaz. vol. 135; p. 1294.
 Cabinet or nest of trays. G. Strong. No. 884,428; Apr. 14; Sp. p. 1531; Dr. pp. 327-8; Gaz. vol. 133; p. 1467.
 Cabinet, Physician's. C. H. Lind. No. 888,104; May 19; Sp. p. 3582; Dr. p. 749; Gaz. vol. 134; p. 640.
 Cabinet, Portable developing-. E. H. Brown. No. 903,052; Nov. 3; Sp. p. 1047; Gaz. vol. 137; p. 171.
 Cabinet, Post-card. F. A. Dabney and W. Smith. No. 905,993; Dec. 8; Sp. p. 1740; Gaz. vol. 137; p. 1298.
 Cabinet, Retouching-. J. M. Stonestreet. No. 884,535; Apr. 14; Sp. p. 1753; Dr. p. 377; Gaz. vol. 133; p. 1501.
 Cabinet, Revolving. H. W. Anderson. No. 905,975; Dec. 8; Sp. p. 1691; Gaz. vol. 137; p. 1291.
 Cabinet, Rural-free-delivery-carrier's. B. C. Hamer. No. 903,565; Nov. 10; Sp. p. 2066; Gaz. vol. 137; p. 369.
 Cabinet, Sale-. R. R. Ricketts. No. 891,862; June 30; Sp. p. 5465; Dr. p. 1181; Gaz. vol. 134; p. 2053.
 Cabinet, Sales checking and record. G. C. Voisard. No. 898,534; Sept. 15; Sp. p. 2612; Dr. p. 557; Gaz. vol. 136; p. 481.
 Cabinet, Sectional knockdown. J. F. Wilmot. No. 884,550; Apr. 14; Sp. p. 1788; Dr. p. 384; Gaz. vol. 133; p. 1508.
 Cabinet, Sectional metallic. J. F. Kerr. No. 907,507; Dec. 22; Sp. p. 4658; Gaz. vol. 137; p. 1851.
 Cabinet, Seed-. T. A. Bateman. No. 901,868; Oct. 20; Sp. p. 3764; Dr. p. 765; Gaz. vol. 136; p. 1723.
 Cabinet, Sheet-metal. C. D. Montague. No. 893,187; July 14; Sp. p. 1622; Dr. p. 342; Gaz. vol. 135; p. 294.
 Cabinet, Storage-. U. W. Mashtab. No. 895,874; Aug. 11; Sp. p. 2203; Dr. p. 469; Gaz. vol. 135; p. 1279.
 Cabinet, Store-. T. B. Weston. No. 899,195; Sept. 22; Sp. p. 3864; Dr. p. 836; Gaz. vol. 136; p. 723.
 Cabinet table, Kitchen-. W. A. Campbell. No. 878,769; Feb. 11; Sp. p. 1855; Dr. p. 383; Gaz. vol. 132; p. 1171.
 Cabinet top, Sliding. J. W. Connaty. No. 901,887; Oct. 20; Sp. p. 3797; Dr. p. 773; Gaz. vol. 136; p. 1729.
 Cabinet, Waiter's. B. H. Farrell. No. 877,065; Jan. 21; Sp. p. 2844; Dr. p. 614; Gaz. vol. 132; p. 530.
 Cabinet, Waiter's. B. H. Farrell. No. 891,155; June 16; Sp. p. 3954; Dr. pp. 867-8; Gaz. vol. 134; p. 1753.
 Cabinet, Wall-. T. Kunditz. No. 902,664; Nov. 3; Sp. p. 255; Gaz. vol. 137; p. 44.
 Cabinet, Wall-. T. Kunditz. No. 902,665; Nov. 3; Sp. p. 257; Gaz. vol. 137; p. 44.
 Cable-adjuster. M. W. Beardsley. No. 903,656; Nov. 10; Sp. p. 2249; Gaz. vol. 137; p. 398.
 Cable-clamp. H. B. Newhall. No. 899,757; Sept. 29; Sp. p. 4984; Dr. p. 1068; Gaz. vol. 136; p. 941.
 Cable-clip. S. H. Crampton. No. 890,125; June 9; Sp. p. 1861; Dr. p. 410; Gaz. vol. 134; p. 1387.
 Cable-connector. J. D. Firmin. No. 904,522; Nov. 24; Sp. p. 4093; Gaz. vol. 137; p. 746.
 Cable-driven means for operating machines. J. Wiebe. No. 908,367; Dec. 29; Sp. p. 6489; Gaz. vol. 137; p. 2167.
 Cable-drum. A. A. Pifer. No. 899,613; Sept. 29; Sp. p. 4684; Dr. p. 1005; Gaz. vol. 136; p. 894.
 Cable fastener or clamp. E. B. Feaster. No. 900,717; Oct. 13; Sp. p. 1384; Dr. p. 282; Gaz. vol. 136; p. 1312.
 Cable-grip. W. J. Selleck. No. 895,048; Aug. 4; Sp. p. 550; Dr. pp. 112-13; Gaz. vol. 135; p. 984.
 Cable-grip, Automatic. C. H. Startbird. No. 906,573; Dec. 15; Sp. p. 2825; Gaz. vol. 137; p. 1511.
 Cable-hanger. D. A. Reynolds. No. 879,586; Feb. 18; Sp. p. 3488; Dr. p. 731; Gaz. vol. 132; p. 1475.
 Cable-hanger. H. W. Peet. No. 886,634; May 5; Sp. p. 576; Dr. p. 121; Gaz. vol. 134; p. 101.
 Cable-hanger. J. D. E. Dunton. No. 895,171; Aug. 4; Sp. p. 784; Dr. p. 163; Gaz. vol. 135; p. 1025.
 Cable-hanger. C. G. Harrington. No. 905,873; Dec. 8; Sp. p. 1505; Gaz. vol. 137; p. 1260.
 Cable-hook. W. C. Terry. No. 894,349; July 28; Sp. p. 4132; Dr. p. 854; Gaz. vol. 135; p. 728.
 Cable-laying machine. G. W. Noble. No. 882,649; Mar. 24; Sp. p. 4291; Dr. p. 910; Gaz. vol. 133; p. 802.
 Cable or rope. G. Magaldi. No. 878,407; Feb. 4; Sp. p. 1037; Dr. pp. 209-10; Gaz. vol. 132; p. 1018.
 Cable or rope guide. J. C. Elzy and E. E. Anderson. No. 901,794; Oct. 20; Sp. p. 3641; Dr. p. 736; Gaz. vol. 136; p. 1701.
 Cable-power. C. J. Eastman. No. 900,060; Sept. 29; Sp. p. 5655; Dr. p. 1208; Gaz. vol. 136; p. 1040.
 Cable-raising or separating device. A. G. Gillespie and W. E. Potter. No. 893,319; July 14; Sp. p. 1874; Dr. p. 393; Gaz. vol. 135; p. 337.
 Cable-reel. E. Rosenberg. No. 882,587; Mar. 24; Sp. p. 4165; Dr. p. 883; Gaz. vol. 133; p. 780.
 Cable-support. E. A. Hawkins. No. 901,706; Oct. 20; Sp. p. 3466; Dr. p. 702; Gaz. vol. 136; p. 1673.
 Cable-support and wire-clip. Combined. F. D. Ogden. No. 888,349; May 19; Sp. p. 4031; Dr. p. 850; Gaz. vol. 134; p. 718.
 Cable-switch. E. H. Fryor. No. 890,374; June 9; Sp. p. 2388; Dr. p. 526; Gaz. vol. 134; p. 1467.
 Cable tension-reel. J. A. Moser. No. 888,639; May 26; Sp. p. 4645; Dr. p. 985; Gaz. vol. 134; p. 847.
 Cable-terminal. F. B. Cook. No. 879,035; Feb. 11; Sp. p. 2343; Dr. p. 490; Gaz. vol. 132; p. 1254.
 Cable terminal. F. B. Cook. No. 883,625; Mar. 31; Sp. p. 6270; Dr. pp. 1337-8; Gaz. vol. 133; p. 1148.
 Cable-terminal. F. B. Cook. No. 889,442; June 2; Sp. p. 501; Dr. p. 119; Gaz. vol. 134; p. 1138.
 Cable-terminal. F. B. Cook. No. 897,062; Aug. 25; Sp. p. 4629; Dr. pp. 985-6; Gaz. vol. 135; p. 1712.
 Cable-terminal. J. E. McMeen. No. 905,347; Dec. 1; Sp. p. 433; Gaz. vol. 137; p. 1050.
 Cable-tip. L. Kellner. No. 902,235; Oct. 27; Sp. p. 4526; Dr. p. 916; Gaz. vol. 136; p. 1871.
 Cable-trace. S. Shisler. No. 902,844; Nov. 3; Sp. p. 635; Gaz. vol. 137; p. 106.
 Cables, Traction apparatus for stationary. O. A. Ellis. No. 880,869; Mar. 3; Sp. p. 791; Dr. pp. 167-8; Gaz. vol. 133; p. 132.
 Cable-transporter. J. R. and J. Temperley and W. Alexander. No. 887,873; May 19; Sp. p. 3135; Dr. pp. 658-60; Gaz. vol. 134; p. 565.
 Cables, Connecting-conductor for. F. S. Vield. No. 888,674; May 26; Sp. p. 4722; Dr. p. 1004; Gaz. vol. 134; p. 859.
 Cables, Relief-grip for. J. H. Colby. No. 899,786; Sept. 29; Sp. p. 5059; Dr. p. 1083; Gaz. vol. 136; p. 952.
 Cables, Splice-coupling for. E. J. Noblett. No. 898,595; Sept. 15; Sp. p. 2725; Dr. p. 583; Gaz. vol. 136; p. 500.
 Cableway. T. S. Miller. No. 907,845; Dec. 29; Sp. p. 5381; Gaz. vol. 137; p. 1992.
 Cableway, Aerial. F. B. Dye. No. 900,713; Oct. 13; Sp. p. 1375; Dr. p. 280; Gaz. vol. 136; p. 1311.
 Cableway, Marine. T. S. Miller. No. 889,387; June 2; Sp. p. 398; Dr. p. 94; Gaz. vol. 134; p. 1121.
 Cager and automatic sump-guard. G. Holmes. No. 889,307; June 2; Sp. p. 228; Dr. p. 56; Gaz. vol. 134; p. 1095.
 Caisson. O. C. Edwards, Jr. No. 888,479; May 26; Sp. p. 4309; Dr. pp. 911-12; Gaz. vol. 134; p. 791.
 Caisson construction. A. Z. McLeod. No. 876,827; Jan. 14; Sp. p. 2309; Dr. p. 508; Gaz. vol. 132; p. 408.
 Caisson, Pneumatic. O. C. Edwards, Jr. No. 877,308; Jan. 21; Sp. p. 3347; Dr. p. 725; Gaz. vol. 132; p. 611.
 Caisson, Pneumatic. O. C. Edwards, Jr. No. 895,543; Aug. 11; Sp. p. 1541; Dr. p. 326; Gaz. vol. 135; p. 1173.
 Cake-coating machine. P. D. Harton. No. 895,856; Aug. 11; Sp. p. 2169; Dr. pp. 460-1; Gaz. vol. 135; p. 1274.
 Cake-cutter. B. B. Smith and G. L. Gay, Jr. No. 875,960; Jan. 7; Sp. p. 632; Dr. p. 114; Gaz. vol. 132; p. 93.
 Cake-cutting guide and gage. E. Rexer. No. 892,552; July 7; Sp. p. 307; Dr. p. 67; Gaz. vol. 135; p. 58.
 Cake-hive. E. C. Olson. No. 877,796; Jan. 28; Sp. p. 4293; Dr. p. 932; Gaz. vol. 132; p. 788.
 Cake-holder for conveyers. H. B. Ward. No. 886,101; Apr. 28; Sp. p. 5014; Dr. p. 1055; Gaz. vol. 133; p. 2073.
 Cake-mixer. A. Tomlinson. No. 895,315; Aug. 4; Sp. p. 1097; Dr. p. 230; Gaz. vol. 135; p. 1075.
 Cake-mixer and egg-beater. A. J. Saltzman. No. 900,210; Oct. 6; Sp. p. 291; Dr. p. 59; Gaz. vol. 136; p. 1119.
 Cake-pan. F. O. Michelson. No. 888,250; May 19; Sp. p. 3838; Dr. p. 806; Gaz. vol. 134; p. 657.
 Cake-turner. H. L. and H. K. Fairall and T. A. Ewing. No. 892,237; June 30; Sp. p. 6182; Dr. p. 1332; Gaz. vol. 134; p. 2175.
 Cake-turner. S. S. Eccleston. No. 895,352; Aug. 4; Sp. p. 1154; Dr. p. 242; Gaz. vol. 135; p. 1087.
 Calceiminer's knife. C. N. Emmerson. No. 898,568; Sept. 15; Sp. p. 2680; Dr. p. 572; Gaz. vol. 136; p. 492.
 Calciner. C. De Jonge and W. Nevers. No. 907,575; Dec. 22; Sp. p. 4779; Gaz. vol. 137; p. 1872.
 Calcium sulfate, Preparing. M. Wallerstein. No. 879,603; Feb. 18; Sp. p. 3536; Gaz. vol. 132; p. 1480.
 Calculating and recording machine. F. S. Baldwin. No. 890,888; June 16; Sp. p. 3432; Dr. pp. 752-4; Gaz. vol. 134; p. 1668.
 Calculating attachment. H. C. Dungan and J. M. Hucksins. No. 888,598; May 26; Sp. p. 4552; Dr. pp. 965-8; Gaz. vol. 134; p. 834.
 Calculating device. T. T. Crouch. No. 886,189; Apr. 28; Sp. p. 5174; Dr. pp. 1089-90; Gaz. vol. 133; p. 2101.
 Calculating-machine. H. E. Goldberg. No. 876,450; Jan. 14; Sp. p. 1538; Dr. p. 331; Gaz. vol. 132; p. 283.
 Calculating-machine. A. M. Johanson and I. Hultman. No. 878,292; Feb. 4; Sp. p. 819; Dr. p. 163; Gaz. vol. 132; p. 980.
 Calculating-machine. A. Müller. No. 878,413; Feb. 4; Sp. p. 1046; Dr. pp. 211-12; Gaz. vol. 132; p. 1020.
 Calculating-machine. C. J. Smith. No. 879,204; Feb. 18; Sp. p. 2694; Dr. p. 562; Gaz. vol. 132; p. 1350.
 Calculating-machine. E. S. Ensign. No. 879,449; Feb. 18; Sp. p. 3198; Dr. pp. 666-8; Gaz. vol. 132; p. 1431.
 Calculating-machine. H. E. Goldberg. No. 881,571; Mar. 10; Sp. p. 2140; Dr. pp. 467-8; Gaz. vol. 133; p. 389.
 Calculating-machine. H. E. Goldberg. No. 881,572; Mar. 10; Sp. p. 2145; Dr. pp. 468-9; Gaz. vol. 133; p. 390.

Alphabetical list of inventions—Continued.

- Calculating-machine. W. P. Quentell. No. 881,868; Mar. 10; Sp. p. 2743; Dr. p. 588; Gaz. vol. 133; p. 485.
 Calculating-machine. W. F. Hausstein. No. 882,387; Mar. 17; Sp. p. 3781; Dr. p. 807; Gaz. vol. 133; p. 682.
 Calculating-machine. W. F. Hausstein. No. 882,560; Mar. 24; Sp. p. 4111; Dr. p. 872; Gaz. vol. 133; p. 772.
 Calculating-machine. W. L. E. Keuffel. No. 882,567; Mar. 24; Sp. p. 4125; Dr. p. 875; Gaz. vol. 133; p. 774.
 Calculating-machine. C. M. Bernegau. No. 882,614; Mar. 24; Sp. p. 4221; Dr. pp. 894-5; Gaz. vol. 133; p. 790.
 Calculating-machine. W. F. Hausstein. No. 882,679; Mar. 24; Sp. p. 4351; Dr. pp. 925-6; Gaz. vol. 133; p. 812.
 Calculating-machine. W. F. Hausstein. No. 882,680; Mar. 24; Sp. p. 4352; Dr. p. 926; Gaz. vol. 133; p. 812.
 Calculating-machine. W. F. Hausstein. No. 883,403; Mar. 31; Sp. p. 5833; Dr. pp. 1243-4; Gaz. vol. 133; p. 1078.
 Calculating-machine. V. Odhner. No. 885,514; Apr. 21; Sp. p. 3769; Dr. p. 793; Gaz. vol. 133; p. 1852.
 Calculating-machine. W. P. Quentell. No. 888,262; May 19; Sp. p. 3857; Dr. pp. 810-11; Gaz. vol. 134; p. 691.
 Calculating-machine. E. J. Brandt. No. 889,353; June 2; Sp. p. 310; Dr. pp. 73-4; Gaz. vol. 134; p. 1108.
 Calculating-machine. E. S. Ensign. No. 889,668; June 2; Sp. p. 921; Dr. pp. 214-18; Gaz. vol. 134; p. 1210.
 Calculating-machine. A. Newman. No. 890,168; June 9; Sp. p. 1950; Dr. p. 430; Gaz. vol. 134; p. 1401.
 Calculating-machine. T. Bäuerle. No. 892,704; July 7; Sp. p. 604; Dr. p. 130; Gaz. vol. 135; p. 106.
 Calculating-machine. J. C. Wahl. No. 893,717; July 21; Sp. p. 2705; Dr. pp. 568-9; Gaz. vol. 135; p. 496.
 Calculating-machine. J. C. Wahl. No. 893,718; July 21; Sp. p. 2724; Dr. pp. 569-70; Gaz. vol. 135; p. 497.
 Calculating-machine. J. C. Wahl. No. 893,719; July 21; Sp. p. 2750; Dr. pp. 571-2; Gaz. vol. 135; p. 498.
 Calculating-machine. H. E. Goldberg. No. 893,720; July 21; Sp. p. 2774; Dr. pp. 572-4; Gaz. vol. 135; p. 498.
 Calculating-machine. H. E. Goldberg. No. 893,721; July 21; Sp. p. 2784; Dr. pp. 574-5; Gaz. vol. 135; p. 499.
 Calculating-machine. H. E. Goldberg. No. 893,722; July 21; Sp. p. 2790; Dr. pp. 575-6; Gaz. vol. 135; p. 499.
 Calculating-machine. H. E. Goldberg. No. 893,723; July 21; Sp. p. 2797; Dr. pp. 576-7; Gaz. vol. 135; p. 500.
 Calculating-machine. H. E. Goldberg. No. 893,724; July 21; Sp. p. 2806; Dr. pp. 577-8; Gaz. vol. 135; p. 500.
 Calculating-machine. H. E. Goldberg. No. 893,725; July 21; Sp. p. 2812; Dr. pp. 578-9; Gaz. vol. 135; p. 501.
 Calculating-machine. H. E. Goldberg. No. 893,726; July 21; Sp. p. 2819; Dr. p. 579; Gaz. vol. 135; p. 501.
 Calculating-machine. H. E. Goldberg. No. 893,727; July 21; Sp. p. 2824; Dr. p. 580; Gaz. vol. 135; p. 502.
 Calculating-machine. H. E. Goldberg. No. 893,728; July 21; Sp. p. 2827; Dr. pp. 580-1; Gaz. vol. 135; p. 502.
 Calculating-machine. G. H. Sears. No. 894,347; July 28; Sp. p. 4126; Dr. pp. 852-3; Gaz. vol. 135; p. 727.
 Calculating-machine. H. E. Goldberg. No. 896,821; Aug. 25; Sp. p. 4084; Dr. pp. 879-80; Gaz. vol. 135; p. 1630.
 Calculating-machine. J. C. Wahl and H. E. Goldberg. No. 896,871; Aug. 25; Sp. p. 4193; Dr. pp. 898-9; Gaz. vol. 135; p. 1648.
 Calculating-machine. R. Rein. No. 897,659; Sept. 1; Sp. p. 178; Dr. p. 178; Gaz. vol. 136; p. 135.
 Calculating-machine. C. L. Nelson. No. 897,768; Sept. 1; Sp. p. 1057; Dr. pp. 228-30; Gaz. vol. 136; p. 171.
 Calculating-machine. E. Schuster. No. 901,748; Oct. 20; Sp. p. 3541; Dr. p. 716; Gaz. vol. 136; p. 1686.
 Calculating-machine. E. Leder. No. 902,498; Oct. 27; Sp. p. 5100; Dr. p. 1033; Gaz. vol. 136; p. 1960.
 Calculating-machine. W. F. Hausstein. No. 905,424; Dec. 1; Sp. p. 627; Gaz. vol. 137; p. 1084.
 Calculating-machine for money and similar objects. M. G. Fröberg. No. 902,067; Oct. 27; Sp. p. 4184; Dr. pp. 847-8; Gaz. vol. 136; p. 1818.
 Calculating-machine motor-drive. F. M. Carroll. No. 905,146; Sp. p. 37; Gaz. vol. 137; p. 990.
 Calculating-machine-operating device. W. H. Pike, Jr. No. 904,561; Nov. 24; Sp. p. 4170; Gaz. vol. 137; p. 760.
 Calculating machine, Proportional-. C. R. Kelly. No. 879,178; Feb. 18; Sp. p. 2651; Dr. p. 553; Gaz. vol. 132; p. 1343.
 Calculating-machines, Operating device for. W. H. Pike, Jr. No. 876,232; Jan. 7; Sp. p. 1062; Dr. pp. 229-30; Gaz. vol. 132; p. 180.
 Calculating-machines, Power-transmitting mechanism for. C. N. McFarland. No. 902,103; Oct. 27; Sp. p. 4252; Dr. pp. 861-3; Gaz. vol. 136; p. 1829.
 Calculating or adding machine. W. P. Quentell. No. 881,717; Mar. 10; Sp. p. 2444; Dr. p. 526; Gaz. vol. 133; p. 435.
 Calculator. E. E. Clark. No. 879,145; Feb. 18; Sp. p. 2582; Dr. p. 538; Gaz. vol. 132; p. 1331.
 Calculator. J. E. Duncan. No. 886,588; May 5; Sp. p. 492; Dr. p. 106; Gaz. vol. 134; p. 88.
 Calculator, Interest-. W. J. Roche. No. 877,240; Jan. 21; Sp. p. 3194; Dr. p. 693; Gaz. vol. 132; p. 587.
 Calculator, Interest-. M. Katz. No. 892,526; July 7; Sp. p. 265; Dr. p. 56; Gaz. vol. 135; p. 49.
 Calendar. C. E. Rowe. No. 884,861; Apr. 14; Sp. p. 2455; Dr. p. 517; Gaz. vol. 133; p. 1611.
 Calendar. B. Borland. No. 885,222; Apr. 21; Sp. p. 3213; Dr. p. 670; Gaz. vol. 133; p. 1758.
 Calendar. E. K. Plough. No. 899,614; Sept. 29; Sp. p. 4685; Dr. p. 1005; Gaz. vol. 136; p. 895.
 Calendar. H. Taylor. No. 900,228; Oct. 6; Sp. p. 319; Dr. p. 66; Gaz. vol. 136; p. 1125.
 Calendar. H. E. Shedd. (Reissue). No. 12,861; Oct. 6; Sp. p. 1332; Dr. p. 271; Gaz. vol. 136; p. 1277.
 Calendar. J. Ferreres. No. 902,484; Oct. 27; Sp. p. 5065; Dr. p. 1024; Gaz. vol. 136; p. 1954.
 Calendar. C. F. Merrill. No. 906,645; Dec. 15; Sp. p. 2952; Gaz. vol. 137; p. 1533.
 Calendar and advertiser, Automatic. W. L. Ippenlatz and E. R. Martin. No. 883,716; Apr. 7; Sp. p. 77; Dr. p. 12; Gaz. vol. 133; p. 1205.
 Calendar and automatic date-indicator, Combined perpetual. A. G. Raymond. No. 890,926; June 16; Sp. p. 3515; Dr. pp. 769-70; Gaz. vol. 134; p. 1680.
 Calendar, Mechanical perpetual. J. S. Heithersay. No. 877,335; Jan. 21; Sp. p. 3392; Dr. p. 735; Gaz. vol. 132; p. 619.
 Calendar, Perpetual. S. Sipser. No. 884,532; Apr. 14; Sp. p. 1749; Dr. p. 376; Gaz. vol. 133; p. 1501.
 Calendar, Perpetual. W. B. Summerall. No. 886,255; Aug. 18; Sp. p. 2920; Dr. p. 629; Gaz. vol. 135; p. 1425.
 Calendar, Perpetual. A. W. Proctor. No. 900,310; Oct. 6; Sp. p. 509; Dr. p. 105; Gaz. vol. 136; p. 1152.
 Calendar, Perpetual. W. F. Hunt. No. 903,192; Nov. 10; Sp. p. 1312; Gaz. vol. 137; p. 245.
 Calendar, Perpetual daily. R. Inch and H. Cramer, Jr. No. 876,554; Jan. 14; Sp. p. 1766; Dr. p. 335; Gaz. vol. 132; p. 320.
 Calendar-stand. J. W. Tatum. No. 901,754; Oct. 20; Sp. p. 3554; Dr. p. 719; Gaz. vol. 136; p. 1688.
 Calendar-roll. J. Macadam. No. 907,829; Dec. 29; Sp. p. 5356; Gaz. vol. 137; p. 1987.
 Calendaring-machines, Contrivance for feeding moving fabrics into. W. Müller. No. 879,298; Feb. 18; Sp. p. 2888; Dr. p. 602; Gaz. vol. 132; p. 1582.
 Caliper-gage, Combination. C. A. Duncan. No. 898,565; Sept. 15; Sp. p. 2674; Dr. p. 572; Gaz. vol. 136; p. 491.
 Caliper gage, Inside-. L. S. Starrett and J. A. Adell. No. 905,110; Nov. 24; Sp. p. 5298; Gaz. vol. 137; p. 943.
 Calipers. J. J. and H. T. Collinet. No. 887,068; May 12; Sp. p. 1463; Dr. p. 310; Gaz. vol. 134; p. 269.
 Calipers. J. H. Londick. No. 890,242; June 9; Sp. p. 2107; Dr. p. 461; Gaz. vol. 134; p. 1425.
 Calipers. J. H. Londick. No. 890,287; June 9; Sp. p. 2220; Dr. p. 488; Gaz. vol. 134; p. 1439.
 Calipers. W. H. Watson. No. 897,437; Sept. 1; Sp. p. 408; Dr. p. 87; Gaz. vol. 136; p. 63.
 Calipers. H. J. Repp. No. 907,527; Dec. 22; Sp. p. 4691; Gaz. vol. 137; p. 1857.
 Calipers and dividers. A. F. Henrikson. No. 888,498; May 26; Sp. p. 4349; Dr. p. 920; Gaz. vol. 134; p. 797.
 Calipers, Measuring-. J. W. Marr. No. 883,660; Mar. 31; Sp. p. 6350; Dr. p. 1353; Gaz. vol. 133; p. 1159.
 Calipers, Micrometer-. F. O. Jaques, Jr. No. 902,492; Oct. 27; Sp. p. 5085; Dr. p. 1030; Gaz. vol. 136; p. 1957.
 Calipers, Micrometer. F. O. Jaques, Jr. No. 902,493; Oct. 27; Sp. p. 5087; Dr. p. 1031; Gaz. vol. 136; p. 1958.
 Calk-grinder. D. O'Neill. No. 876,224; Jan. 7; Sp. p. 1051; Dr. p. 227; Gaz. vol. 132; p. 177.
 Calk, Horseshoe-. G. E. Lindberg. No. 905,546; Dec. 1; Sp. p. 384; Gaz. vol. 137; p. 1125.
 Call apparatus, Selective. J. A. Hult. No. 896,832; Aug. 25; Sp. p. 4116; Dr. p. 883; Gaz. vol. 135; p. 1635.
 Call, Automatic class-. J. E. Hughes. No. 887,807; May 19; Sp. p. 2999; Dr. p. 630; Gaz. vol. 134; p. 544.
 Call-box. H. S. Bullock, Jr. No. 883,447; Mar. 31; Sp. p. 5931; Dr. p. 1265-6; Gaz. vol. 133; p. 1094.
 Call-register. E. P. Baird. No. 908,376; Dec. 29; Sp. p. 6515; Gaz. vol. 137; p. 2170.
 Calling-on signal, Automatic. W. H. Elliott. No. 897,607; Sept. 1; Sp. p. 750; Dr. p. 159; Gaz. vol. 136; p. 119.
 Caloric kiln. E. A. King. No. 900,742; Oct. 13; Sp. p. 1432; Dr. p. 291; Gaz. vol. 136; p. 1320.
 Calorimeter, Steam-. C. C. Thomas. No. 898,610; Sept. 15; Sp. p. 2756; Dr. p. 589; Gaz. vol. 136; p. 505.
 Cam. F. C. Westfahl. No. 877,687; Jan. 28; Sp. p. 4106; Dr. p. 888; Gaz. vol. 132; p. 755.
 Cam. J. C. H. Vaught. No. 878,755; Feb. 11; Sp. p. 1822; Dr. p. 377; Gaz. vol. 132; p. 1167.
 Came-lead. S. L. Brown. No. 896,196; Aug. 18; Sp. p. 2802; Dr. p. 604; Gaz. vol. 135; p. 1403.
 Cames, Apparatus for packing. T. W. Morrell. No. 885,854; Apr. 28; Sp. p. 4500; Dr. p. 945; Gaz. vol. 133; p. 1991.
 Cames, Machine for producing. T. W. Morrell. No. 889,479; June 2; Sp. p. 589; Dr. pp. 137-8; Gaz. vol. 134; p. 1150.
 Camera. I. A. Bell. No. 885,010; Apr. 21; Sp. p. 2735; Dr. pp. 580-1; Gaz. vol. 133; p. 1688.
 Camera. J. A. H. Hatt. No. 896,013; Aug. 11; Sp. p. 2477; Dr. p. 535; Gaz. vol. 135; p. 1324.
 Camera. J. Goddard. No. 897,733; Sept. 1; Sp. p. 994; Dr. pp. 211-12; Gaz. vol. 136; p. 160.
 Camera attachment. E. Barrath. No. 877,288; Jan. 21; Sp. p. 3293; Dr. p. 713; Gaz. vol. 132; p. 603.
 Camera attachment. W. E. Phillips. No. 887,842; May 19; Sp. p. 3076; Dr. pp. 645-6; Gaz. vol. 134; p. 555.
 Camera attachment. E. L. Hall. No. 906,222; Dec. 8; Sp. p. 2180; Gaz. vol. 137; p. 1373.
 Camera-back, Circular. E. L. Hall. No. 900,526; Oct. 6; Sp. p. 980; Dr. p. 199; Gaz. vol. 136; p. 1222.
 Camera diaphragm-controller. D. E. Feit. No. 907,486; Dec. 22; Sp. p. 4622; Gaz. vol. 137; p. 1844.
 Camera, Enlarging-. R. Kroedel. No. 891,347; June 23; Sp. p. 4387; Dr. pp. 954-5; Gaz. vol. 134; p. 1850.
 Camera film-spool. J. H. Haste. No. 907,796; Dec. 29; Sp. p. 5300; Gaz. vol. 137; p. 1977.
 Camera, Folding. F. A. Anthony. No. 903,533; Nov. 10; Sp. p. 1999; Gaz. vol. 137; p. 359.

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- Camera, Folding photographic. F. A. Brownell. No. 886,473; May 5; Sp. p. 266; Dr. p. 56; Gaz. vol. 134; p. 49.
- Camera, Folding photographic. P. Kaemmerer. No. 902,822; Nov. 3; Sp. p. 572; Gaz. vol. 137; p. 98.
- Camera, Lens-shutter reflecting-. J. D. Garfield. No. 882,307; Mar. 17; Sp. p. 3639; Dr. pp. 772-3; Gaz. vol. 133; p. 656.
- Camera, Magazine-. W. C. Seckler. No. 892,903; July 7; Sp. p. 1035; Dr. p. 217; Gaz. vol. 135; p. 171.
- Camera, Magazine developing-. L. Mandel. No. 907,515; Dec. 22; Sp. p. 4670; Gaz. vol. 137; p. 1853.
- Camera, Panoramic. J. S. Stewart. No. 893,819; July 21; Sp. p. 3012; Dr. pp. 616-17; Gaz. vol. 135; p. 533.
- Camera panoramic attachment. F. F. Groff. No. 908,091; Dec. 29; Sp. p. 5894; Gaz. vol. 137; p. 2071.
- Camera, Photographic. L. M. Sternbergh. No. 878,250; Feb. 4; Sp. p. 737; Dr. p. 149; Gaz. vol. 132; p. 966.
- Camera, Photographic. F. S. Andrews. No. 883,607; Mar. 31; Sp. p. 6232; Dr. pp. 1329-30; Gaz. vol. 133; p. 1141.
- Camera, Photographic enlarging-. F. A. Brownell. No. 881,997; Mar. 17; Sp. p. 3036; Dr. pp. 646-7; Gaz. vol. 133; p. 556.
- Camera shutter, Photographic-. F. A. Brownell. No. 885,142; Apr. 21; Sp. p. 3026; Dr. p. 638; Gaz. vol. 133; p. 1732.
- Camera-shutter release. C. C. Little. No. 879,058; Feb. 11; Sp. p. 2384; Dr. p. 499; Gaz. vol. 132; p. 1261.
- Camera-shutters, Magnetic operating means for. A. Bartels. No. 900,344; Oct. 6; Sp. p. 572; Dr. p. 118; Gaz. vol. 136; p. 1162.
- Camera-stand. J. A. H. Hatt. No. 904,613; Nov. 24; Sp. p. 4260; Gaz. vol. 137; p. 776.
- Camera, Stereoscopic. M. Vincent. No. 878,838; Feb. 11; Sp. p. 1980; Dr. p. 411; Gaz. vol. 132; p. 1193.
- Camera, Vest-pocket. M. Niell. No. 904,005; Nov. 17; Sp. p. 2982; Gaz. vol. 137; p. 545.
- Cameras, Device for focusing photographic. W. Thorner. No. 886,739; May 5; Sp. p. 827; Dr. pp. 170-1; Gaz. vol. 134; p. 137.
- Cameras, telescopes, and other scientific instruments, Stand for photographic. W. Butler. No. 880,192; Feb. 25; Sp. p. 4747; Dr. p. 1005; Gaz. vol. 132; p. 1707.
- Camp table and chest, Combination. J. B. Huston. No. 894,653; July 28; Sp. p. 4735; Dr. p. 983; Gaz. vol. 135; p. 826.
- Camphene, Making. A. Bischler and A. Baselli. No. 876,137; Jan. 7; Sp. p. 888; Gaz. vol. 132; p. 150.
- Camphene, Making. A. Steiner. No. 890,465; June 9; Sp. p. 2544; Gaz. vol. 134; p. 1495.
- Camphene, Making. O. C. Billeter. No. 891,033; June 16; Sp. p. 3750; Gaz. vol. 134; p. 1717.
- Camphene, Making. C. Weizmann. No. 896,962; Aug. 25; Sp. p. 4418; Gaz. vol. 135; p. 1678.
- Camphor, Making. A. Wack. No. 898,943; Sept. 15; Sp. p. 3370; Gaz. vol. 136; p. 613.
- Camphor, Making. J. Hertkorn. No. 901,708; Oct. 20; Sp. p. 3469; Gaz. vol. 136; p. 1673.
- Camphor, Oxidizing camphor for the making of. A. Verley, E. Urbain, and A. Feige. No. 908,171; Dec. 29; Sp. p. 6070; Gaz. vol. 137; p. 2099.
- Can: See Compartment-can; Dispensing-can; Friction-top can; Ice-can; Liquid-dispensing can; Milk-can; Oil-can; Polishing-composition can; Powder-can; Rectangular can; Sheet-metal can; Shipping-can; Sifter-top can; Sprinkling-can; Tin can; Watering-can.
- Can. C. Ruchti. No. 907,529; Dec. 22; Sp. p. 4695; Gaz. vol. 137; p. 1857.
- Can attachment, Oil-. H. W. Bowman and J. W. Mills. No. 890,755; June 16; Sp. p. 3187; Dr. p. 696; Gaz. vol. 134; p. 1625.
- Can-body flanges, Forming. F. P. McCall. No. 896,232; Aug. 18; Sp. p. 2876; Dr. p. 620; Gaz. vol. 135; p. 1417.
- Can-body-flanging machine. S. Tevander. No. 877,257; Jan. 21; Sp. p. 3244; Dr. pp. 702-3; Gaz. vol. 132; p. 595.
- Can-body-flanging machine. V. Odquist and H. H. Lyche. No. 900,119; Oct. 6; Sp. p. 102; Dr. pp. 21-2; Gaz. vol. 136; p. 1089.
- Can-body machine. J. C. Strickler. No. 888,202; May 19; Sp. p. 3747; Dr. p. 787; Gaz. vol. 134; p. 670.
- Can-body-making machine. L. C. Sharp. No. 891,380; June 23; Sp. p. 4454; Dr. p. 970; Gaz. vol. 134; p. 1861.
- Can-body-making machine, Lock-seam-. F. Rudolphi. No. 893,162; July 14; Sp. p. 1444; Dr. pp. 304-5; Gaz. vol. 135; p. 266.
- Can-cap. G. Lauterback. No. 893,175; July 14; Sp. p. 1596; Dr. p. 338; Gaz. vol. 135; p. 290.
- Can-cap-hemming machine. L. C. Krummel and J. C. Taliaferro. No. 892,743; July 7; Sp. p. 693; Dr. pp. 146-7; Gaz. vol. 135; p. 119.
- Can-cap-placing apparatus. J. T. Wilmore. No. 882,728; Mar. 24; Sp. p. 4445; Dr. pp. 945-6; Gaz. vol. 133; p. 827.
- Can-cap-placing machine. W. I. White. No. 882,603; Mar. 24; Sp. p. 4196; Dr. pp. 889-90; Gaz. vol. 133; p. 786.
- Can-cap, Solder-carrying. J. J. Rigby. No. 901,375; Oct. 20; Sp. p. 2711; Dr. p. 556; Gaz. vol. 136; p. 1561.
- Can-cap, Tin or other metal. E. H. Taylor. No. 894,296; July 28; Sp. p. 4029; Dr. p. 832; Gaz. vol. 135; p. 710.
- Can-caps and other closures, Means for turning and arranging. J. T. Wilmore. No. 887,298; May 12; Sp. p. 1960; Dr. p. 412; Gaz. vol. 134; p. 344.
- Can capping and compressing machine. H. L. Guenther. No. 891,162; June 16; Sp. p. 3966; Dr. pp. 869-71; Gaz. vol. 134; p. 1756.
- Can capping and compressing machine. H. L. Guenther. No. 891,163; June 16; Sp. p. 3972; Dr. pp. 871-4; Gaz. vol. 134; p. 1757.
- Can-capping machine. C. H. Ayars. No. 908,373; Dec. 29; Sp. p. 6500; Gaz. vol. 137; p. 2169.
- Can-cleaner. K. Hagen. No. 887,795; May 19; Sp. p. 2971; Dr. p. 624; Gaz. vol. 134; p. 539.
- Can-cleaning machine. J. M. C. Jones. No. 885,549; Apr. 28; Sp. p. 4489; Dr. pp. 942-4; Gaz. vol. 133; p. 1990.
- Can-closure. W. F. Hyatt. No. 876,000; Jan. 7; Sp. p. 608; Dr. p. 130; Gaz. vol. 132; p. 106.
- Can, Compartment-friction-top. H. W. Jones. No. 906,236; Dec. 8; Sp. p. 2206; Gaz. vol. 137; p. 1378.
- Can cooling or refrigerating attachment, Milk-. H. S. Parker. No. 881,025; Mar. 3; Sp. p. 1069; Dr. p. 232; Gaz. vol. 133; p. 182.
- Can-cover. F. S. Davis. No. 897,720; Sept. 1; Sp. p. 971; Dr. p. 207; Gaz. vol. 136; p. 155.
- Can-cover. J. R. Pratt. No. 905,362; Dec. 1; Sp. p. 468; Gaz. vol. 137; p. 1061.
- Can-cover-coating machine. C. Leffer. No. 885,625; Apr. 21; Sp. p. 4010; Dr. p. 838; Gaz. vol. 133; p. 1886.
- Can-crimping and soldering machine. F. W. Ballard. No. 897,337; Sept. 1; Sp. p. 173; Dr. pp. 36-8; Gaz. vol. 136; p. 26.
- Can feeding and righting machine. M. D. Blakeslee. No. 878,603; Feb. 11; Sp. p. 1531; Dr. pp. 312-13; Gaz. vol. 132; p. 1117.
- Can feeding and righting machine. M. D. Blakeslee. No. 880,119; Feb. 25; Sp. p. 4594; Dr. pp. 967-8; Gaz. vol. 132; p. 1682.
- Can-filler. J. F. Burns. No. 876,940; Jan. 21; Sp. p. 2574; Dr. p. 561; Gaz. vol. 132; p. 487.
- Can-filling device. W. H. McNutt. No. 900,762; Oct. 13; Sp. p. 1467; Dr. p. 299; Gaz. vol. 136; p. 1326.
- Can-filling machine. C. T. Small. No. 897,420; Sept. 1; Sp. p. 371; Dr. p. 78; Gaz. vol. 136; p. 58.
- Can-filling machine. G. E. Chamberlain. No. 901,420; Oct. 20; Sp. p. 2829; Dr. pp. 578-9; Gaz. vol. 136; p. 1577.
- Can-fluxing machine. C. H. Ayars. No. 901,867; Oct. 20; Sp. p. 3761; Dr. p. 765; Gaz. vol. 136; p. 1723.
- Can for milk, &c. F. P. Langfitt. No. 893,254; July 14; Sp. p. 1752; Dr. p. 370; Gaz. vol. 135; p. 316.
- Can-fork or can-lifter. R. M. Breckenridge. No. 885,580; Apr. 21; Sp. p. 3931; Dr. p. 820; Gaz. vol. 133; p. 1872.
- Can-forming machine. F. J. Ramsey. No. 887,269; May 12; Sp. p. 1862; Dr. pp. 393-8; Gaz. vol. 134; p. 333.
- Can fusing and soldering machine for square, rectangular, or polygonal cans. J. M. Young and C. M. Symonds. No. 905,268; Dec. 1; Sp. p. 284; Gaz. vol. 137; p. 1032.
- Can head and ear. B. H. Larkin. No. 896,026; Aug. 11; Sp. p. 2503; Dr. p. 542; Gaz. vol. 135; p. 1329.
- Can-heading machine. C. D. McDonald. No. 877,358; Jan. 21; Sp. p. 3435; Dr. pp. 745-6; Gaz. vol. 132; p. 626.
- Can-heading machine. A. Lotz. No. 907,259; Dec. 22; Sp. p. 4175; Gaz. vol. 137; p. 1768.
- Can-holder. H. Grenon. No. 906,871; Dec. 15; Sp. p. 3396; Gaz. vol. 137; p. 1605.
- Can-lifter. W. G. Kennedy. No. 892,162; June 30; Sp. p. 6042; Dr. p. 1299; Gaz. vol. 134; p. 2150.
- Can lock and cover. F. Kiosinski. No. 893,329; July 14; Sp. p. 1891; Dr. p. 396; Gaz. vol. 135; p. 340.
- Can-making machine. B. F. Mann. No. 881,326; Mar. 10; Sp. p. 1663; Dr. pp. 356-7; Gaz. vol. 133; p. 310.
- Can-making machine. C. W. Graham. No. 890,901; June 16; Sp. p. 3461; Dr. pp. 758-60; Gaz. vol. 134; p. 1672.
- Can-making machine. V. Odquist. No. 900,118; Oct. 6; Sp. p. 94; Dr. pp. 19-21; Gaz. vol. 136; p. 1089.
- Can-making machines, Solder-feeding device for. C. W. Sleeper. No. 877,673; Jan. 28; Sp. p. 4082; Dr. p. 884; Gaz. vol. 132; p. 750.
- Can, Oil-. W. S. McCracken. No. 905,563; Dec. 1; Sp. p. 913; Gaz. vol. 137; p. 1129.
- Can-opener. O. F. McCrary. No. 877,109; Jan. 21; Sp. p. 2928; Dr. p. 633; Gaz. vol. 132; p. 544.
- Can-opener. G. K. Winchenbach. No. 877,974; Feb. 4; Sp. p. 153; Dr. p. 34; Gaz. vol. 132; p. 875.
- Can-opener. A. G. Eulner. No. 880,131; Feb. 25; Sp. p. 4619; Dr. p. 974; Gaz. vol. 132; p. 1686.
- Can-opener. C. J. Johnson. No. 882,065; Mar. 17; Sp. p. 3180; Dr. p. 676; Gaz. vol. 133; p. 578.
- Can-opener. L. D. Jackson. No. 883,313; Mar. 31; Sp. p. 5634; Dr. p. 1201; Gaz. vol. 133; p. 1049.
- Can-opener. F. Canfield. No. 885,686; Apr. 21; Sp. p. 4141; Dr. p. 867; Gaz. vol. 133; p. 1906.
- Can-opener. J. Zander. No. 886,913; May 5; Sp. p. 1156; Dr. p. 243; Gaz. vol. 134; p. 190.
- Can-opener. M. Bush. No. 889,901; June 9; Sp. p. 1399; Dr. p. 318; Gaz. vol. 134; p. 1310.
- Can-opener. A. G. Snowdon. No. 889,980; June 9; Sp. p. 1560; Dr. p. 352; Gaz. vol. 134; p. 1337.
- Can-opener. J. F. Ruff. No. 891,443; June 23; Sp. p. 4578; Dr. p. 995; Gaz. vol. 134; p. 1882.
- Can-opener. F. P. Gorin. No. 898,822; Aug. 25; Sp. p. 4091; Dr. p. 880; Gaz. vol. 135; p. 1631.
- Can-opener. R. A. Rodgers and W. R. Henderson. No. 898,605; Sept. 15; Sp. p. 2748; Dr. p. 587; Gaz. vol. 136; p. 503.
- Can-opener. J. H. Lynch. No. 900,030; Sept. 29; Sp. p. 5581; Dr. p. 1192; Gaz. vol. 136; p. 1630.
- Can-opener. S. T. Allen. No. 901,412; Oct. 20; Sp. p. 2811; Dr. p. 574; Gaz. vol. 136; p. 1574.
- Can-opener. W. H. Winfield and W. Senn. No. 901,510; Oct. 20; Sp. p. 3037; Dr. p. 620; Gaz. vol. 136; p. 1608.
- Can-opener. C. E. Sands. No. 903,008; Nov. 3; Sp. p. 964; Gaz. vol. 137; p. 159.
- Can-opener. O. E. Braconier. No. 906,376; Dec. 8; Sp. p. 2461; Gaz. vol. 137; p. 1423.
- Can-opener. E. H. Smith. No. 908,346; Dec. 29; Sp. p. 6451; Gaz. vol. 137; p. 2161.
- Can-opening device. K. Lye. No. 907,828; Dec. 29; Sp. p. 5355; Gaz. vol. 137; p. 1987.
- Can-polishing machine. F. Kaeser. No. 888,816; May 26; Sp. p. 5032; Dr. p. 1073; Gaz. vol. 134; p. 904.
- Can-punch. W. R. Heber and C. H. Gunzel. No. 905,427; Dec. 1; Sp. p. 641; Gaz. vol. 137; p. 1066.
- Can-righting machine. M. D. Blakeslee. No. 876,290; Jan. 7; Sp. p. 1184; Dr. p. 258; Gaz. vol. 132; p. 209.

Alphabetical list of inventions—Continued.

- Can-righting machine. M. D. Blakeslee. No. 880,186; Feb. 25; Sp. p. 4734; Dr. p. 1002; Gaz. vol. 132; p. 1705.
- Can-roller, Mechanical. M. D. Blakeslee. No. 876,291; Jan. 7; Sp. p. 1187; Dr. pp. 258-9; Gaz. vol. 132; p. 200.
- Can-seaming machine. H. Diecks. No. 905,801; Dec. 1; Sp. p. 1359; Gaz. vol. 137; p. 1206.
- Can-seaming machine. H. Jacob. No. 908,102; Dec. 29; Sp. p. 5927; Gaz. vol. 137; p. 2076.
- Can-spout. W. McAdoo. No. 878,304; Feb. 4; Sp. p. 843; Dr. p. 168; Gaz. vol. 132; p. 984.
- Can-spout. G. J. Richard. No. 884,761; Apr. 14; Sp. p. 2254; Dr. p. 474; Gaz. vol. 133; p. 1578.
- Can-spout. I. E. Sexton. No. 892,092; June 30; Sp. p. 5801; Dr. p. 1268; Gaz. vol. 134; p. 2126.
- Can-spout. C. F. Kellom. No. 898,483; Sept. 15; Sp. p. 2509; Dr. p. 537; Gaz. vol. 136; p. 464.
- Can-stacker. C. T. La Bau. No. 898,584; Sept. 15; Sp. p. 2707; Dr. p. 578; Gaz. vol. 136; p. 497.
- Can-tester. E. V. Swangren. No. 900,324; Oct. 6; Sp. p. 539; Dr. p. 112; Gaz. vol. 136; p. 1156.
- Can-testing device. C. W. Sleeper. No. 901,393; Oct. 20; Sp. p. 2776; Dr. p. 565; Gaz. vol. 136; p. 1569.
- Can-testing machine. O. J. Johnson. No. 876,557; Jan. 14; Sp. p. 1771; Dr. pp. 386-7; Gaz. vol. 132; p. 321.
- Can-testing machine. O. J. Johnson. No. 876,558; Jan. 14; Sp. p. 1773; Dr. p. 387; Gaz. vol. 132; p. 321.
- Can-testing machine. F. Rudolphi and C. J. Nelson. No. 893,101; July 14; Sp. p. 1438; Dr. pp. 303-4; Gaz. vol. 135; p. 266.
- Can-top and sample-carrier, Combined. G. T. Benson. No. 876,427; Jan. 14; Sp. p. 1493; Dr. pp. 321; Gaz. vol. 132; p. 275.
- Can-tops and labeling the same, Machine for making. C. A. Myers. No. 906,648; Dec. 15; Sp. p. 2956; Gaz. vol. 137; p. 1534.
- Can-washer. W. L. Pearce. No. 880,162; Feb. 25; Sp. p. 4694; Dr. p. 989; Gaz. vol. 132; p. 1697.
- Can-washing machine. J. R. Blair. No. 880,713; Mar. 3; Sp. p. 445; Dr. pp. 93-4; Gaz. vol. 133; p. 78.
- Cans, Apparatus for removing the contents from. C. M. Lamotitié. No. 906,037; Dec. 8; Sp. p. 1817; Gaz. vol. 137; p. 1312.
- Cans, casks, &c. Carrier for. J. Cummings. No. 878,358; Feb. 4; Sp. p. 941; Dr. p. 188; Gaz. vol. 132; p. 1001.
- Cans, Detachable and reversible spout or nozzle for dispensing-. G. W. Cole. No. 881,550; Mar. 10; Sp. p. 2098; Dr. p. 459; Gaz. vol. 133; p. 382.
- Cans, jugs, &c., Closure for oil-. G. T. Tabler. No. 876,504; Jan. 14; Sp. p. 1657; Dr. p. 359; Gaz. vol. 132; p. 303.
- Cans, Machine for fusing or soldering heads upon square or rectangular. F. Eberhart. No. 905,300; Dec. 1; Sp. p. 330; Gaz. vol. 137; p. 1041.
- Cans, Packing composition for seams of. L. C. Sharp. No. 886,423; May 5; Sp. p. 166; Gaz. vol. 134; p. 32.
- Cans, Reinforced neck for milk-. E. Mohr. No. 882,504; Mar. 17; Sp. p. 3979; Dr. p. 850; Gaz. vol. 133; p. 720.
- Cans, Sterilizing sheet-metal. J. G. Hodgson. No. 905,315; Dec. 1; Sp. p. 358; Gaz. vol. 137; p. 1045.
- Canned goods, &c., Apparatus for holding and dispensing air-tight. J. M. Groce. No. 890,048; June 9; Sp. p. 1720; Dr. p. 381; Gaz. vol. 134; p. 1361.
- Canned goods, Apparatus for processing. R. B. Polk. No. 904,644; Nov. 24; Sp. p. 4335; Gaz. vol. 137; p. 788.
- Canned goods, Revolver for processing. H. L. Forhan. No. 885,332; Apr. 21; Sp. p. 3436; Dr. p. 717; Gaz. vol. 133; p. 1796.
- Canned goods, Revolver for processing. H. L. Forhan. No. 900,064; Sept. 29; Sp. p. 5662; Dr. p. 1210; Gaz. vol. 136; p. 1041.
- Canning apparatus. W. W. Wilson. No. 892,638; July 7; Sp. p. 450; Dr. p. 102; Gaz. vol. 135; p. 85.
- Canning apparatus. W. F. Pillmore and D. Anderegg. No. 898,002; Sept. 8; Sp. p. 1574; Dr. p. 336; Gaz. vol. 136; p. 279.
- Canning apparatus. N. W. Tharp. No. 906,961; Dec. 15; Sp. p. 3560; Gaz. vol. 157; p. 1634.
- Canning factories, Apparatus for mixing materials in. R. J. Dickinson. No. 891,823; June 30; Sp. p. 5389; Dr. p. 1165; Gaz. vol. 134; p. 2040.
- Canning-factory device. W. S. Thomas. No. 907,917; Dec. 29; Sp. p. 5541; Gaz. vol. 137; p. 2014.
- Canal-lock. S. S. Jamison. No. 882,501; Mar. 17; Sp. p. 3973; Dr. p. 849; Gaz. vol. 133; p. 719.
- Canal, Pleasure-. M. Rosen. No. 896,940; Aug. 25; Sp. p. 4356; Dr. p. 934; Gaz. vol. 135; p. 1671.
- Canceled and marking machine, Stamp. S. J. Evans. No. 896,366; Aug. 18; Sp. p. 3163; Dr. pp. 679-80; Gaz. vol. 135; p. 1459.
- Canceled and postmarking machine. M. V. B. Ethridge. No. 882,519; Mar. 17; Sp. p. 4024; Dr. pp. 858-9; Gaz. vol. 133; p. 726.
- Canceled device, Hand. H. R. McFarland. No. 902,436; Oct. 27; Sp. p. 4961; Dr. p. 1002; Gaz. vol. 136; p. 1938.
- Canceled letters, Machine for. S. J. Evans. No. 903,069; Nov. 3; Sp. p. 1074; Gaz. vol. 137; p. 176.
- Canceled-machine. E. M. Hill. No. 897,103; Aug. 25; Sp. p. 4696; Dr. p. 1001; Gaz. vol. 135; p. 1724.
- Canceled machine, Letter-. S. J. Evans. No. 896,284; Aug. 18; Sp. p. 2973; Dr. p. 641; Gaz. vol. 135; p. 1433.
- Candelabrum. M. V. Anderson. No. 904,111; Nov. 17; Sp. p. 3192; Gaz. vol. 137; p. 580.
- Candelabrum and flower-holder, Combined. W. H. Pruden. No. 903,227; Nov. 10; Sp. p. 1393; Gaz. vol. 137; p. 258.
- Candle-extinguisher, Self-acting. A. C. Findlay. No. 886,198; Apr. 28; Sp. p. 5191; Dr. p. 1093; Gaz. vol. 133; p. 2104.
- Candle-holder. G. Knittel. No. 887,099; May 12; Sp. p. 1525; Dr. p. 322; Gaz. vol. 134; p. 279.
- Candle-holder. E. P. Lehmann. No. 898,660; Sept. 15; Sp. p. 2865; Dr. p. 612; Gaz. vol. 136; p. 522.
- Candle holder and hanger. V. Engman. No. 903,067; Nov. 3; Sp. p. 1071; Gaz. vol. 137; p. 175.
- Candle-shade support. W. R. Noe, Jr. No. 902,597; Nov. 3; Sp. p. 134; Gaz. vol. 137; p. 22.
- Candle, Sulfur. C. Stoddard. No. 904,733; Nov. 24; Sp. p. 4522; Gaz. vol. 137; p. 817.
- Candlestick. A. A. Roland. No. 876,401; Jan. 14; Sp. p. 1436; Dr. p. 308; Gaz. vol. 132; p. 267.
- Candlestick. W. Stephens. No. 904,732; Nov. 24; Sp. p. 4521; Gaz. vol. 137; p. 817.
- Candlestick, Miner's. M. M. Gault and J. L. Stockbridge. No. 883,307; Mar. 31; Sp. p. 5624; Dr. p. 1199; Gaz. vol. 133; p. 1047.
- Candlestick, Miner's. J. R. Blake. No. 884,632; Apr. 14; Sp. p. 1948; Dr. p. 418; Gaz. vol. 133; p. 1533.
- Candy-cutter. F. W. Mack. No. 907,830; Dec. 29; Sp. p. 5356; Gaz. vol. 137; p. 1987.
- Candy-machine. G. H. Laughlin. No. 904,704; Nov. 24; Sp. p. 4456; Gaz. vol. 137; p. 808.
- Candy, Making. J. Stuckes. No. 896,596; Aug. 18; Sp. p. 3615; Gaz. vol. 135; p. 1535.
- Candy, Making. L. Hirschfeld. No. 903,088; Nov. 3; Sp. p. 1114; Gaz. vol. 137; p. 182.
- Candy-package. H. O. Whyman. No. 894,559; July 28; Sp. p. 4560; Dr. p. 945; Gaz. vol. 135; p. 796.
- Candy-package. A. B. Schopf. No. 906,941; Dec. 15; Sp. p. 3528; Gaz. vol. 137; p. 1628.
- Candy-pulling machine. E. M. Robinson and J. H. Deiter. No. 881,442; Mar. 10; Sp. p. 1894; Dr. p. 412; Gaz. vol. 133; p. 346.
- Candy-pulling machine. J. L. Causey. No. 887,768; May 19; Sp. p. 2912; Dr. pp. 614-15; Gaz. vol. 134; p. 529.
- Cane. W. S. Smith. No. 880,047; Feb. 25; Sp. p. 4472; Dr. p. 939; Gaz. vol. 132; p. 1659.
- Cane, Campaign-. G. C. Hockenberry. No. 879,640; Feb. 18; Sp. p. 3005; Dr. p. 754; Gaz. vol. 132; p. 1493.
- Cane, Combination-. W. T. Newsom. No. 889,035; May 26; Sp. p. 5457; Dr. p. 1160; Gaz. vol. 134; p. 975.
- Cane-cutter. E. M. Hibbler. No. 879,048; Feb. 11; Sp. p. 2365; Dr. p. 495; Gaz. vol. 132; p. 1258.
- Cane cutter and crusher. C. W. Harris. No. 880,989; Mar. 3; Sp. p. 1005; Dr. p. 215; Gaz. vol. 133; p. 171.
- Cane-loader. W. W. Lemmon. No. 884,938; Apr. 14; Sp. p. 2592; Dr. p. 547; Gaz. vol. 133; p. 1632.
- Cane-loading device. J. R. Myers. No. 892,289; June 30; Sp. p. 6286; Dr. pp. 1353-4; Gaz. vol. 134; p. 2193.
- Cane-mill. A. F. Delbert. No. 895,005; Aug. 4; Sp. p. 467; Dr. p. 95; Gaz. vol. 135; p. 970.
- Cane-mill feeder, Sugar-. J. M. Steel. No. 880,832; Mar. 3; Sp. p. 710; Dr. p. 149; Gaz. vol. 133; p. 120.
- Cane, Musical. D. A. Lohr. No. 894,512; July 28; Sp. p. 4458; Dr. p. 923; Gaz. vol. 135; p. 780.
- Cane, Repeating torpedo-. R. Bean. No. 876,683; Jan. 14; Sp. p. 2055; Dr. p. 447; Gaz. vol. 132; p. 364.
- Cane-stripper. B. E. Bagley. No. 878,928; Feb. 11; Sp. p. 2157; Dr. p. 450; Gaz. vol. 132; p. 1222.
- Cane, Torpedo-. R. Bean. No. 897,572; Sept. 1; Sp. p. 682; Dr. p. 143; Gaz. vol. 136; p. 107.
- Cane trash, &c., Machine for cutting sugar-. W. J. Kent. No. 885,486; Apr. 21; Sp. p. 3719; Dr. pp. 782-3; Gaz. vol. 133; p. 1844.
- Canes, &c., Machine for handling. E. Powell. No. 897,141; Aug. 25; Sp. p. 4773; Dr. pp. 1016-17; Gaz. vol. 135; p. 1738.
- Cannon-pinion. W. F. Jost. No. 900,380; Oct. 6; Sp. p. 631; Dr. p. 134; Gaz. vol. 136; p. 1174.
- Canoes, Invisible air-chamber and sponson for. C. B. Thatcher. No. 883,588; Mar. 31; Sp. p. 6204; Dr. p. 1322; Gaz. vol. 133; p. 1136.
- Canopy. H. C. Swanwick. No. 880,176; Feb. 25; Sp. p. 4717; Dr. p. 996; Gaz. vol. 132; p. 1701.
- Canopy. B. K. Apple. No. 880,183; Feb. 25; Sp. p. 4731; Dr. p. 1001; Gaz. vol. 132; p. 1704.
- Canopy. H. C. Morse. No. 890,683; June 16; Sp. p. 3015; Dr. p. 602; Gaz. vol. 134; p. 1601.
- Cant-hook. E. S. Menere. No. 883,820; Apr. 7; Sp. p. 290; Dr. p. 54; Gaz. vol. 133; p. 1239.
- Canvas-stretcher. J. C. Goss and A. T. Hansen. No. 876,345; Jan. 14; Sp. p. 1308; Dr. p. 283; Gaz. vol. 132; p. 248.
- Caoutchouc, Manufacturing artificial. P. Beresin. No. 881,536; Mar. 10; Sp. p. 2072; Gaz. vol. 133; p. 377.
- Caoutchouc, Production of pure. A. Foelsing. No. 894,490; July 28; Sp. p. 4420; Gaz. vol. 135; p. 774.
- Cap. J. N. Weekly. No. 903,924; Nov. 17; Sp. p. 2836; Gaz. vol. 137; p. 518.
- Cap-exploder, Magazine. G. Krueger. No. 897,631; Sept. 1; Sp. p. 795; Dr. p. 167; Gaz. vol. 136; p. 126.
- Cap for receptacles and making the same, Metallic. W. H. Dodge. No. 839,214; June 2; Sp. p. 56; Dr. p. 13; Gaz. vol. 134; p. 1065.
- Cap for the protection of the human head. R. Ireland and H. W. Cole. No. 882,686; Mar. 24; Sp. p. 4364; Dr. p. 929; Gaz. vol. 133; p. 814.
- Caps and hats, Folding vizor for. I. Rosenfeld. No. 893,548; July 14; Sp. p. 2369; Dr. p. 495; Gaz. vol. 135; p. 412.
- Capstan, Horse-power. J. S. Swenson. No. 889,271; June 2; Sp. p. 154; Dr. p. 37; Gaz. vol. 134; p. 1083.
- Capstan, Traveling. H. M. Flisk. No. 881,568; Mar. 10; Sp. p. 2133; Dr. pp. 465-6; Gaz. vol. 133; p. 388.
- Capsule-cleaning device. J. P. Remington. No. 886,075; Apr. 28; Sp. p. 4962; Dr. p. 1043; Gaz. vol. 135; p. 2064.
- Capsule-filler. P. H. Brown. No. 906,504; Dec. 15; Sp. p. 2693; Gaz. vol. 137; p. 1490.
- Capsule-filling mechanism. J. P. Remington. No. 899,761; Sept. 29; Sp. p. 4991; Dr. p. 1070; Gaz. vol. 136; p. 942.
- Capsule intended to contain compressed gases. P. Giron. No. 903,134; Nov. 3; Sp. p. 1198; Gaz. vol. 137; p. 196.
- Capsule-placing device. J. P. Remington. No. 899,760; Sept. 29; Sp. p. 4989; Dr. p. 1069; Gaz. vol. 136; p. 942.

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- Car. E. A. Barber. No. 878,180; Feb. 4; Sp. p. 605; Dr. p. 124; Gaz. vol. 132; p. 943.
 Car. E. S. Bucknam. No. 878,338; Feb. 4; Sp. p. 910; Dr. p. 182; Gaz. vol. 132; p. 905.
 Car. O. E. Edwards, Jr. No. 881,468; Mar. 10; Sp. p. 1952; Dr. p. 424; Gaz. vol. 133; p. 355.
 Car. C. K. Pickles. No. 883,230; Mar. 31; Sp. p. 5466; Dr. p. 1164; Gaz. vol. 133; p. 1022.
 Car. E. S. Bucknam. No. 887,764; May 19; Sp. p. 2903; Dr. pp. 612-13; Gaz. vol. 134; p. 828.
 Car. E. I. Dodds. No. 889,588; June 2; Sp. p. 791; Dr. pp. 179-80; Gaz. vol. 134; p. 1185.
 Car. B. F. Brumagham. No. 895,240; Aug. 4; Sp. p. 950; Dr. p. 199; Gaz. vol. 135; p. 1050.
 Car. A. Becker. No. 904,040; Nov. 17; Sp. p. 3050; Gaz. vol. 137; p. 555.
 Car. S. Otis. (Reissue.) No. 12,889; Nov. 24; Sp. p. 5361; Gaz. vol. 137; p. 976.
 Car. C. K. Pickles. No. 905,359; Dec. 1; Sp. p. 463; Gaz. vol. 137; p. 1061.
 Car. C. A. Pratt. No. 908,134; Dec. 29; Sp. p. 5991; Gaz. vol. 137; p. 2086.
 Car. Alcove sleeping-. F. E. Stebbins. No. 897,797; Sept. 1; Sp. p. 1124; Dr. pp. 240-1; Gaz. vol. 136; p. 179.
 Car and door therefor, Grain-. H. Alsop. No. 879,716; Feb. 18; Sp. p. 3759; Dr. p. 783; Gaz. vol. 132; p. 1518.
 Car and locomotive wheels, Clutch mechanism for railway-. J. D. Donovan. No. 890,760; June 16; Sp. p. 3195; Dr. p. 698; Gaz. vol. 134; p. 1627.
 Car and other axles, Journal-bearing for. J. E. Muhlfeld. No. 904,634; Nov. 24; Sp. p. 4311; Gaz. vol. 137; p. 784.
 Car and other axles, Journal-bearing for. W. H. Miner and J. E. Muhlfeld. No. 905,088; Nov. 24; Sp. p. 5245; Gaz. vol. 136; p. 935.
 Car and tool-driving machine, Track-. H. W. Jacobs. No. 891,700; June 23; Sp. p. 5121; Dr. pp. 1105-6; Gaz. vol. 134; p. 1967.
 Car and track, Pleasure-. W. H. Vance. No. 885,406; Apr. 21; Sp. p. 3587; Dr. p. 751; Gaz. vol. 133; p. 1819.
 Car, Articulated. M. Rounds. No. 884,420; Apr. 14; Sp. p. 1514; Dr. p. 325; Gaz. vol. 133; p. 1465.
 Car, Automatic dumping-. J. W. Reed. No. 889,718; June 2; Sp. p. 1042; Dr. p. 241; Gaz. vol. 134; p. 1226.
 Car-barn trolley attachment. J. W. Perry. No. 907,522; Dec. 22; Sp. p. 4683; Gaz. vol. 137; p. 1855.
 Car-body. W. H. Heulings, Jr., and W. M. Smith. No. 902,402; Oct. 27; Sp. p. 4874; Dr. p. 987; Gaz. vol. 136; p. 1927.
 Car-body and truck, Detachable. G. W. Lettinger. No. 895,278; Aug. 4; Sp. p. 1026; Dr. p. 214; Gaz. vol. 135; p. 1063.
 Car-body center-bearing. L. J. Berg. No. 895,148; Aug. 4; Sp. p. 736; Dr. p. 153; Gaz. vol. 135; p. 1017.
 Car-body corner-stay. H. H. Dewey. No. 891,466; June 23; Sp. p. 4619; Dr. p. 1003; Gaz. vol. 134; p. 1890.
 Car-bolster. C. H. Howard and H. M. Pfleger. No. 875,818; Jan. 7; Sp. p. 266; Dr. p. 58; Grz. vol. 132; p. 50.
 Car-bolster. O. S. Pulliam. No. 886,069; Apr. 28; Sp. p. 4955; Dr. p. 1041; Gaz. vol. 133; p. 2063.
 Car-bolster. O. S. Pulliam. No. 886,070; Apr. 28; Sp. p. 4956; Dr. p. 1041; Gaz. vol. 133; p. 2063.
 Car-bolster. C. Metterhausen. No. 887,210; May 12; Sp. p. 1711; Dr. p. 364; Gaz. vol. 134; p. 313.
 Car-bolster. J. Allison. No. 889,497; June 2; Sp. p. 620; Dr. p. 145; Gaz. vol. 134; p. 1155.
 Car-bolster. F. L. Irwin. No. 900,376; Oct. 6; Sp. p. 645; Dr. p. 133; Gaz. vol. 136; p. 1173.
 Car-bolster and draft-rigging. W. D. Lowry. No. 884,596; Apr. 14; Sp. p. 1886; Dr. p. 404; Gaz. vol. 133; p. 1522.
 Car-bolster, Cast-metal. G. G. Floyd. No. 876,448; Jan. 14; Sp. p. 1536; Dr. p. 330; Gaz. vol. 132; p. 283.
 Car, Box-. M. C. Blest. No. 903,438; Nov. 10; Sp. p. 1791; Gaz. vol. 137; p. 326.
 Car-brake. C. V. Rote and P. E. Shee. No. 881,263; Mar. 10; Sp. p. 1540; Dr. pp. 331-2; Gaz. vol. 133; p. 290.
 Car-brake. J. Fine. No. 887,617; May 12; Sp. p. 2605; Dr. p. 549; Gaz. vol. 134; p. 450.
 Car-brake. M. G. Wortman. No. 891,894; June 30; Sp. p. 5521; Dr. p. 1192; Gaz. vol. 134; p. 2064.
 Car-brake. A. H. Roger. No. 893,376; July 14; Sp. p. 1977; Dr. p. 415; Gaz. vol. 135; p. 356.
 Car-brake. K. W. Carlgen. No. 893,781; July 21; Sp. p. 2930; Dr. p. 599; Gaz. vol. 135; p. 520.
 Car-brake. J. G. Kerr. No. 906,635; Dec. 15; Sp. p. 2937; Gaz. vol. 137; p. 1530.
 Car-brake and other mechanism, Railway-. E. D. Hillman. No. 879,384; Feb. 18; Sp. p. 3048; Dr. p. 635; Gaz. vol. 132; p. 1409.
 Car-brake, Automatic. J. H. K. McCollum. No. 891,947; June 30; Sp. p. 5633; Dr. p. 1214; Gaz. vol. 134; p. 2082.
 Car-brake-operating mechanism. N. Rushe. No. 876,730; Jan. 14; Sp. p. 2135; Dr. p. 469; Gaz. vol. 132; p. 379.
 Car-brake, Railway-. J. M. Goodknight. No. 896,377; Aug. 18; Sp. p. 3185; Dr. p. 688; Gaz. vol. 135; p. 1463.
 Car-brake, Railway-. S. A. Crone. No. 902,137; Oct. 27; Sp. p. 4319; Dr. p. 875; Gaz. vol. 136; p. 1840.
 Car-brake rods, Detachable jaw for. V. Willoughby. No. 883,997; Apr. 7; Sp. p. 669; Dr. p. 134; Gaz. vol. 133; p. 1298.
 Car-brake systems, Connector for railway-. G. E. Kelly and G. F. Royer. No. 895,274; Aug. 4; Sp. p. 1016; Dr. p. 213; Gaz. vol. 135; p. 1061.
 Car-bumper. D. R. Saunders. No. 893,381; July 14; Sp. p. 1983; Dr. p. 416; Gaz. vol. 135; p. 357.
 Car-cable-grip, Tram-. H. O. Ofstad. No. 905,217; Dec. 1; Sp. p. 190; Gaz. vol. 137; p. 1015.
 Car-chair. S. J. Baxter. No. 883,929; Apr. 7; Sp. p. 521; Dr. p. 103; Gaz. vol. 133; p. 1275.
 Car-chock-brake, Railway-. J. E. Gabriel. No. 889,847; June 2; Sp. p. 1274; Dr. p. 293; Gaz. vol. 134; p. 1267.
 Car-chock, Railway-. S. Otis. No. 904,218; Nov. 17; Sp. p. 3439; Gaz. vol. 137; p. 618.
 Car-cleaning apparatus. H. M. Turner. No. 894,919; Aug. 4; Sp. p. 261; Dr. p. 57; Gaz. vol. 135; p. 941.
 Car-cleaning apparatus. H. M. Turner. No. 894,920; Aug. 4; Sp. p. 271; Dr. p. 58; Gaz. vol. 135; p. 941.
 Car, Combination stock-. T. M. Crepar. No. 876,774; Jan. 14; Sp. p. 2211; Dr. p. 486; Gaz. vol. 132; p. 392.
 Car, Combination tramway-. R. Genovesi. No. 907,775; Dec. 29; Sp. p. 5253; Gaz. vol. 137; p. 1969.
 Car construction. J. R. Cardwell. No. 886,761; May 5; Sp. p. 882; Dr. p. 182; Gaz. vol. 134; p. 145.
 Car construction. F. E. Stebbins. No. 897,314; Sept. 1; Sp. p. 85; Dr. pp. 21-2; Gaz. vol. 136; p. 18.
 Car construction. F. E. Stebbins. No. 897,315; Sept. 1; Sp. p. 95; Dr. pp. 23-5; Gaz. vol. 136; p. 18.
 Car construction. C. A. Lindström. No. 903,488; Nov. 10; Sp. p. 1910; Gaz. vol. 137; p. 343.
 Car construction, Railway-. H. H. Harvey and R. J. Cook. No. 897,896; Sept. 8; Sp. p. 1345; Dr. p. 288; Gaz. vol. 136; p. 244.
 Car construction, Railway-passenger-. E. R. Carrington. No. 902,855; Nov. 3; Sp. p. 655; Gaz. vol. 137; p. 110.
 Car construction, Steel-. E. I. Dodds. No. 884,323; Apr. 7; Sp. p. 1311; Dr. pp. 277-8; Gaz. vol. 133; p. 1403.
 Car construction, Steel-. E. I. Dodds. No. 884,325; Apr. 7; Sp. p. 1314; Dr. pp. 278-9; Gaz. vol. 133; p. 1403.
 Car controller-checking device, Street-railway-. N. Fallek. No. 907,763; Dec. 29; Sp. p. 5230; Gaz. vol. 137; p. 1965.
 Car-controlling apparatus. A. W. Reiling. No. 895,109; Aug. 4; Sp. p. 674; Dr. p. 141; Gaz. vol. 135; p. 1006.
 Car-controlling device. T. Bodde. No. 888,416; May 19; Sp. p. 4177; Dr. pp. 884-5; Gaz. vol. 134; p. 741.
 Car-controlling device, Automatic. T. Bodde. No. 888,417; May 19; Sp. p. 4180; Dr. pp. 885-6; Gaz. vol. 134; p. 741.
 Car, Convertible. E. T. Robinson. No. 878,899; Feb. 11; Sp. p. 2105; Dr. pp. 438-9; Gaz. vol. 132; p. 1212.
 Car, Convertible. B. Mazanek. No. 892,671; July 7; Sp. p. 544; Dr. p. 114; Gaz. vol. 135; p. 96.
 Car, Convertible railway-. M. P. Henvis and D. S. Clark. No. 888,437; May 19; Sp. p. 4223; Dr. p. 895; Gaz. vol. 134; p. 748.
 Car corner structure. S. M. Curwen. No. 902,943; Nov. 3; Sp. p. 828; Gaz. vol. 137; p. 137.
 Car-coupling. G. E. Starbird and G. M. Fox. No. 876,500; Jan. 14; Sp. p. 1647; Dr. p. 357; Gaz. vol. 132; p. 301.
 Car-coupling. A. Klingesmith. No. 882,696; Mar. 24; Sp. p. 4379; Dr. p. 932; Gaz. vol. 133; p. 818.
 Car-coupling. C. H. Tomlinson. No. 886,554; May 5; Sp. p. 417; Dr. p. 89; Gaz. vol. 134; p. 76.
 Car-coupling. G. P. Ritter. No. 886,864; May 5; Sp. p. 1061; Dr. pp. 223-4; Gaz. vol. 134; p. 175.
 Car-coupling. I. Sparks. No. 888,431; May 19; Sp. p. 4210; Dr. pp. 892-3; Gaz. vol. 134; p. 746.
 Car-coupling. P. Neddo. No. 889,033; May 26; Sp. p. 5455; Dr. p. 1159; Gaz. vol. 134; p. 974.
 Car-coupling. P. Schmidt. No. 889,816; June 2; Sp. p. 1218; Dr. pp. 281-2; Gaz. vol. 134; p. 1257.
 Car-coupling. R. G. Shallenberger. No. 893,553; July 14; Sp. p. 2376; Dr. p. 497; Gaz. vol. 135; p. 414.
 Car-coupling. G. C. Harlin. No. 894,496; July 28; Sp. p. 4429; Dr. p. 916; Gaz. vol. 135; p. 776.
 Car-coupling. W. F. Richards. No. 894,534; July 28; Sp. p. 4496; Dr. p. 932; Gaz. vol. 135; p. 787.
 Car-coupling. W. F. Richards. No. 894,535; July 28; Sp. p. 4498; Dr. p. 932; Gaz. vol. 135; p. 788.
 Car-coupling. G. W. Sayre. No. 896,067; Aug. 11; Sp. p. 2576; Dr. pp. 559-60; Gaz. vol. 135; p. 1342.
 Car-coupling. J. Tessier. No. 896,773; Aug. 25; Sp. p. 3974; Dr. p. 855; Gaz. vol. 135; p. 1614.
 Car-coupling. A. P. Goldman and H. H. Stephens. No. 897,889; Sept. 8; Sp. p. 1323; Dr. p. 282; Gaz. vol. 136; p. 242.
 Car-coupling. P. Brown. No. 898,961; Sept. 15; Sp. p. 3401; Dr. pp. 730-1; Gaz. vol. 136; p. 619.
 Car-coupling. H. M. Rosenberg. No. 899,438; Sept. 22; Sp. p. 4311; Dr. p. 926; Gaz. vol. 136; p. 799.
 Car-coupling. O. L. Albertson. No. 901,863; Oct. 20; Sp. p. 3752; Dr. p. 763; Gaz. vol. 136; p. 1721.
 Car-coupling. H. H. Paulson. No. 902,442; Oct. 27; Sp. p. 4972; Dr. p. 1005; Gaz. vol. 136; p. 1940.
 Car-coupling. S. Morris. No. 903,220; Nov. 10; Sp. p. 1377; Gaz. vol. 137; p. 255.
 Car-coupling. W. McConway. No. 904,712; Nov. 24; Sp. p. 4475; Gaz. vol. 137; p. 810.
 Car-coupling. R. E. L. Janney, E. F. Kinney, and W. E. Trump. No. 905,078; Nov. 24; Sp. p. 5222; Gaz. vol. 137; p. 932.
 Car-coupling. J. M. Callju. No. 905,840; Dec. 8; Sp. p. 1441; Gaz. vol. 137; p. 1250.
 Car-coupling. J. and J. O. Timms. No. 905,958; Dec. 8; Sp. p. 1660; Gaz. vol. 137; p. 1286.
 Car-coupling. J. Timms. No. 906,170; Dec. 8; Sp. p. 2075; Gaz. vol. 137; p. 1355.
 Car-coupling. I. Sparks. No. 906,466; Dec. 8; Sp. p. 2619; Gaz. vol. 137; p. 1451.
 Car-coupling. C. Dietz. No. 906,515; Dec. 15; Sp. p. 2723; Gaz. vol. 137; p. 1494.
 Car-coupling, Automatic. W. A. Palmer. No. 877,365; Jan. 21; Sp. p. 3449; Dr. p. 748; Gaz. vol. 132; p. 629.
 Car-coupling, Automatic. G. Westinghouse. No. 887,296; May 12; Sp. p. 1957; Dr. p. 411; Gaz. vol. 134; p. 343.

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 Car-coupling, Automatic. V. Marton. No. 899,604; Sept. 29; Sp. p. 4671; Dr. p. 1002; Gaz. vol. 136; p. 892.
 Car-coupling draw-bar. L. Boirault. No. 839,745; June 2; Sp. p. 1094; Dr. p. 253; Gaz. vol. 134; p. 1235.
 Car coupling, Railway-. J. W. F. Sole, A. F. Farley, and J. F. Mackle. No. 902,616; Nov. 3; Sp. p. 171; Gaz. vol. 137; p. 29.
 Car-couplings, Draft-gear for. J. A. Sample. No. 879,911; Feb. 25; Sp. p. 4200; Dr. p. 877; Gaz. vol. 132; p. 1616.
 Car curtain-fixture, Open-. G. E. Gilman. No. 884,480; Apr. 14; Sp. p. 1643; Dr. p. 353; Gaz. vol. 133; p. 1484.
 Car-deck windows, Means for operating. W. J. McGrath and M. H. Schefft. No. 897,886; Sept. 1; Sp. p. 298; Dr. p. 61; Gaz. vol. 136; p. 45.
 Car-derailer. R. Hamilton. No. 888,892; May 26; Sp. p. 5196; Dr. pp. 1102-3; Gaz. vol. 134; p. 930.
 Car, Dipping-. J. E. Carlson. No. 893,782; July 21; Sp. p. 2930; Dr. p. 600; Gaz. vol. 135; p. 520.
 Car-door. A. J. Munson. No. 877,792; Jan. 28; Sp. p. 4285; Dr. p. 930; Gaz. vol. 132; p. 787.
 Car-door. C. L. Vandervort. No. 890,766; Mar. 3; Sp. p. 561; Dr. pp. 118-19; Gaz. vol. 133; p. 97.
 Car-door. G. O. Helvig. No. 881,798; Mar. 10; Sp. p. 2586; Dr. pp. 555-6; Gaz. vol. 133; p. 461.
 Car-door. S. G. Stapp. No. 884,234; Apr. 7; Sp. p. 1161; Dr. p. 245; Gaz. vol. 133; p. 1376.
 Car-door. M. H. Stickney. No. 885,101; Apr. 21; Sp. p. 2926; Dr. p. 621; Gaz. vol. 133; p. 1718.
 Car-door. J. W. Wilkes. No. 887,167; May 12; Sp. p. 1629; Dr. p. 346; Gaz. vol. 134; p. 300.
 Car-door. E. B. Gilleland. No. 890,562; June 9; Sp. p. 2737; Dr. p. 605; Gaz. vol. 134; p. 1528.
 Car-door. S. W. Wigner. No. 894,249; July 28; Sp. p. 3915; Dr. pp. 809-10; Gaz. vol. 135; p. 693.
 Car-door. W. J. Cooke. No. 899,385; Sept. 22; Sp. p. 4221; Dr. p. 904; Gaz. vol. 136; p. 783.
 Car-door. J. M. Etiman. No. 899,389; Sept. 22; Sp. p. 4226; Dr. p. 905; Gaz. vol. 136; p. 784.
 Car-door. J. A. Rickabaugh. No. 903,406; Nov. 10; Sp. p. 1725; Gaz. vol. 137; p. 315.
 Car-door. S. P. Massey. No. 905,445; Dec. 1; Sp. p. 674; Gaz. vol. 137; p. 1092.
 Car door and hanger, Freight-. D. C. Edmondson. No. 895,988; Aug. 11; Sp. p. 2432; Dr. pp. 522-3; Gaz. vol. 135; p. 1316.
 Car-door bracket. E. A. Hill. No. 894,002; July 21; Sp. p. 3391; Dr. p. 694; Gaz. vol. 135; p. 592.
 Car-door construction. J. M. Rush. No. 899,909; Sept. 29; Sp. p. 5302; Dr. pp. 1133-4; Gaz. vol. 136; p. 990.
 Car-door fastener. G. Lighthiser. No. 881,249; Mar. 10; Sp. p. 1514; Dr. p. 325; Gaz. vol. 133; p. 285.
 Car-door fastener. F. Langley. No. 882,071; Mar. 17; Sp. p. 3194; Dr. p. 679; Gaz. vol. 133; p. 581.
 Car-door fastener. C. G. Harrington. No. 889,601; June 2; Sp. p. 811; Dr. p. 185; Gaz. vol. 134; p. 1189.
 Car-door fastener. M. P. Mahar. No. 907,832; Dec. 29; Sp. p. 5361; Gaz. vol. 137; p. 1988.
 Car-door fastening. B. B. Bowers. No. 880,621; Mar. 3; Sp. p. 270; Dr. p. 57; Gaz. vol. 133; p. 47.
 Car-door fastening. A. C. Schroeder. No. 895,690; Aug. 11; Sp. p. 1828; Dr. p. 389; Gaz. vol. 135; p. 1220.
 Car-door gear. C. A. Lindström. No. 900,941; Oct. 13; Sp. p. 1860; Dr. p. 379; Gaz. vol. 136; p. 1384.
 Car door, Grain-. A. Peirano and W. Greenwood. No. 877,593; Jan. 28; Sp. p. 3927; Dr. p. 849; Gaz. vol. 132; p. 724.
 Car door, Grain-. M. Reid. No. 878,019; Feb. 4; Sp. p. 263; Dr. pp. 56-7; Gaz. vol. 132; p. 891.
 Car door, Grain-. C. Moore. No. 879,976; Feb. 25; Sp. p. 4321; Dr. p. 904; Gaz. vol. 132; p. 1636.
 Car door, Grain-. J. H. Jones and P. Lynch. No. 881,244; Mar. 10; Sp. p. 1504; Dr. p. 324; Gaz. vol. 133; p. 283.
 Car door, Grain-. W. L. Aurand. No. 882,286; Mar. 17; Sp. p. 3602; Dr. p. 764; Gaz. vol. 133; p. 649.
 Car door, Grain-. W. S. Driskell. No. 888,228; May 19; Sp. p. 3798; Dr. p. 797; Gaz. vol. 134; p. 679.
 Car door, Grain-. F. L. Thompson. No. 888,433; May 19; Sp. p. 4215; Dr. p. 893; Gaz. vol. 134; p. 747.
 Car door, Grain-. N. S. Stalker. No. 894,075; July 21; Sp. p. 3543; Dr. pp. 726-7; Gaz. vol. 135; p. 617.
 Car door, Grain-. O. Nelson. No. 895,036; Aug. 4; Sp. p. 532; Dr. p. 108; Gaz. vol. 135; p. 981.
 Car door, Grain-. J. Thompson. No. 897,678; Sept. 1; Sp. p. 883; Dr. p. 189; Gaz. vol. 136; p. 141.
 Car door, Grain-. A. J. Denton. No. 900,491; Oct. 6; Sp. p. 912; Dr. p. 185; Gaz. vol. 136; p. 1210.
 Car door, Grain-. T. Gerdes and G. E. Wilken. No. 901,531; Oct. 20; Sp. p. 3079; Dr. p. 629; Gaz. vol. 136; p. 1614.
 Car door, Grain-. W. H. McMachen. No. 906,060; Dec. 8; Sp. p. 1863; Gaz. vol. 137; p. 1319.
 Car door, Grain-. C. L. Smith. No. 908,045; Dec. 29; Sp. p. 5807; Gaz. vol. 137; p. 2056.
 Car-door hanger. T. S. Merriman. No. 882,950; Mar. 24; Sp. p. 4903; Dr. p. 1040; Gaz. vol. 133; p. 901.
 Car door, Hopper-. F. L. Irwin and J. E. Tesseyman. No. 906,530; Dec. 15; Sp. p. 2749; Gaz. vol. 137; p. 1498.
 Car-door lock. J. C. Kingston. No. 893,248; July 14; Sp. p. 1738; Dr. p. 368; Gaz. vol. 135; p. 313.
 Car-door lock. W. J. Schmah and T. H. Watts. No. 908,147; Dec. 29; Sp. p. 6018; Gaz. vol. 137; p. 2091.
 Car-door mechanism. C. A. Lindström. No. 902,749; Nov. 3; Sp. p. 425; Gaz. vol. 137; p. 74.
 Car-door-operating mechanism. C. G. Harrington. No. 881,857; Mar. 10; Sp. p. 2719; Dr. p. 583; Gaz. vol. 133; p. 481.
 Car-door-operating mechanism. C. A. Lindström. No. 886,380; May 5; Sp. p. 77; Dr. p. 16; Gaz. vol. 134; p. 17.
 Car door-operating mechanism, Dump-. J. O. Neikirk. No. 904,213; Nov. 17; Sp. p. 3431; Gaz. vol. 137; p. 617.
 Car door-operating mechanism, Ore-. G. C. Johnson. No. 884,091; Apr. 7; Sp. p. 856; Dr. p. 180; Gaz. vol. 133; p. 1329.
 Car-door operator. G. W. Rakestraw. No. 884,295; Apr. 7; Sp. p. 1268; Dr. p. 267; Gaz. vol. 133; p. 1395.
 Car-door-rail hanger. J. M. Hopkins. No. 889,011; May 26; Sp. p. 5417; Dr. p. 1151; Gaz. vol. 134; p. 967.
 Car-door seal. J. F. Wing. (Reissue). No. 12,883; Nov. 24; Sp. p. 5344; Gaz. vol. 137; p. 952.
 Car doors, Combined track and roller support for freight-. J. P. Williams. No. 881,756; Mar. 10; Sp. p. 2510; Dr. p. 541; Gaz. vol. 133; p. 448.
 Car doors, Operating device for dump-. F. L. Irwin. No. 906,531; Dec. 15; Sp. p. 2750; Gaz. vol. 137; p. 1499.
 Car, Double-deck. P. J. Ross. No. 896,466; Aug. 18; Sp. p. 3358; Dr. p. 723; Gaz. vol. 135; p. 1492.
 Car, Double-end dumping-. E. E. Slick. No. 892,318; June 30; Sp. p. 6336; Dr. p. 1365; Gaz. vol. 134; p. 2202.
 Car draft and buffing rigging, Railway-. R. D. Gallagher, Jr. No. 880,516; Mar. 3; Sp. p. 45; Dr. pp. 11-12; Gaz. vol. 133; p. 11.
 Car draft and buffing rigging, Railway-. R. D. Gallagher, Jr. No. 888,008; May 19; Sp. p. 3394; Dr. pp. 713-14; Gaz. vol. 134; p. 609.
 Car draft-gear, Railway-. C. H. Howard, H. M. Flager, and C. T. Westlake. No. 889,234; June 2; Sp. p. 85; Dr. p. 19; Gaz. vol. 134; p. 1072.
 Car draft-gear, Railway-. W. McIntosh. No. 898,772; Sept. 15; Sp. p. 3070; Dr. p. 657; Gaz. vol. 136; p. 557.
 Car draft-gear, Railway-. C. T. Westlake. No. 899,090; Sept. 22; Sp. p. 3639; Dr. p. 780; Gaz. vol. 136; p. 688.
 Car draft-rigging, Railway-. J. F. O'Connor. No. 902,903; Nov. 3; Sp. p. 758; Gaz. vol. 137; p. 125.
 Car draft structure and draft-beam cap. T. L. McKeen. No. 906,650; Dec. 15; Sp. p. 2965; Gaz. vol. 137; p. 1535.
 Car, Drop-bottom. E. I. Dodds. No. 884,324; Apr. 7; Sp. p. 1313; Dr. p. 278; Gaz. vol. 133; p. 1403.
 Car, Dump-. F. S. Ingoldsbey. No. 875,820; Jan. 7; Sp. p. 269; Dr. p. 59; Gaz. vol. 132; p. 50.
 Car, Dump-. S. Otis. No. 880,750; Mar. 3; Sp. p. 531; Dr. pp. 110-11; Gaz. vol. 133; p. 92.
 Car, Dump-. H. B. Earling, W. A. Parker, and R. Hughes. No. 886,781; May 5; Sp. p. 913; Dr. p. 189; Gaz. vol. 134; p. 150.
 Car, Dump-. T. R. McKnight. No. 888,187; May 19; Sp. p. 3723; Dr. p. 779; Gaz. vol. 134; p. 665.
 Car, Dump-. T. R. McKnight. No. 888,188; May 19; Sp. p. 3725; Dr. p. 780; Gaz. vol. 134; p. 666.
 Car, Dump-. S. Otis. No. 888,647; May 26; Sp. p. 4655; Dr. p. 988; Gaz. vol. 134; p. 849.
 Car, Dump-. F. Ditchfield. No. 890,224; June 9; Sp. p. 2069; Dr. p. 454; Gaz. vol. 134; p. 1419.
 Car, Dump-. H. T. Herr. No. 897,463; Sept. 1; Sp. p. 458; Dr. p. 98; Gaz. vol. 136; p. 73.
 Car, Dump-. K. H. Hansen. No. 899,108; Sept. 22; Sp. p. 3679; Dr. p. 788; Gaz. vol. 136; p. 694.
 Car, Dump-. T. H. Stagg. No. 899,573; Sept. 29; Sp. p. 4608; Dr. p. 990; Gaz. vol. 136; p. 882.
 Car, Dump-. J. O. Neikirk. No. 904,004; Nov. 17; Sp. p. 2980; Gaz. vol. 137; p. 544.
 Car, Dump-. S. D. Wright. No. 906,088; Dec. 8; Sp. p. 1916; Gaz. vol. 137; p. 1327.
 Car, Dump-. E. M. Lied. No. 907,254; Dec. 22; Sp. p. 4167; Gaz. vol. 137; p. 1767.
 Car, Dump-. W. J. Oliver. No. 907,277; Dec. 22; Sp. p. 4206; Gaz. vol. 137; p. 1774.
 Car, Dumping-. J. G. Potter. No. 879,412; Feb. 18; Sp. p. 3123; Dr. p. 650; Gaz. vol. 132; p. 1419.
 Car, Dumping-. M. H. Treadwell. No. 882,129; Mar. 17; Sp. p. 3287; Dr. p. 701; Gaz. vol. 133; p. 599.
 Car, Dumping-. A. G. Brown. No. 882,621; Mar. 24; Sp. p. 4238; Dr. p. 898; Gaz. vol. 133; p. 793.
 Car, Dumping-. W. W. Wallace. No. 889,865; June 2; Sp. p. 1310; Dr. pp. 300-1; Gaz. vol. 134; p. 1273.
 Car, Dumping-. C. P. Astrom. No. 889,866; June 2; Sp. p. 1314; Dr. p. 301; Gaz. vol. 134; p. 1274.
 Car, Dumping-. M. H. Treadwell and C. P. Astrom. No. 892,385; June 30; Sp. p. 6463; Dr. p. 1394; Gaz. vol. 134; p. 2223.
 Car, Dumping-. J. M. O'Kelly. No. 895,783; Aug. 11; Sp. p. 2027; Dr. p. 430; Gaz. vol. 135; p. 1250.
 Car, Dumping-. R. H. Stevens. No. 897,499; Sept. 1; Sp. p. 529; Dr. p. 112; Gaz. vol. 136; p. 84.
 Car, Dumping-. H. T. Herr, J. R. Groves, and D. H. Foreman. No. 900,368; Oct. 6; Sp. p. 615; Dr. pp. 128-9; Gaz. vol. 136; p. 1170.
 Car, Dumping-. E. C. Washburn. No. 901,270; Oct. 13; Sp. p. 2468; Dr. pp. 506-7; Gaz. vol. 136; p. 1489.
 Car, Dumping-. M. H. Treadwell and C. P. Astrom. No. 902,779; Nov. 3; Sp. p. 473; Gaz. vol. 137; p. 83.
 Car, Dumping-. M. H. Treadwell and C. P. Astrom. No. 903,245; Nov. 10; Sp. p. 1424; Gaz. vol. 137; p. 263.
 Car, Dumping-. S. A. Larsson. No. 903,295; Nov. 10; Sp. p. 1518; Gaz. vol. 137; p. 280.
 Car, Dumping-. M. H. Treadwell and C. P. Astrom. No. 903,921; Nov. 17; Sp. p. 2823; Gaz. vol. 137; p. 517.
 Car, Dumping-. M. Orenstein. No. 905,569; Dec. 1; Sp. p. 924; Gaz. vol. 137; p. 1131.
 Car, Dumping-. E. Uhlmann. No. 906,968; Dec. 15; Sp. p. 3570; Gaz. vol. 137; p. 1636.

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- Car, Dumping push-. R. T. Looney. No. 891,942; June 30; Sp. p. 5620; Dr. pp. 1211-12; Gaz. vol. 134; p. 2080.
 Car, Dumping push-. G. C. Wortman. No. 908,435; Dec. 29; Sp. p. 6651; Gaz. vol. 137; p. 2191.
 Car-end brace, Railway-. R. V. Sage. No. 903,408; Nov. 10; Sp. p. 1728; Gaz. vol. 137; p. 316.
 Car-end construction. C. O. Birney. No. 908,199; Dec. 29; Sp. p. 6158; Gaz. vol. 137; p. 2110.
 Car-fender. T. O'Reardon. No. 875,731; Jan. 7; Sp. p. 104; Dr. p. 22; Gaz. vol. 132; p. 22.
 Car-fender. F. J. Lehman. No. 877,098; Jan. 21; Sp. p. 2906; Dr. p. 628; Gaz. vol. 132; p. 540.
 Car-fender. E. F. Normandin. No. 878,991; Feb. 11; Sp. p. 2272; Dr. p. 474; Gaz. vol. 132; p. 1241.
 Car-fender. F. Halm. No. 879,044; Feb. 11; Sp. p. 2357; Dr. p. 493; Gaz. vol. 132; p. 1257.
 Car-fender. W. S. Fister. No. 879,095; Feb. 11; Sp. p. 2474; Dr. p. 516; Gaz. vol. 132; p. 1273.
 Car-fender. A. L. Cole. No. 879,742; Feb. 18; Sp. p. 3808; Dr. pp. 798-9; Gaz. vol. 132; p. 1526.
 Car-fender. A. Hessemer. No. 881,581; Mar. 10; Sp. p. 2163; Dr. p. 472; Gaz. vol. 133; p. 393.
 Car-fender. W. B. Reed. No. 882,079; Mar. 17; Sp. p. 3208; Dr. pp. 681-2; Gaz. vol. 133; p. 583.
 Car-fender. A. W. Shank. No. 882,506; Mar. 17; Sp. p. 3981; Dr. p. 851; Gaz. vol. 133; p. 721.
 Car-fender. C. R. Reeves. No. 884,206; Apr. 7; Sp. p. 1117; Dr. p. 234; Gaz. vol. 133; p. 1367.
 Car-fender. J. Sweeney. No. 884,238; Apr. 7; Sp. p. 1173; Dr. p. 247; Gaz. vol. 133; p. 1377.
 Car-fender. J. F. Risdon. No. 884,683; Apr. 14; Sp. p. 2087; Dr. p. 445; Gaz. vol. 133; p. 1551.
 Car-fender. L. Dan. No. 885,325; Apr. 21; Sp. p. 3420; Dr. p. 714; Gaz. vol. 133; p. 1793.
 Car-fender. L. Olschewski and F. Trench. No. 885,780; Apr. 28; Sp. p. 4343; Dr. pp. 911-12; Gaz. vol. 133; p. 1966.
 Car-fender. E. and L. Hohn. No. 887,939; May 19; Sp. p. 3263; Dr. p. 685; Gaz. vol. 134; p. 557.
 Car-fender. G. U. Shultz. No. 888,358; May 19; Sp. p. 4047; Dr. p. 853; Gaz. vol. 134; p. 720.
 Car-fender. J. A. Rogan. No. 888,656; May 26; Sp. p. 4682; Dr. pp. 994-5; Gaz. vol. 134; p. 853.
 Car-fender. A. J. Berg. No. 889,504; June 2; Sp. p. 633; Dr. p. 147; Gaz. vol. 134; p. 1158.
 Car-fender. J. M. Smith. No. 889,862; June 2; Sp. p. 1305; Dr. p. 299; Gaz. vol. 134; p. 1272.
 Car-fender. H. L. Libby. No. 891,270; June 23; Sp. p. 4218; Dr. p. 922; Gaz. vol. 134; p. 1824.
 Car-fender. G. W. De Clements. No. 894,194; July 28; Sp. p. 3802; Dr. p. 788; Gaz. vol. 135; p. 676.
 Car-fender. J. P. Woodcock. No. 895,929; Aug. 11; Sp. p. 2297; Dr. p. 490; Gaz. vol. 135; p. 1296.
 Car-fender. J. Dornberger. No. 896,279; Aug. 18; Sp. p. 2964; Dr. p. 639; Gaz. vol. 135; p. 1432.
 Car-fender. M. Bogushefsky. No. 897,708; Sept. 1; Sp. p. 945; Dr. p. 202; Gaz. vol. 136; p. 152.
 Car-fender. G. F. Walker. No. 899,689; Sept. 29; Sp. p. 4839; Dr. p. 1036; Gaz. vol. 136; p. 917.
 Car-fender. D. E. Conn. No. 902,210; Oct. 27; Sp. p. 4468; Dr. p. 904; Gaz. vol. 136; p. 1863.
 Car-fender. T. F. Gallagher. No. 904,124; Nov. 17; Sp. p. 3224; Gaz. vol. 137; p. 585.
 Car-fender. C. Kleymer. No. 904,965; Nov. 24; Sp. p. 5016; Gaz. vol. 137; p. 895.
 Car-fender. E. T. Hardin. No. 905,178; Dec. 1; Sp. p. 109; Gaz. vol. 137; p. 1001.
 Car-fender. G. Whitaker. No. 906,760; Dec. 15; Sp. p. 3187; Gaz. vol. 137; p. 1571.
 Car-fender. H. Fitch. No. 907,585; Dec. 22; Sp. p. 4828; Gaz. vol. 137; p. 1877.
 Car-fender and attachment. E. Gerwig. No. 891,057; June 16; Sp. p. 3801; Dr. p. 830; Gaz. vol. 134; p. 1725.
 Car-fender, Automatic. H. W. Bodendieck. No. 888,578; May 26; Sp. p. 4513; Dr. p. 956; Gaz. vol. 134; p. 827.
 Car-fender, Automatic. J. A. Byers. No. 904,471; Nov. 17; Sp. p. 3964; Gaz. vol. 137; p. 703.
 Car-fender, Electrically-operated street-railway-. N. Fallek. No. 881,115; Mar. 10; Sp. p. 1240; Dr. p. 267; Gaz. vol. 133; p. 240.
 Car-fender, Rolling automatic. F. A. Johan. No. 898,375; Sept. 8; Sp. p. 2287; Dr. p. 456; Gaz. vol. 136; p. 397.
 Car-fender, Street-. J. A. McQuade. No. 880,233; Feb. 25; Sp. p. 4847; Dr. p. 1025; Gaz. vol. 132; p. 1722.
 Car-fender, Street-. H. M. Prater and H. R. Wilhelm. No. 889,151; May 26; Sp. p. 5708; Dr. p. 1208; Gaz. vol. 134; p. 1012.
 Car-fender, Street-. D. H. and A. Brazil. No. 897,345; Sept. 1; Sp. p. 196; Dr. p. 42; Gaz. vol. 136; p. 30.
 Car-fender, Street-. E. H. Schulze. No. 898,146; Sept. 8; Sp. p. 1863; Dr. p. 398; Gaz. vol. 136; p. 324.
 Car-fenders, Means for operating. R. J. Kellett. No. 898,582; Sept. 15; Sp. p. 2704; Dr. p. 578; Gaz. vol. 136; p. 496.
 Car, Flying or air. S. A. Day. No. 875,787; Jan. 7; Sp. p. 211; Dr. p. 46; Gaz. vol. 132; p. 39.
 Car for bonding rails. A. B. Herrick. No. 906,021; Dec. 8; Sp. p. 1786; Gaz. vol. 137; p. 1307.
 Car for cement or concrete blocks, Transporting and drying. S. M. Chase. No. 883,294; Mar. 31; Sp. p. 5600; Dr. pp. 1193-4; Gaz. vol. 133; p. 1043.
 Car for electric motor-vehicles, Trolley-. R. Arno and L. Negro. No. 894,931; Aug. 4; Sp. p. 317; Dr. p. 64; Gaz. vol. 135; p. 945.
 Car for mines, Sprinkling-. P. Doney and A. P. Cochrane. No. 902,950; Nov. 3; Sp. p. 843; Gaz. vol. 137; p. 139.
 Car for observation-wheels. A. F. Biavati. No. 899,286; Sept. 22; Sp. p. 4054; Dr. p. 866; Gaz. vol. 136; p. 752.
 Car for sticky materials, Dumping-. M. Orenstein. No. 901,643; Oct. 20; Sp. p. 3293; Dr. pp. 675-6; Gaz. vol. 136; p. 1649.
 Car for wire-rope or suspension railways, Trolley-. R. Pfaffenbach. No. 876,486; Jan. 14; Sp. p. 1621; Dr. p. 351; Gaz. vol. 132; p. 296.
 Car-frame construction. J. J. Hennessey. No. 876,644; Jan. 14; Sp. p. 1986; Dr. p. 432; Gaz. vol. 132; p. 352.
 Car frame, Railway-. W. F. Kiesel, Jr. No. 878,538; Feb. 11; Sp. p. 1372; Dr. pp. 281-2; Gaz. vol. 132; p. 1095.
 Car frame, Railway-. R. D. Gallagher, Jr. No. 883,187; Mar. 31; Sp. p. 5365; Dr. p. 1142; Gaz. vol. 133; p. 1007.
 Car, Freight-. H. W. Kirchner. No. 885,162; Apr. 21; Sp. p. 3074; Dr. p. 646; Gaz. vol. 133; p. 1738.
 Car, Freight-. H. B. Houser. No. 900,170; Oct. 6; Sp. p. 207; Dr. p. 42; Gaz. vol. 136; p. 1106.
 Car, Freight-. J. S. Andrews. No. 901,413; Oct. 20; Sp. p. 2812; Dr. p. 574; Gaz. vol. 136; p. 1574.
 Car, Freight-. S. Otis. No. 902,678; Nov. 3; Sp. p. 283; Gaz. vol. 137; p. 49.
 Car friction draft-gear, Railway-. A. Stucki. No. 878,321; Feb. 4; Sp. p. 872; Dr. p. 174; Gaz. vol. 132; p. 989.
 Car friction drive mechanism, Motor-. C. C. Keyser. No. 894,958; Aug. 4; Sp. p. 361; Dr. p. 73; Gaz. vol. 135; p. 954.
 Car gate, Dump-. T. R. McKnight. No. 905,222; Dec. 1; Sp. p. 206; Gaz. vol. 137; p. 1017.
 Car gate, Passenger-. W. H. Heulings, Jr. No. 902,489; Oct. 27; Sp. p. 5081; Dr. p. 1029; Gaz. vol. 136; p. 1956.
 Car, Gondola. G. I. King. No. 895,275; Aug. 4; Sp. p. 1018; Dr. p. 213; Gaz. vol. 135; p. 1062.
 Car, Grain-. J. T. McNally. No. 901,183; Oct. 13; Sp. p. 2301; Dr. pp. 470-1; Gaz. vol. 136; p. 1462.
 Car grain-door. C. C. Neale. No. 882,014; Mar. 17; Sp. p. 3081; Dr. p. 655; Gaz. vol. 133; p. 562.
 Car grain-door. G. H. Gilman. No. 882,308; Mar. 17; Sp. p. 3646; Dr. p. 773; Gaz. vol. 133; p. 656.
 Car grain-door. J. Edman. No. 884,011; Apr. 7; Sp. p. 695; Dr. p. 140; Gaz. vol. 133; p. 1303.
 Car grain-door. W. S. Williams. No. 890,002; June 9; Sp. p. 1613; Dr. p. 360; Gaz. vol. 134; p. 1345.
 Car grain-door. J. J. Hahn. No. 895,556; Aug. 11; Sp. p. 1569; Dr. pp. 331-2; Gaz. vol. 135; p. 1177.
 Car grain-door. J. Edman. No. 901,959; Oct. 27; Sp. p. 3950; Dr. pp. 806-7; Gaz. vol. 136; p. 1784.
 Car grain-door, Box-. J. S. Bender. No. 880,476; Feb. 25; Sp. p. 5337; Dr. pp. 1124-5; Gaz. vol. 132; p. 1803.
 Car grain-door, Freight-. J. B. Smiley. No. 883,353; Mar. 31; Sp. p. 5702; Dr. p. 1217; Gaz. vol. 133; p. 1061.
 Car grain-door, Freight-. T. J. MacLaughlin. No. 893,001; July 14; Sp. p. 1258; Dr. p. 264; Gaz. vol. 135; p. 235.
 Car grain-door, Railway-. J. C. Marxen and J. H. Woodward. No. 886,529; May 5; Sp. p. 370; Dr. p. 77; Gaz. vol. 134; p. 68.
 Car guard-rail, Passenger-. J. J. Peterson. No. 880,914; Mar. 3; Sp. p. 874; Dr. p. 188; Gaz. vol. 133; p. 147.
 Car guard-rail, Passenger-. S. T. Bole. No. 902,368; Oct. 27; Sp. p. 4816; Dr. p. 973; Gaz. vol. 136; p. 1916.
 Car, Hand-. J. E. Durham. No. 879,090; Feb. 11; Sp. p. 2463; Dr. p. 513; Gaz. vol. 132; p. 1271.
 Car, Hand-. J. W. Finch. No. 879,756; Feb. 18; Sp. p. 3831; Dr. p. 803; Gaz. vol. 132; p. 1530.
 Car-handling apparatus. W. J. Patterson. No. 890,700; June 16; Sp. p. 3048; Dr. p. 669; Gaz. vol. 134; p. 1606.
 Car-handling apparatus, Drier-. J. Wyszynski. No. 890,745; June 16; Sp. p. 3164; Dr. p. 693; Gaz. vol. 134; p. 1622.
 Car-hauling device, Mine-. J. Rowney. No. 903,006; Nov. 3; Sp. p. 957; Gaz. vol. 137; p. 158.
 Car-hauls, &c., Feeder for. H. H. Bighouse. No. 875,685; Jan. 7; Sp. p. 16; Dr. p. 3; Gaz. vol. 132; p. 5.
 Car hauls, Tension device for cable-. M. Hibbard. No. 888,439; May 19; Sp. p. 4228; Dr. p. 897; Gaz. vol. 134; p. 749.
 Car heater, Freight-. C. C. Palmer. No. 885,700; Apr. 21; Sp. p. 4167; Dr. p. 872; Gaz. vol. 133; p. 1910.
 Car heating and ventilating apparatus. E. F. Porter. No. 889,041; May 26; Sp. p. 5465; Dr. p. 1162; Gaz. vol. 134; p. 976.
 Car-heating system. E. E. Gold. No. 878,479; Feb. 4; Sp. p. 1200; Dr. p. 247; Gaz. vol. 132; p. 1042.
 Car-heating system. L. T. Gibbs. No. 878,793; Feb. 11; Sp. p. 1911; Dr. p. 392; Gaz. vol. 132; p. 1180.
 Car indicator, Street-. J. E. Anger. No. 904,915; Nov. 24; Sp. p. 4910; Gaz. vol. 137; p. 877.
 Car indicator, Street-. B. F. McCauley. No. 907,265; Dec. 22; Sp. p. 4188; Gaz. vol. 137; p. 1770.
 Car indicator, Traffic-. A. C. Killius and W. McCormick. No. 908,105; Dec. 29; Sp. p. 5931; Gaz. vol. 137; p. 2077.
 Car lifting and replacing device. L. Leyerle. No. 877,099; Jan. 21; Sp. p. 2907; Dr. pp. 628-9; Gaz. vol. 132; p. 540.
 Car-lighting system. W. A. Turbayne. No. 886,445; May 5; Sp. p. 203; Dr. p. 44; Gaz. vol. 134; p. 39.
 Car-lines, Appliance for opening and closing switches on. W. A. Poindexter. No. 875,733; Jan. 7; Sp. p. 107; Dr. p. 23; Gaz. vol. 132; p. 22.
 Car load-indicator, Railway-. M. C. Coats. No. 880,719; Mar. 3; Sp. p. 456; Dr. p. 96; Gaz. vol. 133; p. 80.
 Car-loader. W. E. Hunt. No. 895,089; Aug. 4; Sp. p. 625; Dr. p. 130; Gaz. vol. 135; p. 998.
 Car loader, Box-. F. D. Buffum. No. 883,288; Mar. 31; Sp. p. 5583; Dr. pp. 1190-1; Gaz. vol. 133; p. 1041.
 Car loader, Box-. J. M. Christy. No. 896,197; Aug. 18; Sp. p. 2804; Dr. p. 604; Gaz. vol. 135; p. 1404.
 Car-loading apparatus. F. R. Willson, Jr. No. 877,539; Jan. 28; Sp. p. 3809; Dr. p. 824; Gaz. vol. 132; p. 707.
 Car-loading apparatus. T. S. Miller and J. H. Dickinson. No. 890,157; June 9; Sp. p. 1929; Dr. pp. 425-6; Gaz. vol. 134; p. 1398.
 Car-loading device. T. Newsam, Jr. No. 898,594; Sept. 15; Sp. p. 2722; Dr. pp. 582-3; Gaz. vol. 136; p. 499.

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- Car-locking device, Dump-. E. Bieber and W. L. Burner. No. 907,218; Dec. 22; Sp. p. 4075; Gaz. vol. 137; p. 1752.
 Car-locking device, Dump-. F. L. Irwin. No. 907,807; Dec. 29; Sp. p. 5323; Gaz. vol. 137; p. 1980.
 Car lubricating system, Motor-. C. Schmidt. No. 885,182; Apr. 21; Sp. p. 3120; Dr. p. 656; Gaz. vol. 133; p. 1744.
 Car, Mine-. A. S. Gustafson. No. 895,179; Aug. 4; Sp. p. 805; Dr. p. 168; Gaz. vol. 135; p. 1028.
 Car-motor mounting, Street-. E. A. Barber. No. 878,179; Feb. 4; Sp. p. 604; Dr. p. 124; Gaz. vol. 132; p. 943.
 Car-mover. V. Gusztáv. No. 878,381; Feb. 4; Sp. p. 987; Dr. p. 199; Gaz. vol. 132; p. 1009.
 Car-mover. J. M. Fisk. No. 880,017; Feb. 25; Sp. p. 4399; Dr. p. 924; Gaz. vol. 132; p. 1650.
 Car-mover. C. E. Engbarth. No. 880,372; Feb. 25; Sp. p. 5096; Dr. p. 1078; Gaz. vol. 132; p. 1766.
 Car-mover. J. S. Peek. No. 891,856; June 30; Sp. p. 5453; Dr. p. 1179; Gaz. vol. 134; p. 2051.
 Car-mover. C. H. Shotwell. No. 902,336; Oct. 27; Sp. p. 4758; Dr. p. 960; Gaz. vol. 136; p. 1906.
 Car-mover. E. E. Chapman. No. 906,690; Dec. 15; Sp. p. 3043; Gaz. vol. 137; p. 1548.
 Car-needle-beam attachment. C. F. Frede. No. 884,327; Apr. 7; Sp. p. 1318; Dr. p. 279; Gaz. vol. 133; p. 1404.
 Car-operating mechanism, Dump-. C. T. Westlake and C. F. Frede. No. 887,163; May 12; Sp. p. 1622; Dr. p. 345; Gaz. vol. 134; p. 298.
 Car-operating mechanism, Dumping-. S. J. Johnson. No. 900,549; Oct. 6; Sp. p. 1027; Dr. p. 209; Gaz. vol. 136; p. 1230.
 Car or train safety apparatus. J. P. Coleman. No. 892,811; July 7; Sp. p. 820; Dr. p. 175; Gaz. vol. 135; p. 140.
 Car, Ore-. C. L. Pennell. No. 881,146; Mar. 10; Sp. p. 1309; Dr. p. 282; Gaz. vol. 133; p. 252.
 Car, Passenger-. W. G. Ross and D. McDonald. No. 875,740; Jan. 7; Sp. p. 122; Dr. p. 27; Gaz. vol. 132; p. 25.
 Car, Passenger-. A. E. Ostrander. No. 877,474; Jan. 21; Sp. p. 3653; Dr. pp. 791-2; Gaz. vol. 132; p. 664.
 Car, Passenger-. J. H. Herbst, H. Fass, and M. Shank. No. 887,804; May 19; Sp. p. 2993; Dr. p. 629; Gaz. vol. 134; p. 543.
 Car, Passenger-. S. M. Curwen. No. 901,786; Oct. 20; Sp. p. 3623; Dr. p. 733; Gaz. vol. 136; p. 1698.
 Car, Passenger-. W. M. Smith and S. M. Curwen. No. 901,787; Oct. 20; Sp. p. 3625; Dr. p. 734; Gaz. vol. 136; p. 1698.
 Car, Passenger-. H. Howson. No. 901,902; Oct. 20; Sp. p. 3827; Dr. p. 779; Gaz. vol. 136; p. 1734.
 Car, Passenger-. H. Howson. No. 901,903; Oct. 20; Sp. p. 3830; Dr. pp. 779-80; Gaz. vol. 136; p. 1735.
 Car, Passenger-. S. M. Curwen and W. M. Smith. No. 902,381; Oct. 27; Sp. p. 4336; Dr. p. 977; Gaz. vol. 136; p. 1920.
 Car, Passenger-. H. Howson. No. 902,405; Oct. 27; Sp. p. 4377; Dr. p. 987; Gaz. vol. 136; p. 1927.
 Car, Passenger-. R. H. and M. E. Moore. No. 902,431; Oct. 27; Sp. p. 4955; Dr. p. 1000; Gaz. vol. 136; p. 1937.
 Car, Passenger-. W. S. Twining. No. 904,576; Nov. 24; Sp. p. 4202; Gaz. vol. 137; p. 765.
 Car, Passenger-. L. T. Pyott. No. 905,100; Nov. 24; Sp. p. 5277; Gaz. vol. 137; p. 940.
 Car, Passenger-. S. M. Curwen and W. M. Smith. No. 905,665; Dec. 1; Sp. p. 1095; Gaz. vol. 137; p. 1160.
 Car passenger-register, Street-. E. M. and G. A. Beard. No. 884,557; Apr. 14; Sp. p. 1798; Dr. p. 387; Gaz. vol. 133; p. 1510.
 Car pedestal, Mine-. J. R. Roberts. No. 905,000; Nov. 24; Sp. p. 5082; Gaz. vol. 137; p. 906.
 Car pipe-coupling, Automatic. W. A. Robertson. No. 877,866; Jan. 28; Sp. p. 4424; Dr. p. 963; Gaz. vol. 132; p. 811.
 Car, Pit-. J. Childs. No. 896,623; Aug. 18; Sp. p. 3655; Dr. p. 784; Gaz. vol. 135; p. 1543.
 Car, Pleasure-. J. D. Walsh. No. 905,391; Dec. 1; Sp. p. 520; Gaz. vol. 137; p. 1075.
 Car, Pleasure-railway. F. A. Church. No. 895,428; Aug. 11; Sp. p. 1311; Dr. pp. 275-6; Gaz. vol. 135; p. 1135.
 Car, Plow-. J. O. Neikirk. No. 904,214; Nov. 17; Sp. p. 3434; Gaz. vol. 137; p. 617.
 Car pneumatic safety appliance. A. J. Thornley. No. 906,833; Dec. 15; Sp. p. 3313; Gaz. vol. 137; p. 1594.
 Car-pole attachment, Trolley-. G. R. Dunn. No. 882,495; Mar. 17; Sp. p. 3960; Dr. p. 847; Gaz. vol. 133; p. 717.
 Car, Push-. G. C. Wortman. No. 905,121; Nov. 24; Sp. p. 5324; Gaz. vol. 137; p. 947.
 Car-rack. J. B. Foley. No. 878,198; Feb. 4; Sp. p. 633; Dr. p. 130; Gaz. vol. 132; p. 949.
 Car, Railway-. B. F. Freeble. No. 875,906; Jan. 7; Sp. p. 433; Dr. pp. 95-6; Gaz. vol. 132; p. 79.
 Car, Railway-. C. V. Rota. No. 880,164; Feb. 25; Sp. p. 4698; Dr. p. 990; Gaz. vol. 132; p. 1698.
 Car, Railway-. E. I. Dadds. No. 881,466; Mar. 10; Sp. p. 1949; Dr. pp. 423-4; Gaz. vol. 133; p. 354.
 Car, Railway-. C. H. Jaeger. No. 889,613; June 2; Sp. p. 832; Dr. p. 189; Gaz. vol. 134; p. 1193.
 Car, Railway-. P. Butchart. No. 891,325; June 23; Sp. p. 4335; Dr. p. 945; Gaz. vol. 134; p. 1843.
 Car, Railway-. W. M. Ryan. No. 891,375; June 23; Sp. p. 4445; Dr. p. 968; Gaz. vol. 134; p. 1859.
 Car, Railway-. E. W. Summers and C. H. Clark. No. 893,279; July 14; Sp. p. 1803; Dr. pp. 378-9; Gaz. vol. 135; p. 325.
 Car, Railway-. M. Rounds. No. 895,686; Aug. 11; Sp. p. 1820; Dr. pp. 387-8; Gaz. vol. 135; p. 1219.
 Car, Railway-. E. T. Robinson. No. 899,763; Sept. 29; Sp. p. 4999; Dr. p. 1071; Gaz. vol. 136; p. 943.
 Car, Railway-. J. Giezewski. No. 904,256; Nov. 17; Sp. p. 3527; Gaz. vol. 137; p. 631.
 Car, Railway-. B. J. Leslie. No. 905,820; Dec. 1; Sp. p. 1395; Gaz. vol. 137; p. 1212.
 Car, Railway-dump-. T. R. McKnight. No. 888,526; May 26; Sp. p. 4392; Dr. pp. 930-1; Gaz. vol. 134; p. 806.
 Car, Railway-dumping-. E. I. Dadds. No. 881,884; Mar. 10; Sp. p. 2777; Dr. p. 596; Gaz. vol. 133; p. 491.
 Car, Railway passenger-. T. R. Brown. No. 882,927; Mar. 24; Sp. p. 4580; Dr. pp. 1029-31; Gaz. vol. 133; p. 893.
 Car registry device, Tramway-. A. M. Fries. No. 907,874; Dec. 29; Sp. p. 5442; Gaz. vol. 137; p. 2001.
 Car-release. A. F. Biavati. No. 892,215; June 30; Sp. p. 6145; Dr. p. 1324; Gaz. vol. 134; p. 2168.
 Car-replacer. H. E. and W. P. Matthews. No. 878,409; Feb. 4; Sp. p. 1040; Dr. p. 210; Gaz. vol. 132; p. 1019.
 Car-replacer. H. M. Cawood. No. 882,097; Mar. 17; Sp. p. 3236; Dr. p. 688; Gaz. vol. 133; p. 589.
 Car-replacer. G. H. Sargent. No. 886,644; May 5; Sp. p. 594; Dr. p. 124; Gaz. vol. 134; p. 104.
 Car-replacer. F. A. Millis. No. 896,467; Aug. 18; Sp. p. 3339; Dr. p. 718; Gaz. vol. 135; p. 1459.
 Car-replacer. B. Strickland. No. 897,673; Sept. 1; Sp. p. 875; Dr. p. 187; Gaz. vol. 136; p. 140.
 Car-replacer. W. M. Kitchen. No. 898,226; Sept. 8; Sp. p. 2029; Dr. p. 430; Gaz. vol. 136; p. 350.
 Car-replacer. S. N. Ellenwood. No. 900,833; Oct. 13; Sp. p. 1641; Dr. p. 332; Gaz. vol. 136; p. 1352.
 Car-replacer. C. M. Sullivan. No. 903,115; Nov. 3; Sp. p. 1164; Gaz. vol. 137; p. 189.
 Car-replacing wheel. O. T. Dougherty. No. 882,101; Mar. 17; Sp. p. 3243; Dr. p. 689; Gaz. vol. 133; p. 590.
 Car-retarder. W. H. Finley. No. 908,232; Dec. 29; Sp. p. 6229; Gaz. vol. 137; p. 2121.
 Car, Rocker-bottom. H. C. Priebe. No. 876,587; Jan. 14; Sp. p. 1849; Dr. p. 404; Gaz. vol. 132; p. 332.
 Car-roof. F. B. Branson and A. C. Nave. No. 895,418; Aug. 11; Sp. p. 1292; Dr. p. 271; Gaz. vol. 135; p. 1132.
 Car-roof. M. E. Ward. No. 899,817; Sept. 29; Sp. p. 5124; Dr. p. 1096; Gaz. vol. 136; p. 962.
 Car-roof. B. S. Warren. No. 906,962; Dec. 8; Sp. p. 1666; Gaz. vol. 137; p. 1288.
 Car roof, Railway-. J. Masker. No. 905,340; Dec. 1; Sp. p. 409; Gaz. vol. 137; p. 1054.
 Car running-gear, Mine-. J. M. and R. F. Phillips. No. 882,533; Mar. 17; Sp. p. 4061; Dr. p. 864; Gaz. vol. 133; p. 731.
 Car running-gear, Mine-. J. M. and R. F. Phillips. No. 882,534; Mar. 17; Sp. p. 4062; Dr. p. 864; Gaz. vol. 133; p. 732.
 Car running-gear, Railway-. A. R. Angus. No. 903,654; Nov. 10; Sp. p. 2243; Gaz. vol. 137; p. 397.
 Car safety apparatus. T. A. Mayer. No. 899,228; Sept. 22; Sp. p. 3918; Dr. p. 837; Gaz. vol. 136; p. 733.
 Car safety appliance, Railway-. J. T. Andrew. No. 895,935; Aug. 11; Sp. p. 2308; Dr. pp. 491-2; Gaz. vol. 135; p. 1298.
 Car safety appliance, Railway-. J. T. Andrew. No. 895,937; Aug. 11; Sp. p. 2311; Dr. pp. 492-3; Gaz. vol. 135; p. 1299.
 Car safety appliance, Railway-. J. T. Andrew. No. 898,165; Sept. 8; Sp. p. 1900; Dr. p. 406; Gaz. vol. 136; p. 330.
 Car safety appliance, Street-. L. M. Maxham. No. 902,156; Oct. 27; Sp. p. 4358; Dr. pp. 882-3; Gaz. vol. 136; p. 1846.
 Car safety device, Railway-. J. T. Andrew. No. 895,936; Aug. 11; Sp. p. 2309; Dr. p. 492; Gaz. vol. 135; p. 1298.
 Car safety-gate, Railway-. T. F. Talbot, Jr. No. 899,494; Sept. 22; Sp. p. 4420; Dr. p. 949; Gaz. vol. 136; p. 819.
 Car safety-guard. M. Meyer. No. 900,187; Oct. 6; Sp. p. 243; Dr. pp. 49-50; Gaz. vol. 136; p. 1112.
 Car safety-guard, Street-. A. A. Borkenhagen. No. 894,181; July 28; Sp. p. 3772; Dr. pp. 781-2; Gaz. vol. 135; p. 671.
 Car sand-box. W. S. Adams. No. 895,828; Aug. 11; Sp. p. 2117; Dr. p. 448; Gaz. vol. 135; p. 1264.
 Car-seal. J. F. Wing. No. 908,186; Dec. 29; Sp. p. 6106; Gaz. vol. 137; p. 2105.
 Car-seat. E. G. Budd. No. 879,730; Feb. 18; Sp. p. 3787; Dr. p. 795; Gaz. vol. 132; p. 1522.
 Car-seat. C. K. Pickles. No. 894,227; July 28; Sp. p. 3867; Dr. pp. 800-1; Gaz. vol. 135; p. 686.
 Car-seat. E. G. Budd. No. 894,811; Aug. 4; Sp. p. 11; Dr. p. 3; Gaz. vol. 135; p. 903.
 Car-seat. F. E. Reed and E. C. Lang. No. 908,424; Dec. 29; Sp. p. 6614; Gaz. vol. 137; p. 2187.
 Car-seat cushion. J. J. Downey. No. 899,034; Sept. 22; Sp. p. 3548; Dr. p. 759; Gaz. vol. 136; p. 670.
 Car, Semiconvertible. E. T. Robinson. No. 878,828; Feb. 11; Sp. p. 1964; Dr. pp. 406-7; Gaz. vol. 132; p. 1190.
 Car, Semiconvertible. P. M. Kling. No. 880,541; Mar. 3; Sp. p. 89; Dr. p. 21; Gaz. vol. 133; p. 19.
 Car, Semiconvertible. W. S. Wright. No. 884,788; Apr. 14; Sp. p. 2315; Dr. pp. 486-7; Gaz. vol. 133; p. 1587.
 Car side bearing. J. E. Norwood. No. 905,743; Dec. 1; Sp. p. 1248; Gaz. vol. 137; p. 1186.
 Car-signal. J. H. Brady. No. 901,586; Oct. 20; Sp. p. 3188; Dr. p. 650; Gaz. vol. 136; p. 1633.
 Car-signal. W. H. Schweizer. No. 906,166; Dec. 8; Sp. p. 2069; Gaz. vol. 137; p. 1354.
 Car, Single-truck. E. A. Barber. No. 878,181; Feb. 4; Sp. p. 607; Dr. p. 125; Gaz. vol. 132; p. 944.
 Car, Sleeping-. L. Hofscheider. No. 881,123; Mar. 10; Sp. p. 1258; Dr. pp. 271-2; Gaz. vol. 133; p. 243.
 Car, Sleeping-. F. E. Stebbins. No. 897,798; Sept. 1; Sp. p. 1133; Dr. pp. 241-3; Gaz. vol. 136; p. 180.
 Car sleeping attachment. J. A. Shires. No. 906,070; Dec. 8; Sp. p. 1876; Gaz. vol. 137; p. 1322.
 Car-spring. T. A. Shea. No. 891,381; June 23; Sp. p. 4456; Dr. p. 970; Gaz. vol. 134; p. 1862.
 Car, Spring-propelled hand-. D. N. McDaniel. No. 875,943; Jan. 7; Sp. p. 488; Dr. p. 105; Gaz. vol. 132; p. 88.

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- Car-stake. F. W. Lawrence. No. 878,405; Feb. 4; Sp. p. 1034; Dr. p. 209; Gaz. vol. 132; p. 1017.
 Car-stake. T. Ellis. No. 880,446; Feb. 25; Sp. p. 5271; Dr. p. 1108; Gaz. vol. 132; p. 1792.
 Car-stake. J. Felkey. No. 880,982; Mar. 3; Sp. p. 995; Dr. p. 213; Gaz. vol. 133; p. 168.
 Car-stake. J. W. Stokoe. No. 881,971; Mar. 17; Sp. p. 2973; Dr. p. 633; Gaz. vol. 133; p. 548.
 Car-stake. F. Parent. No. 885,643; Apr. 21; Sp. p. 4059; Dr. p. 848; Gaz. vol. 133; p. 1891.
 Car-stake. W. H. Ten Eyck. No. 893,112; July 14; Sp. p. 1469; Dr. p. 310; Gaz. vol. 135; p. 270.
 Car-stake. S. Haley. 893,165; July 14; Sp. p. 1583; Dr. p. 335; Gaz. vol. 135; p. 288.
 Car-stake. N. E. Gagnon. No. 899,394; Sept. 22; Sp. p. 4237; Dr. p. 903; Gaz. vol. 136; p. 786.
 Car-stake. J. F. Townsend. No. 900,899; Oct. 13; Sp. p. 1762; Dr. p. 358; Gaz. vol. 136; p. 1371.
 Car-stake. F. S. Ingoldsby and J. F. Townsend. No. 900,930; Oct. 13; Sp. p. 1838; Dr. p. 374; Gaz. vol. 136; p. 1381.
 Car-stake. F. Shillin. No. 903,418; Nov. 10; Sp. p. 1753; Gaz. vol. 137; p. 319.
 Car-stake. J. Bagley. No. 903,655; Nov. 10; Sp. p. 2248; Gaz. vol. 137; p. 397.
 Car-stake. A. B. Little. No. 906,539; Dec. 15; Sp. p. 2762; Gaz. vol. 137; p. 1501.
 Car-stake and attaching means therefor. J. A. Toomey. No. 876,415; Jan. 14; Sp. p. 1460; Dr. pp. 313-14; Gaz. vol. 132; p. 271.
 Car-stake and attaching means therefor. J. A. Toomey. No. 884,778; Apr. 14; Sp. p. 2289; Dr. pp. 481-2; Gaz. vol. 133; p. 1584.
 Car-stake, Folding. D. Lillis and H. A. Pike. No. 896,031; Aug. 11; Sp. p. 2512; Dr. pp. 544-5; Gaz. vol. 135; p. 1330.
 Car-stake, Folding. H. H. Seaman. No. 907,183; Dec. 22; Sp. p. 3994; Gaz. vol. 137; p. 1740.
 Car-stake, Logging-. S. P. George. No. 880,652; Mar. 3; Sp. p. 331; Dr. p. 72; Gaz. vol. 133; p. 58.
 Car-stake, Logging-. J. R. Dodge. No. 904,943; Nov. 24; Sp. p. 4976; Gaz. vol. 137; p. 887.
 Car-stake-tie, Railway-. D. N. Bates, S. E. Clapp, and L. E. Booth. No. 884,122; Apr. 7; Sp. p. 949; Dr. p. 199; Gaz. vol. 133; p. 1339.
 Car-stanchion. R. P. De Remer. No. 870,128; Feb. 11; Sp. p. 2546; Dr. p. 529; Gaz. vol. 132; p. 1283.
 Car-standard, Log-. M. Majette. No. 898,244; Sept. 8; Sp. p. 2058; Dr. p. 437; Gaz. vol. 136; p. 355.
 Car-step. E. P. Bergman. No. 884,889; Apr. 14; Sp. p. 2494; Dr. p. 526; Gaz. vol. 133; p. 1618.
 Car-step attachment, Folding. A. Shoopman. No. 908,043; Dec. 29; Sp. p. 5805; Gaz. vol. 137; p. 2056.
 Car-step, Auxiliary. E. L. Carroll. No. 905,843; Dec. 8; Sp. p. 1445; Gaz. vol. 137; p. 1250.
 Car-step, Extension. F. E. Hopkins. No. 876,186; Jan. 7; Sp. p. 969; Dr. p. 209; Gaz. vol. 132; p. 165.
 Car-step, Folding. H. Miller. No. 901,632; Oct. 20; Sp. p. 3274; Dr. p. 671; Gaz. vol. 136; p. 1646.
 Car-step, Folding. S. L. Marcus. No. 902,670; Nov. 3; Sp. p. 269; Gaz. vol. 137; p. 46.
 Car-step, Folding. G. J. Wagner. No. 908,052; Dec. 29; Sp. p. 5821; Gaz. vol. 137; p. 2059.
 Car-step, Folding. C. F. Rice. No. 908,137; Dec. 29; Sp. p. 5998; Gaz. vol. 137; p. 2087.
 Car-step, Movable. J. Geppner. No. 890,639; June 16; Sp. p. 2935; Dr. p. 643; Gaz. vol. 134; p. 1587.
 Car, Stock-. A. Murdoch. No. 876,990; Jan. 21; Sp. p. 2677; Dr. p. 582; Gaz. vol. 132; p. 504.
 Car-stop. W. F. Clapp. No. 907,972; Dec. 29; Sp. p. 5660; Gaz. vol. 137; p. 2033.
 Car stop and speed signal. J. F. Bush. No. 891,792; June 23; Sp. p. 5298; Dr. p. 1147; Gaz. vol. 134; p. 1999.
 Car-stop, Automatic. W. E. Dawkins. No. 899,245; Sept. 22; Sp. p. 3991; Dr. p. 850; Gaz. vol. 136; p. 740.
 Carstop, Mine-. C. M. Henretta. No. 907,350; Dec. 22; Sp. p. 4353; Gaz. vol. 137; p. 1798.
 Car structure. J. E. Anger. No. 898,952; Sept. 15; Sp. p. 3384; Dr. p. 727; Gaz. vol. 136; p. 616.
 Car-supplemental wheel, Motor-. M. D. Stocking. No. 904,570; Nov. 24; Sp. p. 4193; Gaz. vol. 137; p. 763.
 Car-supporting frame, Freight-. T. F. Burke. No. 896,082; Aug. 18; Sp. p. 2607; Dr. p. 565; Gaz. vol. 135; p. 1369.
 Car-switching. F. N. Wonderlin. No. 894,768; July 28; Sp. p. 4945; Dr. p. 1031; Gaz. vol. 135; p. 863.
 Car-tabulating system. C. F. Muller, F. M. Driscoll, and R. J. Barry. No. 881,019; Mar. 3; Sp. p. 1058; Dr. p. 230; Gaz. vol. 133; p. 180.
 Car, Tank-. J. M. Ames. (Reissue). No. 12,832; July 21; Sp. p. 3751; Dr. p. 775; Gaz. vol. 135; p. 649.
 Car, Tank-. C. A. Shoemaker. No. 894,294; July 28; Sp. p. 4024; Dr. p. 831; Gaz. vol. 135; p. 709.
 Car, Tank-. J. F. Streib. No. 898,152; Sept. 8; Sp. p. 1874; Dr. p. 400; Gaz. vol. 136; p. 326.
 Car, Tank-. M. C. Blest. No. 898,177; Sept. 8; Sp. p. 1930; Dr. p. 412; Gaz. vol. 136; p. 335.
 Car-tarpaulin. S. A. Stevens. No. 894,759; July 28; Sp. p. 4929; Dr. p. 1027; Gaz. vol. 135; p. 860.
 Car-testing device. A. B. Herrick. No. 905,875; Dec. 8; Sp. p. 1508; Gaz. vol. 137; p. 1261.
 Car, Tram-. J. J. Schimpf. No. 882,915; Mar. 24; Sp. p. 4830; Dr. p. 1025; Gaz. vol. 133; p. 889.
 Car-transfer, Automatic. E. M. Scoville. No. 901,488; Oct. 20; Sp. p. 2994; Dr. pp. 610-11; Gaz. vol. 136; p. 1600.
 Car transfer-ticket-dispensing device, Portable street-. F. D. Covington. No. 906,110; Dec. 8; Sp. p. 1966; Gaz. vol. 137; p. 1335.
 Car transom and other window screen, Railway-. C. J. McNitt. No. 881,608; Mar. 10; Sp. p. 2222; Dr. p. 483; Gaz. vol. 133; p. 403.
 Car-trolley. J. Kaufman. No. 904,877; Nov. 24; Sp. p. 4846; Gaz. vol. 137; p. 866.
 Car-truck center-bearing. J. J. Skahan. No. 905,754; Dec. 1; Sp. p. 1271; Gaz. vol. 137; p. 1191.
 Car-truck column-guide. C. F. Murray. No. 903,490; Nov. 10; Sp. p. 1913; Gaz. vol. 137; p. 344.
 Car truck, Railway-. J. M. Hansen. No. 903,286; Nov. 10; Sp. p. 1503; Gaz. vol. 137; p. 277.
 Car truck, Railway-. G. G. Floyd. No. 903,556; Nov. 10; Sp. p. 2051; Gaz. vol. 137; p. 366.
 Car truck, Railway-. E. G. Hoffmann. No. 905,532; Dec. 1; Sp. p. 857; Gaz. vol. 137; p. 1119.
 Car-truck side bearing. J. J. Skahan. No. 905,755; Dec. 1; Sp. p. 1273; Gaz. vol. 137; p. 1191.
 Car-truck side frame. E. H. Benner. No. 903,535; Nov. 10; Sp. p. 2002; Gaz. vol. 137; p. 359.
 Car-truck side frame and brake-hanger. G. G. Floyd. No. 905,165; Dec. 1; Sp. p. 84; Gaz. vol. 137; p. 997.
 Car-underframe. J. M. Ames. No. 879,996; Feb. 25; Sp. p. 4355; Dr. p. 913; Gaz. vol. 132; p. 1643.
 Car-underframe. C. H. Howard. No. 881,185; Mar. 10; Sp. p. 1377; Dr. p. 297; Gaz. vol. 133; p. 264.
 Car-underframe. J. S. Andrews. No. 881,281; Mar. 10; Sp. p. 1584; Dr. p. 338; Gaz. vol. 133; p. 296.
 Car-underframe. W. McIntosh. No. 886,063; Apr. 28; Sp. p. 4943; Dr. p. 1039; Gaz. vol. 133; p. 2061.
 Car-underframe. V. M. Summa. No. 887,542; May 12; Sp. p. 2472; Dr. p. 522; Gaz. vol. 134; p. 425.
 Car-underframe. C. S. Shallenberger. No. 891,295; June 23; Sp. p. 4267; Dr. pp. 933-4; Gaz. vol. 134; p. 1833.
 Car-underframe. C. S. Shallenberger. No. 891,296; June 23; Sp. p. 4269; Dr. p. 934; Gaz. vol. 134; p. 1834.
 Car-underframe. C. S. Shallenberger. No. 891,297; June 23; Sp. p. 4272; Dr. pp. 934-5; Gaz. vol. 134; p. 1834.
 Car-underframe. V. M. Summa and J. T. St. Clair. No. 893,948; July 21; Sp. p. 3265; Dr. p. 672; Gaz. vol. 135; p. 574.
 Car-underframe. C. F. Frede. No. 895,739; Aug. 11; Sp. p. 1932; Dr. p. 409; Gaz. vol. 135; p. 1236.
 Car-underframe. A. Becker. No. 899,649; Sept. 29; Sp. p. 4767; Dr. p. 1020; Gaz. vol. 136; p. 905.
 Car-underframe. A. Becker. No. 899,650; Sept. 29; Sp. p. 4768; Dr. p. 1020; Gaz. vol. 136; p. 906.
 Car-underframe. A. Becker. No. 899,651; Sept. 29; Sp. p. 4770; Dr. p. 1020; Gaz. vol. 136; p. 906.
 Car-underframe. J. M. Ames. No. 904,746; Nov. 24; Sp. p. 4552; Gaz. vol. 137; p. 822.
 Car-underframe. J. S. Andrews. No. 905,271; Dec. 1; Sp. p. 289; Gaz. vol. 137; p. 1033.
 Car-underframe. W. McIntosh. No. 907,271; Dec. 22; Sp. p. 4199; Gaz. vol. 137; p. 1772.
 Car-underframe construction. F. L. Irwin. No. 900,375; Oct. 6; Sp. p. 642; Dr. p. 132; Gaz. vol. 136; p. 1172.
 Car-underframe construction. F. L. Irwin. No. 900,546; Oct. 6; Sp. p. 1022; Dr. pp. 207-8; Gaz. vol. 136; p. 1229.
 Car-underframe, Steam-shovel-. T. E. Adams and C. H. Howard. No. 905,127; Dec. 1; Sp. p. 1; Gaz. vol. 137; p. 985.
 Car-underframing. H. Pries. No. 893,650; July 21; Sp. p. 2593; Dr. p. 540; Gaz. vol. 135; p. 476.
 Car-ventilating device, Railway-. F. Brandt. No. 893,433; July 14; Sp. p. 2112; Dr. p. 443; Gaz. vol. 135; p. 375.
 Car-ventilating system. F. D. Jacobs. No. 901,010; Oct. 13; Sp. p. 1994; Dr. p. 405; Gaz. vol. 136; p. 1408.
 Car ventilation. W. R. Stokely. No. 898,801; Sept. 15; Sp. p. 3116; Dr. p. 668; Gaz. vol. 136; p. 566.
 Car-ventilator. L. B. J. Thurston. No. 906,957; Dec. 8; Sp. p. 1659; Gaz. vol. 137; p. 1286.
 Car-ventilator. S. N. Liles. No. 907,255; Dec. 22; Sp. p. 4169; Gaz. vol. 137; p. 1767.
 Car ventilator, Railway-. H. W. Young. No. 882,364; Mar. 17; Sp. p. 3745; Dr. p. 797; Gaz. vol. 133; p. 675.
 Car-vestibule. L. Ulo. No. 886,744; May 5; Sp. p. 844; Dr. p. 175; Gaz. vol. 134; p. 139.
 Car-vestibule curtain. H. H. Schroyer. No. 906,824; Dec. 15; Sp. p. 3293; Gaz. vol. 137; p. 1591.
 Car-vestibule diaphragm. H. H. Schroyer. No. 903,893; Nov. 17; Sp. p. 2749; Gaz. vol. 137; p. 507.
 Car vestibule-door and trap. C. E. Griffith. No. 876,871; Jan. 14; Sp. p. 2401; Dr. p. 523; Gaz. vol. 132; p. 424.
 Car-vestibule hood. W. G. Trethewey. No. 892,018; June 30; Sp. p. 5765; Dr. p. 1239; Gaz. vol. 134; p. 2103.
 Car, Vestibule stock-. G. F. Pettit. No. 882,163; Mar. 17; Sp. p. 3365; Dr. p. 717; Gaz. vol. 133; p. 609.
 Car, Vestibule stock-. W. A. Buckner. No. 889,176; May 26; Sp. p. 5764; Dr. p. 1220; Gaz. vol. 134; p. 1021.
 Car, wagon, and the like, Dumping. B. Lloyd. No. 880,548; Mar. 3; Sp. p. 109; Dr. p. 25; Gaz. vol. 133; p. 22.
 Car-wheel. M. Hendricks. No. 878,951; Feb. 11; Sp. p. 2193; Dr. p. 459; Gaz. vol. 132; p. 1228.
 Car-wheel. W. C. Mayo and J. Houlehan. No. 879,287; Feb. 18; Sp. p. 2853; Dr. p. 597; Gaz. vol. 132; p. 1378.
 Car-wheel. W. D. Lowry. No. 891,494; June 23; Sp. p. 4681; Dr. p. 1014; Gaz. vol. 134; p. 1899.
 Car-wheel. A. J. Robertson. No. 895,685; Aug. 11; Sp. p. 1818; Dr. p. 387; Gaz. vol. 135; p. 1219.
 Car-wheel. A. S. Gustafson. No. 898,463; Sept. 15; Sp. p. 2476; Dr. p. 529; Gaz. vol. 136; p. 458.
 Car-wheel. T. M. Crepar. No. 899,483; Sept. 22; Sp. p. 4402; Dr. p. 944; Gaz. vol. 136; p. 815.
 Car-wheel. O. S. Pulliam. No. 899,680; Sept. 29; Sp. p. 4825; Dr. p. 1033; Gaz. vol. 136; p. 914.
 Car-wheel. J. H. Rutherford and W. J. Alford. No. 901,650; Oct. 20; Sp. p. 3308; Dr. p. 680; Gaz. vol. 136; p. 1651.
 Car-wheel. F. K. Vial. No. 904,162; Nov. 17; Sp. p. 3317; Gaz. vol. 137; p. 599.

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- Car wheel and axle. D. P. and H. C. Judson. No. 892,265; June 30; Sp. p. 6242; Dr. p. 1343; Gaz. vol. 134; p. 2185.
- Car-wheel broken-flange detector. W. R. Cogan. No. 904,180; Nov. 17; Sp. p. 3365; Gaz. vol. 137; p. 605.
- Car-wheel lubricator. A. Taylor. No. 908,047; Dec. 29; Sp. p. 5811; Gaz. vol. 137; p. 2057.
- Car wheel, Mine-. S. Wilkinson. No. 883,996; Apr. 7; Sp. p. 667; Dr. p. 134; Gaz. vol. 133; p. 1298.
- Car wheel, Mine-. J. S. Woodcock. No. 895,826; Aug. 11; Sp. p. 2109; Dr. p. 447; Gaz. vol. 135; p. 1264.
- Car wheel, Pit-. W. C. Fownes, Jr., and R. J. Gardner. No. 887,241; May 12; Sp. p. 1798; Dr. p. 378; Gaz. vol. 134; p. 323.
- Car-wheels, Device for the inspection of. C. Browning, Jr. No. 878,499; Feb. 11; Sp. p. 1293; Dr. pp. 261-2; Gaz. vol. 132; p. 1082.
- Car-wheels, Device for the inspection of. C. Browning, Jr. No. 878,500; Feb. 11; Sp. p. 1299; Dr. pp. 262-3; Gaz. vol. 132; p. 1082.
- Car-window. E. S. Bucknam. No. 893,780; Apr. 7; Sp. p. 196; Dr. p. 36; Gaz. vol. 133; p. 1225.
- Car-window. J. W. Scott. No. 889,052; May 26; Sp. p. 5484; Dr. pp. 1166-7; Gaz. vol. 134; p. 981.
- Car-windows, Dust and cinder shield and guard for. J. S. McKenzie. No. 897,994; Sept. 8; Sp. p. 1561; Dr. p. 332; Gaz. vol. 136; p. 277.
- Cars, Adjustable car-stake for permanent use on logging-. M. B. Wright. No. 807,547; Dec. 22; Sp. p. 4729; Gaz. vol. 137; p. 1864.
- Cars, Adjustable partition for stock-. G. A. Peters. No. 888,844; May 26; Sp. p. 5081; Dr. p. 1084; Gaz. vol. 134; p. 912.
- Cars and flanged bar therefor, Construction of metal. R. V. Sage. No. 907,410; Dec. 22; Sp. p. 4452; Gaz. vol. 137; p. 1818.
- Cars and flanged bar therefor, Construction of metal. R. V. Sage. No. 907,411; Dec. 22; Sp. p. 4454; Gaz. vol. 137; p. 1819.
- Cars and other vehicles, Resilient wheel of motor-. T. Oldfield and J. A. Schofield. No. 894,458; July 28; Sp. p. 4359; Dr. pp. 898-9; Gaz. vol. 135; p. 764.
- Cars and other vehicles, Spring-wheel for motor-. E. Rodriguez. No. 892,452; July 7; Sp. p. 124; Dr. p. 27; Gaz. vol. 135; p. 25.
- Cars and the like, Apparatus for indicating the level of petrol in the petrol-container of motor-. F. Huttenlocher. No. 904,874; Nov. 24; Sp. p. 4841; Gaz. vol. 137; p. 865.
- Cars and the like, Sanding apparatus for trolley-. C. Snyder. No. 890,310; June 9; Sp. p. 2272; Dr. p. 501; Gaz. vol. 134; p. 1448.
- Cars and vehicles, Auxiliary relief wheel-rim for motor. T. M. and W. Davies. No. 895,975; Aug. 11; Sp. p. 2404; Dr. p. 514; Gaz. vol. 135; p. 1311.
- Cars, Antifriction center-bearing for railway-. W. H. Miner. No. 887,262; May 12; Sp. p. 1845; Dr. p. 389; Gaz. vol. 134; p. 330.
- Cars, Antifriction side bearing for railway-. J. F. O'Connor. No. 888,115; May 19; Sp. p. 3598; Dr. p. 754; Gaz. vol. 134; p. 643.
- Cars at drawbridges, Safety device for street-. J. W. Collins. No. 888,588; May 26; Sp. p. 4526; Dr. p. 960; Gaz. vol. 134; p. 830.
- Cars, Attachment for dirt push-. J. W. Grubbs. No. 886,800; May 5; Sp. p. 964; Dr. pp. 201-2; Gaz. vol. 134; p. 156.
- Cars, Automatic pipe-coupling for railway-. E. E. Gold. No. 898,214; Sept. 8; Sp. p. 1987; Dr. p. 424; Gaz. vol. 136; p. 345.
- Cars, Check-lock for. H. S. Boucher. No. 885,907; Apr. 28; Sp. p. 4597; Dr. p. 963; Gaz. vol. 133; p. 2009.
- Cars, Check attachment for. J. A. McConnell. No. 901,815; Oct. 20; Sp. p. 3674; Dr. p. 746; Gaz. vol. 136; p. 1707.
- Cars, Combination dashboard and shield for tramway-. R. Genovese. No. 908,241; Dec. 29; Sp. p. 6243; Gaz. vol. 137; p. 2124.
- Cars, Controller for motor traction-. W. C. Mayo. No. 902,985; Nov. 3; Sp. p. 902; Gaz. vol. 137; p. 151.
- Cars, Destination-sign for street-. R. C. Taylor. No. 893,758; July 21; Sp. p. 2887; Dr. p. 593; Gaz. vol. 135; p. 512.
- Cars, Detachable log-retaining device for. O. W. Wade. No. 899,816; Sept. 29; Sp. p. 5122; Dr. p. 1096; Gaz. vol. 136; p. 961.
- Cars, Door-operating mechanism for gondola. E. I. Dodds. No. 893,613; July 21; Sp. p. 2515; Dr. pp. 523-4; Gaz. vol. 135; p. 463.
- Cars, Double body-bolster for railway-. J. M. Ames. No. 878,595; Feb. 11; Sp. p. 1519; Dr. p. 309; Gaz. vol. 132; p. 1115.
- Cars, Double body-bolster for railway-. J. M. Ames. No. 878,596; Feb. 11; Sp. p. 1521; Dr. pp. 309-10; Gaz. vol. 132; p. 1115.
- Cars, Draw-head for railway-. C. R. Bowen. No. 880,270; Feb. 25; Sp. p. 4918; Dr. p. 1041; Gaz. vol. 132; p. 1734.
- Cars, Dumping-door-operating mechanism for dump-. E. Posson. No. 894,529; July 28; Sp. p. 4485; Dr. p. 929; Gaz. vol. 135; p. 786.
- Cars, Emergency-bolt for draft-timbers of railway freight-. T. J. Gannon. No. 889,597; June 2; Sp. p. 805; Dr. p. 134; Gaz. vol. 134; p. 1187.
- Cars, Fireproof support for electrical wires in railway-. E. T. Robinson. No. 896,463; Aug. 18; Sp. p. 3355; Dr. p. 722; Gaz. vol. 135; p. 1491.
- Cars, Folding step for railway-. A. Fuller. No. 877,708; Jan. 28; Sp. p. 4136; Dr. p. 895; Gaz. vol. 132; p. 761.
- Cars, Friction spring draft-rigging for railway-. W. H. Miner and J. F. O'Connor. No. 877,406; Jan. 21; Sp. p. 3636; Dr. pp. 787-8; Gaz. vol. 132; p. 661.
- Cars, Guard-rail for street-. G. D. Secor. No. 885,089; Apr. 21; Sp. p. 2899; Dr. p. 615; Gaz. vol. 133; p. 1714.
- Cars, &c., Hanger-strap or handhold for. J. F. Newton, Jr. No. 879,575; Feb. 18; Sp. p. 3459; Dr. p. 725; Gaz. vol. 132; p. 1472.
- Cars, &c., Hanger-strap or handhold for. J. F. Newton, Jr. No. 901,119; Oct. 13; Sp. p. 2195; Dr. pp. 446-7; Gaz. vol. 136; p. 1441.
- Cars, Interior finish of steel railway-. W. F. Kiesel, Jr. No. 878,539; Feb. 11; Sp. p. 1376; Dr. pp. 282-3; Gaz. vol. 132; p. 1095.
- Cars, Means for operating the doors of hopper-bottom. W. S. Atwood and F. Ditchfield. No. 897,049; Aug. 25; Sp. p. 4598; Dr. p. 980; Gaz. vol. 135; p. 1708.
- Cars, Mechanism for controlling air and sand on. C. Spicer. No. 897,229; Aug. 25; Sp. p. 4962; Dr. p. 1053; Gaz. vol. 135; p. 1765.
- Cars, Mechanism for handling. G. Holmes. No. 891,933; June 30; Sp. p. 5594; Dr. pp. 1205-6; Gaz. vol. 134; p. 2077.
- Cars, Metallic underframe for railway-. H. Tesseyman. No. 893,282; July 14; Sp. p. 1810; Dr. p. 880; Gaz. vol. 135; p. 326.
- Cars or trains, System for automatically stopping. E. E. Kleinschmidt. No. 882,695; Mar. 24; Sp. p. 4376; Dr. p. 931; Gaz. vol. 133; p. 817.
- Cars or vehicles along a railway and the control thereof, Apparatus governing the passage of. J. D. Taylor. No. 887,288; May 12; Sp. p. 1929; Dr. p. 407; Gaz. vol. 134; p. 341.
- Cars or vehicles along a railway, Apparatus for governing the passage of. J. D. Taylor. No. 892,770; July 7; Sp. p. 736; Dr. pp. 155-6; Gaz. vol. 135; p. 128.
- Cars or vehicles along a railway, Control of apparatus governing the passage of. J. D. Taylor. No. 887,290; May 12; Sp. p. 1943; Dr. pp. 408-9; Gaz. vol. 134; p. 341.
- Cars, Portable automatic stop mechanism for. P. Winsor. No. 878,263; Feb. 4; Sp. p. 760; Dr. p. 153; Gaz. vol. 132; p. 970.
- Cars, Pressed-steel journal-box for railway-. W. H. Shinn. No. 890,805; June 16; Sp. p. 3288; Dr. p. 720; Gaz. vol. 134; p. 1642.
- Cars, Running-board saddle for. W. H. Miner. No. 891,354; June 23; Sp. p. 4398; Dr. p. 957; Gaz. vol. 134; p. 1852.
- Cars, Sash-window for railway-. R. Mende. No. 900,407; Oct. 6; Sp. p. 705; Dr. p. 146; Gaz. vol. 136; p. 1184.
- Cars, Steel underframing for railway-. F. L. Irwin. No. 882,638; Mar. 24; Sp. p. 4268; Dr. p. 905; Gaz. vol. 133; p. 798.
- Cars, Street-signal for. N. G. Augir. No. 899,499; Sept. 29; Sp. p. 4443; Dr. p. 954; Gaz. vol. 136; p. 856.
- Cars, Subframe for railway-. R. D. Gallagher, Jr. No. 879,536; Feb. 18; Sp. p. 3370; Dr. pp. 704-5; Gaz. vol. 132; p. 1459.
- Cars, Switch-throwing device for street-railway. W. A. Jones. No. 889,785; June 2; Sp. p. 1159; Dr. p. 268; Gaz. vol. 134; p. 1247.
- Cars, System for automatically loading. W. J. Selleck. No. 876,737; Jan. 14; Sp. p. 2151; Dr. pp. 472-3; Gaz. vol. 132; p. 381.
- Cars, Third-rail attachment for electric. G. H. Sohn. No. 889,266; June 2; Sp. p. 148; Dr. p. 35; Gaz. vol. 134; p. 1082.
- Cars, Trip-stake and bolster for logging-. F. J. Schmittner. No. 900,040; Sept. 29; Sp. p. 5003; Dr. p. 1195; Gaz. vol. 136; p. 1033.
- Cars, Truck for replacing derailed street-. E. E. Birch. No. 905,050; Nov. 24; Sp. p. 5176; Gaz. vol. 137; p. 923.
- Cars, &c., Ventilator for railway-. J. E. Ward. No. 886,558; May 5; Sp. p. 426; Dr. p. 91; Gaz. vol. 134; p. 78.
- Cars while the train travels, Device for automatically locking doors of railway-. W. Mittmann. No. 877,724; Jan. 28; Sp. p. 4165; Dr. p. 902; Gaz. vol. 132; p. 765.
- Caramel-tray. F. P. Vavra. No. 905,027; Nov. 24; Sp. p. 5140; Gaz. vol. 135; p. 916.
- Carbid-cartridge. E. M. Rosenbluth. No. 880,470; Feb. 25; Sp. p. 5326; Dr. pp. 1120-1; Gaz. vol. 132; p. 1801.
- Carbid, Manufacture of. H. L. Hartenstein. No. 889,124; May 26; Sp. p. 5650; Gaz. vol. 134; p. 1004.
- Carbid-manufacturing apparatus. H. L. Hartenstein. No. 888,610; May 26; Sp. p. 4587; Dr. p. 973; Gaz. vol. 134; p. 838.
- Carbohydrates soluble, Rendering. A. Boidin. No. 906,188; Dec. 8; Sp. p. 2109; Gaz. vol. 137; p. 1361.
- Carbon articles, Preparing. P. M. Bennie. No. 889,891; June 9; Sp. p. 1384; Dr. p. 314; Gaz. vol. 134; p. 1307.
- Carbon-black-producing apparatus. A. D. Purtle and I. E. Rowland. No. 877,596; Jan. 28; Sp. p. 3930; Dr. p. 850; Gaz. vol. 132; p. 725.
- Carbon chlorides, &c., Making. H. S. Blackmore. No. 889,573; June 2; Sp. p. 757; Gaz. vol. 134; p. 1179.
- Carbon-containing article, Siloxicon-coated. E. G. Acheson. No. 895,531; Aug. 11; Sp. p. 1522; Gaz. vol. 135; p. 1170.
- Carbon-holder. O. A. Ross. No. 897,410; Sept. 1; Sp. p. 353; Dr. p. 74; Gaz. vol. 136; p. 54.
- Carbon, Producing chlorides of. J. MacKay. No. 880,900; Mar. 3; Sp. p. 845; Dr. pp. 180-1; Gaz. vol. 133; p. 142.
- Carbon sheets, Means for mounting. C. H. Megson and G. H. Sculthorp. No. 883,219; Mar. 31; Sp. p. 5434; Dr. p. 1157; Gaz. vol. 133; p. 1019.
- Carbon tetrachloride, Making. C. E. Acker. No. 891,896; June 30; Sp. p. 5523; Dr. p. 1193; Gaz. vol. 134; p. 2064.
- Carbonaceous materials, Briquetting. W. T. Griffin. No. 905,693; Dec. 1; Sp. p. 1150; Gaz. vol. 137; p. 1170.
- Carbonated liquid. H. B. Brehaut. No. 879,031; Feb. 11; Sp. p. 2335; Gaz. vol. 132; p. 1253.
- Carbonating and bottling apparatus, Liquid. A. J. Billows. No. 899,782; Sept. 29; Sp. p. 5050; Dr. p. 1082; Gaz. vol. 136; p. 950.
- Carbonating apparatus. H. Pein. No. 906,062; Dec. 8; Sp. p. 1865; Gaz. vol. 137; p. 1320.
- Carbonator, Injector-. J. H. Fox. No. 889,516; June 2; Sp. p. 657; Dr. pp. 152-3; Gaz. vol. 134; p. 1162.
- Carborundum-disk-truing device. R. E. Belden. No. 887,059; May 12; Sp. p. 1438; Dr. p. 305; Gaz. vol. 134; p. 265.
- Carbureter. J. H. Miller. No. 876,210; Jan. 7; Sp. p. 1013; Dr. p. 220; Gaz. vol. 132; p. 172.
- Carbureter. M. L. Williams. No. 876,287; Jan. 7; Sp. p. 1180; Dr. p. 257; Gaz. vol. 132; p. 199.
- Carbureter. J. F. Andres. No. 876,678; Jan. 14; Sp. p. 2042; Dr. pp. 445-6; Gaz. vol. 132; p. 303.
- Carbureter. E. Gundelach. No. 876,800; Jan. 14; Sp. p. 2252; Dr. p. 495; Gaz. vol. 132; p. 400.
- Carbureter. A. C. Stewart. No. 877,136; Jan. 21; Sp. p. 2993; Dr. p. 647; Gaz. vol. 132; p. 554.
- Carbureter. L. M. J. C. Levavasseur. No. 878,297; Feb. 4; Sp. p. 833; Dr. pp. 165-6; Gaz. vol. 132; p. 982.

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- Carbureter. L. Anderson. No. 878,706; Feb. 11; Sp. p. 1733; Dr. pp. 358-9; Gaz. vol. 132; p. 1151.
 Carbureter. W. A. Cahill. No. 878,770; Feb. 11; Sp. p. 1857; Dr. p. 383; Gaz. vol. 132; p. 1171.
 Carbureter. F. W. Beardsley. No. 880,062; Feb. 25; Sp. p. 4408; Dr. pp. 945-6; Gaz. vol. 132; p. 1664.
 Carbureter. C. Krebs. No. 881,416; Mar. 10; Sp. p. 1842; Dr. pp. 400-1; Gaz. vol. 133; p. 338.
 Carbureter. C. Schmidt. No. 882,170; Mar. 17; Sp. p. 3388; Dr. p. 720; Gaz. vol. 133; p. 613.
 Carbureter. M. D. Colbath. No. 883,171; Mar. 31; Sp. p. 5338; Dr. p. 1137; Gaz. vol. 133; p. 1002.
 Carbureter. M. Loewenstein. No. 885,265; Apr. 21; Sp. p. 3289; Dr. p. 688; Gaz. vol. 133; p. 1773.
 Carbureter. A. W. Breiding. No. 885,832; Apr. 28; Sp. p. 4460; Dr. p. 936; Gaz. vol. 133; p. 1984.
 Carbureter. S. G. Averell. No. 885,905; Apr. 28; Sp. p. 4593; Dr. pp. 962-3; Gaz. vol. 133; p. 2008.
 Carbureter. W. L. Wayrynen. No. 886,283; Apr. 28; Sp. p. 5354; Dr. p. 1125; Gaz. vol. 133; p. 2134.
 Carbureter. T. E. Puddington. No. 886,403; May 5; Sp. p. 123; Dr. pp. 23-4; Gaz. vol. 134; p. 26.
 Carbureter. W. L. Marr. No. 886,526; May 5; Sp. p. 363; Dr. p. 75; Gaz. vol. 134; p. 67.
 Carbureter. W. L. Marr. No. 886,527; May 5; Sp. p. 366; Dr. p. 76; Gaz. vol. 134; p. 67.
 Carbureter. G. M. Schebler. No. 886,545; May 5; Sp. p. 399; Dr. pp. 84-5; Gaz. vol. 134; p. 74.
 Carbureter. T. E. Puddington. No. 887,017; May 5; Sp. p. 1348; Dr. p. 286; Gaz. vol. 134; p. 224.
 Carbureter. A. H. Rife. No. 887,230; May 12; Sp. p. 1780; Dr. p. 374; Gaz. vol. 134; p. 320.
 Carbureter. A. Winton and H. B. Anderson. No. 887,370; May 12; Sp. p. 2105; Dr. p. 442; Gaz. vol. 134; p. 369.
 Carbureter. C. A. Rader. No. 888,263; May 19; Sp. p. 3861; Dr. p. 812; Gaz. vol. 134; p. 691.
 Carbureter. C. R. Greuter. No. 888,487; May 26; Sp. p. 4331; Dr. p. 917; Gaz. vol. 134; p. 793.
 Carbureter. H. T. Thomas. No. 889,558; June 2; Sp. p. 735; Dr. p. 170; Gaz. vol. 134; p. 1175.
 Carbureter. H. Richardson. No. 890,099; June 9; Sp. p. 1803; Dr. p. 399; Gaz. vol. 134; p. 1378.
 Carbureter. P. Haack and H. Munzert. No. 890,273; June 9; Sp. p. 2199; Dr. p. 483; Gaz. vol. 134; p. 1435.
 Carbureter. O. E. Byron. No. 890,494; June 9; Sp. p. 2603; Dr. p. 577; Gaz. vol. 134; p. 1503.
 Carbureter. A. W. Menns. No. 891,219; June 16; Sp. p. 4102; Dr. p. 900; Gaz. vol. 134; p. 1775.
 Carbureter. A. Jourdanet, P. Billet, and F. Baron. No. 891,936; June 30; Sp. p. 5599; Dr. p. 1207; Gaz. vol. 134; p. 2078.
 Carbureter. F. W. Hodges. No. 892,155; June 30; Sp. p. 6030; Dr. p. 1296; Gaz. vol. 134; p. 2147.
 Carbureter. E. N. Broderick. No. 892,499; July 7; Sp. p. 217; Dr. pp. 45-6; Gaz. vol. 135; p. 40.
 Carbureter. G. H. Holgate. No. 892,726; July 7; Sp. p. 659; Dr. p. 139; Gaz. vol. 135; p. 114.
 Carbureter. W. C. Willard. No. 893,685; July 21; Sp. p. 2649; Dr. p. 556; Gaz. vol. 135; p. 457.
 Carbureter. A. Grandjean. No. 894,136; July 21; Sp. p. 3659; Dr. pp. 756-7; Gaz. vol. 135; p. 637.
 Carbureter. K. G. Johnston. No. 896,388; Aug. 18; Sp. p. 3203; Dr. p. 686; Gaz. vol. 135; p. 1466.
 Carbureter. F. H. Heitger. No. 898,361; Sept. 8; Sp. p. 2255; Dr. p. 480; Gaz. vol. 136; p. 391.
 Carbureter. L. P. Mooers. No. 898,494; Sept. 15; Sp. p. 2528; Dr. pp. 541-2; Gaz. vol. 136; p. 468.
 Carbureter. L. P. Mooers. No. 898,495; Sept. 15; Sp. p. 2531; Dr. p. 542; Gaz. vol. 136; p. 468.
 Carbureter. G. S. Pierson. No. 898,920; Sept. 15; Sp. p. 3334; Dr. p. 714; Gaz. vol. 136; p. 606.
 Carbureter. F. H. Heitger. No. 899,109; Sept. 22; Sp. p. 3681; Dr. p. 759; Gaz. vol. 136; p. 695.
 Carbureter. F. H. Heitger. No. 900,098; Oct. 6; Sp. p. 46; Dr. p. 9; Gaz. vol. 136; p. 1082.
 Carbureter. H. Small. No. 900,604; Oct. 6; Sp. p. 1132; Dr. pp. 232-3; Gaz. vol. 136; p. 1248.
 Carbureter. F. H. Heitger. No. 900,731; Oct. 13; Sp. p. 1411; Dr. p. 287; Gaz. vol. 136; p. 1317.
 Carbureter. A. Graumüller. No. 901,237; Oct. 13; Sp. p. 2398; Dr. p. 492; Gaz. vol. 136; p. 1478.
 Carbureter. T. Howell. No. 901,345; Oct. 20; Sp. p. 2647; Dr. p. 543; Gaz. vol. 136; p. 1550.
 Carbureter. W. M. Carlin. No. 904,508; Nov. 24; Sp. p. 4064; Gaz. vol. 137; p. 741.
 Carbureter. E. J. Thompson. No. 904,659; Nov. 24; Sp. p. 4364; Gaz. vol. 137; p. 792.
 Carbureter. P. Spranger. No. 905,012; Nov. 24; Sp. p. 5111; Gaz. vol. 137; p. 911.
 Carbureter. M. F. McCarthy. No. 906,548; Dec. 15; Sp. p. 2778; Gaz. vol. 137; p. 1504.
 Carbureter. A. Winton and H. B. Anderson. No. 906,980; Dec. 15; Sp. p. 3585; Gaz. vol. 137; p. 1639.
 Carbureter. J. W. Broderick. No. 907,123; Dec. 22; Sp. p. 3880; Gaz. vol. 137; p. 1721.
 Carbureter. W. L. Perry. No. 907,279; Dec. 22; Sp. p. 4211; Gaz. vol. 137; p. 1775.
 Carbureter. J. F. Duryea. No. 907,757; Dec. 29; Sp. p. 5216; Gaz. vol. 137; p. 1963.
 Carbureter. F. C. Reineking. No. 907,881; Dec. 29; Sp. p. 5452; Gaz. vol. 137; p. 2004.
 Carbureter air-inlet regulator. A. A. Longuemare. No. 896,559; Aug. 18; Sp. p. 3546; Dr. p. 762; Gaz. vol. 135; p. 1522.
 Carbureter and governor for internal-combustion engines, Combined. C. H. McClintock. No. 889,032; May 26; Sp. p. 5452; Dr. pp. 1158-9; Gaz. vol. 134; p. 974.
 Carbureter and mixer. O. R. Hukle. No. 904,960; Nov. 24; Sp. p. 5002; Gaz. vol. 137; p. 893.
 Carbureter, Explosion-engine. A. A. Louis. No. 894,389; July 28; Sp. p. 4214; Dr. p. 869; Gaz. vol. 135; p. 740.
 Carbureter for explosion-engines. W. H. Newbrough. No. 878,824; Feb. 11; Sp. p. 1958; Dr. p. 405; Gaz. vol. 132; p. 1188.
 Carbureter for explosion-motors. F. Baverey. No. 907,953; Dec. 29; Sp. p. 5621; Gaz. vol. 137; p. 2026.
 Carbureter for explosive-engines. A. A. Longuemare. No. 875,716; Jan. 7; Sp. p. 76; Dr. p. 16; Gaz. vol. 132; p. 16.
 Carbureter for explosive-engines. E. J. Boyler. No. 880,502; Mar. 3; Sp. p. 23; Dr. p. 6; Gaz. vol. 133; p. 7.
 Carbureter for explosive-engines. P. H. Brennan. No. 891,322; June 23; Sp. p. 4329; Dr. p. 944; Gaz. vol. 134; p. 1842.
 Carbureter for explosive-motors, Automatic. L. M. G. Delaunay-Belleville. No. 888,965; May 26; Sp. p. 5340; Dr. pp. 1133-4; Gaz. vol. 134; p. 953.
 Carbureter for hydrocarbon-engines. R. Odell. No. 888,190; May 19; Sp. p. 3727; Dr. p. 781; Gaz. vol. 134; p. 666.
 Carbureter for internal-combustion engines. O. Minton. No. 878,411; Feb. 4; Sp. p. 1043; Dr. p. 211; Gaz. vol. 132; p. 1019.
 Carbureter for internal-combustion engines. P. Allen. No. 881,279; Mar. 10; Sp. p. 1580; Dr. p. 337; Gaz. vol. 133; p. 295.
 Carbureter for internal-combustion engines. S. A. Horstmann. No. 881,800; Mar. 10; Sp. p. 2593; Dr. pp. 556-7; Gaz. vol. 133; p. 462.
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 Carbureter for internal-combustion engines. J. Johnston. No. 894,656; July 28; Sp. p. 4742; Dr. pp. 984-5; Gaz. vol. 135; p. 827.
 Carbureter gasoline-feed chamber. G. J. Mayer. No. 896,652; Aug. 18; Sp. p. 3706; Dr. pp. 797-8; Gaz. vol. 135; p. 1550.
 Carbureter, Hydrocarbon-engine. E. F. and G. H. Abernethy. No. 895,709; Aug. 11; Sp. p. 1857; Dr. p. 395; Gaz. vol. 135; p. 1226.
 Carbureter, Multiple. C. R. Greuter. No. 879,380; Feb. 18; Sp. p. 3042; Dr. pp. 633-4; Gaz. vol. 132; p. 1408.
 Carbureter, Rapid-fire. J. A. Speed. No. 886,265; Apr. 28; Sp. p. 5311; Dr. p. 1118; Gaz. vol. 133; p. 2127.
 Carbureter, Spray-. P. A. Poppe. No. 883,740; Apr. 7; Sp. p. 121; Dr. p. 21; Gaz. vol. 133; p. 1212.
 Carbureters, Air-intake regulator for. F. C. Reineking. No. 894,286; July 28; Sp. p. 4005; Dr. p. 826; Gaz. vol. 135; p. 706.
 Carbureters, Automatic double air-inlet for. J. L. Plain. No. 906,039; Dec. 8; Sp. p. 1820; Gaz. vol. 137; p. 1313.
 Carbureters, Cushioning device for automatic dilution-valves in. A. A. Longuemare. No. 878,077; Feb. 4; Sp. p. 374; Dr. p. 77; Gaz. vol. 132; p. 909.
 Carbureting air for explosive-engines. A. Winton and H. B. Anderson. No. 897,259; Aug. 25; Sp. p. 5110; Dr. p. 1066; Gaz. vol. 135; p. 1779.
 Carbureting and oil-separating apparatus. F. A. Sylva. No. 896,422; Aug. 18; Sp. p. 2273; Dr. p. 702; Gaz. vol. 135; p. 1478.
 Carbureting apparatus. H. E. Smith. No. 883,249; Mar. 31; Sp. p. 5501; Dr. p. 1173; Gaz. vol. 133; p. 1028.
 Carbureting apparatus. H. Keitel. No. 895,273; Aug. 4; Sp. p. 1014; Dr. p. 212; Gaz. vol. 135; p. 1061.
 Carbureting apparatus, Air-. C. L. Meyer and N. P. Hickey. No. 881,431; Mar. 10; Sp. p. 1871; Dr. p. 407; Gaz. vol. 133; p. 342.
 Carbureting apparatus, Air-. S. W. Peregrine. No. 906,275; Dec. 8; Sp. p. 2273; Gaz. vol. 137; p. 1391.
 Carbureting apparatus for explosive-engines. F. Dürr. No. 890,970; June 16; Sp. p. 3637; Dr. p. 791; Gaz. vol. 134; p. 1696.
 Carbureting device. A. C. Granel. No. 900,999; Oct. 13; Sp. p. 1974; Dr. p. 401; Gaz. vol. 136; p. 1405.
 Carbureting mechanism for internal-combustion engines. A. P. Brush. No. 886,760; May 5; Sp. p. 880; Dr. p. 182; Gaz. vol. 134; p. 144.
 Carbureting plant. S. W. Peregrine. No. 906,276; Dec. 8; Sp. p. 2274; Gaz. vol. 137; p. 1391.
 Carbureting plant, Safety. C. M. Kemp. No. 903,479; Nov. 10; Sp. p. 1886; Gaz. vol. 137; p. 340.
 Carcass-scrubber. C. L. Smith. No. 882,719; Mar. 24; Sp. p. 4428; Dr. pp. 941-2; Gaz. vol. 133; p. 824.
 Card. L. G. Gilliland. No. 890,135; June 9; Sp. p. 1881; Dr. p. 416; Gaz. vol. 134; p. 1390.
 Card, Address-bearing. E. D. Belknap. No. 898,425; Sept. 15; Sp. p. 2396; Dr. p. 512; Gaz. vol. 136; p. 447.
 Card-case. F. A. Moonert and H. K. Whitner. No. 887,953; May 19; Sp. p. 3285; Dr. p. 691; Gaz. vol. 134; p. 591.
 Card-case. G. Coon. No. 905,657; Dec. 1; Sp. p. 1087; Gaz. vol. 137; p. 1158.
 Card-clothing-attaching means. A. Arnold. No. 895,610; Aug. 11; Sp. p. 1667; Dr. pp. 351-2; Gaz. vol. 135; p. 1194.
 Card-clothing attachment, Device for. A. B. Kasparsen. No. 896,023; Aug. 11; Sp. p. 2497; Dr. p. 540; Gaz. vol. 135; p. 1328.
 Card-exhibiting device. G. Mayerle. No. 876,278; Jan. 7; Sp. p. 1159; Dr. p. 253; Gaz. vol. 132; p. 195.
 Card-exhibiting machine. H. G. Taylor. No. 880,598; Mar. 3; Sp. p. 227; Dr. pp. 47-8; Gaz. vol. 133; p. 40.
 Card-feeders, Automatic stock-compensating device for. G. F. Geb. No. 894,494; July 28; Sp. p. 4427; Dr. p. 916; Gaz. vol. 135; p. 775.
 Card-holder. W. E. Knoder. No. 891,840; June 30; Sp. p. 5419; Dr. p. 1171; Gaz. vol. 134; p. 2045.
 Card-holder. P. M. Matheson. No. 898,758; Sept. 15; Sp. p. 3037; Dr. p. 651; Gaz. vol. 136; p. 552.
 Card holder, Information-. J. H. Healy. No. 896,909; Aug. 25; Sp. p. 4298; Dr. p. 919; Gaz. vol. 135; p. 1661.
 Card holder, Postal-. W. H. Manning. No. 907,615; Dec. 22; Sp. p. 4905; Gaz. vol. 137; p. 1886.

Alphabetical list of inventions—Continued.

- Card-making machine. A. L. Hemphill. No. 902,488; Oct. 27; Sp. p. 5078; Dr. pp. 1028-9; Gaz. vol. 136; p. 1956.
- Card-mount. J. N. C. Graham. No. 884,086; Apr. 7; Sp. p. 849; Dr. p. 178; Gaz. vol. 133; p. 1327.
- Card or ticket holder. J. Black. No. 895,333; Aug. 4; Sp. p. 1126; Dr. p. 236; Gaz. vol. 135; p. 1081.
- Card-rack. I. Hahn. No. 884,149; Apr. 7; Sp. p. 1017; Dr. p. 212; Gaz. vol. 133; p. 1348.
- Card-rack. H. E. Read. No. 905,578; Dec. 1; Sp. p. 943; Gaz. vol. 137; p. 1133.
- Card-rack. F. X. Krahach. No. 907,611; Dec. 22; Sp. p. 4887; Gaz. vol. 137; p. 1885.
- Card rack, Playing-. H. De Joannis. No. 886,130; Apr. 28; Sp. p. 5079; Dr. p. 1066; Gaz. vol. 133; p. 2082.
- Card-record. I. S. Bassett. No. 886,753; May 5; Sp. p. 856; Dr. p. 178; Gaz. vol. 134; p. 142.
- Card, Scoring-. F. F. Schweda. No. 906,745; Dec. 15; Sp. p. 3151; Gaz. vol. 137; p. 1566.
- Card shuffler and trump-indicator, Playing-. J. Gaunt. No. 877,992; Feb. 4; Sp. p. 190; Dr. p. 42; Gaz. vol. 132; p. 881.
- Card-shuffling device. B. F. Bellows. No. 892,389; July 7; Sp. p. 2; Dr. p. 1; Gaz. vol. 135; p. 3.
- Card, Souvenir-. J. Lackner. No. 895,771; Aug. 11; Sp. p. 1989; Dr. p. 421; Gaz. vol. 135; p. 1246.
- Card-support. W. L. Keplinger. No. 892,850; July 7; Sp. p. 916; Dr. p. 194; Gaz. vol. 135; p. 153.
- Card-supporting device. E. L. Sherwood. No. 889,340; June 2; Sp. p. 286; Dr. p. 69; Gaz. vol. 134; p. 1104.
- Card system. G. C. Anderson. No. 885,826; Apr. 28; Sp. p. 4443; Dr. p. 934; Gaz. vol. 133; p. 1982.
- Cards for games. C. Deshler. No. 907,133; Dec. 22; Sp. p. 3902; Gaz. vol. 137; p. 1725.
- Cards or analogous articles, Display-holder for. J. H. Kevorkian. No. 906,894; Dec. 15; Sp. p. 3441; Gaz. vol. 137; p. 1613.
- Cards, tickets, papers, &c., Holder for. A. A. Low. No. 908,114; Dec. 29; Sp. p. 5946; Gaz. vol. 137; p. 2080.
- Cardboard blanks, Machine for making. J. E. Fellows and E. W. Bonfield. No. 902,867; Nov. 3; Sp. p. 677; Gaz. vol. 137; p. 113.
- Cardboard box. J. E. Thornton. No. 896,600; Aug. 18; Sp. p. 3620; Dr. p. 777; Gaz. vol. 135; p. 1536.
- Cardboard box. O. H. Davis. No. 901,695; Oct. 20; Sp. p. 3438; Dr. p. 697; Gaz. vol. 136; p. 1669.
- Cardboard box or carton. A. Sommer. No. 887,352; May 12; Sp. p. 2073; Dr. p. 435; Gaz. vol. 134; p. 364.
- Carding-engine, Traveling-. F. E. Kip and E. C. Smith. No. 878,884; Feb. 11; Sp. p. 2068; Dr. p. 430; Gaz. vol. 132; p. 1208.
- Carding-machine. J. J. Wehinger. No. 893,290; July 14; Sp. p. 1824; Dr. p. 383; Gaz. vol. 135; p. 328.
- Carding-machine. F. P. Woll and C. Schofield. No. 896,604; Aug. 18; Sp. p. 3624; Dr. p. 778; Gaz. vol. 135; p. 1537.
- Carding-machine. J. Stewart. No. 901,045; Oct. 13; Sp. p. 2057; Dr. p. 418; Gaz. vol. 136; p. 1419.
- Carding-machine. E. V. Bates and R. B. Robinson. No. 906,993; Dec. 15; Sp. p. 3613; Gaz. vol. 137; p. 1643.
- Carding-machine cylinder and clothing therefor. C. A. Cobbett. No. 873,348; Feb. 4; Sp. p. 926; Dr. p. 184; Gaz. vol. 132; p. 998.
- Carnation-holder. E. G. and H. Klahn. No. 903,986; Nov. 17; Sp. p. 2945; Gaz. vol. 137; p. 537.
- Carnation-supporter. W. Greer. No. 891,059; June 16; Sp. p. 3804; Dr. p. 830; Gaz. vol. 134; p. 1725.
- Carousel. A. Kolsky. No. 894,386; July 28; Sp. p. 4205; Dr. pp. 867-8; Gaz. vol. 135; p. 739.
- Carpenter's combination-tool. A. Bartels. No. 897,867; Sept. 8; Sp. p. 1281; Dr. p. 274; Gaz. vol. 136; p. 234.
- Carpenter's gage. B. A. Vaughn. No. 892,750; July 7; Sp. p. 759; Dr. p. 160; Gaz. vol. 135; p. 131.
- Carpenter's foot. T. Buehler. No. 889,104; May 26; Sp. p. 5609; Dr. p. 1187; Gaz. vol. 134; p. 997.
- Carpenter's tool, Combined. B. Jacob. No. 883,112; Mar. 24; Sp. p. 5198; Dr. pp. 1110-11; Gaz. vol. 133; p. 953.
- Carpet and rug cleaning machine. J. R. Nye. No. 882,208; Mar. 17; Sp. p. 3444; Dr. pp. 732-3; Gaz. vol. 133; p. 623.
- Carpet-beater. T. Holt. No. 880,531; Mar. 3; Sp. p. 71; Dr. p. 17; Gaz. vol. 133; p. 16.
- Carpet-beater. A. W. Andrews. No. 897,512; Sept. 1; Sp. p. 562; Dr. p. 118; Gaz. vol. 136; p. 89.
- Carpet-beater and dust-pump, Combined. J. O. Johnson. No. 890,514; June 9; Sp. p. 2645; Dr. pp. 584-5; Gaz. vol. 134; p. 1512.
- Carpet-cleaning machine. W. Farman. No. 876,446; Jan. 14; Sp. p. 1533; Dr. p. 330; Gaz. vol. 132; p. 282.
- Carpet-cleaning machine, Pneumatic. J. F. Rudd. No. 906,165; Dec. 8; Sp. p. 2065; Gaz. vol. 137; p. 1354.
- Carpet-fastener. J. C. F. Berger. No. 883,129; Mar. 24; Sp. p. 5243; Dr. p. 1119; Gaz. vol. 133; p. 958.
- Carpet-fastener. A. B. Heydrich. No. 890,513; June 9; Sp. p. 2644; Dr. p. 584; Gaz. vol. 134; p. 1512.
- Carpet-fastener. C. E. Billings. No. 899,377; Sept. 22; Sp. p. 4210; Dr. p. 901; Gaz. vol. 136; p. 781.
- Carpet fastener, Stair-. J. L. Kingstom. No. 888,713; May 26; Sp. p. 4794; Dr. p. 1021; Gaz. vol. 134; p. 870.
- Carpet fastener, Stair-. E. E. Greene. No. 901,167; Oct. 13; Sp. p. 2277; Dr. p. 464; Gaz. vol. 136; p. 1457.
- Carpet squares, Machine for making wood-. C. M. Krebs. No. 894,017; July 21; Sp. p. 3419; Dr. pp. 699-702; Gaz. vol. 135; p. 597.
- Carpet-stretcher. J. B. Logan. No. 876,817; Jan. 14; Sp. p. 2293; Dr. p. 504; Gaz. vol. 132; p. 406.
- Carpet-stretcher. T. E. Davis. No. 882,873; Mar. 24; Sp. p. 4746; Dr. p. 1009; Gaz. vol. 133; p. 874.
- Carpet-stretcher. R. J. Tanner. No. 884,776; Apr. 14; Sp. p. 2282; Dr. pp. 480-1; Gaz. vol. 133; p. 1583.
- Carpet-stretcher. T. K. Bradbury. No. 888,689; May 26; Sp. p. 4752; Dr. pp. 1010-11; Gaz. vol. 134; p. 863.
- Carpet-stretcher. T. Walker. No. 891,645; June 23; Sp. p. 5017; Dr. p. 1080; Gaz. vol. 134; p. 1949.
- Carpet-stretcher. R. R. Shapley. No. 891,740; June 23; Sp. p. 5190; Dr. p. 1121; Gaz. vol. 134; p. 1979.
- Carpet-stretcher. J. M. Eby. No. 901,231; Oct. 13; Sp. p. 2387; Dr. p. 488; Gaz. vol. 136; p. 1476.
- Carpet-sweeper. F. C. Mason and J. W. Shanahan. No. 877,852; Jan. 28; Sp. p. 4397; Dr. p. 957; Gaz. vol. 132; p. 806.
- Carpet-sweeper. T. L. Totten. No. 878,432; Feb. 4; Sp. p. 1077; Dr. pp. 219-20; Gaz. vol. 132; p. 1026.
- Carpet-sweeper. W. A. Morrison and F. L. Bryant. No. 879,977; Feb. 25; Sp. p. 4322; Dr. p. 905; Gaz. vol. 132; p. 1637.
- Carpet-sweeper. L. P. Halladay. No. 900,527; Oct. 6; Sp. p. 981; Dr. p. 200; Gaz. vol. 136; p. 1222.
- Carpet-sweeper. J. T. Gzybowski. No. 905,695; Dec. 1; Sp. p. 1153; Gaz. vol. 137; p. 1170.
- Carpet sweeper and cleaner. J. M. Spangler. No. 889,823; June 2; Sp. p. 1231; Dr. p. 285; Gaz. vol. 134; p. 1259.
- Carpet-sweepers, Disinfecting attachment for. W. L. Plumb. No. 888,529; May 26; Sp. p. 4397; Dr. p. 932; Gaz. vol. 134; p. 807.
- Carpet-warp-setting machine. B. S. and R. N. W. Smith. No. 880,169; Feb. 25; Sp. p. 4705; Dr. pp. 992-3; Gaz. vol. 132; p. 1699.
- Carriage and automobile body. M. J. Rothschild. No. 889,402; June 2; Sp. p. 429; Dr. p. 102; Gaz. vol. 134; p. 1125.
- Carriage, Baby-. J. E. Loshbough. No. 882,901; Mar. 24; Sp. p. 4800; Dr. p. 1021; Gaz. vol. 133; p. 883.
- Carriage-body. N. Gilbert. No. 885,744; Apr. 28; Sp. p. 4273; Dr. p. 894; Gaz. vol. 133; p. 1954.
- Carriage-bow. R. H. Pfaff. No. 876,995; Jan. 21; Sp. p. 2689; Dr. p. 584; Gaz. vol. 132; p. 506.
- Carriage-brake. M. Ehlert. No. 898,566; Sept. 15; Sp. p. 2677; Dr. p. 572; Gaz. vol. 136; p. 491.
- Carriage, Child's. A. W. Loshbough. No. 882,900; Mar. 24; Sp. p. 4798; Dr. p. 1020; Gaz. vol. 133; p. 882.
- Carriage-curtain. R. Wall. No. 891,118; June 16; Sp. p. 3892; Dr. p. 852; Gaz. vol. 134; p. 1742.
- Carriage-cushioning device. M. Wolf. No. 887,888; May 19; Sp. p. 3166; Dr. p. 666; Gaz. vol. 134; p. 570.
- Carriage driving mechanism, Motor-. A. B. Morse. No. 883,735; Apr. 7; Sp. p. 110; Dr. pp. 19-20; Gaz. vol. 133; p. 1211.
- Carriage, Folding. O. N. Turner. No. 890,253; June 9; Sp. p. 2131; Dr. p. 467; Gaz. vol. 134; p. 1429.
- Carriage, Folding. O. N. Turner. No. 899,851; Sept. 29; Sp. p. 5205; Dr. pp. 1114-15; Gaz. vol. 136; p. 973.
- Carriage, Folding baby-. J. E. Loshbough. No. 882,902; Mar. 24; Sp. p. 4804; Dr. p. 1021; Gaz. vol. 133; p. 884.
- Carriage foot-brake. C. Strohkorb. No. 892,769; July 7; Sp. p. 734; Dr. p. 155; Gaz. vol. 135; p. 127.
- Carriage-hood. T. Golde. No. 878,948; Feb. 11; Sp. p. 2189; Dr. pp. 458-9; Gaz. vol. 132; p. 1228.
- Carriage, Mechanical-doll. C. H. Hood. No. 886,507; May 5; Sp. p. 329; Dr. p. 68; Gaz. vol. 134; p. 60.
- Carriage, Motor-. J. C. Sherman. No. 902,692; Nov. 3; Sp. p. 315; Gaz. vol. 137; p. 54.
- Carriage robe, cushion, and attachment for holding toilet essentials, Combined. K. A. Werle. No. 886,907; May 5; Sp. p. 1144; Dr. p. 240; Gaz. vol. 134; p. 188.
- Carriage runner attachment, Baby-. O. Fyelling. No. 906,701; Dec. 15; Sp. p. 3059; Gaz. vol. 137; p. 1551.
- Carriage runner, Child's-. H. B. Van Vliet. No. 901,500; Oct. 20; Sp. p. 3019; Dr. p. 617; Gaz. vol. 136; p. 1604.
- Carriage-shift and platen-rotator. O. A. Luce and J. C. N. Richards. No. 891,274; June 21; Sp. p. 4224; Dr. pp. 924-5; Gaz. vol. 134; p. 1826.
- Carriage, Take-apart baby-. F. Turner. No. 897,502; Sept. 1; Sp. p. 534; Dr. p. 113; Gaz. vol. 136; p. 85.
- Carriage-top. W. J. Hoskyns. No. 876,905; Jan. 14; Sp. p. 2472; Dr. p. 540; Gaz. vol. 132; p. 456.
- Carriage-top. C. W. Coops. No. 891,815; June 30; Sp. p. 5366; Dr. p. 1161; Gaz. vol. 134; p. 2036.
- Carriage-top. J. P. Fillingham. No. 900,963; Sept. 29; Sp. p. 5661; Dr. pp. 1209-10; Gaz. vol. 136; p. 1041.
- Carriage-top bow-separator. A. W. Stengel. No. 906,327; Dec. 8; Sp. p. 2382; Gaz. vol. 137; p. 1408.
- Carriage-top umbrella. W. R. Roote. No. 902,914; Nov. 3; Sp. p. 771; Gaz. vol. 137; p. 127.
- Carriages, Rest, Lateral-support for. J. C. Williams and A. B. Conner. No. 902,459; Oct. 27; Sp. p. 5012; Dr. p. 1013; Gaz. vol. 136; p. 1945.
- Carrier. See Animal-carrier; Automatic carrier; Beehive-carrier; Bicycle package-carrier; Bicycle parcel-carrier; Bottle-carrier; Burial-casket carrier; Carriage-carrier; Cash-carrier; Clothing-carrier; Coin-carrier; Cuspidor-carrier; Die-carrier; Drawer-carrier; Egg-carrier; Egg-case carrier; Electric carrier; Elevated carrier; Endless carrier; Feed-carrier; Feed and litter carrier; Folding carrier; Freight-carrier; Gravity-carrier; Hay-carrier; Hose-carrier; Ladle-carrier; Litter-carrier; Log-carrier; Loom filling-carrier; Mail-carrier; Melon-carrier; Oyster-carrier; Package-carrier; Parcel-carrier; Pencil-carrier; Photographer's background-carrier; Pneumatic carrier; Poultry and meat carrier; Rope-carrier; Sewing-machine bobbin-carrier; Shade-carrier; Tongs-carrier; Trace-carrier; Traveling carrier; Trench-digger carrier; Watermelon-carrier.
- Carrier. A. P. Boyer. No. 876,935; Jan. 21; Sp. p. 2561; Dr. p. 559; Gaz. vol. 132; p. 484.
- Carrier. C. Chase. No. 887,065; May 12; Sp. p. 1449; Dr. pp. 307-9; Gaz. vol. 134; p. 267.
- Carrier. W. and J. F. Mitchell. No. 890,680; June 16; Sp. p. 3010; Dr. pp. 660-1; Gaz. vol. 134; p. 1600.
- Carrier. G. Fink. No. 901,234; Oct. 13; Sp. p. 2392; Dr. p. 490; Gaz. vol. 136; p. 1477.
- Carrier. L. C. Browning. No. 901,318; Oct. 20; Sp. p. 2582; Dr. p. 531; Gaz. vol. 136; p. 1540.

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- Carrier. A. K. Lee. No. 904,337; Nov. 17; Sp. p. 3708; Gaz. vol. 137; p. 659.
 Carrier-stop. J. H. Bradley. No. 875,888; Jan. 7; Sp. p. 394; Dr. p. 86; Gaz. vol. 132; p. 73.
 Carrier-stop, Elevated-. A. H. Neller. No. 897,387; Sept. 1; Sp. p. 300; Dr. p. 61; Gaz. vol. 136; p. 46.
 Carrierswitch, Overhead-. G. E. Hauptmann. No. 884,383; Apr. 14; Sp. p. 1453; Dr. pp. 309-10; Gaz. vol. 133; p. 1453.
 Carriersystem. S. H. Libby. No. 884,595; Apr. 14; Sp. p. 1884; Dr. pp. 403-4; Gaz. vol. 133; p. 1522.
 Carriersystem. J. J. Meyer. No. 901,984; Oct. 27; Sp. p. 4033; Dr. pp. 817-18; Gaz. vol. 136; p. 1792.
 Carrier system. H. A. Jackson. No. 903,382; Nov. 10; Sp. p. 1683; Gaz. vol. 137; p. 308.
 Carrier system, Automatic. S. H. Libby. No. 904,788; Nov. 24; Sp. p. 4647; Gaz. vol. 137; p. 836.
 Carrier system, Automatic. S. H. Libby. No. 904,789; Nov. 24; Sp. p. 4654; Gaz. vol. 137; p. 836.
 Carrier system, Automatic. C. W. Larson. No. 905,819; Dec. 1; Sp. p. 1392; Gaz. vol. 137; p. 1212.
 Carrier system, Elevated. F. W. Ayer. No. 880,348; Feb. 25; Sp. p. 5056; Dr. p. 1068; Gaz. vol. 132; p. 1758.
 Carrier system, Pneumatic. W. H. Earl. No. 904,414; Nov. 17; Sp. p. 3843; Gaz. vol. 137; p. 683.
 Carrier's draft-rigging. E. Ring. No. 899,435; Sept. 22; Sp. p. 4307; Dr. p. 925; Gaz. vol. 136; p. 798.
 Carriers, Track-support for. F. B. Tice. No. 885,547; Apr. 21; Sp. p. 3867; Dr. p. 809; Gaz. vol. 133; p. 1862.
 Carry-all. S. D. Wilson. No. 892,969; July 7; Sp. p. 1159; Dr. p. 244; Gaz. vol. 135; p. 195.
 Carrying and pressing apparatus. C. S. Wheelwright. No. 890,112; June 9; Sp. p. 1830; Dr. pp. 404-5; Gaz. vol. 134; p. 1383.
 Cart. C. Carroll. No. 885,586; Apr. 21; Sp. p. 3937; Dr. p. 822; Gaz. vol. 133; p. 1873.
 Cart. W. Earnest. No. 898,344; Sept. 8; Sp. p. 2224; Dr. p. 472; Gaz. vol. 136; p. 386.
 Cart. R. Weir. No. 900,455; Oct. 6; Sp. p. 822; Dr. p. 168; Gaz. vol. 136; p. 1199.
 Cart, Dump-. E. A. Mathers. No. 879,826; Feb. 18; Sp. p. 3975; Dr. p. 832; Gaz. vol. 132; p. 1554.
 Cart, Dump-. F. C. Feller. No. 898,204; Sept. 8; Sp. p. 1972; Dr. p. 420; Gaz. vol. 136; p. 342.
 Cart, Dumping-. B. F. Brown. No. 878,115; Feb. 4; Sp. p. 446; Dr. p. 94; Gaz. vol. 132; p. 921.
 Cart, Dumping-. H. T. Kingsbury. No. 892,268; June 30; Sp. p. 6249; Dr. p. 1344; Gaz. vol. 134; p. 2188.
 Cart, Fodder-. T. F. Talbott. No. 886,664; May 5; Sp. p. 644; Dr. p. 133; Gaz. vol. 134; p. 111.
 Cart, Leaf-burning-. C. V. Hemenway and L. F. Kirk. No. 876,180; Jan. 7; Sp. p. 958; Dr. pp. 206-7; Gaz. vol. 132; p. 163.
 Cart lock, Dump-. H. L. Dickinson and A. L. Winder. No. 896,694; Aug. 18; Sp. p. 3803; Dr. p. 822; Gaz. vol. 135; p. 1564.
 Cart, Logging-. T. A. L. Strange. No. 891,385; June 23; Sp. p. 4462; Dr. pp. 971-2; Gaz. vol. 134; p. 1863.
 Cart, Road-. C. A. Francis. No. 907,327; Dec. 22; Sp. p. 4297; Gaz. vol. 137; p. 1791.
 Cart, Self-loading. E. S. Pearson. No. 878,890; Feb. 11; Sp. p. 2081; Dr. pp. 433-4; Gaz. vol. 132; p. 1209.
 Cart, Speeding-. M. E. Smith. No. 887,133; May 12; Sp. p. 1579; Dr. p. 335; Gaz. vol. 134; p. 290.
 Cart, Two-wheeled. J. White. No. 884,695; Apr. 14; Sp. p. 2107; Dr. p. 450; Gaz. vol. 133; p. 1555.
 Carts, Device to prevent horse motion in. W. N. Cleveland. No. 894,603; July 28; Sp. p. 4648; Dr. p. 964; Gaz. vol. 135; p. 810.
 Carton. B. Keys. No. 885,159; Apr. 21; Sp. p. 3068; Dr. p. 645; Gaz. vol. 133; p. 1737.
 Carton. J. H. Marsh and J. J. Lanzit. No. 887,679; May 12; Sp. p. 2726; Dr. p. 576; Gaz. vol. 134; p. 470.
 Carton. E. Moore. No. 888,026; May 19; Sp. p. 2425; Dr. p. 719; Gaz. vol. 134; p. 615.
 Carton. L. G. Reynolds. No. 894,396; July 28; Sp. p. 4233; Dr. p. 873; Gaz. vol. 135; p. 743.
 Carton. F. F. Gokey, W. R. Chambers, and W. E. Laprese. No. 898,355; Sept. 8; Sp. p. 2245; Dr. p. 478; Gaz. vol. 136; p. 389.
 Carton. G. W. Teasdale. No. 899,922; Sept. 29; Sp. p. 5333; Dr. p. 1139; Gaz. vol. 136; p. 994.
 Carton. L. H. Peltason. No. 906,818; Dec. 15; Sp. p. 3236; Gaz. vol. 137; p. 1589.
 Carton and display device, Combined. J. B. Singer. No. 880,410; Feb. 25; Sp. p. 5190; Dr. p. 1094; Gaz. vol. 132; p. 1779.
 Carton or display device. F. C. Ely. No. 897,608; Sept. 1; Sp. p. 759; Dr. p. 160; Gaz. vol. 136; p. 120.
 Carton pasting and folding machine. J. J. Schotten. No. 877,744; Jan. 28; Sp. p. 4202; Dr. p. 910; Gaz. vol. 132; p. 772.
 Cartridge. G. A. Finster. No. 878,369; Feb. 4; Sp. p. 961; Dr. p. 193; Gaz. vol. 132; p. 1005.
 Cartridge-belt. W. C. Fisher. No. 900,091; Oct. 6; Sp. p. 38; Dr. p. 7; Gaz. vol. 136; p. 1080.
 Cartridge-belt. W. C. Fisher. No. 900,092; Oct. 6; Sp. p. 39; Dr. p. 7; Gaz. vol. 136; p. 1081.
 Cartridge-belt. W. C. Fisher. No. 900,094; Oct. 6; Sp. p. 41; Dr. p. 8; Gaz. vol. 136; p. 1081.
 Cartridge, Blasting-. P. Selbach. No. 889,639; June 2; Sp. p. 877; Dr. p. 201; Gaz. vol. 134; p. 1201.
 Cartridge-carrier. V. H. Jennings. No. 898,372; Sept. 8; Sp. p. 2284; Dr. p. 485; Gaz. vol. 136; p. 396.
 Cartridge-carrier. V. H. Jennings. No. 898,373; Sept. 8; Sp. p. 2284; Dr. p. 486; Gaz. vol. 136; p. 396.
 Cartridge-cases and similar articles, Manufacture of. S. O. Cowper-Coles. No. 895,164; Aug. 4; Sp. p. 771; Dr. p. 161; Gaz. vol. 135; p. 1022.
 Cartridge-crimper. G. T. Phillips. No. 876,584; Jan. 14; Sp. p. 1838; Dr. p. 401; Gaz. vol. 132; p. 331.
 Cartridge-feeding device for machine-guns or the like. F. Ruzsitszka. No. 891,374; June 23; Sp. p. 4442; Dr. pp. 966-7; Gaz. vol. 134; p. 1859.
 Cartridge-loading machine. W. I. Donaldson. No. 899,592; Sept. 29; Sp. p. 4644; Dr. pp. 997-8; Gaz. vol. 136; p. 888.
 Cartridge-loading machine, Dynamite-. A. Person. No. 902,760; Nov. 3; Sp. p. 445; Gaz. vol. 137; p. 77.
 Cartridge-pocket. W. C. Fisher. No. 900,093; Oct. 6; Sp. p. 40; Dr. p. 7; Gaz. vol. 136; p. 1081.
 Cartridge-pocket. W. C. Fisher. No. 900,095; Oct. 6; Sp. p. 42; Dr. p. 8; Gaz. vol. 136; p. 1082.
 Cartridge-pocket. W. C. Fisher. No. 900,096; Oct. 6; Sp. p. 43; Dr. p. 8; Gaz. vol. 136; p. 1082.
 Cartridge-priming machine. F. W. Olin. No. 887,508; May 12; Sp. p. 2412; Dr. pp. 508-9; Gaz. vol. 134; p. 414.
 Cartridge-reloading tool. M. H. Dopplmaier. No. 885,599; Apr. 21; Sp. p. 3941; Dr. p. 823; Gaz. vol. 133; p. 1874.
 Cartridge-rope from explosive gelatin, Machine for forming a. H. Auchu. No. 881,365; Mar. 10; Sp. p. 1741; Dr. pp. 375-6; Gaz. vol. 133; p. 322.
 Cartridge-rope from explosive gelatin, Machine for forming a. H. Auchu. No. 881,366; Mar. 10; Sp. p. 1746; Dr. p. 376; Gaz. vol. 133; p. 323.
 Cartridge-rope from explosive gelatin, Machine for forming a. H. Auchu. No. 881,367; Mar. 10; Sp. p. 1749; Dr. pp. 376-7; Gaz. vol. 133; p. 323.
 Cartridge-rope from explosive gelatin, Machine for forming a. H. Auchu. No. 881,368; Mar. 10; Sp. p. 1754; Dr. pp. 378-80; Gaz. vol. 133; p. 323.
 Cartridge safety-cover. F. C. Mosier. No. 892,757; July 7; Sp. p. 716; Dr. p. 151; Gaz. vol. 135; p. 123.
 Cartridge-shell. R. W. Harris. No. 895,558; Aug. 11; Sp. p. 1575; Dr. p. 333; Gaz. vol. 135; p. 1178.
 Cartridge-shell-repairing machine. J. W. Haughawout. No. 900,532; Oct. 6; Sp. p. 991; Dr. p. 202; Gaz. vol. 136; p. 1224.
 Cartridge-shells, Means for preventing distortion of. L. Mertens. No. 898,908; Sept. 15; Sp. p. 3310; Dr. p. 709; Gaz. vol. 136; p. 602.
 Cartridge-sizing machine. H. J. Hurd. No. 887,809; May 19; Sp. p. 3001; Dr. pp. 631-2; Gaz. vol. 134; p. 544.
 Cartridge-trimming machine. H. J. Hurd. No. 904,784; Nov. 24; Sp. p. 4642; Gaz. vol. 137; p. 834.
 Cartridges, Means for securing percussion-caps in. R. H. Striebeck. No. 898,802; Sept. 15; Sp. p. 3120; Dr. p. 668; Gaz. vol. 136; p. 567.
 Carving-drill, Pneumatic. H. Meyer. No. 882,259; Mar. 17; Sp. p. 3549; Dr. p. 752; Gaz. vol. 133; p. 640.
 Carving-machine. F. H. Richards. No. 881,956; Mar. 17; Sp. p. 2948; Dr. p. 628; Gaz. vol. 133; p. 543.
 Carving-machine. F. H. Richards. No. 882,842; Mar. 24; Sp. p. 4673; Dr. pp. 994-5; Gaz. vol. 133; p. 864.
 Carving-machine. F. H. Richards. No. 885,293; Apr. 21; Sp. p. 3344; Dr. p. 699; Gaz. vol. 133; p. 1782.
 Carving-machine. F. H. Richards. No. 888,534; May 26; Sp. p. 4405; Dr. pp. 934-5; Gaz. vol. 134; p. 809.
 Carving-machine. M. A. Cumings. (Reissue.) No. 12,827; July 7; Sp. p. 1175; Dr. pp. 247-8; Gaz. vol. 135; p. 198.
 Carving-machine. W. F. Mangels. No. 895,383; Aug. 4; Sp. p. 1208; Dr. pp. 254-5; Gaz. vol. 135; p. 1096.
 Carving-machine. F. L. Alery. No. 907,435; Dec. 22; Sp. p. 4518; Gaz. vol. 137; p. 1827.
 Carving-machines, Retracting mechanism for automatic. H. C. Baase. No. 898,168; Sept. 8; Sp. p. 1906; Dr. p. 408; Gaz. vol. 136; p. 331.
 Case: See Bookcase; Bottle-case; Brush-case; Burial-case; Card-case; Cigar-case; Cigarette-case; Clock-case; Display-case; Egg-case; Extensible case; Eyeglass-case; File-case; Filing-case; Gear-case; Glass case; Grinding-machine case; Hat-packing case; Knockdown case; Lock-case; Lunch-case; Mail-receiving case; Medicine-case; Money-case; Necktie-case; Needle and thread case; Packing-case; Packing and display case; Phonograph-record case; Physician's case; Piano-case; Pianoforte-case; Sectional case; Shipping-case; Show-case; Spool-case; Stationery-supply case; Storing and display case; Suit-case; Thermometer-case; Ticket-case; Tire-case; Tobacco-case; Toilet-case; Tool-case; Traveling-case; Type-case; Valve-stem case; Vehicle-case; Watchcase.
 Case and voting-machine, Combined. J. F. Connelly and J. H. McLeod. No. 896,896; Aug. 25; Sp. p. 4243; Dr. pp. 907-8; Gaz. vol. 135; p. 1655.
 Case-hardening. A. W. Machlet. No. 884,181; Apr. 7; Sp. p. 1076; Dr. p. 224; Gaz. vol. 133; p. 1358.
 Case-hardening apparatus. A. W. Machlet. No. 884,180; Apr. 7; Sp. p. 1070; Dr. pp. 223-4; Gaz. vol. 133; p. 1358.
 Case-packing machine. T. J. Wrampelmeier. No. 893,888; July 21; Sp. p. 3149; Dr. p. 647; Gaz. vol. 135; p. 554.
 Casing-head. D. K. Johnston. No. 878,067; Feb. 4; Sp. p. 359; Dr. p. 74; Gaz. vol. 132; p. 906.
 Casing-perforator. L. E. Stephens. No. 904,657; Nov. 24; Sp. p. 4361; Gaz. vol. 137; p. 792.
 Casing-spear. M. W. Carroll. No. 897,250; Aug. 25; Sp. p. 5059; Dr. p. 1062; Gaz. vol. 135; p. 1776.
 Casein, Manufacture of. H. V. Dunham. No. 897,885; Sept. 8; Sp. p. 1310; Gaz. vol. 136; p. 239.
 Casein, Preparation of. E. Soncini. No. 905,943; Dec. 8; Sp. p. 1640; Gaz. vol. 137; p. 1283.
 Casein, Producing a horn-like substance from. P. W. F. G. Betz. No. 893,129; July 14; Sp. p. 1506; Gaz. vol. 135; p. 276.
 Casement or folding window. A. F. H. Hamann. No. 887,936; May 19; Sp. p. 3200; Dr. p. 684; Gaz. vol. 134; p. 586.
 Cash-box. R. S. Burns. No. 886,345; May 5; Sp. p. 15; Dr. p. 4; Gaz. vol. 134; p. 5.

Alphabetical list of inventions—Continued.

- Cash-carrier. M. R. Collins. No. 896,625; Aug. 18; Sp. p. 3660; Dr. p. 786; Gaz. vol. 135; p. 1543.
 Cash-carrier. C. F. Bodinus. No. 906,486; Dec. 8; Sp. p. 2659; Gaz. vol. 137; p. 1459.
 Cash-carrier, Pneumatic-tube. D. S. Hager. No. 886,496; May 5; Sp. p. 303; Dr. p. 64; Gaz. vol. 134; p. 56.
 Cash-delivery device. J. Good, Jr. No. 880,448; Feb. 25; Sp. p. 5273; Dr. p. 1109; Gaz. vol. 132; p. 1793.
 Cash-register. T. Carney. No. 876,295; Jan. 7; Sp. p. 1198; Dr. pp. 261-3; Gaz. vol. 132; p. 202.
 Cash-register. H. S. Hallwood. No. 876,635; Jan. 14; Sp. p. 1969; Dr. pp. 428-9; Gaz. vol. 132; p. 349.
 Cash-register. F. and R. Degenhardt. No. 876,776; Jan. 14; Sp. p. 2214; Dr. pp. 486-7; Gaz. vol. 132; p. 393.
 Cash-register. T. Carroll. No. 879,081; Feb. 11; Sp. p. 2428; Dr. pp. 508-10; Gaz. vol. 132; p. 1268.
 Cash-register. A. Godefroid. No. 880,653; Mar. 3; Sp. p. 333; Dr. p. 72; Gaz. vol. 133; p. 58.
 Cash-register. T. Carroll. (Reissue.) No. 12,774; Apr. 7; Sp. p. 1372; Dr. pp. 293-4; Gaz. vol. 133; p. 1412.
 Cash-register. F. H. Trevelian. No. 884,627; Apr. 14; Sp. p. 1936; Dr. pp. 416-17; Gaz. vol. 133; p. 1531.
 Cash-register. T. Carney. No. 884,639; Apr. 14; Sp. p. 1967; Dr. pp. 422-6; Gaz. vol. 133; p. 1536.
 Cash-register. T. Carney. No. 884,640; Apr. 14; Sp. p. 1986; Dr. pp. 426-8; Gaz. vol. 133; p. 1537.
 Cash-register. C. A. Lundgren. No. 885,266; Apr. 21; Sp. p. 3292; Dr. pp. 688-9; Gaz. vol. 133; p. 1773.
 Cash-register. E. J. Von Pein. No. 885,550; Apr. 21; Sp. p. 3874; Dr. pp. 810-11; Gaz. vol. 133; p. 1863.
 Cash-register. C. A. Lundgren. No. 887,673; May 12; Sp. p. 2715; Dr. p. 574; Gaz. vol. 134; p. 468.
 Cash-register. J. P. Cleal. No. 894,484; July 28; Sp. p. 4405; Dr. pp. 909-11; Gaz. vol. 135; p. 772.
 Cash-register. T. Carney. No. 895,960; Aug. 11; Sp. p. 2367; Dr. pp. 507-8; Gaz. vol. 135; p. 1307.
 Cash-register. F. H. Bickford. No. 897,575; Sept. 1; Sp. p. 687; Dr. pp. 144-5; Gaz. vol. 136; p. 108.
 Cash-register. A. N. Ericsson. No. 897,886; Sept. 8; Sp. p. 1311; Dr. pp. 280-1; Gaz. vol. 136; p. 240.
 Cash-register. T. Carroll. No. 903,172; Nov. 10; Sp. p. 1264; Gaz. vol. 137; p. 240.
 Cash-register. T. Carroll. No. 903,837; Nov. 17; Sp. p. 2622; Gaz. vol. 137; p. 487.
 Cash-register. T. Carroll. No. 903,838; Nov. 17; Sp. p. 2626; Gaz. vol. 137; p. 488.
 Cash-register. W. R. Heinitz. No. 905,072; Nov. 24; Sp. p. 5208; Gaz. vol. 137; p. 930.
 Cash-register. E. Van Camp. No. 906,969; Dec. 15; Sp. p. 3571; Gaz. vol. 137; p. 1636.
 Cash-register. E. Seigel. No. 907,414; Dec. 22; Sp. p. 4458; Gaz. vol. 137; p. 1819.
 Cash-register. J. Sharpe. No. 907,417; Dec. 22; Sp. p. 4470; Gaz. vol. 137; p. 1821.
 Cash register and indicator. N. E. Morris, Jr. No. 876,215; Jan. 7; Sp. p. 1029; Dr. pp. 222-4; Gaz. vol. 132; p. 174.
 Cash-register driving mechanism. C. A. Lundgren. No. 895,873; Aug. 11; Sp. p. 2201; Dr. p. 469; Gaz. vol. 135; p. 1279.
 Cash-register or like machine printing mechanism. A. J. Postans. No. 894,982; Aug. 4; Sp. p. 416; Dr. pp. 84-5; Gaz. vol. 135; p. 962.
 Cash-register revolving indicating-target. A. L. Creelman. No. 880,632; Mar. 3; Sp. p. 288; Dr. pp. 62-4; Gaz. vol. 133; p. 51.
 Cash-registers, Refunding attachment for. H. T. Emeis. No. 900,991; Oct. 13; Sp. p. 1956; Dr. pp. 398-9; Gaz. vol. 136; p. 1401.
 Cash-slip, Refunding. B. F. Seymour, Jr. No. 888,938; May 26; Sp. p. 5281; Dr. p. 1120; Gaz. vol. 134; p. 945.
 Cashier and discount machine, Automatic. C. E. Yale. No. 878,173; Feb. 4; Sp. p. 588; Dr. pp. 120-1; Gaz. vol. 132; p. 941.
 Cask, Cylindrical. W. G. Avery. No. 900,692; Oct. 13; Sp. p. 1337; Dr. p. 272; Gaz. vol. 136; p. 1305.
 Cask rinsing and airing apparatus. C. Gülke. No. 881,575; Mar. 10; Sp. p. 2153; Dr. p. 470; Gaz. vol. 133; p. 391.
 Casks, Means for cleansing. H. S. Gregory. No. 877,074; Jan. 21; Sp. p. 2858; Dr. p. 617; Gaz. vol. 132; p. 533.
 Casks with a coating, Providing. R. Rostock. No. 884,993; Apr. 14; Sp. p. 2702; Gaz. vol. 133; p. 1650.
 Casks with a protective coating, Providing cement or concrete. R. Rostock. No. 884,994; Apr. 14; Sp. p. 2703; Gaz. vol. 133; p. 1650.
 Casket-handle. A. P. Gillen. No. 881,395; Mar. 10; Sp. p. 1806; Dr. p. 391; Gaz. vol. 133; p. 351.
 Casket-handle. N. L. Barmore. No. 888,776; May 26; Sp. p. 4930; Dr. pp. 1050-1; Gaz. vol. 134; p. 890.
 Casket-handle. J. H. Mills. No. 900,569; Oct. 6; Sp. p. 1070; Dr. pp. 219-20; Gaz. vol. 136; p. 1237.
 Casket-handle. S. W. Babbitt. No. 906,363; Dec. 8; Sp. p. 2443; Gaz. vol. 137; p. 1419.
 Casket-protector. E. J. Callahan and D. G. Fisher. No. 900,980; Oct. 13; Sp. p. 1939; Dr. p. 395; Gaz. vol. 136; p. 1398.
 Caskets and graves, Combined cover and hood for. C. Weber-Illig. No. 900,971; Oct. 13; Sp. p. 1920; Dr. p. 391; Gaz. vol. 136; p. 1394.
 Cast-iron and the like, Hardening of. G. H. H. Emmett. No. 878,053; Feb. 4; Sp. p. 332; Gaz. vol. 132; p. 902.
 Casting apparatus. M. C. Steese. No. 883,253; Mar. 31; Sp. p. 5509; Dr. p. 1174; Gaz. vol. 133; p. 1030.
 Casting apparatus. W. S. Weston. No. 891,891; June 30; Sp. p. 5510; Dr. pp. 1190-1; Gaz. vol. 134; p. 2062.
 Casting apparatus. H. G. Underwood. No. 893,037; July 14; Sp. p. 1325; Dr. p. 279; Gaz. vol. 135; p. 246.
 Casting apparatus. S. G. Franklin. No. 894,824; Aug. 4; Sp. p. 47; Dr. p. 10; Gaz. vol. 135; p. 908.
 Casting apparatus. E. B. Van Wagner. No. 900,802; Oct. 13; Sp. p. 1551; Dr. pp. 315-16; Gaz. vol. 136; p. 1339.
 Casting apparatus. E. B. Van Wagner. No. 900,803; Oct. 13; Sp. p. 1556; Dr. p. 316; Gaz. vol. 136; p. 1340.
 Casting apparatus. W. S. Weston. No. 900,807; Oct. 13; Sp. p. 1572; Dr. pp. 318-19; Gaz. vol. 136; p. 1342.
 Casting apparatus, Actuating mechanism for turn-table pipe. E. A. Custer. No. 898,441; Sept. 15; Sp. p. 2429; Dr. p. 520; Gaz. vol. 136; p. 451.
 Casting apparatus, Die-. A. G. Rauh and L. Olsen. No. 889,547; June 2; Sp. p. 709; Dr. pp. 163-5; Gaz. vol. 134; p. 1171.
 Casting apparatus, Ingot-. J. O. E. Trotz. No. 894,410; July 28; Sp. p. 4262; Dr. p. 879; Gaz. vol. 135; p. 747.
 Casting apparatus, Metal-pouring mechanism for pipe-. E. A. Custer. No. 898,631; Sept. 15; Sp. p. 2807; Dr. p. 600; Gaz. vol. 136; p. 513.
 Casting apparatus, Pipe-. D. B. Dimick. No. 880,284; Feb. 25; Sp. p. 4948; Dr. pp. 1045-6; Gaz. vol. 132; p. 1738.
 Casting articles. D. J. Murnane. No. 890,293; June 9; Sp. p. 2233; Dr. p. 491; Gaz. vol. 134; p. 1442.
 Casting chilled rolls, Mold for. R. H. West. No. 891,309; June 23; Sp. p. 4297; Dr. pp. 939-40; Gaz. vol. 134; p. 1838.
 Casting chilled rolls, Mold for. R. H. West. No. 894,925; Aug. 4; Sp. p. 284; Dr. pp. 60-1; Gaz. vol. 135; p. 943.
 Casting chilled rolls, Mold for. R. H. West. No. 894,926; Aug. 4; Sp. p. 298; Dr. pp. 61-2; Gaz. vol. 135; p. 943.
 Casting copper and copper alloys. C. Gautsch. No. 898,638; Sept. 15; Sp. p. 2828; Gaz. vol. 136; p. 515.
 Casting cylinders, Pattern for. G. C. Bourdreaux. No. 879,942; Feb. 25; Sp. p. 4257; Dr. p. 890; Gaz. vol. 132; p. 1625.
 Casting device. P. Schwickart. No. 889,723; June 2; Sp. p. 1050; Dr. p. 242; Gaz. vol. 134; p. 1227.
 Casting hollow metal bodies. G. H. Benjamin. No. 895,535; Aug. 11; Sp. p. 1528; Dr. p. 323; Gaz. vol. 135; p. 1171.
 Casting links in chain form, Apparatus for. C. S. McIntire. No. 895,883; Aug. 11; Sp. p. 2220; Dr. pp. 473-4; Gaz. vol. 135; p. 1282.
 Casting-machine. A. L. Walker. No. 878,102; Feb. 4; Sp. p. 421; Dr. pp. 89-90; Gaz. vol. 132; p. 917.
 Casting-machine. R. B. Holley. No. 883,312; Mar. 31; Sp. p. 5630; Dr. p. 1201; Gaz. vol. 133; p. 1049.
 Casting-machine. J. B. Ladd and D. Baker. No. 905,194; Dec. 1; Sp. p. 145; Gaz. vol. 137; p. 1007.
 Casting machine, Line-. D. S. Kennedy. No. 905,541; Dec. 1; Sp. p. 875; Gaz. vol. 137; p. 1123.
 Casting metals. W. Peters and C. M. Caspersson. No. 893,363; July 14; Sp. p. 1958; Dr. p. 411; Gaz. vol. 135; p. 352.
 Casting metals, Apparatus for making molds for. A. C. Brock. No. 893,137; July 14; Sp. p. 1524; Dr. p. 322; Gaz. vol. 135; p. 279.
 Casting mold, Steel-. A. McNaughton. No. 907,520; Dec. 22; Sp. p. 4680; Gaz. vol. 137; p. 1855.
 Casting-mold structure-lifting device. E. A. Custer. No. 905,851; Dec. 8; Sp. p. 1461; Gaz. vol. 137; p. 1252.
 Casting-molds, Means for automatically controlling the opening and closing of two-part. E. A. Custer. No. 898,190; Sept. 8; Sp. p. 1943; Dr. p. 416; Gaz. vol. 136; p. 338.
 Casting, Preparing magnesium and alloys thereof for. P. Rakowicz. No. 906,820; Dec. 15; Sp. p. 3288; Gaz. vol. 137; p. 1590.
 Casting-rod. M. A. Beck. No. 887,753; May 19; Sp. p. 2884; Dr. p. 607; Gaz. vol. 134; p. 524.
 Casting soil, water, and gas pipe direct from the blast-furnace in permanent molds. E. A. Custer. No. 904,759; Nov. 24; Sp. p. 4572; Gaz. vol. 137; p. 826.
 Casting-tool. H. Goddard. No. 882,461; Mar. 17; Sp. p. 3905; Dr. p. 835; Gaz. vol. 133; p. 706.
 Castings, Cooling. L. Kavanaugh. No. 899,736; Sept. 29; Sp. p. 4937; Dr. p. 1059; Gaz. vol. 136; p. 933.
 Castings, Producing chilled. M. J. Somers. No. 882,720; Mar. 24; Sp. p. 4433; Dr. p. 942; Gaz. vol. 133; p. 825.
 Castings, Remedying defects, such as blow-holes, in metal. E. Wiss. No. 884,346; Apr. 7; Sp. p. 1356; Dr. p. 290; Gaz. vol. 133; p. 1410.
 Caster. E. H. Humphrey. No. 877,081; Jan. 21; Sp. p. 2868; Dr. p. 619; Gaz. vol. 132; p. 535.
 Caster. J. R. Brown. No. 877,486; Jan. 28; Sp. p. 3655; Dr. p. 799; Gaz. vol. 132; p. 689.
 Caster. W. B. Rand. No. 877,948; Feb. 4; Sp. p. 104; Dr. p. 24; Gaz. vol. 132; p. 866.
 Caster. A. R. Cavis. No. 879,519; Feb. 18; Sp. p. 3340; Dr. p. 697; Gaz. vol. 132; p. 1454.
 Caster. D. C. McVail and S. Mechan. No. 880,234; Feb. 25; Sp. p. 4850; Dr. p. 1025; Gaz. vol. 132; p. 1722.
 Caster. E. Lockyer. No. 883,655; Mar. 31; Sp. p. 6344; Dr. p. 1352; Gaz. vol. 133; p. 1157.
 Caster. E. Sabo. No. 888,040; May 19; Sp. p. 3449; Dr. p. 724; Gaz. vol. 134; p. 620.
 Caster. L. B. Legge. No. 888,426; May 19; Sp. p. 4197; Dr. p. 890; Gaz. vol. 134; p. 744.
 Caster. M. B. Schenck. No. 895,503; Aug. 11; Sp. p. 1459; Dr. p. 306; Gaz. vol. 135; p. 1159.
 Caster. M. B. Schenck. No. 895,504; Aug. 11; Sp. p. 1461; Dr. p. 306; Gaz. vol. 135; p. 1160.
 Caster. E. H. Humphrey. No. 898,740; Sept. 15; Sp. p. 3009; Dr. p. 644; Gaz. vol. 136; p. 547.
 Caster. A. F. W. Bowen. No. 899,505; Sept. 29; Sp. p. 4456; Dr. p. 956; Gaz. vol. 136; p. 858.
 Caster, Adjustable. E. Devine. No. 885,024; Apr. 21; Sp. p. 2776; Dr. p. 588; Gaz. vol. 133; p. 1694.
 Caster, Ball-. M. M. Ryan. No. 877,236; Jan. 21; Sp. p. 3206; Dr. p. 695; Gaz. vol. 132; p. 589.
 Caster, Ball-. A. Klotzbach. No. 899,013; Sept. 15; Sp. p. 3504; Dr. p. 750; Gaz. vol. 136; p. 636.
 Caster, Ball-. J. H. Fenney. No. 903,850; Nov. 17; Sp. p. 2650; Gaz. vol. 137; p. 492.

Alphabetical list of inventions—Continued.

- Caster, Ball-. J. Sterba. No. 905,383; Dec. 1; Sp. p. 509; Gaz. vol. 137; p. 1070.
- Caster, Ball-bearing. H. Denton. No. 896,089; Aug. 18; Sp. p. 2617; Dr. p. 567; Gaz. vol. 135; p. 1371.
- Caster, Ball-bearing. B. C. Woodward and H. E. Scaff. No. 908,188; Dec. 29; Sp. p. 6111; Gaz. vol. 137; p. 2105.
- Caster for tubular legs. A. B. Diss. No. 891,046; June 16; Sp. p. 3770; Dr. p. 823; Gaz. vol. 134; p. 1721.
- Caster, Furniture-. A. B. Diss. No. 891,045; June 16; Sp. p. 3769; Dr. p. 823; Gaz. vol. 134; p. 1721.
- Caster, Furniture-. G. E. Neuberth. No. 900,417; Oct. 6; Sp. p. 723; Dr. p. 151; Gaz. vol. 136; p. 1187.
- Caster, Furniture-. E. P. Rother. No. 900,424; Oct. 6; Sp. p. 736; Dr. pp. 153-4; Gaz. vol. 136; p. 1189.
- Caster, Furniture-. G. E. Neuberth. No. 900,577; Oct. 6; Sp. p. 1084; Dr. p. 222; Gaz. vol. 136; p. 1239.
- Caster, Stove-. J. B. Zwemer. No. 896,050; Aug. 11; Sp. p. 2541; Dr. p. 552; Gaz. vol. 135; p. 1336.
- Caster, Trunk-. F. Herkert, Jr. No. 887,327; May 12; Sp. p. 2028; Dr. p. 425; Gaz. vol. 134; p. 355.
- Caster-wheel. S. P. Curtis. No. 908,396; Dec. 29; Sp. p. 6562; Gaz. vol. 137; p. 2177.
- Castrating-tool. J. N. Gasset. No. 881,117; Mar. 10; Sp. p. 1244; Dr. p. 267; Gaz. vol. 133; p. 241.
- Catamenial appliance. D. S. Daudt. No. 900,150; Oct. 6; Sp. p. 162; Dr. p. 34; Gaz. vol. 136; p. 1100.
- Catamenial bandage. W. Lauffs. No. 879,778; Feb. 18; Sp. p. 3871; Dr. p. 811; Gaz. vol. 132; p. 1537.
- Catamenial bandage. A. R. Slater. No. 880,928; Mar. 3; Sp. p. 896; Dr. pp. 193-4; Gaz. vol. 133; p. 151.
- Catamenial bandage. M. E. Doyle. No. 882,301; Mar. 17; Sp. p. 3630; Dr. p. 769; Gaz. vol. 133; p. 654.
- Catamenial device. A. I. Jordan. No. 881,130; Mar. 10; Sp. p. 1274; Dr. p. 274; Gaz. vol. 133; p. 246.
- Catamenial-sack support. H. M. Richards. No. 901,742; Oct. 20; Sp. p. 3532; Dr. p. 714; Gaz. vol. 136; p. 1684.
- Catch, Automatic. F. Willmak. No. 905,262; Dec. 1; Sp. p. 276; Gaz. vol. 137; p. 1030.
- Catch for swing-closures. J. H. Nelson. No. 900,415; Oct. 6; Sp. p. 721; Dr. p. 150; Gaz. vol. 136; p. 1187.
- Catching and holding device. E. L. Hitt. No. 898,890; Sept. 15; Sp. p. 3283; Dr. pp. 702-3; Gaz. vol. 136; p. 596.
- Caterer's cup. G. O. Crawford. No. 904,050; Nov. 17; Sp. p. 3074; Gaz. vol. 137; p. 559.
- Catgut thread, Sterilized. H. Schmidt. No. 887,130; May 12; Sp. p. 1575; Gaz. vol. 134; p. 289.
- Cattle-guard. J. J. Harrison and W. A. Owings. No. 879,260; Feb. 18; Sp. p. 2802; Dr. p. 557; Gaz. vol. 132; p. 1369.
- Cattle-guard. M. R. Wilhite. No. 889,838; June 2; Sp. p. 1256; Dr. pp. 289-90; Gaz. vol. 134; p. 1264.
- Cattle-guard. M. R. Allen. No. 890,324; June 9; Sp. p. 2299; Dr. p. 507; Gaz. vol. 134; p. 1452.
- Cattle-guard. E. J. York. No. 891,127; June 16; Sp. p. 3904; Dr. p. 855; Gaz. vol. 134; p. 1745.
- Cattle-guard. E. A. Manny. (Reissue.) No. 12,818; June 23; Sp. p. 5338; Dr. p. 1155; Gaz. vol. 134; p. 2004.
- Cattle-guard. W. E. Dement. No. 893,059; July 14; Sp. p. 1369; Dr. p. 289; Gaz. vol. 135; p. 253.
- Cattle-guard. W. L. Flewellin and R. W. Pitts. No. 895,548; Aug. 11; Sp. p. 1554; Dr. p. 328; Gaz. vol. 135; p. 1174.
- Cattle-guard. G. W. Cline. No. 904,045; Nov. 17; Sp. p. 3064; Gaz. vol. 137; p. 557.
- Cattle-guard. A. M. Hovey and J. B. Clark. No. 906,882; Dec. 15; Sp. p. 3417; Gaz. vol. 137; p. 1609.
- Cattle-guard. W. E. Dement. No. 907,472; Dec. 22; Sp. p. 4598; Gaz. vol. 137; p. 1840.
- Cattle-guard gate. J. Adams. No. 902,518; Oct. 27; Sp. p. 5152; Dr. p. 1043; Gaz. vol. 136; p. 1967.
- Cattle-lander. E. E. Lamb. No. 880,146; Feb. 25; Sp. p. 4656; Dr. p. 982; Gaz. vol. 132; p. 1890.
- Caustic holder, Lunar-. J. P. O'Connor. No. 881,142; Mar. 10; Sp. p. 1304; Dr. p. 281; Gaz. vol. 133; p. 251.
- Ceiling. F. Abel. No. 894,308; July 28; Sp. p. 4055; Dr. p. 837; Gaz. vol. 135; p. 714.
- Ceiling, Metal. J. A. Stevens. No. 895,809; Aug. 11; Sp. p. 2082; Dr. p. 441; Gaz. vol. 135; p. 1258.
- Ceiling or sheathing, Metallic. P. Ebner. No. 879,248; Feb. 18; Sp. p. 2774; Dr. p. 581; Gaz. vol. 132; p. 1365.
- Cell-case machine. A. W. D. Weis and J. Starman. No. 880,845; Mar. 3; Sp. p. 734; Dr. pp. 155-6; Gaz. vol. 133; p. 124.
- Cell-case machine. G. W. Swift, Jr. No. 889,643; June 2; Sp. p. 882; Dr. pp. 202-3; Gaz. vol. 134; p. 1202.
- Cell, Galvanic. J. T. Szek. No. 906,952; Dec. 8; Sp. p. 1630; Gaz. vol. 137; p. 1285.
- Celluloid-like substance. C. Schraube and E. Laudien. No. 892,899; July 7; Sp. p. 1027; Gaz. vol. 135; p. 170.
- Celluloid, Manufacture of non-inflammable. L. L. Bèthisy. No. 894,108; July 21; Sp. p. 3600; Gaz. vol. 135; p. 628.
- Celluloid substitute and making same. E. A. L. Rouxeville. No. 881,827; Mar. 10; Sp. p. 2649; Gaz. vol. 133; p. 471.
- Celluloid unflammable and incombustible, Rendering. P. Marino. No. 893,634; July 21; Sp. p. 2562; Gaz. vol. 135; p. 470.
- Cellulose and making same, Nitro derivative of. B. Herstein. No. 879,871; Feb. 25; Sp. p. 4092; Gaz. vol. 132; p. 1601.
- Cellulose compounds, Producing. I. Kitsee. No. 900,744; Oct. 13; Sp. p. 1437; Gaz. vol. 136; p. 1320.
- Cellulose derivative. E. Knoevenagel and H. Lebach. No. 891,218; June 16; Sp. p. 4100; Gaz. vol. 134; p. 1775.
- Cellulose for artificial silk, Preparing. G. L. and A. Schaefer. No. 879,416; Feb. 18; Sp. p. 3133; Gaz. vol. 132; p. 1421.
- Cellulose, Manufacture of. E. Morterud. No. 883,328; Mar. 31; Sp. p. 5655; Dr. p. 1207; Gaz. vol. 133; p. 1053.
- Cellulose, Method and apparatus for producing. A. Muntzing. No. 882,790; Mar. 24; Sp. p. 4557; Dr. p. 973; Gaz. vol. 133; p. 847.
- Cement. M. Brown. No. 879,241; Feb. 18; Sp. p. 2763; Gaz. vol. 132; p. 1363.
- Cement and making same, White non-staining Portland. S. B. Newberry. No. 900,874; Oct. 13; Sp. p. 1712; Gaz. vol. 136; p. 1363.
- Cement and making the same, Slag. H. Kühl. No. 900,939; Oct. 13; Sp. p. 1854; Gaz. vol. 136; p. 1384.
- Cement-applying mechanism. P. R. Glass. No. 896,986; Aug. 25; Sp. p. 4464; Dr. p. 954; Gaz. vol. 135; p. 1685.
- Cement block. J. S. Minton. No. 887,211; May 12; Sp. p. 1712; Dr. p. 364; Gaz. vol. 134; p. 314.
- Cement block and brick machine. S. M. Kimble. No. 878,542; Feb. 11; Sp. p. 1382; Dr. p. 284; Gaz. vol. 132; p. 1096.
- Cement-block machine. R. Endsley. No. 878,945; Feb. 11; Sp. p. 2186; Dr. p. 457; Gaz. vol. 132; p. 1227.
- Cement-block machine. J. Wengels. No. 881,518; Mar. 10; Sp. p. 2033; Dr. p. 444; Gaz. vol. 133; p. 369.
- Cement-block machine. J. W. Miller. No. 884,101; Apr. 7; Sp. p. 874; Dr. p. 184; Gaz. vol. 133; p. 1332.
- Cement-block machine. W. S. Colvin. No. 892,583; July 7; Sp. p. 361; Dr. pp. 79-80; Gaz. vol. 135; p. 67.
- Cement-block machine. C. S. Wert. No. 896,259; Aug. 18; Sp. p. 2928; Dr. p. 631; Gaz. vol. 135; p. 1426.
- Cement-block machine. G. W. Buck. No. 900,910; Oct. 13; Sp. p. 1791; Dr. pp. 361-2; Gaz. vol. 136; p. 1375.
- Cement-block machine. G. L. Reed. No. 901,740; Oct. 20; Sp. p. 3528; Dr. p. 714; Gaz. vol. 136; p. 1683.
- Cement-block machine. P. A. Lawin. No. 908,018; Dec. 29; Sp. p. 5764; Gaz. vol. 137; p. 2048.
- Cement-block machine, Down-face. G. F. Newton. No. 894,390; July 28; Sp. p. 4215; Dr. p. 869; Gaz. vol. 135; p. 740.
- Cement-block mold. S. V. Tsanoff. No. 877,874; Jan. 28; Sp. p. 4439; Dr. p. 967; Gaz. vol. 132; p. 814.
- Cement-block mold. W. A. Crew. No. 892,138; June 30; Sp. p. 5991; Dr. p. 1287; Gaz. vol. 134; p. 2142.
- Cement-block molds, Face-plate for. G. W. Dunlap. No. 880,782; Mar. 3; Sp. p. 595; Dr. p. 127; Gaz. vol. 133; p. 102.
- Cement-block-molding machine. F. Cherny. No. 884,713; Apr. 14; Sp. p. 2149; Dr. pp. 456-7; Gaz. vol. 133; p. 1562.
- Cement brick and the like, Machine for making. F. C. Hohn. No. 880,886; Mar. 3; Sp. p. 823; Dr. pp. 174-5; Gaz. vol. 133; p. 138.
- Cement-brick machine. D. H. Merritt. No. 881,815; Mar. 10; Sp. p. 2620; Dr. pp. 562-3; Gaz. vol. 133; p. 467.
- Cement-building-block-making machine. A. Ströh. No. 907,299; Dec. 22; Sp. p. 4250; Gaz. vol. 137; p. 1782.
- Cement burial-vault. C. A. Gibson. No. 905,416; Dec. 1; Sp. p. 572; Gaz. vol. 137; p. 1081.
- Cement-burning apparatus. B. E. Eldred. No. 879,448; Feb. 18; Sp. p. 3193; Dr. p. 665; Gaz. vol. 132; p. 1430.
- Cement-burning furnace. W. E. Snyder. No. 876,602; Jan. 14; Sp. p. 1832; Dr. pp. 411-12; Gaz. vol. 132; p. 337.
- Cement by treating hot liquid blast-furnace slag with milk of lime, Manufacturing. H. Colloseus. No. 893,708; July 21; Sp. p. 2688; Gaz. vol. 135; p. 494.
- Cement by treating hot liquid blast-furnace slag with solutions of alkaline substances, Manufacturing. H. Colloseus. No. 893,707; July 21; Sp. p. 2687; Gaz. vol. 135; p. 494.
- Cement-chair mold. M. Serrier. No. 886,877; May 5; Sp. p. 1087; Dr. p. 228; Gaz. vol. 134; p. 179.
- Cement clinkers, Method and apparatus for utilizing heat from. T. C. King. No. 894,507; July 28; Sp. p. 4452; Dr. pp. 921-2; Gaz. vol. 135; p. 779.
- Cement column. R. H. Guyer. No. 881,183; Mar. 10; Sp. p. 1375; Dr. p. 296; Gaz. vol. 133; p. 263.
- Cement compound, Composition of matter to be used as a. C. Guy. No. 878,382; Feb. 4; Sp. p. 989; Gaz. vol. 132; p. 1010.
- Cement-drain-tile-making machine. J. Cardiff. No. 905,646; Dec. 1; Sp. p. 1071; Gaz. vol. 137; p. 1155.
- Cement from blast-furnace slag, Manufacturing. H. Colloseus. (Reissue.) No. 12,801; June 2; Sp. p. 1353; Dr. p. 309; Gaz. vol. 134; p. 1280.
- Cement from blast-furnace slag, Manufacturing a sea-water-resisting. H. Colloseus. No. 893,706; July 21; Sp. p. 2686; Gaz. vol. 135; p. 493.
- Cement-grinding mills, Pusher for. J. W. Fuller, Jr. No. 893,236; July 14; Sp. p. 1715; Dr. pp. 361-2; Gaz. vol. 135; p. 310.
- Cement-kilns by producer-gas and apparatus therefor, Process of heating. H. L. Doherty. No. 887,316; May 12; Sp. p. 2009; Dr. p. 421; Gaz. vol. 134; p. 352.
- Cement, Manufacture of. W. E. Snyder. No. 897,938; Sept. 8; Sp. p. 1445; Dr. p. 309; Gaz. vol. 136; p. 258.
- Cement-mould compound. C. H. Land. No. 895,094; Aug. 4; Sp. p. 636; Gaz. vol. 135; p. 1000.
- Cement-mixer. A. J. Remley. No. 888,118; May 18; Sp. p. 3602; Dr. p. 755; Gaz. vol. 134; p. 644.
- Cement-mixing machine. F. J. Email. No. 877,918; Feb. 4; Sp. p. 48; Dr. p. 10; Gaz. vol. 132; p. 857.
- Cement-molds, Corner-lock for. H. A. Carmichael. No. 881,224; Mar. 10; Sp. p. 1462; Dr. p. 314; Gaz. vol. 133; p. 277.
- Cement mortar and making the same, Waterproof Portland-. R. H. Gaines. No. 883,683; Mar. 31; Sp. p. 6392; Gaz. vol. 133; p. 1166.
- Cement or concrete block mold. A. M. Haight. No. 882,249; Mar. 17; Sp. p. 3521; Dr. p. 747; Gaz. vol. 133; p. 636.
- Cement or concrete catch-basin and sewer-pipe, Reinforced. J. M. Phelan. No. 890,573; June 9; Sp. p. 2759; Dr. p. 610; Gaz. vol. 134; p. 1532.

Alphabetical list of inventions—Continued.

- Cement or concrete mixer. J. A. Randall. No. 899,071; Sept. 22; Sp. p. 3612; Dr. p. 773; Gaz. vol. 136; p. 681.
- Cement-packer. E. P. Kleppinger. No. 904,334; Nov. 17; Sp. p. 3703; Gaz. vol. 137; p. 658.
- Cement paving. R. Kieserling. No. 892,377; June 30; Sp. p. 6448; Dr. p. 1391; Gaz. vol. 134; p. 2220.
- Cement-pipe-making machine. H. Besser. No. 898,428; Sept. 15; Sp. p. 2400; Dr. pp. 514-15; Gaz. vol. 136; p. 448.
- Cement post. C. Hornshaw. No. 883,022; Mar. 24; Sp. p. 5031; Dr. p. 1070; Gaz. vol. 133; p. 923.
- Cement-post fastener. C. B. Ingraham and A. L. Moser. No. 893,734; July 21; Sp. p. 2834; Dr. p. 582; Gaz. vol. 135; p. 504.
- Cement-spreading machine. I. Hewitt. No. 893,168; July 14; Sp. p. 1587; Dr. p. 336; Gaz. vol. 135; p. 289.
- Cement-tie mold. R. A. Smith. No. 885,539; Apr. 21; Sp. p. 3852; Dr. p. 805; Gaz. vol. 133; p. 1859.
- Cement-treating apparatus. O. Gerlach. No. 894,825; Aug. 4; Sp. p. 50; Dr. pp. 10-11; Gaz. vol. 135; p. 909.
- Cement, Treatment of blast-furnace slag for production of hydraulic. B. Grad. No. 905,813; Dec. 1; Sp. p. 1377; Gaz. vol. 137; p. 1210.
- Cement-wall mold. J. W. Alexander. No. 894,177; July 28; Sp. p. 3765; Dr. p. 780; Gaz. vol. 135; p. 670.
- Cements, &c., Making hydraulic. W. H. Harding. No. 908,092; Dec. 29; Sp. p. 5897; Gaz. vol. 137; p. 2072.
- Cements, &c., Making hydraulic. W. H. Harding. No. 908,093; Dec. 29; Sp. p. 5904; Gaz. vol. 137; p. 2073.
- Cements, &c., Making hydraulic. W. H. Harding. No. 908,094; Dec. 29; Sp. p. 5911; Gaz. vol. 137; p. 2073.
- Cementing and snipping machine. Rotary. H. I. Illingworth. No. 878,959; Feb. 11; Sp. p. 2211; Dr. pp. 462-3; Gaz. vol. 132; p. 1231.
- Cementing apparatus. C. W. Phipps and W. J. Steele. No. 885,862; Apr. 28; Sp. p. 4514; Dr. pp. 947-8; Gaz. vol. 133; p. 1994.
- Cementing-machine. W. A. Knipe. No. 882,251; Mar. 17; Sp. p. 3529; Dr. p. 748; Gaz. vol. 133; p. 637.
- Cementing-machines, Apparatus for feeding soles to. G. R. Cheesman. No. 898,721; Sept. 15; Sp. p. 2970; Dr. pp. 636-7; Gaz. vol. 136; p. 541.
- Cementing material and making same. T. W. Cappon. No. 886,579; May 5; Sp. p. 463; Gaz. vol. 134; p. 85.
- Cementitious articles, Mold for making. D. A. Keogan. No. 884,931; Apr. 14; Sp. p. 2583; Dr. p. 544; Gaz. vol. 133; p. 1631.
- Cementitious bodies, Metallic reinforcing structure for. E. F. Crane. No. 879,444; Feb. 18; Sp. p. 3185; Dr. p. 664; Gaz. vol. 132; p. 1429.
- Cementitious material. H. S. Spackman and E. W. Lazell. No. 903,019; Nov. 3; Sp. p. 984; Gaz. vol. 137; p. 162.
- Cementitious material. H. S. Spackman and E. W. Lazell. No. 903,020; Nov. 3; Sp. p. 986; Gaz. vol. 137; p. 162.
- Cementitious material and preparation thereof. H. S. Spackman and E. W. Lazell. No. 903,018; Nov. 3; Sp. p. 978; Gaz. vol. 137; p. 162.
- Cementitious material, Apparatus for molding articles from. A. Zuberbuhler. No. 887,565; May 12; Sp. p. 2518; Dr. pp. 530-1; Gaz. vol. 134; p. 434.
- Centering device. L. J. Jones. No. 902,738; Nov. 3; Sp. p. 408; Gaz. vol. 137; p. 70.
- Centerpiece for dining-tables, Rotary. K. Weeks. No. 893,210; July 14; Sp. p. 1666; Dr. p. 352; Gaz. vol. 135; p. 301.
- Central-buffer claw-coupling. L. Sr. and L. Scheib, Jr. No. 899,565; Sept. 29; Sp. p. 4593; Dr. p. 986; Gaz. vol. 136; p. 879.
- Centrifugal block-machine. M. Nashold. No. 900,414; Oct. 6; Sp. p. 720; Dr. p. 150; Gaz. vol. 136; p. 1186.
- Centrifugal bowls, Liner for. F. Ljungström. No. 892,999; July 14; Sp. p. 1254; Dr. p. 263; Gaz. vol. 135; p. 234.
- Centrifugal machine. L. Fuchs. No. 877,991; Feb. 4; Sp. p. 188; Dr. p. 42; Gaz. vol. 132; p. 880.
- Centrifugal machine. W. L. D'Olier. No. 879,130; Feb. 11; Sp. p. 2548; Dr. p. 530; Gaz. vol. 132; p. 1284.
- Centrifugal machine. C. Duemer. No. 883,320; May 19; Sp. p. 3965; Dr. p. 835; Gaz. vol. 134; p. 708.
- Centrifugal machine. B. Ljungström. No. 891,271; June 23; Sp. p. 4219; Dr. p. 923; Gaz. vol. 134; p. 1825.
- Centrifugal machine. B. Ljungström. No. 891,845; June 30; Sp. p. 5425; Dr. p. 1173; Gaz. vol. 134; p. 2047.
- Centrifugal machine. A. J. Ericsson. No. 900,089; Oct. 6; Sp. p. 35; Dr. p. 6; Gaz. vol. 136; p. 1080.
- Centrifugal machine. C. D. Ehret. No. 901,329; Oct. 20; Sp. p. 2605; Dr. p. 536; Gaz. vol. 136; p. 1544.
- Centrifugal machine for drying. A. J. Ericsson. No. 905,860; Dec. 8; Sp. p. 1484; Gaz. vol. 137; p. 1256.
- Centrifugal machines, Apparatus for driving. W. A. Macfarlane. No. 876,368; Jan. 14; Sp. p. 1352; Dr. pp. 294-5; Gaz. vol. 132; p. 256.
- Centrifugal machines, Journal-support for. K. K. McLeod. No. 879,115; Feb. 11; Sp. p. 2536; Dr. p. 525; Gaz. vol. 132; p. 1279.
- Centrifugal mill. H. Besser. No. 876,765; Jan. 14; Sp. p. 2196; Dr. pp. 482-3; Gaz. vol. 132; p. 390.
- Centrifugal mill. A. Raymond. No. 897,400; Sept. 1; Sp. p. 329; Dr. pp. 70-1; Gaz. vol. 136; p. 50.
- Centrifugal separator. F. F. Peck. No. 887,841; May 19; Sp. p. 3070; Dr. p. 645; Gaz. vol. 134; p. 554.
- Centrifugal separator. E. A. Forsberg. No. 892,513; July 7; Sp. p. 245; Dr. p. 51; Gaz. vol. 135; p. 45.
- Centrifugal separators, Flexible neck-bearing for. C. A. Edlund. No. 902,282; Oct. 27; Sp. p. 4621; Dr. p. 939; Gaz. vol. 136; p. 1887.
- Ceramic mass and manufacturing pottery. Producing a new. H. Eisenlohr. No. 901,599; Oct. 20; Sp. p. 3210; Gaz. vol. 136; p. 1636.
- Cereal cake or body. H. A. Lauhoff. No. 903,586; Nov. 10; Sp. p. 2118; Gaz. vol. 137; p. 376.
- Certificate, Validation-. J. H. McCameron. No. 894,895; Aug. 4; Sp. p. 200; Dr. p. 44; Gaz. vol. 135; p. 932.
- Cesspool. G. W. Schodde. No. 889,051; May 26; Sp. p. 5483; Dr. p. 1166; Gaz. vol. 134; p. 980.
- Cesspool and rain-spout connection, Combined. W. A. Harnett. No. 890,276; June 9; Sp. p. 2203; Dr. p. 484; Gaz. vol. 134; p. 1436.
- Cesspool, drain, and distributor. S. B. Goff. No. 889,599; June 2; Sp. p. 808; Dr. p. 184; Gaz. vol. 134; p. 1188.
- Chaff-separator. E. G. Clymans and M. A. Flautt. No. 901,883; Oct. 20; Sp. p. 3791; Dr. p. 771; Gaz. vol. 136; p. 1728.
- Chain. H. B. Newhall. No. 878,989; Feb. 11; Sp. p. 2269; Dr. p. 473; Gaz. vol. 132; p. 1240.
- Chain. H. B. Newhall. No. 878,990; Feb. 11; Sp. p. 2271; Dr. p. 474; Gaz. vol. 132; p. 1241.
- Chain. J. F. Wagner. No. 886,904; May 5; Sp. p. 1139; Dr. p. 239; Gaz. vol. 134; p. 187.
- Chain. H. S. Atkinson. No. 889,170; May 26; Sp. p. 5752; Dr. p. 1217; Gaz. vol. 134; p. 1019.
- Chain. J. Sevcik. No. 892,965; July 7; Sp. p. 1152; Dr. p. 243; Gaz. vol. 135; p. 194.
- Chain. J. M. Dodge. No. 901,789; Oct. 20; Sp. p. 3627; Dr. p. 734; Gaz. vol. 136; p. 1699.
- Chain. J. V. Costello. No. 904,846; Nov. 24; Sp. p. 4771; Gaz. vol. 137; p. 856.
- Chain. S. B. Minnich. No. 907,080; Dec. 15; Sp. p. 3768; Gaz. vol. 137; p. 1671.
- Chain. C. O. Wyman. No. 907,548; Dec. 22; Sp. p. 4729; Gaz. vol. 137; p. 1864.
- Chain and bead stock, Jeweler's. J. Costello. No. 878,122; Feb. 4; Sp. p. 459; Dr. p. 97; Gaz. vol. 132; p. 923.
- Chain, Belt-. S. F. Clouser. No. 893,607; July 21; Sp. p. 2503; Dr. p. 521; Gaz. vol. 135; p. 461.
- Chain-connecting link. S. Nelsen. No. 894,223; July 28; Sp. p. 3861; Dr. p. 799; Gaz. vol. 135; p. 685.
- Chain, Conveyor-. J. T. Nicholson. No. 886,065; Apr. 28; Sp. p. 4946; Dr. p. 1039; Gaz. vol. 133; p. 2061.
- Chain, Detachable. W. Hay. No. 893,240; July 14; Sp. p. 1721; Dr. p. 363; Gaz. vol. 135; p. 311.
- Chain, Door-. J. Kleidmann. No. 878,294; Feb. 4; Sp. p. 823; Dr. p. 164; Gaz. vol. 132; p. 981.
- Chain, Drive-. C. G. A. Schmidt, Jr. No. 881,493; Mar. 10; Sp. p. 1998; Dr. p. 436; Gaz. vol. 133; p. 263.
- Chain, Drive-. C. G. A. Schmidt, Jr. No. 891,189; June 16; Sp. p. 4028; Dr. p. 882; Gaz. vol. 134; p. 1765.
- Chain, Drive-. W. M. Butler and W. J. Belcher. No. 893,779; July 21; Sp. p. 2926; Dr. p. 599; Gaz. vol. 135; p. 519.
- Chain, Drive-. W. M. Butler and W. J. Belcher. No. 893,780; July 21; Sp. p. 2927; Dr. p. 599; Gaz. vol. 135; p. 519.
- Chain, Drive-. S. F. Clouser. No. 895,727; Aug. 11; Sp. p. 1910; Dr. p. 405; Gaz. vol. 135; p. 1233.
- Chain, Drive-. E. F. Morse. (Reissue.) No. 12,844; Aug. 18; Sp. p. 3813; Dr. pp. 824-5; Gaz. vol. 135; p. 1566.
- Chain, Drive-. W. F. Brown. No. 902,205; Oct. 27; Sp. p. 4461; Dr. p. 902; Gaz. vol. 136; p. 1862.
- Chain-drive, Flexibly-intermittent. I. W. Marshall. No. 897,756; Sept. 1; Sp. p. 1034; Dr. pp. 220-1; Gaz. vol. 136; p. 168.
- Chain-fastening. E. A. Cox. No. 906,616; Dec. 15; Sp. p. 2897; Gaz. vol. 137; p. 1524.
- Chain, Friction drive-. E. J. Conklin. No. 893,787; July 21; Sp. p. 2939; Dr. p. 601; Gaz. vol. 135; p. 521.
- Chain, Friction drive-. W. J. Belcher and W. M. Butler. No. 897,515; Sept. 1; Sp. p. 566; Dr. p. 118; Gaz. vol. 136; p. 90.
- Chain-galvanizing machine. E. C. Bull. No. 882,776; Mar. 24; Sp. p. 4533; Dr. pp. 967-8; Gaz. vol. 133; p. 842.
- Chain guard, Watch and key. M. Richmond. No. 897,405; Sept. 1; Sp. p. 346; Dr. p. 73; Gaz. vol. 136; p. 53.
- Chain-link. G. G. Howe. No. 882,317; Mar. 17; Sp. p. 3663; Dr. p. 777; Gaz. vol. 133; p. 660.
- Chain-link. T. J. Plunkett and W. Silvers. No. 884,415; Apr. 14; Sp. p. 1506; Dr. p. 323; Gaz. vol. 133; p. 1463.
- Chain-link blanks, &c., Apparatus for carrying and heating. P. H. Standish. No. 884,427; Apr. 14; Sp. p. 1525; Dr. p. 327; Gaz. vol. 133; p. 1467.
- Chain-link-uniting machine. E. Childs. No. 893,226; July 14; Sp. p. 1694; Dr. p. 358; Gaz. vol. 135; p. 306.
- Chain, Linked. A. Speidel. No. 896,865; Aug. 25; Sp. p. 4182; Dr. p. 896; Gaz. vol. 135; p. 1646.
- Chain, Log-conveyor. J. Schilleman. No. 885,959; Apr. 28; Sp. p. 4731; Dr. p. 994; Gaz. vol. 133; p. 2028.
- Chain-machine. F. E. Vandercook. No. 889,415; June 2; Sp. p. 449; Dr. pp. 106-8; Gaz. vol. 134; p. 1130.
- Chain wrench. F. W. Trabold. No. 891,016; June 16; Sp. p. 3723; Dr. p. 813; Gaz. vol. 134; p. 1711.
- Chain wrench. A. M. Tilton. No. 902,025; Oct. 27; Sp. p. 4108; Dr. p. 832; Gaz. vol. 136; p. 1805.
- Chains, Die for making weldless-link. C. A. Lewis. No. 895,649; Aug. 11; Sp. p. 1737; Dr. p. 368; Gaz. vol. 135; p. 1206.
- Chains, Making. M. Fessler. No. 876,792; Jan. 14; Sp. p. 2242; Gaz. vol. 132; p. 398.
- Chains, Shoe for motion-transmission. R. D. Hunt. No. 887,396; May 12; Sp. p. 2190; Dr. p. 458; Gaz. vol. 134; p. 378.
- Chair: See Adjustable chair; Assembly-chair; Barber's chair; Beach-chair; Collapsible chair; Commode-chair; Convertible chair; Dental chair; Douche-chair; Extension-chair; Folding chair; Folding and adjustable chair; Knockdown chair; Mechanical chair; Opera-chair; Rail-chair; Rail-joint chair; Railway-rail chair; Reclining-chair; Revolving chair; Rocking-chair; Sectional chair; Sewing-chair; Specialist's chair; Swing-seat chair; Take-down chair; Window-chair.
- Chair. J. E. Baker. No. 878,267; Feb. 4; Sp. p. 770; Dr. p. 154; Gaz. vol. 132; p. 972.
- Chair. A. G. Eyles. No. 880,206; Feb. 25; Sp. p. 4781; Dr. pp. 1011-12; Gaz. vol. 132; p. 1711.
- Chair. J. H. Brownell. No. 883,446; Mar. 31; Sp. p. 5928; Dr. p. 1265; Gaz. vol. 133; p. 1093.

Alphabetical list of inventions—Continued.

- Chair. C. W. Fischer, C. Zimmerman, and E. C. Walker. No. 885,843; Apr. 28; Sp. p. 4479; Dr. p. 940; Gaz. vol. 133; p. 1988.
 Chair. A. Wanner, Jr. No. 893,679; July 21; Sp. p. 2640; Dr. p. 553; Gaz. vol. 135; p. 483.
 Chair. O. L. Ostendorf. No. 900,301; Oct. 6; Sp. p. 487; Dr. p. 102; Gaz. vol. 136; p. 1149.
 Chair. A. G. Eyles. No. 901,285; Oct. 13; Sp. p. 2512; Dr. p. 515; Gaz. vol. 136; p. 1495.
 Chair. D. Schustek. No. 903,790; Nov. 10; Sp. p. 2514; Gaz. vol. 137; p. 459.
 Chair and cabinet, Combined. C. J. Vlasak. No. 879,803; Feb. 18; Sp. p. 3914; Dr. p. 820; Gaz. vol. 132; p. 1546.
 Chair and couch, Combined. L. A. Erickson. No. 891,332; June 23; Sp. p. 4361; Dr. p. 950; Gaz. vol. 134; p. 1846.
 Chair and fan attachment, Rocking-. J. Gavlak. No. 904,947; Nov. 24; Sp. p. 4981; Gaz. vol. 137; p. 888.
 Chair and table, Combined. J. S. Bryan. No. 891,141; June 16; Sp. p. 3933; Dr. p. 861; Gaz. vol. 134; p. 1741.
 Chair-arm-brace cutter. W. Kraedemann. No. 903,990; Nov. 17; Sp. p. 2951; Gaz. vol. 137; p. 539.
 Chair attachment. G. W. Haas. No. 882,248; Mar. 17; Sp. p. 3519; Dr. p. 747; Gaz. vol. 133; p. 636.
 Chair attachment. I. W. McClanahan. No. 883,330; Mar. 31; Sp. p. 5637; Dr. p. 1207; Gaz. vol. 133; p. 1054.
 Chair attachment. H. L. Broad and F. H. Orcutt. No. 901,063; Oct. 13; Sp. p. 2095; Dr. p. 426; Gaz. vol. 136; p. 1425.
 Chair attachment, Rocking-. M. C. Clemons. No. 888,224; May 19; Sp. p. 3790; Dr. p. 796; Gaz. vol. 134; p. 678.
 Chair attachment, Rocking-. M. C. Clemons. No. 888,387; May 19; Sp. p. 4101; Dr. pp. 865-6; Gaz. vol. 134; p. 730.
 Chair automatic fan attachment, Rocking-. H. A. Keck. No. 894,012; July 21; Sp. p. 3406; Dr. p. 697; Gaz. vol. 135; p. 595.
 Chair-back adjustment. J. Salomon. No. 901,559; Oct. 20; Sp. p. 3134; Dr. p. 640; Gaz. vol. 136; p. 1623.
 Chair-bed, couch, stretcher, &c. H. P. Clemetson. No. 879,442; Feb. 18; Sp. p. 3182; Dr. p. 662; Gaz. vol. 132; p. 1428.
 Chair-bottom clip. J. P. Williams. No. 900,247; Oct. 6; Sp. p. 357; Dr. p. 74; Gaz. vol. 136; p. 1131.
 Chair-canopy. T. Morton. No. 900,572; Oct. 6; Sp. p. 1075; Dr. p. 220; Gaz. vol. 136; p. 1237.
 Chair, Child's. I. Unger. (Reissue.) No. 12,879; Nov. 10; Sp. p. 2599; Gaz. vol. 137; p. 454.
 Chair-covering, Barber's-. O. H. Willard. No. 899,853; Sept. 29; Sp. p. 5211; Dr. p. 1115; Gaz. vol. 136; p. 974.
 Chair desk attachment. F. James. No. 889,526; June 2; Sp. p. 674; Dr. p. 155; Gaz. vol. 134; p. 1165.
 Chair-display rack. C. G. Finney and R. E. Harper. No. 905,163; Dec. 1; Sp. p. 80; Gaz. vol. 137; p. 996.
 Chair-elevator, Hydraulic. J. A., and J. P. Barker. No. 885,564; Apr. 21; Sp. p. 3908; Dr. pp. 816-17; Gaz. vol. 133; p. 1867.
 Chair fan attachment. C. H. Towers. No. 905,482; Dec. 1; Sp. p. 752; Gaz. vol. 137; p. 1104.
 Chair fan attachment, Rocking-. W. Scheurer. No. 884,212; Apr. 7; Sp. p. 1128; Dr. p. 236; Gaz. vol. 133; p. 1369.
 Chair head-rest. S. Wheeler. No. 886,102; Apr. 28; Sp. p. 5015; Dr. p. 1055; Gaz. vol. 133; p. 2073.
 Chair head-rest. F. Ritter. No. 893,016; July 14; Sp. p. 1283; Dr. p. 270; Gaz. vol. 135; p. 239.
 Chair-iron. F. Chichester. No. 876,525; Jan. 14; Sp. p. 1711; Dr. pp. 371-2; Gaz. vol. 132; p. 310.
 Chair-iron. H. W. Bolens. No. 891,222; June 16; Sp. p. 4113; Dr. p. 901; Gaz. vol. 134; p. 1777.
 Chair-leg attachment. C. Lee. No. 887,663; May 12; Sp. p. 2698; Dr. p. 570; Gaz. vol. 134; p. 465.
 Chair-lock. G. E. Searing. No. 901,561; Oct. 20; Sp. p. 3136; Dr. p. 641; Gaz. vol. 136; p. 1624.
 Chair or seat. H. W. Moore. No. 877,216; Jan. 21; Sp. p. 3174; Dr. p. 688; Gaz. vol. 132; p. 552.
 Chair or swing seat. L. C. Bullock, Jr. No. 901,321; Oct. 20; Sp. p. 2586; Dr. p. 532; Gaz. vol. 136; p. 1541.
 Chair-roller. W. M. Archibald. No. 879,351; Feb. 18; Sp. p. 2970; Dr. p. 620; Gaz. vol. 132; p. 1398.
 Chair-seat. E. A. Levick. No. 894,020; July 21; Sp. p. 3438; Dr. p. 703; Gaz. vol. 135; p. 598.
 Chair-seat. C. H. Lenhart. No. 899,745; Sept. 29; Sp. p. 4960; Dr. p. 1063; Gaz. vol. 136; p. 937.
 Chair-seat. A. H. Barber. No. 905,274; Dec. 1; Sp. p. 295; Gaz. vol. 137; p. 1034.
 Chair-seat-making machine. L. G. McKnight. No. 886,721; May 5; Sp. p. 790; Dr. p. 162; Gaz. vol. 134; p. 132.
 Chairs and the like, Attachment for barbers'. J. Mentz. No. 905,447; Dec. 1; Sp. p. 678; Gaz. vol. 137; p. 1093.
 Chairs, Mirror attachment for. C. I. Thompson. No. 878,255; Feb. 4; Sp. p. 744; Dr. p. 150; Gaz. vol. 132; p. 963.
 Chairs, Reclining attachment for. F. E. Barnicle. No. 900,077; Oct. 6; Sp. p. 9; Dr. p. 2; Gaz. vol. 136; p. 1676.
 Chalk and eraser holder. J. I. McAllister. No. 905,450; Dec. 1; Sp. p. 682; Gaz. vol. 137; p. 1093.
 Chalk-holder. H. T. McCune. No. 902,435; Oct. 27; Sp. p. 4960; Dr. p. 1002; Gaz. vol. 136; p. 1938.
 Chalk-sharpener and paper-weight, Combined. J. A. Lindeman. No. 876,204; Jan. 7; Sp. p. 1004; Dr. p. 218; Gaz. vol. 132; p. 171.
 Chamber, Extensible. P. G. Hubert. No. 882,760; Mar. 24; Sp. p. 4510; Dr. p. 962; Gaz. vol. 133; p. 837.
 Chamber-pot. S. D. Allen. No. 904,293; Nov. 17; Sp. p. 3616; Gaz. vol. 137; p. 644.
 Chamfer-gage. A. E. Naldrett. No. 904,003; Nov. 17; Sp. p. 2979; Gaz. vol. 137; p. 544.
 Chandelier. W. T. H. Pauley. No. 883,045; Mar. 24; Sp. p. 5072; Dr. p. 1082; Gaz. vol. 133; p. 930.
 Chandelier, Extensible. W. I. Wilson. No. 888,376; May 19; Sp. p. 4082; Dr. p. 861; Gaz. vol. 134; p. 726.
 Chandelier-hanging device. O. Peterson. No. 898,391; Sept. 8; Sp. p. 2310; Dr. p. 491; Gaz. vol. 136; p. 402.
 Change-delivering means. E. B. Gallaher. No. 904,475; Nov. 17; Sp. p. 3971; Gaz. vol. 137; p. 704.
 Change-handler. A. I. Tope. No. 906,580; Dec. 15; Sp. p. 2838; Gaz. vol. 137; p. 1514.
 Change-maker. E. R. Gill. No. 881,854; Mar. 10; Sp. p. 2699; Dr. pp. 578-82; Gaz. vol. 133; p. 480.
 Change-maker, Automatic. W. W. Roblyer. No. 899,704; Sept. 29; Sp. p. 4862; Dr. pp. 1043-4; Gaz. vol. 136; p. 921.
 Change-making machine. I. Rosenfeld. No. 881,443; Mar. 10; Sp. p. 1895; Dr. pp. 412-13; Gaz. vol. 133; p. 346.
 Change-making machine. T. I. Potter. No. 886,307; Apr. 28; Sp. p. 5402; Dr. p. 1134; Gaz. vol. 133; p. 2141.
 Change-making machine. J. T. Garton. No. 891,243; June 23; Sp. p. 4167; Dr. pp. 912-13; Gaz. vol. 134; p. 1816.
 Change-receiver. H. Cowen and J. Butt. No. 893,037; July 14; Sp. p. 1366; Dr. p. 287; Gaz. vol. 135; p. 253.
 Channel-flap-turning machine. C. P. Stanbon. No. 898,016; Sept. 8; Sp. p. 1604; Dr. p. 342; Gaz. vol. 136; p. 284.
 Channels, Apparatus for removing mud from. J. P. Ermeling. No. 876,790; Jan. 14; Sp. p. 2239; Dr. p. 492; Gaz. vol. 132; p. 397.
 Channeler. C. A. Dawley. No. 876,863; Jan. 14; Sp. p. 2381; Dr. p. 519; Gaz. vol. 132; p. 420.
 Channeling and grooving machine. C. L. Eaton. No. 885,232; Apr. 21; Sp. p. 3229; Dr. p. 674; Gaz. vol. 133; p. 1762.
 Channeling-machine. H. V. Haight. No. 876,542; Jan. 14; Sp. p. 1747; Dr. pp. 379-80; Gaz. vol. 132; p. 316.
 Channeling-machine. E. A. Webster. No. 897,438; Sept. 1; Sp. p. 409; Dr. p. 87; Gaz. vol. 136; p. 64.
 Channeling-tool. H. L. Rice. No. 884,043; Apr. 7; Sp. p. 760; Dr. p. 158; Gaz. vol. 133; p. 1314.
 Channeling-tool. J. C. Mercer. No. 895,387; Aug. 4; Sp. p. 1216; Dr. p. 256; Gaz. vol. 135; p. 1097.
 Chaplet and shrine of the holy rosary. W. Hendrick. No. 899,977; Sept. 29; Sp. p. 5456; Dr. pp. 1163-4; Gaz. vol. 136; p. 1012.
 Charcoal-manufacturing apparatus. C. J. T. Burey. No. 883,781; Apr. 7; Sp. p. 197; Dr. pp. 36-7; Gaz. vol. 133; p. 1225.
 Charging-machine. E. Norton. No. 905,214; Dec. 1; Sp. p. 186; Gaz. vol. 137; p. 1014.
 Chart, Adjustable. W. Horeischi. No. 882,111; Mar. 17; Sp. p. 3261; Dr. p. 693; Gaz. vol. 133; p. 593.
 Chart for garment-patterns, Guide-. A. A. Maxwell. No. 885,167; Apr. 21; Sp. p. 3090; Dr. p. 650; Gaz. vol. 133; p. 1740.
 Chart-holder. F. W. Boyer. No. 876,141; Jan. 7; Sp. p. 892; Dr. p. 192; Gaz. vol. 132; p. 151.
 Chart, School-room. A. E. Osborne. No. 886,630; May 5; Sp. p. 567; Dr. pp. 119-20; Gaz. vol. 134; p. 100.
 Chase. J. E. McClellan. No. 898,591; Sept. 15; Sp. p. 2715; Dr. p. 581; Gaz. vol. 136; p. 499.
 Check. J. C. Bell. No. 883,380; Mar. 31; Sp. p. 5782; Dr. p. 1234; Gaz. vol. 133; p. 1070.
 Check. E. Kimber. No. 894,664; July 28; Sp. p. 4761; Dr. p. 988; Gaz. vol. 135; p. 830.
 Check. R. M. Scottford. No. 901,838; Oct. 20; Sp. p. 3710; Dr. p. 753; Gaz. vol. 136; p. 1713.
 Check and holder, Transportation-. W. H. Carroll. No. 898,630; Sept. 15; Sp. p. 2802; Dr. p. 599; Gaz. vol. 136; p. 512.
 Check, Baggage-. G. W. Conrad and W. J. Pittall. No. 891,593; June 23; Sp. p. 4886; Dr. pp. 1052-3; Gaz. vol. 134; p. 1930.
 Check-bit, Safety. C. H. Lawton. No. 892,748; July 7; Sp. p. 703; Dr. pp. 148-9; Gaz. vol. 135; p. 121.
 Check-controlled apparatus. F. Chrysler. No. 887,066; May 12; Sp. p. 1453; Dr. p. 309; Gaz. vol. 134; p. 268.
 Check-controlled mechanism. T. V. Skelly. No. 894,803; July 28; Sp. p. 5016; Dr. p. 1046; Gaz. vol. 135; p. 875.
 Check delivering, registering, and alarm device. J. W. Jones. No. 895,183; Aug. 4; Sp. p. 811; Dr. pp. 169-70; Gaz. vol. 135; p. 1029.
 Check-draft, Universal. C. M. Lyman. No. 880,150; Feb. 25; Sp. p. 4669; Dr. p. 984; Gaz. vol. 132; p. 1692.
 Check, Excess-baggage coupon-. F. H. Crump. No. 884,266; Apr. 7; Sp. p. 1222; Dr. p. 257; Gaz. vol. 133; p. 1386.
 Check-fastening device. R. J. Cox. No. 891,149; June 16; Sp. p. 3945; Dr. p. 865; Gaz. vol. 134; p. 1752.
 Check-form. W. H. Bertram. No. 882,485; Mar. 17; Sp. p. 3947; Dr. p. 844; Gaz. vol. 133; p. 714.
 Check holder and cutter, Cash-. A. D. Joslin. No. 887,816; May 19; Sp. p. 3013; Dr. p. 634; Gaz. vol. 134; p. 546.
 Check-holding device. F. P. Sweeney. No. 876,745; Jan. 14; Sp. p. 2165; Dr. p. 475; Gaz. vol. 132; p. 383.
 Check-hook. E. L. Burk. No. 878,865; Feb. 11; Sp. p. 2036; Dr. p. 421; Gaz. vol. 132; p. 1202.
 Check-hook. O. C. Davis. No. 898,443; Sept. 15; Sp. p. 2434; Dr. p. 521; Gaz. vol. 136; p. 452.
 Check-mold. C. E. Herd. No. 903,718; Nov. 10; Sp. p. 2367; Gaz. vol. 137; p. 416.
 Check-operated machine. F. R. Graeber, C. T. Entrikin, and G. W. Garman. No. 907,230; Dec. 22; Sp. p. 4108; Gaz. vol. 137; p. 1757.
 Check or money-order. J. C. Bell. No. 883,381; Mar. 31; Sp. p. 5783; Dr. p. 1234; Gaz. vol. 133; p. 1071.
 Check-printer. F. Mutschler. No. 907,854; Dec. 29; Sp. p. 5402; Gaz. vol. 137; p. 1994.
 Check-protector. N. B. Rice. No. 878,021; Feb. 4; Sp. p. 267; Dr. pp. 57-8; Gaz. vol. 132; p. 892.
 Check-protector. D. H. Cohen. No. 878,349; Feb. 4; Sp. p. 927; Dr. p. 185; Gaz. vol. 132; p. 999.
 Check-register. D. W. Morse. No. 886,839; May 5; Sp. p. 1019; Dr. p. 214; Gaz. vol. 134; p. 167.
 Check-row attachment. W. B. Hampton. No. 892,953; July 7; Sp. p. 1132; Dr. pp. 237-8; Gaz. vol. 135; p. 189.
 Check, Sales-. G. Heinersdorf. No. 886,976; May 5; Sp. p. 1269; Dr. p. 268; Gaz. vol. 134; p. 211.
 Checking device for lunch-counters, &c. J. C. Maloney. No. 882,399; Mar. 17; Sp. p. 3799; Dr. p. 811; Gaz. vol. 133; p. 686.

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- Checkrein. J. R. Griffith. No. 893,161; July 14; Sp. p. 1578; Dr. p. 334; Gaz. vol. 135; p. 287.
 Checkrein. B. J. Grant. No. 897,977; Sept. 8; Sp. p. 1530; Dr. p. 325; Gaz. vol. 136; p. 271.
 Checkrein, Automatic. E. M. Martin. No. 906,045; Dec. 8; Sp. p. 1830; Gaz. vol. 137; p. 1314.
 Checkrein-hook. J. B. Rotz. No. 900,425; Oct. 6; Sp. p. 737; Dr. p. 154; Gaz. vol. 136; p. 1190.
 Checkrein-releasing device. S. P. Foster. No. 897,973; Sept. 8; Sp. p. 1525; Dr. p. 324; Gaz. vol. 136; p. 270.
 Cheese-cover. F. A. Vogt. No. 897,684; Sept. 1; Sp. p. 896; Dr. p. 192; Gaz. vol. 136; p. 143.
 Cheese-cover and show-case. S. Ditson. No. 899,103; Sept. 22; Sp. p. 3674; Dr. p. 786; Gaz. vol. 136; p. 693.
 Cheese-cutter. A. A. Guldenarm. No. 877,642; Jan. 28; Sp. p. 4015; Dr. p. 867; Gaz. vol. 132; p. 740.
 Cheese-cutter. F. C. Osborn. No. 879,407; Feb. 13; Sp. p. 3112; Dr. p. 646; Gaz. vol. 132; p. 1417.
 Cheese-cutter. R. Flemming, Jr. No. 889,449; June 2; Sp. p. 516; Dr. p. 122; Gaz. vol. 134; p. 1141.
 Cheese-cutter. J. Grouan. No. 906,220; Dec. 8; Sp. p. 2174; Gaz. vol. 137; p. 1372.
 Cheese-cutter, Computing. H. F. Dunn. No. 876,045; Jan. 7; Sp. p. 693; Dr. p. 149; Gaz. vol. 132; p. 120.
 Cheese-cutter, Computing. J. W. Isler. No. 886,982; May 5; Sp. p. 1276; Dr. pp. 269-70; Gaz. vol. 134; p. 212.
 Cheese-cutter, Computing. J. H. Osborne. No. 894,527; July 28; Sp. p. 4453; Dr. p. 928; Gaz. vol. 135; p. 785.
 Cheese-cutters, Table for. T. V. Garlock. No. 884,810; Apr. 14; Sp. p. 2350; Dr. p. 494; Gaz. vol. 133; p. 1594.
 Cheese-mashing machine. E. Biggs. No. 889,572; June 2; Sp. p. 756; Dr. p. 174; Gaz. vol. 134; p. 1179.
 Cheese-press. E. L. McKinnon. No. 882,792; Mar. 24; Sp. p. 4560; Dr. pp. 973-4; Gaz. vol. 133; p. 847.
 Chemical action in gases, Effecting. D. R. Lovejoy. No. 904,070; Nov. 17; Sp. p. 3114; Gaz. vol. 137; p. 566.
 Chemical process. C. E. Pellew and D. W. Whipple. No. 884,756; Apr. 14; Sp. p. 2240; Gaz. vol. 133; p. 1576.
 Chemical product resembling celluloid and producing the same. F. Raschig. No. 900,204; Oct. 6; Sp. p. 278; Gaz. vol. 136; p. 1117.
 Chemical reaction between materials Obtaining a violent. C. G. P. de Laval. No. 885,766; Apr. 28; Sp. p. 4320; Dr. p. 906; Gaz. vol. 133; p. 1962.
 Chenille-spotting machine. L. O. Trivett and F. Randall. No. 900,616; Oct. 6; Sp. p. 1171; Dr. p. 239; Gaz. vol. 136; p. 1252.
 Cherry-pitter. A. G. Weinhardt. No. 886,906; May 5; Sp. p. 1142; Dr. p. 240; Gaz. vol. 134; p. 187.
 Cherry-pitting machine. J. W. Herbert. No. 883,881; Apr. 7; Sp. p. 429; Dr. p. 85; Gaz. vol. 133; p. 1259.
 Cherry-stemmer. R. G. Fontana. No. 883,708; Apr. 7; Sp. p. 65; Dr. p. 10; Gaz. vol. 133; p. 1203.
 Chest: See Tool-chest.
 Chest-protector. G. H. Ridlon. No. 876,237; Jan. 7; Sp. p. 1069; Dr. p. 232; Gaz. vol. 132; p. 181.
 Chicken-culture apparatus. V. C. Koons. No. 893,737; July 21; Sp. p. 2839; Dr. pp. 583-4; Gaz. vol. 135; p. 505.
 Chill-mold. E. A. Tverdahl. No. 882,507; Mar. 17; Sp. p. 3983; Dr. p. 851; Gaz. vol. 133; p. 721.
 Chimney. A. Mareks. No. 887,677; May 12; Sp. p. 2722; Dr. p. 575; Gaz. vol. 134; p. 469.
 Chimney. J. D. Barber. No. 902,706; Nov. 3; Sp. p. 349; Gaz. vol. 137; p. 59.
 Chimney. J. V. Boland. No. 907,101; Dec. 15; Sp. p. 3802; Gaz. vol. 137; p. 1677.
 Chimney and chimney-flue. E. G. Leith. No. 893,528; July 14; Sp. p. 2308; Dr. p. 484; Gaz. vol. 135; p. 405.
 Chimney and smoke-stack. H. Corregan. No. 904,845; Nov. 24; Sp. p. 4769; Gaz. vol. 137; p. 855.
 Chimney-cap. W. Lincoln. No. 878,811; Feb. 11; Sp. p. 1936; Dr. p. 400; Gaz. vol. 132; p. 1184.
 Chimney-cap. J. O. Myhre. No. 897,643; Sept. 1; Sp. p. 813; Dr. p. 171; Gaz. vol. 136; p. 130.
 Chimney-cap, Adjustable. J. E. Giffin. No. 891,159; June 16; Sp. p. 3961; Dr. p. 869; Gaz. vol. 134; p. 1755.
 Chimney cap and ventilator. A. A. Schupinsky. No. 898,790; Sept. 15; Sp. p. 3100; Dr. p. 664; Gaz. vol. 136; p. 563.
 Chimney-cap fastening. E. J. Cochran. No. 885,321; Apr. 21; Sp. p. 3412; Dr. p. 713; Gaz. vol. 133; p. 1792.
 Chimney construction, Mold for tapering-. C. Stieler. No. 890,466; June 9; Sp. p. 2546; Dr. pp. 563-4; Gaz. vol. 134; p. 1496.
 Chimney-cowl. D. McLean. No. 888,728; May 26; Sp. p. 4317; Dr. p. 1027; Gaz. vol. 134; p. 875.
 Chimney-cowl. O. H. Rotermundt. No. 906,822; Dec. 15; Sp. p. 3290; Gaz. vol. 137; p. 1590.
 Chimney-flue clean-out. H. N. Holder. No. 906,427; Dec. 8; Sp. p. 2550; Gaz. vol. 137; p. 1439.
 Chimney or stack. O. T. Benson. No. 883,164; Mar. 31; Sp. p. 5322; Dr. p. 1135; Gaz. vol. 133; p. 999.
 Chimney-ventilator. A. Kric. No. 877,092; Jan. 21; Sp. p. 2896; Dr. p. 626; Gaz. vol. 132; p. 538.
 Chin-support. C. J. Lewis. No. 892,860; July 7; Sp. p. 937; Dr. p. 197; Gaz. vol. 135; p. 157.
 China-cleaning. J. Pass. No. 899,893; Sept. 29; Sp. p. 5275; Dr. p. 1128; Gaz. vol. 136; p. 986.
 Chisel. B. W. Howe. No. 903,933; Nov. 3; Sp. p. 1121; Gaz. vol. 137; p. 183.
 Chlorin, Dehydrating moist. E. A. Sperry. No. 905,602; Dec. 1; Sp. p. 986; Gaz. vol. 137; p. 1141.
 Chlorin from raw bromin, Removing. K. Kubierschky. No. 881,806; Mar. 10; Sp. p. 2604; Gaz. vol. 133; p. 464.
 Chocolate, Machine for molding. G. G. Lennig. No. 907,382; Dec. 22; Sp. p. 4398; Gaz. vol. 137; p. 1809.
 Chocolate-making machine. W. E. Murray. No. 882,646; Mar. 24; Sp. p. 4288; Dr. p. 909; Gaz. vol. 133; p. 801.
 Chocolate-warming table. J. R. Windsor. No. 882,040; Mar. 17; Sp. p. 3136; Dr. p. 665; Gaz. vol. 133; p. 569.
 Choke-coil. L. O. Langworthy. No. 886,824; May 5; Sp. p. 995; Dr. p. 209; Gaz. vol. 134; p. 163.
 Choke-coil for moving-pipe machines. H. J. Beck. No. 907,717; Dec. 29; Sp. p. 5135; Gaz. vol. 137; p. 1949.
 Chopper: See Beet-chopper; Cotton-chopper; Feed-chopper; Food-chopper.
 Christmas-tree holder. S. Peterson. No. 892,181; June 30; Sp. p. 6081; Dr. p. 1307; Gaz. vol. 134; p. 2157.
 Christmas-tree holder. E. G. Killerbrue. No. 893,247; July 14; Sp. p. 1737; Dr. p. 368; Gaz. vol. 135; p. 313.
 Christmas trees, etc., Stand for. E. E. Rice. No. 904,227; Nov. 17; Sp. p. 3466; Gaz. vol. 137; p. 622.
 Chromates, Making. W. T. Gibbs. No. 901,436; Oct. 20; Sp. p. 2865; Dr. p. 585; Gaz. vol. 136; p. 1583.
 Chromatope. S. A. Hunt. No. 885,928; Apr. 28; Sp. p. 4659; Dr. p. 981; Gaz. vol. 133; p. 2016.
 Chromium, Producing an electrolytic deposit of metallic. F. Salzer. No. 900,597; Oct. 6; Sp. p. 1119; Gaz. vol. 136; p. 1245.
 Chromoscope, Diffraction. F. E. Ives. No. 898,369; Sept. 8; Sp. p. 2276; Dr. p. 484; Gaz. vol. 136; p. 395.
 Cironograph. E. B. Merriam. No. 881,479; Mar. 10; Sp. p. 1975; Dr. p. 430; Gaz. vol. 133; p. 358.
 Chuck. N. A. Shigon. No. 876,244; Jan. 7; Sp. p. 1082; Dr. p. 236; Gaz. vol. 132; p. 184.
 Chuck. F. R. Brown. No. 877,046; Jan. 21; Sp. p. 2814; Dr. p. 608; Gaz. vol. 132; p. 524.
 Chuck. V. Mauss. No. 878,654; Feb. 11; Sp. p. 1640; Dr. p. 336; Gaz. vol. 132; p. 1134.
 Chuck. F. J. Tessmer. No. 879,212; Feb. 18; Sp. p. 2711; Dr. p. 565; Gaz. vol. 132; p. 1352.
 Chuck. V. J. Wahlstrom. No. 884,244; Apr. 7; Sp. p. 1185; Dr. p. 250; Gaz. vol. 133; p. 1379.
 Chuck. D. A. Moore. No. 885,946; Apr. 28; Sp. p. 4703; Dr. p. 989; Gaz. vol. 133; p. 2023.
 Chuck. C. H. Phillips. No. 890,574; June 9; Sp. p. 2760; Dr. p. 610; Gaz. vol. 134; p. 1532.
 Chuck. F. Müller. No. 890,786; June 16; Sp. p. 3250; Dr. p. 711; Gaz. vol. 134; p. 1636.
 Chuck. X. St. Pierre. No. 891,014; June 16; Sp. p. 3721; Dr. pp. 811-12; Gaz. vol. 134; p. 1711.
 Chuck. R. McCarty. No. 892,001; June 30; Sp. p. 5740; Dr. p. 1234; Gaz. vol. 134; p. 2098.
 Chuck. I. A. Weaver. No. 893,958; July 21; Sp. p. 3289; Dr. p. 676; Gaz. vol. 135; p. 577.
 Chuck. I. A. Weaver. No. 893,959; July 21; Sp. p. 3293; Dr. pp. 676-7; Gaz. vol. 135; p. 578.
 Chuck. I. A. Weaver. No. 893,960; July 21; Sp. p. 3297; Dr. p. 677; Gaz. vol. 135; p. 578.
 Chuck. F. Rahm. No. 896,663; Aug. 18; Sp. p. 3729; Dr. p. 803; Gaz. vol. 135; p. 1554.
 Chuck. P. A. Whitney. No. 902,191; Oct. 27; Sp. p. 4434; Dr. p. 897; Gaz. vol. 136; p. 1857.
 Chuck. D. A. Bruton. No. 904,679; Nov. 24; Sp. p. 4403; Gaz. vol. 137; p. 799.
 Chuck. W. B. Johnson. No. 906,029; Dec. 8; Sp. p. 1799; Gaz. vol. 137; p. 1309.
 Chuck. E. R. Sibert. No. 906,315; Dec. 8; Sp. p. 2355; Gaz. vol. 137; p. 1404.
 Chuck-actuating device. B. M. W. Hanson. No. 905,518; Dec. 1; Sp. p. 828; Gaz. vol. 137; p. 1115.
 Chuck, Balance-. J. A. Key and F. J. Tessmer. No. 906,895; Dec. 15; Sp. p. 3442; Gaz. vol. 137; p. 1613.
 Chuck, Centering-. R. Milne. No. 901,249; Oct. 13; Sp. p. 2416; Dr. p. 496; Gaz. vol. 136; p. 1482.
 Chuck, Drill-. G. R. Rich. No. 876,016; Jan. 7; Sp. p. 642; Dr. p. 137; Gaz. vol. 132; p. 111.
 Chuck, Drill-. H. L. Coit. No. 879,741; Feb. 18; Sp. p. 3807; Dr. p. 798; Gaz. vol. 132; p. 1526.
 Chuck, Drill-. D. J. O'Leary. No. 881,709; Mar. 10; Sp. p. 2430; Dr. p. 523; Gaz. vol. 133; p. 433.
 Chuck, Drill-. F. H. Spets. No. 885,392; Apr. 21; Sp. p. 3564; Dr. p. 746; Gaz. vol. 133; p. 1815.
 Chuck, Drill-. A. P. Morrow. No. 893,348; July 14; Sp. p. 1928; Dr. pp. 404-5; Gaz. vol. 135; p. 346.
 Chuck, Drill-. P. Lonergan. No. 895,381; Aug. 4; Sp. p. 1205; Dr. p. 253; Gaz. vol. 135; p. 1055.
 Chuck, Drill-. F. M. Ashley. No. 896,051; Aug. 11; Sp. p. 2542; Dr. p. 552; Gaz. vol. 135; p. 1336.
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 Chuck, Drill-. R. M. Russell. No. 906,938; Dec. 15; Sp. p. 3518; Gaz. vol. 137; p. 1627.
 Chuck, Drill-press. F. Schneider. No. 893,875; July 21; Sp. p. 3126; Dr. p. 642; Gaz. vol. 135; p. 550.
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 Chuck-operating means. J. Jecklin and C. W. Schreiber. No. 900,856; Oct. 13; Sp. p. 1670; Dr. p. 338; Gaz. vol. 136; p. 1358.
 Chuck, Planer-. L. H. Ginn. No. 882,943; Mar. 24; Sp. p. 4889; Dr. p. 1037; Gaz. vol. 133; p. 899.
 Chuck, Pneumatic. C. B. Delany. No. 895,438; Aug. 11; Sp. p. 1327; Dr. p. 279; Gaz. vol. 135; p. 1138.
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 Churn. A. A. Howell. No. 880,305; Feb. 25; Sp. p. 4984; Dr. pp. 1051-2; Gaz. vol. 132; p. 1745.
 Churn. H. W. Mabry. No. 881,251; Mar. 10; Sp. p. 1518; Dr. p. 326; Gaz. vol. 133; p. 286.
 Churn. H. James. No. 883,027; Mar. 24; Sp. p. 5037; Dr. p. 1073; Gaz. vol. 133; p. 925.
 Churn. F. E. Andrews. No. 884,452; Apr. 14; Sp. p. 1586; Dr. p. 342; Gaz. vol. 133; p. 1476.
 Churn. D. W. McNeel. No. 886,626; May 5; Sp. p. 560; Dr. p. 118; Gaz. vol. 134; p. 99.
 Churn. J. Moir. No. 886,836; May 5; Sp. p. 1017; Dr. p. 213; Gaz. vol. 134; p. 167.
 Churn. C. L. Heisler. No. 887,800; May 19; Sp. p. 2984; Dr. p. 627; Gaz. vol. 134; p. 541.
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 Churn. O. J. Neal. No. 890,165; June 9; Sp. p. 1947; Dr. p. 429; Gaz. vol. 134; p. 1400.
 Churn. D. R. Drummond. No. 890,345; June 9; Sp. p. 2333; Dr. pp. 514-15; Gaz. vol. 134; p. 1459.
 Churn. J. B. Davis and B. Copeland. No. 891,764; June 23; Sp. p. 5235; Dr. pp. 1134-5; Gaz. vol. 134; p. 1988.
 Churn. W. F. Templeton. No. 896,482; Aug. 18; Sp. p. 3397; Dr. p. 731; Gaz. vol. 135; p. 1499.
 Churn. P. B. Cupp and K. N. Everett. No. 897,065; Aug. 25; Sp. p. 4634; Dr. p. 986; Gaz. vol. 135; p. 1713.
 Churn. W. C. Pease. No. 897,481; Sept. 1; Sp. p. 487; Dr. p. 104; Gaz. vol. 136; p. 78.
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 Churn. I. C. Vankirk. No. 899,085; Sept. 22; Sp. p. 3632; Dr. p. 778; Gaz. vol. 136; p. 686.
 Churn. D. Hamilton. No. 901,808; Oct. 20; Sp. p. 3663; Dr. p. 742; Gaz. vol. 136; p. 1705.
 Churn. A. Barber. No. 903,042; Nov. 3; Sp. p. 1028; Gaz. vol. 137; p. 162.
 Churn. T. N. Brown. No. 904,935; Nov. 24; Sp. p. 4959; Gaz. vol. 137; p. 884.
 Churn. M. M. Appleman. No. 906,090; Dec. 8; Sp. p. 1921; Gaz. vol. 137; p. 1328.
 Churn. A. E. Cherry. No. 906,198; Dec. 8; Sp. p. 2127; Gaz. vol. 137; p. 1365.
 Churn. Aerating-. E. H. Burnes. No. 874,339; Feb. 4; Sp. p. 911; Dr. p. 182; Gaz. vol. 132; p. 996.
 Churn and butter-worker, Combination. A. S. Eastman. No. 881,781; Mar. 10; Sp. p. 2549; Dr. p. 548; Gaz. vol. 133; p. 455.
 Churn and butter-worker, Combined. G. J. Kaplan. No. 880,081; Feb. 25; Sp. p. 4534; Dr. p. 954; Gaz. vol. 132; p. 1670.
 Churn and butter-worker, Combined. O. Christensen and C. P. Sölbeck. No. 882,745; Mar. 24; Sp. p. 4487; Dr. p. 955; Gaz. vol. 133; p. 833.
 Churn and butter-worker, Combined. D. A. Sprague. No. 908,164; Dec. 29; Sp. p. 6055; Gaz. vol. 137; p. 2097.
 Churn and freezer. R. C. Lambie. No. 888,623; May 26; Sp. p. 4614; Dr. p. 979; Gaz. vol. 134; p. 842.
 Churn construction. C. H. Linney. No. 887,668; May 12; Sp. p. 2708; Dr. p. 573; Gaz. vol. 134; p. 466.
 Churn-dasher. E. A. Franklin. No. 889,921; June 9; Sp. p. 1442; Dr. p. 326; Gaz. vol. 134; p. 1317.
 Churn-dasher. T. S. Gill. No. 895,399; Aug. 4; Sp. p. 1235; Dr. p. 260; Gaz. vol. 135; p. 1101.
 Churn-dasher. L. A. Sprout. No. 900,441; Oct. 6; Sp. p. 780; Dr. p. 161; Gaz. vol. 136; p. 1195.
 Churn, Lever-power. W. J. Jones. No. 885,257; Apr. 21; Sp. p. 3275; Dr. p. 684; Gaz. vol. 133; p. 1770.
 Churn-motor. A. E. Linton. No. 889,854; June 2; Sp. p. 1289; Dr. p. 296; Gaz. vol. 134; p. 1269.
 Churn-operating mechanism. E. Riley. No. 889,337; June 2; Sp. p. 279; Dr. p. 68; Gaz. vol. 134; p. 1103.
 Churn-operating mechanism. R. E. Fleming. No. 898,207; Sept. 8; Sp. p. 1977; Dr. pp. 421-2; Gaz. vol. 136; p. 343.
 Churn, Rotary. S. A. Ekehorn. No. 891,470; June 23; Sp. p. 4627; Dr. p. 1005; Gaz. vol. 134; p. 1891.
 Churn, Rotary. S. J. Smith. No. 901,492; Oct. 20; Sp. p. 3005; Dr. p. 613; Gaz. vol. 136; p. 1601.
 Churns, Combined hand and foot motor for. D. P. Malone. No. 880,229; Feb. 25; Sp. p. 4840; Dr. p. 1023; Gaz. vol. 132; p. 1720.
 Chute. S. W. Brown. No. 888,386; May 19; Sp. p. 4098; Dr. p. 865; Gaz. vol. 134; p. 729.
 Chute. E. W. Ritter. No. 889,809; June 2; Sp. p. 1200; Dr. p. 277; Gaz. vol. 134; p. 1254.
 Chute. E. J. Cochran. No. 890,218; June 9; Sp. p. 2053; Dr. p. 451; Gaz. vol. 134; p. 1417.
 Chute, Adjustable. F. V. Hetzel and H. P. Cochran. No. 898,886; Sept. 15; Sp. p. 3277; Dr. p. 701; Gaz. vol. 136; p. 595.
 Chute and draft appliance, Straw-. F. A. Magwire. No. 889,027; May 26; Sp. p. 5442; Dr. p. 1157; Gaz. vol. 134; p. 972.
 Chute attachment for windows. C. R. Young. No. 882,605; Mar. 24; Sp. p. 4200; Dr. p. 890; Gaz. vol. 133; p. 787.
 Chute, Coal-. F. Leschinski. No. 889,023; May 26; Sp. p. 5434; Dr. p. 1155; Gaz. vol. 134; p. 970.
 Chute, Coal-. R. T. Greenleaf. No. 898,877; Sept. 15; Sp. p. 3430; Dr. pp. 736-7; Gaz. vol. 136; p. 625.
 Chute, Conveyor. J. Ream. No. 892,550; July 7; Sp. p. 303; Dr. p. 66; Gaz. vol. 135; p. 57.
 Chute, End-loading. G. Holmes. No. 893,626; July 21; Sp. p. 2538; Dr. pp. 529-30; Gaz. vol. 135; p. 467.
 Chute, Grain-. A. G. Young. No. 878,443; Feb. 4; Sp. p. 1092; Dr. p. 223; Gaz. vol. 132; p. 1028.
 Chute, Hog-. W. P. Allen. No. 903,157; Nov. 10; Sp. p. 1241; Gaz. vol. 137; p. 235.
 Chute, Ore-. J. Ross. No. 899,076; Sept. 22; Sp. p. 3620; Dr. p. 775; Gaz. vol. 136; p. 683.
 Chute, Portable stock-. A. Hopper. No. 880,665; Mar. 3; Sp. p. 352; Dr. pp. 77-8; Gaz. vol. 133; p. 62.
 Chute, Sidewalk coal-. T. F. Clark. No. 886,112; Apr. 28; Sp. p. 5033; Dr. p. 1058; Gaz. vol. 133; p. 2076.
 Chute, Stock-. C. W. Rosecrans. No. 890,180; June 9; Sp. p. 1981; Dr. p. 437; Gaz. vol. 134; p. 1405.
 Cider-press. O. G. Haley. No. 882,754; Mar. 24; Sp. p. 4500; Dr. pp. 958-9; Gaz. vol. 133; p. 836.
 Cigar. I. Kitsee. No. 888,508; May 26; Sp. p. 4363; Dr. p. 925; Gaz. vol. 134; p. 800.
 Cigar and cigarette holder. I. A. Heald. No. 882,825; Mar. 24; Sp. p. 4635; Dr. p. 988; Gaz. vol. 133; p. 850.
 Cigar-ash thimble and protector. H. S. Cunningham. No. 886,352; May 5; Sp. p. 25; Dr. p. 6; Gaz. vol. 134; p. 7.
 Cigar-banding device. C. Silger and I. Deatherage. No. 898,273; Sept. 8; Sp. p. 2102; Dr. p. 447; Gaz. vol. 136; p. 364.
 Cigar-box. A. B. Smith. No. 900,222; Oct. 6; Sp. p. 309; Dr. p. 63; Gaz. vol. 136; p. 1123.
 Cigar-box. J. B. Kronk and A. P. Gold. No. 906,899; Dec. 15; Sp. p. 3449; Gaz. vol. 137; p. 1615.
 Cigar-box and lid. W. J. Farrell. No. 902,140; Oct. 27; Sp. p. 4325; Dr. p. 876; Gaz. vol. 136; p. 1841.
 Cigar-boxes, Price-marker and lid-holder for. W. I. Gale and F. Davis. No. 886,692; May 5; Sp. p. 717; Dr. p. 147; Gaz. vol. 134; p. 121.
 Cigar-buncher. W. Sternberg. No. 879,597; Feb. 18; Sp. p. 3520; Dr. p. 737; Gaz. vol. 132; p. 1478.
 Cigar-bundling ribbon. W. Brandstaedter. No. 888,143; May 19; Sp. p. 3645; Dr. p. 764; Gaz. vol. 134; p. 651.
 Cigar-case. W. L. Henry. No. 890,424; June 9; Sp. p. 2477; Dr. p. 548; Gaz. vol. 134; p. 1484.
 Cigar-case. O. L. Parmenter. No. 892,179; June 30; Sp. p. 6075; Dr. p. 1306; Gaz. vol. 134; p. 2156.
 Cigar-case. J. Langfield. No. 894,892; Aug. 4; Sp. p. 196; Dr. p. 43; Gaz. vol. 135; p. 931.
 Cigar-clipper. M. Bixby. No. 878,110; Feb. 4; Sp. p. 435; Dr. p. 92; Gaz. vol. 132; p. 919.
 Cigar-crimper. C. G. Singley. No. 894,858; Aug. 4; Sp. p. 109; Dr. p. 23; Gaz. vol. 135; p. 919.
 Cigar-cutter. W. E. Edwards. No. 876,156; Jan. 7; Sp. p. 918; Dr. p. 198; Gaz. vol. 132; p. 156.
 Cigar-cutter. E. Salzer. No. 902,171; Oct. 27; Sp. p. 4393; Dr. p. 889; Gaz. vol. 136; p. 1851.
 Cigar-cutter. G. A. Arnold. No. 903,431; Nov. 10; Sp. p. 1780; Gaz. vol. 137; p. 324.
 Cigar cutter and lighter. A. von Kaspis. No. 876,833; Jan. 14; Sp. p. 2425; Dr. p. 529; Gaz. vol. 132; p. 428.
 Cigar-cutter and match-deliverer. E. Salzer. No. 902,170; Oct. 27; Sp. p. 4391; Dr. p. 889; Gaz. vol. 136; p. 1851.
 Cigar-cutter and match-safe, Combined. A. B. Bennett. No. 890,119; June 9; Sp. p. 1849; Dr. pp. 407-8; Gaz. vol. 134; p. 1385.
 Cigar-cutter and match-box, Combined. F. J. Aagland. No. 896,263; Aug. 18; Sp. p. 2937; Dr. p. 633; Gaz. vol. 135; p. 1427.
 Cigar-cutter, Emblem. M. O. Discher. No. 907,323; Dec. 22; Sp. p. 4287; Gaz. vol. 137; p. 1790.
 Cigar-forming machine. E. J. Lake. No. 896,219; Aug. 18; Sp. p. 2852; Dr. p. 614; Gaz. vol. 135; p. 1412.
 Cigar-holder. P. Faracchio. No. 879,450; Feb. 18; Sp. p. 3214; Dr. p. 669; Gaz. vol. 132; p. 1431.
 Cigar-holder. D. Bruce. No. 887,186; May 12; Sp. p. 1668; Dr. p. 354; Gaz. vol. 134; p. 306.
 Cigar-holder. G. A. T. Walker. No. 894,475; July 28; Sp. p. 4391; Dr. p. 906; Gaz. vol. 135; p. 769.
 Cigar-holder. L. A. Leu. No. 895,568; Aug. 11; Sp. p. 1587; Dr. p. 336; Gaz. vol. 135; p. 1180.
 Cigar-holder. H. G. Galatian and E. T. Allen. No. 906,791; Dec. 15; Sp. p. 3235; Gaz. vol. 137; p. 1580.
 Cigar-holder for hats. F. L. Short. No. 897,027; Aug. 25; Sp. p. 4556; Dr. p. 972; Gaz. vol. 135; p. 1700.
 Cigar-holding receptacle. J. P. Bergeron. No. 902,521; Oct. 27; Sp. p. 5159; Dr. p. 1045; Gaz. vol. 136; p. 1968.
 Cigar-lighter. A. C. Gruhlke. No. 879,632; Feb. 18; Sp. p. 3589; Dr. p. 751; Gaz. vol. 132; p. 1490.
 Cigar-lighter. E. Berg. No. 896,348; Aug. 18; Sp. p. 3117; Dr. p. 670; Gaz. vol. 135; p. 1453.
 Cigar-lighter. C. A. Wagner. No. 897,687; Sept. 1; Sp. p. 899; Dr. p. 193; Gaz. vol. 136; p. 144.
 Cigar-lighter, Electric. E. P. Müller. No. 897,766; Sept. 1; Sp. p. 1055; Dr. p. 227; Gaz. vol. 136; p. 171.
 Cigar-lighting apparatus. A. Söderlund and B. Hallenbrook. No. 875,743; Jan. 7; Sp. p. 127; Dr. p. 28; Gaz. vol. 132; p. 25.
 Cigar-machine. S. I. Prescott. No. 879,192; Feb. 18; Sp. p. 2674; Dr. pp. 558-9; Gaz. vol. 132; p. 1347.
 Cigar-machines, Bunch shaping, compressing, and conveying mechanism for. J. D. Lacroix. No. 901,625; Oct. 20; Sp. p. 3258; Dr. pp. 668-9; Gaz. vol. 136; p. 1644.
 Cigar-machines, Wrapper-smoothing mechanism for. W. S. Luckett and M. Fogde. No. 882,703; Mar. 24; Sp. p. 4387; Dr. p. 934; Gaz. vol. 133; p. 820.
 Cigar-mold. N. Du Brul. No. 889,773; June 2; Sp. p. 1136; Dr. p. 264; Gaz. vol. 134; p. 1242.
 Cigar-mold. N. Du Brul. No. 889,774; June 2; Sp. p. 1138; Dr. p. 264; Gaz. vol. 134; p. 1243.
 Cigar-package. J. W. Michel. No. 906,444; Dec. 8; Sp. p. 2584; Gaz. vol. 137; p. 1444.
 Cigar-receptacle, match-box, and cigar-cutter, Combined. J. Berg. No. 908,065; Dec. 29; Sp. p. 5849; Gaz. vol. 137; p. 2064.
 Cigar-rest, Sanitary. G. F. Southard. No. 905,944; Dec. 8; Sp. p. 1640; Gaz. vol. 137; p. 1283.

Alphabetical list of inventions—Continued.

- Cigar-tip. W. E. Bostick. No. 882,185; Mar. 17; Sp. p. 3407; Dr. p. 724; Gaz. vol. 133; p. 617.
 Cigar-tip. J. O. Therien. No. 899,355; Sept. 22; Sp. p. 4171; Dr. p. 893; Gaz. vol. 136; p. 774.
 Cigar-tip-cutter and lighter, Combined. T. P. Moody. No. 878,082; Feb. 4; Sp. p. 385; Dr. p. 80; Gaz. vol. 132; p. 910.
 Cigar-tip-cutting attachment and fastening device for cigar-boxes. E. Baker. No. 895,835; Aug. 11; Sp. p. 2130; Dr. p. 451; Gaz. vol. 135; p. 1267.
 Cigar-tip perforator. A. W. Stephens. No. 889,556; June 2; Sp. p. 733; Dr. p. 169; Gaz. vol. 134; p. 1174.
 Cigar, Trick. J. Bing. No. 887,759; May 19; Sp. p. 2894; Dr. p. 610; Gaz. vol. 134; p. 526.
 Cigar-wrapper cutter and rolling table. B. Liberman. No. 897,547; Sept. 1; Sp. p. 630; Dr. p. 130; Gaz. vol. 136; p. 99.
 Cigar-wrapper-cutting machine. A. Du Brul. No. 889,772; June 2; Sp. p. 1134; Dr. pp. 263-4; Gaz. vol. 134; p. 1242.
 Cigar-wrapper-rolling machine. H. Nageleisen. No. 899,998; Sept. 29; Sp. p. 5505; Dr. p. 1173; Gaz. vol. 136; p. 1019.
 Cigars and the like, Forming hygienic metallic ends on. A. A. Van der Meulen. No. 882,770; Mar. 24; Sp. p. 4525; Gaz. vol. 133; p. 840.
 Cigars, Manufacture of. J. B. De Léry. No. 884,982; Apr. 14; Sp. p. 2680; Dr. p. 569; Gaz. vol. 133; p. 1646.
 Cigars, Manufacturing. C. M. Berry. No. 903,437; Nov. 10; Sp. p. 1790; Gaz. vol. 137; p. 326.
 Cigars, Packing. O. L. Parmenter. No. 897,925; Sept. 8; Sp. p. 1417; Dr. p. 302; Gaz. vol. 136; p. 254.
 Cigars, Pressing. R. Woerner. No. 883,156; Mar. 24; Sp. p. 5294; Dr. pp. 1129-31; Gaz. vol. 133; p. 967.
 Cigars, Waterproof self-seating tube for protecting the mouth end of. R. H. Young. No. 879,713; Feb. 18; Sp. p. 3754; Dr. p. 787; Gaz. vol. 132; p. 1517.
 Cigarette. T. T. Hutchinson. No. 890,060; June 9; Sp. p. 1740; Dr. p. 385; Gaz. vol. 134; p. 1366.
 Cigarette-box. H. J. Schmidt. No. 893,551; July 14; Sp. p. 2373; Dr. p. 496; Gaz. vol. 135; p. 413.
 Cigarette-box. G. B. Mosley. No. 897,222; Aug. 25; Sp. p. 4939; Dr. p. 1048; Gaz. vol. 135; p. 1762.
 Cigarette box and case. G. Albrecht. No. 889,568; June 2; Sp. p. 750; Dr. p. 172; Gaz. vol. 134; p. 1178.
 Cigarette-case. H. C. Pedersen. No. 890,703; June 16; Sp. p. 3058; Dr. p. 670; Gaz. vol. 134; p. 1607.
 Cigarette-case. B. Epstein. No. 903,690; Nov. 10; Sp. p. 2320; Gaz. vol. 137; p. 407.
 Cigarette-former. J. E. Wood. No. 903,039; Nov. 3; Sp. p. 1024; Gaz. vol. 137; p. 168.
 Cigarette-holder. E. T. Crane. No. 890,207; June 2; Sp. p. 35; Dr. p. 10; Gaz. vol. 134; p. 1063.
 Cigarette-holder. O. A. Day. No. 892,812; July 7; Sp. p. 822; Dr. p. 175; Gaz. vol. 135; p. 141.
 Cigarette-machine. D. J. Campbell. No. 876,327; Jan. 14; Sp. p. 1269; Dr. pp. 275-7; Gaz. vol. 132; p. 242.
 Cigarette-machine. H. Bilgram. No. 877,827; Jan. 28; Sp. p. 4356; Dr. pp. 945-6; Gaz. vol. 132; p. 798.
 Cigarette-machine. O. Bergsträsser. No. 899,376; Sept. 22; Sp. p. 4209; Dr. p. 901; Gaz. vol. 136; p. 781.
 Cigarette-machine. C. A. Marchal. No. 903,101; Nov. 3; Sp. p. 1133; Gaz. vol. 137; p. 185.
 Cigarette-machines, Paper-strip controlling and printing mechanism for. S. I. Prescott. No. 882,651; Mar. 24; Sp. p. 4295; Dr. p. 911; Gaz. vol. 133; p. 803.
 Cigarette-making apparatus. L. Aptekman. No. 885,421; Apr. 21; Sp. p. 3611; Dr. p. 757; Gaz. vol. 133; p. 1823.
 Cigarette-making machine. C. Simon and J. C. Drücklieb. No. 907,188; Dec. 22; Sp. p. 4003; Gaz. vol. 137; p. 1742.
 Cigarette-manufacturing machine. D. Weil. No. 903,925; Nov. 17; Sp. p. 2838; Gaz. vol. 137; p. 518.
 Cigarette-pipe. A. Weisz. No. 889,283; June 2; Sp. p. 180; Dr. p. 45; Gaz. vol. 134; p. 1087.
 Cigarette-tipping machine, Individual. A. Boucher. No. 887,761; May 19; Sp. p. 2846; Dr. pp. 610-11; Gaz. vol. 134; p. 527.
 Cigarette-tube. J. Guénifet, A. Benoit, and J. Nicault. No. 880,487; Feb. 25; Sp. p. 3368; Dr. p. 1131; Gaz. vol. 132; p. 1807.
 Cigarette tube or mouthpiece. J. Guénifet, A. Benoit, and J. Nicault. No. 880,488; Feb. 25; Sp. p. 3369; Dr. p. 1131; Gaz. vol. 132; p. 1807.
 Cigarette-tubes, Machine for making mouthpiece. M. Himoff. No. 896,911; Aug. 25; Sp. p. 4500; Dr. pp. 919-20; Gaz. vol. 135; p. 1661.
 Cigarettes, Machine for applying cork tips to. J. N. Tzibides. No. 890,734; June 16; Sp. p. 3137; Dr. pp. 687-9; Gaz. vol. 134; p. 1618.
 Cigarettes, Machine for making envelop-like cases for. M. D'Alessandri. No. 896,693; Aug. 18; Sp. p. 3801; Dr. p. 822; Gaz. vol. 135; p. 1564.
 Cigarettes, Production of shells employed in the manufacture of. I. Semenoff. No. 900,432; Oct. 6; Sp. p. 760; Dr. p. 157; Gaz. vol. 136; p. 1192.
 Cigarettes, Tool or apparatus for use in the manufacture of hand-made. L. Aptekman. No. 897,699; Sept. 1; Sp. p. 930; Dr. p. 197; Gaz. vol. 136; p. 149.
 Cigarettes with mouthpieces, Apparatus for manufacturing. F. Tone. No. 892,099; June 30; Sp. p. 5901; Dr. pp. 1271-4; Gaz. vol. 134; p. 2128.
 Cigarettes with mouthpieces, Machine for forming. J. A. F. Reinecke. No. 893,098; July 14; Sp. p. 1427; Dr. pp. 302-3; Gaz. vol. 135; p. 265.
 Cipher system. H. C. Newton and A. G. M. Michell. No. 879,667; Feb. 18; Sp. p. 3664; Dr. p. 765; Gaz. vol. 132; p. 1501.
 Circle-comb. A. Long. No. 896,403; Aug. 18; Sp. p. 3230; Dr. pp. 692-3; Gaz. vol. 135; p. 1471.
 Circuit-breaker. P. H. Thomas. No. 876,918; Jan. 14; Sp. p. 2501; Dr. p. 545; Gaz. vol. 132; p. 439.
 Circuit-breaker. E. H. Smythe. No. 888,760; May 26; Sp. p. 4881; Dr. pp. 1040-1; Gaz. vol. 134; p. 885.
 Circuit-breaker. A. Smith. No. 890,718; June 16; Sp. p. 3100; Dr. p. 680; Gaz. vol. 134; p. 1613.
 Circuit-breaker. C. C. Badeau. No. 900,693; Oct. 13; Sp. p. 1338; Dr. p. 273; Gaz. vol. 136; p. 1305.
 Circuit-breaker. E. M. Hewlett and T. E. Button. No. 901,614; Oct. 20; Sp. p. 3233; Dr. pp. 662-3; Gaz. vol. 136; p. 1640.
 Circuit-breaker, Automatic. H. P. Ball. No. 897,858; Sept. 1; Sp. p. 1262; Dr. pp. 270-1; Gaz. vol. 136; p. 199.
 Circuit-breaker, Automatic magnetic. W. M. Scott. No. 894,910; Aug. 4; Sp. p. 243; Dr. p. 52; Gaz. vol. 135; p. 937.
 Circuit-breaker contact. W. M. Scott and H. C. Campion. Jr. No. 896,764; Aug. 25; Sp. p. 3958; Dr. p. 852; Gaz. vol. 135; p. 1611.
 Circuit-breaker, Disturbance-operated. L. D. Haas and E. G. Derbidge. No. 893,997; July 21; Sp. p. 3383; Dr. p. 692; Gaz. vol. 135; p. 590.
 Circuit-breaker, High-tension. F. B. Corey. No. 900,708; Oct. 13; Sp. p. 1367; Dr. p. 278; Gaz. vol. 136; p. 1310.
 Circuit-breaker insulator. L. L. Elden. No. 907,108; Dec. 15; Sp. p. 3827; Gaz. vol. 137; p. 1679.
 Circuit-breaker, Magnetic. R. Scott. No. 890,183; June 9; Sp. p. 1986; Dr. p. 438; Gaz. vol. 134; p. 1406.
 Circuit-breaker, Magnetic. R. Scott. No. 896,469; Aug. 18; Sp. p. 3366; Dr. p. 725; Gaz. vol. 135; p. 1493.
 Circuit-breaker, Reverse-current. C. E. Evelett. No. 883,943; Apr. 7; Sp. p. 552; Dr. p. 110; Gaz. vol. 133; p. 1281.
 Circuit closer and breaker. A. Winton. No. 890,482; June 9; Sp. p. 2580; Dr. p. 570; Gaz. vol. 134; p. 1501.
 Circuit-closer, Mercurial thermostatic. F. Cossor. No. 876,773; Jan. 14; Sp. p. 2209; Dr. p. 486; Gaz. vol. 132; p. 392.
 Circuit-closer, Safety. L. Ottinger. No. 897,130; Aug. 25; Sp. p. 4753; Dr. p. 1012; Gaz. vol. 135; p. 1735.
 Circuit-closer, Thermostatic. J. O. Woods. No. 884,969; Apr. 14; Sp. p. 2658; Dr. p. 565; Gaz. vol. 133; p. 1642.
 Circuit-closer, Time-limit. W. W. Brown. No. 892,576; July 7; Sp. p. 349; Dr. p. 77; Gaz. vol. 135; p. 65.
 Circuit-closing device. A. A. White. No. 903,251; Nov. 10; Sp. p. 1443; Gaz. vol. 137; p. 266.
 Circuit-closing relay. J. F. Webb, Jr. No. 904,661; Nov. 24; Sp. p. 4368; Gaz. vol. 137; p. 793.
 Circuit connection, Ignition-. E. S. Lincoln. No. 876,203; Jan. 7; Sp. p. 1002; Dr. pp. 217-18; Gaz. vol. 132; p. 170.
 Circuit control, Apparatus for track-. J. A. Peabody. No. 875,843; Jan. 7; Sp. p. 310; Dr. pp. 67-8; Gaz. vol. 132; p. 57.
 Circuit-controller. L. F. Howard. No. 877,427; Jan. 21; Sp. p. 3569; Dr. p. 771; Gaz. vol. 132; p. 650.
 Circuit-controller. A. Bevan. No. 900,699; Oct. 13; Sp. p. 1349; Dr. p. 276; Gaz. vol. 136; p. 1307.
 Circuit-controller, Drawbridge. F. A. Wendler. No. 903,927; Nov. 17; Sp. p. 2843; Gaz. vol. 137; p. 519.
 Circuit-controller, Electric-motor. J. M. Joy. No. 876,882; Jan. 14; Sp. p. 2422; Dr. p. 528; Gaz. vol. 132; p. 427.
 Circuit-controller, Thermostatic. H. L. Hicks. No. 895,460; Aug. 11; Sp. p. 1382; Dr. p. 291; Gaz. vol. 135; p. 1145.
 Circuit-controller, Thermostatic. G. H. Bowen. No. 903,165; Nov. 10; Sp. p. 1251; Gaz. vol. 137; p. 237.
 Circuit-controlling device. G. H. Dorgeloh. No. 890,621; June 16; Sp. p. 2891; Dr. p. 635; Gaz. vol. 134; p. 1581.
 Circuit-controlling devices, Operating means for. J. K. Lux. No. 901,630; Oct. 20; Sp. p. 3268; Dr. p. 670; Gaz. vol. 136; p. 1645.
 Circuit-controlling mechanism. G. M. Willis. No. 891,893; June 30; Sp. p. 5518; Dr. pp. 1191-2; Gaz. vol. 134; p. 2063.
 Circuit-interrupter. C. B. Snell. No. 900,320; Oct. 6; Sp. p. 530; Dr. p. 110; Gaz. vol. 136; p. 1155.
 Circuits of electrostatic reaction-currents, Method of and apparatus for relieving wire. N. G. Warth. No. 903,923; Nov. 17; Sp. p. 2828; Gaz. vol. 137; p. 517.
 Circuits, Regulation of the period or inductance of high-frequency. G. Ferrié. No. 906,211; Dec. 8; Sp. p. 2153; Gaz. vol. 137; p. 1369.
 Circulating device. E. H. Gold. No. 890,137; June 9; Sp. p. 1884; Dr. pp. 417-18; Gaz. vol. 134; p. 1391.
 Circulation. F. P. Dewey. No. 888,968; May 26; Sp. p. 5347; Dr. p. 1134; Gaz. vol. 134; p. 954.
 Circulation apparatus. F. P. Dewey. No. 888,967; May 26; Sp. p. 5344; Dr. p. 1134; Gaz. vol. 134; p. 954.
 Cistern. A. G. Peterson. No. 876,392; Jan. 14; Sp. p. 1411; Dr. p. 304; Gaz. vol. 132; p. 264.
 Cistern. H. H. Wise. No. 885,209; Apr. 21; Sp. p. 3189; Dr. p. 666; Gaz. vol. 133; p. 1754.
 Cistern with purifier, Water-. W. J. Nuss. No. 883,903; Apr. 7; Sp. p. 475; Dr. p. 93; Gaz. vol. 133; p. 1267.
 Cisterns, Means for making. T. B. Lepley. No. 902,666; Nov. 3; Sp. p. 261; Gaz. vol. 137; p. 44.
 Cisterns, Form for plugging the outlet-pipes of. R. S. Godson. No. 905,172; Dec. 1; Sp. p. 96; Gaz. vol. 137; p. 999.
 Cisterns, Ventilating-cover for. J. U. Gribben and M. Mohr. No. 902,289; Oct. 27; Sp. p. 4640; Dr. p. 941; Gaz. vol. 136; p. 1889.
 Clam-digger. W. J. Mumford. No. 880,686; Mar. 3; Sp. p. 386; Dr. p. 84; Gaz. vol. 133; p. 69.
 Clam-digger. W. D. Collier. No. 897,351; Sept. 1; Sp. p. 206; Dr. p. 44; Gaz. vol. 136; p. 32.

Alphabetical list of inventions—Continued.

- Clamp: See Adjustable clamp; Bar-clamp; Beam-clamp; Bedclothes-clamp; Belt-clamp; Belting-clamp; Board-clamp; Bonding-clamp; Box-lid clamp; Cable-clamp; Clothes-line clamp; Column-clamp; Cycle saddle-clamp; Electric-cable clamp; Electric-wire-grounding clamp; Engraver's clamp; Fence-clamp; Fence-stretching clamp; File-clamp; Fire-brick clamp; Fishing-rod reel-clamp; Flask-clamp; Floor-clamp; Glass-blower's clamp; Gluing-clamp; Guy-clamp; Hinge-clamp; Horse-pad clamp; Hose-clamp; Hose-band clamp; Insulator and wire-clamp; Jar-clamp; Jar-lid clamp; Joiner's hand-clamp; Lamp-fastening clamp; Lens-clamp; Log-clamp; Machinist's clamp; Matrix-clamp; Miter-clamp; Overshoe-clamp; Paper-holding clamp; Parallel clamp; Pipe-clamp; Plow-standard clamp; Plow-wheel-adjusting clamp; Printer's-plate clamp; Rail-clamp; Reel-clamp; Register-clamp; Ring-clamp; Rope-clamp; Saw-clamp; Scaffold-clamp; Screen-clamp; Shaft-clamp; Show-case clamp; Socket-key clamp; Spring-compressing clamp; Supporting clamp; Tie-wire clamp; Tire-clamp; Trolley-line clamp; Truck-clamp; Tube-clamp; Tube and rod clamp; Wire-clamp; Wire-rope clamp; Woodworker's clamp; Woodworking-clamp.
- Clamp. W. D. Faris. No. 876,160; Jan. 7; Sp. p. 923; Dr. p. 199; Gaz. vol. 132; p. 157.
- Clamp. L. Ljunglof. No. 876,908; Jan. 14; Sp. p. 2475; Dr. p. 541; Gaz. vol. 132; p. 436.
- Clamp. A. G. Blazier. No. 876,931; Jan. 21; Sp. p. 2546; Dr. p. 556; Gaz. vol. 132; p. 483.
- Clamp. H. L. Wyeth. No. 883,604; Mar. 31; Sp. p. 6228; Dr. p. 1328; Gaz. vol. 133; p. 1140.
- Clamp. C. M. Sorensen. No. 884,772; Apr. 14; Sp. p. 2277; Dr. p. 479; Gaz. vol. 133; p. 1582.
- Clamp. J. R. Peirce. No. 885,949; Apr. 28; Sp. p. 4709; Dr. p. 990; Gaz. vol. 133; p. 2024.
- Clamp. J. H. Mills. No. 888,834; May 26; Sp. p. 5063; Dr. p. 1080; Gaz. vol. 134; p. 909.
- Clamp. H. J. Arnold. No. 889,842; June 2; Sp. p. 1264; Dr. p. 291; Gaz. vol. 134; p. 1265.
- Clamp. H. Wichers. No. 891,121; June 16; Sp. p. 3895; Dr. p. 852; Gaz. vol. 134; p. 1743.
- Clamp. J. Kennedy. No. 897,903; Sept. 8; Sp. p. 1362; Dr. p. 291; Gaz. vol. 136; p. 247.
- Clamp. O. Wallace. No. 898,396; Sept. 8; Sp. p. 2320; Dr. p. 493; Gaz. vol. 136; p. 404.
- Clamp. M. S. Cumner. No. 900,915; Oct. 13; Sp. p. 1801; Dr. p. 364; Gaz. vol. 136; p. 1376.
- Clamp. J. H. Mills. (Reissue). No. 12,864; Oct. 13; Sp. p. 2568; Dr. p. 528; Gaz. vol. 136; p. 1504.
- Clamp. H. A. Thompson. No. 901,925; Oct. 20; Sp. p. 3868; Dr. p. 788-9; Gaz. vol. 136; p. 1742.
- Clamp. G. L. Hoffer. No. 903,380; Nov. 10; Sp. p. 1679; Gaz. vol. 137; p. 307.
- Clamp. E. Barnes. No. 905,831; Dec. 8; Sp. p. 1426; Gaz. vol. 137; p. 1246.
- Clamp. J. C. Hoffmeister. No. 907,237; Dec. 22; Sp. p. 4126; Gaz. vol. 137; p. 1759.
- Clamp. C. T. Mitchell. No. 907,846; Dec. 29; Sp. p. 5387; Gaz. vol. 137; p. 1992.
- Clamp. A. J. Thomson. No. 908,356; Dec. 29; Sp. p. 6471; Gaz. vol. 137; p. 2164.
- Clamp-anchor. F. Robinson. No. 888,931; May 26; Sp. p. 5265; Dr. p. 1117; Gaz. vol. 134; p. 943.
- Clamp and buckle for joining webbing. E. H. Erickson. No. 899,105; Sept. 22; Sp. p. 3676; Dr. p. 787; Gaz. vol. 136; p. 693.
- Clamp-bar. E. Barker. No. 878,492; Feb. 11; Sp. p. 1232; Dr. p. 255; Gaz. vol. 132; p. 1080.
- Clamp for securing planks of scaffolds together, applicable also for use in connection with planks for other purposes. F. Mitchell and F. Gunn. No. 876,376; Jan. 14; Sp. p. 1363; Dr. p. 297; Gaz. vol. 132; p. 258.
- Clamp, Rail-. J. M. Vail. No. 904,820; Nov. 24; Sp. p. 4714; Gaz. vol. 137; p. 847.
- Clamp-rib for ironwork. T. M. Worcester. No. 894,711; July 28; Sp. p. 4543; Dr. p. 1007; Gaz. vol. 135; p. 845.
- Clamping and locking device. W. M. Van Cise and J. F. Chambers. No. 881,975; Mar. 17; Sp. p. 2978; Dr. p. 634; Gaz. vol. 133; p. 549.
- Clamping device. H. H. McGiffin and E. H. McCauley. No. 880,460; Feb. 25; Sp. p. 5307; Dr. p. 1117; Gaz. vol. 132; p. 1797.
- Clamping device. H. G. Berentsen. No. 889,894; June 9; Sp. p. 1389; Dr. p. 315; Gaz. vol. 134; p. 1308.
- Clamping device. C. J. H. Hewitt and J. Walker, Jr. No. 907,800; Dec. 29; Sp. p. 5304; Gaz. vol. 137; p. 1978.
- Clamping joinery-work. Means for. C. Krogh. No. 886,613; May 5; Sp. p. 534; Dr. p. 114; Gaz. vol. 134; p. 95.
- Clarinet. H. Bonn, Jr. No. 878,333; Feb. 4; Sp. p. 895; Dr. pp. 179-80; Gaz. vol. 132; p. 993.
- Clarinet. F. W. Stahl. No. 885,880; Apr. 28; Sp. p. 4546; Dr. p. 954; Gaz. vol. 133; p. 2000.
- Clasp: See Advertising hat-clasp; Belt-clasp; Corset-clasp; Garment-clasp; Garment-supporter clasp; Garment-supporting clasp; Garter-clasp; Hame-clasp; Hose-supporter clasp; Letter-clasp; Overshoe-clasp; Ribbon-roll clasp; Signal-blade clasp.
- Clasp. W. C. Finney. No. 876,161; Jan. 7; Sp. p. 924; Dr. p. 199; Gaz. vol. 132; p. 157.
- Clasp. I. Mandeville. No. 879,282; Feb. 18; Sp. p. 2836; Dr. p. 595; Gaz. vol. 132; p. 1376.
- Clasp. M. D. Arnov. No. 880,116; Feb. 25; Sp. p. 4589; Dr. p. 967; Gaz. vol. 132; p. 1681.
- Clasp. S. F. Estell. No. 883,184; Mar. 31; Sp. p. 5358; Dr. p. 1141; Gaz. vol. 133; p. 1006.
- Clasp. J. H. Pilkington. No. 883,231; Mar. 31; Sp. p. 5468; Dr. p. 1165; Gaz. vol. 133; p. 1023.
- Clasp. E. J. Martel. No. 885,267; Apr. 21; Sp. p. 3295; Dr. p. 689; Gaz. vol. 133; p. 1774.
- Clasp. B. L. Green. No. 885,993; Apr. 28; Sp. p. 4805; Dr. p. 1009; Gaz. vol. 133; p. 2039.
- Clasp. P. W. Hoffman. No. 889,230; June 2; Sp. p. 78; Dr. p. 17; Gaz. vol. 134; p. 1070.
- Clasp. L. H. Rossuek. No. 889,969; June 9; Sp. p. 1539; Dr. p. 347; Gaz. vol. 134; p. 1333.
- Clasp. O. L. Gammelgaard. No. 890,041; June 9; Sp. p. 1707; Dr. p. 378; Gaz. vol. 134; p. 1359.
- Clasp. J. K. Livingston. No. 890,241; June 9; Sp. p. 2106; Dr. p. 461; Gaz. vol. 134; p. 1421.
- Clasp. L. Parenti. No. 894,341; July 28; Sp. p. 4111; Dr. p. 849; Gaz. vol. 135; p. 724.
- Clasp. H. E. Berkeley. No. 898,176; Sept. 8; Sp. p. 1929; Dr. p. 411; Gaz. vol. 136; p. 334.
- Clasp. J. V. Newton. No. 900,034; Sept. 29; Sp. p. 5593; Dr. p. 1194; Gaz. vol. 136; p. 1032.
- Clasp. F. L. Beymer. No. 906,502; Dec. 15; Sp. p. 2691; Gaz. vol. 137; p. 1489.
- Clasp for purses and the like. Safety-. W. Melroy. No. 904,981; Nov. 24; Sp. p. 5047; Gaz. vol. 137; p. 899.
- Clasp plate and web. Garment-. H. E. Crandall. No. 907,573; Dec. 22; Sp. p. 4776; Gaz. vol. 137; p. 1871.
- Clasp with pencil-chain for note-books, documents, or the like. E. Kaplan. No. 883,718; Apr. 7; Sp. p. 82; Dr. p. 13; Gaz. vol. 133; p. 1206.
- Classifier. J. R. Holmes. No. 890,906; June 16; Sp. p. 3477; Dr. pp. 761-2; Gaz. vol. 134; p. 1673.
- Classifier. C. W. Merrill. No. 907,387; Dec. 22; Sp. p. 4407; Gaz. vol. 137; p. 1811.
- Classifier or separator. C. Churchill. No. 890,606; June 16; Sp. p. 2857; Dr. p. 629; Gaz. vol. 134; p. 1575.
- Clavicular apparatus. R. H. Cheatham. No. 890,842; June 16; Sp. p. 3351; Dr. p. 734; Gaz. vol. 134; p. 1654.
- Claw-coupling. Central-buffer. L. Scheib, Sr., and L. Jr. No. 904,153; Nov. 17; Sp. p. 3285; Gaz. vol. 137; p. 595.
- Clay press or mixer. C. F. Schlickeys. No. 893,385; July 14; Sp. p. 1989; Dr. p. 417; Gaz. vol. 135; p. 359.
- Clay-screen. H. H. Smith. No. 887,436; May 12; Sp. p. 2259; Dr. p. 473-4; Gaz. vol. 134; p. 390.
- Clean-out appliance. J. and J. W. Buckley. No. 890,331; June 9; Sp. p. 2310; Dr. p. 510; Gaz. vol. 134; p. 1454.
- Cleaner: See Boiler-cleaner; Boiler-feed-pipe cleaner; Boiler-flue cleaner; Boiler-tube cleaner; Bolting-cloth cleaner; Boot and shoe cleaner; Bottle-cleaner; Brush-cleaner; Can-cleaner; Comb-cleaner; Cotton-cleiser; Eraser-cleaner; Flue-cleaner; Gas-burner cleaner; Grain-cleaner; Gun-cleaner; Horse-cleaner; Lamp-globe cleaner; Lawn-cleaner; Omion-cleaner; Pen-cleaner; Pipe-cleaner; Pipe-line cleaner; Pipe or tube cleaner; Rail-cleaner; Railway-track cleaner; Rake-cleaner; Rake-tooth cleaner; Roll-cleaner; Screen-cleaner; Seed-cleaner; Shoe-cleaner; Sieve-cleaner; Stovepipe and chimney cleaner; Street-cleaner; Tank-cleaner; Tension-guide and thread-cleaner; Tobacco-pipe cleaner; Tooth-cleaner; Tube-cleaner; Tube and flue cleaner; Tube or pipe cleaner; Window-cleaner.
- Cleaning and dust-collecting apparatus. J. T. Hope. No. 908,409; Dec. 29; Sp. p. 6585; Gaz. vol. 137; p. 2182.
- Cleaning and polishing apparatus. E. Haskell. No. 897,286; Sept. 1; Sp. p. 40; Dr. p. 10; Gaz. vol. 136; p. 10.
- Cleaning and polishing composition. S. R. Fee. No. 886,786; May 5; Sp. p. 928; Gaz. vol. 134; p. 152.
- Cleaning and polishing machine. R. G. Carpenter. No. 892,934; July 7; Sp. p. 1100; Dr. p. 231; Gaz. vol. 135; p. 182.
- Cleaning apparatus. Automatic vacuum. W. J. Bergens. No. 885,011; Apr. 21; Sp. p. 2737; Dr. p. 581; Gaz. vol. 133; p. 1689.
- Cleaning apparatus. Nozzle for pneumatic. A. W. Kindel. No. 890,987; June 16; Sp. p. 3673; Dr. p. 800; Gaz. vol. 134; p. 1701.
- Cleaning apparatus. Suction. E. K. A. Baumann and F. W. Seyboth. No. 878,109; Feb. 4; Sp. p. 434; Dr. p. 92; Gaz. vol. 132; p. 919.
- Cleaning-cloths and the like. Holder for. E. Compton. No. 879,365; Feb. 18; Sp. p. 3004; Dr. p. 628; Gaz. vol. 132; p. 1403.
- Cleaning composition. J. F. Washington. No. 891,646; June 23; Sp. p. 5018; Gaz. vol. 134; p. 1949.
- Cleaning compound. G. Hegyi. No. 881,859; Mar. 10; Sp. p. 2724; Gaz. vol. 133; p. 482.
- Cleaning compound. H. C. Wright. No. 881,989; Mar. 17; Sp. p. 3013; Gaz. vol. 133; p. 553.
- Cleaning device. J. C. Willis. No. 901,272; Oct. 13; Sp. p. 2472; Dr. p. 507; Gaz. vol. 136; p. 1490.
- Cleaning device. F. Dugas and P. Richards. No. 905,158; Dec. 1; Sp. p. 68; Gaz. vol. 137; p. 994.
- Cleaning implement. M. Kuettnet. No. 893,080; July 14; Sp. p. 1400; Dr. p. 296; Gaz. vol. 135; p. 259.
- Cleaning-machine. J. Tolson. No. 885,107; Apr. 21; Sp. p. 2940; Dr. p. 625; Gaz. vol. 133; p. 1720.
- Cleaning-machine. D. E. Preston. No. 889,716; June 2; Sp. p. 1038; Dr. p. 240; Gaz. vol. 134; p. 1225.
- Cleaning-machine. R. C. Clark. No. 890,405; June 9; Sp. p. 2443; Dr. p. 540; Gaz. vol. 134; p. 1477.
- Cleaning-machines or rumbles. Safety device for. C. Fish. No. 876,268; Jan. 7; Sp. p. 1141; Dr. p. 248; Gaz. vol. 132; p. 192.
- Cleaning-tool. Pneumatic. C. Moukos. No. 882,574; Mar. 24; Sp. p. 4139; Dr. p. 878; Gaz. vol. 133; p. 770.
- Cleansing compound. F. F. Prusz. No. 879,902; Feb. 25; Sp. p. 4187; Dr. p. 874; Gaz. vol. 132; p. 1612.
- Cleat. J. McClure, Jr. No. 885,506; Apr. 21; Sp. p. 3758; Dr. p. 791; Gaz. vol. 133; p. 1850.
- Cleat. C. F. Foote. No. 890,854; Apr. 21; Sp. p. 3375; Dr. p. 740; Gaz. vol. 134; p. 1657.
- Cleaver, Wood-. A. Bienk. No. 881,538; Mar. 10; Sp. p. 2075; Dr. p. 453; Gaz. vol. 133; p. 378.
- Clevis. B. W. Cook. No. 876,333; Jan. 14; Sp. p. 1286; Dr. p. 278; Gaz. vol. 132; p. 244.
- Clevis. H. S. Burnett. No. 880,626; Mar. 3; Sp. p. 280; Dr. p. 60; Gaz. vol. 133; p. 49.
- Clevis. L. K. McClellan. No. 882,476; Mar. 17; Sp. p. 3932; Dr. p. 841; Gaz. vol. 133; p. 711.

Alphabetical list of inventions—Continued.

- Clevis. J. H. Wiese and W. Schneekloth. No. 892,787; July 7; Sp. p. 779; Dr. p. 164; Gaz. vol. 135; p. 133.
 Clevis. R. H. Sullivan. No. 892,966; July 7; Sp. p. 1153; Dr. p. 243; Gaz. vol. 135; p. 194.
 Clevis. T. J. Davis. No. 897,066; Aug. 25; Sp. p. 4636; Dr. p. 987; Gaz. vol. 135; p. 1714.
 Clevis. M. Paveletz. No. 905,223; Dec. 1; Sp. p. 207; Gaz. vol. 137; p. 1017.
 Clevis, Interlocking. T. Nelson. No. 876,829; Jan. 14; Sp. p. 2314; Dr. p. 508; Gaz. vol. 132; p. 409.
 Clevis, Plow-. M. L. Digby. No. 877,413; Jan. 21; Sp. p. 3546; Dr. p. 767; Gaz. vol. 132; p. 645.
 Clevis, Plow-. C. C. Rankin. No. 882,797; Mar. 24; Sp. p. 4576; Dr. p. 976; Gaz. vol. 133; p. 849.
 Clevis, Plow-. J. F. Cassman. No. 901,780; Oct. 20; Sp. p. 3610; Dr. p. 731; Gaz. vol. 136; p. 1696.
 Clinometer. J. D. Keith and W. E. Faulkner. No. 888,238; May 19; Sp. p. 3814; Dr. p. 801; Gaz. vol. 134; p. 682.
 Clinometer. R. M. Staley. No. 899,269; Sept. 22; Sp. p. 4030; Dr. p. 861; Gaz. vol. 136; p. 747.
 Clip. *See* Binding-clip; Bolt-clip; Cable-clip; Chair-bottom clip; Cloth-stentering-machine clip; Connecting and spacing clip; Damper-clip; Fastening-clip; Fender-clip; File-clip; Insulator-clip; Letter-clip; Paper-clip; Rail-clip; Retaining-clip; Rope-clip; Slip-clip; Spark-plug clip; Spring-clip; Stamping-clip; Stenciling-machine clip; Switch-clip; Thread-cutting clip; Vehicle-clip; Wheelbarrow-clip; Whiffletree-clip; Winker-brace clip.
 Clip. R. W. Horton and J. E. Molesworth. No. 882,886; Mar. 24; Sp. p. 4770; Dr. p. 1015; Gaz. vol. 133; p. 878.
 Clip. W. F. Oakley. No. 883,119; Mar. 24; Sp. p. 5223; Dr. p. 1115; Gaz. vol. 133; p. 955.
 Clip. H. G. Addie. No. 884,256; Apr. 7; Sp. p. 1209; Dr. p. 254; Gaz. vol. 133; p. 1333.
 Clip. E. M. Silvermann. No. 883,666; July 21; Sp. p. 2625; Dr. p. 549; Gaz. vol. 135; p. 481.
 Clip. A. B. McLean. No. 897,645; Sept. 1; Sp. p. 815; Dr. p. 171; Gaz. vol. 136; p. 130.
 Clip. B. McIntosh. No. 907,270; Dec. 2; Sp. p. 4197; Gaz. vol. 137; p. 1772.
 Clip and spring construction. M. L. Senderling. No. 907,184; Dec. 22; Sp. p. 3996; Gaz. vol. 137; p. 1741.
 Clip-hook. H. Johnson. No. 901,173; Oct. 13; Sp. p. 2288; Dr. p. 467; Gaz. vol. 136; p. 1459.
 Clip or newspaper-holder. E. L. Winey. No. 895,706; Aug. 11; Sp. p. 1853; Dr. p. 394; Gaz. vol. 135; p. 1225.
 Clipper. B. Mattress. No. 877,658; Jan. 28; Sp. p. 4047; Dr. p. 875; Gaz. vol. 132; p. 745.
 Clipping-machine. W. B. Hoerr. No. 890,984; June 16; Sp. p. 3669; Dr. p. 799; Gaz. vol. 134; p. 1701.
 Clock. W. E. Porter. No. 879,315; Feb. 18; Sp. p. 2915; Dr. p. 608; Gaz. vol. 132; p. 1387.
 Clock. G. Jaeger. No. 898,742; Sept. 15; Sp. p. 3012; Dr. p. 645; Gaz. vol. 136; p. 547.
 Clock. A. L. Hahl. No. 905,816; Dec. 1; Sp. p. 1382; Gaz. vol. 137; p. 1210.
 Clock, Alarm-. E. E. Stockton and A. H. Porter. No. 878,251; Feb. 4; Sp. p. 739; Dr. p. 149; Gaz. vol. 132; p. 967.
 Clock, Alarm-. E. E. Gage. No. 878,371; Feb. 4; Sp. p. 963; Dr. pp. 193-4; Gaz. vol. 132; p. 1005.
 Clock, Alarm-. J. R. Hauschildt. No. 879,637; Feb. 18; Sp. p. 3598; Dr. p. 752; Gaz. vol. 132; p. 1491.
 Clock, Alarm-. G. Kern. No. 890,066; June 9; Sp. p. 1748; Dr. p. 388; Gaz. vol. 134; p. 1367.
 Clock, Alarm-. V. S. Gaillard. No. 890,134; June 9; Sp. p. 1878; Dr. p. 416; Gaz. vol. 134; p. 1390.
 Clock, Alarm-. W. J. Larkin. No. 891,084; June 16; Sp. p. 3839; Dr. p. 839; Gaz. vol. 134; p. 1732.
 Clock, Alarm-. W. E. Porter. No. 891,098; June 16; Sp. p. 3862; Dr. p. 844; Gaz. vol. 134; p. 1737.
 Clock, Alarm-. M. J. Gallagher. No. 892,245; June 30; Sp. p. 6198; Dr. p. 1336; Gaz. vol. 134; p. 2178.
 Clock, Alarm-. W. Dupen, Jr. No. 893,152; July 14; Sp. p. 1558; Dr. p. 329; Gaz. vol. 135; p. 254.
 Clock, Alarm-. E. B. Lapham and J. Walker. No. 896,734; Aug. 25; Sp. p. 3881; Dr. p. 839; Gaz. vol. 135; p. 1599.
 Clock, Alarm-. E. McComb. No. 896,930; Aug. 25; Sp. p. 4342; Dr. p. 930; Gaz. vol. 135; p. 1668.
 Clock, Alarm-. R. Metz. No. 900,293; Oct. 6; Sp. p. 477; Dr. p. 98; Gaz. vol. 136; p. 1147.
 Clock, Alarm-. W. E. Porter. No. 901,737; Oct. 20; Sp. p. 3523; Dr. p. 713; Gaz. vol. 136; p. 1682.
 Clock, Alarm-. G. Kern. No. 904,333; Nov. 17; Sp. p. 3701; Gaz. vol. 137; p. 657.
 Clock and call system, Illuminating electric. G. B. Maas. No. 889,533; June 2; Sp. p. 690; Dr. p. 158; Gaz. vol. 134; p. 1167.
 Clock and watch. J. Lichtenstein. No. 878,076; Feb. 4; Sp. p. 374; Dr. p. 77; Gaz. vol. 132; p. 908.
 Clock attachment. E. A. Hummel. No. 900,855; Oct. 13; Sp. p. 1669; Dr. p. 338; Gaz. vol. 136; p. 1357.
 Clock attachment, Electrical. O. R. Pagan. No. 885,953; Apr. 28; Sp. p. 4720; Dr. p. 992; Gaz. vol. 133; p. 2026.
 Clock-case. W. M. Barry. No. 891,134; June 16; Sp. p. 3922; Dr. p. 858; Gaz. vol. 134; p. 1747.
 Clock-case. W. J. Walker. No. 904,581; Nov. 24; Sp. p. 4210; Gaz. vol. 137; p. 766.
 Clock, Electric. N. Friedman. No. 878,877; Feb. 11; Sp. p. 2056; Dr. pp. 426-7; Gaz. vol. 132; p. 1206.
 Clock, Electric. M. Higuchi. No. 898,648; Sept. 15; Sp. p. 2841; Dr. p. 607; Gaz. vol. 136; p. 518.
 Clock, Electric. M. Higuchi. No. 898,649; Sept. 15; Sp. p. 2844; Dr. pp. 607-8; Gaz. vol. 136; p. 518.
 Clock, Electric. M. Higuchi. No. 899,012; Sept. 15; Sp. p. 3494; Dr. p. 749; Gaz. vol. 136; p. 635.
 Clock, Electric. C. H. White. No. 900,050; Oct. 13; Sp. p. 2066; Dr. p. 420; Gaz. vol. 136; p. 1420.
 Clock, Electric. R. D. Hickok. No. 904,128; Nov. 17; Sp. p. 3233; Gaz. vol. 137; p. 586.
 Clock, Electric secondary. H. B. McCabe. No. 904,001; Nov. 17; Sp. p. 2972; Gaz. vol. 137; p. 543.
 Clock, Electric signaling-. H. S. Prentiss. No. 879,410; Feb. 18; Sp. p. 3118; Dr. pp. 648-9; Gaz. vol. 132; p. 1418.
 Clock, Electrically-controlled secondary. S. P. Thrasher. No. 908,428; Dec. 29; Sp. p. 6624; Gaz. vol. 137; p. 2189.
 Clock, Electrically-operated. H. Gillette. No. 880,209; Feb. 25; Sp. p. 4786; Dr. pp. 1013-14; Gaz. vol. 132; p. 1712.
 Clock, Electrically-operated. D. Sandretto. No. 886,157; Apr. 28; Sp. p. 5120; Dr. p. 1076; Gaz. vol. 133; p. 2090.
 Clock, Flash-light electrical alarm and bank and call. A. Y. Jansen. No. 882,320; Mar. 17; Sp. p. 3666; Dr. p. 778; Gaz. vol. 133; p. 661.
 Clock, Graphophone-. C. W. Henrich. No. 883,111; Mar. 24; Sp. p. 5194; Dr. pp. 1109-10; Gaz. vol. 133; p. 952.
 Clock, Illuminated alarm-. F. Ischer. No. 893,506; July 14; Sp. p. 2277; Dr. p. 478; Gaz. vol. 135; p. 399.
 Clock key and securing device therefor, Watchman's-. A. A. Newman. No. 878,739; Feb. 11; Sp. p. 1791; Dr. p. 371; Gaz. vol. 132; p. 1161.
 Clock key and securing device therefor, Watchman's-. A. A. Newman. No. 878,740; Feb. 11; Sp. p. 1792; Dr. p. 372; Gaz. vol. 132; p. 1161.
 Clock marking device, Watchman's-. A. A. Newman. No. 878,741; Feb. 11; Sp. p. 1793; Dr. p. 372; Gaz. vol. 132; p. 1161.
 Clock marking device, Watchman's-. A. A. Newman. No. 878,742; Feb. 11; Sp. p. 1794; Dr. p. 372; Gaz. vol. 132; p. 1162.
 Clock mechanism, Electric. G. H. Rupley. No. 897,019; Aug. 25; Sp. p. 4534; Dr. p. 970; Gaz. vol. 135; p. 1697.
 Clock-movement. G. J. B., and E. W. Sylvan. No. 884,961; Apr. 14; Sp. p. 2642; Dr. p. 561; Gaz. vol. 133; p. 1640.
 Clock-movement. G. J. B., and E. W. Sylvan. No. 888,271; May 19; Sp. p. 3878; Dr. pp. 816-17; Gaz. vol. 134; p. 694.
 Clock or other indicator. F. de Liñan y Tavira. No. 887,257; May 12; Sp. p. 1833; Dr. p. 367; Gaz. vol. 134; p. 328.
 Clock or watch indicator. A. E. Aeschlimann. No. 904,291; Nov. 17; Sp. p. 3612; Gaz. vol. 137; p. 643.
 Clock, Portable watchman's. A. A. Beyer. No. 877,546; Jan. 28; Sp. p. 3835; Dr. pp. 829-30; Gaz. vol. 132; p. 710.
 Clock, Process alarm-. W. J. Latchford. No. 880,675; Mar. 3; Sp. p. 368; Dr. p. 81; Gaz. vol. 133; p. 65.
 Clock, Recording-. A. Kopekin. No. 896,119; Aug. 18; Sp. p. 2672; Dr. p. 577; Gaz. vol. 135; p. 1380.
 Clock, Repeating-alarm. W. D. Davies. No. 881,555; Mar. 10; Sp. p. 2110; Dr. p. 461; Gaz. vol. 133; p. 384.
 Clock, Repeating-alarm. J. W. Morway. No. 885,359; Apr. 21; Sp. p. 3492; Dr. p. 728; Gaz. vol. 133; p. 1804.
 Clock repeating mechanism. C. Müller and C. Kramer. No. 888,836; May 26; Sp. p. 5070; Dr. p. 1082; Gaz. vol. 134; p. 910.
 Clock, Secondary electric. G. B. Bowell. No. 882,186; Mar. 17; Sp. p. 3409; Dr. p. 724; Gaz. vol. 133; p. 617.
 Clock, Secondary electric. F. F. Landis. No. 895,772; Aug. 11; Sp. p. 1990; Dr. p. 421; Gaz. vol. 135; p. 1246.
 Clock, Self-winding. H. S. Prentiss. No. 879,411; Feb. 18; Sp. p. 3121; Dr. p. 649; Gaz. vol. 132; p. 1419.
 Clock, Ship's-bell. P. Lux. No. 892,067; June 30; Sp. p. 5855; Dr. p. 1260; Gaz. vol. 134; p. 2118.
 Clock, Watchman's. A. A. Newman. No. 876,655; Jan. 14; Sp. p. 2008; Dr. p. 437; Gaz. vol. 132; p. 356.
 Clock, Watchman's. A. A. Newman. No. 885,366; Apr. 21; Sp. p. 3507; Dr. p. 732; Gaz. vol. 133; p. 1807.
 Clock winding mechanism, Electric. A. Trike. No. 879,697; Feb. 18; Sp. p. 3722; Dr. p. 781; Gaz. vol. 132; p. 1511.
 Clock winding mechanism, Electric. G. H. Rupley. No. 897,020; Aug. 25; Sp. p. 4538; Dr. p. 970; Gaz. vol. 135; p. 1697.
 Clock with alarm and music attachment. V. M. A. Bogaert. No. 904,929; Nov. 24; Sp. p. 4948; Gaz. vol. 137; p. 883.
 Clocks and other devices, Bell-chime for. W. H. Hoschke. No. 879,170; Feb. 18; Sp. p. 2640; Dr. pp. 550-1; Gaz. vol. 132; p. 1341.
 Clocks and the like, Portable case for. W. H. Slattery. No. 900,317; Oct. 6; Sp. p. 526; Dr. p. 109; Gaz. vol. 136; p. 1154.
 Clocks and the like, Striking mechanism for. J. P. L. Lindström. No. 900,399; Oct. 6; Sp. p. 689; Dr. p. 142; Gaz. vol. 136; p. 1181.
 Clocks and watches, Adjustable escapement for. W. W. and W. R. Dudley. No. 876,153; Jan. 7; Sp. p. 913; Dr. p. 197; Gaz. vol. 132; p. 155.
 Clocks and watches, Electrical apparatus for timing. W. E. Porter. No. 906,926; Dec. 15; Sp. p. 3498; Gaz. vol. 137; p. 1623.
 Clocks, Electric-alarm attachment for. C. Goldsmith. No. 877,501; Jan. 28; Sp. p. 3728; Dr. pp. 806-7; Gaz. vol. 132; p. 694.
 Clocks, Electrical appliance for. H. O. Swedberg and A. T. Durbin. No. 879,924; Feb. 25; Sp. p. 4229; Dr. pp. 883-4; Gaz. vol. 132; p. 1621.
 Clocks, Marking device for watchmen's. A. A. Newman. No. 889,393; June 2; Sp. p. 411; Dr. p. 97; Gaz. vol. 134; p. 1123.
 Clocks, Program attachment for. J. W. Hansen. No. 900,529; Oct. 6; Sp. p. 984; Dr. pp. 200-1; Gaz. vol. 136; p. 1223.
 Clod-crusher. D. Lumsden. No. 878,887; Feb. 11; Sp. p. 2073; Dr. p. 431; Gaz. vol. 132; p. 1208.
 Clod-crusher. H. H. Butler and R. Decker. No. 882,295; Mar. 17; Sp. p. 3617; Dr. p. 767; Gaz. vol. 133; p. 652.
 Clod-crusher. E. C. Bandle. No. 889,090; May 26; Sp. p. 5558; Dr. p. 1181; Gaz. vol. 134; p. 992.
 Clod-crusher. L. H. Smith. No. 907,903; Dec. 29; Sp. p. 5512; Gaz. vol. 137; p. 2010.
 Closet. *See* Antifreezing closet; Built-in closet; Dry closet; Latrine-closet; Water-closet.
 Closet. C. Kelley. No. 898,225; Sept. 8; Sp. p. 2027; Dr. pp. 429-30; Gaz. vol. 136; p. 349.

Alphabetical list of inventions—Continued.

- Closet-bowl. G. W. Palmer and F. E. Pierce. No. 881,333; Mar. 10; Sp. p. 1676; Dr. p. 361; Gaz. vol. 133; p. 312.
 Closet-cistern, Automatic. J. H. Brady. No. 901,587; Oct. 20; Sp. p. 3190; Dr. p. 650; Gaz. vol. 136; p. 1633.
 Closet connection. G. M. McCloskey. No. 902,897; Nov. 3; Sp. p. 747; Gaz. vol. 137; p. 123.
 Closet flushing and ventilating means. J. J. Shtuchka. No. 904,653; Nov. 24; Sp. p. 4354; Gaz. vol. 137; p. 791.
 Closet-flushing apparatus. R. Stieckorn. No. 880,594; Mar. 3; Sp. p. 220; Dr. p. 46; Gaz. vol. 133; p. 38.
 Closet-flushing valve. W. Kelly. No. 878,535; Feb. 11; Sp. p. 1367; Dr. p. 280; Gaz. vol. 132; p. 1094.
 Closet-seat. A. J. Martin and M. A. Grandpre. No. 903,595; Nov. 10; Sp. p. 2135; Gaz. vol. 137; p. 379.
 Closet-seat. S. L. Eastburn and R. C. Reeves, Jr. No. 904,053; Nov. 17; Sp. p. 3079; Gaz. vol. 137; p. 560.
 Closet-seat. M. Bach. No. 908,374; Dec. 29; Sp. p. 6509; Gaz. vol. 137; p. 2170.
 Closet-seat hinge. J. H. Davis. No. 935,995; Dec. 8; Sp. p. 1745; Gaz. vol. 137; p. 1239.
 Closet-tank. L. Lindenberg. No. 907,354; Dec. 22; Sp. p. 4402; Gaz. vol. 137; p. 1810.
 Closing box. J. M. Walcutt. No. 893,040; July 14; Sp. p. 1328; Dr. p. 280; Gaz. vol. 135; p. 247.
 Closing box. J. M. Walcutt. No. 896,779; Aug. 25; Sp. p. 3989; Dr. p. 858; Gaz. vol. 135; p. 1616.
 Closure. C. B. Stillwell. No. 877,805; Jan. 28; Sp. p. 4306; Dr. p. 935; Gaz. vol. 132; p. 791.
 Closure. W. F. Fleming. No. 881,067; Mar. 3; Sp. p. 1144; Dr. p. 248; Gaz. vol. 133; p. 195.
 Closure. P. J. Sweeney. No. 892,466; July 7; Sp. p. 149; Dr. p. 32; Gaz. vol. 135; p. 30.
 Closure. W. R. Comings. No. 905,652; Dec. 1; Sp. p. 1079; Gaz. vol. 137; p. 1157.
 Cloth. G. Moss. No. 882,832; Mar. 24; Sp. p. 4657; Dr. p. 991; Gaz. vol. 133; p. 861.
 Cloth and the like, Automatic machine for folding. A. Bendien. No. 883,687; Apr. 7; Sp. p. 7; Dr. pp. 2-3; Gaz. vol. 133; p. 1196.
 Cloth-beams, Smoothing device for. R. Rosendale. No. 887,428; May 12; Sp. p. 2245; Dr. p. 470; Gaz. vol. 134; p. 388.
 Cloth-cutter for counters. J. Durr and O. Bergmann. No. 879,153; Feb. 18; Sp. p. 2597; Dr. p. 541; Gaz. vol. 132; p. 1334.
 Cloth-cutting machine. G. Scott. No. 888,755; May 26; Sp. p. 4371; Dr. p. 1038; Gaz. vol. 134; p. 883.
 Cloth-cutting machine. A. Spielman. No. 892,460; July 7; Sp. p. 139; Dr. p. 30; Gaz. vol. 135; p. 27.
 Cloth-cutting machine. C. F. Mitchell and J. L. Barker. No. 905,207; Dec. 1; Sp. p. 172; Gaz. vol. 137; p. 1011.
 Cloth-cutting-machine base. J. B. Gury. No. 901,439; Oct. 20; Sp. p. 2871; Dr. p. 586; Gaz. vol. 136; p. 1584.
 Cloth-finishing machine. T. B. Kazanjian. No. 889,851; June 2; Sp. p. 1282; Dr. p. 294; Gaz. vol. 134; p. 1268.
 Cloth, laces, &c. Automatic recording and measuring machine for. C. B. Ferro and A. K. Hatteberg. No. 895,547; Aug. 11; Sp. p. 1552; Dr. pp. 327-8; Gaz. vol. 135; p. 1174.
 Cloth-layer. T. S. Johnson. No. 879,551; Feb. 18; Sp. p. 3314; Dr. p. 715; Gaz. vol. 132; p. 1464.
 Cloth, Machine for extracting liquid from. E. Gessner. No. 883,536; Mar. 31; Sp. p. 6104; Dr. pp. 1238-9; Gaz. vol. 133; p. 1120.
 Cloth-marker. W. F. Keller. No. 893,518; July 14; Sp. p. 2294; Dr. p. 481; Gaz. vol. 135; p. 402.
 Cloth opener, spreader, and guider. A. Birch. No. 882,515; Mar. 17; Sp. p. 4008; Dr. p. 857; Gaz. vol. 133; p. 725.
 Cloth-pressing machine, Rotary. G. W. Voelker. No. 893,956; July 21; Sp. p. 3282; Dr. p. 675; Gaz. vol. 135; p. 577.
 Cloth-refinishing device. C. Keck. No. 877,086; Jan. 21; Sp. p. 2377; Dr. p. 621; Gaz. vol. 132; p. 536.
 Cloth rolls, Machine for winding and cutting. A. L. Adams. No. 878,705; Feb. 11; Sp. p. 1728; Dr. p. 357-8; Gaz. vol. 132; p. 1150.
 Cloth shrinking and drying machine. W. G. Gottschall. No. 887,788; May 19; Sp. p. 2956; Dr. p. 622; Gaz. vol. 134; p. 577.
 Cloth-stentering-machine clip. A. A. Whitley. No. 903,144; Nov. 3; Sp. p. 1213; Gaz. vol. 137; p. 199.
 Cloth-winding board. E. Carraine. No. 880,276; Feb. 25; Sp. p. 4928; Dr. p. 1043; Gaz. vol. 132; p. 1735.
 Cloth winding machine. E. W. Blythe. No. 883,690; Apr. 7; Sp. p. 13; Dr. p. 3; Gaz. vol. 133; p. 1197.
 Clothes and clothes-pin receptacle, Combined. W. H. Carpenter. No. 898,315; Sept. 8; Sp. p. 2179; Dr. p. 462; Gaz. vol. 136; p. 377.
 Clothes-bar. J. S. Bowen. No. 891,228; June 23; Sp. p. 4142; Dr. p. 906; Gaz. vol. 134; p. 1812.
 Clothes-beating apparatus. F. Wallerstein. No. 881,978; Mar. 17; Sp. p. 2985; Dr. pp. 635-6; Gaz. vol. 133; p. 550.
 Clothes-drier. J. R. Schmieder. No. 879,799; Feb. 18; Sp. p. 3908; Dr. p. 819; Gaz. vol. 132; p. 1544.
 Clothes-drier. M. B. Fitts. No. 881,784; Mar. 10; Sp. p. 2558; Dr. p. 549; Gaz. vol. 133; p. 457.
 Clothes-drier. M. F. Peterson. No. 882,960; Mar. 24; Sp. p. 4920; Dr. pp. 1043-4; Gaz. vol. 133; p. 905.
 Clothes-drier. W. Scully. No. 883,053; Mar. 24; Sp. p. 5083; Dr. pp. 1084-5; Gaz. vol. 133; p. 933.
 Clothes-drier. A. Baecker. No. 883,162; Mar. 31; Sp. p. 5319; Dr. p. 1135; Gaz. vol. 133; p. 999.
 Clothes-drier. J. Heggen. No. 893,167; July 14; Sp. p. 1586; Dr. p. 336; Gaz. vol. 135; p. 288.
 Clothes-drier. J. Lowendahl. No. 903,593; Nov. 10; Sp. p. 2131; Gaz. vol. 137; p. 378.
 Clothes-drier. L. Duncan. No. 904,319; Nov. 17; Sp. p. 3677; Gaz. vol. 137; p. 634.
 Clothes-drier. H. W. Lamp. No. 904,970; Nov. 24; Sp. p. 5023; Gaz. vol. 137; p. 896.
 Clothes-drier. W. H. Tidland. No. 906,964; Dec. 15; Sp. p. 3565; Gaz. vol. 137; p. 1635.
 Clothes-drier. S. O. Bestul. No. 907,956; Dec. 29; Sp. p. 5026; Gaz. vol. 137; p. 2027.
 Clothes-drying apparatus. J. M. Lemon. No. 898,051; Sept. 8; Sp. p. 1679; Dr. p. 356; Gaz. vol. 135; p. 294.
 Clothes-drying machine. S. B. Dane. No. 873,777; Feb. 11; Sp. p. 1372; Dr. p. 336; Gaz. vol. 132; p. 1174.
 Clothes-drying reel. W. J. Coulter. No. 877,985; Feb. 4; Sp. p. 176; Dr. p. 39; Gaz. vol. 132; p. 878.
 Clothes-fastener. L. Risley. No. 889,548; June 2; Sp. p. 717; Dr. p. 165; Gaz. vol. 134; p. 1172.
 Clothes-guard. B. J. Simpson. No. 900,220; Oct. 6; Sp. p. 307; Dr. p. 62; Gaz. vol. 136; p. 1122.
 Clothes-hanger. A. J. Butler. No. 877,047; Jan. 21; Sp. p. 2815; Dr. p. 609; Gaz. vol. 132; p. 525.
 Clothes-hanger. T. M. Anderson. No. 886,917; May 5; Sp. p. 1162; Dr. p. 244; Gaz. vol. 134; p. 191.
 Clothes-hanger. C. Cook. No. 888,697; May 26; Sp. p. 4771; Dr. p. 1015; Gaz. vol. 134; p. 866.
 Clothes-hanger. R. Blum. No. 895,615; Aug. 11; Sp. p. 1680; Dr. p. 355; Gaz. vol. 135; p. 1195.
 Clothes-hanger. E. Montgomery. No. 896,139; Aug. 18; Sp. p. 2701; Dr. p. 583; Gaz. vol. 135; p. 1385.
 Clothes-hanger. L. Fadum. No. 898,455; Sept. 15; Sp. p. 2459; Dr. p. 526; Gaz. vol. 136; p. 456.
 Clothes-hanger. W. J. Thompson. No. 906,963; Dec. 15; Sp. p. 3563; Gaz. vol. 137; p. 1635.
 Clothes-hanger. J. G. Madland. No. 908,290; Dec. 29; Sp. p. 6321; Gaz. vol. 137; p. 2139.
 Clothes-hanger, Automatic folding. M. H. Cazier and A. P. Dike. No. 890,023; June 9; Sp. p. 1656; Dr. p. 368; Gaz. vol. 134; p. 1353.
 Clothes-hanging clip. A. Schöning. No. 894,908; Aug. 4; Sp. p. 242; Dr. p. 52; Gaz. vol. 135; p. 937.
 Clothes-holder. S. S. Smith. No. 887,134; May 12; Sp. p. 1580; Dr. p. 335; Gaz. vol. 134; p. 290.
 Clothes-hook. L. Julig. No. 884,165; Apr. 7; Sp. p. 1051; Dr. p. 219; Gaz. vol. 133; p. 1354.
 Clothes-line. D. L. Lash and C. P. Mock. No. 879,390; Feb. 18; Sp. p. 3034; Dr. p. 637; Gaz. vol. 132; p. 1410.
 Clothes-line. A. J. Bryant. No. 893,702; July 21; Sp. p. 2680; Dr. p. 592; Gaz. vol. 135; p. 492.
 Clothes line and pin. C. Patterson. No. 903,402; Nov. 10; Sp. p. 1719; Gaz. vol. 137; p. 314.
 Clothes-line clamp. W. Mullin. No. 882,408; Mar. 17; Sp. p. 3813; Dr. p. 815; Gaz. vol. 133; p. 639.
 Clothes-line fastener. J. G. Schleiter. No. 899,566; Sept. 29; Sp. p. 4594; Dr. p. 987; Gaz. vol. 136; p. 880.
 Clothes-line fastener. A. Olson. No. 900,879; Oct. 13; Sp. p. 1725; Dr. p. 349; Gaz. vol. 135; p. 1364.
 Clothes-line holder. D. C. McMarlin. No. 876,221; Jan. 7; Sp. p. 1047; Dr. p. 226; Gaz. vol. 132; p. 176.
 Clothes-line holder. C. W. Radoll. No. 883,668; Mar. 31; Sp. p. 6366; Dr. p. 1357; Gaz. vol. 133; p. 1161.
 Clothes-line holder. J. Huth. No. 899,166; Sept. 22; Sp. p. 3806; Dr. p. 814; Gaz. vol. 136; p. 714.
 Clothes-line holder. J. C. R. Steirly. No. 900,608; Oct. 6; Sp. p. 1158; Dr. p. 236; Gaz. vol. 136; p. 1250.
 Clothes-line prop. D. McDougall. No. 878,415; Feb. 4; Sp. p. 1049; Dr. p. 212; Gaz. vol. 132; p. 1020.
 Clothes-line prop. D. McDougall. No. 878,416; Feb. 4; Sp. p. 1051; Dr. p. 212; Gaz. vol. 132; p. 1021.
 Clothes-line prop. D. McDougall. No. 880,748; Mar. 3; Sp. p. 528; Dr. p. 110; Gaz. vol. 133; p. 91.
 Clothes-line prop. I. P. Steed. No. 907,094; Dec. 15; Sp. p. 3790; Gaz. vol. 137; p. 1675.
 Clothes-line reel. O. C. Claypool. No. 875,778; Jan. 7; Sp. p. 199; Dr. p. 43; Gaz. vol. 132; p. 36.
 Clothes-line reel. L. Holle. No. 873,394; Feb. 4; Sp. p. 1004; Dr. p. 203; Gaz. vol. 132; p. 1014.
 Clothes-line reel. H. Canney. No. 881,772; Mar. 10; Sp. p. 2533; Dr. pp. 545-6; Gaz. vol. 133; p. 452.
 Clothes-line reel. E. F. Wrench. No. 885,210; Apr. 21; Sp. p. 3190; Dr. p. 667; Gaz. vol. 133; p. 1755.
 Clothes-line reel. T. Renaud. No. 887,522; May 12; Sp. p. 2440; Dr. p. 514; Gaz. vol. 134; p. 419.
 Clothes-line reel. C. H. Bailey. No. 892,349; June 30; Sp. p. 6393; Dr. p. 1380; Gaz. vol. 134; p. 2212.
 Clothes-line reel. G. P. Kinkennon. No. 896,641; Aug. 18; Sp. p. 3690; Dr. p. 793; Gaz. vol. 135; p. 1548.
 Clothes-line reel. E. E. Blackledge and J. Chaplin. No. 900,823; Oct. 13; Sp. p. 1608; Dr. p. 323; Gaz. vol. 136; p. 1347.
 Clothes-line reel and stretcher. C. S. Sears. No. 896,765; Aug. 25; Sp. p. 3960; Dr. pp. 852-3; Gaz. vol. 135; p. 1611.
 Clothes-line-reeling device. C. E. Balbach. No. 889,888; June 9; Sp. p. 1380; Dr. p. 313; Gaz. vol. 134; p. 1306.
 Clothes-line sheave. C. Bourque. No. 906,999; Dec. 15; Sp. p. 3625; Gaz. vol. 137; p. 1645.
 Clothes-line support. H. Morris. No. 877,941; Feb. 4; Sp. p. 96; Dr. p. 22; Gaz. vol. 132; p. 864.
 Clothes-line support. A. Malsin. No. 893,633; July 21; Sp. p. 2560; Dr. p. 534; Gaz. vol. 135; p. 470.
 Clothes-line support, Extensible. A. Mackenzie and T. M. Norton. No. 880,031; Feb. 25; Sp. p. 4426; Dr. p. 929; Gaz. vol. 132; p. 1654.
 Clothes-line supporter. J. N. Gassett. No. 893,917; July 21; Sp. p. 3207; Dr. p. 660; Gaz. vol. 135; p. 564.
 Clothes-peg. C. Ehlers. No. 904,249; Nov. 17; Sp. p. 3516; Gaz. vol. 137; p. 629.
 Clothes-pin. A. M. Harris and M. A. Williams. No. 878,727; Feb. 11; Sp. p. 1773; Dr. p. 366; Gaz. vol. 132; p. 1153.
 Clothes-pin. F. H. Perry. No. 880,819; Mar. 3; Sp. p. 669; Dr. p. 141; Gaz. vol. 133; p. 115.
 Clothes-pin. A. Stratton. No. 883,060; Mar. 24; Sp. p. 5098; Dr. p. 1088; Gaz. vol. 133; p. 935.

Alphabetical list of inventions—Continued.

- Clothes-pin. F. F. Pecor. No. 883,667; Mar. 31; Sp. p. 6365; Dr. p. 1357; Gaz. vol. 133; p. 1161.
 Clothes-pin. F. V. Polakoskey. No. 884,680; Apr. 14; Sp. p. 2083; Dr. p. 445; Gaz. vol. 133; p. 1550.
 Clothes-pin. W. A. Pugh. No. 886,245; Apr. 28; Sp. p. 5272; Dr. p. 1110; Gaz. vol. 133; p. 2119.
 Clothes-pin. G. F. Brock. No. 887,719; May 12; Sp. p. 2795; Dr. p. 590; Gaz. vol. 134; p. 485.
 Clothes-pin. I. Barmore. No. 904,595; Nov. 24; Sp. p. 4230; Gaz. vol. 137; p. 771.
 Clothes-pin. E. D. Tichenor. No. 907,652; Dec. 22; Sp. p. 4983; Gaz. vol. 137; p. 1897.
 Clothes-pin bag, Slidable and collapsible. C. E. Hinman. No. 906,713; Dec. 15; Sp. p. 3079; Gaz. vol. 137; p. 1555.
 Clothes-pin pole. D. G. De Milt. No. 878,943; Feb. 11; Sp. p. 2184; Dr. p. 456; Gaz. vol. 132; p. 1226.
 Clothes-pounder. H. L. Crooker. No. 878,190; Feb. 4; Sp. p. 619; Dr. p. 127; Gaz. vol. 132; p. 946.
 Clothes-pounder. W. C. and J. W. Perry. No. 879,313; Feb. 18; Sp. p. 2913; Dr. p. 607; Gaz. vol. 132; p. 1387.
 Clothes-pounder. G. E. Norris. No. 881,707; Mar. 10; Sp. p. 2427; Dr. p. 522; Gaz. vol. 133; p. 432.
 Clothes-pounder. J. H. Bowling. No. 886,675; May 5; Sp. p. 669; Dr. p. 139; Gaz. vol. 134; p. 114.
 Clothes-pounder. F. L. Guenther. No. 887,626; May 12; Sp. p. 2624; Dr. p. 553; Gaz. vol. 134; p. 452.
 Clothes press or cabinet. N. Burns. No. 888,463; May 26; Sp. p. 4281; Dr. p. 906; Gaz. vol. 134; p. 786.
 Clothes presser and hanger. L. Albert. No. 900,051; Sept. 29; Sp. p. 5636; Dr. p. 1203; Gaz. vol. 136; p. 1037.
 Clothes pressing and cleaning apparatus. A. J. Hoffman. No. 897,832; Sept. 1; Sp. p. 1202; Dr. pp. 256-7; Gaz. vol. 136; p. 191.
 Clothes-pressing machine. J. B. Replogle. No. 882,841; Mar. 24; Sp. p. 4670; Dr. pp. 993-4; Gaz. vol. 133; p. 864.
 Clothes-rack. H. C. Teipel. No. 882,277; Mar. 17; Sp. p. 3589; Dr. p. 761; Gaz. vol. 133; p. 646.
 Clothes-rack. J. B. Baum. No. 895,329; Aug. 4; Sp. p. 1117; Dr. p. 235; Gaz. vol. 135; p. 1079.
 Clothes-rack. J. E. Morris. No. 896,849; Aug. 25; Sp. p. 4154; Dr. p. 890; Gaz. vol. 135; p. 1641.
 Clothes-sprinkler. D. A. McClelland. No. 883,331; Mar. 31; Sp. p. 5658; Dr. p. 1207; Gaz. vol. 133; p. 1054.
 Clothes-tongs. D. F. Porter. No. 892,008; June 30; Sp. p. 5752; Dr. p. 1236; Gaz. vol. 134; p. 2100.
 Clothes-washer. S. T. Black. No. 903,661; Nov. 10; Sp. p. 2261; Gaz. vol. 137; p. 399.
 Clothes-washer. G. B. Wilson. No. 904,242; Nov. 17; Sp. p. 3502; Gaz. vol. 137; p. 626.
 Clothes washer and drier. F. A. Dinsmore. No. 886,358; May 5; Sp. p. 34; Dr. p. 7; Gaz. vol. 134; p. 9.
 Clothing-carrier, Extension. N. F. Purcell. No. 894,231; July 28; Sp. p. 3873; Dr. p. 802; Gaz. vol. 135; p. 688.
 Clothing receptacle and hanger. J. W. Gilmore. No. 890,136; June 9; Sp. p. 1882; Dr. pp. 416-17; Gaz. vol. 134; p. 1390.
 Clothing-support. W. Seydel. No. 901,652; Oct. 20; Sp. p. 3310; Dr. p. 680; Gaz. vol. 136; p. 1652.
 Clover-buncher bottom. J. K. Sharpe. Jr. No. 901,491; Oct. 20; Sp. p. 300; Dr. p. 613; Gaz. vol. 136; p. 1601.
 Clutch. C. B. King. No. 877,437; Jan. 21; Sp. p. 3590; Dr. p. 778; Gaz. vol. 132; p. 653.
 Clutch. O. Anderson. No. 878,177; Feb. 4; Sp. p. 600; Dr. p. 123-4; Gaz. vol. 132; p. 942.
 Clutch. F. Starr. No. 879,016; Feb. 11; Sp. p. 2313; Dr. p. 483; Gaz. vol. 132; p. 1248.
 Clutch. A. S. F. Robinson. No. 881,028; Mar. 3; Sp. p. 1074; Dr. pp. 233-4; Gaz. vol. 133; p. 183.
 Clutch. T. B. Rice, Jr. No. 882,911; Mar. 24; Sp. p. 4822; Dr. p. 1024; Gaz. vol. 133; p. 887.
 Clutch. D. S. Oakley. No. 885,075; Apr. 21; Sp. p. 2870; Dr. p. 609; Gaz. vol. 133; p. 1709.
 Clutch. H. M. Russell, Jr. No. 885,086; Apr. 21; Sp. p. 2892; Dr. p. 613; Gaz. vol. 133; p. 1713.
 Clutch. C. N. Frey. No. 885,335; Apr. 21; Sp. p. 3440; Dr. p. 718; Gaz. vol. 133; p. 1796.
 Clutch. H. Haerlein. No. 886,600; May 5; Sp. p. 509; Dr. pp. 109-10; Gaz. vol. 134; p. 91.
 Clutch. A. W. Wigglesworth. No. 886,667; May 5; Sp. p. 650; Dr. pp. 135-6; Gaz. vol. 134; p. 112.
 Clutch. L. E. Fuller. No. 888,078; May 19; Sp. p. 3515; Dr. p. 735; Gaz. vol. 134; p. 630.
 Clutch. J. E. Wilcox. No. 890,206; June 9; Sp. p. 2027; Dr. p. 446; Gaz. vol. 134; p. 1414.
 Clutch. J. G. Heaslet. No. 891,475; June 23; Sp. p. 4651; Dr. p. 1008; Gaz. vol. 134; p. 1893.
 Clutch. T. G. Morse. No. 892,868; July 7; Sp. p. 951; Dr. p. 200; Gaz. vol. 135; p. 159.
 Clutch. D. E. Dolson and E. R. Pease. No. 894,426; July 28; Sp. p. 4298; Dr. pp. 886-7; Gaz. vol. 135; p. 753.
 Clutch. A. Bornefeld. No. 895,152; Aug. 4; Sp. p. 743; Dr. p. 155; Gaz. vol. 135; p. 1018.
 Clutch. H. Ast. No. 899,822; Sept. 29; Sp. p. 5134; Dr. p. 1098; Gaz. vol. 136; p. 963.
 Clutch. W. M. Ammerman. No. 900,052; Sept. 29; Sp. p. 5638; Dr. p. 1204; Gaz. vol. 136; p. 1037.
 Clutch. F. M. Nichols. No. 900,578; Oct. 6; Sp. p. 1085; Dr. p. 222; Gaz. vol. 136; p. 1240.
 Clutch. L. Wirtz. No. 901,408; Oct. 20; Sp. p. 2801; Dr. p. 571; Gaz. vol. 136; p. 1573.
 Clutch. F. M. Frather. No. 902,761; Nov. 3; Sp. p. 447; Gaz. vol. 137; p. 77.
 Clutch. C. W. Pradeau. No. 902,999; Nov. 3; Sp. p. 946; Gaz. vol. 137; p. 156.
 Clutch. E. E. Norton. No. 903,493; Nov. 10; Sp. p. 1921; Gaz. vol. 137; p. 345.
 Clutch. C. T. Painter. No. 904,358; Nov. 17; Sp. p. 3740; Gaz. vol. 137; p. 665.
 Clutch. H. H. Taylor. No. 904,463; Nov. 17; Sp. p. 3951; Gaz. vol. 137; p. 700.
 Clutch. J. C. and W. J. Pope. No. 905,097; Nov. 24; Sp. p. 5270; Gaz. vol. 137; p. 939.
 Clutch. J. F. Dorfmeil. No. 905,156; Dec. 1; Sp. p. 65; Gaz. vol. 137; p. 993.
 Clutch. O. R. Mitchell. No. 905,209; Dec. 1; Sp. p. 175; Gaz. vol. 137; p. 1012.
 Clutch. O. E. Lutz. No. 906,041; Dec. 8; Sp. p. 1823; Gaz. vol. 137; p. 1313.
 Clutch. C. E. Van Auken. No. 907,541; Dec. 22; Sp. p. 4714; Gaz. vol. 137; p. 1861.
 Clutch and brake mechanism, Ratchet. J. M. Daly. No. 902,805; Nov. 3; Sp. p. 522; Gaz. vol. 137; p. 91.
 Clutch and clutch-operating mechanism. J. D. Maxwell. No. 905,446; Dec. 1; Sp. p. 676; Gaz. vol. 137; p. 1092.
 Clutch and operating means therefor. A. E. Holcomb. No. 903,858; Nov. 17; Sp. p. 2662; Gaz. vol. 137; p. 494.
 Clutch-centering mechanism. F. Niessner. No. 901,729; Oct. 20; Sp. p. 3510; Dr. p. 710; Gaz. vol. 136; p. 1680.
 Clutch, Combined friction and jaw. C. J. Widmer. No. 905,260; Dec. 1; Sp. p. 271; Gaz. vol. 137; p. 1029.
 Clutch, Combined friction and jaw. C. S. Hook. No. 907,051; Dec. 15; Sp. p. 3714; Gaz. vol. 137; p. 1662.
 Clutch, Driving-. A. P. Morrow. No. 905,343; Dec. 1; Sp. p. 422; Gaz. vol. 137; p. 1055.
 Clutch driving device. J. M. Daly. No. 889,297; June 2; Sp. p. 206; Dr. p. 52; Gaz. vol. 134; p. 1091.
 Clutch, Electromagnetic. H. Ast. No. 880,266; Feb. 25; Sp. p. 4909; Dr. pp. 1038-9; Gaz. vol. 132; p. 1732.
 Clutch, Electromagnetic. H. Ast. No. 903,945; Nov. 17; Sp. p. 2873; Gaz. vol. 137; p. 524.
 Clutch, Fluid-. W. W. Henderson. No. 879,045; Feb. 11; Sp. p. 2151; Dr. p. 491; Gaz. vol. 132; p. 1257.
 Clutch for die-presses, Non-repeating. J. L. Allen. No. 902,545; Nov. 3; Sp. p. 15; Gaz. vol. 137; p. 4.
 Clutch for feeding metal rods or bars. L. H. Brightman. No. 898,431; Sept. 15; Sp. p. 2408; Dr. p. 515; Gaz. vol. 136; p. 449.
 Clutch for hoisting-drums, Friction-. F. N. Whitcomb. No. 906,841; Dec. 15; Sp. p. 3327; Gaz. vol. 137; p. 1596.
 Clutch for reliefographs. F. H. Alling. No. 875,679; Jan. 7; Sp. p. 1; Dr. p. 1; Gaz. vol. 132; p. 3.
 Clutch for windlasses and hoisting-machines, Automatic safety-. J. B. Pruden. No. 904,226; Nov. 17; Sp. p. 3465; Gaz. vol. 137; p. 621.
 Clutch Friction-. B. M. W. Hanson. No. 876,543; Jan. 14; Sp. p. 1750; Dr. p. 330; Gaz. vol. 132; p. 317.
 Clutch Friction-. J. Cailliet. No. 877,405; Jan. 21; Sp. p. 3527; Dr. p. 764; Gaz. vol. 132; p. 642.
 Clutch, Friction-. W. H. Corbett. No. 877,489; Jan. 28; Sp. p. 3691; Dr. p. 800; Gaz. vol. 132; p. 690.
 Clutch, Friction-. C. R. Greuter. No. 879,100; Feb. 11; Sp. p. 2452; Dr. p. 517; Gaz. vol. 132; p. 1274.
 Clutch, Friction-. J. Fuchs. No. 879,862; Feb. 25; Sp. p. 4081; Dr. p. 856; Gaz. vol. 132; p. 1598.
 Clutch, Friction-. E. Lehmann. No. 880,083; Feb. 25; Sp. p. 4536; Dr. p. 955; Gaz. vol. 132; p. 1671.
 Clutch, Friction-. A. L. Herkenhoff. No. 880,528; Mar. 3; Sp. p. 68; Dr. p. 16; Gaz. vol. 133; p. 15.
 Clutch, Friction-. W. J. Hillard. No. 880,664; Mar. 3; Sp. p. 349; Dr. p. 17; Gaz. vol. 133; p. 61.
 Clutch, Friction-. L. E. Warren and A. Anderson. No. 881,510; Mar. 10; Sp. p. 2028; Dr. p. 442; Gaz. vol. 133; p. 369.
 Clutch, Friction-. F. A. Colwell. No. 882,187; Mar. 17; Sp. p. 3410; Dr. p. 725; Gaz. vol. 133; p. 617.
 Clutch, Friction-. T. C. Dexter. No. 882,299; Mar. 17; Sp. p. 3622; Dr. p. 769; Gaz. vol. 133; p. 653.
 Clutch, Friction-. A. Kingsbury. No. 882,693; Mar. 24; Sp. p. 4573; Dr. p. 931; Gaz. vol. 133; p. 816.
 Clutch, Friction-. H. Lutz. No. 883,658; Mar. 31; Sp. p. 6347; Dr. pp. 1352-3; Gaz. vol. 133; p. 1158.
 Clutch, Friction-. V. M. Moore. No. 883,732; Apr. 7; Sp. p. 104; Dr. p. 18; Gaz. vol. 133; p. 1210.
 Clutch, Friction-. A. and G. A. Schwehr. No. 884,766; Apr. 14; Sp. p. 2265; Dr. p. 476; Gaz. vol. 133; p. 1580.
 Clutch, Friction-. W. Common. No. 885,323; Apr. 21; Sp. p. 3415; Dr. p. 714; Gaz. vol. 133; p. 1793.
 Clutch, Friction-. F. Maxant. No. 885,938; Apr. 28; Sp. p. 4676; Dr. p. 985; Gaz. vol. 133; p. 2019.
 Clutch, Friction-. A. Soderling. No. 887,537; May 12; Sp. p. 2465; Dr. p. 521; Gaz. vol. 134; p. 424.
 Clutch, Friction-. F. Lucas. No. 888,244; May 19; Sp. p. 3828; Dr. p. 803; Gaz. vol. 134; p. 685.
 Clutch, Friction-. S. Bramley-Moore. No. 888,523; May 26; Sp. p. 4387; Dr. pp. 929-30; Gaz. vol. 134; p. 805.
 Clutch, Friction-. J. Fuchs. No. 888,703; May 26; Sp. p. 4779; Dr. p. 1017; Gaz. vol. 134; p. 867.
 Clutch, Friction-. E. P. Bullard, Jr. No. 891,210; June 9; Sp. p. 2034; Dr. p. 448; Gaz. vol. 134; p. 1415.
 Clutch, Friction-. E. D. Mackintosh. No. 890,672; June 16; Sp. p. 2994; Dr. p. 657; Gaz. vol. 134; p. 1597.
 Clutch, Friction-. H. R. Stacks. No. 890,810; June 16; Sp. p. 3297; Dr. p. 722; Gaz. vol. 134; p. 1644.
 Clutch, Friction-. T. W. Morgan. No. 891,280; June 23; Sp. p. 4240; Dr. p. 928; Gaz. vol. 134; p. 1828.
 Clutch, Friction-. G. Enrico. No. 891,799; June 23; Sp. p. 5317; Dr. p. 1151; Gaz. vol. 134; p. 2001.
 Clutch, Friction-. G. D. Miller. No. 892,175; June 30; Sp. p. 6066; Dr. p. 1305; Gaz. vol. 134; p. 2155.
 Clutch, Friction-. E. Bauroth. No. 894,361; July 28; Sp. p. 4152; Dr. pp. 857-8; Gaz. vol. 135; p. 731.

Alphabetical list of inventions—Continued.

- Clutch, Friction.- M. Garland. No. 895,624; Aug. 11; Sp. p. 1697; Dr. p. 360; Gaz. vol. 135; p. 1198.
 Clutch, Friction.- K. G. Johnston. No. 896,389; Aug. 18; Sp. p. 3305; Dr. p. 686; Gaz. vol. 135; p. 1466.
 Clutch, Friction.- D. F. Lopley. No. 897,909; Sept. 8; Sp. p. 1378; Dr. p. 294; Gaz. vol. 136; p. 249.
 Clutch, Friction.- H. N. Davis. No. 898,332; Sept. 8; Sp. p. 2206; Dr. p. 468; Gaz. vol. 136; p. 382.
 Clutch, Friction.- J. A. Hoenika and J. R. Triplett. No. 898,362; Sept. 8; Sp. p. 2257; Dr. p. 481; Gaz. vol. 136; p. 392.
 Clutch, Friction.- T. O. Werner. No. 898,946; Sept. 15; Sp. p. 3374; Dr. pp. 724-5; Gaz. vol. 136; p. 614.
 Clutch, Friction.- P. M. H. Lange. No. 900,397; Oct. 6; Sp. p. 686; Dr. p. 141; Gaz. vol. 136; p. 1180.
 Clutch, Friction.- M. L. Williams. No. 902,515; Oct. 27; Sp. p. 5145; Dr. p. 1042; Gaz. vol. 136; p. 1966.
 Clutch, Friction.- J. J. Zeitz. No. 906,181; Dec. 8; Sp. p. 2095; Gaz. vol. 137; p. 1359.
 Clutch, Friction.- C. E. Van Auker. No. 907,655; Dec. 22; Sp. p. 4988; Gaz. vol. 137; p. 1898.
 Clutch, Friction driving.- A. R. Le Moon. No. 880,084; Feb. 25; Sp. p. 4538; Dr. p. 955; Gaz. vol. 132; p. 1671.
 Clutch, Hydraulic. A. C. F. Dann. No. 893,455; July 14; Sp. p. 2164; Dr. p. 455; Gaz. vol. 135; p. 382.
 Clutch, Hydraulic. F. Nash. No. 895,491; Aug. 11; Sp. p. 1440; Dr. p. 302; Gaz. vol. 135; p. 1156.
 Clutch, Magnetic. T. S. Watson. No. 875,757; Jan. 7; Sp. p. 156; Dr. p. 34; Gaz. vol. 132; p. 30.
 Clutch, Magnetic. R. Anderson. No. 882,607; Mar. 24; Sp. p. 4204; Dr. p. 891; Gaz. vol. 133; p. 788.
 Clutch mechanism. R. H. Bowman. No. 876,318; Jan. 14; Sp. p. 1252; Dr. p. 272; Gaz. vol. 132; p. 240.
 Clutch mechanism. C. R. Mabley and G. E. Franquist. No. 883,553; Mar. 31; Sp. p. 6145; Dr. p. 1306; Gaz. vol. 133; p. 1125.
 Clutch mechanism. F. K. Lathrop. No. 886,004; Apr. 28; Sp. p. 4821; Dr. p. 1012; Gaz. vol. 133; p. 4042.
 Clutch mechanism. L. A. Casgrain. No. 891,907; June 30; Sp. p. 5546; Dr. p. 1196; Gaz. vol. 134; p. 2068.
 Clutch mechanism. A. J. Winegar. No. 897,044; Aug. 25; Sp. p. 4588; Dr. p. 978; Gaz. vol. 135; p. 1706.
 Clutch mechanism. H. Dock. No. 901,081; Oct. 13; Sp. p. 2125; Dr. p. 433; Gaz. vol. 136; p. 1430.
 Clutch mechanism for automobiles and the like. L. S. Chadwick. No. 899,953; Sept. 29; Sp. p. 5410; Dr. pp. 1153-4; Gaz. vol. 136; p. 1004.
 Clutch mechanism for dumb-waiters, &c. A. Svenson. No. 896,421; Aug. 18; Sp. p. 3271; Dr. p. 701; Gaz. vol. 135; p. 1478.
 Clutch mechanism for reverse-gearing. H. A. Tuttle. No. 901,854; Oct. 20; Sp. p. 2737; Dr. p. 760; Gaz. vol. 136; p. 1718.
 Clutch mechanism, Friction.- S. J. Davis. No. 885,449; Apr. 21; Sp. p. 3657; Dr. p. 767; Gaz. vol. 133; p. 1832.
 Clutch mechanism, Reversing.- F. E. Hartham. No. 899,306; Sept. 22; Sp. p. 4241; Dr. pp. 909-10; Gaz. vol. 136; p. 786.
 Clutch, One-way. F. A. Warren, Jr. No. 894,991; Aug. 4; Sp. p. 436; Dr. p. 89; Gaz. vol. 135; p. 965.
 Clutch-operating device. M. Rockstroh. No. 879,005; Feb. 11; Sp. p. 2298; Dr. p. 480; Gaz. vol. 132; p. 1245.
 Clutch-operating means. G. H. Gilbert. No. 885,604; Apr. 21; Sp. p. 3968; Dr. p. 828; Gaz. vol. 133; p. 1879.
 Clutch-operating mechanism. H. L. Turney. No. 876,600; Jan. 14; Sp. p. 1904; Dr. p. 415; Gaz. vol. 132; p. 339.
 Clutch-operating mechanism. H. L. Turney. No. 906,585; Dec. 15; Sp. p. 2845; Gaz. vol. 137; p. 1515.
 Clutch or brake. J. A. Dixon. No. 887,779; May 19; Sp. p. 2941; Dr. p. 619; Gaz. vol. 134; p. 534.
 Clutch or the like, Electrical. A. P. Steckel. No. 896,868; Aug. 25; Sp. p. 4189; Dr. p. 897; Gaz. vol. 135; p. 1647.
 Clutch, Roller.- G. M. Wilson. No. 879,993; Feb. 25; Sp. p. 4348; Dr. p. 911; Gaz. vol. 132; p. 1642.
 Clutch, Roller.- W. J. Olds. No. 897,846; Sept. 1; Sp. p. 1232; Dr. p. 264; Gaz. vol. 136; p. 195.
 Clutch, Spring.- T. D. Carter. No. 896,699; Aug. 18; Sp. p. 3812; Dr. p. 824; Gaz. vol. 135; p. 1565.
 Clutch, Starting.- J. F. Wilkinson. No. 883,266; Mar. 31; Sp. p. 55 6; Dr. pp. 1181-2; Gaz. vol. 133; p. 1034.
 Clutch-throwing mechanism. J. G. Westbrook. No. 897,330; Sept. 1; Sp. p. 155; Dr. p. 32; Gaz. vol. 136; p. 24.
 Clutch-winding arrangement, Electromagnetic.- H. Ast. No. 896,608; Aug. 18; Sp. p. 3630; Dr. p. 780; Gaz. vol. 135; p. 1538.
 Clutch, Wire.- H. Friend. No. 890,561; June 9; Sp. p. 2735; Dr. p. 605; Gaz. vol. 134; p. 1528.
 Coach, Overland steam.- R. L. Woods. No. 884,882; Apr. 14; Sp. p. 2486; Dr. p. 524; Gaz. vol. 133; p. 1616.
 Coal and ore handling machinery, &c. W. Seaton, Jr. No. 902,839; Nov. 3; Sp. p. 623; Gaz. vol. 137; p. 105.
 Coal and ore washer or concentrator. W. L. Scaife. No. 890,876; June 16; Sp. p. 3412; Dr. p. 748; Gaz. vol. 134; p. 1664.
 Coal and rock drill. H. R. Ford. No. 882,878; Mar. 24; Sp. p. 4754; Dr. p. 1011; Gaz. vol. 133; p. 876.
 Coal-bits, Machine for making. H. Bacharach. No. 880,618; Mar. 3; Sp. p. 263; Dr. pp. 55-6; Gaz. vol. 133; p. 46.
 Coal-bunker for men-of-war. H. A. Kauermann. No. 897,374; Sept. 1; Sp. p. 270; Dr. pp. 55-6; Gaz. vol. 136; p. 41.
 Coal, Burning. H. A. Poppenhusen and J. Harrington. No. 898,134; Sept. 8; Sp. p. 1343; Dr. p. 392; Gaz. vol. 136; p. 321.
 Coal, Carbonizing. W. Young and S. Glover. No. 876,420; Jan. 14; Sp. p. 1477; Dr. p. 317; Gaz. vol. 132; p. 273.
 Coal-drilling machine. J. N. Rickles. No. 877,597; Jan. 28; Sp. p. 3932; Dr. p. 850; Gaz. vol. 132; p. 726.
 Coal-dumping cage. H. O. Pearce. No. 894,523; July 28; Sp. p. 4434; Dr. p. 929; Gaz. vol. 135; p. 785.
 Coal-grinding apparatus. T. A. Edison. No. 890,625; June 16; Sp. p. 2899; Dr. pp. 636-7; Gaz. vol. 134; p. 1582.
 Coal-handling apparatus. J. E. Richards. No. 897,014; Aug. 25; Sp. p. 4525; Dr. p. 968; Gaz. vol. 135; p. 1695.
 Coal-mines and like places, Respiratory apparatus for use in. W. E. Garforth. No. 908,239; Dec. 29; Sp. p. 6240; Gaz. vol. 137; p. 2123.
 Coal, ore, &c., Apparatus for washing. A. J. Diescher. No. 876,268; Jan. 7; Sp. p. 1137; Dr. pp. 247-8; Gaz. vol. 132; p. 191.
 Coal-pocket gate. A. Suck. No. 882,804; Mar. 24; Sp. p. 4598; Dr. p. 980; Gaz. vol. 133; p. 852.
 Coal pocket or bin. G. W. Freeland. No. 894,133; July 21; Sp. p. 3653; Dr. p. 754; Gaz. vol. 135; p. 636.
 Coal-pockets, Weighing mechanism for. G. W. Freeland. No. 894,132; July 21; Sp. p. 3651; Dr. pp. 753-4; Gaz. vol. 135; p. 635.
 Coal-screen. F. S. Converse. No. 892,406; July 7; Sp. p. 30; Dr. p. 9; Gaz. vol. 135; p. 8.
 Coal screening and grading apparatus. W. R. Garrett and J. H. Walker. No. 879,625; Feb. 18; Sp. p. 3578; Dr. p. 749; Gaz. vol. 132; p. 1488.
 Coal-scuttle. H. G. Soderblom. No. 885,094; Apr. 21; Sp. p. 2909; Dr. p. 617; Gaz. vol. 133; p. 1716.
 Coal-separator. J. H. Walker. No. 904,738; Nov. 24; Sp. p. 4531; Gaz. vol. 137; p. 819.
 Coal, slate, &c., separator. D. E. Phillips. No. 906,280; Dec. 8; Sp. p. 2279; Gaz. vol. 137; p. 1392.
 Coal-storage plant. E. G. Volans. No. 883,764; Apr. 7; Sp. p. 169; Dr. p. 30; Gaz. vol. 133; p. 1220.
 Coal unloading and distributing apparatus. G. M. Bennett. No. 895,064; Aug. 4; Sp. p. 577; Dr. pp. 118-20; Gaz. vol. 135; p. 989.
 Coal, Vertical retort for the distillation of. H. W. Woodall and A. M. Duckham. No. 906,597; Dec. 15; Sp. p. 2861; Gaz. vol. 137; p. 1518.
 Coal-washer and ore-concentrator. A. C. Campbell. No. 898,314; Sept. 8; Sp. p. 2174; Dr. pp. 461-2; Gaz. vol. 136; p. 376.
 Coal-washer jigs, Mechanism for controlling the gates of. W. M. Duncan. No. 891,610; June 23; Sp. p. 4910; Dr. p. 1059; Gaz. vol. 134; p. 1935.
 Coal-washing apparatus. W. A. Knoyer. No. 906,239; Dec. 8; Sp. p. 2214; Gaz. vol. 137; p. 1379.
 Coal-working apparatus. N. D. Levin. No. 898,661; Sept. 15; Sp. p. 2867; Dr. p. 612; Gaz. vol. 136; p. 522.
 Coaster. S. B. Brown. No. 885,977; Apr. 28; Sp. p. 4762; Dr. p. 1000; Gaz. vol. 133; p. 2033.
 Coaster, Amusement.- P. Gourdon. No. 895,256; Aug. 4; Sp. p. 973; Dr. p. 203; Gaz. vol. 135; p. 1055.
 Coaster-brake. M. Ainsworth. No. 897,952; Sept. 8; Sp. p. 1480; Dr. p. 315; Gaz. vol. 136; p. 263.
 Coaster-brake. P. W. Tooley. No. 904,735; Nov. 24; Sp. p. 4525; Gaz. vol. 137; p. 818.
 Coaster-brake and speed-gearing. W. S. Gubelman. No. 895,056; Aug. 4; Sp. p. 617; Dr. p. 128; Gaz. vol. 135; p. 997.
 Coaster-brake, Back-pedaling. A. P. Morrow. No. 882,159; Mar. 17; Sp. p. 3339; Dr. p. 712; Gaz. vol. 133; p. 607.
 Coaster-brake, Back-pedaling. A. P. Morrow. No. 906,280; Dec. 8; Sp. p. 2252; Gaz. vol. 137; p. 1386.
 Coaster, Law.- A. Lombardo. No. 895,569; Aug. 11; Sp. p. 1589; Dr. p. 336; Gaz. vol. 135; p. 1181.
 Coasting device, Portable. J. C. Boyle. No. 890,904; Mar. 3; Sp. p. 902; Dr. p. 208; Gaz. vol. 133; p. 162.
 Coat. W. T. Connor and C. Hess. No. 889,761; June 2; Sp. p. 1118; Dr. p. 259; Gaz. vol. 134; p. 1239.
 Coat and adjustable skirt hanger, Combination. F. Levy. No. 899,603; Sept. 29; Sp. p. 4670; Dr. p. 1002; Gaz. vol. 136; p. 892.
 Coat and trousers hanger, Combination. J. F. Claussen. No. 905,498; Dec. 1; Sp. p. 793; Gaz. vol. 137; p. 1109.
 Coat-collar. L. J. Rodgers. No. 898,140; Sept. 8; Sp. p. 1855; Dr. p. 396; Gaz. vol. 136; p. 322.
 Coat-hanger. J. C. Dawson. No. 886,041; Apr. 28; Sp. p. 4908; Dr. p. 1032; Gaz. vol. 133; p. 2054.
 Coat-hanger. B. A. Grasberger. No. 890,271; June 9; Sp. p. 2197; Dr. p. 482; Gaz. vol. 134; p. 1434.
 Coat-hanger. F. M. Keederle. No. 897,292; Sept. 1; Sp. p. 45; Dr. p. 11; Gaz. vol. 136; p. 11.
 Coat, hat, and umbrella hanger, Combined. J. S. Robinson. No. 889,721; June 2; Sp. p. 1048; Dr. p. 242; Gaz. vol. 134; p. 1227.
 Coat-pattern, Adjustable. M. Truhan. No. 890,472; June 9; Sp. p. 2562; Dr. p. 568; Gaz. vol. 134; p. 1498.
 Coat-pressing machine. A. W. Tindall. No. 883,362; Mar. 31; Sp. p. 5724; Dr. p. 1221; Gaz. vol. 133; p. 1064.
 Coating composition. W. H. Golder. No. 887,248; May 12; Sp. p. 1807; Gaz. vol. 134; p. 325.
 Coating composition, Liquid. L. E. Odell. No. 893,010; July 14; Sp. p. 1275; Gaz. vol. 135; p. 237.
 Coating device. N. H. Pike. No. 891,564; June 23; Sp. p. 4824; Dr. p. 1042; Gaz. vol. 134; p. 1921.
 Coating-machine. G. N. Pifer. No. 877,120; Jan. 21; Sp. p. 2950; Dr. p. 638; Gaz. vol. 132; p. 548.
 Coating-machine. A. J. Ford. No. 877,186; Jan. 21; Sp. p. 3103; Dr. pp. 671-2; Gaz. vol. 132; p. 571.
 Coating-machine. R. R. Richardson. No. 879,587; Feb. 18; Sp. p. 3490; Dr. pp. 731-4; Gaz. vol. 132; p. 1476.
 Coating-machine. M. A. Smith. No. 901,749; Oct. 20; Sp. p. 3543; Dr. pp. 716-18; Gaz. vol. 136; p. 1686.
 Coating-machines and the like, Feeding mechanism for. R. R. Richardson. No. 882,167; Mar. 17; Sp. p. 3381; Dr. p. 719; Gaz. vol. 133; p. 611.
 Cobalt and nickel, Separating salts of. T. B. McGhie. No. 888,839; May 26; Sp. p. 5075; Gaz. vol. 134; p. 911.

Alphabetical list of inventions—Continued.

- Cobalt ores and refining cobalt from nickel, arsenical, and silver-bearing ores, Treating. E. E. Armstrong. No. 881,527; Mar. 10; Sp. p. 2059; Dr. p. 450; Gaz. vol. 133; p. 374.
- Cock, Adjustable regulating-. W. N. Best. No. 904,299; Nov. 17; Sp. p. 3630; Gaz. vol. 137; p. 646.
- Cock, Adjustable stop-. F. M. Holliday. No. 889,523; June 2; Sp. p. 671; Dr. p. 155; Gaz. vol. 134; p. 1164.
- Cock, Angle-. W. E. Farrell and F. L. Hall. No. 893,912; July 21; Sp. p. 3199; Dr. p. 659; Gaz. vol. 135; p. 562.
- Cock, Angle-. J. G. Nagle. No. 893,386; Sept. 8; Sp. p. 2302; Dr. p. 489; Gaz. vol. 136; p. 400.
- Cock, Automatic ball-. W. F. and L. P. Edes. No. 877,063; Jan. 21; Sp. p. 2841; Dr. p. 613; Gaz. vol. 132; p. 529.
- Cock, Automatic supply-. F. B. Easton. No. 892,815; July 7; Sp. p. 827; Dr. p. 176; Gaz. vol. 135; p. 142.
- Cock, Ball-. H. N. Libbey. No. 902,825; Nov. 3; Sp. p. 577; Gaz. vol. 137; p. 98.
- Cock, Ball-. G. A. Soderlund. No. 906,832; Dec. 15; Sp. p. 3312; Gaz. vol. 137; p. 1593.
- Cock, Blow-off. G. H. Osman. No. 900,197; Oct. 6; Sp. p. 264; Dr. p. 53; Gaz. vol. 136; p. 1115.
- Cock, Compression-. E. G. Hedges. No. 905,181; Dec. 1; Sp. p. 116; Gaz. vol. 137; p. 1002.
- Cock, Compression stop and waste. W. P. Deverell. No. 875,696; Jan. 7; Sp. p. 35; Dr. p. 7; Gaz. vol. 132; p. 8.
- Cock-coupling. E. Witzemann. No. 902,192; Oct. 27; Sp. p. 4435; Dr. p. 898; Gaz. vol. 136; p. 1857.
- Cock, Cylinder-. A. Sundborg. No. 878,686; Feb. 11; Sp. p. 1689; Dr. p. 349; Gaz. vol. 132; p. 1144.
- Cock for beer apparatus, Controlling stop-. C. Meldau. No. 876,724; Jan. 14; Sp. p. 2126; Dr. p. 467; Gaz. vol. 132; p. 377.
- Cock for controlling fluid under pressure. J. A. Dyblie. No. 881,228; Mar. 10; Sp. p. 1473; Dr. p. 316; Gaz. vol. 133; p. 278.
- Cock for gas-fixtures, Automatic cut-off. R. E. Staples. No. 903,614; Nov. 10; Sp. p. 2175; Gaz. vol. 137; p. 385.
- Cock, Gage-. T. L. Derr. No. 875,986; Jan. 7; Sp. p. 589; Dr. p. 126; Gaz. vol. 132; p. 102.
- Cock, Gage-. J. J. Finnegan and C. E. Webster. No. 880,786; Mar. 3; Sp. p. 600; Dr. p. 128; Gaz. vol. 133; p. 104.
- Cock, Gage-. T. R. Whittaker. No. 883,066; Mar. 24; Sp. p. 5109; Dr. p. 1089; Gaz. vol. 133; p. 937.
- Cock, Gage-. T. Watkins. No. 894,087; July 21; Sp. p. 3565; Dr. p. 734; Gaz. vol. 135; p. 621.
- Cock, Gage-. C. A. Daflinger. No. 894,729; July 28; Sp. p. 4874; Dr. p. 1014; Gaz. vol. 135; p. 851.
- Cock, Gas-. W. E. Holderness and H. W. Evans. No. 888,501; May 26; Sp. p. 4353; Dr. p. 921; Gaz. vol. 134; p. 798.
- Cock, Gas-. D. E. Hopper. No. 893,847; July 21; Sp. p. 3076; Dr. p. 629; Gaz. vol. 135; p. 542.
- Cock or faucet. J. W. Sharp, Jr. No. 893,944; July 21; Sp. p. 3255; Dr. p. 670; Gaz. vol. 135; p. 572.
- Cock or valve, Water. B. J. Porter and T. H. Binnington. No. 900,309; Oct. 6; Sp. p. 509; Dr. p. 105; Gaz. vol. 136; p. 1152.
- Cock, Protected earthenware. C. Ruppel. No. 885,526; Apr. 21; Sp. p. 3814; Dr. p. 800; Gaz. vol. 133; p. 1856.
- Cock, Right and left basin-. P. and H. Mueller. No. 879,401; Feb. 18; Sp. p. 3093; Dr. pp. 642-3; Gaz. vol. 132; p. 1415.
- Cock, Safety gas-. F. T. Richter. No. 888,742; May 26; Sp. p. 4840; Dr. p. 1033; Gaz. vol. 134; p. 879.
- Cock, Safety gas-. H. E. Brockman. No. 890,404; June 9; Sp. p. 2441; Dr. p. 640; Gaz. vol. 134; p. 1477.
- Cock, Self-closing basin-. E. G. Watrous. No. 875,873; Jan. 7; Sp. p. 362; Dr. p. 80; Gaz. vol. 132; p. 67.
- Cock shiftable index. H. Mueller. No. 908,416; Dec. 29; Sp. p. 6600; Gaz. vol. 137; p. 2184.
- Cock, Stop-. J. E. Van Nostran. No. 877,875; Jan. 28; Sp. p. 4441; Dr. p. 9-8; Gaz. vol. 132; p. 814.
- Cock, Stop-. W. W. Miller. No. 885,775; Apr. 28; Sp. p. 4337; Dr. p. 909; Gaz. vol. 133; p. 1964.
- Cock, Stop-. H. H. Martin. No. 890,431; June 9; Sp. p. 2489; Dr. p. 551; Gaz. vol. 134; p. 1436.
- Cock, Stop-. L. Jones. No. 901,621; Oct. 20; Sp. p. 3253; Dr. p. 666; Gaz. vol. 136; p. 1642.
- Cock, Stop-. T. E. Dwyer. No. 904,852; Nov. 24; Sp. p. 4788; Gaz. vol. 137; p. 858.
- Cock, Stop and measuring. F. Vocke. No. 880,256; Feb. 25; Sp. p. 4887; Dr. p. 1033; Gaz. vol. 132; p. 1729.
- Cock, Swing-spout compression basin-. P. and H. Mueller and A. Schuermann. No. 879,400; Feb. 18; Sp. p. 3091; Dr. p. 642; Gaz. vol. 132; p. 1414.
- Cock, Waste and vent. J. H. Glauber. No. 897,364; Sept. 1; Sp. p. 251; Dr. p. 52; Gaz. vol. 136; p. 37.
- Cock, Water-. L. W. Eggleston. No. 886,360; May 5; Sp. p. 38; Dr. p. 8; Gaz. vol. 134; p. 10.
- Cocks, Self-locking attachment for angle-. W. C. Feighan. No. 873,368; Feb. 4; Sp. p. 960; Dr. pp. 192-3; Gaz. vol. 132; p. 1005.
- Cocks with exchangeable lock, Locking device for. M. Ebert. No. 907,479; Dec. 22; Sp. p. 4613; Gaz. vol. 137; p. 1842.
- Cocoa-beans, Sorting. J. M. Herron. No. 881,861; Mar. 10; Sp. p. 2727; Dr. p. 584; Gaz. vol. 133; p. 483.
- Code, Cable or telegraph. F. Pain. No. 877,797; Jan. 28; Sp. p. 4294; Dr. p. 932; Gaz. vol. 132; p. 789.
- Code message. M. Berardini. No. 889,094; May 26; Sp. p. 5564; Dr. pp. 1182-3; Gaz. vol. 134; p. 993.
- Code message. M. Berardini. No. 889,095; May 26; Sp. p. 5567; Dr. p. 1183; Gaz. vol. 134; p. 993.
- Coffee after the same has been graded, Mechanism for cleaning and finishing ground. F. Conner. No. 902,474; Oct. 27; Sp. p. 5045; Dr. p. 1021; Gaz. vol. 136; p. 1951.
- Coffee and tea infuser. R. Tromel. No. 903,634; Nov. 10; Sp. p. 2214; Gaz. vol. 137; p. 391.
- Coffee-machine. S. Sternau, J. P. Steppe, and L. Strassburger. No. 903,801; Nov. 10; Sp. p. 2536; Gaz. vol. 137; p. 443.
- Coffee-maker. R. A. Buckner. No. 899,099; Sept. 22; Sp. p. 3666; Dr. p. 785; Gaz. vol. 136; p. 692.
- Coffee-mill. J. Muszar. No. 885,504; Apr. 21; Sp. p. 3755; Dr. p. 790; Gaz. vol. 133; p. 1849.
- Coffee or tea percolator. F. Geissler. No. 878,374; Feb. 4; Sp. p. 970; Dr. p. 195; Gaz. vol. 132; p. 1037.
- Coffee or tea pot. I. J. Webster. No. 877,973; Feb. 4; Sp. p. 152; Dr. p. 34; Gaz. vol. 132; p. 854.
- Coffee-percolator. H. W. Reynolds. No. 894,746; July 28; Sp. p. 4907; Dr. p. 1021; Gaz. vol. 135; p. 856.
- Coffee percolator and strainer. R. Jorgensen. No. 892,846; July 7; Sp. p. 901; Dr. p. 192; Gaz. vol. 133; p. 152.
- Coffee-pot. J. B. Ewer. No. 875,793; Jan. 7; Sp. p. 224; Dr. p. 49; Gaz. vol. 132; p. 41.
- Coffee-pot. O. F. Regnell. No. 880,096; Feb. 25; Sp. p. 4553; Dr. p. 959; Gaz. vol. 132; p. 1674.
- Coffee-pot. H. L. Wells. No. 882,183; Mar. 17; Sp. p. 3404; Dr. pp. 723-4; Gaz. vol. 133; p. 616.
- Coffee-pot. H. A. Pike. No. 882,712; Mar. 24; Sp. p. 4409; Dr. pp. 937-8; Gaz. vol. 133; p. 822.
- Coffee-pot. J. Armstrong. No. 883,927; Apr. 7; Sp. p. 517; Dr. p. 102; Gaz. vol. 133; p. 1275.
- Coffee-pot. P. Renner. No. 891,441; June 23; Sp. p. 4571; Dr. pp. 994-5; Gaz. vol. 134; p. 1881.
- Coffee-pots, &c., Attachment for. T. R. Grac. No. 904,949; Nov. 24; Sp. p. 4985; Gaz. vol. 137; p. 889.
- Coffee preparation and making same. J. M. Herron. No. 893,073; July 14; Sp. p. 1391; Gaz. vol. 135; p. 258.
- Coffee, Preparation of. J. F. Meyer, Jr., L. Roselius, and K. Wimmer. No. 897,840; Sept. 1; Sp. p. 1219; Gaz. vol. 136; p. 193.
- Coffee preparations, Producing. J. M. Herron. No. 893,074; July 14; Sp. p. 1392; Gaz. vol. 135; p. 258.
- Coffee, &c., roaster. R. Burns. No. 879,731; Feb. 18; Sp. p. 3790; Dr. p. 795; Gaz. vol. 132; p. 1523.
- Coffee-roaster. E. T. Shortt. No. 886,427; May 5; Sp. p. 171; Dr. p. 36; Gaz. vol. 134; p. 33.
- Coffee-separating machine. W. L. Maas. No. 896,032; Aug. 11; Sp. p. 2514; Dr. pp. 545-7; Gaz. vol. 135; p. 1331.
- Coffee-sheller. J. P. Tebyrica and W. Halstead. No. 879,211; Feb. 18; Sp. p. 2710; Dr. p. 565; Gaz. vol. 132; p. 1352.
- Coffee-steepers. J. Steinberg. No. 900,123; Oct. 6; Sp. p. 126; Dr. p. 26; Gaz. vol. 136; p. 1092.
- Coffee, Treatment of. J. F. Meyer, Jr., L. Roselius, and K. Wimmer. No. 897,763; Sept. 1; Sp. p. 1047; Gaz. vol. 136; p. 170.
- Coffee-urn. J. H. Beckman. No. 893,700; July 21; Sp. p. 2676; Dr. pp. 561-2; Gaz. vol. 135; p. 492.
- Coffee-urn. A. E. White. No. 894,868; Aug. 4; Sp. p. 130; Dr. p. 29; Gaz. vol. 135; p. 922.
- Coffee-urn. J. P. Blocker. No. 904,113; Nov. 17; Sp. p. 3195; Gaz. vol. 137; p. 581.
- Coffee-urn. H. D. Kelly. No. 897,607; Dec. 22; Sp. p. 4876; Gaz. vol. 137; p. 1883.
- Coffin-handle. E. C. Clark. No. 893,445; July 14; Sp. p. 2134; Dr. pp. 447-8; Gaz. vol. 135; p. 378.
- Coffin, Safety-. J. J. Toolen. No. 898,021; Sept. 8; Sp. p. 1624; Dr. p. 346; Gaz. vol. 136; p. 285.
- Coffins, &c., Handle for. J. M. Truby. No. 885,305; Apr. 21; Sp. p. 3372; Dr. p. 705; Gaz. vol. 133; p. 1786.
- Coherer and decoherer. J. L. Jones. No. 886,983; May 5; Sp. p. 1278; Dr. p. 270; Gaz. vol. 134; p. 212.
- Coil, Rühmkorff. J. McIntyre. (Reissue.) No. 12,805; June 2; Sp. p. 1365; Dr. p. 310; Gaz. vol. 134; p. 1282.
- Coil-spring. R. Gregg. No. 886,052; Apr. 28; Sp. p. 4926; Dr. p. 1035; Gaz. vol. 133; p. 2057.
- Coil-support. W. L. Waters. No. 886,561; May 5; Sp. p. 432; Dr. p. 92; Gaz. vol. 134; p. 76.
- Coil support, Field-. E. W. Stull. No. 890,539; June 9; Sp. p. 2692; Dr. p. 593; Gaz. vol. 134; p. 1520.
- Coil-windings, Reel for. I. De Kaiser. No. 878,125; Feb. 4; Sp. p. 462; Dr. p. 98; Gaz. vol. 132; p. 924.
- Coin-actuated mechanism. W. M. Reason. No. 887,048; May 5; Sp. p. 1404; Dr. p. 298; Gaz. vol. 134; p. 233.
- Coin-card. J. H. Knight. No. 889,377; June 2; Sp. p. 375; Dr. p. 87; Gaz. vol. 134; p. 1117.
- Coin-carrier. L. Zamboni. No. 893,890; July 21; Sp. p. 3153; Dr. p. 648; Gaz. vol. 135; p. 555.
- Coin-collector. E. B. Craft. No. 884,470; Apr. 14; Sp. p. 1621; Dr. pp. 349-50; Gaz. vol. 133; p. 1481.
- Coin-collector. E. B. Smythe. No. 892,322; June 30; Sp. p. 6341; Dr. pp. 1367-8; Gaz. vol. 134; p. 2203.
- Coin-controlled apparatus. H. Meyer. No. 879,827; Feb. 18; Sp. p. 3977; Dr. pp. 832-3; Gaz. vol. 132; p. 1554.
- Coin-controlled apparatus. T. S. Patterson. No. 883,478; Mar. 31; Sp. p. 5989; Dr. p. 1277; Gaz. vol. 133; p. 1104.
- Coin-controlled apparatus. D. Wedgewood. No. 884,247; Apr. 7; Sp. p. 1190; Dr. pp. 250-1; Gaz. vol. 133; p. 1380.
- Coin-controlled apparatus. J. A. Weser. No. 884,441; Apr. 14; Sp. p. 1562; Dr. p. 336; Gaz. vol. 133; p. 1472.
- Coin-controlled apparatus. M. Nelson. No. 885,277; Apr. 21; Sp. p. 3316; Dr. p. 692; Gaz. vol. 133; p. 1777.
- Coin-controlled apparatus. M. Elzas. No. 888,600; May 26; Sp. p. 4569; Dr. p. 969; Gaz. vol. 134; p. 8-4.
- Coin-controlled apparatus. J. L. Simmons. No. 906,571; Dec. 15; Sp. p. 2818; Gaz. vol. 137; p. 1511.
- Coin-controlled apparatus, Percentage mechanism for. C. E. Yale. No. 878,172; Feb. 4; Sp. p. 587; Dr. p. 120; Gaz. vol. 132; p. 940.
- Coin-controlled box. C. A. Shattuck. No. 896,767; Aug. 25; Sp. p. 3965; Dr. p. 853; Gaz. vol. 135; p. 1612.
- Coin-controlled gasometer. W. J. Hill. No. 904,957; Nov. 24; Sp. p. 4996; Gaz. vol. 137; p. 892.

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- Coin-controlled lock. V. A. Lippert. No. 888,828; May 26; Sp. p. 5046; Dr. p. 1077; Gaz. vol. 134; p. 907.
 Coin-controlled lock. E. A. Richardson. No. 895,588; Aug. 11; Sp. p. 1629; Dr. p. 343; Gaz. vol. 135; p. 1187.
 Coin-controlled lock. F. W. Kassler. No. 902,086; Oct. 27; Sp. p. 4216; Dr. p. 854; Gaz. vol. 136; p. 1824.
 Coin-controlled lock. J. Smith and R. C. Hopkins. No. 905,470; Dec. 1; Sp. p. 725; Gaz. vol. 137; p. 1100.
 Coin-controlled machine. M. Hoffheimer. No. 881,688; Mar. 10; Sp. p. 2371; Dr. pp. 513-14; Gaz. vol. 133; p. 426.
 Coin-controlled mechanism. H. W. Nicholes and J. R. Jones. No. 896,235; Aug. 18; Sp. p. 2880; Dr. p. 622; Gaz. vol. 135; p. 1418.
 Coin-delivering apparatus. A. Gauss. No. 897,082; Aug. 25; Sp. p. 4657; Dr. p. 992; Gaz. vol. 135; p. 1718.
 Coin-delivery machine. A. K. Cross. No. 893,450; July 14; Sp. p. 2143; Dr. p. 450; Gaz. vol. 135; p. 380.
 Coin-detector. F. Eckert. No. 886,962; May 5; Sp. p. 1243; Dr. p. 263; Gaz. vol. 134; p. 206.
 Coin detector, Spurious-. L. A. Vandiver. No. 881,037; Mar. 3; Sp. p. 1088; Dr. p. 236; Gaz. vol. 133; p. 186.
 Coin-freed mechanism. O. Meyer. No. 877,212; Jan. 21; Sp. p. 3165; Dr. pp. 686-7; Gaz. vol. 132; p. 581.
 Coin-holder, Pocket. G. B. Birch and J. A. Cameron. No. 904,244; Nov. 17; Sp. p. 3504; Gaz. vol. 137; p. 627.
 Coin-package wrapper. R. B. Ware. No. 892,474; July 7; Sp. p. 1663; Dr. p. 35; Gaz. vol. 135; p. 32.
 Coin-parceling apparatus. W. C. Olland. No. 892,878; July 7; Sp. p. 981; Dr. p. 205; Gaz. vol. 135; p. 163.
 Coin-receptacle. E. W. Roberts. No. 877,951; Feb. 4; Sp. p. 109; Dr. p. 25; Gaz. vol. 132; p. 867.
 Coin-receptacle. B. vom Eigen. No. 886,687; May 5; Sp. p. 694; Dr. p. 144; Gaz. vol. 134; p. 118.
 Coin-receptacles, Locking mechanism for. W. H. Woolums. No. 901,409; Oct. 20; Sp. p. 2804; Dr. p. 572; Gaz. vol. 136; p. 1573.
 Coin-register. F. R. Graeber and C. T. Entrikin. No. 885,610; Apr. 21; Sp. p. 3978; Dr. pp. 830-1; Gaz. vol. 133; p. 1881.
 Coin-registering mechanism. F. D. Powell and C. S. Ellis. No. 876,586; Jan. 14; Sp. p. 1841; Dr. pp. 402-4; Gaz. vol. 132; p. 332.
 Coin-registering mechanism. F. D. Powell and C. S. Ellis. No. 880,571; Mar. 3; Sp. p. 163; Dr. pp. 36-8; Gaz. vol. 133; p. 31.
 Coin-repository. B. vom Eigen. No. 886,784; May 5; Sp. p. 918; Dr. pp. 192-3; Gaz. vol. 134; p. 152.
 Coin-repository. B. vom Eigen. No. 887,037; May 5; Sp. p. 1388; Dr. p. 295; Gaz. vol. 134; p. 230.
 Coin-repository. B. vom Eigen. No. 896,364; Aug. 18; Sp. p. 3152; Dr. p. 678; Gaz. vol. 135; p. 1458.
 Coin-separator. A. R. Moore. No. 899,550; Sept. 29; Sp. p. 4561; Dr. p. 980; Gaz. vol. 136; p. 873.
 Coin sorting and counting machine. H. G. Jakobsson. No. 875,712; Jan. 7; Sp. p. 67; Dr. p. 14; Gaz. vol. 132; p. 15.
 Coin-sorting mechanism. C. E. Dellenbarger. No. 892,369; June 30; Sp. p. 6429; Dr. p. 1388; Gaz. vol. 134; p. 2218.
 Coin-testing machine. M. D. Sadler. No. 887,049; May 5; Sp. p. 1406; Dr. p. 299; Gaz. vol. 134; p. 234.
 Coin-wrappers, Machine for making. H. R. Radford. No. 897,012; Aug. 25; Sp. p. 4519; Dr. pp. 966-7; Gaz. vol. 135; p. 1694.
 Coins and the like, Counter for. A. U. Westfield. No. 903,929; Nov. 17; Sp. p. 2846; Gaz. vol. 137; p. 519.
 Coke and gas, Apparatus for the manufacture of. J. Armstrong. No. 888,136; May 19; Sp. p. 3660; Dr. pp. 760-1; Gaz. vol. 134; p. 649.
 Coke bin and chute. G. F. Hurt. No. 876,459; Jan. 14; Sp. p. 1562; Dr. p. 335; Gaz. vol. 132; p. 287.
 Coke, Desulfurizing. E. L. Stoner. No. 887,145; May 12; Sp. p. 1597; Gaz. vol. 134; p. 294.
 Coke-drawer. D. Ferguson. No. 883,705; Apr. 7; Sp. p. 59; Dr. p. 8-9; Gaz. vol. 133; p. 1202.
 Coke-drawer. R. L. Martin, Jr., and W. W. Macfarren. No. 902,243; Oct. 27; Sp. p. 4537; Dr. pp. 920-1; Gaz. vol. 136; p. 1873.
 Coke-drawing apparatus. F. H. Daniels, A. F. Backlin, and I. Eklund. No. 893,453; July 14; Sp. p. 2156; Dr. pp. 451-4; Gaz. vol. 135; p. 381.
 Coke-drawing apparatus. J. Reed. No. 900,206; Oct. 6; Sp. p. 283; Dr. p. 57; Gaz. vol. 136; p. 1118.
 Coke-drawing apparatus. C. M. Clarke. No. 907,681; Dec. 22; Sp. p. 5066; Gaz. vol. 137; p. 1908.
 Coke-extracting machine. S. Garner. No. 875,989; Jan. 7; Sp. p. 592; Dr. p. 127; Gaz. vol. 132; p. 103.
 Coke-extractor. G. B. Foust. No. 892,042; June 30; Sp. p. 5510; Dr. pp. 1249-50; Gaz. vol. 134; p. 2111.
 Coke-leveling machine. J. S. Ham. No. 876,175; Jan. 7; Sp. p. 949; Dr. pp. 204-5; Gaz. vol. 132; p. 162.
 Coke, Manufacture of. J. H. Hillman. No. 881,685; Mar. 10; Sp. p. 2365; Dr. p. 512; Gaz. vol. 133; p. 425.
 Coke-oven. M. E. Rothberg. No. 893,017; July 14; Sp. p. 1286; Dr. pp. 270-1; Gaz. vol. 135; p. 239.
 Coke-oven. T. J. Mitchell. No. 899,886; Sept. 29; Sp. p. 5262; Dr. pp. 1125-6; Gaz. vol. 136; p. 983.
 Coke-oven apparatus. T. J. Mitchell and J. A. McCreary. No. 891,355; June 23; Sp. p. 4399; Dr. p. 958; Gaz. vol. 134; p. 1853.
 Coke-oven apparatus. T. J. Mitchell and J. A. McCreary. No. 891,850; June 30; Sp. p. 5436; Dr. pp. 1175-6; Gaz. vol. 134; p. 2049.
 Coke-oven charges, Machine for leveling. W. B. Morgan, L. W. Hubbard, and J. H. Wirts. No. 903,604; Nov. 10; Sp. p. 2149; Gaz. vol. 137; p. 381.
 Coke-oven construction. J. W. Gocher. No. 885,468; Apr. 21; Sp. p. 3689; Dr. pp. 773-4; Gaz. vol. 133; p. 1838.
 Coke-oven door. J. J. Alley. No. 882,365; Mar. 17; Sp. p. 3747; Dr. p. 797; Gaz. vol. 133; p. 675.
 Coke-oven, &c., Horizontal regenerative. F. J. Collin. No. 898,439; Sept. 15; Sp. p. 2425; Dr. p. 519; Gaz. vol. 136; p. 451.
 Coke-oven, Regenerative. E. Coppée. No. 875,896; Jan. 7; Sp. p. 415; Dr. p. 92; Gaz. vol. 132; p. 76.
 Coke-pushing machine. C. Rouse and N. C. Neemes. No. 903,783; Nov. 10; Sp. p. 2494; Gaz. vol. 137; p. 437.
 Coke-quenching machine. P. H. Douglas. No. 892,032; June 30; Sp. p. 5785; Dr. pp. 1244-5; Gaz. vol. 134; p. 2107.
 Coking hydrous bituminous combustibles. P. Hoering. No. 894,647; July 28; Sp. p. 4726; Dr. p. 981; Gaz. vol. 135; p. 824.
 Colander. B. E. Carothers. No. 879,440; Feb. 18; Sp. p. 3180; Dr. p. 662; Gaz. vol. 132; p. 1428.
 Colander. E. E. Higgins and H. L. McCoy. No. 881,924; Mar. 17; Sp. p. 2881; Dr. p. 614; Gaz. vol. 133; p. 532.
 Colander. A. Kissel. No. 888,620; May 26; Sp. p. 4608; Dr. p. 978; Gaz. vol. 134; p. 841.
 Colander. A. M. Desprez. No. 895,347; Aug. 4; Sp. p. 1145; Dr. p. 240; Gaz. vol. 135; p. 1085.
 Colander. H. L. McCoy. No. 903,104; Nov. 3; Sp. p. 1138; Gaz. vol. 137; p. 186.
 Cold-storage construction. A. Javey. No. 890,427; June 9; Sp. p. 2482; Dr. pp. 549-50; Gaz. vol. 134; p. 1485.
 Collapsible box. H. T. Brown. (Reissue). No. 12,770; Mar. 31; Sp. p. 6396; Dr. p. 1363; Gaz. vol. 133; p. 1166.
 Collapsible box. W. F. Mestemacher. No. 886,530; May 5; Sp. p. 372; Dr. p. 77; Gaz. vol. 134; p. 69.
 Collapsible box. W. I. Tuttle. No. 888,554; May 26; Sp. p. 4461; Dr. p. 945; Gaz. vol. 134; p. 818.
 Collapsible box. N. B. Wood. No. 888,774; May 26; Sp. p. 4927; Dr. p. 1050; Gaz. vol. 134; p. 860.
 Collapsible box. W. I. Tuttle. No. 888,943; May 26; Sp. p. 5297; Dr. pp. 1123-4; Gaz. vol. 134; p. 946.
 Collapsible box. W. G. Post. No. 893,870; July 21; Sp. p. 3117; Dr. p. 639; Gaz. vol. 135; p. 548.
 Collapsible box. F. A. Scruby. No. 906,310; Dec. 8; Sp. p. 2347; Gaz. vol. 137; p. 1403.
 Collapsible box or crate. A. F. Miller. No. 892,283; June 30; Sp. p. 6277; Dr. p. 1351; Gaz. vol. 134; p. 2191.
 Collapsible chair. H. Goodrich. No. 897,737; Sept. 1; Sp. p. 1002; Dr. p. 213; Gaz. vol. 136; p. 161.
 Collapsible cup. W. A. Eckert. No. 879,753; Feb. 18; Sp. p. 3828; Dr. p. 802; Gaz. vol. 132; p. 1530.
 Collapsible frame or support. L. K. Sone. No. 900,322; Oct. 6; Sp. p. 535; Dr. p. 111; Gaz. vol. 136; p. 1156.
 Collapsible joint. H. W. Martin. No. 891,278; June 23; Sp. p. 4236; Dr. p. 927; Gaz. vol. 134; p. 1827.
 Collapsible stand. J. W. Kline. No. 902,089; Oct. 27; Sp. p. 4224; Dr. p. 856; Gaz. vol. 136; p. 1825.
 Collapsible tube and the like. M. Faust. No. 897,970; Sept. 8; Sp. p. 1519; Dr. p. 322; Gaz. vol. 136; p. 269.
 Collar. C. W. T. Davies. No. 877,302; Jan. 21; Sp. p. 3334; Dr. p. 723; Gaz. vol. 132; p. 609.
 Collar. W. J. Bruhl. No. 881,660; Mar. 10; Sp. p. 2330; Dr. p. 505; Gaz. vol. 133; p. 419.
 Collar. J. K. P. Pine. No. 882,415; Mar. 17; Sp. p. 3827; Dr. p. 817; Gaz. vol. 133; p. 691.
 Collar. G. F. McManus. No. 886,844; May 5; Sp. p. 1028; Dr. p. 216; Gaz. vol. 134; p. 169.
 Collar. T. J. Ridgway. No. 887,427; May 12; Sp. p. 2244; Dr. p. 470; Gaz. vol. 134; p. 388.
 Collar. S. L. Isham. No. 899,167; Sept. 22; Sp. p. 3807; Dr. p. 815; Gaz. vol. 136; p. 714.
 Collar and button box, Combined. O. A. Lehman. No. 906,638; Dec. 15; Sp. p. 2941; Gaz. vol. 137; p. 1531.
 Collar and garment fastener. W. M. Lowrie. No. 898,239; Sept. 8; Sp. p. 2050; Dr. p. 435; Gaz. vol. 136; p. 354.
 Collar and necktie fastener for shirt-bands. J. J. A. Miller. No. 876,375; Jan. 14; Sp. p. 1362; Dr. p. 297; Gaz. vol. 132; p. 255.
 Collar cap and fastener, Combination. J. J. Poli. No. 899,803; Sept. 29; Sp. p. 5099; Dr. p. 1090; Gaz. vol. 136; p. 957.
 Collar, Dog-. I. M. Bremer. No. 883,384; Mar. 31; Sp. p. 5788; Dr. p. 1235; Gaz. vol. 133; p. 1072.
 Collar, Double. M. C. Loncle. No. 906,905; Dec. 15; Sp. p. 3460; Gaz. vol. 137; p. 1616.
 Collar-fastener. A. Zier. No. 893,692; July 21; Sp. p. 2662; Dr. p. 559; Gaz. vol. 135; p. 489.
 Collar-fastener. J. Wittner. No. 896,788; Aug. 25; Sp. p. 4017; Dr. p. 864; Gaz. vol. 135; p. 1620.
 Collar-fastener. A. H. Zima. No. 897,184; Aug. 25; Sp. p. 4847; Dr. p. 1031; Gaz. vol. 135; p. 1750.
 Collar-fastener. A. Reed. No. 908,422; Dec. 29; Sp. p. 6612; Gaz. vol. 137; p. 2187.
 Collar-fastener. A. Reed. No. 908,423; Dec. 29; Sp. p. 6613; Gaz. vol. 137; p. 2187.
 Collar fastener, Horse-. W. B. Estes. No. 883,631; Mar. 31; Sp. p. 6283; Dr. p. 1340; Gaz. vol. 133; p. 1149.
 Collar fastener, Horse-. C. A. Whipple and G. W. Finch. No. 887,366; May 12; Sp. p. 2101; Dr. p. 440; Gaz. vol. 134; p. 368.
 Collar fastener, Horse-. W. Terry. No. 892,331; June 30; Sp. p. 6363; Dr. p. 1372; Gaz. vol. 134; p. 2206.
 Collar-forming die. H. C. Miller. (Reissue). No. 12,809; June 9; Sp. p. 2813; Dr. p. 620; Gaz. vol. 134; p. 1539.
 Collar, Horse-. F. H. Bellamy. No. 876,289; Jan. 7; Sp. p. 1183; Dr. p. 258; Gaz. vol. 132; p. 199.
 Collar, Horse-. G. M. McMillan. No. 887,688; May 12; Sp. p. 2739; Dr. p. 579; Gaz. vol. 134; p. 473.
 Collar, Horse-. J. F. Conniff. No. 888,388; May 19; Sp. p. 4103; Dr. p. 866; Gaz. vol. 134; p. 730.
 Collar, Horse-. R. W. Whitsell and C. B. Ward. No. 890,478; June 9; Sp. p. 2575; Dr. p. 569; Gaz. vol. 134; p. 1500.
 Collar, Horse-. J. H. Crouse. No. 892,711; July 7; Sp. p. 618; Dr. p. 133; Gaz. vol. 135; p. 108.
 Collar, Horse-. E. L. Sill. No. 893,024; July 14; Sp. p. 1296; Dr. p. 273; Gaz. vol. 135; p. 242.
 Collar, Horse-. T. G. Hadaway. No. 894,631; July 28; Sp. p. 4697; Dr. p. 975; Gaz. vol. 135; p. 819.

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- Collar, Horse-. L. J. Powers. No. 899,560; Sept. 29; Sp. p. 4583; Dr. p. 985; Gaz. vol. 136; p. 877.
 Collar, Horse-. O. W. Walters. No. 906,961; Dec. 8; Sp. p. 1665; Gaz. vol. 137; p. 1287.
 Collar-pad. L. O. King. No. 903,293; Nov. 10; Sp. p. 1515; Gaz. vol. 137; p. 279.
 Collar pad, Horse-. J. H. Taylor. No. 881,356; Mar. 10; Sp. p. 1724; Dr. p. 371; Gaz. vol. 133; p. 319.
 Collar pad, Horse-. W. F. Sachse. No. 884,527; Apr. 14; Sp. p. 1737; Dr. p. 372; Gaz. vol. 133; p. 1499.
 Collar pad, Horse-. C. F. Hickman and B. L. Ford. No. 894,640; July 28; Sp. p. 4713; Dr. p. 978; Gaz. vol. 135; p. 822.
 Collar pad, Horse-. H. E. Traub. No. 906,667; Dec. 15; Sp. p. 2993; Gaz. vol. 137; p. 1540.
 Collar, Pneumatic horse-. H. R. Rasmussen. No. 880,756; Mar. 3; Sp. p. 543; Dr. p. 113; Gaz. vol. 133; p. 94.
 Collar protector, Horse-. J. Millar and S. Humbard. No. 876,279; Jan. 7; Sp. p. 1160; Dr. p. 253; Gaz. vol. 132; p. 195.
 Collar, Pyroxylin. F. A. Gudger. No. 905,068; Nov. 24; Sp. p. 5201; Gaz. vol. 137; p. 929.
 Collar retainer, Coat-. J. G. Pease. No. 891,002; June 16; Sp. p. 3695; Dr. p. 805; Gaz. vol. 134; p. 1706.
 Collar, Safety-. L. Harlow. No. 904,530; Nov. 24; Sp. p. 4110; Gaz. vol. 137; p. 749.
 Collar-shaping device. J. J. Meehan. No. 892,604; July 7; Sp. p. 399; Dr. p. 88; Gaz. vol. 135; p. 74.
 Collar-stay. C. B. Patterson. No. 896,143; Aug. 18; Sp. p. 2706; Dr. p. 584; Gaz. vol. 135; p. 1387.
 Collar-stay. H. C. Gustafson. No. 902,576; Nov. 3; Sp. p. 88; Gaz. vol. 137; p. 15.
 Collar-stiffener. M. Mann. No. 876,369; Jan. 14; Sp. p. 1353; Dr. p. 295; Gaz. vol. 132; p. 256.
 Collar-stretching machine. W. J. Beattie. No. 902,548; Nov. 3; Sp. p. 19; Gaz. vol. 137; p. 5.
 Collar-support. E. Christie. No. 885,722; Apr. 28; Sp. p. 4224; Dr. p. 884; Gaz. vol. 133; p. 1947.
 Collar-support. M. J. Topp. No. 891,113; June 16; Sp. p. 3885; Dr. p. 850; Gaz. vol. 134; p. 1741.
 Collar-support. G. Keitel. No. 900,932; Oct. 13; Sp. p. 1843; Dr. p. 375; Gaz. vol. 136; p. 1382.
 Collar support and closer. A. Tooth. No. 880,839; Mar. 3; Sp. p. 725; Dr. p. 152; Gaz. vol. 133; p. 123.
 Collar-supporter. A. Illoway. No. 877,928; Feb. 4; Sp. p. 70; Dr. p. 14; Gaz. vol. 132; p. 860.
 Collar-supporter. N. Illoway. No. 892,797; July 7; Sp. p. 665; Dr. p. 141; Gaz. vol. 135; p. 115.
 Collar-supporter. F. A. Ballou. No. 893,773; July 21; Sp. p. 2914; Dr. p. 597; Gaz. vol. 135; p. 517.
 Collar-supporter. M. L. Gaston and H. E. Moore. No. 895,849; Aug. 11; Sp. p. 2157; Dr. p. 458; Gaz. vol. 135; p. 1272.
 Collar-supporter. F. E. Farnham. No. 896,367; Aug. 18; Sp. p. 3168; Dr. p. 680; Gaz. vol. 135; p. 1459.
 Collar-supporter. N. Illoway. No. 907,241; Dec. 22; Sp. p. 4136; Gaz. vol. 137; p. 1761.
 Collar sweat-pad, Horse-. W. E. Bradford. No. 887,581; May 12; Sp. p. 2542; Dr. p. 536; Gaz. vol. 134; p. 438.
 Collar-tipper. W. Bartholomew. No. 904,398; Nov. 17; Sp. p. 3804; Gaz. vol. 137; p. 678.
 Collars and the like, Feeding mechanism for machines for folding. W. L. Dixon. No. 890,503; June 9; Sp. p. 2622; Dr. p. 581; Gaz. vol. 134; p. 1508.
 Collars, &c., Folding-machine for. G. Reece. No. 889,858; June 2; Sp. p. 1298; Dr. pp. 297-8; Gaz. vol. 134; p. 1271.
 Collars, Making horse-. L. J. Powers. No. 890,707; June 16; Sp. p. 3076; Dr. p. 676; Gaz. vol. 134; p. 1609.
 Collars, Slide-band for. F. B. Gould. No. 892,989; July 14; Sp. p. 1238; Dr. p. 258; Gaz. vol. 135; p. 231.
 Collars, Stiffening-cape for coat-. J. W. Gray. No. 882,674; Mar. 24; Sp. p. 4343; Dr. p. 924; Gaz. vol. 133; p. 810.
 Collaring-machine. E. E. Cook. No. 877,297; Jan. 21; Sp. p. 3318; Dr. pp. 719-21; Gaz. vol. 132; p. 607.
 Collecting and folding machine. H. M. Barber. No. 879,721; Feb. 18; Sp. p. 3766; Dr. pp. 790-1; Gaz. vol. 132; p. 1519.
 Collector-rings, Means for supporting. W. F. Dawson. No. 900,710; Oct. 13; Sp. p. 1371; Dr. p. 279; Gaz. vol. 136; p. 1310.
 Colloidon filaments, Apparatus for the manufacture of. V. Planchon. No. 888,260; May 19; Sp. p. 3854; Dr. p. 810; Gaz. vol. 134; p. 690.
 Color book, Combination-. J. M. Bacon. No. 895,227; Aug. 4; Sp. p. 902; Dr. p. 190; Gaz. vol. 135; p. 1046.
 Color combinations, Device for obtaining. R. A. Simpkin. No. 901,655; Oct. 20; Sp. p. 3313; Dr. p. 681; Gaz. vol. 136; p. 1653.
 Color-lake, Red. K. König. No. 878,964; Feb. 11; Sp. p. 2219; Gaz. vol. 132; p. 1232.
 Color-meter. F. E. Ives. No. 894,654; July 28; Sp. p. 4737; Dr. p. 984; Gaz. vol. 135; p. 826.
 Color-study device. E. F. Wagner. No. 898,290; Sept. 8; Sp. p. 2131; Dr. p. 453; Gaz. vol. 136; p. 368.
 Colors and the resultant article, Photomechanical reproduction of. C. G. Zander. No. 884,254; Apr. 7; Sp. p. 1205; Dr. p. 253; Gaz. vol. 133; p. 1382.
 Colors, Making lake. F. M. Winter. No. 905,264; Dec. 1; Sp. p. 279; Gaz. vol. 137; p. 1031.
 Colors, Making phosphorescent. W. J. Hammer. (Reissue.) No. 12,812; June 16; Sp. p. 4119; Gaz. vol. 134; p. 1778.
 Colors, Process of fixing. H. Toepler. No. 900,130; Oct. 6; Sp. p. 128; Gaz. vol. 136; p. 1093.
 Colors, Producing indulin. A. Ostrogovich and T. Silbermann. No. 900,302; Oct. 6; Sp. p. 489; Gaz. vol. 136; p. 1150.
 Colored light-rays, Producing. P. C. Hewitt. No. 907,598; Dec. 22; Sp. p. 4552; Gaz. vol. 137; p. 1880.
 Coloring material and making same. P. J. Maywald. No. 893,636; July 21; Sp. p. 2564; Gaz. vol. 135; p. 471.
 Colter. G. Conley. No. 885,019; Apr. 21; Sp. p. 2757; Dr. p. 585; Gaz. vol. 133; p. 1692.
 Colter. B. Ross. No. 889,486; June 2; Sp. p. 606; Dr. p. 141; Gaz. vol. 134; p. 1153.
 Colter. H. A. Taylor. No. 895,595; Aug. 11; Sp. p. 1643; Dr. p. 346; Gaz. vol. 135; p. 1189.
 Colter, Plow-. H. H. Wachter. No. 901,759; Oct. 20; Sp. p. 3565; Dr. p. 722; Gaz. vol. 136; p. 1689.
 Column. S. S. Hageman. No. 877,076; Jan. 21; Sp. p. 2861; Dr. p. 617; Gaz. vol. 132; p. 533.
 Column. W. H. Roney. No. 885,525; Apr. 21; Sp. p. 3812; Dr. p. 800; Gaz. vol. 133; p. 1855.
 Column. I. W. Numan. No. 888,114; May 19; Sp. p. 3597; Dr. p. 753; Gaz. vol. 134; p. 643.
 Column. J. Lally. No. 901,453; Oct. 20; Sp. p. 2912; Dr. p. 593; Gaz. vol. 136; p. 1588.
 Column. C. T. Cunnius. No. 902,209; Oct. 27; Sp. p. 4466; Dr. p. 903; Gaz. vol. 136; p. 1863.
 Column. E. H. Wentworth. No. 902,631; Nov. 3; Sp. p. 199; Gaz. vol. 137; p. 33.
 Column. V. I. Richards. No. 905,750; Dec. 1; Sp. p. 1263; Gaz. vol. 137; p. 1189.
 Column. J. Lally. No. 905,888; Dec. 8; Sp. p. 1529; Gaz. vol. 137; p. 1265.
 Column-base. G. L. Preacher. No. 902,448; Oct. 27; Sp. p. 4981; Dr. pp. 1006-7; Gaz. vol. 136; p. 1942.
 Column-clamp. R. J. and T. W. Batt and W. Branscombe. No. 894,104; July 21; Sp. p. 3592; Dr. p. 740; Gaz. vol. 135; p. 627.
 Column, Distilling-. R. Vallat. No. 903,636; Nov. 10; Sp. p. 2217; Gaz. vol. 137; p. 392.
 Column, Distilling or rectifying. R. Vallat. No. 903,637; Nov. 10; Sp. p. 2217; Gaz. vol. 137; p. 392.
 Column-futing machine. J. Neill. No. 879,571; Feb. 18; Sp. p. 3447; Dr. pp. 722-3; Gaz. vol. 132; p. 1470.
 Column for interior decoration. T. B. Lupo. No. 882,398; Mar. 17; Sp. p. 3798; Dr. p. 811; Gaz. vol. 133; p. 686.
 Column-forming machine. A. McKenzie. No. 907,084; Dec. 15; Sp. p. 3773; Gaz. vol. 137; p. 1672.
 Column-strap. J. Glover. No. 900,517; Oct. 6; Sp. p. 965; Dr. p. 195; Gaz. vol. 136; p. 1219.
 Column support and fastener, Porch-. J. M. Daugherty. No. 894,370; July 28; Sp. p. 4173; Dr. p. 862; Gaz. vol. 135; p. 734.
 Column, Wooden. O. A. Jose and S. Anderson. No. 901,176; Oct. 13; Sp. p. 2291; Dr. p. 468; Gaz. vol. 136; p. 1460.
 Columns, Joint structure for superimposed. C. R. Eberhard. No. 880,255; Feb. 25; Sp. p. 4952; Dr. p. 1046; Gaz. vol. 132; p. 1738.
 Columns, Vacuum clamping device for stove. G. W. Loggie. No. 893,000; July 14; Sp. p. 1256; Dr. p. 264; Gaz. vol. 135; p. 234.
 Comb. See Circle-comb; Currycomb; Hair-drying comb; Hair-retaining comb; Puff-comb; Retaining-comb; Toilet-comb.
 Comb. A. A. Angus. No. 879,126; Feb. 11; Sp. p. 2544; Dr. p. 529; Gaz. vol. 132; p. 1283.
 Comb. G. A. D'Isepo. No. 880,639; Mar. 3; Sp. p. 302; Dr. p. 67; Gaz. vol. 133; p. 53.
 Comb. G. P. Homeier. No. 893,242; July 14; Sp. p. 1725; Dr. p. 364; Gaz. vol. 135; p. 312.
 Comb. J. L. Combis. No. 894,816; Aug. 4; Sp. p. 28; Dr. p. 6; Gaz. vol. 135; p. 905.
 Comb. H. A. Metcalf. No. 895,483; Aug. 11; Sp. p. 1426; Dr. p. 299; Gaz. vol. 135; p. 1153.
 Comb. I. Fréchette. No. 896,373; Aug. 18; Sp. p. 3177; Dr. p. 682; Gaz. vol. 135; p. 1461.
 Comb-cleaner. F. Danner. No. 893,984; July 21; Sp. p. 3358; Dr. p. 687; Gaz. vol. 135; p. 586.
 Comb-cleaner. F. Fevola. No. 903,691; Nov. 10; Sp. p. 2321; Gaz. vol. 137; p. 407.
 Comb-cleaning device. W. T. Rice. No. 884,044; Apr. 7; Sp. p. 761; Dr. p. 159; Gaz. vol. 133; p. 1314.
 Comb-fastening device, Hair-. O. Klausner. No. 876,463; Jan. 14; Sp. p. 1573; Dr. p. 337; Gaz. vol. 132; p. 288.
 Comb holder, Side or back. W. Noble. No. 893,092; July 14; Sp. p. 1418; Dr. p. 300; Gaz. vol. 135; p. 263.
 Combs, Manufacturing cotton-. R. Jowett. No. 876,358; Jan. 14; Sp. p. 1333; Dr. pp. 289-90; Gaz. vol. 132; p. 253.
 Combers' effluents, Treatment of wool-. E. Dowie. No. 892,370; June 30; Sp. p. 6432; Gaz. vol. 134; p. 2218.
 Combining-machine. A. Wenning and C. H. Gégauff. No. 889,998; June 9; Sp. p. 1604; Dr. p. 359; Gaz. vol. 134; p. 1343.
 Combining-machine. M. Roth. No. 905,233; Dec. 1; Sp. p. 224; Gaz. vol. 137; p. 1021.
 Combining-machine draw-off device. C. Kröger. No. 905,714; Dec. 1; Sp. p. 1184; Gaz. vol. 137; p. 1176.
 Combining-machine for cotton. J. Jolly and P. E. Willis. No. 875,932; Jan. 7; Sp. p. 469; Dr. p. 101; Gaz. vol. 132; p. 84.
 Combination-lock. F. Soley. No. 897,228; Aug. 25; Sp. p. 4959; Dr. p. 1053; Gaz. vol. 135; p. 1765.
 Combination-lock. F. Soley. No. 900,438; Oct. 6; Sp. p. 773; Dr. pp. 159-60; Gaz. vol. 136; p. 1194.
 Combination-lock. W. H. Taylor. No. 904,236; Nov. 17; Sp. p. 3493; Gaz. vol. 137; p. 625.
 Combination-lock, Changeable. W. H. Taylor. No. 883,587; Mar. 31; Sp. p. 6201; Dr. pp. 1321-2; Gaz. vol. 133; p. 1136.
 Combination-lock, Changeable. W. H. Taylor. No. 907,915; Dec. 29; Sp. p. 5537; Gaz. vol. 137; p. 2014.
 Combustible materials, Gasification of raw. P. Hoering and W. Wielandt. No. 896,912; Aug. 25; Sp. p. 4304; Dr. pp. 920-1; Gaz. vol. 135; p. 1662.
 Combustion and oxidation, Device for purifying products of. A. A. Cunningham. No. 879,149; Feb. 18; Sp. p. 2591; Dr. p. 539; Gaz. vol. 132; p. 1332.

Alphabetical list of inventions—Continued.

- Combustion-chamber. S. A. Moss. No. 891,715; June 23; Sp. p. 5148; Dr. p. 1112; Gaz. vol. 134; p. 1972.
 Combustion-engine. F. Ottosen. No. 893,359; July 14; Sp. p. 1950; Dr. p. 409; Gaz. vol. 135; p. 350.
 Combustion-engine. O. G. Simmons. No. 903,902; Nov. 17; Sp. p. 2774; Gaz. vol. 137; p. 510.
 Combustion of fuel, Controlling the. H. J. Williams. No. 896,875; Aug. 25; Sp. p. 4204; Gaz. vol. 135; p. 1649.
 Combustion of fuel, Controlling the. H. J. Williams. No. 896,876; Aug. 25; Sp. p. 4206; Gaz. vol. 135; p. 1649.
 Commercial instrument. E. Kimber. No. 894,663; July 28; Sp. p. 4759; Dr. p. 988; Gaz. vol. 135; p. 829.
 Communiting frangible articles. C. H. J. Dilg and J. O. Fowler. No. 899,008; Sept. 15; Sp. p. 3485; Dr. p. 747; Gaz. vol. 136; p. 634.
 Commode. L. W. Price. No. 902,449; Oct. 27; Sp. p. 4984; Dr. pp. 1007-8; Gaz. vol. 136; p. 1942.
 Commode-chair, Child's portable. B. W. Pattinson. No. 898,597; Sept. 15; Sp. p. 2730; Dr. p. 584; Gaz. vol. 136; p. 500.
 Commode, Invalid's cabinet-. J. Jones. No. 902,737; Nov. 3; Sp. p. 407; Gaz. vol. 137; p. 70.
 Commode or closet seat. C. A. Eastman and R. H. Bethel. No. 876,705; Jan. 14; Sp. p. 2102; Dr. p. 457; Gaz. vol. 132; p. 372.
 Commutator. W. T. Hensley. No. 894,951; Aug. 4; Sp. p. 348; Dr. p. 70; Gaz. vol. 135; p. 951.
 Commutator-brushes, Pneumatic holder for. C. W. Speirs. No. 884,049; Apr. 7; Sp. p. 768; Dr. p. 160; Gaz. vol. 133; p. 1315.
 Commutator-cover. J. E. Webster. No. 878,167; Feb. 4; Sp. p. 574; Dr. p. 117; Gaz. vol. 132; p. 938.
 Commutator for dynamo-electric machines. F. H. Loring. No. 902,424; Oct. 27; Sp. p. 4945; Dr. p. 998; Gaz. vol. 136; p. 1934.
 Commutator for electric apparatus. F. W. Cox. No. 879,246; Feb. 18; Sp. p. 2771; Dr. p. 580; Gaz. vol. 132; p. 1364.
 Commutator for polyphase currents. A. Heyland. No. 882,682; Mar. 24; Sp. p. 4356; Dr. pp. 927-8; Gaz. vol. 133; p. 813.
 Commutator-motor, Single-phase. S. S. Seyfert. No. 891,784; June 23; Sp. p. 5276; Dr. pp. 1142-3; Gaz. vol. 134; p. 1996.
 Commutator-motor, Single-phase. M. C. A. Latour. No. 897,545; Sept. 1; Sp. p. 627; Dr. p. 130; Gaz. vol. 136; p. 98.
 Commutator-motor, Single-phase. G. W. Euker. No. 902,720; Nov. 3; Sp. p. 377; Gaz. vol. 137; p. 64.
 Commutator neck or lead. A. P. Peck. No. 903,881; Nov. 17; Sp. p. 2726; Gaz. vol. 137; p. 503.
 Commutator wiper and oiler. D. D. Neville, G. H. Clay, and J. H. Clewer. No. 885,278; Apr. 21; Sp. p. 3317; Dr. p. 693; Gaz. vol. 133; p. 1777.
 Commutators and preparing same, Carbon brush for. E. C. Van Nort, Jr. No. 875,750; Jan. 7; Sp. p. 139; Dr. p. 31; Gaz. vol. 132; p. 28.
 Compartment-can. F. M. Clapp. No. 908,205; Dec. 29; Sp. p. 6166; Gaz. vol. 137; p. 2111.
 Compass attachment. J. T. Lihon. No. 908,110; Dec. 29; Sp. p. 5937; Gaz. vol. 137; p. 2078.
 Compass, Beam-. M. A. Smith. No. 893,881; July 21; Sp. p. 3136; Dr. p. 644; Gaz. vol. 135; p. 551.
 Compass-head. G. Schoenmer. No. 877,239; Jan. 21; Sp. p. 3209; Dr. p. 695; Gaz. vol. 132; p. 590.
 Compass-point, Interchangeable. J. Eichmüller. No. 889,447; June 2; Sp. p. 513; Dr. p. 121; Gaz. vol. 134; p. 1140.
 Compasses. G. Schoenmer. No. 882,171; Mar. 17; Sp. p. 3391; Dr. p. 720; Gaz. vol. 133; p. 613.
 Compasses, Drawing-. G. Schoenmer. No. 902,257; Oct. 27; Sp. p. 4566; Dr. p. 927; Gaz. vol. 136; p. 1878.
 Compensated motor. E. F. W. Alexanderson. No. 876,924; Jan. 21; Sp. p. 2530; Dr. p. 553; Gaz. vol. 132; p. 481.
 Compensator, Recoil-. F. J. Mellen and B. A. Edwards. No. 896,136; Aug. 18; Sp. p. 2697; Dr. p. 582; Gaz. vol. 135; p. 1384.
 Composing-machine, Record-strip. J. S. Bancroft and M. C. Indahl. No. 883,377; Mar. 31; Sp. p. 5761; Dr. pp. 1230-1; Gaz. vol. 133; p. 1069.
 Composite structure, Reinforced. P. T. C. Dumais. No. 875,699; Jan. 7; Sp. p. 38; Dr. pp. 8-9; Gaz. vol. 132; p. 9.
 Composition. J. H. Batchelder. No. 900,256; Oct. 6; Sp. p. 374; Gaz. vol. 136; p. 1133.
 Composition of matter. R. F. Nowalk. No. 878,662; Feb. 11; Sp. p. 1651; Gaz. vol. 132; p. 1137.
 Composition of matter. C. Ellis. No. 879,375; Feb. 18; Sp. p. 3033; Gaz. vol. 132; p. 1406.
 Composition of matter. W. H. Thrash. No. 883,843; Apr. 7; Sp. p. 352; Gaz. vol. 133; p. 1247.
 Composition of matter. H. L. Lilienthal. No. 885,768; Apr. 28; Sp. p. 4323; Gaz. vol. 133; p. 1962.
 Composition of matter. S. Brown. No. 885,976; Apr. 28; Sp. p. 4761; Gaz. vol. 133; p. 2033.
 Composition of matter. H. W. Wortche. No. 887,173; May 12; Sp. p. 1644; Gaz. vol. 134; p. 302.
 Composition of matter. F. A. Lobert. No. 896,558; Aug. 18; Sp. p. 3545; Gaz. vol. 135; p. 1522.
 Composition of matter. A. E. Gooch. No. 898,044; Sept. 8; Sp. p. 1668; Gaz. vol. 136; p. 292.
 Composition of matter and making the same. W. A. Phillips. No. 896,240; Aug. 18; Sp. p. 2891; Gaz. vol. 135; p. 1420.
 Compost-spreader. H. A. Arnold. No. 885,217; Apr. 21; Sp. p. 3202; Dr. p. 669; Gaz. vol. 133; p. 1757.
 Compound engine. M. H. Sullivan. No. 886,438; May 5; Sp. p. 191; Dr. p. 42; Gaz. vol. 134; p. 36.
 Compound engine. J. E. J. Goodlett. No. 906,703; Dec. 15; Sp. p. 3062; Gaz. vol. 137; p. 1552.
 Compound engine, Reversible explosive. F. J. Woolf. No. 878,925; Feb. 11; Sp. p. 2148; Dr. p. 449; Gaz. vol. 132; p. 1220.
 Compression-coupling. W. S. Burgess. No. 906,099; Dec. 8; Sp. p. 1936; Gaz. vol. 137; p. 1331.
 Compressor. E. W. Roberts. No. 883,347; Mar. 31; Sp. p. 5686; Dr. pp. 1214-15; Gaz. vol. 133; p. 1059.
 Compressor. B. E. Hill. No. 884,332; Apr. 7; Sp. p. 1332; Dr. p. 283; Gaz. vol. 133; p. 1406.
 Compressor. H. Kuehl. No. 898,659; Sept. 15; Sp. p. 2862; Dr. p. 611; Gaz. vol. 136; p. 521.
 Compressor, Air-. C. W. Moore. No. 905,211; Dec. 1; Sp. p. 180; Gaz. vol. 137; p. 1013.
 Compressor, Hydraulic. L. E. L. Themke and S. McCordia. No. 903,420; Nov. 10; Sp. p. 1757; Gaz. vol. 137; p. 320.
 Compressor or blower. F. J. McCarty. No. 887,955; May 19; Sp. p. 3288; Dr. p. 691; Gaz. vol. 134; p. 592.
 Compressor-regulator. F. E. Norton and I. H. Reynolds. No. 882,338; Mar. 17; Sp. p. 3701; Dr. p. 787; Gaz. vol. 133; p. 667.
 Compressor-regulator, Air-. G. W. Hunneymann. No. 907,054; Dec. 15; Sp. p. 3720; Gaz. vol. 137; p. 1663.
 Compressor, Rotary. C. C. Palmer. No. 885,783; Apr. 28; Sp. p. 4352; Dr. p. 913; Gaz. vol. 133; p. 1967.
 Compressor, Rotary. C. C. Palmer. No. 889,398; June 2; Sp. p. 418; Dr. p. 98; Gaz. vol. 134; p. 1124.
 Compressor, Thermo-. C. Prache. No. 904,276; Nov. 17; Sp. p. 3565; Gaz. vol. 137; p. 638.
 Compressor, Variable-capacity. B. V. Nordberg. No. 900,418; Oct. 6; Sp. p. 724; Dr. p. 151; Gaz. vol. 136; p. 1187.
 Computer. R. D. Buchans. No. 896,710; Aug. 25; Sp. p. 3836; Dr. pp. 830-1; Gaz. vol. 135; p. 1592.
 Computing and recording machine. W. H. McFarland. No. 895,664; Aug. 11; Sp. p. 1772; Dr. pp. 376-7; Gaz. vol. 135; p. 1211.
 Computing-machine. A. S. Dennis. (Reissue.) No. 12,748; Feb. 4; Sp. p. 1221; Dr. pp. 252-3; Gaz. vol. 132; p. 1045.
 Computing-machine. R. von Reppert. No. 895,522; Apr. 21; Sp. p. 3778; Dr. pp. 795-9; Gaz. vol. 133; p. 1854.
 Computing-machine. J. T. Uebbing and H. Marshall. No. 888,555; May 26; Sp. p. 4463; Dr. p. 946; Gaz. vol. 134; p. 818.
 Computing-machine. H. J. Burtis. No. 890,600; June 16; Sp. p. 2840; Dr. p. 625; Gaz. vol. 134; p. 1573.
 Computing-machine. J. T. Jackson. No. 893,628; July 21; Sp. p. 2541; Dr. p. 530; Gaz. vol. 135; p. 468.
 Computing-machine. R. R. Lane. No. 895,773; Aug. 11; Sp. p. 1993; Dr. p. 421; Gaz. vol. 135; p. 1247.
 Computing-machine. F. P. Glasner and J. J. Glasier. No. 901,092; Oct. 13; Sp. p. 2146; Dr. pp. 438-9; Gaz. vol. 136; p. 1433.
 Computing-machine. A. F. Johnson. No. 903,984; Nov. 17; Sp. p. 2941; Gaz. vol. 137; p. 537.
 Computing machine Wage-. G. E. O'Brien. No. 894,042; July 21; Sp. p. 3480; Dr. p. 713; Gaz. vol. 135; p. 606.
 Concentrates and slimes, Saving the values of. S. M. Smith. No. 895,509; Aug. 11; Sp. p. 1470; Dr. p. 308; Gaz. vol. 135; p. 1162.
 Concentrating apparatus. P. T. Hambric. No. 878,879; Feb. 11; Sp. p. 2060; Dr. p. 427; Gaz. vol. 132; p. 1206.
 Concentrating apparatus. J. P. Evans and R. P. Akins. No. 885,692; Apr. 21; Sp. p. 4148; Dr. pp. 868-9; Gaz. vol. 133; p. 1908.
 Concentrating apparatus. W. E. Darrow. No. 898,331; Sept. 8; Sp. p. 2203; Dr. pp. 467-8; Gaz. vol. 136; p. 382.
 Concentrating apparatus. W. E. Darrow. No. 906,205; Dec. 8; Sp. p. 2138; Gaz. vol. 137; p. 1367.
 Concentrating solutions, Apparatus for. E. Monti. No. 893,006; July 14; Sp. p. 1265; Dr. pp. 266-7; Gaz. vol. 135; p. 236.
 Concentrating-table. J. C. Fisher. No. 879,250; Feb. 18; Sp. p. 2778; Dr. p. 582; Gaz. vol. 132; p. 1366.
 Concentrating-table. J. D. Kohlmann. No. 885,349; Apr. 21; Sp. p. 3475; Dr. pp. 723-4; Gaz. vol. 133; p. 1801.
 Concentrating-table. A. M. Kemp, M. W. Loomis, and J. E. Fitzwater. No. 900,285; Oct. 6; Sp. p. 459; Dr. p. 94; Gaz. vol. 136; p. 1144.
 Concentrating-tables, Box-cleaning device for. E. H. Shackelford. No. 879,012; Feb. 11; Sp. p. 2308; Dr. pp. 482-3; Gaz. vol. 132; p. 1247.
 Concentrating-tables, Head-motion for. S. H. Boylan. No. 901,585; Oct. 20; Sp. p. 3186; Dr. pp. 649-50; Gaz. vol. 136; p. 1632.
 Concentrator. J. E. Doggwyler. No. 878,363; Feb. 4; Sp. p. 953; Dr. p. 191; Gaz. vol. 132; p. 1003.
 Concentrator. M. P. Boss. No. 878,861; Feb. 11; Sp. p. 2027; Dr. pp. 418-19; Gaz. vol. 132; p. 1200.
 Concentrator. J. Mait. No. 879,481; Feb. 18; Sp. p. 3264; Dr. p. 680; Gaz. vol. 132; p. 1440.
 Concentrator. R. H. Manley. No. 899,312; Sept. 22; Sp. p. 4100; Dr. p. 876; Gaz. vol. 136; p. 760.
 Concentrator-actuating mechanism. W. L. and F. S. Card. No. 907,736; Dec. 29; Sp. p. 5169; Gaz. vol. 137; p. 1955.
 Concentrator, Centrifugal. E. Hearing and F. A. Dudley. No. 876,642; Jan. 14; Sp. p. 1982; Dr. p. 431; Gaz. vol. 132; p. 351.
 Concentrator, Dry. B. C. Gillette. No. 888,156; May 19; Sp. p. 3666; Dr. p. 766; Gaz. vol. 134; p. 655.
 Concentrator, Dry. H. P. Curtis. No. 891,409; June 23; Sp. p. 4514; Dr. p. 982; Gaz. vol. 134; p. 1871.
 Concentrator for solutions. J. U. Lloyd. No. 891,492; June 23; Sp. p. 4677; Dr. p. 1013; Gaz. vol. 134; p. 1898.
 Concentrator, Mineral-. C. O. Michaelsen. No. 880,808; Mar. 3; Sp. p. 644; Dr. p. 135; Gaz. vol. 133; p. 111.
 Concrete and like pipes, Manufacture of. O. Kjellström. No. 887,255; May 12; Sp. p. 1830; Dr. pp. 386-7; Gaz. vol. 134; p. 327.
 Concrete and other like structures, Apparatus for building. W. C. Polk. No. 908,326; Dec. 29; Sp. p. 6409; Gaz. vol. 137; p. 2153.
 Concrete and the like, Apparatus for molding. C. Dietrichs. No. 880,201; Feb. 25; Sp. p. 4772; Dr. p. 1010; Gaz. vol. 132; p. 1710.
 Concrete and the like, Machine for mixing. T. L. Smith. No. 883,498; Mar. 31; Sp. p. 6029; Dr. pp. 1287-8; Gaz. vol. 133; p. 1111.
 Concrete and tile construction, Centering for. W. S. King. No. 893,328; July 14; Sp. p. 1890; Dr. p. 395; Gaz. vol. 135; p. 340.

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- Concrete, &c., Apparatus for molding conduits in. D. L. Hough. No. 896,914; Aug. 25; Sp. p. 4312; Dr. pp. 923-4; Gaz. vol. 135; p. 1662.
- Concrete ash-pit. J. W. Graham and C. A. Jones. No. 881,678; Mar. 10; Sp. p. 2357; Dr. p. 510; Gaz. vol. 133; p. 423.
- Concrete beam, Reinforced-. H. B. Andrews. No. 896,679; Aug. 18; Sp. p. 3767; Dr. p. 814; Gaz. vol. 135; p. 1559.
- Concrete bins, Knockdown form for the construction of. J. H. Reeves. No. 907,878; Dec. 29; Sp. p. 5447; Gaz. vol. 137; p. 2002.
- Concrete block. J. R. King. No. 884,498; Apr. 14; Sp. p. 1680; Dr. p. 362; Gaz. vol. 133; p. 1490.
- Concrete block. J. W. White. No. 891,313; June 23; Sp. p. 4316; Dr. p. 942; Gaz. vol. 134; p. 1839.
- Concrete-block-forming machine. J. Ingells. No. 811,423; June 23; Sp. p. 4543; Dr. p. 988; Gaz. vol. 134; p. 1875.
- Concrete block, Hollow. H. N. Pettigrew. No. 882,414; Mar. 17; Sp. p. 3825; Dr. p. 817; Gaz. vol. 133; p. 691.
- Concrete-block-machine. F. Morcher. No. 876,280; Jan. 7; Sp. p. 1161; Dr. p. 254; Gaz. vol. 132; p. 195.
- Concrete-block-machine. A. T. Barnes. No. 880,495; Mar. 3; Sp. p. 8; Dr. p. 2; Gaz. vol. 133; p. 4.
- Concrete-block-machine. A. Pierce. No. 901,825; Oct. 20; Sp. p. 3690; Dr. p. 749; Gaz. vol. 136; p. 1710.
- Concrete-block mold. B. A. Fuller and M. Bateman. No. 887,933; May 19; Sp. p. 3252; Dr. p. 683; Gaz. vol. 134; p. 585.
- Concrete-block mold, Hollow-. L. S. Johnson. No. 887,814; May 19; Sp. p. 3010; Dr. p. 633; Gaz. vol. 134; p. 546.
- Concrete-block-molding machine. W. H. Phillips. No. 894,744; July 28; Sp. p. 4904; Dr. p. 1020-1; Gaz. vol. 135; p. 856.
- Concrete-block press. E. S. Redmond. No. 895,195; Aug. 4; Sp. p. 841; Dr. p. 177; Gaz. vol. 135; p. 1033.
- Concrete-block-press machine. F. E. Wilkison. No. 894,089; July 21; Sp. p. 3567; Dr. pp. 734-5; Gaz. vol. 135; p. 622.
- Concrete blocks, Device for carrying and setting. D. S. Wolgamott. No. 884,434; Apr. 14; Sp. p. 1541; Dr. p. 331; Gaz. vol. 133; p. 1469.
- Concrete bridge. M. O. Burnett. No. 887,189; May 12; Sp. p. 1672; Dr. p. 355; Gaz. vol. 134; p. 307.
- Concrete-building-block mold. C. J. Scheelky. No. 896,330; Aug. 18; Sp. p. 3088; Dr. pp. 664-5; Gaz. vol. 135; p. 1448.
- Concrete-building-block-molding machine. C. W. De Armon and J. L. McKinney. No. 904,513; Nov. 24; Sp. p. 4075; Gaz. vol. 137; p. 743.
- Concrete-building-block wall. F. M. Henry. No. 877,996; Feb. 4; Sp. p. 195; Dr. p. 44; Gaz. vol. 132; p. 882.
- Concrete-building-block wall. F. M. Henry. No. 877,997; Feb. 4; Sp. p. 197; Dr. p. 44; Gaz. vol. 132; p. 882.
- Concrete-building-blocks, Divided bond for two-membered. L. B. Larsen. No. 903,734; Nov. 10; Sp. p. 2389; Gaz. vol. 137; p. 420.
- Concrete building-blocks, Machine for constructing hollow. J. Fish. No. 900,272; Oct. 6; Sp. p. 432; Dr. p. 88; Gaz. vol. 136; p. 1139.
- Concrete building, Reinforced-. G. M. Graham. No. 875,804; Jan. 7; Sp. p. 242; Dr. p. 52; Gaz. vol. 132; p. 45.
- Concrete building-wall. M. G. Mandt. No. 901,017; Oct. 13; Sp. p. 2010; Dr. p. 408; Gaz. vol. 136; p. 1410.
- Concrete buildings, Apparatus for use in construction of. N. C. Newerl. No. 892,543; July 7; Sp. p. 290; Dr. pp. 63-4; Gaz. vol. 135; p. 55.
- Concrete ceilings, Stay or support with steps for producing. C. Bürker, J. and J. Klee. No. 906,195; Dec. 8; Sp. p. 2123; Gaz. vol. 137; p. 1364.
- Concrete chimney-block. J. W. White. No. 891,312; June 23; Sp. p. 4315; Dr. p. 941; Gaz. vol. 134; p. 1839.
- Concrete-column reinforcement. A. A. Clement. No. 904,841; Nov. 24; Sp. p. 4760; Gaz. vol. 137; p. 854.
- Concrete columns, Metal reinforcement for reinforced-. E. McClure. No. 905,090; Nov. 24; Sp. p. 5256; Gaz. vol. 137; p. 936.
- Concrete columns or pillars, Clamp for mold-forms for. W. H. Healy. No. 907,496; Dec. 22; Sp. p. 4642; Gaz. vol. 137; p. 1848.
- Concrete composition for building material. H. S. Albrecht. No. 889,569; June 2; Sp. p. 752; Dr. p. 173; Gaz. vol. 134; p. 1178.
- Concrete construction. J. B. Clayton. No. 875,983; Jan. 7; Sp. p. 584; Dr. p. 125; Gaz. vol. 132; p. 101.
- Concrete construction. M. E. Fenner. No. 901,798; Oct. 20; Sp. p. 3646; Dr. p. 737; Gaz. vol. 136; p. 1702.
- Concrete construction. R. T. Brown. No. 902,204; Oct. 27; Sp. p. 4459; Dr. p. 902; Gaz. vol. 136; p. 1862.
- Concrete construction. F. Melber. No. 902,311; Oct. 27; Sp. p. 4694; Dr. p. 951; Gaz. vol. 136; p. 1897.
- Concrete construction, Armored. E. Coigne. No. 905,056; Nov. 24; Sp. p. 5184; Gaz. vol. 137; p. 925.
- Concrete-construction bar. J. H. Schlafly. No. 896,589; Aug. 18; Sp. p. 3602; Dr. p. 774; Gaz. vol. 135; p. 1533.
- Concrete construction, Bar for reinforced. E. E. Slick. No. 882,273; Mar. 17; Sp. p. 3581; Dr. p. 760; Gaz. vol. 133; p. 645.
- Concrete construction for buildings, Reinforced. H. H. Wheeler. No. 884,306; Apr. 7; Sp. p. 1282; Dr. p. 271; Gaz. vol. 133; p. 1397.
- Concrete-construction form. C. M. Markham. No. 903,996; Nov. 17; Sp. p. 2961; Gaz. vol. 137; p. 541.
- Concrete-construction form. W. L. Axiom. No. 907,438; Dec. 22; Sp. p. 4527; Gaz. vol. 137; p. 1828.
- Concrete construction, Framing-support for. T. Corris. No. 883,859; Apr. 7; Sp. p. 380; Dr. p. 74; Gaz. vol. 133; p. 1252.
- Concrete construction, Marine. J. T. Bertrand. No. 884,354; Apr. 14; Sp. p. 1391; Dr. p. 298; Gaz. vol. 133; p. 1442.
- Concrete-construction member, Reinforced-. R. Anderson. No. 894,997; Aug. 4; Sp. p. 453; Dr. pp. 91-2; Gaz. vol. 135; p. 967.
- Concrete construction, Mold-plate for. E. G. Kemper. No. 884,166; Apr. 7; Sp. p. 1052; Dr. p. 219; Gaz. vol. 133; p. 1354.
- Concrete construction, Reinforced. F. N. Comitot. No. 876,694; Jan. 14; Sp. p. 2083; Dr. p. 453; Gaz. vol. 132; p. 368.
- Concrete construction, Reinforced. R. G. Reuther. No. 877,734; Jan. 28; Sp. p. 4185; Dr. p. 907; Gaz. vol. 132; p. 769.
- Concrete construction, Reinforced. P. Stragiotti. No. 882,216; Mar. 17; Sp. p. 3458; Dr. pp. 735-6; Gaz. vol. 133; p. 625.
- Concrete construction, Reinforced. R. H. Aiken. No. 889,083; May 26; Sp. p. 5547; Dr. p. 1178; Gaz. vol. 134; p. 990.
- Concrete construction, Reinforced. J. W. Linzee, Jr. No. 890,428; June 9; Sp. p. 2484; Dr. p. 550; Gaz. vol. 134; p. 1485.
- Concrete construction, Reinforced. C. R. Steiner. No. 903,909; Nov. 17; Sp. p. 2792; Gaz. vol. 137; p. 513.
- Concrete-construction reinforcing-bar. J. V. Jenkins. No. 904,785; Nov. 24; Sp. p. 4644; Gaz. vol. 137; p. 835.
- Concrete construction, Reinforcement for. J. O. Ellinger. No. 890,033; June 9; Sp. p. 1674; Dr. p. 372; Gaz. vol. 134; p. 1356.
- Concrete construction, Reinforcement for. J. O. Ellinger. No. 890,035; June 9; Sp. p. 1679; Dr. pp. 373-4; Gaz. vol. 134; p. 1356.
- Concrete construction, Reinforcement for. J. O. Ellinger. No. 890,036; June 9; Sp. p. 1682; Dr. p. 374; Gaz. vol. 134; p. 1357.
- Concrete construction, Tension and supporting member for. J. Tuteur. No. 897,035; Aug. 25; Sp. p. 4572; Dr. p. 975; Gaz. vol. 135; p. 1703.
- Concrete construction, Tension-bar for. G. S. Miles. No. 904,977; Nov. 24; Sp. p. 5039; Gaz. vol. 137; p. 898.
- Concrete construction, Unit-bar for. J. O. Ellinger. No. 890,032; June 9; Sp. p. 1670; Dr. p. 372; Gaz. vol. 134; p. 1355.
- Concrete construction, Unit-frame for. J. O. Ellinger. No. 890,034; June 9; Sp. p. 1677; Dr. p. 373; Gaz. vol. 134; p. 1356.
- Concrete construction, Unit reinforcement for. R. A. Cummings. No. 884,010; Apr. 7; Sp. p. 692; Dr. p. 139; Gaz. vol. 133; p. 1303.
- Concrete constructions, &c., Device for. G. S. Miles. No. 904,978; Nov. 24; Sp. p. 5042; Gaz. vol. 137; p. 899.
- Concrete-conveyer. J. W. Buzzell and W. H. Larkin, Jr. No. 894,813; Aug. 4; Sp. p. 19; Dr. p. 4; Gaz. vol. 135; p. 904.
- Concrete cross-tie, Reinforced. J. H. Bowditch. No. 894,253; July 28; Sp. p. 3939; Dr. p. 812; Gaz. vol. 135; p. 695.
- Concrete culverts, Core for making. W. E. Wallace. No. 879,340; Feb. 18; Sp. p. 2953; Dr. p. 616; Gaz. vol. 132; p. 1395.
- Concrete curb-block, Interlocking. S. L. Davis. No. 895,243; Aug. 4; Sp. p. 955; Dr. p. 200; Gaz. vol. 135; p. 1051.
- Concrete drain-tie, Mold for forming. S. L. Sheets. No. 904,900; Nov. 24; Sp. p. 4889; Gaz. vol. 137; p. 873.
- Concrete edge-protector. E. F. Glock. No. 893,320; July 14; Sp. p. 1877; Dr. p. 393; Gaz. vol. 135; p. 338.
- Concrete fence-post. H. A. McElhinney. No. 887,498; May 12; Sp. p. 2394; Dr. p. 504; Gaz. vol. 134; p. 411.
- Concrete fence-post. C. Kubach. No. 897,632; Sept. 1; Sp. p. 797; Dr. p. 168; Gaz. vol. 136; p. 127.
- Concrete floor and ceiling, Reinforced-. G. M. Graham. No. 888,999; May 26; Sp. p. 5399; Dr. p. 1146; Gaz. vol. 134; p. 964.
- Concrete floor construction. F. C. Taxis. No. 888,671; May 26; Sp. p. 4716; Dr. p. 1003; Gaz. vol. 134; p. 858.
- Concrete flooring, Reinforced-. W. P. Anderson and L. H. Nolte. No. 875,975; Jan. 7; Sp. p. 564; Dr. p. 121; Gaz. vol. 132; p. 98.
- Concrete-form holder and adjuster. J. G. Hosmer. No. 904,433; Nov. 17; Sp. p. 3883; Gaz. vol. 137; p. 690.
- Concrete manifold system. G. W. Knight. No. 891,998; June 30; Sp. p. 5732; Dr. p. 1233; Gaz. vol. 134; p. 2097.
- Concrete, Means for reinforcing. E. G. Du Mazuel. No. 876,471; Jan. 14; Sp. p. 1586; Dr. p. 341; Gaz. vol. 132; p. 290.
- Concrete, Metal reinforce for. W. W. Ramsey. No. 884,341; Apr. 7; Sp. p. 1349; Dr. p. 288; Gaz. vol. 133; p. 1409.
- Concrete, Metallic reinforcement of. A. Thomas. No. 887,710; May 12; Sp. p. 2775; Dr. p. 586; Gaz. vol. 134; p. 481.
- Concrete-mixer. R. B. Fulton. No. 876,270; Jan. 7; Sp. p. 1143; Dr. pp. 248-9; Gaz. vol. 132; p. 192.
- Concrete-mixer. H. Besser. No. 879,808; Feb. 18; Sp. p. 3924; Dr. pp. 822-3; Gaz. vol. 132; p. 1547.
- Concrete-mixer. F. B. Gulzow. No. 881,236; Mar. 10; Sp. p. 1489; Dr. pp. 320-1; Gaz. vol. 133; p. 281.
- Concrete-mixer. J. D. Luttrell. No. 882,830; Mar. 24; Sp. p. 4654; Dr. pp. 990-1; Gaz. vol. 133; p. 861.
- Concrete-mixer. P. A. Koehring. No. 884,667; Apr. 14; Sp. p. 2060; Dr. p. 440; Gaz. vol. 133; p. 1545.
- Concrete-mixer. J. H. Stewart. No. 886,434; May 5; Sp. p. 185; Dr. p. 40; Gaz. vol. 134; p. 30.
- Concrete-mixer. J. F. Crowe. No. 886,680; May 5; Sp. p. 681; Dr. p. 141; Gaz. vol. 134; p. 116.
- Concrete-mixer. P. P. De Bogory. No. 886,768; May 5; Sp. p. 896; Dr. p. 186; Gaz. vol. 134; p. 147.
- Concrete-mixer. A. E. Schenck. No. 887,854; May 19; Sp. p. 3095; Dr. p. 649; Gaz. vol. 134; p. 558.
- Concrete-mixer. G. J. Stafford. No. 888,198; May 19; Sp. p. 3738; Dr. pp. 784-6; Gaz. vol. 134; p. 669.
- Concrete-mixer. G. J. Stafford. No. 888,199; May 19; Sp. p. 3744; Dr. p. 786; Gaz. vol. 134; p. 669.
- Concrete-mixer. S. Knisley. No. 891,345; June 23; Sp. p. 4383; Dr. p. 954; Gaz. vol. 134; p. 1849.
- Concrete-mixer. G. P. White. No. 891,756; June 23; Sp. p. 5221; Dr. pp. 1130-1; Gaz. vol. 134; p. 1985.
- Concrete-mixer. J. Fish. No. 892,239; June 30; Sp. p. 6184; Dr. pp. 1332-3; Gaz. vol. 134; p. 2175.
- Concrete-mixer. J. Carlen. No. 892,399; July 7; Sp. p. 20; Dr. p. 6; Gaz. vol. 135; p. 6.
- Concrete-mixer. C. C. Lorenz. No. 895,651; Aug. 11; Sp. p. 1744; Dr. p. 369; Gaz. vol. 135; p. 1207.
- Concrete-mixer. T. H. Bolte. No. 898,958; Sept. 15; Sp. p. 3393; Dr. pp. 728-9; Gaz. vol. 136; p. 618.
- Concrete-mixer. P. A. Koehring. No. 899,414; Sept. 22; Sp. p. 4272; Dr. pp. 916-17; Gaz. vol. 136; p. 792.
- Concrete-mixer. N. E. Marsh. No. 899,549; Sept. 29; Sp. p. 4559; Dr. p. 980; Gaz. vol. 136; p. 873.
- Concrete-mixer. J. E. McKeon. No. 901,024; Oct. 13; Sp. p. 2023; Dr. p. 410; Gaz. vol. 136; p. 1412.
- Concrete-mixer. A. R. Hannaford. No. 901,340; Oct. 20; Sp. p. 2628; Dr. p. 540; Gaz. vol. 136; p. 1548.

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- Concrete-mixer. W. Wolter and H. H. Stottko. No. 903,426; Nov. 10; Sp. p. 1773; Gaz. vol. 137; p. 322.
 Concrete-mixer. E. B. Ravencroft. No. 907,284; Dec. 22; Sp. p. 4222; Gaz. vol. 137; p. 1777.
 Concrete-mixer. A. D. Ney. No. 908,120; Dec. 29; Sp. p. 5960; Gaz. vol. 137; p. 2081.
 Concrete mixer and conveyor. J. B. Thies. No. 892,630; July 7; Sp. p. 465; Dr. p. 99; Gaz. vol. 135; p. 83.
 Concrete-mixer, Rotary. P. Olson. No. 890,086; June 9; Sp. p. 1781; Dr. p. 394; Gaz. vol. 134; p. 1374.
 Concrete-mixers, Unloading apparatus for. H. Davis. No. 885,448; Apr. 21; Sp. p. 3655; Dr. pp. 766-7; Gaz. vol. 133; p. 1832.
 Concrete-mixing apparatus. J. F. D. Withrow. No. 884,698; Apr. 14; Sp. p. 2111; Dr. p. 451; Gaz. vol. 133; p. 1556.
 Concrete-mixing apparatus. C. B. Dunn. No. 888,975; May 26; Sp. p. 5358; Dr. p. 1137; Gaz. vol. 134; p. 956.
 Concrete-mixing apparatus. P. C. Hains. Sr. No. 890,641; June 16; Sp. p. 2938; Dr. p. 644; Gaz. vol. 134; p. 1587.
 Concrete-mixing apparatus. A. G. Axelsson. No. 892,496; July 7; Sp. p. 213; Dr. p. 44; Gaz. vol. 135; p. 39.
 Concrete-mixing apparatus. A. von Siller. No. 894,749; July 28; Sp. p. 4911; Dr. p. 1022; Gaz. vol. 135; p. 857.
 Concrete-mixing drum. P. A. Koehring. No. 899,415; Sept. 22; Sp. p. 4273; Dr. p. 917; Gaz. vol. 136; p. 792.
 Concrete-mixing machine. R. T. Sollitt. No. 883,983; Apr. 7; Sp. p. 638; Dr. pp. 127-9; Gaz. vol. 133; p. 1294.
 Concrete-mixing machine. R. J. Sellentine. No. 886,018; Apr. 28; Sp. p. 4858; Dr. pp. 1021-2; Gaz. vol. 133; p. 2047.
 Concrete-mold. W. B. Weldon. No. 904,033; Nov. 17; Sp. p. 3042; Gaz. vol. 137; p. 553.
 Concrete-mold, Portable. D. W. Smith. No. 902,922; Nov. 3; Sp. p. 785; Gaz. vol. 137; p. 130.
 Concrete-molding device. W. C. Neeley. No. 898,911; Sept. 15; Sp. p. 3319; Dr. p. 711; Gaz. vol. 136; p. 603.
 Concrete or cement brick molding machine. J. S. Fish. No. 890,039; June 9; Sp. p. 1700; Dr. pp. 377-8; Gaz. vol. 134; p. 1358.
 Concrete or cement construction, Reinforcement for. W. C. Gabriel. No. 893,792; July 21; Sp. p. 2950; Dr. p. 663; Gaz. vol. 135; p. 523.
 Concrete or cement pipe. E. H. Ames. No. 893,695; July 21; Sp. p. 2668; Dr. p. 560; Gaz. vol. 135; p. 490.
 Concrete pile. J. M. Braxton. No. 878,765; Feb. 11; Sp. p. 1850; Dr. p. 382; Gaz. vol. 132; p. 1170.
 Concrete pile. F. B. Gilbreth. No. 885,337; Apr. 21; Sp. p. 3443; Dr. p. 718; Gaz. vol. 133; p. 1797.
 Concrete pile and constructing the same. F. Shuman. No. 898,517; Sept. 15; Sp. p. 2576; Dr. pp. 550-1; Gaz. vol. 136; p. 475.
 Concrete pile and forming the same. M. M. Upson. No. 903,246; Nov. 10; Sp. p. 1428; Gaz. vol. 137; p. 264.
 Concrete pile-covering. F. A. Koetitz. No. 884,668; Apr. 14; Sp. p. 2061; Dr. p. 441; Gaz. vol. 133; p. 1546.
 Concrete piles, Apparatus for sinking. F. B. Gilbreth. No. 890,765; June 16; Sp. p. 3208; Dr. p. 700; Gaz. vol. 134; p. 1629.
 Concrete piles, Forming. R. J. Beall, Jr. No. 903,126; Nov. 3; Sp. p. 1183; Gaz. vol. 137; p. 193.
 Concrete pipe. C. Meriwether. No. 894,517; July 28; Sp. p. 4468; Dr. p. 925; Gaz. vol. 135; p. 782.
 Concrete pipe, Reinforced-. C. H. Cartledge. No. 889,440; June 2; Sp. p. 493; Dr. p. 118; Gaz. vol. 134; p. 1138.
 Concrete post, Metal-reinforced. L. J. Husted. No. 901,449; Oct. 20; Sp. p. 2908; Dr. p. 592; Gaz. vol. 136; p. 1587.
 Concrete post, Reinforced-. I. L. Graham. No. 892,826; July 7; Sp. p. 855; Dr. p. 182; Gaz. vol. 135; p. 146.
 Concrete, Preparing and storing. J. H. Magens. No. 876,466; Jan. 14; Sp. p. 1576; Gaz. vol. 132; p. 289.
 Concrete, Protective setting for metallic bodies in. R. T. Kanski. No. 889,240; June 2; Sp. p. 93; Dr. p. 21; Gaz. vol. 134; p. 1073.
 Concrete railway-sleeper, Reinforced-. M. Brukner. No. 906,686; Dec. 15; Sp. p. 3031; Gaz. vol. 137; p. 1546.
 Concrete railway-tie. W. B. Westbrook. No. 901,403; Oct. 20; Sp. p. 2794; Dr. p. 569; Gaz. vol. 136; p. 1571.
 Concrete, Reinforced bar for. C. F. Varney. No. 881,834; Mar. 10; Sp. p. 2663; Dr. p. 570; Gaz. vol. 133; p. 473.
 Concrete, Reinforcing. O. N. Mueller. No. 876,480; Jan. 14; Sp. p. 1600; Dr. p. 344; Gaz. vol. 132; p. 293.
 Concrete-reinforcing bar. W. W. Ramsey. No. 881,618; Mar. 10; Sp. p. 2253; Dr. p. 489; Gaz. vol. 133; p. 406.
 Concrete-reinforcing bar. C. E. Johnson. No. 884,090; Apr. 7; Sp. p. 854; Dr. pp. 179-80; Gaz. vol. 133; p. 1328.
 Concrete reinforcement. J. J. Whitacre. No. 891,023; June 16; Sp. p. 3735; Dr. p. 815; Gaz. vol. 134; p. 1714.
 Concrete reinforcement. J. J. Whitacre. No. 906,479; Dec. 8; Sp. p. 2644; Gaz. vol. 137; p. 1456.
 Concrete roof, Reinforced-. G. M. Graham. No. 889,000; May 26; Sp. p. 5400; Dr. pp. 1146-7; Gaz. vol. 134; p. 964.
 Concrete sea-wall. J. H. Tromanhauser. No. 891,966; June 30; Sp. p. 5681; Dr. p. 1223; Gaz. vol. 134; p. 2088.
 Concrete sewer construction. B. Lowther. No. 889,796; June 2; Sp. p. 1177; Dr. p. 272; Gaz. vol. 134; p. 1250.
 Concrete sidewalk-block. C. Deeg. No. 880,066; Feb. 25; Sp. p. 4505; Dr. p. 947; Gaz. vol. 132; p. 1665.
 Concrete sidewalk, Reinforced-. F. J. Miller. No. 881,700; Mar. 10; Sp. p. 2392; Dr. p. 519; Gaz. vol. 133; p. 430.
 Concrete-slab-making machine. O. D. Tegarden. No. 903,916; Nov. 17; Sp. p. 2808; Gaz. vol. 137; p. 515.
 Concrete slab, Reinforced-. A. F. Anderson. No. 890,011; June 9; Sp. p. 1630; Dr. p. 365; Gaz. vol. 134; p. 1348.
 Concrete-spreader. J. E. Briggs. No. 896,616; Aug. 18; Sp. p. 3645; Dr. p. 783; Gaz. vol. 135; p. 1541.
 Concrete structure. C. E. Springer. No. 893,272; July 14; Sp. p. 1787; Dr. p. 376; Gaz. vol. 135; p. 323.
 Concrete structure. J. H. Schladly. No. 893,550; July 14; Sp. p. 2372; Dr. p. 496; Gaz. vol. 135; p. 413.
 Concrete structure. C. B. Grady. No. 902,651; Nov. 3; Sp. p. 233; Gaz. vol. 137; p. 39.
 Concrete-structure brace. A. J. Robinson. No. 880,468; Feb. 25; Sp. p. 5324; Dr. p. 1120; Gaz. vol. 132; p. 1800.
 Concrete structure, Reinforced. G. M. Graham. No. 891,929; June 30; Sp. p. 5588; Dr. p. 1204; Gaz. vol. 134; p. 2075.
 Concrete-structure reinforcing-bar. A. Thomas. No. 905,480; Dec. 1; Sp. p. 745; Gaz. vol. 137; p. 1103.
 Concrete-structure reinforcing device. J. T. Simpson. No. 903,903; Nov. 17; Sp. p. 2778; Gaz. vol. 137; p. 510.
 Concrete-structure reinforcing device. J. T. Simpson. No. 904,283; Nov. 17; Sp. p. 3595; Gaz. vol. 137; p. 641.
 Concrete structures, Core for. J. Vaughan. No. 891,883; June 30; Sp. p. 5501; Dr. p. 1188; Gaz. vol. 134; p. 2060.
 Concrete structures, Driven mold for sunken. L. H. Brace. No. 903,441; Nov. 10; Sp. p. 1795; Gaz. vol. 136; p. 327.
 Concrete structures, Fitting for reinforced. G. M. Graham. No. 879,163; Feb. 18; Sp. p. 2628; Dr. p. 548; Gaz. vol. 132; p. 1338.
 Concrete structures, Fitting for reinforced. G. M. Graham. No. 885,240; Apr. 21; Sp. p. 3246; Dr. p. 677; Gaz. vol. 133; p. 1764.
 Concrete structures, Fitting for reinforced. G. M. Graham. No. 885,992; Apr. 28; Sp. p. 4803; Dr. p. 1009; Gaz. vol. 133; p. 2038.
 Concrete structures, Metallic reinforcement for. E. D. Pitt and L. G. Robinson. No. 881,617; Mar. 10; Sp. p. 2251; Dr. p. 489; Gaz. vol. 133; p. 406.
 Concrete structures, Reinforce for. J. M. Sherwood. No. 902,335; Oct. 27; Sp. p. 4757; Dr. p. 960; Gaz. vol. 136; p. 1906.
 Concrete structures, Reinforcing and tension device for. A. S. Pierson. No. 880,820; Mar. 3; Sp. p. 670; Dr. p. 141; Gaz. vol. 133; p. 116.
 Concrete structures, Reinforcing-frame for. G. M. Graham. No. 889,223; June 2; Sp. p. 69; Dr. p. 15; Gaz. vol. 134; p. 1068.
 Concrete vault. B. Kinsey. No. 878,689; Feb. 11; Sp. p. 1610; Dr. p. 328; Gaz. vol. 132; p. 1129.
 Concrete vault and grave appliance, Combination underground reinforced-. W. E. Thomas. No. 905,954; Dec. 8; Sp. p. 1652; Gaz. vol. 137; p. 1285.
 Concrete-wall mold. J. Horsfield. No. 884,733; Apr. 14; Sp. p. 2184; Dr. p. 463; Gaz. vol. 133; p. 1569.
 Concrete-wall mold. J. Horsfield. No. 884,734; Apr. 14; Sp. p. 2185; Dr. p. 463; Gaz. vol. 133; p. 1569.
 Concrete walls and the like, Means for use in building. R. W. Pommerer. No. 878,155; Feb. 4; Sp. p. 514; Dr. p. 110; Gaz. vol. 132; p. 934.
 Concrete work, Socket for use in. E. A. Purdy. No. 899,185; Sept. 22; Sp. p. 3844; Dr. p. 822; Gaz. vol. 136; p. 720.
 Condenser. A. W. P. Cramer. No. 884,077; Apr. 7; Sp. p. 821; Dr. p. 173; Gaz. vol. 133; p. 1324.
 Condenser. G. B. Petsche. No. 885,285; Apr. 21; Sp. p. 3329; Dr. p. 695; Gaz. vol. 133; p. 1779.
 Condenser. W. M. Fleming. No. 887,081; May 12; Sp. p. 1484; Dr. p. 315; Gaz. vol. 134; p. 273.
 Condenser. R. Herman. No. 894,141; July 21; Sp. p. 3670; Dr. pp. 758-9; Gaz. vol. 135; p. 638.
 Condenser. W. B. Taylor. No. 897,500; Sept. 1; Sp. p. 530; Dr. pp. 112-13; Gaz. vol. 136; p. 85.
 Condenser. P. Brown. No. 900,827; Oct. 13; Sp. p. 1619; Dr. p. 328; Gaz. vol. 136; p. 1349.
 Condenser. E. Thomson. No. 901,498; Oct. 20; Sp. p. 3013; Dr. p. 615; Gaz. vol. 136; p. 1603.
 Condenser and making same. M. K. McGrath. (Reissue.) No. 12,860; Oct. 6; Sp. p. 1330; Dr. p. 271; Gaz. vol. 136; p. 1277.
 Condenser, Barometric. A. H. Helander. No. 887,634; May 12; Sp. p. 2646; Dr. pp. 557-8; Gaz. vol. 134; p. 456.
 Condenser, Barometric. A. H. Helander. No. 908,405; Dec. 29; Sp. p. 6579; Gaz. vol. 137; p. 2181.
 Condenser, Counter-current. O. H. Mueller. No. 899,063; Sept. 22; Sp. p. 3590; Dr. p. 769; Gaz. vol. 136; p. 678.
 Condenser, Exhaust-. L. A. Jones. No. 877,431; Jan. 21; Sp. p. 3577; Dr. p. 773; Gaz. vol. 132; p. 651.
 Condenser, Fume-. G. C. Richards. No. 895,790; Aug. 11; Sp. p. 2043; Dr. p. 434; Gaz. vol. 135; p. 1252.
 Condenser, Smoke and fume. J. T. Yates, J. Devey, W. B. Richan, and W. A. Devey. No. 879,023; Feb. 11; Sp. p. 2323; Dr. p. 486; Gaz. vol. 132; p. 1250.
 Condenser, Steam-. C. Ambrose and F. D. Schwartz. No. 903,147; Nov. 3; Sp. p. 1219; Gaz. vol. 137; p. 200.
 Condenser superheater, Vacuum-. C. T. and R. R. Rogers. No. 896,247; Aug. 18; Sp. p. 2906; Dr. p. 626; Gaz. vol. 135; p. 1422.
 Condenser, Surface. W. H. Eyermaier. No. 890,417; June 9; Sp. p. 2465; Dr. p. 546; Gaz. vol. 134; p. 1431.
 Condenser, Surface. A. Harris and F. A. Anderson. No. 901,809; Oct. 20; Sp. p. 3664; Dr. pp. 742-3; Gaz. vol. 136; p. 1705.
 Condenser system, Surface-. J. Stumpf. No. 886,661; May 5; Sp. p. 638; Dr. p. 132; Gaz. vol. 134; p. 110.
 Condenser, Vacuum. C. T. and R. R. Rogers. No. 896,414; Aug. 18; Sp. p. 3259; Dr. p. 698; Gaz. vol. 135; p. 1475.
 Condenser, Vapor-. J. C. Clark. No. 889,201; June 2; Sp. p. 24; Dr. pp. 5-6; Gaz. vol. 134; p. 1061.
 Condensing and feed-water-heating plant, Steam-. R. Schneider. (Reissue.) No. 12,869; Oct. 20; Sp. p. 3906; Dr. p. 707; Gaz. vol. 136; p. 1748.
 Condensing apparatus. J. Astrom. No. 886,465; May 5; Sp. p. 246; Dr. p. 51; Gaz. vol. 134; p. 46.
 Condensing fumes and gases, Apparatus for. G. C. Richards. No. 888,119; May 19; Sp. p. 3604; Dr. p. 755; Gaz. vol. 134; p. 644.
 Condensing plant, Steam-. D. B. Morison. No. 888,637; May 26; Sp. p. 4635; Dr. p. 984; Gaz. vol. 134; p. 846.
 Condiment-holder. A. Rosenberg. No. 890,304; June 9; Sp. p. 2260; Dr. p. 498; Gaz. vol. 134; p. 1446.

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- Condiment-holder. C. E. Nixon and M. J. Raven. No. 903,399; Nov. 10; Sp. p. 1714; Gaz. vol. 137; p. 313.
- Condiment-holder. J. B. Williamson. No. 905,261; Dec. 1; Sp. p. 273; Gaz. vol. 137; p. 1030.
- Conductor flexible suspension. L. Steinberger. No. 905,014; Nov. 24; Sp. p. 5116; Gaz. vol. 137; p. 911.
- Conductor-strainer. E. R. Stasch. No. 906,956; Dec. 15; Sp. p. 3554; Gaz. vol. 137; p. 1633.
- Conductor, System for selecting one of several receivers connected to a common. A. Franke. No. 888,153; May 19; Sp. p. 3660; Dr. p. 766; Gaz. vol. 134; p. 654.
- Conductors, Automatic take-up for flexible. J. Emigh. No. 906,696; Dec. 15; Sp. p. 3049; Gaz. vol. 137; p. 1549.
- Conduit. J. A. Garey. No. 902,285; Oct. 27; Sp. p. 4626; Dr. p. 940; Gaz. vol. 136; p. 1888.
- Conduit. W. Houghton. No. 903,572; Nov. 10; Sp. p. 2081; Gaz. vol. 137; p. 372.
- Conduit-bending device. J. E. Morris. No. 882,012; Mar. 17; Sp. p. 3078; Dr. p. 654; Gaz. vol. 133; p. 561.
- Conduit-box. W. S. Rounds and D. Holland. No. 890,935; June 16; Sp. p. 3550; Dr. p. 774; Gaz. vol. 134; p. 1683.
- Conduit construction. W. P. Day. No. 883,092; Mar. 24; Sp. p. 5159; Dr. p. 1102; Gaz. vol. 133; p. 945.
- Conduit-coupling. H. Krantz. No. 898,751; Sept. 15; Sp. p. 2026; Dr. pp. 648-9; Gaz. vol. 136; p. 550.
- Conduit-cover. H. Krantz. No. 890,285; June 9; Sp. p. 2217; Dr. p. 488; Gaz. vol. 134; p. 1439.
- Conduit, Flexible. J. S. Wilson. No. 880,850; Mar. 3; Sp. p. 745; Dr. p. 158; Gaz. vol. 133; p. 126.
- Conduit, Flexible. W. S. Brown. No. 882,292; Mar. 17; Sp. p. 3613; Dr. p. 766; Gaz. vol. 133; p. 651.
- Conduit, Flexible. G. A. Lutz and C. C. Sibley. No. 893,857; July 21; Sp. p. 3096; Dr. p. 633; Gaz. vol. 135; p. 545.
- Conduit-joint, Flexible. M. P. McLaughlin. No. 882,836; Mar. 24; Sp. p. 4602; Dr. p. 992; Gaz. vol. 133; p. 862.
- Conduit, Reinforced monolithic. J. M. Boyle. No. 897,190; Aug. 25; Sp. p. 4856; Dr. p. 1033; Gaz. vol. 135; p. 1751.
- Conduit-rod. R. H. Villard. No. 896,182; Aug. 18; Sp. p. 2774; Dr. p. 598; Gaz. vol. 135; p. 1398.
- Conduit, Sectional outlet-. J. L. Kruger. No. 883,409; Mar. 31; Sp. p. 5844; Dr. p. 1246; Gaz. vol. 133; p. 1080.
- Conduit-sections, Apparatus for aligning. J. T. Rice and C. King. No. 890,453; June 9; Sp. p. 2524; Dr. p. 558; Gaz. vol. 134; p. 1492.
- Conduit-threader. J. C. Dieter, S. Bowsher, and E. Davis. No. 901,159; Oct. 13; Sp. p. 2264; Dr. p. 461; Gaz. vol. 136; p. 1455.
- Conduit wire-drawing, Compressed-air engine for. H. C. Dickinson. No. 907,474; Dec. 22; Sp. p. 4602; Gaz. vol. 137; p. 1841.
- Conduit-wiring appliance. J. S. Stewart. No. 907,911; Dec. 29; Sp. p. 5527; Gaz. vol. 137; p. 2012.
- Conduits and for analogous purposes, Device for threading. E. M. Mars. No. 880,677; Mar. 3; Sp. p. 372; Dr. pp. 81-2; Gaz. vol. 133; p. 66.
- Conduits impervious, Means for rendering. J. M. Boyle. No. 907,724; Dec. 29; Sp. p. 5144; Gaz. vol. 137; p. 1951.
- Confectioner's box. C. E. Hawhurst, Jr. No. 902,540; Oct. 27; Sp. p. 5209; Dr. p. 1052; Gaz. vol. 136; p. 1974.
- Confectioner's heater. T. Chrul. No. 884,073; Apr. 7; Sp. p. 813; Dr. p. 172; Gaz. vol. 133; p. 1323.
- Confectionery and valentine box, Combination. H. Richter. No. 901,476; Oct. 20; Sp. p. 2968; Dr. p. 606; Gaz. vol. 136; p. 1597.
- Confectionery-coating machine. H. C. Remmers. No. 879,585; Feb. 18; Sp. p. 3486; Dr. p. 731; Gaz. vol. 132; p. 1475.
- Confectionery-holder. C. E. Greene. No. 887,789; May 19; Sp. p. 2958; Dr. p. 622; Gaz. vol. 134; p. 537.
- Connecting and spacing clip for metal reinforcement, &c. R. A. Cummings. No. 879,148; Feb. 18; Sp. p. 2589; Dr. p. 534; Gaz. vol. 132; p. 1332.
- Connecting-rod, Self-oiding. C. O. Hedstrom. No. 895,755; Aug. 11; Sp. p. 1957; Dr. p. 414; Gaz. vol. 135; p. 1241.
- Connection-box. R. D. Holabird. No. 886,978; May 5; Sp. p. 1272; Dr. p. 268; Gaz. vol. 134; p. 211.
- Connection-switch. G. K. Thompson and F. R. McBerty. No. 887,263; May 12; Sp. p. 1847; Dr. p. 390; Gaz. vol. 134; p. 331.
- Connector. M. O. Spring. No. 904,097; Nov. 17; Sp. p. 3169; Gaz. vol. 137; p. 575.
- Connector. C. T. Crocker. No. 904,603; Nov. 24; Sp. p. 4245; Gaz. vol. 137; p. 773.
- Construction, Method of. J. C. Meem. No. 884,990; Apr. 14; Sp. p. 2696; Dr. p. 572; Gaz. vol. 133; p. 1649.
- Construction, Method of. J. C. Meem. No. 896,064; Aug. 11; Sp. p. 2571; Dr. p. 558; Gaz. vol. 135; p. 1341.
- Contact-breaker. G. A. Unterberg. No. 893,822; July 21; Sp. p. 3023; Dr. p. 618; Gaz. vol. 135; p. 534.
- Contact device. S. B. Stewart, Jr. No. 895,811; Aug. 11; Sp. p. 2084; Dr. p. 441; Gaz. vol. 135; p. 1259.
- Contact device. F. B. Klopff. No. 903,987; Nov. 17; Sp. p. 2945; Gaz. vol. 137; p. 538.
- Contact-finger. W. Cooper. No. 879,245; Feb. 18; Sp. p. 2769; Dr. p. 580; Gaz. vol. 132; p. 1364.
- Contact member. H. D. James. No. 896,210; Aug. 18; Sp. p. 2834; Dr. p. 611; Gaz. vol. 135; p. 1409.
- Contacting. G. H. Hill. No. 894,643; July 28; Sp. p. 4717; Dr. p. 979; Gaz. vol. 135; p. 823.
- Contacting. G. H. Hill. No. 894,645; July 28; Sp. p. 4721; Dr. p. 980; Gaz. vol. 135; p. 823.
- Container. F. B. Davidson. No. 889,109; May 26; Sp. p. 5620; Dr. p. 1190; Gaz. vol. 134; p. 999.
- Container. C. W. Warren. No. 898,293; Sept. 8; Sp. p. 2137; Dr. p. 454; Gaz. vol. 136; p. 369.
- Container. F. B. Davidson. No. 902,213; Oct. 27; Sp. p. 4475; Dr. pp. 905-6; Gaz. vol. 136; p. 1864.
- Container. W. Asbury. No. 908,193; Dec. 29; Sp. p. 6129; Gaz. vol. 137; p. 2108.
- Control apparatus, Automatic. J. B. H. Clologe. No. 888,961; May 26; Sp. p. 5333; Dr. p. 1132; Gaz. vol. 134; p. 952.
- Control apparatus for translating devices, Distance. E. Schattner. No. 904,810; Nov. 24; Sp. p. 4695; Gaz. vol. 137; p. 843.
- Control system. G. B. Schley. No. 876,594; Jan. 14; Sp. p. 1858; Dr. p. 407; Gaz. vol. 132; p. 331.
- Control system. H. D. James. No. 892,841; July 7; Sp. p. 896; Dr. p. 171; Gaz. vol. 135; p. 151.
- Control system. E. W. Stull. No. 897,031; Aug. 25; Sp. p. 4563; Dr. p. 973; Gaz. vol. 135; p. 1701.
- Control system. R. P. Jackson. No. 903,193; Nov. 10; Sp. p. 1315; Gaz. vol. 137; p. 246.
- Control system. G. H. Hill. No. 904,780; Nov. 24; Sp. p. 4627; Gaz. vol. 137; p. 833.
- Control system, Electrical-. H. D. James. No. 882,687; Mar. 24; Sp. p. 4365; Dr. p. 929; Gaz. vol. 133; p. 815.
- Control system, Regenerative. W. Cooper. No. 889,908; June 9; Sp. p. 1411; Dr. pp. 320-1; Gaz. vol. 134; p. 1313.
- Controller. W. J. Warder, Jr. No. 878,756; Feb. 11; Sp. p. 1825; Dr. p. 377; Gaz. vol. 132; p. 1167.
- Controller. E. W. Stull. No. 884,345; Apr. 7; Sp. p. 1354; Dr. pp. 289-90; Gaz. vol. 133; p. 1410.
- Controller. A. T. Crocker. No. 885,446; Apr. 21; Sp. p. 3651; Dr. p. 766; Gaz. vol. 133; p. 1831.
- Controller. G. B. Schley. No. 886,733; May 5; Sp. p. 816; Dr. pp. 168-9; Gaz. vol. 134; p. 136.
- Controller. C. O. Barnes. No. 887,180; May 12; Sp. p. 1657; Dr. p. 352; Gaz. vol. 134; p. 304.
- Controller. L. L. Tatum. No. 887,442; May 12; Sp. p. 2270; Dr. p. 476; Gaz. vol. 134; p. 393.
- Controller. E. W. Stull. No. 892,464; July 7; Sp. p. 145; Dr. p. 31; Gaz. vol. 135; p. 29.
- Controller. E. W. Stull. No. 900,612; Oct. 6; Sp. p. 1165; Dr. p. 237; Gaz. vol. 136; p. 1251.
- Controller. W. D. Pomeroy and E. C. Wright. No. 902,834; Nov. 3; Sp. p. 603; Gaz. vol. 137; p. 102.
- Controller construction. E. W. Stull. No. 903,338; Nov. 10; Sp. p. 1607; Gaz. vol. 137; p. 294.
- Controller-operating means. T. Gilmore, Jr. No. 891,834; June 30; Sp. p. 5407; Dr. p. 1169; Gaz. vol. 134; p. 2044.
- Controller-regulator. J. P. Durkin. No. 875,791; Jan. 7; Sp. p. 219; Dr. p. 48; Gaz. vol. 132; p. 40.
- Controller-regulator. C. P. Ebersole. No. 877,887; Jan. 28; Sp. p. 4460; Dr. p. 973; Gaz. vol. 132; p. 818.
- Controller-regulator. F. M. Du Bois. No. 897,602; Sept. 1; Sp. p. 741; Dr. p. 157; Gaz. vol. 136; p. 117.
- Controller-regulator. C. P. Ebersole. No. 899,717; Sept. 29; Sp. p. 4895; Dr. p. 1050; Gaz. vol. 136; p. 926.
- Controller-regulator. C. P. Ebersole. No. 906,620; Dec. 15; Sp. p. 2905; Gaz. vol. 137; p. 1526.
- Controlling and reversing means. C. F. Roper. No. 888,744; May 26; Sp. p. 4842; Dr. p. 1033; Gaz. vol. 134; p. 879.
- Controlling apparatus. A. G. Wessling. No. 903,348; Nov. 10; Sp. p. 1621; Gaz. vol. 137; p. 297.
- Controlling device. W. P. Kidder. No. 894,444; July 28; Sp. p. 4331; Dr. p. 893; Gaz. vol. 135; p. 759.
- Controlling device. A. Ballico. No. 905,135; Dec. 1; Sp. p. 19; Gaz. vol. 137; p. 987.
- Controlling device, Condition-. J. I. Ayer. No. 904,917; Nov. 24; Sp. p. 4913; Gaz. vol. 137; p. 878.
- Controlling mechanism. F. M. Leavitt. No. 880,545; Mar. 3; Sp. p. 101; Dr. p. 23; Gaz. vol. 133; p. 21.
- Controlling mechanism. H. Meyer. No. 900,408; Oct. 6; Sp. p. 707; Dr. p. 146; Gaz. vol. 136; p. 1184.
- Controlling mechanism for automatic exchanges. J. G. Roberts. No. 875,951; Jan. 7; Sp. p. 502; Dr. pp. 108-10; Gaz. vol. 132; p. 91.
- Controlling mechanism, Safety. T. R. Bell. No. 879,847; Feb. 25; Sp. p. 4023; Dr. p. 843; Gaz. vol. 132; p. 1593.
- Controlling-switch. H. E. White. No. 882,602; Mar. 24; Sp. p. 4194; Dr. p. 889; Gaz. vol. 133; p. 786.
- Controlling system. W. B. Jackson. No. 887,252; May 12; Sp. p. 1816; Dr. pp. 384-5; Gaz. vol. 134; p. 826.
- Converter. H. Shoemaker. No. 899,629; Sept. 29; Sp. p. 4736; Dr. p. 1014; Gaz. vol. 136; p. 900.
- Converter, Rotary. J. L. Murdock. No. 882,531; Mar. 17; Sp. p. 4056; Dr. p. 863; Gaz. vol. 133; p. 731.
- Convertible and interchangeable seat. T. Scullin and S. R. Skov. No. 882,653; Mar. 24; Sp. p. 4299; Dr. p. 912; Gaz. vol. 133; p. 803.
- Convertible chair. W. W. Lepard. No. 877,204; Jan. 21; Sp. p. 3139; Dr. pp. 680-1; Gaz. vol. 132; p. 577.
- Convertible chair. J. Anderson and H. Torjesen. No. 884,060; Apr. 7; Sp. p. 788; Dr. pp. 165-6; Gaz. vol. 133; p. 1319.
- Convertible chair. G. E. Clapp. No. 888,868; May 26; Sp. p. 5127; Dr. p. 1093; Gaz. vol. 134; p. 920.
- Convertible chair. O. L. Peterson. No. 893,095; July 14; Sp. p. 1422; Dr. p. 301; Gaz. vol. 135; p. 264.
- Convertible chair. I. H. Yaffe. No. 897,183; Aug. 25; Sp. p. 4845; Dr. p. 1030; Gaz. vol. 135; p. 1749.
- Convertible chair. W. W. Lepard. No. 907,253; Dec. 22; Sp. p. 4165; Gaz. vol. 137; p. 1768.
- Convertible chair and table. C. H. Dixon. No. 884,136; Apr. 7; Sp. p. 991; Dr. p. 206; Gaz. vol. 133; p. 1344.
- Convertible seat. A. P. Herrington. No. 893,845; July 21; Sp. p. 3069; Dr. p. 626; Gaz. vol. 135; p. 541.
- Conveyance safety device. F. W. A. Wiesebroek. No. 897,566; Sept. 1; Sp. p. 670; Dr. p. 140; Gaz. vol. 136; p. 105.
- Conveyer. T. C. Thompson. No. 877,141; Jan. 21; Sp. p. 3002; Dr. pp. 648-9; Gaz. vol. 132; p. 555.
- Conveyer. R. L. Martin, Jr. and W. W. Macfarren. No. 877,210; Jan. 21; Sp. p. 3155; Dr. pp. 684-5; Gaz. vol. 132; p. 580.
- Conveyer. F. R. Willson, Jr. No. 878,170; Feb. 4; Sp. p. 580; Dr. pp. 118-19; Gaz. vol. 132; p. 940.

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- Conveyer. G. E. Richmond. No. 878,671; Feb. 11; Sp. p. 1664; Dr. p. 343; Gaz. vol. 132; p. 1140.
 Conveyer. B. H. Alvey. No. 881,042; Mar. 3; Sp. p. 1097; Dr. pp. 237-8; Gaz. vol. 133; p. 188.
 Conveyer. D. E. Washington. No. 881,212; Mar. 10; Sp. p. 1431; Dr. pp. 308-9; Gaz. vol. 133; p. 272.
 Conveyer. J. T. H. Paul. No. 882,795; Mar. 24; Sp. p. 4573; Dr. pp. 975-6; Gaz. vol. 133; p. 849.
 Conveyer. G. Schubert. No. 884,618; Apr. 14; Sp. p. 1920; Dr. p. 412; Gaz. vol. 133; p. 1529.
 Conveyer. R. C. Straight. No. 886,891; May 5; Sp. p. 1117; Dr. pp. 233-4; Gaz. vol. 134; p. 183.
 Conveyer. W. L. McCabe. No. 890,689; June 16; Sp. p. 3025; Dr. pp. 664-5; Gaz. vol. 134; p. 1603.
 Conveyer. W. K. Liggett. No. 895,776; Aug. 11; Sp. p. 2000; Dr. p. 425; Gaz. vol. 135; p. 1248.
 Conveyer. C. W. Levalley. No. 896,029; Aug. 11; Sp. p. 2507; Dr. pp. 543-4; Gaz. vol. 135; p. 1330.
 Conveyer. A. D. Long and G. Dietz. No. 897,380; Sept. 1; Sp. p. 287; Dr. p. 58; Gaz. vol. 136; p. 43.
 Conveyer. W. M. Heiney. No. 898,408; Sept. 8; Sp. p. 2344; Dr. pp. 497-8; Gaz. vol. 136; p. 407.
 Conveyer. C. D. Seeberger. No. 898,794; Sept. 15; Sp. p. 3107; Dr. pp. 665-6; Gaz. vol. 136; p. 565.
 Conveyer. C. D. Seeberger. No. 900,000; Sept. 29; Sp. p. 5509; Dr. pp. 1174-5; Gaz. vol. 136; p. 1019.
 Conveyer. C. H. Knapp. No. 900,554; Oct. 6; Sp. p. 1042; Dr. p. 213; Gaz. vol. 136; p. 1232.
 Conveyer. W. K. Liggett. No. 902,421; Oct. 27; Sp. p. 4910; Dr. pp. 994-5; Gaz. vol. 136; p. 1933.
 Conveyer. C. O. Gustavsen. No. 902,530; Oct. 27; Sp. p. 5187; Dr. p. 1048; Gaz. vol. 136; p. 1971.
 Conveyer. J. H. Long. No. 903,591; Nov. 10; Sp. p. 2127; Gaz. vol. 137; p. 377.
 Conveyer. A. W. Lind. No. 905,337; Dec. 1; Sp. p. 404; Gaz. vol. 137; p. 1053.
 Conveyer. C. D. Seeberger. No. 906,945; Dec. 15; Sp. p. 3534; Gaz. vol. 137; p. 1629.
 Conveyer, Adjustable screw. C. Brent. No. 887,762; May 19; Sp. p. 2899; Dr. p. 611; Gaz. vol. 134; p. 527.
 Conveyer-belt and machine-belt, Manufacture of. F. Reddaway. No. 885,955; Apr. 28; Sp. p. 4724; Dr. p. 993; Gaz. vol. 133; p. 2027.
 Conveyer-bucket. G. W. Barnett. No. 894,572; July 28; Sp. p. 4581; Dr. p. 949; Gaz. vol. 135; p. 801.
 Conveyer, Cable-hoist. B. C. Riblet. No. 878,157; Feb. 4; Sp. p. 517; Dr. p. 111; Gaz. vol. 132; p. 935.
 Conveyer, Chain. J. Mallon. No. 888,918; May 26; Sp. p. 5246; Dr. p. 1113; Gaz. vol. 134; p. 939.
 Conveyer, Cotton and cotton-seed. W. B. Smith. No. 880,172; Feb. 25; Sp. p. 4710; Dr. pp. 994-5; Gaz. vol. 132; p. 1700.
 Conveyer for granulators. W. R. Warren. No. 895,318; Aug. 4; Sp. p. 1100; Dr. pp. 230-1; Gaz. vol. 135; p. 1076.
 Conveyer, Gravity-. J. T. H. Paul. No. 887,421; May 12; Sp. p. 2234; Dr. pp. 467-8; Gaz. vol. 134; p. 386.
 Conveyer, Hydraulic. L. H. Griffith. No. 890,139; June 9; Sp. p. 1892; Dr. p. 419; Gaz. vol. 134; p. 1392.
 Conveyer or cableway rope-carrier. W. A. Wood. No. 907,213; Dec. 22; Sp. p. 4068; Gaz. vol. 137; p. 1751.
 Conveyer, Pneumatic. C. L. Groves. No. 884,016; Apr. 7; Sp. p. 704; Dr. p. 142; Gaz. vol. 133; p. 1305.
 Conveyer, Pneumatic. J. and W. L. Hervey. No. 907,692; Dec. 22; Sp. p. 5094; Gaz. vol. 137; p. 1912.
 Conveyer-rolls, Train of. A. Thomas. No. 896,172; Aug. 18; Sp. p. 2758; Dr. p. 594; Gaz. vol. 135; p. 1395.
 Conveyer-shaft coupling. F. C. Caldwell. No. 893,143; July 14; Sp. p. 1539; Dr. p. 325; Gaz. vol. 135; p. 281.
 Conveyer, Spiral. G. P. Wisdom. No. 891,514; June 23; Sp. p. 4729; Dr. pp. 1023-4; Gaz. vol. 134; p. 1905.
 Conveyer, Swinging. C. Bradford. No. 881,295; Mar. 10; Sp. p. 1612; Dr. p. 345; Gaz. vol. 133; p. 301.
 Conveyer system, Belt. J. B. Monette. No. 890,292; June 9; Sp. p. 2230; Dr. pp. 490-1; Gaz. vol. 134; p. 1442.
 Conveyers, Automatic trip for. C. Fredrickson. No. 901,163; Oct. 13; Sp. p. 2269; Dr. p. 462; Gaz. vol. 136; p. 1456.
 Conveyers, Cleat for cable-chain. E. Demarest. No. 881,908; Mar. 17; Sp. p. 2844; Dr. p. 607; Gaz. vol. 133; p. 527.
 Conveyers, Filling apparatus for. C. W. Hunt. No. 891,698; June 23; Sp. p. 5118; Dr. p. 1104; Gaz. vol. 134; p. 1966.
 Conveying apparatus. J. H. Gilman. No. 878,721; Feb. 11; Sp. p. 1763; Dr. p. 364; Gaz. vol. 132; p. 1156.
 Conveying apparatus. T. S. Miller. No. 885,774; Apr. 28; Sp. p. 4332; Dr. pp. 908-9; Gaz. vol. 133; p. 1964.
 Conveying apparatus. J. Ream. No. 891,004; June 16; Sp. p. 3700; Dr. pp. 806-7; Gaz. vol. 134; p. 1707.
 Conveying apparatus. R. A. Chambers. No. 893,224; July 14; Sp. p. 1692; Dr. p. 357; Gaz. vol. 135; p. 306.
 Conveying apparatus. T. S. Miller and J. H. Dickinson. No. 895,033; Aug. 4; Sp. p. 526; Dr. p. 107; Gaz. vol. 135; p. 981.
 Conveying apparatus. T. S. Miller. No. 896,744; Aug. 25; Sp. p. 3918; Dr. pp. 844-5; Gaz. vol. 135; p. 1603.
 Conveying apparatus. T. S. Miller. No. 901,021; Oct. 13; Sp. p. 2016; Dr. p. 409; Gaz. vol. 136; p. 1411.
 Conveying apparatus. R. Blum. No. 906,858; Dec. 15; Sp. p. 3371; Gaz. vol. 137; p. 1601.
 Conveying-belt. B. L. Hancock. No. 907,790; Dec. 29; Sp. p. 5287; Gaz. vol. 137; p. 1974.
 Conveying mechanism. H. C. Tripp. No. 876,608; Jan. 14; Sp. p. 1903; Dr. p. 415; Gaz. vol. 132; p. 339.
 Conveying mechanism. C. W. Crosby. No. 885,730; Apr. 28; Sp. p. 4238; Dr. pp. 888-9; Gaz. vol. 133; p. 1950.
 Conveying mechanism. W. S. Wyland. No. 895,529; Aug. 11; Sp. p. 1515; Dr. pp. 320-1; Gaz. vol. 135; p. 1169.
 Conveying or transporting and affording amusement, Device for. I. Kiralfy. No. 887,652; May 12; Sp. p. 2679; Dr. pp. 566-7; Gaz. vol. 134; p. 461.
 Cooker. M. D. Taylor. No. 879,693; Feb. 18; Sp. p. 3712; Dr. pp. 778-80; Gaz. vol. 132; p. 1510.
 Cooker. A. W. Morrell. No. 905,212; Dec. 1; Sp. p. 182; Gaz. vol. 137; p. 1013.
 Cooker and evaporator. T. W. Wade. No. 903,520; Nov. 10; Sp. p. 1972; Gaz. vol. 137; p. 354.
 Cooker and washer, Combined. J. W. Dunfee. No. 877,493; Jan. 28; Sp. p. 3707; Dr. p. 803; Gaz. vol. 132; p. 691.
 Cooker, Combination-. L. L. Chase. No. 899,244; Sept. 22; Sp. p. 3989; Dr. p. 850; Gaz. vol. 136; p. 740.
 Cooker, Cotton-seed-meal. J. L. Cunningham, Jr. No. 902,129; Nov. 3; Sp. p. 1187; Gaz. vol. 137; p. 194.
 Cooker, Fireless. H. H. Crea. No. 875,695; Jan. 7; Sp. p. 33; Dr. p. 7; Gaz. vol. 132; p. 8.
 Cooker, Fireless. W. C. Clingen. No. 876,858; Jan. 14; Sp. p. 2365; Dr. p. 518; Gaz. vol. 132; p. 418.
 Cooker, Fireless. A. T. Hallock. No. 883,715; Apr. 7; Sp. p. 75; Dr. p. 12; Gaz. vol. 133; p. 1204.
 Cooker, High-pressure steam and water. W. Gray. No. 893,483; July 14; Sp. p. 2221; Dr. pp. 466-7; Gaz. vol. 135; p. 391.
 Cooker, Steam-. J. E. Prater and R. S. Pierson. No. 887,844; May 19; Sp. p. 3080; Dr. p. 646; Gaz. vol. 134; p. 555.
 Cooker, Steam-. J. M. Lewis. No. 906,245; Dec. 8; Sp. p. 2226; Gaz. vol. 137; p. 1381.
 Cooker stirring mechanism. G. H. Hoffman. No. 907,148; Dec. 22; Sp. p. 3927; Gaz. vol. 137; p. 1729.
 Cooker, Straw-. J. J. Dauch and W. F. Harbrecht. No. 878,711; Feb. 11; Sp. p. 1744; Dr. p. 361; Gaz. vol. 132; p. 1153.
 Cooking and heat-retaining apparatus. M. O. Anthony. No. 881,648; Mar. 10; Sp. p. 2308; Dr. p. 499; Gaz. vol. 133; p. 415.
 Cooking and like purposes, Vessel for. A. Wessel. No. 875,972; Jan. 7; Sp. p. 559; Dr. p. 120; Gaz. vol. 132; p. 97.
 Cooking apparatus. A. T. Bradshaw. No. 875,889; Jan. 7; Sp. p. 395; Dr. p. 86; Gaz. vol. 132; p. 73.
 Cooking apparatus. W. Nash. No. 884,288; Apr. 7; Sp. p. 1256; Dr. pp. 263-4; Gaz. vol. 133; p. 1392.
 Cooking apparatus. D. W. Howland. No. 885,051; Apr. 21; Sp. p. 2830; Dr. p. 599; Gaz. vol. 133; p. 1702.
 Cooking apparatus, Continuous. H. D. Perky. No. 898,777; Sept. 15; Sp. p. 3077; Dr. pp. 658-9; Gaz. vol. 136; p. 559.
 Cooking apparatus, Odorless. W. S. Bowie. No. 903,127; Nov. 3; Sp. p. 1184; Gaz. vol. 137; p. 193.
 Cooking canned goods, Apparatus for. J. P. Ritchie. No. 876,660; Jan. 14; Sp. p. 2017; Dr. p. 440; Gaz. vol. 132; p. 357.
 Cooking or culinary utensil. L. J. Ellis. No. 881,562; Mar. 10; Sp. p. 2122; Dr. p. 463; Gaz. vol. 133; p. 386.
 Cooking-pan. B. Compston. No. 894,118; July 21; Sp. p. 3622; Dr. p. 746; Gaz. vol. 135; p. 631.
 Cooking-pan. D. and K. Lewis. No. 907,154; Dec. 22; Sp. p. 3935; Gaz. vol. 137; p. 1731.
 Cooking utensil. R. C. Blean and F. B. Canode. No. 881,050; Mar. 3; Sp. p. 1114; Dr. p. 241; Gaz. vol. 133; p. 190.
 Cooking utensil. J. H. Covhig. No. 884,718; Apr. 14; Sp. p. 2157; Dr. p. 458; Gaz. vol. 133; p. 1563.
 Cooking utensil. F. B. Senseney. No. 884,767; Apr. 14; Sp. p. 2269; Dr. p. 477; Gaz. vol. 133; p. 1580.
 Cooking utensil. A. T. Lueckenbach. No. 892,751; July 7; Sp. p. 707; Dr. p. 150; Gaz. vol. 135; p. 122.
 Cooking utensil. A. M. Nicodemus. No. 894,974; Aug. 4; Sp. p. 402; Dr. p. 81; Gaz. vol. 135; p. 959.
 Cooking utensil. J. J. Conway. No. 895,433; Aug. 11; Sp. p. 1317; Dr. p. 277; Gaz. vol. 135; p. 1136.
 Cooking utensil. G. H. Bruce. No. 896,708; Aug. 25; Sp. p. 3833; Dr. pp. 829-30; Gaz. vol. 135; p. 1591.
 Cooking utensil. L. E. Daniels. No. 896,898; Aug. 25; Sp. p. 4249; Dr. p. 909; Gaz. vol. 135; p. 1656.
 Cooking utensil. F. Robinson. No. 902,111; Oct. 27; Sp. p. 4273; Dr. p. 866; Gaz. vol. 136; p. 1832.
 Cooking utensil. H. Tidow. No. 902,181; Oct. 27; Sp. p. 4416; Dr. p. 895; Gaz. vol. 136; p. 1854.
 Cooking utensil. R. Vaughan. No. 903,803; Nov. 10; Sp. p. 2540; Gaz. vol. 137; p. 444.
 Cooking utensil. H. S. Van Patten. No. 904,382; Nov. 17; Sp. p. 3779; Gaz. vol. 137; p. 673.
 Cooking utensil. C. B. Jacoby. No. 905,879; Dec. 8; Sp. p. 1519; Gaz. vol. 137; p. 1263.
 Cooking utensil. R. C. Paulus. No. 906,272; Dec. 8; Sp. p. 2269; Gaz. vol. 137; p. 1390.
 Cooking utensil. W. D. Earl. No. 906,399; Dec. 8; Sp. p. 2494; Gaz. vol. 137; p. 1429.
 Cooking utensil. F. R. Mazza and C. M. Daly. No. 906,540; Dec. 15; Sp. p. 2764; Gaz. vol. 137; p. 1501.
 Cooking-utensil handle, Detachable. C. L. Staudinger. No. 892,324; June 30; Sp. p. 6349; Dr. p. 1368; Gaz. vol. 134; p. 2204.
 Cooking-utensil handle mechanism. J. C. Hollands. No. 905,429; Dec. 1; Sp. p. 644; Gaz. vol. 137; p. 1086.
 Cooking utensil, Traveling. L. K. Sone. No. 900,321; Oct. 6; Sp. p. 532; Dr. pp. 110-11; Gaz. vol. 136; p. 1155.
 Cooking utensils and similar receptacles, Lid for. H. L. White and F. J. Rogers. No. 890,387; June 9; Sp. p. 2414; Dr. p. 532; Gaz. vol. 134; p. 1472.
 Cooking utensils, Protective device for. D. Elliott and L. B. Stanton. No. 883,183; Mar. 31; Sp. p. 5358; Dr. p. 1141; Gaz. vol. 133; p. 1006.
 Cooking vessel. F. Nestor. No. 882,411; Mar. 17; Sp. p. 3819; Dr. p. 816; Gaz. vol. 133; p. 690.

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- Cooking vessel. O. Lenschow and C. Mathieson. No. 883,652; Mar. 31; Sp. p. 6339; Dr. p. 1351; Gaz. vol. 133; p. 1156.
- Cooking-vessel cover. R. Vaughan and E. O. Nicholls. No. 890,203; June 9; Sp. p. 2022; Dr. p. 445; Gaz. vol. 134; p. 1413.
- Cooking vessel, Domestic. A. W. Cram. No. 889,509; June 2; Sp. p. 640; Dr. p. 149; Gaz. vol. 134; p. 1159.
- Cooler: *See* Beer-cooler; Bottle-cooler; Engine-cooler; Evaporator-cooler; Face-cooler; Hot-box cooler; Ice-cream cooler; Milk-cooler; Water-cooler.
- Cooler. W. G. Wuichet. No. 885,125; Apr. 21; Sp. p. 2994; Dr. p. 632; Gaz. vol. 133; p. 1726.
- Cooler. E. E. Cartwright and J. P. Martin. No. 906,611; Dec. 15; Sp. p. 2890; Gaz. vol. 137; p. 1523.
- Cooling and condensing tower. A. A. Marlow. No. 882,330; Mar. 17; Sp. p. 3686; Dr. p. 782; Gaz. vol. 133; p. 604.
- Cooling apparatus. G. T. Voorhees. No. 891,020; June 16; Sp. p. 3731; Dr. p. 814; Gaz. vol. 134; p. 1713.
- Cooling apparatus. W. J. Hamilton. No. 893,921; July 21; Sp. p. 3216; Dr. p. 662; Gaz. vol. 135; p. 565.
- Cooling-apparatus plate. R. Alexander-Katz and A. Karfunkel. No. 892,109; June 30; Sp. p. 5928; Dr. p. 1278; Gaz. vol. 134; p. 2132.
- Cooling-box. F. A. Nopenz. No. 899,231; Sept. 22; Sp. p. 3930; Dr. p. 839; Gaz. vol. 136; p. 734.
- Cooling-box, Adjustable. J. F. Morse and M. D. Lucas. No. 906,545; Dec. 15; Sp. p. 2771; Gaz. vol. 137; p. 1503.
- Cooling-conveyer. W. Altman. No. 903,148; Nov. 3; Sp. p. 1221; Gaz. vol. 137; p. 200.
- Cooling device. E. Burhorn. No. 890,352; June 9; Sp. p. 2312; Dr. p. 511; Gaz. vol. 134; p. 1455.
- Cooling rooms, Apparatus for. P. Grayson. No. 904,420; Nov. 17; Sp. p. 3854; Gaz. vol. 137; p. 686.
- Cooling rooms by compressed air, System of. O. Levilly. No. 879,392; Feb. 18; Sp. p. 3067; Dr. p. 638; Gaz. vol. 132; p. 1411.
- Cooling-tower. B. F. Hart, Jr. No. 902,875; Nov. 3; Sp. p. 701; Gaz. vol. 137; p. 116.
- Coon and mink trap. J. B. Young. No. 876,759; Jan. 14; Sp. p. 2186; Dr. p. 480; Gaz. vol. 132; p. 388.
- Coop. C. B. Treat. No. 886,278; Apr. 28; Sp. p. 5337; Dr. p. 1123; Gaz. vol. 133; p. 2132.
- Coop. J. J. Noser. No. 889,257; June 2; Sp. p. 121; Dr. p. 29; Gaz. vol. 134; p. 1079.
- Coop. M. C. Frits. No. 889,596; June 2; Sp. p. 803; Dr. p. 183; Gaz. vol. 134; p. 1187.
- Coop and crate. G. Heim. No. 894,638; July 28; Sp. p. 4709; Dr. p. 977; Gaz. vol. 135; p. 821.
- Coop, Folding. G. E. Jackson. No. 883,405; Mar. 31; Sp. p. 5837; Dr. p. 1244; Gaz. vol. 133; p. 1079.
- Coop, Folding. A. C. Segesemann. No. 896,860; Aug. 25; Sp. p. 4173; Dr. p. 893; Gaz. vol. 135; p. 1644.
- Coop, Folding poultry-. B. F. Ferguson. No. 887,090; May 12; Sp. p. 1482; Dr. pp. 314-15; Gaz. vol. 134; p. 273.
- Coop, Knockdown. E. C. Mudd. No. 896,567; Aug. 18; Sp. p. 3561; Dr. pp. 765-6; Gaz. vol. 135; p. 1526.
- Coop, Poultry-. V. S. Weekley. No. 878,696; Feb. 11; Sp. p. 1706; Dr. p. 353; Gaz. vol. 132; p. 1147.
- Coop, Poultry-. R. L. Widney. No. 901,406; Oct. 20; Sp. p. 2799; Dr. p. 571; Gaz. vol. 136; p. 1572.
- Coops, Water-tank for poultry-shipping. J. W. Salmon. No. 885,531; Apr. 21; Sp. p. 3841; Dr. p. 803; Gaz. vol. 133; p. 1858.
- Cooperage-hoop. L. A. Brigel, Jr. No. 887,185; May 12; Sp. p. 1667; Dr. p. 354; Gaz. vol. 134; p. 306.
- Cop-making apparatus. J. Schärer-Nussbaumer. No. 878,091; Feb. 4; Sp. p. 400; Dr. pp. 84-5; Gaz. vol. 132; p. 913.
- Cop or yarn-package. S. W. Wardwell. No. 903,643; Nov. 10; Sp. p. 2227; Gaz. vol. 137; p. 394.
- Cop-tube. S. W. Wardwell. No. 878,104; Feb. 4; Sp. p. 426; Dr. p. 90; Gaz. vol. 132; p. 917.
- Cop-tube. S. W. Wardwell. No. 879,021; Feb. 11; Sp. p. 2320; Dr. p. 485; Gaz. vol. 132; p. 1250.
- Cop-tube. S. W. Wardwell. No. 879,705; Feb. 18; Sp. p. 3740; Dr. p. 784; Gaz. vol. 132; p. 1514.
- Copals and the preparation of varnishes, Treatment of hard and semihard. H. Terrisse. No. 883,842; Apr. 7; Sp. p. 351; Gaz. vol. 133; p. 1247.
- Coping-machine. J. R. Peirce. No. 897,303; Sept. 1; Sp. p. 62; Dr. pp. 15-16; Gaz. vol. 136; p. 14.
- Copper and purifying, casting, and alloying the same. A. J. Rossi. No. 905,232; Dec. 1; Sp. p. 222; Gaz. vol. 137; p. 1021.
- Copper, Composition of matter to be used for the welding of. J. Crew. No. 906,202; Dec. 8; Sp. p. 2135; Gaz. vol. 137; p. 1366.
- Copper, Electrodeposition of. S. O. Cowper-Coles. No. 895,163; Aug. 4; Sp. p. 771; Dr. pp. 160-1; Gaz. vol. 135; p. 1022.
- Copper from a solution of copper, Obtaining pure. L. Juma. No. 883,962; Apr. 7; Sp. p. 599; Gaz. vol. 133; p. 1287.
- Copper from coagulated cellulose, Eliminating. E. Crumière. No. 904,684; Nov. 24; Sp. p. 4412; Gaz. vol. 137; p. 801.
- Copper from copper-bearing solutions, Recovering. L. Amenábar. No. 890,887; June 16; Sp. p. 3430; Dr. p. 752; Gaz. vol. 134; p. 1667.
- Copper from its ores, Electrometallurgical process for extracting. L. Juma. No. 883,961; Apr. 7; Sp. p. 598; Gaz. vol. 133; p. 1287.
- Copper from its ores, Recovering. H. M. Wilcox. (Reissue). No. 12,815; June 16; Sp. p. 4129; Dr. p. 904; Gaz. vol. 134; p. 1779.
- Copper from ore or matte by electrolysis, Recovering. H. K. Hess. No. 881,580; Mar. 10; Sp. p. 2162; Dr. p. 472; Gaz. vol. 133; p. 393.
- Copper from ores, Recovering. W. B. Potter. No. 894,902; Aug. 4; Sp. p. 231; Dr. p. 50; Gaz. vol. 135; p. 935.
- Copper, Hardening. H. V. Draper. No. 896,632; Aug. 18; Sp. p. 3673; Gaz. vol. 135; p. 1545.
- Copper homogeneous, Rendering electrolytic. M. A. Julien and E. L. Dessolle. No. 897,291; Sept. 1; Sp. p. 47; Dr. p. 11; Gaz. vol. 135; p. 11.
- Copper-leaching process. F. Laist. No. 903,732; Nov. 10; Sp. p. 2386; Gaz. vol. 137; p. 420.
- Copper-making apparatus. M. A. Julien and E. L. Dessolle. No. 884,021; Apr. 7; Sp. p. 715; Dr. p. 145; Gaz. vol. 133; p. 1307.
- Copper matte, Bessemerizing. G. H. Benjamin. No. 900,345; Oct. 6; Sp. p. 573; Dr. p. 119; Gaz. vol. 136; p. 1162.
- Copper mattes into blister copper, Bessemerizing or conversion of. J. D. Burgess. No. 877,292; Jan. 21; Sp. p. 3308; Dr. pp. 716-17; Gaz. vol. 132; p. 606.
- Copper, Obtaining pure. L. Juma. No. 885,622; Apr. 21; Sp. p. 4005; Gaz. vol. 133; p. 1885.
- Copper ore, Reduction of. L. Durand. No. 879,530; Feb. 18; Sp. p. 3355; Dr. p. 700; Gaz. vol. 132 p. 1457.
- Copper ores, Treating. J. T. Jones. No. 890,563; June 9; Sp. p. 2739; Dr. p. 606; Gaz. vol. 134; p. 1529.
- Copy-holder. J. A. Gardenhire. No. 881,786; Mar. 10; Sp. p. 2561; Dr. p. 550; Gaz. vol. 133; p. 457.
- Copy-holder. B. F. Truax. No. 882,220; Mar. 17; Sp. p. 3466; Dr. p. 737; Gaz. vol. 133; p. 626.
- Copy-holder. C. E. Ludington. No. 882,903; Mar. 24; Sp. p. 4807; Dr. p. 1022; Gaz. vol. 133; p. 884.
- Copy-holder. J. M. Bainer. No. 884,886; Apr. 14; Sp. p. 2491; Dr. p. 525; Gaz. vol. 133; p. 1617.
- Copy-holder. G. E. Wallin. No. 890,474; June 9; Sp. p. 2564; Dr. p. 568; Gaz. vol. 134; p. 1498.
- Copy-holder. G. A. Rausch, Jr. No. 893,593; July 14; Sp. p. 2468; Dr. p. 513; Gaz. vol. 135; p. 426.
- Copy-holder. A. W. Nyce, Jr. No. 898,596; Sept. 15; Sp. p. 2729; Dr. p. 583; Gaz. vol. 136; p. 500.
- Copy-holder. F. P. Shepard. No. 898,692; Sept. 15; Sp. p. 2927; Dr. p. 626; Gaz. vol. 136; p. 532.
- Copy-holder. M. L. Flynn. No. 899,520; Sept. 29; Sp. p. 4488; Dr. p. 964; Gaz. vol. 136; p. 863.
- Copy-press. C. E. Adamson. No. 880,491; Mar. 3; Sp. p. 1; Dr. p. 1; Gaz. vol. 133; p. 3.
- Copying apparatus, Exposure-plate for. J. Röttgen and J. Frey. No. 899,908; Sept. 29; Sp. p. 5301; Dr. p. 1133; Gaz. vol. 136; p. 990.
- Copying-block, Letter-press. W. Hilzinger. No. 877,565; Jan. 28; Sp. p. 3867; Dr. p. 836; Gaz. vol. 132; p. 716.
- Copying device, Letter-. A. B. Vane. No. 882,083; Mar. 17; Sp. p. 3216; Dr. p. 683; Gaz. vol. 133; p. 585.
- Copying-machine. A. D. Klaber. No. 876,561; Jan. 14; Sp. p. 1778; Dr. p. 388; Gaz. vol. 132; p. 322.
- Copying-machine. E. C. Magnus. No. 894,025; July 21; Sp. p. 3449; Dr. p. 705; Gaz. vol. 135; p. 600.
- Copying-press, Rotary. C. E. Adamson. No. 880,492; Mar. 3; Sp. p. 3; Dr. p. 1; Gaz. vol. 133; p. 3.
- Cord-clamping device. J. B. Lee. No. 891,484; June 23; Sp. p. 4662; Dr. p. 1010; Gaz. vol. 134; p. 1895.
- Cord-fastener. C. V. Hugo. No. 877,428; Jan. 21; Sp. p. 3570; Dr. p. 772; Gaz. vol. 132; p. 650.
- Cord-grip for mechanical or other fixtures. J. E. R. Hayes. No. 888,893; May 26; Sp. p. 5199; Dr. p. 1103; Gaz. vol. 134; p. 930.
- Cord-holder. M. Mayer. No. 892,174; June 30; Sp. p. 6065; Dr. p. 1304; Gaz. vol. 134; p. 2154.
- Cord-holder. J. A. Leifer. No. 905,892; Dec. 8; Sp. p. 1537; Gaz. vol. 137; p. 1266.
- Cord-making machine. J. P. Tolman and H. G. Pratt. No. 897,690; Sept. 1; Sp. p. 887; Dr. pp. 190-1; Gaz. vol. 136; p. 142.
- Cord or thread the component strands of which are coated, Coated. E. D. C. Bayne and L. A. Subers. No. 894,172; July 21; Sp. p. 3737; Dr. p. 772; Gaz. vol. 135; p. 648.
- Core-arbor. M. J. and H. J. Weber. No. 881,090; Mar. 3; Sp. p. 1194; Dr. p. 258; Gaz. vol. 133; p. 203.
- Core-box. A. H. Kudlich. No. 902,304; Oct. 27; Sp. p. 4667; Dr. p. 946; Gaz. vol. 136; p. 1895.
- Core-box. E. B. Horne. No. 904,697; Nov. 24; Sp. p. 4446; Gaz. vol. 137; p. 806.
- Core-box used in the art of molding for metal-casting. L. F. Millard. No. 903,102; Nov. 3; Sp. p. 1136; Gaz. vol. 137; p. 186.
- Core compound. S. Haley. No. 902,653; Nov. 3; Sp. p. 239; Gaz. vol. 137; p. 40.
- Core-drilling apparatus. C. A. Terry. No. 878,909; Feb. 11; Sp. p. 2121; Dr. p. 443; Gaz. vol. 132; p. 1215.
- Core-drilling apparatus, Shot-feeding means for. F. H. Davis. No. 902,564; Nov. 3; Sp. p. 65; Gaz. vol. 137; p. 11.
- Core-forming machine. W. N. Gartside. No. 898,734; Sept. 15; Sp. p. 2998; Dr. pp. 642-3; Gaz. vol. 136; p. 545.
- Core, Hollow-shock. R. F. Sigler. No. 887,705; May 12; Sp. p. 2765; Dr. p. 585; Gaz. vol. 134; p. 480.
- Core-making apparatus, Green-sand-. J. W. Gibney. No. 899,250; Sept. 22; Sp. p. 3998; Dr. pp. 852-3; Gaz. vol. 136; p. 742.
- Core-making apparatus, Sand-. W. D. Berry. No. 887,758; May 19; Sp. p. 2892; Dr. p. 610; Gaz. vol. 134; p. 526.
- Core-making apparatus, Tubular sand-. W. D. Berry. No. 887,757; May 19; Sp. p. 2896; Dr. p. 609; Gaz. vol. 134; p. 525.
- Core-making machine. C. H. Blau and G. W. Kelly. No. 886,927; May 5; Sp. p. 1178; Dr. p. 248; Gaz. vol. 134; p. 195.
- Core-making machine. F. C. Francisco. No. 906,005; Dec. 8; Sp. p. 1759; Gaz. vol. 137; p. 1302.
- Core-molding apparatus. H. W. Bracken. No. 900,054; Sept. 29; Sp. p. 5643; Dr. p. 1205; Gaz. vol. 136; p. 1038.
- Core-oven. B. H. Prack. No. 886,854; May 5; Sp. p. 1047; Dr. pp. 220-1; Gaz. vol. 134; p. 172.
- Core-venting apparatus. W. E. Clifford. No. 893,569; July 14; Sp. p. 2426; Dr. p. 505; Gaz. vol. 135; p. 419.
- Cores, Chaplet for. O. Frese and H. Rauch. No. 889,115; May 26; Sp. p. 5633; Dr. p. 1193; Gaz. vol. 134; p. 1001.
- Corer, Pineapple-. J. Lindsay. No. 891,555; June 23; Sp. p. 4809; Dr. p. 1038; Gaz. vol. 134; p. 1918.

Alphabetical list of inventions—Continued.

- Cork-cleansing apparatus. M. Ach. No. 880,955; Mar. 3; Sp. p. 943; Dr. p. 204; Gaz. vol. 133; p. 159.
- Cork, Composition. J. A. Jones. No. 903,865; Nov. 17; Sp. p. 2681; Gaz. vol. 137; p. 497.
- Cork-extracting device. D. Fialcofsky. No. 876,049; Jan. 7; Sp. p. 699; Dr. p. 150; Gaz. vol. 132; p. 121.
- Cork-extractor. G. M. Godfrey. No. 878,722; Feb. 11; Sp. p. 1764; Dr. p. 364; Gaz. vol. 132; p. 1156.
- Cork-extractor. W. T. Vallandingham. No. 883,988; Apr. 7; Sp. p. 654; Dr. p. 131; Gaz. vol. 133; p. 1290.
- Cork-extractor. H. L. Medley. No. 889,474; June 2; Sp. p. 580; Dr. p. 135; Gaz. vol. 134; p. 1149.
- Cork-extractor. C. J. Gromer. No. 892,720; July 7; Sp. p. 643; Dr. p. 136; Gaz. vol. 135; p. 112.
- Cork-extractor. W. W. Conner. No. 893,055; July 14; Sp. p. 1363; Dr. p. 287; Gaz. vol. 135; p. 252.
- Cork-extractor. S. E. Braddock. No. 899,380; Sept. 22; Sp. p. 4216; Dr. p. 902; Gaz. vol. 136; p. 782.
- Cork-extractor. Pocket. H. W. Noyes. No. 898,387; Sept. 8; Sp. p. 2304; Dr. p. 489; Gaz. vol. 136; p. 401.
- Cork-puller. C. Deusch. No. 884,322; Apr. 7; Sp. p. 1310; Dr. p. 277; Gaz. vol. 133; p. 1403.
- Cork-puller. H. S. Thompson. No. 897,176; Aug. 25; Sp. p. 4837; Dr. p. 1029; Gaz. vol. 135; p. 1748.
- Cork, Purifying. J. Serra (y Carbó). No. 903,013; Nov. 3; Sp. p. 972; Gaz. vol. 137; p. 161.
- Cork-turning machine. B. Lauer. No. 895,774; Aug. 11; Sp. p. 1994; Dr. pp. 422-4; Gaz. vol. 135; p. 1247.
- Corking-machine. F. Barthold. No. 882,612; Mar. 24; Sp. p. 4217; Dr. pp. 893-4; Gaz. vol. 133; p. 789.
- Corking-machine. F. Barthold. No. 882,663; Mar. 24; Sp. p. 4318; Dr. pp. 917-18; Gaz. vol. 133; p. 806.
- Corking-machine. C. Sellenscheidt. No. 888,538; May 26; Sp. p. 4414; Dr. pp. 936-7; Gaz. vol. 134; p. 810.
- Corking-machine. R. B. Gilchrist. No. 899,525; Sept. 29; Sp. p. 4498; Dr. p. 966; Gaz. vol. 136; p. 865.
- Corkscrew. W. J. Stanton. No. 884,873; Apr. 14; Sp. p. 2474; Dr. p. 521; Gaz. vol. 133; p. 1614.
- Corkscrew. C. H. Hutchinson. No. 891,260; June 23; Sp. p. 4199; Dr. p. 919; Gaz. vol. 134; p. 1821.
- Corn and other grain, Degerming Indian. J. F. Gent. No. 889,116; May 26; Sp. p. 5634; Dr. p. 1193; Gaz. vol. 134; p. 1001.
- Corn and the like, Holder for. G. P. Huguet. No. 886,510; May 5; Sp. p. 334; Dr. p. 69; Gaz. vol. 134; p. 61.
- Corn, Apparatus for the degermination of Indian. J. F. Gent. No. 877,040; Jan. 28; Sp. p. 4009; Dr. pp. 866-7; Gaz. vol. 132; p. 740.
- Corn, Apparatus for tipping seed-. B. G. Mease. No. 886,229; Apr. 28; Sp. p. 5245; Dr. p. 1105; Gaz. vol. 133; p. 2114.
- Corn-crib. J. W. Van Wyhe. No. 900,618; Oct. 6; Sp. p. 1175; Dr. p. 240; Gaz. vol. 136; p. 1253.
- Corn-cutter. W. S. Huffaker. No. 897,901; Sept. 8; Sp. p. 1358; Dr. p. 291; Gaz. vol. 136; p. 246.
- Corn-cutter knife. A. W. Thomas. No. 894,804; July 28; Sp. p. 5019; Dr. p. 1046; Gaz. vol. 135; p. 875.
- Corn-cutting machine. F. U. Smith. No. 898,518; Sept. 15; Sp. p. 2579; Dr. p. 551; Gaz. vol. 136; p. 476.
- Corn for table use, Preparing. F. A. Collins. No. 880,359; Feb. 25; Sp. p. 5074; Dr. p. 1072; Gaz. vol. 132; p. 1762.
- Corn fork, Green-. G. W. Ruggles. No. 880,166; Feb. 25; Sp. p. 4700; Dr. p. 991; Gaz. vol. 132; p. 1698.
- Corn from corncocks, Apparatus for removing the grains of. W. B. George. No. 879,457; Feb. 18; Sp. p. 3224; Dr. p. 670; Gaz. vol. 132; p. 1433.
- Corn from the cob, Device for removing green. R. M. Clift. No. 903,056; Nov. 3; Sp. p. 1053; Gaz. vol. 137; p. 172.
- Corn gatherer and picker. J. E. and J. P. Larson. No. 876,464; Jan. 14; Sp. p. 1574; Dr. p. 338; Gaz. vol. 132; p. 288.
- Corn gathering and husking machine. N. M. Anderson. No. 884,308; Apr. 7; Sp. p. 1285; Dr. pp. 272-3; Gaz. vol. 133; p. 1398.
- Corn-gathering machine. W. Hibbs. No. 890,648; June 16; Sp. p. 2951; Dr. p. 646; Gaz. vol. 134; p. 1590.
- Corn-grader. A. Struble. No. 885,995; Apr. 21; Sp. p. 3568; Dr. p. 747; Gaz. vol. 133; p. 1816.
- Corn-grader. W. A. Werckle. No. 887,557; May 12; Sp. p. 2507; Dr. p. 528; Gaz. vol. 134; p. 431.
- Corn, grain, &c., Dry separator for. A. Burian. No. 895,616; Aug. 11; Sp. p. 1681; Dr. p. 355; Gaz. vol. 135; p. 1196.
- Corn harvesting and husking machine. E. G. Calkins. No. 905,408; Dec. 1; Sp. p. 557; Gaz. vol. 137; p. 1079.
- Corn header, Kafir-. A. H. Kee. No. 895,470; Aug. 11; Sp. p. 1403; Dr. p. 294; Gaz. vol. 135; p. 1149.
- Corn-holder. J. Bustanoby. No. 889,434; June 2; Sp. p. 487; Dr. p. 116; Gaz. vol. 134; p. 1136.
- Corn-husker. C. E. Trent. No. 877,143; Jan. 21; Sp. p. 3006; Dr. pp. 650-1; Gaz. vol. 132; p. 556.
- Corn-husker. J. W. Ertz. No. 878,365; Feb. 4; Sp. p. 956; Dr. p. 192; Gaz. vol. 132; p. 1004.
- Corn-husker. L. Cutter. No. 879,150; Feb. 18; Sp. p. 2592; Dr. pp. 539-40; Gaz. vol. 132; p. 1333.
- Corn-husker. F. A. Ingersoll. No. 882,500; Mar. 17; Sp. p. 3972; Dr. p. 849; Gaz. vol. 133; p. 719.
- Corn-husker. S. H. Minnis. No. 886,147; Apr. 28; Sp. p. 5107; Dr. p. 1072; Gaz. vol. 133; p. 2088.
- Corn-husker. T. L. Brumback. No. 903,446; Nov. 10; Sp. p. 1808; Gaz. vol. 137; p. 329.
- Corn husker and shredder. J. J. Power. No. 900,882; Oct. 13; Sp. p. 1732; Dr. pp. 349-50; Gaz. vol. 136; p. 1365.
- Corn-husking and fodder-shredding machine. J. R. Hall. No. 890,275; June 9; Sp. p. 2201; Dr. p. 483; Gaz. vol. 134; p. 1435.
- Corn-husking implement. A. C. Baughman. No. 886,033; Apr. 28; Sp. p. 4896; Dr. p. 1029; Gaz. vol. 133; p. 2051.
- Corn-husking device. A. E. Hall. No. 877,461; Jan. 21; Sp. p. 3628; Dr. pp. 785-6; Gaz. vol. 132; p. 659.
- Corn-husking machine. J. Hettrich. No. 876,802; Jan. 14; Sp. p. 2255; Dr. p. 496; Gaz. vol. 132; p. 400.
- Corn-husking machine. F. and F. T. McInturf. No. 879,404; Feb. 18; Sp. p. 3103; Dr. pp. 645-6; Gaz. vol. 132; p. 1416.
- Corn-husking machine. F. and F. T. McInturf. No. 879,405; Feb. 18; Sp. p. 3107; Dr. p. 646; Gaz. vol. 132; p. 1416.
- Corn-husking machine. C. Gormley. No. 879,538; Feb. 18; Sp. p. 3374; Dr. pp. 705-6; Gaz. vol. 132; p. 1460.
- Corn-husking machine. E. G. Adams. No. 881,761; Mar. 10; Sp. p. 2516; Dr. p. 542; Gaz. vol. 133; p. 449.
- Corn-husking machine. E. B. Harman and L. Taylor. No. 882,466; Mar. 17; Sp. p. 3915; Dr. pp. 837-8; Gaz. vol. 133; p. 708.
- Corn-husking machine. C. E. Storm. No. 889,983; June 9; Sp. p. 1563; Dr. p. 353; Gaz. vol. 134; p. 1338.
- Corn-husking machine. W. H. Sells. No. 890,185; June 9; Sp. p. 1990; Dr. p. 439; Gaz. vol. 134; p. 1407.
- Corn-husking machine. W. S. Baird. No. 892,208; June 30; Sp. p. 6133; Dr. pp. 1319-21; Gaz. vol. 134; p. 2165.
- Corn-husking machine. W. D. Nelson. No. 897,224; Aug. 25; Sp. p. 4948; Dr. pp. 1050-1; Gaz. vol. 135; p. 1763.
- Corn-husking machine. W. N. Springer. No. 893,392; Sept. 8; Sp. p. 2311; Dr. pp. 491-2; Gaz. vol. 136; p. 402.
- Corn-husking machine. J. F. White. No. 899,777; Sept. 29; Sp. p. 5040; Dr. p. 1080; Gaz. vol. 136; p. 949.
- Corn-husking machine. W. Hibbs. No. 902,729; Nov. 3; Sp. p. 395; Gaz. vol. 137; p. 64.
- Corn-husking machine, Green-. L. J. Coryell. No. 878,610; Feb. 11; Sp. p. 1549; Dr. p. 316; Gaz. vol. 132; p. 1120.
- Corn-husking machine, Green-. W. J. Lathford. No. 882,472; Mar. 17; Sp. p. 3927; Dr. p. 839; Gaz. vol. 133; p. 710.
- Corn-knife, Safety. H. Schwartz and B. Zsivanovics. No. 892,316; June 30; Sp. p. 6333; Dr. p. 1364; Gaz. vol. 134; p. 2201.
- Corn, Machine for removing silk from ears of. S. E., W. W., and J. Morral. No. 900,189; Oct. 6; Sp. p. 250; Dr. p. 50; Gaz. vol. 136; p. 1113.
- Corn, Machine for removing the butt-ends of ears of. S. E. and W. W. Morral. No. 907,849; Dec. 29; Sp. p. 5392; Gaz. vol. 137; p. 1993.
- Corn magnifier, Seed-. G. Anderson. No. 879,717; Feb. 18; Sp. p. 3761; Dr. p. 789; Gaz. vol. 132; p. 1518.
- Corn, Method and apparatus for popping. H. G. Eckstein. No. 904,186; Nov. 17; Sp. p. 3378; Gaz. vol. 137; p. 607.
- Corn-mill. W. C. and F. D. Meadows. No. 888,631; May 26; Sp. p. 4629; Dr. p. 982; Gaz. vol. 134; p. 845.
- Corn or grain crib. C. B. Hurst. No. 906,027; Dec. 8; Sp. p. 1797; Gaz. vol. 137; p. 1309.
- Corn-planter. E. Blaney. No. 906,769; Dec. 15; Sp. p. 3201; Gaz. vol. 137; p. 1573.
- Corn-planter and marker. W. H. Lucan. No. 904,271; Nov. 17; Sp. p. 3552; Gaz. vol. 137; p. 636.
- Corn-planter clutch. W. S. Graham. No. 907,783; Dec. 29; Sp. p. 5266; Gaz. vol. 137; p. 1972.
- Corn-popper. N. W. Emmer. No. 876,786; Jan. 14; Sp. p. 2233; Dr. p. 491; Gaz. vol. 132; p. 396.
- Corn-popper. W. Ayres. No. 898,953; Sept. 15; Sp. p. 3385; Dr. p. 727; Gaz. vol. 136; p. 616.
- Corn-popper. H. L. Leilich. No. 901,302; Oct. 13; Sp. p. 2545; Dr. p. 523; Gaz. vol. 136; p. 1500.
- Corn-popper. S. A. Jones. No. 907,370; Dec. 22; Sp. p. 4378; Gaz. vol. 137; p. 1804.
- Corn-popper, Double-acting. F. B. Rennick. No. 894,696; July 28; Sp. p. 4824; Dr. p. 1002; Gaz. vol. 135; p. 841.
- Corn-popping machine. L. M. Wesner and E. M. Dixon. No. 878,918; Feb. 11; Sp. p. 2136; Dr. pp. 445-6; Gaz. vol. 132; p. 1218.
- Corn-rack. F. D. Dutton. No. 881,560; Mar. 10; Sp. p. 2119; Dr. p. 463; Gaz. vol. 133; p. 386.
- Corn separator, Seed-. C. F. Asplund. No. 907,947; Dec. 29; Sp. p. 5611; Gaz. vol. 137; p. 2024.
- Corn-sheller. W. F. Elliott. No. 880,286; Feb. 25; Sp. p. 4954; Dr. p. 1046; Gaz. vol. 132; p. 1739.
- Corn-sheller. J. V. Stradley. No. 882,723; Mar. 24; Sp. p. 4437; Dr. p. 943; Gaz. vol. 133; p. 826.
- Corn-sheller. A. H. Patch. No. 897,649; Sept. 1; Sp. p. 824; Dr. pp. 172-3; Gaz. vol. 136; p. 132.
- Corn-sheller. A. R. Ludington and H. K. Olmsted. No. 901,463; Oct. 20; Sp. p. 2929; Dr. p. 597; Gaz. vol. 136; p. 1591.
- Corn-sheller. W. H. Holclaw. No. 901,968; Oct. 27; Sp. p. 3968; Dr. p. 810; Gaz. vol. 136; p. 1787.
- Corn-sheller. C. J. Widmer. No. 905,259; Dec. 1; Sp. p. 269; Gaz. vol. 137; p. 1029.
- Corn-sheller attachment. G. B. Nelson. No. 884,944; Apr. 14; Sp. p. 2608; Dr. p. 550; Gaz. vol. 133; p. 1634.
- Corn-sheller cleaning apparatus. F. Hall. No. 878,725; Feb. 11; Sp. p. 1770; Dr. p. 366; Gaz. vol. 132; p. 1157.
- Corn-sheller feed-regulator. W. J. Steckel. No. 885,881; Apr. 28; Sp. p. 4550; Dr. p. 954; Gaz. vol. 133; p. 2001.
- Corn-sheller machine. A. D. and A. C. Cone. No. 885,665; Apr. 21; Sp. p. 4095; Dr. p. 857; Gaz. vol. 133; p. 1808.
- Corn-shellers, Cob-gate for. A. H. and H. A. Berns. No. 878,037; Feb. 4; Sp. p. 299; Dr. p. 63; Gaz. vol. 132; p. 866.
- Corn-shock loader. G. Winemiller and G. Gentslinger. No. 884,307; Apr. 7; Sp. p. 1284; Dr. p. 272; Gaz. vol. 133; p. 1397.
- Corn-shocker. I. C. Nolte. No. 908,027; Dec. 29; Sp. p. 5775; Gaz. vol. 137; p. 2051.
- Corn-silker. J. H. Pierce. No. 885,373; Apr. 21; Sp. p. 3522; Dr. pp. 735-7; Gaz. vol. 133; p. 1809.
- Corn-silting device, Sweet-. G. A. Bahn. No. 881,841; Mar. 10; Sp. p. 2677; Dr. p. 573; Gaz. vol. 133; p. 476.
- Corn, Storage device for seed-. C. J. Ostrum. No. 887,960; May 19; Sp. p. 3299; Dr. p. 693; Gaz. vol. 134; p. 594.
- Corn tester, Seed-. C. G. Taylor. No. 899,000; Sept. 15; Sp. p. 3470; Dr. p. 743; Gaz. vol. 136; p. 631.

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- Corn tipper, Seed-. W. T. Caldwell. No. 907,457; Dec. 22; Sp. p. 4567; Gaz. vol. 137; p. 1836.
- Corn-topper. S. E. Woods. No. 876,615; Jan. 14; Sp. p. 1918; Dr. pp. 418-19; Gaz. vol. 132; p. 341.
- Corn-tops, Device for facilitating the tying of. D. W. Flynn. No. 886,048; Apr. 28; Sp. p. 4917; Dr. p. 1034; Gaz. vol. 133; p. 2055.
- Corn tree, Seed-. J. C. Blackford. No. 878,271; Feb. 4; Sp. p. 776; Dr. p. 155; Gaz. vol. 132; p. 973.
- Cornmeal product. E. W. Simons. No. 876,662; Jan. 14; Sp. p. 2019; Gaz. vol. 132; p. 358.
- Corner-bar. C. B. Cushwa. No. 881,463; Mar. 10; Sp. p. 1936; Dr. p. 421; Gaz. vol. 133; p. 353.
- Corner-head. F. White. No. 902,632; Nov. 3; Sp. p. 200; Gaz. vol. 137; p. 34.
- Corner-fastening for cupboards, &c. C. L. Grellick. No. 877,767; Jan. 28; Sp. p. 4241; Dr. p. 921; Gaz. vol. 132; p. 779.
- Corner-socket. S. M. Chase. No. 896,085; Aug. 18; Sp. p. 2610; Dr. p. 566; Gaz. vol. 135; p. 1370.
- Cornet. A. O. Paulson. No. 887,120; May 12; Sp. p. 1554; Dr. p. 329; Gaz. vol. 134; p. 285.
- Cornet or the like. T. C. Edwards. No. 886,783; May 5; Sp. p. 916; Dr. pp. 190-1; Gaz. vol. 134; p. 151.
- Cornice-making machine. E. McMahon. No. 901,364; Oct. 20; Sp. p. 2688; Dr. pp. 551-2; Gaz. vol. 136; p. 1557.
- Corroding-pot. A. J. Meier. No. 906,253; Dec. 8; Sp. p. 2236; Gaz. vol. 137; p. 1383.
- Corrugating device. W. W. Stout. No. 896,170; Aug. 18; Sp. p. 2756; Dr. p. 593; Gaz. vol. 135; p. 1395.
- Corrugating-machine. I. W. Numan. No. 890,526; June 9; Sp. p. 2665; Dr. p. 588; Gaz. vol. 134; p. 1515.
- Corset. M. Bachura. No. 877,978; Feb. 4; Sp. p. 161; Dr. p. 36; Gaz. vol. 132; p. 876.
- Corset. J. Cohen. No. 878,351; Feb. 4; Sp. p. 930; Dr. p. 185; Gaz. vol. 132; p. 999.
- Corset. E. Abadie-Leotard. No. 878,446; Feb. 4; Sp. p. 1100; Dr. p. 225; Gaz. vol. 132; p. 1030.
- Corset. Z. T. Hoskins. No. 880,532; Mar. 3; Sp. p. 73; Dr. p. 18; Gaz. vol. 133; p. 16.
- Corset. A. J. Lecoutre. No. 880,802; Mar. 3; Sp. p. 636; Dr. p. 133; Gaz. vol. 133; p. 110.
- Corset. M. Schottlander. No. 882,423; Mar. 17; Sp. p. 3839; Dr. p. 820; Gaz. vol. 133; p. 694.
- Corset. H. H. Treffer. No. 894,763; July 28; Sp. p. 4934; Dr. p. 1028; Gaz. vol. 135; p. 861.
- Corset. A. J. Lecoutre. (Reissue). No. 12,838; Aug. 4; Sp. p. 1266; Dr. p. 267; Gaz. vol. 135; p. 1105.
- Corset. C. L. Olmstead. No. 897,480; Sept. 1; Sp. p. 486; Dr. p. 104; Gaz. vol. 136; p. 77.
- Corset. T. G. Bowers. No. 899,100; Sept. 22; Sp. p. 3668; Dr. p. 785; Gaz. vol. 136; p. 692.
- Corset. C. B. Howd. No. 899,113; Sept. 22; Sp. p. 3688; Dr. p. 790; Gaz. vol. 136; p. 696.
- Corset. E. G. Hintz. No. 899,165; Sept. 22; Sp. p. 3806; Dr. p. 814; Gaz. vol. 136; p. 714.
- Corset. F. J. and N. L. Digne. No. 900,711; Oct. 13; Sp. p. 1372; Dr. pp. 279-80; Gaz. vol. 136; p. 1311.
- Corset. M. J. Lang. No. 903,204; Nov. 10; Sp. p. 1341; Gaz. vol. 137; p. 250.
- Corset. K. V. Toietiti. No. 904,574; Nov. 24; Sp. p. 4199; Gaz. vol. 137; p. 764.
- Corset. M. Heath. No. 907,232; Dec. 22; Sp. p. 4115; Gaz. vol. 137; p. 1758.
- Corset, Abdominal reducing-. S. Burnstein. No. 906,196; Dec. 8; Sp. p. 2124; Gaz. vol. 137; p. 1364.
- Corset and corselet, Combined. R. A. Whitehouse. No. 883,125; Mar. 24; Sp. p. 5237; Dr. p. 1117; Gaz. vol. 133; p. 957.
- Corset, Appareil-. D. Kops. No. 887,656; May 12; Sp. p. 2688; Dr. p. 568; Gaz. vol. 134; p. 462.
- Corset, Appareil-. D. Kops. No. 898,749; Sept. 15; Sp. p. 3021; Dr. p. 647; Gaz. vol. 136; p. 549.
- Corset, Appareil-. D. Kops. No. 898,750; Sept. 15; Sp. p. 3024; Dr. p. 648; Gaz. vol. 136; p. 550.
- Corset-attachment. M. E. Risk. No. 886,076; Apr. 28; Sp. p. 4963; Dr. p. 1044; Gaz. vol. 133; p. 2065.
- Corset-attachment back-protector. G. F. Shankland. No. 903,238; Nov. 10; Sp. p. 1409; Gaz. vol. 137; p. 261.
- Corset-clasp. V. K. Forse. No. 885,033; Apr. 21; Sp. p. 2794; Dr. p. 591; Gaz. vol. 133; p. 1696.
- Corset-closure. Z. T. Hoskins. No. 880,736; Mar. 3; Sp. p. 499; Dr. p. 104; Gaz. vol. 133; p. 86.
- Corset-cover and undervest, Combined. M. K. Bennett. No. 907,444; Dec. 22; Sp. p. 4541; Gaz. vol. 137; p. 1830.
- Corset-gore-adjusting device. M. Sahlin. No. 891,865; June 30; Sp. p. 5469; Dr. p. 1181; Gaz. vol. 134; p. 2054.
- Corset-shield. A. Hill. No. 888,330; May 19; Sp. p. 3982; Dr. p. 839; Gaz. vol. 134; p. 711.
- Corset-waist. L. Nelson. No. 897,646; Sept. 1; Sp. p. 816; Dr. p. 171; Gaz. vol. 136; p. 131.
- Corsets, Abdominal strap for apparel-. S. Kops. No. 892,742; July 7; Sp. p. 691; Dr. p. 145; Gaz. vol. 135; p. 119.
- Corsets, Abdominal supporting attachment for. G. Lanzendorfer. No. 891,483; June 23; Sp. p. 4661; Dr. p. 1010; Gaz. vol. 134; p. 1895.
- Corsets and other garments, Attachment for. W. J. Parker. No. 882,412; Mar. 17; Sp. p. 3821; Dr. p. 816; Gaz. vol. 133; p. 690.
- Costumer. H. J. Habermas. No. 877,189; Jan. 21; Sp. p. 3107; Dr. p. 672; Gaz. vol. 132; p. 571.
- Cot and bath-tub cabinet, Folding. B. W. Pattinson. No. 898,598; Sept. 15; Sp. p. 2732; Dr. p. 584; Gaz. vol. 136; p. 501.
- Cot and bath-tub, Combined. R. L. and J. B. McCord. No. 898,324; June 2; Sp. p. 255; Dr. p. 62; Gaz. vol. 134; p. 1100.
- Cot and pack-sack, Convertible. C. F. Forsell and T. Ekroot. No. 878,055; Feb. 4; Sp. p. 333; Dr. p. 69; Gaz. vol. 132; p. 902.
- Cot, Emergency-. M. H. Thompson. No. 879,988; Feb. 25; Sp. p. 4338; Dr. pp. 909-10; Gaz. vol. 132; p. 1640.
- Cot, Folding. P. J. Oberg. No. 904,006; Nov. 17; Sp. p. 2985; Gaz. vol. 137; p. 545.
- Cotter. C. Chambers, Jr. No. 895,842; Aug. 11; Sp. p. 2142; Dr. p. 454; Gaz. vol. 135; p. 1269.
- Cotter-pin. D. W. Smith. No. 898,277; Sept. 8; Sp. p. 2108; Dr. p. 448; Gaz. vol. 136; p. 365.
- Cotter-pins, Device for applying and removing. W. C. Jaegle. No. 895,404; Aug. 4; Sp. p. 1249; Dr. p. 264; Gaz. vol. 135; p. 1103.
- Cotton and other fibers, Clearer for preparing frames for. N. S. Brown. No. 880,007; Feb. 25; Sp. p. 4374; Dr. p. 917; Gaz. vol. 132; p. 1646.
- Cotton-bleaching apparatus, Seed-. J. B. Brennan. No. 884,359; Apr. 14; Sp. p. 1401; Dr. p. 300; Gaz. vol. 133; p. 1444.
- Cotton-chopper. S. W. Jackson. No. 878,066; Feb. 4; Sp. p. 358; Dr. pp. 73-4; Gaz. vol. 132; p. 906.
- Cotton-chopper. G. B. Gauntt. No. 878,373; Feb. 4; Sp. p. 968; Dr. p. 194; Gaz. vol. 132; p. 1006.
- Cotton-chopper. J. H. Kennebrew. No. 878,537; Feb. 11; Sp. p. 1370; Dr. p. 281; Gaz. vol. 132; p. 1094.
- Cotton-chopper. W. M. Jones. No. 879,647; Feb. 18; Sp. p. 3622; Dr. p. 757; Gaz. vol. 132; p. 1495.
- Cotton-chopper. J. S. Williams. No. 881,274; Mar. 10; Sp. p. 1571; Dr. p. 336; Gaz. vol. 133; p. 294.
- Cotton-chopper. W. D. McClure. No. 882,335; Mar. 17; Sp. p. 3697; Dr. p. 786; Gaz. vol. 133; p. 666.
- Cotton-chopper. W. McCaleb. No. 882,409; Mar. 17; Sp. p. 3814; Dr. p. 815; Gaz. vol. 133; p. 689.
- Cotton-chopper. R. Henry. No. 882,757; Mar. 24; Sp. p. 4504; Dr. p. 960; Gaz. vol. 133; p. 837.
- Cotton-chopper. C. E. Smith. No. 883,580; Mar. 31; Sp. p. 6191; Dr. pp. 1318-19; Gaz. vol. 133; p. 1134.
- Cotton-chopper. D. S. Ballance. No. 883,610; Mar. 31; Sp. p. 6239; Dr. p. 1331; Gaz. vol. 133; p. 1143.
- Cotton-chopper. W. B. Davis. No. 883,628; Mar. 31; Sp. p. 6277; Dr. p. 1339; Gaz. vol. 133; p. 1149.
- Cotton-chopper. B. F. White. No. 884,248; Apr. 7; Sp. p. 1194; Dr. p. 251; Gaz. vol. 133; p. 1380.
- Cotton-chopper. J. S. Barnett. No. 885,315; Apr. 21; Sp. p. 3404; Dr. p. 711; Gaz. vol. 133; p. 1790.
- Cotton-chopper. A. A. Bullock. No. 885,432; Apr. 21; Sp. p. 3627; Dr. p. 760; Gaz. vol. 133; p. 1827.
- Cotton-chopper. T. J. Smith. No. 885,654; Apr. 21; Sp. p. 4076; Dr. pp. 852-3; Gaz. vol. 133; p. 1895.
- Cotton-chopper. S. Truitt. No. 887,876; May 19; Sp. p. 3144; Dr. p. 661; Gaz. vol. 134; p. 566.
- Cotton-chopper. T. B. Catlett. No. 890,260; June 9; Sp. p. 2141; Dr. pp. 469-70; Gaz. vol. 134; p. 1431.
- Cotton-chopper. E. G. Williams. No. 892,106; June 30; Sp. p. 5921; Dr. pp. 1276-7; Gaz. vol. 134; p. 2131.
- Cotton-chopper. S. Vance. No. 894,353; July 28; Sp. p. 4139; Dr. p. 855; Gaz. vol. 135; p. 729.
- Cotton-chopper. J. W. Allen. No. 894,715; July 28; Sp. p. 4851; Dr. p. 1008; Gaz. vol. 135; p. 846.
- Cotton-chopper. A. W. Smith. No. 894,911; Aug. 4; Sp. p. 246; Dr. p. 53; Gaz. vol. 135; p. 937.
- Cotton-chopper. L. D. Gresham. No. 895,259; Aug. 4; Sp. p. 982; Dr. p. 205; Gaz. vol. 135; p. 1056.
- Cotton-chopper. J. T. Hamilton. No. 902,075; Oct. 27; Sp. p. 4200; Dr. p. 851; Gaz. vol. 136; p. 1820.
- Cotton-chopper. W. D. Linsley. No. 902,500; Oct. 27; Sp. p. 5111; Dr. pp. 1034-5; Gaz. vol. 136; p. 1961.
- Cotton-chopper. C. L. Ferriott. No. 902,721; Nov. 3; Sp. p. 380; Gaz. vol. 137; p. 65.
- Cotton-chopper. F. Frawick. No. 904,379; Nov. 17; Sp. p. 3775; Gaz. vol. 137; p. 672.
- Cotton-chopper. C. E. Hedgepeth. No. 904,427; Nov. 17; Sp. p. 3872; Gaz. vol. 137; p. 688.
- Cotton-chopper. D. N. Blackwell. No. 906,768; Dec. 15; Sp. p. 3199; Gaz. vol. 137; p. 1573.
- Cotton-chopper. B. V. and S. Henry. No. 908,096; Dec. 29; Sp. p. 5918; Gaz. vol. 137; p. 2074.
- Cotton chopper and cultivator. W. J. Smith. No. 876,664; Jan. 14; Sp. p. 2021; Dr. p. 441; Gaz. vol. 132; p. 358.
- Cotton chopper and cultivator. T. T. Leeroy. No. 900,106; Oct. 6; Sp. p. 69; Dr. pp. 12-13; Gaz. vol. 136; p. 1086.
- Cotton chopper and cultivator. J. H. Dunn. No. 902,385; Oct. 27; Sp. p. 4841; Dr. p. 979; Gaz. vol. 136; p. 1921.
- Cotton chopper and cultivator. R. H. Purnell. No. 903,001; Nov. 3; Sp. p. 948; Gaz. vol. 137; p. 157.
- Cotton chopper and cultivator, Combined. G. W. Sharp. No. 882,971; Mar. 24; Sp. p. 4936; Dr. p. 1048; Gaz. vol. 133; p. 908.
- Cotton chopper and cultivator, Combined. J. F. Agee. No. 904,038; Nov. 17; Sp. p. 3048; Gaz. vol. 137; p. 555.
- Cotton-chopper, Automatic electric. D. R. Bragunier and A. B. Thompson. No. 886,179; Apr. 28; Sp. p. 5155; Dr. p. 1085; Gaz. vol. 133; p. 2097.
- Cotton chopper or cultivator. C. L. Ferriott. No. 877,470; Jan. 21; Sp. p. 3645; Dr. p. 790; Gaz. vol. 132; p. 663.
- Cotton-chopper riding attachment. N. S. Sodekson. No. 903,336; Nov. 10; Sp. p. 1602; Gaz. vol. 137; p. 293.
- Cotton-cleaner. F. Phelps. No. 876,394; Jan. 14; Sp. p. 1417; Dr. p. 305; Gaz. vol. 132; p. 264.
- Cotton-cleaner. A. Rouquier. No. 883,349; Mar. 31; Sp. p. 5691; Dr. pp. 1215-16; Gaz. vol. 133; p. 1060.
- Cotton cleaner and distributor. R. L. Hollingsworth. No. 884,157; Apr. 7; Sp. p. 1038; Dr. p. 216; Gaz. vol. 133; p. 1351.
- Cotton-cleaner and gin-feeder. J. M. Sheppard. No. 898,072; Sept. 8; Sp. p. 1721; Dr. pp. 365-6; Gaz. vol. 136; p. 301.
- Cotton cleaner, Cracked-boll-. W. H. Holtby. No. 907,802; Dec. 29; Sp. p. 5308; Gaz. vol. 137; p. 1979.

Alphabetical list of inventions—Continued.

- Cotton cleaner, feeder, and separator elevator. E. A. Carmouche. No. 888,422; May 19; Sp. p. 4189; Dr. p. 888; Gaz. vol. 134; p. 742.
 Cotton cleaning and feeding mechanism. R. B. Lumpkin. No. 887,207; May 12; Sp. p. 1705; Dr. pp. 362-3; Gaz. vol. 134; p. 312.
 Cotton-cleaning machine. J. M. Gardner. No. 888,396; May 19; Sp. p. 4116; Dr. p. 868; Gaz. vol. 134; p. 733.
 Cotton-compress. J. W. Gregory. No. 878,796; Feb. 11; Sp. p. 1914; Dr. p. 393; Gaz. vol. 132; p. 1180.
 Cotton-compress. T. B. Lee. No. 902,976; Nov. 3; Sp. p. 884; Gaz. vol. 137; p. 148.
 Cotton-cultivating implement. A. L. and J. C. Kirkpatrick. No. 907,508; Dec. 22; Sp. p. 4660; Gaz. vol. 137; p. 1851.
 Cotton-distributing apparatus. A. H. Morton. No. 881,940; Mar. 17; Sp. p. 2914; Dr. pp. 622-3; Gaz. vol. 133; p. 538.
 Cotton-drying apparatus, Seed-. J. A. Adams. No. 879,715; Feb. 18; Sp. p. 3757; Dr. p. 788; Gaz. vol. 132; p. 1517.
 Cotton elevator and distributor. T. J. Simmons. No. 902,921; Nov. 3; Sp. p. 782; Gaz. vol. 137; p. 130.
 Cotton-gathering apparatus. J. F. O'Shaughnessy. No. 889,959; June 9; Sp. p. 1521; Dr. p. 343; Gaz. vol. 134; p. 1330.
 Cotton-gathering machine. J. F. O'Shaughnessy. No. 889,957; June 9; Sp. p. 1515; Dr. p. 342; Gaz. vol. 134; p. 1329.
 Cotton-gathering machine. J. F. O'Shaughnessy. No. 889,958; June 9; Sp. p. 1518; Dr. pp. 342-3; Gaz. vol. 134; p. 1329.
 Cotton-gin. B. Thoens. No. 876,412; Jan. 14; Sp. p. 1453; Dr. p. 312; Gaz. vol. 132; p. 270.
 Cotton-gin. N. Pearse. No. 880,325; Feb. 25; Sp. p. 5014; Dr. p. 1058; Gaz. vol. 132; p. 1751.
 Cotton-gin. R. B. Lumpkin. No. 887,487; May 12; Sp. p. 2374; Dr. pp. 498-9; Gaz. vol. 134; p. 407.
 Cotton-gin. L. H. Dyer. No. 891,798; June 23; Sp. p. 5314; Dr. pp. 1150-1; Gaz. vol. 134; p. 2001.
 Cotton-gin feed attachment. C. B. P. Carver. No. 878,188; Feb. 4; Sp. p. 616; Dr. pp. 126-7; Gaz. vol. 132; p. 946.
 Cotton-gin feed-regulator. L. A. McCreary. No. 887,497; May 12; Sp. p. 2393; Dr. p. 503; Gaz. vol. 134; p. 411.
 Cotton-gin rib. T. A. Andrews. No. 882,732; Mar. 24; Sp. p. 4453; Dr. p. 947; Gaz. vol. 133; p. 828.
 Cotton-gin, Roller. W. L. Crowson. No. 904,939; Nov. 24; Sp. p. 4967; Gaz. vol. 137; p. 886.
 Cotton-gin, Sawless. L. David. No. 895,730; Aug. 11; Sp. p. 1918; Dr. p. 406; Gaz. vol. 135; p. 1234.
 Cotton-ginning machinery. J. B. Cornwall. No. 894,605; July 28; Sp. p. 4652; Dr. p. 965; Gaz. vol. 135; p. 811.
 Cotton-handling apparatus. A. A. Sullivan. No. 892,912; July 7; Sp. p. 1059; Dr. p. 222; Gaz. vol. 135; p. 175.
 Cotton-handling apparatus, Seed-. J. T. Fuller. No. 897,079; Aug. 25; Sp. p. 4652; Dr. pp. 991-2; Gaz. vol. 135; p. 1717.
 Cotton, Implement for chopping or thinning out. A. Redding. No. 890,096; June 9; Sp. p. 1800; Dr. p. 398; Gaz. vol. 134; p. 1377.
 Cotton or other fibers, Machine for opening and cleaning. R. and J. Greenhalgh. No. 903,969; Nov. 17; Sp. p. 2914; Gaz. vol. 137; p. 531.
 Cotton-packer. E. B. Cass. No. 893,145; July 14; Sp. p. 1545; Dr. pp. 325-6; Gaz. vol. 135; p. 281.
 Cotton-picker. R. E. Cheesman. No. 881,056; Mar. 3; Sp. p. 1122; Dr. p. 243; Gaz. vol. 133; p. 192.
 Cotton-picker. C. H. and D. H. Feary. No. 882,458; Mar. 17; Sp. p. 3902; Dr. p. 834; Gaz. vol. 133; p. 705.
 Cotton-picker. J. S. Glover. No. 885,606; Apr. 21; Sp. p. 3971; Dr. pp. 828-9; Gaz. vol. 133; p. 1879.
 Cotton-picker. I. A. Murchison. No. 886,236; Apr. 28; Sp. p. 5256; Dr. p. 1107; Gaz. vol. 133; p. 2116.
 Cotton-picker. H. A. Babbitt. No. 887,178; May 12; Sp. p. 1651; Dr. p. 351; Gaz. vol. 134; p. 303.
 Cotton-picker. C. B. Shinn and F. L. Denton. No. 891,191; June 16; Sp. p. 4032; Dr. p. 883; Gaz. vol. 134; p. 1766.
 Cotton-picker. W. F. Spear and E. W. Tavel. No. 891,962; June 30; Sp. p. 5675; Dr. p. 1222; Gaz. vol. 134; p. 2087.
 Cotton-picker. J. T. McDonald. No. 899,835; Sept. 29; Sp. p. 5150; Dr. pp. 1102-3; Gaz. vol. 136; p. 966.
 Cotton-picker. G. W. and J. H. Jackson. No. 901,619; Oct. 20; Sp. p. 3245; Dr. pp. 665-6; Gaz. vol. 136; p. 1642.
 Cotton-picker machine. A. St. Onge. No. 897,320; Sept. 1; Sp. p. 126; Dr. p. 27; Gaz. vol. 136; p. 20.
 Cotton-picker's knee-pad. H. Roberts. No. 893,547; July 14; Sp. p. 2367; Dr. p. 495; Gaz. vol. 135; p. 412.
 Cotton-picker's sled. T. A. Windsor. No. 886,451; May 5; Sp. p. 215; Dr. p. 46; Gaz. vol. 134; p. 41.
 Cotton-picking finger. T. J. Gray. No. 902,227; Oct. 27; Sp. p. 4508; Dr. p. 913; Gaz. vol. 136; p. 1868.
 Cotton-picking machine. H. E. Bullock. No. 877,754; Jan. 28; Sp. p. 4223; Dr. p. 916; Gaz. vol. 132; p. 775.
 Cotton-picking machine. R. C. Scherling. No. 891,444; June 23; Sp. p. 4579; Dr. p. 995; Gaz. vol. 134; p. 1882.
 Cotton-picking machine. J. and W. L. Hervey. No. 907,691; Dec. 22; Sp. p. 5093; Gaz. vol. 137; p. 1912.
 Cotton-picking machine, Portable. W. H. Niemeyer. No. 887,958; May 19; Sp. p. 3296; Dr. pp. 692-3; Gaz. vol. 134; p. 593.
 Cotton, Plant for handling baled. J. R. Fordyce. No. 897,972; Sept. 8; Sp. p. 1523; Dr. pp. 323-4; Gaz. vol. 136; p. 269.
 Cotton, Plant for storing and compressing. J. R. Fordyce. No. 897,971; Sept. 8; Sp. p. 1520; Dr. pp. 322-3; Gaz. vol. 136; p. 269.
 Cotton-plant-thinning machine. O. R. Beusse and M. P. Jackson. No. 880,003; Feb. 25; Sp. p. 4368; Dr. pp. 915-16; Gaz. vol. 132; p. 1645.
 Cotton-press. R. E. Haynes. No. 879,639; Feb. 18; Sp. p. 3600; Dr. pp. 753-4; Gaz. vol. 132; p. 1492.
 Cotton-press, Steam-tramping. L. Roberts. No. 879,413; Feb. 18; Sp. p. 3125; Dr. p. 650; Gaz. vol. 132; p. 1419.
 Cotton-scraper. C. R. Bowen, Jr. No. 877,899; Feb. 4; Sp. p. 4; Dr. p. 1; Gaz. vol. 132; p. 849.
 Cotton scraper and cultivator, Combined. G. W. Randolph. No. 904,447; Nov. 17; Sp. p. 3915; Gaz. vol. 137; p. 694.
 Cotton-seed hulls, Treating. P. G. Grant. No. 907,340; Dec. 22; Sp. p. 4319; Gaz. vol. 137; p. 1795.
 Cotton-separator. W. E. Rickey. No. 886,249; Apr. 28; Sp. p. 5278; Dr. p. 1112; Gaz. vol. 133; p. 2121.
 Cotton separator and cleaner. R. H. Purnell. No. 896,065; Aug. 11; Sp. p. 2573; Dr. p. 559; Gaz. vol. 135; p. 1341.
 Cotton-squares, Machine for gathering. K. S. Bunting. No. 889,757; June 2; Sp. p. 1113; Dr. p. 258; Gaz. vol. 134; p. 1237.
 Cotton thinning and weeding machine. W. H. Hance. No. 906,223; Dec. 8; Sp. p. 2183; Gaz. vol. 137; p. 1373.
 Cotton-topper. O. Schwarz. No. 897,935; Sept. 8; Sp. p. 1438; Dr. pp. 307-8; Gaz. vol. 136; p. 257.
 Cotton-warper. J. M. Payne and G. G. Wallace. No. 904,719; Nov. 24; Sp. p. 4491; Gaz. vol. 137; p. 812.
 Couch. S. E. Condon. No. 892,405; July 7; Sp. p. 29; Dr. p. 8; Gaz. vol. 135; p. 8.
 Couch. H. C. Henderson. No. 904,327; Nov. 17; Sp. p. 3692; Gaz. vol. 137; p. 656.
 Couch and bed. F. J. and L. A. Crouch. No. 907,468; Dec. 22; Sp. p. 4591; Gaz. vol. 137; p. 1839.
 Couch attachment. J. A. Perry. No. 899,431; Sept. 22; Sp. p. 4302; Dr. p. 923; Gaz. vol. 136; p. 797.
 Couch, Box-. A. H. Greenlund. No. 907,342; Dec. 22; Sp. p. 4322; Gaz. vol. 137; p. 1796.
 Couch, Combination-. J. Stander. No. 902,617; Nov. 3; Sp. p. 173; Gaz. vol. 137; p. 29.
 Couch, cot, and davenport, Combined. J. L. Tandy. No. 904,373; Nov. 17; Sp. p. 3764; Gaz. vol. 137; p. 670.
 Couch, Drop-side. H. B. Arnold. No. 896,506; Aug. 18; Sp. p. 3450; Dr. pp. 741-2; Gaz. vol. 135; p. 1507.
 Couch, Knockdown folding. W. J. Grotenhuis. No. 893,842; July 21; Sp. p. 3064; Dr. p. 625; Gaz. vol. 136; p. 540.
 Couch-rol. J. Symons. No. 902,774; Nov. 3; Sp. p. 466; Gaz. vol. 137; p. 81.
 Counter. T. H. Mayo. No. 886,008; Apr. 28; Sp. p. 4828; Dr. p. 1014; Gaz. vol. 133; p. 2043.
 Counter. R. W. and C. B. Vardeman. No. 888,944; May 26; Sp. p. 5299; Dr. p. 1124; Gaz. vol. 134; p. 946.
 Counter. F. C. Howe. No. 891,173; June 16; Sp. p. 3997; Dr. p. 877; Gaz. vol. 134; p. 1759.
 Counter, Automatic. J. Munro and A. Gerard. No. 879,189; Feb. 18; Sp. p. 2669; Dr. pp. 557-8; Gaz. vol. 132; p. 1346.
 Counter, Bar-. J. R. West. No. 898,536; Sept. 15; Sp. p. 2616; Dr. p. 558; Gaz. vol. 136; p. 481.
 Counter-irritants, Device for applying. E. M. Jefferson. No. 884,160; Apr. 7; Sp. p. 1043; Dr. p. 217; Gaz. vol. 133; p. 1352.
 Counter-protecting device for stores, &c. J. B. Monette. No. 878,147; Feb. 4; Sp. p. 498; Dr. p. 106; Gaz. vol. 132; p. 931.
 Counting and canceling apparatus. A. Picken. No. 897,485; Sept. 1; Sp. p. 494; Dr. p. 105; Gaz. vol. 136; p. 79.
 Counting-board. T. S. Ford. No. 888,425; May 19; Sp. p. 4195; Dr. pp. 889-90; Gaz. vol. 134; p. 744.
 Counting-machine. J. M. Ward. No. 895,703; Aug. 11; Sp. p. 1850; Dr. p. 393; Gaz. vol. 135; p. 1225.
 Counting-machine. F. B. Redington. No. 900,954; Oct. 13; Sp. p. 1889; Dr. p. 385; Gaz. vol. 136; p. 1389.
 Counting-register. H. C. Bowler. No. 888,781; May 26; Sp. p. 4940; Dr. p. 1053; Gaz. vol. 134; p. 892.
 Coupling: See Air-brake coupling; Air-pipe automatic coupling; Air self-coupling; Air, steam, and signal coupling; Angle-coupling; Automatic coupling; Belt-coupling; Car-coupling; Car pipe-coupling; Central-buffer claw-coupling; Claw-coupling; Cock-coupling; Compression-coupling; Conduit-coupling; Conveyor-shaft coupling; Double-pawl coupling; Draft-coupling; Drill-rope coupling; Electrical-conductor coupling; Engine and tender coupling; Flexible coupling; Friction-coupling; Gas-tube, &c., coupling; Harness-coupling; Hose-coupling; Hose and pipe coupling; Hose-pipe coupling; Insulating coupling; Insulating-coupling; Pipe-coupling; Pipe or hose coupling; Power-coupling; Pump-coupling; Ratchet-coupling; Rein-coupling; Rod-coupling; Scraper-coupling; Shaft-coupling; Thill-coupling; Train-service coupling; Universal coupling; Vehicle-coupling; Wagon-coupling; Whiffletree-coupling.
 Coupling. U. Haskins. No. 876,052; Jan. 7; Sp. p. 703; Dr. p. 151; Gaz. vol. 132; p. 122.
 Coupling. D. McDonald. No. 876,484; Jan. 14; Sp. p. 1607; Dr. p. 346; Gaz. vol. 132; p. 295.
 Coupling. A. Johnson. No. 882,390; Mar. 17; Sp. p. 3786; Dr. p. 808; Gaz. vol. 133; p. 683.
 Coupling. O. N. Brandt. No. 886,180; Apr. 28; Sp. p. 5157; Dr. p. 1085; Gaz. vol. 133; p. 2098.
 Coupling. M. F. Richardson. No. 887,270; May 12; Sp. p. 1884; Dr. p. 398; Gaz. vol. 134; p. 333.
 Coupling. M. Forder. No. 891,532; June 23; Sp. p. 4760; Dr. p. 1031; Gaz. vol. 134; p. 1912.
 Coupling. T. B. McMillan. No. 891,718; June 23; Sp. p. 5152; Dr. p. 1113; Gaz. vol. 134; p. 1973.
 Coupling. E. P. Kinne. No. 899,413; Sept. 22; Sp. p. 4270; Dr. p. 916; Gaz. vol. 136; p. 792.
 Coupling. T. Andrews. No. 900,974; Oct. 13; Sp. p. 1926; Dr. p. 392; Gaz. vol. 136; p. 1396.
 Coupling. E. G. Gaylor. No. 906,217; Dec. 8; Sp. p. 2170; Gaz. vol. 137; p. 1371.
 Coupling attachment. R. C. Hilton. No. 906,135; Dec. 8; Sp. p. 2004; Gaz. vol. 137; p. 1342.
 Coupling-centering and draft-rigging device. W. R. Matthews. No. 907,072; Dec. 15; Sp. p. 3755; Gaz. vol. 137; p. 1669.
 Coupling-gage. G. E. Draftbird. No. 892,563; July 7; Sp. p. 322; Dr. p. 71; Gaz. vol. 135; p. 61.
 Coupling-head. J. M. Malloy. No. 886,007; Apr. 28; Sp. p. 4826; Dr. p. 1014; Gaz. vol. 133; p. 2043.
 Coupling-head, Steam. B. F. Hudson. No. 878,001; Feb. 4; Sp. p. 209; Dr. p. 46; Gaz. vol. 132; p. 884.
 Coupling-hook. W. Wetzel. No. 907,927; Dec. 29; Sp. p. 5563; Gaz. vol. 137; p. 2018.

Alphabetical list of inventions—Continued.

- Coupling mechanism. W. D. Leftwich. No. 900,558; Oct. 6; Sp. p. 1047; Dr. p. 215; Gaz. vol. 136; p. 1233.
- Coupling-release rigging. W. R. Matthews. No. 907,838; Dec. 29; Sp. p. 5369; Gaz. vol. 137; p. 1990.
- Couplings, Uncoupling mechanism for central-buffer claw-. L. Sr., and L. Scheib, Jr. No. 901,560; Oct. 20; Sp. p. 3135; Dr. p. 640; Gaz. vol. 136; p. 1623.
- Coupon-cutting shears. J. Steel. No. 893,669; July 21; Sp. p. 2629; Dr. p. 550; Gaz. vol. 135; p. 482.
- Coupon-holder. C. M. Maxon. No. 901,019; Oct. 13; Sp. p. 2013; Dr. p. 408; Gaz. vol. 136; p. 1411.
- Course and log recorder. T. M. Foote. No. 886,788; May 5; Sp. p. 930; Dr. pp. 194-6; Gaz. vol. 134; p. 153.
- Course-marker. E. H. Barney. No. 889,293; June 2; Sp. p. 201; Dr. p. 50; Gaz. vol. 134; p. 1090.
- Cover. D. F. Forwood. No. 881,851; Mar. 10; Sp. p. 2694; Dr. p. 576; Gaz. vol. 133; p. 479.
- Cover. F. Essmuller. No. 893,469; July 14; Sp. p. 2190; Dr. p. 460; Gaz. vol. 135; p. 386.
- Cover. F. G. Lauster, Sr. No. 904,972; Nov. 24; Sp. p. 5027; Gaz. vol. 137; p. 897.
- Cover and strainer, Combination. G. and H. D. Klein. No. 887,098; May 12; Sp. p. 1524; Dr. p. 322; Gaz. vol. 134; p. 279.
- Cover-fastening means. G. P. Smith. No. 894,913; Aug. 4; Sp. p. 249; Dr. p. 54; Gaz. vol. 135; p. 938.
- Cover-opening device. T. P. Scully. No. 893,200; July 14; Sp. p. 1648; Dr. p. 348; Gaz. vol. 135; p. 297.
- Covered frame. E. Weil. No. 895,522; Aug. 11; Sp. p. 1498; Dr. p. 316; Gaz. vol. 135; p. 1166.
- Covering. J. P. and J. F. J. Costigan. No. 880,363; Feb. 25; Sp. p. 5082; Dr. p. 1073; Gaz. vol. 132; p. 1763.
- Covering articles with materials, Apparatus for. C. F. Church. No. 883,450; Mar. 31; Sp. p. 5940; Dr. p. 1267; Gaz. vol. 133; p. 1095.
- Covering, Portable. L. H. Troutman. No. 905,768; Dec. 1; Sp. p. 1298; Gaz. vol. 137; p. 1195.
- Cow-milker. J. Ripczinske. No. 904,564; Nov. 24; Sp. p. 4179; Gaz. vol. 137; p. 761.
- Cow-tail holder. L. G. Webb. No. 889,836; June 2; Sp. p. 1254; Dr. p. 289; Gaz. vol. 134; p. 1263.
- Cow-tail holder. E. S. Easterday. No. 893,983; July 21; Sp. p. 3368; Dr. p. 689; Gaz. vol. 135; p. 588.
- Cowl. O. Schubert. No. 891,957; June 30; Sp. p. 5664; Dr. p. 1220; Gaz. vol. 134; p. 2085.
- Cover or windlass. R. E. Noble and L. E. Mitchell. No. 907,635; Dec. 22; Sp. p. 4946; Gaz. vol. 137; p. 1892.
- Cracker-box. G. C. Macdonald. No. 898,241; Sept. 8; Sp. p. 2053; Dr. p. 436; Gaz. vol. 136; p. 354.
- Crackers, Making. F. A. Johnson. No. 882,006; Mar. 17; Sp. p. 3062; Gaz. vol. 133; p. 559.
- Cradle. W. W. Temples. No. 889,065; May 26; Sp. p. 5506; Dr. pp. 1170-1; Gaz. vol. 134; p. 984.
- Cradle or rocker attachment. H. A. Jensen. No. 900,548; Oct. 6; Sp. p. 1025; Dr. pp. 208-9; Gaz. vol. 136; p. 1230.
- Cranberry-picker. D. E. Raymond. No. 901,373; Oct. 20; Sp. p. 2706; Dr. p. 555; Gaz. vol. 136; p. 1560.
- Cranberry-pruner. F. Young. No. 881,039; Mar. 3; Sp. p. 1092; Dr. p. 237; Gaz. vol. 133; p. 187.
- Crane-boom. A. E. Brown. No. 899,005; Sept. 15; Sp. p. 3480; Dr. pp. 745-6; Gaz. vol. 136; p. 633.
- Crane, Charging-. C. L. Taylor. No. 899,083; Sept. 22; Sp. p. 3629; Dr. p. 777; Gaz. vol. 136; p. 685.
- Crane, Forging-. C. J. Miller. No. 880,253; Mar. 10; Sp. p. 1521; Dr. p. 327; Gaz. vol. 133; p. 287.
- Crane-hook attachment. E. O. Davis and G. Handley. No. 892,940; July 7; Sp. p. 1112; Dr. p. 233; Gaz. vol. 135; p. 185.
- Crane mechanism. H. W. Metcalfe. No. 882,011; Mar. 17; Sp. p. 3075; Dr. pp. 653-4; Gaz. vol. 133; p. 561.
- Crane mechanism. D. Kendall. No. 883,175; May 19; Sp. p. 3703; Dr. pp. 772-3; Gaz. vol. 134; p. 661.
- Crane mechanism. R. L. Frink. No. 907,141; Dec. 22; Sp. p. 3913; Gaz. vol. 137; p. 127.
- Crane, Portable jib-. H. H. Maxfield and C. C. Gardner, Jr. No. 896,406; Aug. 18; Sp. p. 3240; Dr. pp. 694-5; Gaz. vol. 135; p. 1472.
- Crane, Traveling. A. W. Bright. No. 899,712; Sept. 29; Sp. p. 4881; Dr. pp. 1047-8; Gaz. vol. 136; p. 924.
- Crane, Traveling. L. H. Miller and G. A. Newcomb. No. 903,601; Nov. 10; Sp. p. 2141; Gaz. vol. 137; p. 380.
- Crane, Water-. N. E. and A. W. Otto. No. 903,105; Nov. 3; Sp. p. 1141; Gaz. vol. 137; p. 186.
- Cranes, Automatic safety device for. N. S. Haseltine. No. 889,126; May 26; Sp. p. 5653; Dr. p. 1197; Gaz. vol. 134; p. 1004.
- Cranes, Guiding means for load-supporting ropes in. A. W. Elsing. No. 897,966; Sept. 8; Sp. p. 1514; Dr. p. 321; Gaz. vol. 136; p. 267.
- Cranes, Safety device for electric. M. R. Sulist. No. 876,503; Jan. 14; Sp. p. 1655; Dr. p. 359; Gaz. vol. 132; p. 302.
- Crank, Adjustable. E. C. Drecoll. No. 904,764; Nov. 24; Sp. p. 4597; Gaz. vol. 137; p. 827.
- Crank mechanism. T. Baden. No. 891,586; June 23; Sp. p. 1872; Dr. pp. 1049-50; Gaz. vol. 134; p. 1927.
- Crank-pin-turning machine. M. H. Westbrook. No. 884,966; Apr. 14; Sp. p. 2653; Dr. p. 564; Gaz. vol. 133; p. 1642.
- Crank-press. N. Sperber. No. 905,601; Dec. 1; Sp. p. 984; Gaz. vol. 137; p. 1140.
- Crank stitching-machine. J. Schroeder. No. 894,401; July 28; Sp. p. 4244; Dr. p. 875; Gaz. vol. 135; p. 744.
- Crate. H. Rietmann. No. 880,042; Feb. 25; Sp. p. 4462; Dr. p. 937; Gaz. vol. 132; p. 1658.
- Crate. A. M. Keneipp. No. 882,392; Mar. 17; Sp. p. 3789; Dr. p. 809; Gaz. vol. 133; p. 683.
- Crate. E. N. Davis. No. 883,002; Mar. 24; Sp. p. 4995; Dr. p. 1062; Gaz. vol. 133; p. 917.
- Crate. E. Lehmann. No. 884,508; Apr. 14; Sp. p. 1699; Dr. p. 365; Gaz. vol. 133; p. 1493.
- Crate. J. L. Boisvert. No. 887,060; May 12; Sp. p. 1440; Dr. p. 306; Gaz. vol. 134; p. 266.
- Crate. J. Hettrich. No. 889,849; June 2; Sp. p. 1279; Dr. p. 294; Gaz. vol. 134; p. 1267.
- Crate. F. L. Mary. No. 890,525; June 9; Sp. p. 2662; Dr. pp. 587-8; Gaz. vol. 134; p. 1515.
- Crate. G. L. Walburn. No. 882,020; June 30; Sp. p. 5766; Dr. p. 1240; Gaz. vol. 134; p. 2103.
- Crate. E. E. Flora. No. 893,576; July 14; Sp. p. 2437; Dr. p. 507; Gaz. vol. 135; p. 421.
- Crate. F. C. H. Haug and J. F. Schoeppl. No. 899,010; Sept. 15; Sp. p. 3490; Dr. pp. 747-8; Gaz. vol. 136; p. 634.
- Crate. C. S. Young. No. 900,637; Oct. 6; Sp. p. 1212; Dr. p. 249; Gaz. vol. 136; p. 1259.
- Crate. S. D. Heller. No. 907,233; Dec. 22; Sp. p. 4117; Gaz. vol. 137; p. 1758.
- Crate, Banana-. T. H. Ruddiman. No. 876,592; Jan. 14; Sp. p. 1856; Dr. p. 406; Gaz. vol. 132; p. 334.
- Crate, Banana-. G. Becker. No. 882,046; Mar. 17; Sp. p. 3148; Dr. p. 669; Gaz. vol. 133; p. 572.
- Crate, Banana-. M. Lombardo. No. 890,668; June 16; Sp. p. 2988; Dr. p. 656; Gaz. vol. 134; p. 1596.
- Crate, box, or binder, Shipping. E. Norton. No. 902,899; Nov. 3; Sp. p. 752; Gaz. vol. 137; p. 124.
- Crate, Collapsible. I. V. Holloway. No. 896,542; Aug. 18; Sp. p. 3521; Dr. p. 756; Gaz. vol. 135; p. 1517.
- Crate, Collapsible. H. C. Hunter. No. 902,408; Oct. 27; Sp. p. 4881; Dr. p. 988; Gaz. vol. 136; p. 1928.
- Crate, Collapsible shipping-. W. E. Thoroman. No. 897,325; Sept. 1; Sp. p. 139; Dr. p. 29; Gaz. vol. 136; p. 22.
- Crate-cover fastening device, Shipping-. J. M. Wentz. No. 896,495; Aug. 18; Sp. p. 3419; Dr. p. 736; Gaz. vol. 135; p. 1502.
- Crate, Egg-. J. Weis. No. 894,924; Aug. 4; Sp. p. 283; Dr. pp. 59-60; Gaz. vol. 135; p. 942.
- Crate, Egg-. D. M. Rowe. No. 898,007; Sept. 8; Sp. p. 1581; Dr. p. 337; Gaz. vol. 136; p. 281.
- Crate-filler, Egg-. J. H. Carter. No. 882,049; Mar. 17; Sp. p. 3151; Dr. p. 670; Gaz. vol. 133; p. 572.
- Crate-filler machine, Egg-. L. J. Smith. No. 888,543; May 26; Sp. p. 4424; Dr. pp. 938-40; Gaz. vol. 134; p. 812.
- Crate, Folding. A. W. Coats. No. 875,780; Jan. 7; Sp. p. 201; Dr. p. 43; Gaz. vol. 132; p. 37.
- Crate, Folding. C. W. E. L., and M. D. Cronbaugh. No. 879,855; Feb. 25; Sp. p. 4067; Dr. p. 852; Gaz. vol. 132; p. 1596.
- Crate, Folding. B. Barker. No. 883,509; Mar. 31; Sp. p. 6048; Dr. p. 1291; Gaz. vol. 133; p. 1114.
- Crate, Folding. W. H. Goddard. No. 891,927; June 30; Sp. p. 5585; Dr. p. 1204; Gaz. vol. 134; p. 2075.
- Crate, Folding. E. Roadifer. No. 893,752; July 21; Sp. p. 2874; Dr. pp. 590-1; Gaz. vol. 135; p. 510.
- Crate, Folding. M. Hutchinson. No. 896,299; Aug. 18; Sp. p. 3024; Dr. p. 651; Gaz. vol. 135; p. 1438.
- Crate, Folding. W. H. Wolf. No. 905,779; Dec. 1; Sp. p. 1315; Gaz. vol. 137; p. 1199.
- Crate, Folding combination poultry and merchandise. A. W. Lovejoy. No. 892,168; June 30; Sp. p. 6052; Dr. p. 1301; Gaz. vol. 134; p. 1058.
- Crate, Folding egg-. T. W. Kendall. No. 897,108; Aug. 25; Sp. p. 4706; Dr. p. 1003; Gaz. vol. 135; p. 1726.
- Crate, Fruit-. G. B. Katzenstein. No. 876,061; Jan. 7; Sp. p. 724; Dr. p. 155; Gaz. vol. 132; p. 125.
- Crate, Laundry-. J. Eastman. No. 886,685; May 5; Sp. p. 691; Dr. p. 143; Gaz. vol. 134; p. 118.
- Crate or box, Folding. C. E. Sommers. No. 883,251; Mar. 31; Sp. p. 5506; Dr. p. 1174; Gaz. vol. 133; p. 1029.
- Crate or box, Folding. G. H. Rudisill. No. 895,793; Aug. 11; Sp. p. 2046; Dr. p. 435; Gaz. vol. 135; p. 1253.
- Crate or box for sheet-metal plates. E. Norton. No. 902,900; Nov. 3; Sp. p. 753; Gaz. vol. 137; p. 124.
- Crate or box for sheet-metal plates. E. Norton. No. 902,901; Nov. 3; Sp. p. 755; Gaz. vol. 137; p. 124.
- Crate or box for sheet-metal plates. E. Norton. No. 902,902; Nov. 3; Sp. p. 756; Gaz. vol. 137; p. 125.
- Crate or case, Folding egg. G. E. Jackson. No. 883,406; Mar. 31; Sp. p. 5839; Dr. p. 1245; Gaz. vol. 133; p. 1079.
- Crate or coop. O. J. La Bauve. No. 908,283; Dec. 29; Sp. p. 6308; Gaz. vol. 137; p. 2137.
- Crate or coop, Poultry. T. Ball. No. 877,393; Jan. 21; Sp. p. 3499; Dr. p. 759; Gaz. vol. 132; p. 638.
- Crate, Portable pie-. C. J. Herrmann. No. 895,016; Aug. 4; Sp. p. 496; Dr. p. 100; Gaz. vol. 135; p. 974.
- Crate, Poultry-. R. Andlauer. No. 877,032; Jan. 21; Sp. p. 2779; Dr. p. 601; Gaz. vol. 132; p. 520.
- Crate, Sectional hog and poultry. C. E. Knight. No. 882,893; Mar. 24; Sp. p. 4780; Dr. p. 1017; Gaz. vol. 133; p. 879.
- Crate, Self-cleaning knockdown poultry and merchandise shipping. S. W. Bell. No. 889,191; June 2; Sp. p. 7; Dr. p. 3; Gaz. vol. 134; p. 1058.
- Crate, Shipping-. W. R. Stokely. No. 877,612; Jan. 28; Sp. p. 3968; Dr. p. 857; Gaz. vol. 132; p. 730.
- Crate, Shipping-. E. L. Reed. No. 881,200; Mar. 10; Sp. p. 1402; Dr. p. 303; Gaz. vol. 133; p. 268.
- Crate, Shipping-. S. D. Shriver and L. D. Wall. No. 908,159; Dec. 29; Sp. p. 6046; Gaz. vol. 137; p. 2095.
- Crate shipping-case, Egg-. C. H. Cronk. No. 894,260; July 28; Sp. p. 3952; Dr. p. 814; Gaz. vol. 135; p. 697.
- Crate, Ventilated fruit-. O. E. Perigo. No. 883,907; Apr. 7; Sp. p. 480; Dr. p. 94; Gaz. vol. 133; p. 1269.
- Crates, Manufacture of. W. C. Yeomans. No. 883,070; Mar. 24; Sp. p. 5117; Dr. p. 1091; Gaz. vol. 133; p. 939.

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- Crates or coops, Water-trough for poultry. G. J. Cook. No. 884,716; Apr. 14; Sp. p. 2155; Dr. p. 458; Gaz. vol. 133; p. 1563.
- Cravat-former. S. H. Smith. No. 902,923; Nov. 3; Sp. p. 788; Gaz. vol. 137; p. 130.
- Crayon-holder. M. M. Gee. No. 883,009; Mar. 24; Sp. p. 5004; Dr. p. 1064; Gaz. vol. 133; p. 919.
- Crayon-holder. H. T. Bailey. No. 900,143; Oct. 6; Sp. p. 149; Dr. p. 31; Gaz. vol. 136; p. 1097.
- Crayon-sharpener. S. Kann. No. 901,622; Oct. 20; Sp. p. 3254; Dr. p. 667; Gaz. vol. 136; p. 1643.
- Crayon-trough. S. W. Knisely. No. 902,743; Nov. 3; Sp. p. 417; Gaz. vol. 137; p. 72.
- Crayons and blowpipes, Stand, gage, and holder for. M. J. Byrd and E. M. Anderson. No. 899,202; Sept. 22; Sp. p. 3873; Dr. p. 828; Gaz. vol. 136; p. 725.
- Cream and butter separator. A. Fay. No. 877,066; Jan. 21; Sp. p. 2846; Dr. p. 614; Gaz. vol. 132; p. 531.
- Cream and other liquids, Apparatus for tempering. D. W. Payne. No. 878,997; Feb. 11; Sp. p. 2281; Dr. pp. 476-7; Gaz. vol. 132; p. 1242.
- Cream from milk, Separating. R. W. Padden. No. 907,637; Dec. 22; Sp. p. 4950; Gaz. vol. 137; p. 1893.
- Cream-separating device. J. H. Reed. No. 899,804; Sept. 29; Sp. p. 5102; Dr. p. 1091; Gaz. vol. 136; p. 957.
- Cream-separator. J. W. Fowler, C. S. Barnes, and H. G. Peters. No. 879,379; Feb. 18; Sp. p. 3041; Dr. p. 633; Gaz. vol. 132; p. 1407.
- Cream-separator. M. Decker and M. H. Matty. No. 880,866; Mar. 3; Sp. p. 784; Dr. p. 166; Gaz. vol. 133; p. 131.
- Cream-separator. E. R. Bailey. No. 886,921; May 5; Sp. p. 1170; Dr. p. 246; Gaz. vol. 134; p. 193.
- Cream-separator. O. Anderson. No. 889,350; June 2; Sp. p. 304; Dr. pp. 71-2; Gaz. vol. 134; p. 1108.
- Cream-separator. W. L. Dillman. No. 895,076; Aug. 4; Sp. p. 597; Dr. p. 124; Gaz. vol. 135; p. 993.
- Cream-separator. E. W. Broomall. No. 904,600; Nov. 24; Sp. p. 4241; Gaz. vol. 137; p. 772.
- Cream-separator, Centrifugal. O. Anderson. No. 877,158; Jan. 21; Sp. p. 3038; Dr. pp. 657-8; Gaz. vol. 132; p. 561.
- Cream-separator, Centrifugal. W. Witt and F. W. C. Hartmann. No. 879,994; Feb. 25; Sp. p. 4349; Dr. p. 912; Gaz. vol. 132; p. 1642.
- Cream-separator, Centrifugal. P. T. Sundberg. No. 892,913; July 7; Sp. p. 1062; Dr. p. 222; Gaz. vol. 135; p. 175.
- Cream-separator, Centrifugal. C. H. Hackett and T. W. Morgan. No. 907,143; Dec. 22; Sp. p. 3920; Gaz. vol. 137; p. 1728.
- Cream-separator, Centrifugal. C. H. Hackett and T. W. Morgan. No. 907,144; Dec. 22; Sp. p. 3921; Gaz. vol. 137; p. 1728.
- Cream-separator disks, Holder for use in cleaning. O. H. Neseth. No. 880,564; Mar. 3; Sp. p. 139; Dr. p. 31; Gaz. vol. 133; p. 28.
- Cream-separator liner, Centrifugal. D. R. Green. No. 895,010; Aug. 4; Sp. p. 482; Dr. p. 97; Gaz. vol. 135; p. 972.
- Cream-separators, Adjustable cream-exit for centrifugal. C. H. Hackett and T. W. Morgan. No. 902,963; Nov. 3; Sp. p. 863; Gaz. vol. 137; p. 144.
- Cream-separators, Cream-exit for centrifugal. C. H. Hackett and T. W. Morgan. No. 890,050; June 9; Sp. p. 1723; Dr. p. 381; Gaz. vol. 134; p. 1362.
- Cream-separators, Driving mechanism for centrifugal. T. W. Morgan. No. 888,634; May 26; Sp. p. 4631; Dr. p. 983; Gaz. vol. 134; p. 845.
- Cream-separators, Liner for centrifugal. W. W. Marsh and T. W. Morgan. No. 886,384; May 5; Sp. p. 85; Dr. p. 17; Gaz. vol. 134; p. 19.
- Cream-separators, Liner for centrifugal. T. W. Morgan. No. 886,393; May 5; Sp. p. 102; Dr. p. 20; Gaz. vol. 134; p. 22.
- Cream-separators, Liner for centrifugal. W. W. Marsh. No. 907,157; Dec. 22; Sp. p. 3939; Gaz. vol. 137; p. 1732.
- Crematory. F. P. Smith. No. 894,912; Aug. 4; Sp. p. 247; Dr. p. 53-4; Gaz. vol. 135; p. 938.
- Creasing, scoring, marking, and cutting machine. J. P. Clark. No. 887,721; May 12; Sp. p. 2797; Dr. pp. 591-2; Gaz. vol. 134; p. 485.
- Crib. F. W. T. Kreisel. No. 901,917; Oct. 20; Sp. p. 3851; Dr. p. 786; Gaz. vol. 136; p. 1739.
- Crib. M. Segal. No. 907,295; Dec. 22; Sp. p. 4244; Gaz. vol. 137; p. 1781.
- Crib, Corn-. Z. E. Williamson. No. 903,934; Nov. 17; Sp. p. 2857; Gaz. vol. 137; p. 521.
- Crib-hook. J. C. F. Schafer. No. 895,797; Aug. 11; Sp. p. 2053; Dr. p. 436; Gaz. vol. 135; p. 1255.
- Crocker-handle, Detachable. H. F. Fowles. No. 904,417; Nov. 17; Sp. p. 3851; Gaz. vol. 137; p. 685.
- Cross-arm support. J. M. Humiston. No. 900,545; Oct. 6; Sp. p. 1019; Dr. p. 207; Gaz. vol. 136; p. 1229.
- Cross-arm support. W. E. Callane. No. 900,663; Oct. 6; Sp. p. 1269; Dr. p. 259; Gaz. vol. 136; p. 1268.
- Cross-heads, Lubrication of. J. Johnson. No. 876,717; Jan. 14; Sp. p. 2117; Dr. p. 464; Gaz. vol. 132; p. 375.
- Cross-tie. J. F. and C. F. Grandy. No. 877,328; Jan. 21; Sp. p. 3384; Dr. p. 733; Gaz. vol. 132; p. 617.
- Cross-tie. L. A. Della. No. 897,067; Aug. 25; Sp. p. 4637; Dr. p. 987; Gaz. vol. 135; p. 1714.
- Cross-tie. W. A. Lockwood and L. Hamm. No. 906,144; Dec. 8; Sp. p. 2022; Gaz. vol. 137; p. 1346.
- Cross-tie and rail-fastener, Metallic. G. Williams. No. 892,789; July 7; Sp. p. 781; Dr. p. 165; Gaz. vol. 135; p. 134.
- Cross-tie, Combination wood and metal. L. P. Buck. No. 907,125; Dec. 22; Sp. p. 3884; Gaz. vol. 137; p. 1721.
- Cross-tie, Metallic. G. S. and R. P. Bickley. No. 891,031; June 16; Sp. p. 3746; Dr. pp. 817-18; Gaz. vol. 134; p. 1716.
- Cross-tie, Railway. F. N. and H. A. Drane. No. 904,944; Nov. 24; Sp. p. 4977; Gaz. vol. 137; p. 888.
- Crossing-gate. J. J. Gard. No. 876,166; Jan. 7; Sp. p. 936; Dr. p. 201; Gaz. vol. 132; p. 159.
- Crossing-gate, Automatic electric. F. G. Layher. No. 884,825; Apr. 14; Sp. p. 2373; Dr. pp. 499-500; Gaz. vol. 133; p. 1599.
- Crossing. Movable-point. W. B. Cooke. No. 884,717; Apr. 14; Sp. p. 2156; Dr. p. 458; Gaz. vol. 133; p. 1563.
- Crossing. Movable-point. W. M. Henderson. No. 898,644; Sept. 15; Sp. p. 2837; Dr. pp. 605-6; Gaz. vol. 136; p. 517.
- Crossing. Movable-point. W. M. Henderson. No. 898,645; Sept. 15; Sp. p. 2838; Dr. p. 606; Gaz. vol. 136; p. 517.
- Crossing. Movable-point. W. M. Henderson. No. 903,974; Nov. 17; Sp. p. 2924; Gaz. vol. 137; p. 534.
- Crossing-protector for high-tension lines. J. F. Dostal. No. 891,049; June 16; Sp. p. 3785; Dr. p. 826; Gaz. vol. 134; p. 1722.
- Crossing signal for electric roads, Highway-. E. McClintock. No. 879,886; Feb. 25; Sp. p. 4124; Dr. p. 865; Gaz. vol. 132; p. 1605.
- Crown and bridge work. C. M. B. Boos. No. 884,977; Apr. 14; Sp. p. 2672; Dr. p. 568; Gaz. vol. 133; p. 1645.
- Crucible compounds, Manufacturing. C. Caspar. No. 886,111; Apr. 28; Sp. p. 5032; Gaz. vol. 133; p. 2076.
- Crucible-furnace. E. H. Schwartz. No. 892,012; June 30; Sp. p. 5756; Dr. pp. 1237-8; Gaz. vol. 134; p. 2101.
- Crucible-furnace. E. Rankin. No. 894,393; July 28; Sp. p. 4224; Dr. p. 871; Gaz. vol. 135; p. 742.
- Crucibles and hot water, Device for heating. E. C. Metz. No. 877,513; Jan. 28; Sp. p. 3752; Dr. p. 813; Gaz. vol. 132; p. 698.
- Crucibles, &c., Treating. W. R. Mitchell. No. 894,845; Aug. 4; Sp. p. 85; Gaz. vol. 135; p. 915.
- Crucifix-holder. J. L. Paul. No. 896,238; Aug. 18; Sp. p. 2887; Dr. p. 623; Gaz. vol. 135; p. 1419.
- Cruet. T. M. Mulkerins. No. 885,947; Apr. 28; Sp. p. 4704; Dr. p. 990; Gaz. vol. 133; p. 2024.
- Crupper. L. S. Ellis. No. 899,661; Sept. 29; Sp. p. 4783; Dr. p. 1024; Gaz. vol. 136; p. 909.
- Crusher. See *Cold-crusher*; *Gyratory crusher*; *Hammer-crusher*; *Ice-crusher*; *Ore-crusher*; *Rock and ore crusher*.
- Crusher. M. G. Bunnell. No. 879,242; Feb. 18; Sp. p. 2764; Dr. p. 579; Gaz. vol. 132; p. 1363.
- Crusher and pulverizer. M. F. Williams. No. 877,876; Jan. 28; Sp. p. 4442; Dr. p. 968; Gaz. vol. 132; p. 814.
- Crusher and pulverizer. M. F. Williams. No. 878,921; Feb. 11; Sp. p. 2140; Dr. p. 447; Gaz. vol. 132; p. 1219.
- Crusher and pulverizer. M. F. Williams. No. 904,907; Nov. 24; Sp. p. 4901; Gaz. vol. 137; p. 875.
- Crusher and pulverizer. M. F. Williams. No. 904,909; Nov. 24; Sp. p. 4903; Gaz. vol. 137; p. 876.
- Crusher and pulverizer hammer or beater. M. F. Williams. No. 904,908; Nov. 24; Sp. p. 4902; Gaz. vol. 137; p. 875.
- Crusher and pulverizer, Rock. W. H. Fulcher. No. 906,790; Dec. 15; Sp. p. 3232; Gaz. vol. 137; p. 1580.
- Crusher plate, head, and the like. F. M. Canda. No. 883,619; Mar. 31; Sp. p. 6259; Dr. p. 1335; Gaz. vol. 133; p. 1146.
- Crushing cloths of earth, &c., Implement for. D. Meinen. No. 879,291; Feb. 18; Sp. p. 2876; Dr. p. 600; Gaz. vol. 132; p. 1380.
- Crushing-mill. F. A. Huntington. No. 879,175; Feb. 18; Sp. p. 2647; Dr. p. 552; Gaz. vol. 132; p. 1342.
- Crushing-mill. W. M. Mueller. No. 899,176; Sept. 22; Sp. p. 3828; Dr. p. 819; Gaz. vol. 136; p. 717.
- Crushing-mill. T. L. and T. J. Sturtevant. No. 906,829; Dec. 15; Sp. p. 3303; Gaz. vol. 137; p. 1592.
- Crushing-mill feeding mechanism. F. B. Pettengill. No. 879,581; Feb. 18; Sp. p. 3479; Dr. p. 729; Gaz. vol. 132; p. 1474.
- Crushing-rolls, Leveling device for. W. H. L. Fielding. No. 898,349; Sept. 8; Sp. p. 2233; Dr. p. 476; Gaz. vol. 136; p. 387.
- Crustacea-trap. R. M. Franklin. No. 880,727; Mar. 3; Sp. p. 474; Dr. p. 100; Gaz. vol. 133; p. 83.
- Crutch. G. B. McConnell. No. 889,541; June 2; Sp. p. 700; Dr. p. 161; Gaz. vol. 134; p. 1169.
- Crutch. H. A. Hood. No. 904,481; Nov. 17; Sp. p. 3983; Gaz. vol. 137; p. 706.
- Crutch, Adjustable. A. S. Hargrove. No. 885,339; Apr. 21; Sp. p. 3452; Dr. p. 719; Gaz. vol. 133; p. 1798.
- Crutch-tip. C. P. Rogers, Jr. No. 877,231; Jan. 21; Sp. p. 3195; Dr. p. 693; Gaz. vol. 132; p. 587.
- Crutch, Wheeled. J. W. Adair. No. 906,845; Dec. 15; Sp. p. 3338; Gaz. vol. 137; p. 1597.
- Crystalline substances from liquor and drying the same, Recovering. C. Ordway. No. 905,568; Dec. 1; Sp. p. 921; Gaz. vol. 137; p. 1130.
- Cue-chalking device. F. R. Maguire. No. 898,905; Sept. 15; Sp. p. 3304; Dr. p. 708; Gaz. vol. 136; p. 601.
- Cuff. D. H. Anderson. No. 886,671; May 5; Sp. p. 661; Dr. p. 137; Gaz. vol. 134; p. 113.
- Cuff. R. J. Kerrigan. No. 906,721; Dec. 15; Sp. p. 3101; Gaz. vol. 137; p. 1558.
- Cuff and wristband fastener. R. Onffroy, Jr. No. 896,659; Aug. 18; Sp. p. 3723; Dr. p. 802; Gaz. vol. 135; p. 1553.
- Cuff attachment for shirts and the like, Hingeable. A. E. G. Bennett and W. R. Findlay. No. 885,971; Apr. 28; Sp. p. 4756; Dr. p. 999; Gaz. vol. 133; p. 2032.
- Cuff-fastener. G. M. Gluchowski. No. 890,977; June 16; Sp. p. 3653; Dr. p. 797; Gaz. vol. 134; p. 1698.
- Cuff for coats, Detachable. L. Shulman. No. 888,757; May 26; Sp. p. 4876; Dr. p. 1039; Gaz. vol. 134; p. 884.
- Cuff-holder. J. H. Humphrey. No. 877,429; Jan. 21; Sp. p. 3571; Dr. p. 772; Gaz. vol. 132; p. 650.
- Cuff-holder. S. S. Fox. No. 883,634; Mar. 31; Sp. p. 6287; Dr. p. 1341; Gaz. vol. 133; p. 1150.
- Cuff-holder. C. E. Dodd. No. 890,559; June 9; Sp. p. 2732; Dr. p. 604; Gaz. vol. 134; p. 1527.
- Cuff-holder. S. C. Durham. No. 893,466; July 14; Sp. p. 2186; Dr. p. 459; Gaz. vol. 135; p. 886.
- Cuff-holder. E. Michaelson. No. 905,903; Dec. 8; Sp. p. 1570; Gaz. vol. 137; p. 1270.
- Cuff-holder. W. Beinhoff. No. 906,767; Dec. 15; Sp. p. 3198; Gaz. vol. 137; p. 1573.

Alphabetical list of inventions—Continued.

- Cuff-pin. J. A. Chaplin. No. 897,348; Sept. 1; Sp. p. 202; Dr. p. 43; Gaz. vol. 136; p. 31.
 Cuff-pin. A. Robertson. No. 897,407; Sept. 1; Sp. p. 349; Dr. p. 73; Gaz. vol. 136; p. 53.
 Cuff-pin and other analogous article of jewelry. J. S. Brant. No. 879,359; Feb. 18; Sp. p. 2996; Dr. p. 626; Gaz. vol. 132; p. 1401.
 Cuff-protector. H. A. Frank. No. 879,955; Feb. 25; Sp. p. 4281; Dr. p. 895; Gaz. vol. 132; p. 1629.
 Cuff-protector. M. P. Vucassovich. No. 886,903; May 5; Sp. p. 1138; Dr. p. 239; Gaz. vol. 134; p. 186.
 Cuff-protector. J. M. Overshiner. No. 890,088; June 9; Sp. p. 1784; Dr. p. 395; Gaz. vol. 134; p. 1374.
 Cuff, Reversible. A. D. Ray. No. 902,909; Nov. 3; Sp. p. 765; Gaz. vol. 137; p. 126.
 Cuffs, &c., Machine for folding blanks for. G. J. Dormandy. No. 904,516; Nov. 24; Sp. p. 4080; Gaz. vol. 137; p. 744.
 Culinary apparatus. W. S. Hadaway, Jr. No. 890,855; June 16; Sp. p. 3377; Dr. p. 740; Gaz. vol. 134; p. 1658.
 Culinary apparatus. W. S. Hadaway, Jr. No. 890,857; June 16; Sp. p. 3381; Dr. p. 741; Gaz. vol. 134; p. 1658.
 Culinary boiler or steamer. A. B. Rice. No. 878,020; Feb. 4; Sp. p. 265; Dr. p. 57; Gaz. vol. 132; p. 891.
 Culinary device. W. H. Terry. No. 884,688; Apr. 14; Sp. p. 2097; Dr. p. 448; Gaz. vol. 133; p. 1553.
 Culinary supply-card. W. D. Henderson. No. 888,708; May 26; Sp. p. 4788; Dr. p. 1020; Gaz. vol. 134; p. 869.
 Culinary utensil. P. Wirthlin. No. 881,988; Mar. 17; Sp. p. 3012; Dr. p. 643; Gaz. vol. 133; p. 553.
 Culinary utensil. L. G. Quackenboss and B. J. Farrell. No. 900,952; Oct. 13; Sp. p. 1884; Dr. p. 384; Gaz. vol. 136; p. 1388.
 Culinary utensil. H. F. Hall. No. 902,577; Nov. 3; Sp. p. 88; Gaz. vol. 137; p. 15.
 Culinary vessel. G. W. and J. A. Terhorst. No. 878,908; Feb. 11; Sp. p. 2120; Dr. p. 442; Gaz. vol. 132; p. 1215.
 Culinary vessel. J. Stuber. No. 898,284; Sept. 8; Sp. p. 2123; Dr. p. 451; Gaz. vol. 136; p. 367.
 Culinary-vessel heat-economizing and flame-protecting casing. W. Little. No. 877,349; Jan. 21; Sp. p. 3412; Dr. p. 740; Gaz. vol. 132; p. 623.
 Culinary vessels, Adjustable support for. J. J. Keen. No. 894,660; July 28; Sp. p. 4749; Dr. p. 986; Gaz. vol. 135; p. 828.
 Culm, Sectional. J. S. Wilson. No. 878,441; Feb. 4; Sp. p. 1090; Dr. p. 222; Gaz. vol. 132; p. 1028.
 Cultivating and root harvesting machines, Guide for row. G. F. Conner. No. 876,623; Jan. 14; Sp. p. 1934; Dr. p. 422; Gaz. vol. 132; p. 345.
 Cultivating implement. F. H. Weaver. No. 900,004; Sept. 29; Sp. p. 5520; Dr. pp. 1176-7; Gaz. vol. 136; p. 1021.
 Cultivating-machine. C. Soltész. No. 899,917; Sept. 29; Sp. p. 5316; Dr. pp. 1136-7; Gaz. vol. 136; p. 992.
 Cultivating-machine, Motor-driven. K. Kőszegi. No. 880,457; Feb. 25; Sp. p. 5299; Dr. p. 1115; Gaz. vol. 132; p. 1796.
 Cultivating-scraper. A. F. Davis. No. 903,684; Nov. 10; Sp. p. 2311; Gaz. vol. 137; p. 405.
 Cultivator. S. E. Bailor. No. 876,513; Jan. 14; Sp. p. 1680; Dr. pp. 366-7; Gaz. vol. 132; p. 306.
 Cultivator. C. W. Gibbs. No. 878,375; Feb. 4; Sp. p. 971; Dr. p. 195; Gaz. vol. 132; p. 1007.
 Cultivator. S. H. Young. No. 879,429; Feb. 18; Sp. p. 3159; Dr. p. 657; Gaz. vol. 132; p. 1424.
 Cultivator. V. M. and C. P. Powers. No. 881,151; Mar. 10; Sp. p. 1317; Dr. p. 284; Gaz. vol. 133; p. 254.
 Cultivator. C. R. Dean. No. 881,778; Mar. 10; Sp. p. 2543; Dr. p. 547; Gaz. vol. 133; p. 454.
 Cultivator. W. L. Paul. No. 882,957; Mar. 24; Sp. p. 4916; Dr. pp. 1042-3; Gaz. vol. 133; p. 904.
 Cultivator. J. A. Smethers and W. Elliott. No. 885,093; Apr. 21; Sp. p. 2906; Dr. pp. 616-17; Gaz. vol. 133; p. 1715.
 Cultivator. J. F. Dewberry. No. 885,983; Apr. 28; Sp. p. 4777; Dr. pp. 1003-4; Gaz. vol. 133; p. 2035.
 Cultivator. W. A. Deal. No. 886,190; Apr. 28; Sp. p. 5179; Dr. p. 1091; Gaz. vol. 133; p. 2101.
 Cultivator. C. S. Sharp. No. 886,422; May 5; Sp. p. 165; Dr. p. 34; Gaz. vol. 134; p. 32.
 Cultivator. A. G. Schünzel. No. 890,378; June 9; Sp. p. 2395; Dr. p. 528; Gaz. vol. 134; p. 1469.
 Cultivator. M. R. Cole. No. 890,843; June 16; Sp. p. 3353; Dr. p. 735; Gaz. vol. 134; p. 1654.
 Cultivator. W. J. Watson. No. 892,340; June 30; Sp. p. 6378; Dr. p. 1375; Gaz. vol. 134; p. 2209.
 Cultivator. J. J. McLean. No. 893,091; July 14; Sp. p. 1416; Dr. pp. 299-300; Gaz. vol. 135; p. 263.
 Cultivator. A. C. Lodwig. No. 893,335; July 14; Sp. p. 1901; Dr. pp. 397-8; Gaz. vol. 135; p. 342.
 Cultivator. W. L. Paul. No. 893,361; July 14; Sp. p. 1954; Dr. p. 410; Gaz. vol. 135; p. 351.
 Cultivator. L. E. Waterman. No. 894,787; July 28; Sp. p. 4985; Dr. p. 1040; Gaz. vol. 135; p. 869.
 Cultivator. G. W. Spragins. No. 895,120; Aug. 4; Sp. p. 695; Dr. p. 145; Gaz. vol. 135; p. 1009.
 Cultivator. C. F. Vermillion. No. 895,214; Aug. 4; Sp. p. 883; Dr. p. 185; Gaz. vol. 135; p. 1041.
 Cultivator. W. A. Dromgold. No. 895,351; Aug. 4; Sp. p. 1153; Dr. p. 241; Gaz. vol. 135; p. 1086.
 Cultivator. J. D. Lancaster. No. 895,871; Aug. 11; Sp. p. 2195; Dr. p. 467; Gaz. vol. 135; p. 1278.
 Cultivator. W. E. Johnson. No. 896,450; Aug. 18; Sp. p. 3321; Dr. p. 715; Gaz. vol. 135; p. 1486.
 Cultivator. W. A. Hancock. No. 897,094; Aug. 25; Sp. p. 4681; Dr. p. 997; Gaz. vol. 135; p. 1721.
 Cultivator. C. W. Michael. No. 897,221; Aug. 25; Sp. p. 4936; Dr. p. 1048; Gaz. vol. 135; p. 1762.
 Cultivator. R. H. Heinze. No. 897,365; Sept. 1; Sp. p. 253; Dr. p. 52; Gaz. vol. 136; p. 38.
 Cultivator. W. W. Stauffer. No. 899,270; Sept. 22; Sp. p. 4031; Dr. p. 861; Gaz. vol. 136; p. 747.
 Cultivator. E. Baumgartner. No. 901,938; Oct. 20; Sp. p. 3903; Dr. p. 796; Gaz. vol. 136; p. 1747.
 Cultivator. J. W. Osborne. No. 902,107; Oct. 27; Sp. p. 4267; Dr. p. 865; Gaz. vol. 136; p. 1830.
 Cultivator. J. N. Starling. No. 902,618; Nov. 3; Sp. p. 174; Gaz. vol. 137; p. 29.
 Cultivator. A. J. Compton. No. 903,676; Nov. 10; Sp. p. 2287; Gaz. vol. 137; p. 403.
 Cultivator. G. A. Plank. No. 903,882; Nov. 17; Sp. p. 2727; Gaz. vol. 137; p. 503.
 Cultivator. J. Beard. No. 905,277; Dec. 1; Sp. p. 301; Gaz. vol. 137; p. 1035.
 Cultivator. A. L. and R. L. Baker. No. 906,482; Dec. 8; Sp. p. 2649; Gaz. vol. 137; p. 1457.
 Cultivator. W. T. Norton. No. 907,864; Dec. 29; Sp. p. 5427; Gaz. vol. 137; p. 1998.
 Cultivator. S. L. Allen. No. 907,945; Dec. 29; Sp. p. 5592; Gaz. vol. 137; p. 2023.
 Cultivator. E. Biss. No. 908,333; Dec. 29; Sp. p. 6539; Gaz. vol. 137; p. 2173.
 Cultivator, Adjustable hand disk. J. W. Watson. No. 901,221; Oct. 13; Sp. p. 2369; Dr. p. 484; Gaz. vol. 136; p. 1473.
 Cultivator and fertilizer-distributor, Combined. G. E. Alphin. No. 890,485; June 9; Sp. p. 2586; Dr. pp. 572-3; Gaz. vol. 134; p. 1502.
 Cultivator and fertilizer-distributor, Combined. G. E. Alphin. No. 908,060; Dec. 29; Sp. p. 5837; Gaz. vol. 137; p. 2062.
 Cultivator and harrow, Revolving. H. P. Bruuas. No. 894,939; Aug. 4; Sp. p. 329; Dr. p. 66; Gaz. vol. 135; p. 947.
 Cultivator and planter, Combined. H. H. and D. H. Enns and J. J. Wiebe. No. 883,006; Mar. 24; Sp. p. 5000; Dr. pp. 1063-4; Gaz. vol. 133; p. 913.
 Cultivator attachment. M. L. McClure. No. 884,676; Apr. 14; Sp. p. 2077; Dr. p. 443; Gaz. vol. 133; p. 1549.
 Cultivator attachment. H. A. Davis. No. 885,228; Apr. 21; Sp. p. 3222; Dr. p. 672; Gaz. vol. 133; p. 1760.
 Cultivator attachment. W. M. and J. F. Estes and J. H. Smith. No. 887,078; May 12; Sp. p. 1480; Dr. p. 314; Gaz. vol. 134; p. 272.
 Cultivator attachment. J. W. Warner. No. 894,552; July 28; Sp. p. 4544; Dr. p. 941-2; Gaz. vol. 135; p. 793.
 Cultivator attachment. J. E. Wright. No. 895,134; Aug. 4; Sp. p. 715; Dr. pp. 149-50; Gaz. vol. 135; p. 1013.
 Cultivator attachment. E. J. Brooks. No. 897,057; Aug. 25; Sp. p. 4623; Dr. p. 984; Gaz. vol. 135; p. 1711.
 Cultivator attachment. H. N. Patrick. No. 907,278; Dec. 22; Sp. p. 4210; Gaz. vol. 137; p. 1774.
 Cultivator attachment, Cotton-. A. H. Connell. No. 882,667; Mar. 24; Sp. p. 4329; Dr. p. 921; Gaz. vol. 133; p. 808.
 Cultivator attachment for thinning cotton. J. W. Espich. No. 883,304; Mar. 31; Sp. p. 5615; Dr. p. 1197; Gaz. vol. 133; p. 1046.
 Cultivator-bail. L. E. Waterman. No. 894,788; July 28; Sp. p. 4986; Dr. p. 1040; Gaz. vol. 135; p. 869.
 Cultivator, Beet-. I. Schuckman. No. 901,387; Oct. 20; Sp. p. 2759; Dr. p. 562; Gaz. vol. 136; p. 1567.
 Cultivator cross-head. J. E. Johnson. No. 906,140; Dec. 8; Sp. p. 2014; Gaz. vol. 137; p. 1344.
 Cultivator, Disk. F. J. Lewis. No. 897,213; Aug. 25; Sp. p. 4894; Dr. pp. 1042-3; Gaz. vol. 135; p. 1759.
 Cultivator, disk attachment. W. A. Biesenhal. No. 905,786; Dec. 1; Sp. p. 1326; Gaz. vol. 137; p. 1201.
 Cultivator, Drag-bar. R. W. E. Hayes. No. 881,858; Mar. 10; Sp. p. 2722; Dr. p. 583; Gaz. vol. 133; p. 482.
 Cultivator-fender. A. B. Nichols. No. 888,348; May 19; Sp. p. 4030; Dr. p. 850; Gaz. vol. 134; p. 717.
 Cultivator-fender. A. Benton and C. D. Jordan. No. 895,716; Aug. 11; Sp. p. 1877; Dr. p. 398; Gaz. vol. 135; p. 1229.
 Cultivator-fender. C. Williams. No. 898,809; Sept. 15; Sp. p. 3133; Dr. p. 671; Gaz. vol. 136; p. 569.
 Cultivator-fender. E. G. Munson. No. 899,753; Sept. 29; Sp. p. 4977; Dr. p. 1067; Gaz. vol. 136; p. 940.
 Cultivator for destroying cotton-boll weevils. W. E. Hinds. No. 891,224; June 16; Sp. p. 4115; Dr. p. 902; Gaz. vol. 134; p. 1777.
 Cultivator-frames, Means for attaching implements to. W. E. Walden. No. 883,435; Mar. 31; Sp. p. 5007; Dr. p. 1261; Gaz. vol. 133; p. 1090.
 Cultivator guiding attachment. R. E. Berry. No. 900,698; Oct. 13; Sp. p. 1347; Dr. p. 275; Gaz. vol. 136; p. 1307.
 Cultivator, Harrow-. H. C. Farris. No. 896,816; Aug. 25; Sp. p. 4074; Dr. pp. 876-7; Gaz. vol. 135; p. 1629.
 Cultivator, harrow, and rake, Combined. A. Benton and C. D. Jordan. No. 902,367; Oct. 27; Sp. p. 4814; Dr. p. 972; Gaz. vol. 136; p. 1916.
 Cultivator harrow attachment. G. Trompeter. No. 902,123; Oct. 27; Sp. p. 4292; Dr. p. 870; Gaz. vol. 136; p. 1835.
 Cultivator, Hoing-. J. W. Davis. No. 887,596; May 12; Sp. p. 2568; Dr. pp. 541-2; Gaz. vol. 134; p. 442.
 Cultivator, Lister-. C. H. Melvin. No. 879,187; Feb. 18; Sp. p. 2663; Dr. pp. 555-7; Gaz. vol. 132; p. 1345.
 Cultivator, Lister-. W. A. Kennedy. No. 885,258; Apr. 21; Sp. p. 3276; Dr. p. 684; Gaz. vol. 133; p. 1770.
 Cultivator, Lister-. E. M. Swanson. No. 892,465; July 7; Sp. p. 147; Dr. p. 32; Gaz. vol. 135; p. 29.
 Cultivator, Lister-. H. W. Shulson. No. 898,162; Sept. 8; Sp. p. 1894; Dr. p. 405; Gaz. vol. 136; p. 1770.
 Cultivator or harrow, Rotary. B. F. Stewart. No. 899,632; Sept. 29; Sp. p. 4741; Dr. p. 1015; Gaz. vol. 136; p. 901.
 Cultivator or plow Hand. C. D. Himebaugh. No. 896,058; Aug. 11; Sp. p. 2555; Dr. pp. 554-5; Gaz. vol. 135; p. 1339.

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- Cultivator, Pivoted-axle. W. L. Paul. No. 885,077; Apr. 21; Sp. p. 2873; Dr. p. 609; Gaz. vol. 133; p. 1710.
 Cultivator, Pivoted-axle. W. L. Paul. No. 885,079; Apr. 21; Sp. p. 2878; Dr. p. 610; Gaz. vol. 133; p. 1710.
 Cultivator, Power-. C. Edwards. No. 877,988; Feb. 4; Sp. p. 180; Dr. pp. 40-1; Gaz. vol. 132; p. 879.
 Cultivator replanting attachment. E. Palmer. No. 894,226; July 28; Sp. p. 3866; Dr. p. 800; Gaz. vol. 135; p. 686.
 Cultivator replanting attachment. G. S. Tuggle. No. 901,566; Oct. 20; Sp. p. 3144; Dr. p. 642; Gaz. vol. 136; p. 1625.
 Cultivator replanting attachment. M. D. Moore. No. 906,446; Dec. 8; Sp. p. 2587; Gaz. vol. 137; p. 1445.
 Cultivator, Riding beet-. W. S. Graham. No. 885,469; Apr. 21; Sp. p. 3692; Dr. pp. 774-5; Gaz. vol. 133; p. 1839.
 Cultivator, Rotary. L. Prue. No. 905,577; Dec. 1; Sp. p. 941; Gaz. vol. 137; p. 1133.
 Cultivator shovel attachment, Disk-. J. L. Boyer. No. 895,417; Aug. 11; Sp. p. 1291; Dr. p. 270; Gaz. vol. 135; p. 1131.
 Cultivator-shovel fastening. R. L. Morris. No. 888,635; May 26; Sp. p. 4633; Dr. p. 983; Gaz. vol. 134; p. 846.
 Cultivator-shovel spring mechanism. A. C. Walter. No. 894,247; July 28; Sp. p. 3912; Dr. p. 809; Gaz. vol. 135; p. 693.
 Cultivator, Spring-. J. Hagedorn. No. 906,414; Dec. 8; Sp. p. 2519; Gaz. vol. 137; p. 1434.
 Cultivator spring-trip. L. D. Putney. No. 895,587; Aug. 11; Sp. p. 1627; Dr. p. 343; Gaz. vol. 135; p. 1186.
 Cultivator stalk-cutter attachment. H. Hestand and J. W. Willis. No. 877,192; Jan. 21; Sp. p. 3112; Dr. p. 673; Gaz. vol. 132; p. 573.
 Cultivator trip mechanism. C. J. Kalkhurst. No. 903,867; Nov. 17; Sp. p. 2699; Gaz. vol. 137; p. 497.
 Cultivator, Walking hand-. J. E. Hosmer. No. 893,627; July 21; Sp. p. 2540; Dr. p. 530; Gaz. vol. 135; p. 468.
 Cultivator weeder attachment. F. M. Everingham. No. 881,566; Mar. 10; Sp. p. 2129; Dr. p. 464; Gaz. vol. 133; p. 388.
 Cultivator, Wheeled. W. S. Graham. No. 895,257; Aug. 4; Sp. p. 975; Dr. pp. 203-5; Gaz. vol. 135; p. 1055.
 Cultivators and similar agricultural implements, Blade for. S. L. Allen. No. 898,419; Sept. 15; Sp. p. 2381; Dr. p. 509; Gaz. vol. 136; p. 445.
 Cultivators, Chopper attachment for. C. A. Snider. No. 892,906; July 7; Sp. p. 1042; Dr. p. 219; Gaz. vol. 135; p. 172.
 Cultivators, Hand-lever for riding. W. E. Johnson. No. 903,139; Nov. 3; Sp. p. 1203; Gaz. vol. 137; p. 197.
 Cultivators, Replanting attachment for. E. H. Suhl. No. 882,355; Mar. 17; Sp. p. 3734; Dr. p. 794; Gaz. vol. 133; p. 672.
 Culvert. D. C. Boyd. No. 881,770; Mar. 10; Sp. p. 2531; Dr. p. 545; Gaz. vol. 133; p. 452.
 Culvert. M. J. Stoffer. No. 887,284; May 12; Sp. p. 1915; Dr. p. 406; Gaz. vol. 134; p. 339.
 Culvert. J. S. Bayer. No. 890,256; June 9; Sp. p. 2136; Dr. p. 468; Gaz. vol. 134; p. 1430.
 Culvert. D. C. Boyd. No. 896,354; Aug. 18; Sp. p. 3125; Dr. p. 672; Gaz. vol. 135; p. 1455.
 Culvert. D. C. Boyd. No. 898,088; Sept. 8; Sp. p. 1749; Dr. p. 372; Gaz. vol. 136; p. 307.
 Culvert. J. H. Schlaefly. No. 900,039; Sept. 29; Sp. p. 5601; Dr. p. 1195; Gaz. vol. 136; p. 1033.
 Culvert. C. E. Glasspoole. No. 901,702; Oct. 20; Sp. p. 3461; Dr. p. 701; Gaz. vol. 136; p. 1672.
 Culvert. C. E. Glasspoole. No. 901,703; Oct. 20; Sp. p. 3462; Dr. pp. 701-2; Gaz. vol. 136; p. 1672.
 Culvert. J. F. White. No. 904,586; Nov. 24; Sp. p. 4218; Gaz. vol. 137; p. 768.
 Culvert. J. H. Schlaefly. No. 904,651; Nov. 24; Sp. p. 4350; Gaz. vol. 137; p. 790.
 Culvert and connection. J. H. Schlaefly. No. 897,416; Sept. 1; Sp. p. 366; Dr. p. 77; Gaz. vol. 136; p. 57.
 Culvert, Corrugated-metal. J. H. Schlaefly. No. 882,081; Mar. 17; Sp. p. 3213; Dr. p. 682; Gaz. vol. 133; p. 584.
 Culvert, Corrugated-metal. C. D. Voris. No. 901,569; Oct. 20; Sp. p. 3147; Dr. p. 643; Gaz. vol. 136; p. 1626.
 Culvert, Expansion-. J. Croy. No. 894,120; July 21; Sp. p. 3628; Dr. p. 747; Gaz. vol. 135; p. 632.
 Culvert, Knockdown. F. S. and F. H. Beach. No. 889,745; June 2; Sp. p. 1089; Dr. p. 252; Gaz. vol. 134; p. 1234.
 Culvert-mold. E. T. Morris. No. 879,662; Feb. 18; Sp. p. 3647; Dr. p. 763; Gaz. vol. 132; p. 1500.
 Culvert, Reinforced-cement. C. D. Voris. No. 902,027; Oct. 27; Sp. p. 4113; Dr. p. 832; Gaz. vol. 136; p. 1806.
 Culvert, Road-. J. Carey. No. 884,072; Apr. 7; Sp. p. 812; Dr. p. 172; Gaz. vol. 133; p. 1323.
 Culvert-sections, Connection for. J. H. Schlaefly. No. 898,510; Sept. 15; Sp. p. 2564; Dr. p. 549; Gaz. vol. 136; p. 473.
 Cup; See Caterer's cup; Collapsible cup; Grease-cup; Loving-cup; Lubricating-cup; Oil-cup; Paste-cup; Seed-cup; Seed-drill feed-cup; Seed-tester cup; Shaving-cup; Teat-cup; Turpentine-cup.
 Cup and saucer. D. A. Stewart. No. 899,811; Sept. 29; Sp. p. 5113; Dr. p. 1093; Gaz. vol. 136; p. 959.
 Cup-handle. A. N. Cooper. No. 894,725; July 28; Sp. p. 4866; Dr. p. 1012; Gaz. vol. 135; p. 849.
 Cup-handle. C. Thessen. No. 904,237; Nov. 17; Sp. p. 3494; Gaz. vol. 137; p. 625.
 Cup plug, Lubricator-. A. McDonald. No. 904,554; Nov. 24; Sp. p. 4156; Gaz. vol. 137; p. 757.
 Cupboard, Folding camp-. I. B. Dodson. No. 900,495; Oct. 6; Sp. p. 918; Dr. p. 187; Gaz. vol. 136; p. 1212.
 Cupola. N. Etting. No. 882,000; Mar. 17; Sp. p. 3051; Dr. p. 649; Gaz. vol. 133; p. 558.
 Cuprammonia solution, Preparing. G. L. and A. Schaefer. No. 884,298; Apr. 7; Sp. p. 1271; Dr. p. 268; Gaz. vol. 133; p. 1395.
 Curb, drain and conduit. R. T. Hooper. No. 889,524; June 2; Sp. p. 671; Dr. p. 155; Gaz. vol. 134; p. 1164.
 Curb-agitator, Automatic. R. W. Hogue. No. 894,649; July 28; Sp. p. 4730; Dr. p. 982; Gaz. vol. 135; p. 825.
 Curb-mill. J. Brouwers. No. 878,114; Feb. 4; Sp. p. 445; Dr. p. 94; Gaz. vol. 132; p. 921.
 Curb press and cooler. J. Brouwers. No. 893,435; July 14; Sp. p. 2115; Dr. p. 444; Gaz. vol. 135; p. 376.
 Cure of rheumatism and other diseases, Appliance for the. D. R. Dewey. No. 900,493; Oct. 6; Sp. p. 915; Dr. p. 186; Gaz. vol. 136; p. 1211.
 Curette, Uterine. F. T. M. Moormeister. No. 879,297; Feb. 18; Sp. p. 2887; Dr. p. 602; Gaz. vol. 132; p. 1382.
 Curling-iron, Electric. C. A. Rickards. No. 884,296; Apr. 7; Sp. p. 1269; Dr. p. 268; Gaz. vol. 133; p. 1395.
 Curling-iron, Electrical. T. M. Caven. No. 887,769; May 19; Sp. p. 2914; Dr. p. 615; Gaz. vol. 134; p. 530.
 Curling-iron, Electrically-heated. H. Hertzberg and M. J. Wohl. No. 900,732; Oct. 13; Sp. p. 1415; Dr. p. 287; Gaz. vol. 136; p. 1317.
 Curling-iron heater, Electric. W. Meredith. No. 900,292; Oct. 6; Sp. p. 475; Dr. p. 98; Gaz. vol. 136; p. 1147.
 Curling or crimping tongs. V. Wex. No. 888,861; May 26; Sp. p. 5113; Dr. p. 1089-90; Gaz. vol. 134; p. 917.
 Curling-tongs. A. Altstaeden. No. 891,759; June 23; Sp. p. 3226; Dr. p. 1132; Gaz. vol. 134; p. 1987.
 Current, Apparatus for converting direct current into alternating. F. F. Strong. No. 885,394; Apr. 21; Sp. p. 3566; Dr. p. 747; Gaz. vol. 133; p. 1816.
 Current clutch, Alternating-. A. G. Davis. No. 905,797; Dec. 1; Sp. p. 1349; Gaz. vol. 137; p. 1205.
 Current-collecting means. C. Macmillan. No. 901,976; Oct. 27; Sp. p. 3988; Dr. p. 813; Gaz. vol. 136; p. 1790.
 Current-collector, Sliding. A. H. Armstrong. No. 888,382; May 19; Sp. p. 4092; Dr. p. 864; Gaz. vol. 134; p. 728.
 Current contact apparatus, Automatic alternating-. C. E. L. Brown. No. 884,066; Apr. 7; Sp. p. 798; Dr. p. 168; Gaz. vol. 133; p. 1321.
 Current-deflector. A. F. Kellner. No. 877,201; Jan. 21; Sp. p. 3132; Dr. p. 679; Gaz. vol. 132; p. 576.
 Current-director. J. F. McElroy. No. 893,351; July 14; Sp. p. 1932; Dr. p. 407; Gaz. vol. 135; p. 348.
 Current distribution, Two-phase alternating-. H. S. Russell and F. E. Berry. No. 905,930; Dec. 8; Sp. p. 1615; Gaz. vol. 137; p. 1279.
 Current generator, Alternating-. C. A. Lohr. No. 884,831; Apr. 14; Sp. p. 2382; Dr. p. 501; Gaz. vol. 133; p. 1601.
 Current generator, Induction-. M. Fischer. No. 894,944; Aug. 4; Sp. p. 338; Dr. p. 68; Gaz. vol. 135; p. 949.
 Current generator, Magneto alternating-. A. Herz. No. 908,097; Dec. 29; Sp. p. 5919; Gaz. vol. 137; p. 2075.
 Current machines in parallel, Means for operating alternating-. F. W. Peek, Jr. No. 905,746; Dec. 1; Sp. p. 1252; Gaz. vol. 137; p. 1187.
 Current magnet, Alternating-. T. E. Barnum. No. 905,136; Dec. 1; Sp. p. 20; Gaz. vol. 137; p. 987.
 Current meter, Alternating-. E. Morck. No. 895,100; Aug. 4; Sp. p. 646; Dr. pp. 135-6; Gaz. vol. 135; p. 1002.
 Current-motor. C. A. Neyland. No. 880,393; Feb. 25; Sp. p. 5152; Dr. pp. 1087-8; Gaz. vol. 132; p. 1773.
 Current-motor. A. H. Davis. No. 880,509; Mar. 3; Sp. p. 33; Dr. p. 8; Gaz. vol. 133; p. 9.
 Current-motor. F. J. Payne. No. 880,912; Mar. 3; Sp. p. 871; Dr. p. 187; Gaz. vol. 133; p. 146.
 Current-motor. J. Kirschweg. No. 882,694; Mar. 24; Sp. p. 4375; Dr. p. 931; Gaz. vol. 133; p. 817.
 Current-motor. R. L. Martin. No. 890,676; June 16; Sp. p. 3002; Dr. p. 659; Gaz. vol. 134; p. 1599.
 Current-motor. J. W. Myers. No. 893,350; July 14; Sp. p. 1932; Dr. pp. 405-7; Gaz. vol. 135; p. 347.
 Current-motor. J. E. Belt. No. 895,524; Aug. 11; Sp. p. 1526; Dr. p. 323; Gaz. vol. 135; p. 1171.
 Current-motor. H. C. Coder. No. 897,876; Sept. 8; Sp. p. 1294; Dr. p. 277; Gaz. vol. 136; p. 236.
 Current-motor. J. R. Jeffrey. No. 899,981; Sept. 29; Sp. p. 5483; Dr. pp. 1167-8; Gaz. vol. 136; p. 1015.
 Current-motor. A. K. Isham. No. 905,320; Dec. 1; Sp. p. 366; Gaz. vol. 137; p. 1047.
 Current-motor. E. R. McCreary. No. 905,346; Dec. 1; Sp. p. 431; Gaz. vol. 137; p. 1056.
 Current-motor. A. Nordlund. No. 908,315; Dec. 29; Sp. p. 6377; Gaz. vol. 137; p. 2149.
 Current motor, Alternating-. M. Déri. No. 890,617; June 16; Sp. p. 2881; Dr. p. 634; Gaz. vol. 134; p. 1579.
 Current motor, Alternating-. M. Milch. No. 897,475; Sept. 1; Sp. p. 479; Dr. p. 102; Gaz. vol. 136; p. 76.
 Current motor, Alternating-. E. F. W. Alexanderson. No. 897,508; Sept. 1; Sp. p. 546; Dr. p. 116; Gaz. vol. 136; p. 87.
 Current motor, Alternating-. J. H. Bryson. No. 900,478; Oct. 6; Sp. p. 868; Dr. p. 177; Gaz. vol. 136; p. 1207.
 Current motor, Alternating-. E. Danielson. No. 905,995; Dec. 8; Sp. p. 1742; Gaz. vol. 137; p. 1299.
 Current of gas or liquid, Valve for automatically and intermittently interrupting a. G. von Post. No. 906,285; Dec. 8; Sp. p. 2294; Gaz. vol. 137; p. 1394.
 Current rectifier, Alternating-. G. W. Pierce. No. 879,061; Feb. 11; Sp. p. 2389; Dr. p. 501; Gaz. vol. 132; p. 1263.
 Current rectifier, Electrolytic alternating-. A. S. Hickley. No. 900,278; Oct. 6; Sp. p. 444; Dr. p. 81; Gaz. vol. 136; p. 1141.
 Current rectifier, Electrolytic alternating-. A. S. Hickley. No. 900,279; Oct. 6; Sp. p. 445; Dr. p. 81; Gaz. vol. 136; p. 1142.

Alphabetical list of inventions—Continued.

- Current regulator, Alternating-. A. R. Everest. No. 883,007; Mar. 24; Sp. p. 5002; Dr. p. 1064; Gaz. vol. 133; p. 918.
 Current regulator, Electric-. A. W. Brice. No. 884,458; Apr. 14; Sp. p. 1593; Dr. p. 344; Gaz. vol. 133; p. 1477.
 Current regulator, Electric-. D. R. Knapp and H. E. Cade. No. 903,580; Nov. 10; Sp. p. 2096; Gaz. vol. 137; p. 374.
 Current switch, Alternating-. F. W. Smith and L. Larsen. No. 906,317; Dec. 8; Sp. p. 2359; Gaz. vol. 137; p. 1405.
 Current, System of distribution for direct. F. Darlington. No. 889,911; June 9; Sp. p. 1420; Dr. p. 322; Gaz. vol. 134; p. 1314.
 Current-transformer. P. Schubert. No. 895,801; Aug. 11; Sp. p. 2060; Dr. p. 437; Gaz. vol. 135; p. 1256.
 Current transformer, Constant-. L. Arnold. No. 895,831; Aug. 11; Sp. p. 2124; Dr. p. 450; Gaz. vol. 135; p. 1265.
 Current turbo-generator, Direct-. B. A. Behrend. No. 886,035; Apr. 28; Sp. p. 4898; Dr. p. 1030; Gaz. vol. 133; p. 2052.
 Current wattmeter, Alternating-. C. A. Brown. No. 907,567; Dec. 22; Sp. p. 4757; Gaz. vol. 137; p. 1869.
 Current wattmeter, Alternating-. C. A. Brown. No. 907,568; Dec. 22; Sp. p. 4760; Gaz. vol. 137; p. 1869.
 Currents, Generating and distributing alternating. E. B. Raymond. No. 897,013; Aug. 25; Sp. p. 4523; Dr. p. 968; Gaz. vol. 135; p. 1695.
 Currents, Means for generating and distributing alternating. E. B. Raymond. No. 897,226; Aug. 25; Sp. p. 4952; Dr. p. 1051; Gaz. vol. 135; p. 1764.
 Currycomb. R. N. Tunstall and F. Sicotte. No. 878,433; Feb. 4; Sp. p. 1079; Dr. p. 220; Gaz. vol. 132; p. 1026.
 Currycomb. E. Johnson. No. 878,731; Feb. 11; Sp. p. 1779; Dr. p. 366; Gaz. vol. 132; p. 1159.
 Currycomb. C. F. Thompson. No. 883,921; Apr. 7; Sp. p. 506; Dr. pp. 100-1; Gaz. vol. 133; p. 1273.
 Currycomb. W. G. Stone. No. 894,469; July 28; Sp. p. 4377; Dr. pp. 903-4; Gaz. vol. 133; p. 767.
 Currycomb. T. E. Desmond. No. 897,882; Sept. 8; Sp. p. 1305; Dr. pp. 279-80; Gaz. vol. 135; p. 238.
 Currycomb, Reticulated. E. C. Gage. No. 883,873; Apr. 7; Sp. p. 412; Dr. p. 81; Gaz. vol. 133; p. 1257.
 Curtain and pole holder. G. Walker. No. 882,853; Mar. 24; Sp. p. 4704; Dr. p. 1000; Gaz. vol. 133; p. 868.
 Curtain and shade fixture. A. J. Cannon. No. 877,704; Jan. 28; Sp. p. 4129; Dr. p. 894; Gaz. vol. 132; p. 759.
 Curtain and shade holder. A. Koretz. No. 902,744; Nov. 3; Sp. p. 418; Gaz. vol. 137; p. 72.
 Curtain appliance, Window-. L. H. White. No. 879,226; Feb. 18; Sp. p. 2734; Dr. p. 570; Gaz. vol. 132; p. 1358.
 Curtain, Beer-case. J. M. Jetter and F. Drews. No. 882,470; Mar. 17; Sp. p. 3923; Dr. p. 839; Gaz. vol. 133; p. 709.
 Curtain, Berth-. S. H. Brown and W. E. McPherson. No. 894,810; Aug. 4; Sp. p. 9; Dr. pp. 2-3; Gaz. vol. 135; p. 903.
 Curtain-bracket. A. W. Appleton. No. 903,150; Nov. 10; Sp. p. 1244; Gaz. vol. 137; p. 236.
 Curtain-bracket and shade-roller support. F. Adams. No. 873,448; Feb. 4; Sp. p. 1108; Dr. p. 227; Gaz. vol. 132; p. 1031.
 Curtain catch or holder. L. J. Berg. No. 883,444; Mar. 31; Sp. p. 5925; Dr. p. 1264; Gaz. vol. 133; p. 1092.
 Curtain, Drop-. M. L. Sickles. No. 876,844; Jan. 14; Sp. p. 2340; Dr. p. 513; Gaz. vol. 132; p. 414.
 Curtain drying and stretching frame. Lacey. G. F. Hullings. (Reissue). No. 12,896; Dec. 15; Sp. p. 3844; Gaz. vol. 137; p. 1684.
 Curtain-fastener. F. Marggraf. No. 892,439; July 7; Sp. p. 93; Dr. p. 21; Gaz. vol. 135; p. 20.
 Curtain-fixture. L. H. Hotaling. No. 878,965; Jan. 21; Sp. p. 2629; Dr. p. 571; Gaz. vol. 132; p. 496.
 Curtain-fixture. H. E. Keeler. No. 877,893; Jan. 28; Sp. p. 4479; Dr. p. 976; Gaz. vol. 132; p. 819.
 Curtain-fixture. G. H. Mers. No. 878,410; Feb. 4; Sp. p. 1042; Dr. p. 210; Gaz. vol. 132; p. 1019.
 Curtain-fixture. H. K. Forsyth. No. 879,533; Feb. 18; Sp. p. 3366; Dr. p. 703; Gaz. vol. 132; p. 1458.
 Curtain-fixture. M. Curran. No. 880,864; Mar. 3; Sp. p. 782; Dr. p. 166; Gaz. vol. 133; p. 131.
 Curtain-fixture. G. Ebenhoch. No. 881,672; Mar. 10; Sp. p. 2348; Dr. p. 508; Gaz. vol. 133; p. 422.
 Curtain-fixture. H. H. Schroyer. No. 882,082; Mar. 17; Sp. p. 3214; Dr. pp. 682-3; Gaz. vol. 133; p. 585.
 Curtain-fixture. T. Widziszowski. No. 882,280; Mar. 17; Sp. p. 3594; Dr. p. 762; Gaz. vol. 133; p. 647.
 Curtain-fixture. P. A. Houghtaling. No. 883,957; Apr. 7; Sp. p. 590; Dr. p. 118; Gaz. vol. 133; p. 1285.
 Curtain-fixture. C. L. Hopkins. No. 889,525; June 2; Sp. p. 672; Dr. p. 155; Gaz. vol. 134; p. 1164.
 Curtain-fixture. J. Kroder. No. 891,622; June 23; Sp. p. 4945; Dr. p. 1065; Gaz. vol. 134; p. 1940.
 Curtain-fixture. S. J. Tracy. No. 893,761; July 21; Sp. p. 2892; Dr. p. 594; Gaz. vol. 135; p. 513.
 Curtain-fixture. H. E. Keeler. No. 894,740; July 28; Sp. p. 4898; Dr. p. 1019; Gaz. vol. 135; p. 854.
 Curtain-fixture. P. A. Houghtaling. No. 896,915; Aug. 25; Sp. p. 4315; Dr. p. 924; Gaz. vol. 135; p. 1663.
 Curtain-fixture. H. M. Stevenson. No. 898,151; Sept. 8; Sp. p. 1873; Dr. p. 400; Gaz. vol. 136; p. 326.
 Curtain-fixture. C. A. Scheif. No. 898,788; Sept. 15; Sp. p. 3098; Dr. p. 663; Gaz. vol. 136; p. 563.
 Curtain-fixture. P. A. Houghtaling. No. 898,894; Sept. 15; Sp. p. 3289; Dr. p. 704; Gaz. vol. 136; p. 598.
 Curtain-fixture. F. L. Egbert. No. 902,386; Oct. 27; Sp. p. 4843; Dr. p. 979; Gaz. vol. 136; p. 1921.
 Curtain-fixture. G. Jones. No. 904,537; Nov. 24; Sp. p. 4122; Gaz. vol. 137; p. 751.
 Curtain-fixture. W. C. H. Pfeil. No. 906,063; Dec. 8; Sp. p. 1868; Gaz. vol. 137; p. 1320.
 Curtain-fixture. M. P. Comeau and A. Beaudoin. No. 906,775; Dec. 15; Sp. p. 3212; Gaz. vol. 137; p. 1576.
 Curtain-fixture. C. L. Hopkins. No. 908,384; Dec. 29; Sp. p. 6541; Gaz. vol. 137; p. 2173.
 Curtain frame, Sash-. D. M. Sarkisian. No. 904,091; Nov. 17; Sp. p. 3156; Gaz. vol. 137; p. 572.
 Curtain-hanging apparatus. T. E. Shevill. No. 876,405; Jan. 14; Sp. p. 1440; Dr. p. 310; Gaz. vol. 132; p. 268.
 Curtain, Headlight-. C. A. Pratte. No. 907,704; Dec. 22; Sp. p. 5111; Gaz. vol. 137; p. 1916.
 Curtain-holding device. C. L. Hopkins. No. 875,997; Jan. 7; Sp. p. 603; Dr. p. 129; Gaz. vol. 132; p. 105.
 Curtain-holding device, Frictional. G. H. Davis. No. 877,412; Jan. 21; Sp. p. 3544; Dr. p. 767; Gaz. vol. 132; p. 644.
 Curtain-pole. J. Williams. No. 876,672; Jan. 14; Sp. p. 2035; Dr. p. 444; Gaz. vol. 132; p. 361.
 Curtain-pole. E. Sauerburger. No. 880,244; Feb. 25; Sp. p. 4862; Dr. p. 1029; Gaz. vol. 132; p. 1725.
 Curtain-pole. J. S. Commission. No. 882,374; Mar. 17; Sp. p. 3762; Dr. p. 802; Gaz. vol. 133; p. 678.
 Curtain-pole. W. B. Snyder. No. 885,540; Apr. 21; Sp. p. 3854; Dr. pp. 805-6; Gaz. vol. 133; p. 1860.
 Curtain-pole. J. Kroder. No. 886,991; May 5; Sp. p. 1292; Dr. p. 272; Gaz. vol. 134; p. 215.
 Curtain-pole. H. J. Farby. No. 887,614; May 12; Sp. p. 2599; Dr. p. 548; Gaz. vol. 134; p. 449.
 Curtain-pole. A. Marr. No. 889,473; June 2; Sp. p. 579; Dr. p. 135; Gaz. vol. 134; p. 1149.
 Curtain-pole. W. H. Sippel. No. 891,741; June 23; Sp. p. 5191; Dr. p. 1121; Gaz. vol. 134; p. 1979.
 Curtain-pole. W. B. Little. No. 897,550; Sept. 1; Sp. p. 634; Dr. p. 131; Gaz. vol. 136; p. 99.
 Curtain-pole. H. D. Mayhorn. No. 898,248; Sept. 8; Sp. p. 2064; Dr. p. 438; Gaz. vol. 136; p. 356.
 Curtain-pole. V. Brady. No. 899,288; Sept. 22; Sp. p. 4055; Dr. p. 867; Gaz. vol. 136; p. 753.
 Curtain-pole. F. V. Donnelly. No. 900,497; Oct. 6; Sp. p. 924; Dr. p. 188; Gaz. vol. 136; p. 1213.
 Curtain-pole. L. W. Bond. No. 905,142; Dec. 1; Sp. p. 29; Gaz. vol. 137; p. 989.
 Curtain-pole. J. A. Humes. No. 908,264; Dec. 29; Sp. p. 6281; Gaz. vol. 137; p. 2131.
 Curtain-pole and shade bracket. F. McMichael. No. 895,665; Aug. 11; Sp. p. 1778; Dr. p. 377; Gaz. vol. 135; p. 1212.
 Curtain-pole and shade fixture. T. Walsh. No. 906,970; Dec. 15; Sp. p. 3573; Gaz. vol. 137; p. 1636.
 Curtain-pole and shade-holder, Combined. W. E. Doud. No. 882,054; Mar. 17; Sp. p. 3159; Dr. p. 671; Gaz. vol. 133; p. 574.
 Curtain-pole and shade-roller support, Combined. A. C. Taylor and F. W. Dawson. No. 882,180; Mar. 17; Sp. p. 3400; Dr. p. 722; Gaz. vol. 133; p. 615.
 Curtain-pole hanger. C. Wovra. No. 902,635; Nov. 3; Sp. p. 205; Gaz. vol. 137; p. 35.
 Curtain-pole-lifting device. C. Hallgren. No. 906,415; Dec. 8; Sp. p. 2524; Gaz. vol. 137; p. 1434.
 Curtain-pole ring. J. Kroder. No. 876,199; Jan. 7; Sp. p. 993; Dr. p. 215; Gaz. vol. 132; p. 169.
 Curtain-ring. M. E. La Rue. No. 885,932; Apr. 28; Sp. p. 4668; Dr. p. 984; Gaz. vol. 133; p. 2018.
 Curtain ring and fastener, Combination. H. P. Hansen and I. Erickson. No. 906,132; Dec. 8; Sp. p. 2001; Gaz. vol. 137; p. 1342.
 Curtain rod, Window-. L. Røder. No. 891,005; June 16; Sp. p. 3703; Dr. p. 807; Gaz. vol. 134; p. 1707.
 Curtain-shade bracket. J. W. Tatum. No. 876,411; Jan. 14; Sp. p. 1452; Dr. p. 312; Gaz. vol. 132; p. 269.
 Curtain-stretcher. J. Kollander. No. 877,723; Jan. 28; Sp. p. 4164; Dr. p. 902; Gaz. vol. 132; p. 765.
 Curtain-stretcher. J. Sines. No. 883,495; Mar. 31; Sp. p. 6024; Dr. p. 1286; Gaz. vol. 133; p. 1110.
 Curtain-stretcher. J. L. Bragdon. No. 884,999; Apr. 14; Sp. p. 2709; Dr. p. 574; Gaz. vol. 133; p. 1651.
 Curtain-stretcher. J. Stawartz and D. Anderson. No. 891,194; June 16; Sp. p. 4047; Dr. p. 887; Gaz. vol. 134; p. 1767.
 Curtain-stretcher. T. H. Purple. No. 897,398; Sept. 1; Sp. p. 325; Dr. p. 69; Gaz. vol. 136; p. 50.
 Curtain-stretcher. C. L. Stolp. No. 905,477; Dec. 1; Sp. p. 740; Gaz. vol. 137; p. 1102.
 Curtain-stretcher and clothes-drier. C. E. Rice. No. 879,004; Feb. 11; Sp. p. 2297; Dr. p. 479; Gaz. vol. 132; p. 1245.
 Curtain stretcher and drier, Lace-. M. Smith. No. 905,471; Dec. 1; Sp. p. 727; Gaz. vol. 137; p. 1100.
 Curtain stretcher, Lace-. P. J. De Vries. No. 905,059; Nov. 24; Sp. p. 5189; Gaz. vol. 137; p. 926.
 Curtain stretcher, Lace-. W. F. Moyers. No. 906,910; Dec. 15; Sp. p. 3468; Gaz. vol. 137; p. 1618.
 Curtain stretching and drying frame. H. Goldberger. No. 895,744; Aug. 11; Sp. p. 1940; Dr. p. 410; Gaz. vol. 135; p. 1238.
 Curtain-stretching pin. G. K. Reid. No. 894,395; July 28; Sp. p. 4232; Dr. p. 873; Gaz. vol. 135; p. 743.
 Curtain-support, Adjustable. C. H. Newson. No. 893,537; July 14; Sp. p. 2340; Dr. p. 490; Gaz. vol. 135; p. 408.
 Curtains and window-shades, Holder for lace. W. Stuck and W. F. Bosdorfer. No. 905,949; Dec. 8; Sp. p. 1646; Gaz. vol. 137; p. 1284.
 Curtains or shutters, Support for rolling. E. H. McCloud. No. 896,929; Aug. 25; Sp. p. 4339; Dr. pp. 929-30; Gaz. vol. 135; p. 1668.
 Curvature-gage. G. W. Haas. No. 889,224; June 2; Sp. p. 70; Dr. p. 16; Gaz. vol. 134; p. 1069.
 Cushion. See Boot and shoe cushion; Car-seat cushion; Footwear-cushion; Heel-cushion; Horseshoe air-cushion; Pencil-cushion; Seat-cushion; Spring-cushion; Type-bar cushion; Type-writer cushion; Vehicle-cushion.

Alphabetical list of inventions—Continued.

- Cushion. E. G. Budd. No. 884,706; Apr. 14; Sp. p. 2132; Dr. p. 454; Gaz. vol. 133; p. 1559.
 Cushion. E. G. Budd. No. 884,707; Apr. 14; Sp. p. 2136; Dr. p. 454; Gaz. vol. 133; p. 1559.
 Cushion. E. G. Budd and J. A. Wollé. No. 884,708; Apr. 14; Sp. p. 2138; Dr. p. 455; Gaz. vol. 133; p. 1560.
 Cushion. E. G. Budd. No. 884,709; Apr. 14; Sp. p. 2140; Dr. p. 455; Gaz. vol. 133; p. 1560.
 Cushion. H. S. Hale. No. 884,730; Apr. 14; Sp. p. 2180; Dr. p. 462; Gaz. vol. 133; p. 1567.
 Cushion. J. S. Bukacek. No. 889,756; June 2; Sp. p. 1112; Dr. p. 258; Gaz. vol. 134; p. 1237.
 Cushion. E. G. Budd. No. 893,050; July 14; Sp. p. 1352; Dr. p. 285; Gaz. vol. 135; p. 250.
 Cushion. E. G. Budd. No. 894,812; Aug. 4; Sp. p. 16; Dr. p. 4; Gaz. vol. 135; p. 904.
 Cushion. J. B. Kilburn and E. G. Budd. No. 897,541; Sept. 1; Sp. p. 621; Dr. p. 129; Gaz. vol. 136; p. 97.
 Cushion. A. Freschl. No. 908,085; Dec. 29; Sp. p. 5887; Gaz. vol. 137; p. 2071.
 Cushion, Pneumatic. V. H. Podstata. No. 906,923; Dec. 15; Sp. p. 3492; Gaz. vol. 137; p. 1623.
 Cushion-tire wheel. C. A. Marien. No. 879,186; Feb. 18; Sp. p. 2662; Dr. p. 555; Gaz. vol. 132; p. 1345.
 Cushioning device. F. O. Kilgore. No. 889,619; June 2; Sp. p. 841; Dr. p. 192; Gaz. vol. 134; p. 1195.
 Cuspidor. L. O'Dell, J. W. Noble, and J. F. Sandrock. No. 878,993; Feb. 11; Sp. p. 2275; Dr. p. 475; Gaz. vol. 132; p. 1242.
 Cuspidor. C. Peter. No. 879,314; Feb. 18; Sp. p. 2914; Dr. p. 607; Gaz. vol. 132; p. 1387.
 Cuspidor. A. E. Simpson. No. 884,871; Apr. 14; Sp. p. 2472; Dr. pp. 520-1; Gaz. vol. 133; p. 1614.
 Cuspidor. M. G. Melvin. No. 894,678; July 28; Sp. p. 4794; Dr. p. 995; Gaz. vol. 135; p. 836.
 Cuspidor. D. L. Harden. No. 898,577; Sept. 15; Sp. p. 2697; Dr. p. 576; Gaz. vol. 136; p. 495.
 Cuspidor. F. Nederman. No. 908,312; Dec. 29; Sp. p. 6371; Gaz. vol. 137; p. 2148.
 Cuspidor attachment. M. G. Miller. No. 890,992; June 16; Sp. p. 3682; Dr. p. 802; Gaz. vol. 134; p. 1703.
 Cuspidor-carrier. C. N. Harrington. No. 875,709; Jan. 7; Sp. p. 61; Dr. p. 12; Gaz. vol. 132; p. 13.
 Cuspidor carrier and dumper. C. Molitor. No. 887,213; May 12; Sp. p. 1715; Dr. p. 365; Gaz. vol. 134; p. 314.
 Cuspidor, drainage-bowl, or the like. A. R. Candy. No. 887,587; May 12; Sp. p. 2555; Dr. p. 539; Gaz. vol. 134; p. 440.
 Cuspidor-support. N. V. and L. Mango. No. 895,281; Aug. 4; Sp. p. 1031; Dr. p. 215; Gaz. vol. 135; p. 1064.
 Cut-off and strainer for water-pipes, Combined. J. A. Young. No. 878,850; Feb. 11; Sp. p. 2007; Dr. p. 415; Gaz. vol. 132; p. 1197.
 Cut-off, Automatic. W. P. Norris. No. 882,956; Mar. 24; Sp. p. 4915; Dr. p. 1042; Gaz. vol. 133; p. 903.
 Cut-off, Automatic. J. H. Stanton. No. 892,193; June 30; Sp. p. 6102; Dr. p. 1312; Gaz. vol. 134; p. 2161.
 Cut-off for tanks and the like. J. M. Davis. No. 889,912; June 9; Sp. p. 1422; Dr. p. 322; Gaz. vol. 134; p. 1314.
 Cut-off, Safety. R. H. Cowdrey. No. 904,497; Nov. 17; Sp. p. 4040; Gaz. vol. 137; p. 711.
 Cut-off slide. J. F. Dornfeld. No. 879,751; Feb. 18; Sp. p. 3826; Dr. p. 802; Gaz. vol. 132; p. 1529.
 Cut-off, Water. W. Z. Brown. No. 876,687; Jan. 14; Sp. p. 2069; Dr. p. 450; Gaz. vol. 132; p. 366.
 Cut-out. J. H. Booth, F. E. Blausey, and A. M. Smith. No. 884,978; Apr. 14; Sp. p. 2673; Dr. p. 568; Gaz. vol. 133; p. 1645.
 Cut-out block. F. Brunberg. No. 886,475; May 5; Sp. p. 270; Dr. p. 57; Gaz. vol. 134; p. 49.
 Cut-out box. T. Q. Andrazky. No. 901,939; Oct. 27; Sp. p. 3911; Dr. p. 798; Gaz. vol. 136; p. 1777.
 Cut-out for indicating means, Automatic. A. B. Herrick. No. 894,886; Aug. 4; Sp. p. 181; Dr. p. 39; Gaz. vol. 135; p. 929.
 Cut-out mechanism for electrically-operated machines. G. S. Conger and C. Pearce. No. 889,358; June 2; Sp. p. 325; Dr. p. 76; Gaz. vol. 134; p. 1110.
 Cut-out mechanism, Progressive. J. H. Hall. No. 900,165; Oct. 6; Sp. p. 196; Dr. pp. 40-1; Gaz. vol. 136; p. 1104.
 Cut-out, Thermal. C. A. Ernst. No. 891,414; June 23; Sp. p. 4527; Dr. p. 984; Gaz. vol. 134; p. 1873.
 Cutlery-glazing machine. J. G. Blessing. No. 890,957; June 16; Sp. p. 3611; Dr. pp. 785-6; Gaz. vol. 134; p. 1691.
 Cutlery-washing machine. W. E. Merrell. No. 878,010; Feb. 4; Sp. p. 224; Dr. p. 49; Gaz. vol. 132; p. 887.
 Cutter. See Apricot-cutter; Asparagus-cutter; Band-cutter; Bias-fold cutter; Boiler tube or flue cutter; Bolt-cutter; Bread-cutter; Brick, block, or tile cutter; Butter-cutter; Buttonhole-cutter; Cake-cutter; Candy-cutter; Cane-cutter; Capsule or bottle cutter; Chair-arm-brace cutter; Cheese-cutter; Cigar-cutter; Cigar-tip cutter; Cigar-wrapper cutter; Cloth-cutter; Corn-cutter; Dredge-cutter; Ensilage-cutter; Feed-cutter; Flue-cutter; Fodder-cutter; Fruit-cutter; Fruit and vegetable cutter; Glass-cutter; Glass-tube cutter; Ice-cutter; Lawn-edge cutter; Match-box and cigar-cutter; Meat-cutter; Milling-cutter; Noodle-cutter; Paper-cutter; Pea-cutter; Pie-cutter; Pipe-cutter; Plant-cutter; Potato-cutter; Printer's rule and lead cutter; Ring-cutter; Rivet-cutter; Rotary cutter; Sewing-machine trimming-cutter; Shrubbery-cutter; Sleet-cutter; Stalk-cutter; Thread-cutter; Ticket or receipt cutter; Tobacco-cutter; Trimming-cutter; Tube-cutter; Twine-cutter; Vegetable-cutter; Vine-cutter; Wedge-cutter; Weed-cutter; Woodworking-cutter.
 Cutter. P. B. Lang. No. 876,200; Jan. 7; Sp. p. 994; Dr. p. 216; Gaz. vol. 132; p. 169.
 Cutter and scorer. S. M. Langston. No. 908,284; Dec. 29; Sp. p. 6310; Gaz. vol. 137; p. 2137.
 Cutter-bar. E. J. Wolfrom. No. 875,878; Jan. 7; Sp. p. 374; Dr. p. 82; Gaz. vol. 132; p. 69.
 Cutter-bar. B. F. McElwee. No. 885,365; Apr. 21; Sp. p. 3506; Dr. p. 732; Gaz. vol. 133; p. 1807.
 Cutter-bar. J. W. Chesrown. No. 892,402; July 7; Sp. p. 24; Dr. pp. 7-8; Gaz. vol. 135; p. 7.
 Cutter bar and guard. C. G. Hampton. No. 888,491; May 26; Sp. p. 4337; Dr. p. 918; Gaz. vol. 134; p. 795.
 Cutter-blade holder, Inserted-. J. R. Whittemore and J. F. Morgal. No. 895,219; Aug. 4; Sp. p. 889; Dr. p. 186; Gaz. vol. 135; p. 1043.
 Cutter-head. C. Johnson. No. 894,888; Aug. 4; Sp. p. 184; Dr. p. 40; Gaz. vol. 135; p. 929.
 Cutter-head. C. Johnson. No. 894,889; Aug. 4; Sp. p. 185; Dr. p. 40; Gaz. vol. 135; p. 930.
 Cutter-head. W. W. Philbrick. No. 906,921; Dec. 15; Sp. p. 3487; Gaz. vol. 137; p. 1622.
 Cutter-head for suction-dredges. B. A. Anderson. No. 895,138; Aug. 4; Sp. p. 721; Dr. p. 151; Gaz. vol. 135; p. 1014.
 Cutter-heads, Knife-holder for. A. Thorsby. No. 879,501; Feb. 18; Sp. p. 3304; Dr. p. 691; Gaz. vol. 132; p. 1447.
 Cutter-holder. A. L. Valentine. No. 898,395; Sept. 8; Sp. p. 2319; Dr. p. 493; Gaz. vol. 136; p. 403.
 Cutters and other rotary apparatus, Protecting arrangement for. P. G. C. Lundberg. No. 901,458; Oct. 20; Sp. p. 2921; Dr. p. 596; Gaz. vol. 136; p. 1590.
 Cutting and delivering mechanism. T. W. Morrell. No. 887,339; May 12; Sp. p. 2051; Dr. p. 429; Gaz. vol. 134; p. 359.
 Cutting and facing tool. W. S. Watson. No. 876,852; Jan. 14; Sp. p. 2356; Dr. p. 516; Gaz. vol. 132; p. 417.
 Cutting and folding machine. R. C. Seymour. No. 879,418; Feb. 18; Sp. p. 3136; Dr. pp. 652-3; Gaz. vol. 132; p. 1421.
 Cutting and folding machine. R. C. Seymour. No. 908,155; Dec. 29; Sp. p. 6030; Gaz. vol. 137; p. 2093.
 Cutting and folding machine. R. C. Seymour. No. 908,156; Dec. 29; Sp. p. 6034; Gaz. vol. 137; p. 2094.
 Cutting and marking machine. E. Risting and F. Kabatchnick. No. 884,762; Apr. 14; Sp. p. 2255; Dr. pp. 474-5; Gaz. vol. 133; p. 1579.
 Cutting and pointing machine, Dowel. L. A. Walker. No. 907,201; Dec. 22; Sp. p. 4092; Gaz. vol. 137; p. 1747.
 Cutting and polishing machine, Diamond. A. Henius. No. 906,018; Dec. 8; Sp. p. 1781; Gaz. vol. 137; p. 1306.
 Cutting and punching sheet material, Machine for. D. D. Frothingham. No. 885,237; Apr. 21; Sp. p. 3239; Dr. p. 676; Gaz. vol. 133; p. 1763.
 Cutting and raveling machine, Carpet. W. P. Kirkpatrick. No. 904,964; Nov. 24; Sp. p. 5014; Gaz. vol. 137; p. 894.
 Cutting apparatus. C. Klengenber. No. 900,174; Oct. 6; Sp. p. 219; Dr. p. 45; Gaz. vol. 136; p. 1108.
 Cutting apparatus. S. Davis. No. 903,273; Nov. 10; Sp. p. 1480; Gaz. vol. 137; p. 273.
 Cutting bones and other materials, Machine for. R. H. O'Neill. No. 904,274; Nov. 17; Sp. p. 3560; Gaz. vol. 137; p. 637.
 Cutting device, Cord-. W. H. Bomm. No. 908,067; Dec. 29; Sp. p. 5852; Gaz. vol. 137; p. 2064.
 Cutting device, Hair-. E. Bocchino. No. 907,676; Dec. 22; Sp. p. 5055; Gaz. vol. 137; p. 1906.
 Cutting endless grooves or slots, Apparatus for. H. F. Packard. No. 884,036; Apr. 7; Sp. p. 745; Dr. p. 154; Gaz. vol. 133; p. 1311.
 Cutting implement. A. A. Low. No. 875,717; Jan. 7; Sp. p. 77; Dr. p. 16; Gaz. vol. 132; p. 17.
 Cutting implement. A. A. Low. No. 875,939; Jan. 7; Sp. p. 482; Dr. p. 104; Gaz. vol. 132; p. 87.
 Cutting implement. A. A. Low. No. 878,545; Feb. 11; Sp. p. 1388; Dr. p. 285; Gaz. vol. 132; p. 1097.
 Cutting implement. A. A. Low. No. 878,648; Feb. 11; Sp. p. 1628; Dr. p. 332; Gaz. vol. 132; p. 1132.
 Cutting implement. G. W. Haskins. No. 881,578; Mar. 10; Sp. p. 2159; Dr. p. 471; Gaz. vol. 133; p. 392.
 Cutting-machine. A. F. Preston. No. 897,142; Aug. 25; Sp. p. 4778; Dr. pp. 1017-18; Gaz. vol. 135; p. 1738.
 Cutting-machine. R. F. Coleman. No. 899,860; Sept. 29; Sp. p. 5222; Dr. p. 1117; Gaz. vol. 136; p. 976.
 Cutting machine, Coal-. G. Leichnam. No. 904,623; Nov. 24; Sp. p. 4287; Gaz. vol. 137; p. 781.
 Cutting machine, Meat-. F. W. Stenz. No. 908,348; Dec. 29; Sp. p. 6454; Gaz. vol. 137; p. 2161.
 Cutting machine, Wafer-. F. M. Peters. No. 908,322; Dec. 29; Sp. p. 6402; Gaz. vol. 137; p. 2152.
 Cutting-machines, Cutting and edge-compacting member for. A. F. Preston. No. 898,259; Sept. 8; Sp. p. 2078; Dr. p. 442; Gaz. vol. 136; p. 359.
 Cutting-off tool and holder. C. E. Chamberlin. No. 887,310; May 12; Sp. p. 1988; Dr. p. 417; Gaz. vol. 134; p. 349.
 Cutting, punching, and tire-shrinking machine. W. T. Sears. No. 900,213; Oct. 6; Sp. p. 295; Dr. p. 260; Gaz. vol. 136; p. 1120.
 Cutting rags, ropes, and the like, Apparatus for. J. Nuttall. No. 880,236; Feb. 25; Sp. p. 4852; Dr. p. 1026; Gaz. vol. 132; p. 1723.
 Cutting-stick. G. and R. Schwarz. No. 884,218; Apr. 7; Sp. p. 1139; Dr. pp. 239-40; Gaz. vol. 133; p. 1371.
 Cutting-tool. J. B. Waller. No. 877,813; Jan. 28; Sp. p. 4316; Dr. p. 937; Gaz. vol. 132; p. 793.
 Cutting-tool. W. C. Poole. No. 901,556; Oct. 20; Sp. p. 3127; Dr. p. 639; Gaz. vol. 136; p. 1622.
 Cyanid-tank. R. S. Browne. No. 894,254; July 28; Sp. p. 3941; Dr. p. 812; Gaz. vol. 135; p. 695.
 Cyanids, Making. H. S. Blackmore. No. 889,096; May 26; Sp. p. 5569; Dr. p. 1183; Gaz. vol. 134; p. 994.
 Cyanids, Making. H. S. Blackmore. No. 889,097; May 26; Sp. p. 5576; Dr. p. 1183; Gaz. vol. 134; p. 994.

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- Cycle attachment, Motor-. T. W. Razoux. No. 891,102; June 16; Sp. p. 3868; Dr. p. 845; Gaz. vol. 134; p. 1738.
- Cycle Diesel engine, Two-. G. F. Murphy. No. 898,768; Sept. 15; Sp. p. 3061; Dr. p. 656; Gaz. vol. 136; p. 556.
- Cycle driving-gear, Motor-. A. Levedahl. No. 899,746; Sept. 29; Sp. p. 4961; Dr. p. 1064; Gaz. vol. 136; p. 937.
- Cycle engine, Double two-. W. L. Morrow. No. 903,753; Nov. 10; Sp. p. 2434; Gaz. vol. 137; p. 426.
- Cycle epicyclic driving mechanism. A. H. Reilly. No. 895,681; Aug. 11; Sp. p. 1806; Dr. p. 385; Gaz. vol. 135; p. 1217.
- Cycle frame, Motor-. A. H. Harman. No. 906,417; Dec. 8; Sp. p. 2528; Gaz. vol. 137; p. 1435.
- Cycle handle-bars, Handie-grip for. M. C. Stokes. No. 896,889; May 5; Sp. p. 1115; Dr. p. 233; Gaz. vol. 134; p. 183.
- Cycle-lock. K. Ballod. No. 898,955; Sept. 15; Sp. p. 3389; Dr. p. 728; Gaz. vol. 136; p. 617.
- Cycle, Motor-. W. G. Schaeffer. No. 887,966; May 19; Sp. p. 3309; Dr. p. 695; Gaz. vol. 134; p. 596.
- Cycle, Motor-. C. Contal. No. 894,724; July 28; Sp. p. 4865; Dr. p. 1012; Gaz. vol. 135; p. 849.
- Cycle, Motor-. W. C. Johnson. No. 898,481; Sept. 15; Sp. p. 2504; Dr. p. 536; Gaz. vol. 136; p. 463.
- Cycle motor, Four-. A. G. Spencer. No. 889,267; June 2; Sp. p. 148; Dr. p. 36; Gaz. vol. 134; p. 1082.
- Cycle motor, Two-. G. L. Langer. No. 893,788; July 21; Sp. p. 2844; Dr. pp. 584-5; Gaz. vol. 135; p. 505.
- Cycle mud-guard, Motor-. W. Maughan. No. 902,592; Nov. 3; Sp. p. 129; Gaz. vol. 137; p. 21.
- Cycle saddle-clamp. F. Wehn. No. 906,972; Dec. 15; Sp. p. 3575; Gaz. vol. 137; p. 1637.
- Cycle saddle-support. J. F. Mamet and P. Hallot. No. 886,227; Apr. 28; Sp. p. 5241; Dr. p. 1104; Gaz. vol. 133; p. 2113.
- Cycle, Single-wheel, (monocycle.) O. Schuhmann. No. 903,789; Nov. 10; Sp. p. 2513; Gaz. vol. 137; p. 439.
- Cycle-wheel gear with means for operating the brake by back-pedaling. E. L. Hocquart. No. 892,154; June 30; Sp. p. 6028; Dr. p. 1295; Gaz. vol. 134; p. 2147.
- Cycles and bicycles, Stand and carrier for motor-. F. C. Hoffer and J. A. Saikow. No. 907,358; Dec. 22; Sp. p. 4353; Gaz. vol. 137; p. 1801.
- Cycles, Apparatus for muffling the exhaust of motor-. E. W. Keller. No. 882,068; Mar. 17; Sp. p. 5185; Dr. p. 677; Gaz. vol. 133; p. 579.
- Cycles, Means for locking the steering-heads of. H. Jansen. No. 903,476; Nov. 10; Sp. p. 1881; Gaz. vol. 137; p. 340.
- Cycles, Shock-absorbing device for. F. R. Graham-Yooll. No. 880,297; Feb. 25; Sp. p. 4970; Dr. p. 1049; Gaz. vol. 132; p. 1742.
- Cycles, Two-speed driving-gear and free-wheel mechanism for. E. Sachs. No. 882,845; Mar. 24; Sp. p. 4685; Dr. p. 997; Gaz. vol. 133; p. 866.
- Cyclometer. C. L. Lilleberg. No. 897,379; Sept. 1; Sp. p. 283; Dr. p. 58; Gaz. vol. 136; p. 43.
- Cyclometers, Mechanism for actuating. H. D. Weed and H. Casler. No. 905,612; Dec. 1; Sp. p. 1003; Gaz. vol. 137; p. 1144.
- Cylinder. B. Trebilcock. No. 905,023; Nov. 24; Sp. p. 5134; Gaz. vol. 137; p. 914.
- Cylinder and piston machines, Increasing the volumetric efficiency of. A. Vogt. No. 899,706; Sept. 29; Sp. p. 4869; Dr. pp. 1044-5; Gaz. vol. 136; p. 922.
- Cylinder, Governor-. C. R. Cude. No. 904,118; Nov. 17; Sp. p. 3208; Gaz. vol. 137; p. 583.
- Cylinder-head. H. A. Buck. No. 880,478; Feb. 25; Sp. p. 5342; Dr. pp. 1126-7; Gaz. vol. 132; p. 1804.
- Cylinder-jacket. G. B. Pickop and J. W. Mills. No. 901,369; Oct. 20; Sp. p. 2698; Dr. p. 554; Gaz. vol. 136; p. 1559.
- Cylinder-lock. C. J. Caley and H. G. Voight. No. 883,857; Apr. 7; Sp. p. 377; Dr. p. 73; Gaz. vol. 133; p. 1251.
- Cylinder-lock. H. G. Voight. No. 898,078; Sept. 8; Sp. p. 1733; Dr. p. 368; Gaz. vol. 136; p. 303.
- Cylinder-lock. C. J. Waugh and F. Harendt. No. 900,627; Oct. 6; Sp. p. 1190; Dr. p. 244; Gaz. vol. 136; p. 1255.
- Cylinder-lock, Adjustable. H. G. Voight. No. 897,685; Sept. 1; Sp. p. 897; Dr. p. 192; Gaz. vol. 136; p. 144.
- Cylinder or tube. R. J. Hoffman. No. 881,584; Mar. 10; Sp. p. 2170; Dr. p. 473; Gaz. vol. 133; p. 394.
- Cylinder-pattern. G. C. Bourdeaux. No. 892,356; June 30; Sp. p. 6496; Dr. p. 1383; Gaz. vol. 134; p. 2214.
- Cylinder type, Adjustable lock of the. H. G. Voight. No. 904,580; Nov. 24; Sp. p. 4208; Gaz. vol. 137; p. 766.
- Cylinder-wrench. H. Lund. No. 877,352; Jan. 21; Sp. p. 3422; Dr. p. 742; Gaz. vol. 132; p. 624.
- Cylinder-wrench. H. Lund. No. 877,465; Jan. 21; Sp. p. 3635; Dr. p. 787; Gaz. vol. 132; p. 661.
- Cylindrical receptacles of paper, pasteboard, &c., Producing. O. Schmidt. No. 908,426; Dec. 29; Sp. p. 6621; Gaz. vol. 137; p. 2188.
- Cystoscope. R. H. Wappler. No. 879,224; Feb. 18; Sp. p. 2730; Dr. p. 569; Gaz. vol. 132; p. 1357.
- Dam. E. M. Bassler. No. 885,218; Apr. 21; Sp. p. 3205; Dr. p. 669; Gaz. vol. 133; p. 1757.
- Dam. W. M. Ransom. No. 899,703; Sept. 29; Sp. p. 4860; Dr. p. 1042-3; Gaz. vol. 136; p. 921.
- Dam. J. F. Jackson. No. 902,733; Nov. 3; Sp. p. 400; Gaz. vol. 137; p. 69.
- Dam, Shell-. E. B. Jennings. No. 878,291; Feb. 4; Sp. p. 818; Dr. p. 163; Gaz. vol. 132; p. 980.
- Dam, Shell-. E. B. Jennings. No. 878,960; Feb. 11; Sp. p. 2214; Dr. p. 463; Gaz. vol. 132; p. 1231.
- Dampening and stretching machine. L. H. Carleton. No. 904,406; Nov. 17; Sp. p. 3831; Gaz. vol. 137; p. 681.
- Dampening-machine. D. F. Moore. No. 882,334; Mar. 17; Sp. p. 3692; Dr. pp. 784-5; Gaz. vol. 133; p. 666.
- Dampening-machine. D. H. Benjamin. No. 887,755; May 19; Sp. p. 2886; Dr. p. 608; Gaz. vol. 134; p. 525.
- Dampening wheat and other materials, Apparatus for. K. Dougan. No. 900,837; Oct. 13; Sp. p. 1636; Dr. p. 331; Gaz. vol. 136; p. 1352.
- Damper. J. C. F. Schafer. No. 901,485; Oct. 20; Sp. p. 2988; Dr. p. 609; Gaz. vol. 136; p. 1599.
- Damper. W. D. Luce. No. 902,098; Oct. 27; Sp. p. 4238; Dr. pp. 858-9; Gaz. vol. 136; p. 1827.
- Damper and pressure regulator. J. B. Bischoff. No. 881,636; Mar. 10; Sp. p. 2325; Dr. pp. 503-4; Gaz. vol. 133; p. 418.
- Damper and temperature regulator. V. F. Davis. No. 908,077; Dec. 29; Sp. p. 5867; Gaz. vol. 137; p. 2067.
- Damper-clip. J. C. Meister and J. A. Cochran. No. 906,254; Dec. 8; Sp. p. 2238; Gaz. vol. 137; p. 1384.
- Damper, Flue-. F. M. Heath. No. 883,878; Apr. 7; Sp. p. 422; Dr. p. 83; Gaz. vol. 133; p. 1258.
- Damper-operating mechanism. N. P. Fraser. No. 881,099; Mar. 3; Sp. p. 1209; Dr. p. 261; Gaz. vol. 133; p. 206.
- Damper-regulator. H. M. Browne. No. 886,183; Apr. 28; Sp. p. 5161; Dr. p. 1086; Gaz. vol. 133; p. 2099.
- Damper-regulator. C. C. Koster. No. 886,988; May 5; Sp. p. 1286; Dr. p. 271; Gaz. vol. 134; p. 214.
- Damper-regulator. D. F. Morgan. No. 887,417; May 12; Sp. p. 2225; Dr. p. 465; Gaz. vol. 134; p. 384.
- Damper-regulator. J. B. McCaughey. No. 890,294; June 9; Sp. p. 2236; Dr. p. 491; Gaz. vol. 134; p. 1442.
- Damper-regulator. W. P. Dennis. No. 893,609; July 21; Sp. p. 2506; Dr. pp. 521-2; Gaz. vol. 135; p. 462.
- Damper-regulator. H. Reaser. No. 897,490; Sept. 1; Sp. p. 509; Dr. p. 108; Gaz. vol. 136; p. 81.
- Damper-regulator. W. M. Fulton. No. 900,511; Oct. 6; Sp. p. 952; Dr. p. 193; Gaz. vol. 136; p. 1217.
- Damper-regulator. W. Roberts and D. H. Holloway. No. 904,894; Nov. 24; Sp. p. 4880; Gaz. vol. 137; p. 871.
- Damper-regulator. W. D. Luce. No. 906,642; Dec. 15; Sp. p. 2947; Gaz. vol. 137; p. 1532.
- Damper-regulator for heaters. R. J. Roney. No. 893,874; July 21; Sp. p. 3123; Dr. p. 641; Gaz. vol. 135; p. 549.
- Damper, Self-regulating. B. V. Croy. No. 883,789; Apr. 7; Sp. p. 216; Dr. p. 39; Gaz. vol. 133; p. 1228.
- Damper, Stove-. J. Beahan and W. M. Brown. No. 894,570; July 28; Sp. p. 4578; Dr. p. 949; Gaz. vol. 135; p. 800.
- Damper, Stovepipe-. A. Ohnemus. No. 901,642; Oct. 20; Sp. p. 3291; Dr. p. 675; Gaz. vol. 136; p. 1649.
- Dancing-chart and method of self-instruction. G. Kolp. No. 900,105; Oct. 6; Sp. p. 64; Dr. p. 12; Gaz. vol. 136; p. 1085.
- Dandelion-killer. J. S. Foulke and T. J. Flavin. No. 896,904; Aug. 25; Sp. p. 4257; Dr. p. 911; Gaz. vol. 135; p. 1658.
- Darning device. G. H. Crawford. No. 888,592; May 26; Sp. p. 4539; Dr. p. 962; Gaz. vol. 134; p. 831.
- Dashboard, Vehicle extension-. J. E. Albright. No. 891,027; June 16; Sp. p. 3741; Dr. p. 816; Gaz. vol. 134; p. 1715.
- Dash-pot. G. Goetz. No. 906,490; Dec. 8; Sp. p. 2666; Gaz. vol. 137; p. 1460.
- Dash-pot mechanism. H. F. Myers. No. 902,989; Nov. 3; Sp. p. 926; Gaz. vol. 137; p. 152.
- Dauber. C. S. Emmert. No. 892,036; June 30; Sp. p. 5792; Dr. p. 1246; Gaz. vol. 134; p. 2108.
- Davenport. C. J. Kindel. No. 880,221; Feb. 25; Sp. p. 4822; Dr. p. 1020; Gaz. vol. 132; p. 1717.
- Davenport. R. Coopersmith and C. J. Kindel. No. 880,278; Feb. 25; Sp. p. 4931; Dr. p. 1043; Gaz. vol. 132; p. 1736.
- Davenport. H. C. Creedon. No. 891,915; June 30; Sp. p. 5563; Dr. p. 1199; Gaz. vol. 134; p. 2071.
- Davenport, folding bed, and couch, Combined. J. L. Tandy. No. 907,650; Dec. 22; Sp. p. 4977; Gaz. vol. 137; p. 1897.
- Davit-operating device. H. B. Firth. No. 905,065; Nov. 24; Sp. p. 5196; Gaz. vol. 137; p. 928.
- Dead-centers, Device for overcoming. J. B. Hamric and D. C. Chitwood. No. 889,304; June 2; Sp. p. 217; Dr. p. 54; Gaz. vol. 134; p. 1093.
- Deck-plate. W. H. Durkee. No. 882,877; Mar. 24; Sp. p. 4753; Dr. p. 1011; Gaz. vol. 133; p. 876.
- Deck-plate. A. R. Hurlburt. No. 891,174; June 16; Sp. p. 4000; Dr. p. 878; Gaz. vol. 134; p. 1760.
- Deck-plate and the like. W. H. Durkee. No. 896,282; Aug. 18; Sp. p. 2970; Dr. p. 640; Gaz. vol. 135; p. 1432.
- Deck-traveler. H. P. Thorn. No. 894,243; July 28; Sp. p. 3902; Dr. p. 806; Gaz. vol. 135; p. 691.
- Decoloring oils, fats, &c., and making the same, Composition for. T. Macherski and E. Koperski. No. 899,879; Sept. 29; Sp. p. 5251; Gaz. vol. 136; p. 981.
- Decorative effects in rooms and the like, Means for obtaining illusionary. H. L. Delloye and A. E. Hénard. No. 885,669; Apr. 21; Sp. p. 4102; Dr. pp. 858-9; Gaz. vol. 133; p. 1900.
- Decorticating apparatus. T. E. Mitchell and T. H. Tombyll. No. 882,766; Mar. 24; Sp. p. 4518; Dr. pp. 964-5; Gaz. vol. 133; p. 839.
- Decorticator. W. L. Weber. No. 889,161; May 26; Sp. p. 5734; Dr. p. 1213; Gaz. vol. 134; p. 1016.
- Decoy, Folding. E. R. Rosentreter. No. 883,161; Mar. 24; Sp. p. 5305; Dr. p. 1132; Gaz. vol. 133; p. 969.
- Decoy-support. H. A. Kricke. No. 892,528; July 7; Sp. p. 269; Dr. p. 58; Gaz. vol. 135; p. 50.
- Deflector for elevating graders. W. H. Morenus. No. 907,700; Dec. 22; Sp. p. 5104; Gaz. vol. 137; p. 1915.
- Dehydrating sodium hydrosulfite. A. Schmidt. No. 892,186; June 30; Sp. p. 6088; Gaz. vol. 134; p. 2158.
- Delivering and catching device. W. E. Martin, W. L. Grant, R. J. McGavock, R. E. Haynes, and J. C. Voorhies. No. 898,380; Sept. 8; Sp. p. 2294; Dr. p. 488; Gaz. vol. 136; p. 398.

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- Delivery apparatus. G. Uhlmann. No. 882,031; Mar. 17; Sp. p. 3114; Dr. p. 662; Gaz. vol. 133; p. 567.
 Delivery apparatus for dry goods. J. Kunz. No. 895,377; Aug. 4; Sp. p. 1196; Dr. p. 252; Gaz. vol. 135; p. 1094.
 Delivery mechanism. W. Scott. No. 885,383; Apr. 21; Sp. p. 3550; Dr. pp. 742-3; Gaz. vol. 133; p. 1813.
 Delivery mechanism. W. Scott. No. 908,152; Dec. 29; Sp. p. 6025; Gaz. vol. 137; p. 2092.
 Dental and surgical appliance, Electrical. H. F. Presser. No. 876,997; Jan. 21; Sp. p. 2699; Dr. p. 585; Gaz. vol. 132; p. 507.
 Dental apparatus. F. Armstrong. No. 902,463; Oct. 27; Sp. p. 5018; Dr. p. 1015; Gaz. vol. 136; p. 1947.
 Dental appliance. C. C. Galloway. No. 883,106; Mar. 24; Sp. p. 5182; Dr. p. 1106; Gaz. vol. 133; p. 950.
 Dental appliance. J. B. Schafhirt. No. 887,528; May 12; Sp. p. 2449; Dr. p. 517; Gaz. vol. 134; p. 421.
 Dental appliance. E. E. Holmes. No. 900,541; Oct. 6; Sp. p. 1009; Dr. p. 205; Gaz. vol. 136; p. 1227.
 Dental appliance. E. E. Holmes. No. 905,535; Dec. 1; Sp. p. 863; Gaz. vol. 137; p. 1120.
 Dental appliance. P. S. Whitney and R. R. Myers. No. 908,056; Dec. 29; Sp. p. 5829; Gaz. vol. 137; p. 2060.
 Dental articulator. W. Luxmore. No. 880,899; Mar. 3; Sp. p. 843; Dr. p. 180; Gaz. vol. 133; p. 142.
 Dental articulator. A. V. Dear. No. 882,375; Mar. 17; Sp. p. 3763; Dr. p. 802; Gaz. vol. 133; p. 678.
 Dental articulator. J. C. Fisher. No. 892,040; June 30; Sp. p. 5808; Dr. p. 1249; Gaz. vol. 134; p. 2111.
 Dental articulator-hinge. R. Sykora. No. 905,479; Dec. 1; Sp. p. 744; Gaz. vol. 137; p. 1103.
 Dental blower. P. E. Williams. No. 900,812; Oct. 13; Sp. p. 1587; Dr. p. 321; Gaz. vol. 136; p. 1344.
 Dental bracket-table. P. W. Evans. No. 893,155; July 14; Sp. p. 1564; Dr. pp. 330-1; Gaz. vol. 135; p. 285.
 Dental bridge. C. E. Crombie. No. 898,559; Sept. 15; Sp. p. 2667; Dr. p. 570; Gaz. vol. 136; p. 489.
 Dental bridgework, Removable. E. C. Bennett. No. 883,382; Mar. 31; Sp. p. 5785; Dr. pp. 1234-5; Gaz. vol. 133; p. 1071.
 Dental broach and holder. C. R. Powers. No. 904,990; Nov. 24; Sp. p. 5061; Gaz. vol. 137; p. 903.
 Dental broach-covering mechanism. R. Siegel. No. 893,665; July 21; Sp. p. 2623; Dr. p. 549; Gaz. vol. 135; p. 481.
 Dental casting-machine. H. G. Maize. No. 899,255; Sept. 22; Sp. p. 4006; Dr. p. 855; Gaz. vol. 136; p. 743.
 Dental cavity-impression tray. T. C. Trigger. No. 883,592; Mar. 31; Sp. p. 6209; Dr. p. 1324; Gaz. vol. 133; p. 1137.
 Dental cement. J. N. Crouse. No. 902,562; Nov. 3; Sp. p. 62; Gaz. vol. 137; p. 11.
 Dental cement and manufacturing the same. F. L. and G. L. Grier. No. 889,002; May 26; Sp. p. 5404; Gaz. vol. 134; p. 964.
 Dental chair. F. E. Case. No. 891,762; June 23; Sp. p. 5232; Dr. p. 1134; Gaz. vol. 134; p. 1988.
 Dental crown-heater. E. W. Dodez. No. 888,071; May 19; Sp. p. 3506; Dr. p. 733; Gaz. vol. 134; p. 629.
 Dental-crown-swaging machine. C. Graham. No. 881,574; Mar. 10; Sp. p. 2152; Dr. p. 470; Gaz. vol. 133; p. 390.
 Dental dam-holder. C. A. Conover. No. 888,310; May 19; Sp. p. 3953; Dr. p. 832; Gaz. vol. 134; p. 706.
 Dental-engine mandrel. H. S. Hughes. No. 881,691; Mar. 10; Sp. p. 2376; Dr. pp. 514-15; Gaz. vol. 133; p. 427.
 Dental engine, Manually-controlled. J. L. Gauthier. No. 879,254; Feb. 18; Sp. p. 2788; Dr. pp. 584-5; Gaz. vol. 132; p. 1367.
 Dental-engine plugger or mallet. J. P. Kelley. No. 907,815; Dec. 29; Sp. p. 5333; Gaz. vol. 137; p. 1983.
 Dental-engine wrist-joint. A. W. Schramm. No. 908,336; Dec. 29; Sp. p. 6430; Gaz. vol. 137; p. 2157.
 Dental extractor. O. Cholsky. No. 876,526; Jan. 14; Sp. p. 1713; Dr. p. 372; Gaz. vol. 132; p. 311.
 Dental face-bow. J. H. Prothro. No. 894,983; Aug. 4; Sp. p. 422; Dr. p. 86; Gaz. vol. 135; p. 962.
 Dental finger-tray. J. G. Powell. No. 902,109; Oct. 27; Sp. p. 4271; Dr. p. 866; Gaz. vol. 136; p. 1831.
 Dental flask-holder. F. Groschans. No. 884,087; Apr. 7; Sp. p. 850; Dr. p. 179; Gaz. vol. 133; p. 1327.
 Dental forceps. W. C. Miner. No. 882,404; Mar. 17; Sp. p. 3809; Dr. p. 814; Gaz. vol. 133; p. 688.
 Dental gold inlays, Appliance for casting. V. Macdonald. No. 903,489; Nov. 10; Sp. p. 1911; Gaz. vol. 137; p. 344.
 Dental implement. J. Gartrell. No. 879,537; Feb. 18; Sp. p. 3373; Dr. p. 705; Gaz. vol. 132; p. 1460.
 Dental impression-tray. H. T. Lyon. No. 882,155; Mar. 17; Sp. p. 3330; Dr. p. 710; Gaz. vol. 133; p. 606.
 Dental impression-tray. H. F. Smith. No. 883,055; Mar. 24; Sp. p. 5087; Dr. p. 1086; Gaz. vol. 133; p. 934.
 Dental instrument. J. T. Wright. No. 882,363; Mar. 17; Sp. p. 3744; Dr. p. 797; Gaz. vol. 133; p. 674.
 Dental instrument. R. B. Pearsall. No. 882,711; Mar. 24; Sp. p. 4408; Dr. p. 937; Gaz. vol. 133; p. 822.
 Dental instrument. E. T. Burnley. No. 907,003; Dec. 15; Sp. p. 3629; Gaz. vol. 137; p. 1646.
 Dental lip-protector. R. C. Wackler. No. 903,244; Nov. 10; Sp. p. 1617; Gaz. vol. 137; p. 296.
 Dental mirror. A. A. Wright and A. M. Nicodemus. No. 893,293; July 14; Sp. p. 1826; Dr. p. 383; Gaz. vol. 135; p. 329.
 Dental mouth-prop. N. L. Folinger. No. 883,232; Mar. 31; Sp. p. 5469; Dr. p. 1161; Gaz. vol. 133; p. 1023.
 Dental plate. E. A. Jackman. No. 884,159; Apr. 7; Sp. p. 1042; Dr. p. 217; Gaz. vol. 133; p. 1352.
 Dental-plate suction device. G. S. Whittaker. No. 906,977; Dec. 15; Sp. p. 3580; Gaz. vol. 137; p. 1638.
 Dental plates, Mold for making. J. W. Greene. No. 891,689; June 23; Sp. p. 5104; Dr. p. 1101; Gaz. vol. 134; p. 1964.
 Dental plugger. A. Atkins and D. C. Carsen. No. 888,455; May 26; Sp. p. 4261; Dr. p. 902; Gaz. vol. 134; p. 783.
 Dental plugger. J. C. Betts. No. 901,276; Oct. 13; Sp. p. 2469; Dr. p. 509; Gaz. vol. 136; p. 1491.
 Dental soldering device. A. H. Joy. No. 880,740; Mar. 3; Sp. p. 503; Dr. p. 103; Gaz. vol. 133; p. 88.
 Dental sterilizer and water-heater. E. G. Stamper. No. 897,171; Aug. 25; Sp. p. 4827; Dr. p. 1027; Gaz. vol. 135; p. 1746.
 Dental structures, Apparatus for forming. J. A. Lentz. No. 886,140; Apr. 28; Sp. p. 5003; Dr. p. 1069; Gaz. vol. 133; p. 2085.
 Dental swaging apparatus. R. H. Allwine. No. 882,002; May 26; Sp. p. 5551; Dr. p. 1179; Gaz. vol. 134; p. 991.
 Dental swaging device. R. G. Hopkins. No. 880,085; May 26; Sp. p. 3053; Dr. p. 650; Gaz. vol. 133; p. 558.
 Dental syringe attachment. C. W. Hale. No. 881,469; Mar. 10; Sp. p. 1953; Dr. p. 425; Gaz. vol. 133; p. 355.
 Dental tool. H. A. Gollobin. No. 875,992; Jan. 7; Sp. p. 597; Dr. p. 128; Gaz. vol. 132; p. 104.
 Dental tool. L. S. Robinson. No. 876,842; Jan. 14; Sp. p. 2336; Dr. p. 513; Gaz. vol. 132; p. 413.
 Dental tool. E. R. Sausser. No. 881,722; Mar. 10; Sp. p. 2452; Dr. p. 528; Gaz. vol. 133; p. 437.
 Dental tool. E. Y. Haughwout. No. 891,543; June 23; Sp. p. 4779; Dr. p. 1034; Gaz. vol. 134; p. 1914.
 Dental tool. J. H. Abbott. No. 891,651; June 23; Sp. p. 5026; Dr. p. 1082; Gaz. vol. 134; p. 1951.
 Dental tool-holder. C. B. Gehringer. No. 906,869; Dec. 15; Sp. p. 3393; Gaz. vol. 137; p. 1605.
 Dental tool-moistener. S. Craig. No. 902,942; Nov. 3; Sp. p. 826; Gaz. vol. 137; p. 137.
 Dental vulcanizer. F. W. Korb and W. F. Hieber. No. 886,300; Apr. 28; Sp. p. 5388; Dr. p. 1132; Gaz. vol. 133; p. 2139.
 Dentists' cuspidors, Disinfecter for. H. P. Roberts. No. 905,809; Dec. 1; Sp. p. 482; Gaz. vol. 137; p. 1065.
 Dentist's tool. V. J. Reynolds. No. 907,882; Dec. 29; Sp. p. 5454; Gaz. vol. 137; p. 2004.
 Denture. R. M. Craig. (Reissue). No. 12,753; Feb. 18; Sp. p. 4016; Dr. p. 842; Gaz. vol. 132; p. 1561.
 Dentures, Means for securing artificial. E. S. Barnes, G. T. Williams, and C. B. Reynolds. No. 898,546; Sept. 15; Sp. p. 2642; Dr. p. 565; Gaz. vol. 136; p. 485.
 Deodorizer-receptacle. R. B. Emerson. No. 877,309; Jan. 21; Sp. p. 3351; Dr. p. 726; Gaz. vol. 132; p. 611.
 Deodorizing compound. S. M. Buchanan. No. 877,401; Jan. 21; Sp. p. 3514; Gaz. vol. 132; p. 640.
 Deposit-box, Automatic. H. G. Dorsey. No. 904,318; Nov. 17; Sp. p. 3671; Gaz. vol. 137; p. 653.
 Derailer. E. H. Allfree and W. H. England. No. 887,299; May 12; Sp. p. 1962; Dr. pp. 412-13; Gaz. vol. 134; p. 345.
 Derailler, Portable. S. W. Hayes. No. 875,996; Jan. 7; Sp. p. 601; Dr. p. 129; Gaz. vol. 132; p. 105.
 Derailling device. C. W. Clarke. No. 880,717; Mar. 3; Sp. p. 453; Dr. p. 95; Gaz. vol. 133; p. 80.
 Derailling-switch. J. H. Covey. No. 892,136; June 30; Sp. p. 5985; Dr. p. 1286; Gaz. vol. 134; p. 2141.
 Deraiment-guard. F. Gehricke. No. 883,107; Mar. 24; Sp. p. 5184; Dr. p. 1107; Gaz. vol. 133; p. 950.
 Dermatological instrument. A. L. Tolman. No. 906,085; Dec. 8; Sp. p. 1905; Gaz. vol. 137; p. 1326.
 Derrick. P. Yorke. No. 877,624; Jan. 28; Sp. p. 3988; Dr. p. 862; Gaz. vol. 132; p. 735.
 Derrick. E. J. Ward. No. 882,034; Mar. 17; Sp. p. 3120; Dr. p. 663; Gaz. vol. 133; p. 568.
 Derrick. H. A. Hettinger. No. 882,311; Mar. 17; Sp. p. 3651; Dr. p. 774; Gaz. vol. 133; p. 657.
 Derrick. W. Kirtland. No. 884,666; Apr. 14; Sp. p. 2059; Dr. p. 440; Gaz. vol. 133; p. 1545.
 Derrick. A. Taylor, Jr. No. 889,826; June 2; Sp. p. 1237; Dr. p. 286; Gaz. vol. 134; p. 1260.
 Derrick. F. Hunt. No. 890,655; June 16; Sp. p. 2961; Dr. p. 649; Gaz. vol. 134; p. 1592.
 Derrick. P. Yorke. No. 898,027; Sept. 8; Sp. p. 1636; Dr. p. 349; Gaz. vol. 136; p. 287.
 Derrick. F. R. Patch. No. 899,758; Sept. 29; Sp. p. 4985; Dr. p. 1068; Gaz. vol. 136; p. 941.
 Derrick. A. G. A. Schmidt. No. 901,386; Oct. 20; Sp. p. 2755; Dr. pp. 561-2; Gaz. vol. 136; p. 1566.
 Derrick. J. McMyler. No. 901,461; Oct. 20; Sp. p. 2926; Dr. pp. 596-7; Gaz. vol. 136; p. 1591.
 Derrick and excavating machine. Steel. C. Cooper. No. 885,803; Apr. 28; Sp. p. 4400; Dr. pp. 921-3; Gaz. vol. 133; p. 1974.
 Derrick, Dirt. G. Soreberg. No. 886,657; Mar. 5; Sp. p. 628; Dr. p. 131; Gaz. vol. 134; p. 108.
 Derrick-hoist. B. G. Cope. No. 903,271; Nov. 10; Sp. p. 1478; Gaz. vol. 137; p. 273.
 Derrick or hoisting means. R. H. Bowman. No. 897,451; Sept. 1; Sp. p. 434; Dr. p. 93; Gaz. vol. 136; p. 68.
 Derrick-pipe. H. Shannon. No. 876,243; Jan. 7; Sp. p. 1081; Dr. p. 236; Gaz. vol. 132; p. 153.
 Derrick, Portable. T. S. Miller and J. H. Dickinson. No. 890,158; June 9; Sp. p. 1931; Dr. p. 426; Gaz. vol. 134; p. 1398.
 Derrick, Portable. T. S. Miller and J. H. Dickinson. No. 890,159; June 9; Sp. p. 1935; Dr. pp. 426-7; Gaz. vol. 134; p. 1398.
 Derrick-swinging mechanism. L. T. Mitchell. No. 905,208; Dec. 1; Sp. p. 174; Gaz. vol. 137; p. 1012.
 Desiccating apparatus. O. J. Martinson. No. 903,997; Nov. 17; Sp. p. 2963; Gaz. vol. 137; p. 541.
 Desiccating apparatus. H. Paucksch. No. 879,060; Feb. 11; Sp. p. 2389; Dr. p. 500; Gaz. vol. 132; p. 1262.
 Desiccating apparatus. S. P. Rasmussen. No. 879,490; Feb. 18; Sp. p. 3280; Dr. p. 686; Gaz. vol. 132; p. 1444.

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- Design-transferring apparatus. A. G. Schultz. No. 876,733; Jan. 14; Sp. p. 2139; Dr. p. 469; Gaz. vol. 132; p. 380.
- Design-transferring machine. J. Jacobson and J. Tooker. No. 908,267; Dec. 29; Sp. p. 6284; Gaz. vol. 137; p. 2152.
- Designs, Machine for making. E. I. Horsman, Jr. No. 894,205; July 28; S. p. 3821; Dr. pp. 791-2; Gaz. vol. 135; p. 679.
- Designs or pictures, Production of artistic. E. Laporte. No. 908,017; Dec. 29; Sp. p. 5762; Gaz. vol. 137; p. 2048.
- Designs to cylindrical surfaces, Transferring. J. Jacobson. No. 908,268; Dec. 29; Sp. p. 6287; Gaz. vol. 137; p. 2132.
- Desk. T. H. Thompson. No. 881,501; Mar. 10; Sp. p. 2009; Dr. p. 438; Gaz. vol. 133; p. 365.
- Desk. J. S. McComb. No. 882,207; Mar. 17; Sp. p. 3442; Dr. p. 732; Gaz. vol. 133; p. 622.
- Desk. J. S. McComb. No. 883,419; Mar. 31; Sp. p. 5867; Dr. p. 1250; Gaz. vol. 133; p. 1084.
- Desk. V. Kilpatrick. No. 892,851; July 7; Sp. p. 919; Dr. p. 195; Gaz. vol. 135; p. 154.
- Desk. H. M. Leese. No. 896,023; Aug. 11; Sp. p. 2506; Dr. pp. 542-3; Gaz. vol. 135; p. 1329.
- Desk. J. W. Higgins. No. 898,106; Sept. 8; Sp. p. 1789; Dr. p. 380; Gaz. vol. 136; p. 312.
- Desk. L. Schram and D. Kies. No. 907,533; Dec. 22; Sp. p. 4702; Gaz. vol. 137; p. 1859.
- Desk, Adjustable. J. F. Field. No. 881,312; Mar. 10; Sp. p. 1641; Dr. p. 352; Gaz. vol. 133; p. 306.
- Desk and cash-holder, Recording. J. E. Benjamin. No. 885,713; Apr. 28; Sp. p. 4199; Dr. p. 879; Gaz. vol. 133; p. 1944.
- Desk and seat, Combined. W. Kimmel. No. 896,640; Aug. 13; Sp. p. 3689; Dr. p. 792; Gaz. vol. 135; p. 1548.
- Desk and seat, Combined school. J. C. Brooke. No. 889,577; June 2; Sp. p. 768; Dr. p. 176; Gaz. vol. 134; p. 1181.
- Desk and seat, School. J. C. Brooke. No. 889,579; June 2; Sp. p. 773; Dr. p. 177; Gaz. vol. 134; p. 1181.
- Desk and seat, School. J. E. Ament. No. 891,128; June 16; Sp. p. 3906; Dr. pp. 855-6; Gaz. vol. 134; p. 1745.
- Desk attachment. J. S. McComb. No. 885,364; Apr. 21; Sp. p. 3504; Dr. p. 732; Gaz. vol. 133; p. 1806.
- Desk attachment. H. Schenk. No. 891,188; June 16; Sp. p. 4027; Dr. p. 882; Gaz. vol. 134; p. 1765.
- Desk attachment. C. E. Ashley. No. 894,178; July 28; Sp. p. 3766; Dr. p. 780; Gaz. vol. 135; p. 670.
- Desk, chair, and receptacle, Combined. J. H. Foster. No. 885,594; Apr. 21; Sp. p. 3947; Dr. p. 824; Gaz. vol. 133; p. 1875.
- Desk implement, Combination. J. S. Rapson. No. 888,848; May 26; Sp. p. 5092; Dr. p. 1086; Gaz. vol. 134; p. 913.
- Desk, Lap. H. L. Bowman. No. 905,836; Dec. 8; Sp. p. 1434; Gaz. vol. 137; p. 1248.
- Desk-lock. W. J. Kennedy. No. 897,467; Sept. 1; Sp. p. 467; Dr. pp. 99-100; Gaz. vol. 136; p. 74.
- Desk, Portable. J. O. G. Allenson. No. 893,694; July 21; Sp. p. 2666; Dr. p. 559; Gaz. vol. 135; p. 490.
- Desk, School. H. R. Witzke. No. 882,282; Mar. 17; Sp. p. 3596; Dr. p. 763; Gaz. vol. 133; p. 648.
- Desk-stand, Swinging. W. H. Reynolds. No. 893,264; July 14; Sp. p. 1773; Dr. p. 373; Gaz. vol. 135; p. 320.
- Desk-table. M. P. Harding. No. 880,023; Feb. 25; Sp. p. 4408; Dr. p. 926; Gaz. vol. 132; p. 1651.
- Desk-table. S. M. Wirts. No. 886,452; May 5; Sp. p. 216; Dr. p. 46; Gaz. vol. 134; p. 41.
- Desk, Table. W. C. Miles. No. 888,722; May 26; Sp. p. 4808; Dr. p. 1024; Gaz. vol. 134; p. 873.
- Desk, Table. D. McKinlay. No. 906,264; Dec. 8; Sp. p. 2258; Gaz. vol. 137; p. 1387.
- Desk, Writing. C. Y. Haggard. No. 885,748; Apr. 28; Sp. p. 4282; Dr. p. 897; Gaz. vol. 133; p. 1956.
- Desulfurizing-furnace. R. Hübner. No. 899,403; Sept. 22; Sp. p. 4255; Dr. p. 913; Gaz. vol. 136; p. 789.
- Detachable handle. C. B. Post. No. 884,041; Apr. 7; Sp. p. 756; Dr. p. 157; Gaz. vol. 133; p. 1313.
- Detaching device. A. Barna. No. 876,762; Jan. 14; Sp. p. 2190; Dr. p. 481; Gaz. vol. 132; p. 389.
- Detector. See Car-wheel broken-flange detector; Magnetic detector; Oscillation-detector.
- Detector. C. D. Ehret. No. 902,569; Nov. 3; Sp. p. 71; Gaz. vol. 137; p. 12.
- Detector-bar. J. S. Hobson. No. 893,169; July 14; Sp. p. 1589; Dr. p. 337; Gaz. vol. 135; p. 289.
- Detector-bar. C. Herringer. No. 902,580; Nov. 3; Sp. p. 96; Gaz. vol. 137; p. 16.
- Detector or feeler-point. E. A. Bostrom. No. 882,992; Mar. 24; Sp. p. 4972; Dr. p. 1058; Gaz. vol. 133; p. 91.
- Detergent for use with hard and salt waters. R. Macpherson and W. E. Heys. No. 902,750; Nov. 3; Sp. p. 427; Gaz. vol. 137; p. 74.
- Defining, Method of. E. A. Sperry. No. 883,500; Mar. 31; Sp. p. 6035; Dr. p. 1288; Gaz. vol. 133; p. 1112.
- Detonator-castings, Charge for. L. Wöhler. No. 904,289; Nov. 17; Sp. p. 3606; Gaz. vol. 137; p. 643.
- Developing apparatus. A. C. Hayden. No. 884,922; Apr. 14; Sp. p. 2570; Dr. p. 541; Gaz. vol. 133; p. 1628.
- Developing apparatus. G. C. Beidler. No. 904,399; Nov. 17; Sp. p. 3807; Gaz. vol. 137; p. 679.
- Developing-machine. A. T. Larson. No. 885,492; Apr. 21; Sp. p. 3733; Dr. pp. 785-6; Gaz. vol. 133; p. 1846.
- Developing-machine. S. Evans. No. 893,062; July 14; Sp. p. 1373; Dr. p. 290; Gaz. vol. 135; p. 254.
- Developing-plate holder. A. B. Sheppard. No. 901,202; Oct. 13; Sp. p. 2338; Dr. p. 479; Gaz. vol. 136; p. 1468.
- Developing-tank. A. Sherrick. No. 890,380; June 9; Sp. p. 2400; Dr. p. 529; Gaz. vol. 134; p. 1470.
- Developing-tray. M. P. Foran. No. 880,377; Feb. 25; Sp. p. 5118; Dr. p. 1081; Gaz. vol. 132; p. 1767.
- Developing-tray. R. A. Crosby. No. 880,863; Mar. 3; Sp. p. 781; Dr. p. 165; Gaz. vol. 133; p. 130.
- Developing, washing, and fixing box. W. F. Zierath. No. 907,942; Dec. 29; Sp. p. 5586; Gaz. vol. 137; p. 2022.
- Diabolo-bobbins. D. D. Field. No. 892,951; July 7; Sp. p. 1129; Dr. p. 237; Gaz. vol. 135; p. 188.
- Dial. L. B. Ferguson. No. 903,964; Nov. 17; Sp. p. 2905; Gaz. vol. 137; p. 530.
- Diamond, Imitation. J. C. McDearmon. No. 888,346; May 19; Sp. p. 4027; Dr. p. 849; Gaz. vol. 134; p. 717.
- Diaper, Baby's. L. E. Irwin. No. 900,172; Oct. 6; Sp. p. 213; Dr. pp. 43-4; Gaz. vol. 136; p. 1107.
- Diaper-cover. H. Wimmel. No. 881,640; Mar. 10; Sp. p. 2292; Dr. p. 497; Gaz. vol. 133; p. 412.
- Diaper-holder. F. Jonata. No. 879,774; Feb. 18; Sp. p. 3864; Dr. p. 809; Gaz. vol. 132; p. 1536.
- Diaphragm. W. H. Miller. No. 883,327; Mar. 31; Sp. p. 5653; Dr. p. 1206; Gaz. vol. 133; p. 1053.
- Diaphragm and making the same. H. Hirtz. No. 885,998; Apr. 28; Sp. p. 4512; Gaz. vol. 133; p. 2040.
- Dibromindigo, Making. G. Engi. No. 883,703; Apr. 7; Sp. p. 57; Gaz. vol. 133; p. 1201.
- Dichlor-ethoxy-ethylene, Producing. G. Imbert. No. 894,148; July 21; Sp. p. 3685; Gaz. vol. 135; p. 641.
- Die. See Bolt-heading die; Collar-forming die; Hoop-die; Pipe-threading die; Self-opening die.
- Die. F. E. Canda. No. 883,695; Apr. 7; Sp. p. 21; Dr. p. 5; Gaz. vol. 133; p. 1199.
- Die. B. H. Greene. No. 892,251; June 30; Sp. p. 6210; Dr. p. 1338; Gaz. vol. 134; p. 2179.
- Die. C. Leffer. No. 905,719; Dec. 1; Sp. p. 1193; Gaz. vol. 137; p. 1178.
- Die. F. L. Wood. No. 907,667; Dec. 22; Sp. p. 5038; Gaz. vol. 137; p. 1903.
- Die and making same. F. C. Emrick. No. 881,912; Mar. 17; Sp. p. 2854; Dr. p. 609; Gaz. vol. 133; p. 528.
- Die and tap-spindle, Screwing. E. D. Cleghorn. No. 907,741; Dec. 29; Sp. p. 5180; Gaz. vol. 137; p. 1957.
- Die-block. W. R. Forsyth. No. 896,372; Aug. 18; Sp. p. 3176; Dr. p. 681; Gaz. vol. 135; p. 1461.
- Die-carrier. R. Grieser. No. 883,400; Mar. 31; Sp. p. 5826; Dr. p. 1242; Gaz. vol. 133; p. 1077.
- Die-finishing machine. G. H. Webb. No. 904,288; Nov. 17; Sp. p. 3604; Gaz. vol. 137; p. 642.
- Die-stock. R. Bartholomäus. No. 898,956; Sept. 15; Sp. p. 3391; Dr. p. 728; Gaz. vol. 136; p. 617.
- Die-stock. H. W. Oster. No. 902,599; Nov. 3; Sp. p. 136; Gaz. vol. 137; p. 23.
- Die-stock, Self-oiling. J. Mueller. No. 895,881; Aug. 11; Sp. p. 2217; Dr. p. 473; Gaz. vol. 135; p. 1281.
- Die-stock, Self-oiling. W. M. and I. S. Shreve. No. 908,343; Dec. 29; Sp. p. 6445; Gaz. vol. 137; p. 2159.
- Dielectric separator. H. M. Sutton and W. L. and E. G. Steele. No. 888,432; May 19; Sp. p. 4211; Dr. p. 893; Gaz. vol. 134; p. 746.
- Differential mechanism. E. Aze. No. 902,045; Oct. 27; Sp. p. 4144; Dr. p. 839; Gaz. vol. 136; p. 1811.
- Diformin, Producing. S. von Kapff. No. 901,298; Oct. 13; Sp. p. 2539; Gaz. vol. 136; p. 1499.
- Digester. W. H. Atwood. No. 881,888; Mar. 17; Sp. p. 2812; Dr. p. 600; Gaz. vol. 133; p. 521.
- Digester. C. Edgerton. No. 899,961; Sept. 29; Sp. p. 5423; Dr. p. 1156; Gaz. vol. 136; p. 1007.
- Digger. See Clam-digger; Peanut-digger; Post-hole digger; Potato-digger; Rock-digger.
- Digger. J. Hepp. No. 880,527; Mar. 3; Sp. p. 68; Dr. p. 16; Gaz. vol. 133; p. 15.
- Digging and loading machine. N. H. Nelson. No. 880,814; Mar. 3; Sp. p. 657; Dr. pp. 138-9; Gaz. vol. 133; p. 114.
- Digging and loading machine. N. H. Nelson. No. 898,593; Sept. 15; Sp. p. 2718; Dr. pp. 581-2; Gaz. vol. 136; p. 499.
- Digging implement. J. P. Manahan. No. 902,983; Nov. 3; Sp. p. 900; Gaz. vol. 137; p. 150.
- Digging-machine. J. B. Hill. No. 885,343; Apr. 21; Sp. p. 3461; Dr. p. 721; Gaz. vol. 133; p. 1799.
- Digging-shovel. W. J. Newman. No. 881,330; Mar. 10; Sp. p. 1672; Dr. p. 360; Gaz. vol. 133; p. 311.
- Dike, Movable. J. A. Cameron. No. 902,372; Oct. 27; Sp. p. 4821; Dr. p. 974; Gaz. vol. 136; p. 1917.
- Dilator and applicator. W. E. Williams. No. 899,477; Sept. 22; Sp. p. 4385; Dr. p. 941; Gaz. vol. 136; p. 812.
- Dining-table and settee, Combined. I. J. Weinberg. No. 894,299; July 28; Sp. p. 4037; Dr. p. 834; Gaz. vol. 135; p. 711.
- Dinitroglycerin, &c., Obtaining. F. I. du Pont. No. 879,899; Feb. 25; Sp. p. 4182; Dr. p. 873; Gaz. vol. 132; p. 1612.
- Dipper. W. H. Rexer. No. 877,372; Jan. 21; Sp. p. 3459; Dr. p. 751; Gaz. vol. 132; p. 613.
- Dipper-handle. O. H. Chandler. No. 883,623; Mar. 31; Sp. p. 6267; Dr. p. 1337; Gaz. vol. 133; p. 1147.
- Dipper-handle. M. E. and W. Gray. No. 884,485; Apr. 14; Sp. p. 1653; Dr. p. 355; Gaz. vol. 133; p. 1486.
- Dipping-needle. P. H. Stedman. No. 887,140; May 12; Sp. p. 1588; Dr. p. 337; Gaz. vol. 134; p. 292.
- Directory, Building-. F. Fleming. No. 895,357; Aug. 4; Sp. p. 1160; Dr. p. 243; Gaz. vol. 135; p. 1088.
- Directory, Telephone-. W. R. Hunter. No. 890,908; June 16; Sp. p. 3481; Dr. p. 762; Gaz. vol. 134; p. 1674.
- Directory, Telephone-. A. Wilt. No. 895,320; Aug. 4; Sp. p. 1102; Dr. p. 231; Gaz. vol. 135; p. 1076.
- Dirt or manure loader. J. H. Albrecht. No. 884,059; Apr. 7; Sp. p. 786; Dr. pp. 164-5; Gaz. vol. 133; p. 1319.
- Discharge-stem. C. Smith. No. 886,083; Apr. 28; Sp. p. 4975; Dr. p. 1046; Gaz. vol. 133; p. 2067.
- Discharging device for waste material. W. C. Merrill. No. 895,876; Aug. 11; Sp. p. 2205; Dr. p. 470; Gaz. vol. 135; p. 1280.

Alphabetical list of inventions—Continued.

- Dish-batten. N. L. Lillibridge. No. 906,809; Dec. 15; Sp. p. 3269; Gaz. vol. 137; p. 1586.
 Dish, Cereal-. L. T. Kinert. No. 876,808; Jan. 14; Sp. p. 2265; Dr. p. 498; Gaz. vol. 132; p. 403.
 Dish-drainer. G. Samsó. No. 878,315; Feb. 4; Sp. p. 864; Dr. p. 172; Gaz. vol. 132; p. 987.
 Dish-drainer. D. P. Zondervan. No. 888,953; May 26; Sp. p. 5320; Dr. p. 1129; Gaz. vol. 134; p. 949.
 Dish-drainer. M. E. Brockman. No. 894,938; Aug. 4; Sp. p. 328; Dr. p. 66; Gaz. vol. 135; p. 947.
 Dish-drying rack. L. M. Schomber. No. 901,747; Oct. 20; Sp. p. 3540; Dr. p. 716; Gaz. vol. 136; p. 1686.
 Dish pan and drainer. Combined. M. V. Taggart. No. 883,840; Apr. 7; Sp. p. 346; Dr. p. 67; Gaz. vol. 133; p. 1246.
 Dish-receiver. R. R. Parry. No. 904,010; Nov. 17; Sp. p. 2992; Gaz. vol. 137; p. 546.
 Dish-staff, Adjustable. H. E. Withered. No. 905,484; Dec. 1; Sp. p. 755; Gaz. vol. 137; p. 1104.
 Dish-warmer. R. L. Washington. No. 891,754; June 23; Sp. p. 5217; Dr. p. 1129; Gaz. vol. 134; p. 1985.
 Dish-washer. J. M. Gilbert. No. 893,354; Sept. 8; Sp. p. 2242; Dr. p. 478; Gaz. vol. 136; p. 389.
 Dish-washer. C. W. Fetherolf. No. 902,064; Oct. 27; Sp. p. 4180; Dr. p. 847; Gaz. vol. 136; p. 1817.
 Dish-washer, Automatic. J. A. De Vito. No. 880,637; Mar. 3; Sp. p. 299; Dr. p. 66; Gaz. vol. 133; p. 52.
 Dish-washing machine. B. F. Singer and T. R. Clark. No. 904,731; Nov. 24; Sp. p. 4520; Gaz. vol. 137; p. 817.
 Disinfectant. M. Souvielle. No. 887,707; May 12; Sp. p. 2771; Gaz. vol. 134; p. 480.
 Disinfectant-distributor. J. O. Walker. No. 904,739; Nov. 24; Sp. p. 4533; Gaz. vol. 137; p. 819.
 Disinfectant, Waste-sulfite-liquor. C. Ellis. No. 877,414; Jan. 21; Sp. p. 3547; Gaz. vol. 132; p. 645.
 Disinfecting apparatus. T. A. Clayton. No. 885,435; Apr. 21; Sp. p. 3630; Dr. p. 761; Gaz. vol. 133; p. 1827.
 Disinfecting apparatus. J. R. Van Dyne. No. 893,208; July 14; Sp. p. 1664; Dr. p. 351; Gaz. vol. 135; p. 300.
 Disinfecting apparatus. V. A. Williams. No. 895,221; Aug. 4; Sp. p. 893; Dr. p. 187; Gaz. vol. 135; p. 1043.
 Disinfecting apparatus. P. Rudisch. No. 896,942; Aug. 25; Sp. p. 4358; Dr. p. 934; Gaz. vol. 135; p. 1671.
 Disinfecting apparatus. J. N. Mitchell. No. 903,154; Nov. 3; Sp. p. 1234; Gaz. vol. 137; p. 202.
 Disinfecting apparatus. M. Schnaier. No. 905,937; Dec. 8; Sp. p. 1627; Gaz. vol. 137; p. 1280.
 Disinfecting device. J. E. Lee. No. 902,587; Nov. 3; Sp. p. 120; Gaz. vol. 137; p. 19.
 Disinfection. A. Gärtner. No. 903,853; Nov. 17; Sp. p. 2656; Gaz. vol. 137; p. 493.
 Disintegrating apparatus. A. D. Furse. No. 899,521; Sept. 29; Sp. p. 4491; Dr. p. 965; Gaz. vol. 136; p. 864.
 Disintegrating, washing, and screening machine. C. B. C. Storey. No. 881,207; Mar. 10; Sp. p. 1415; Dr. pp. 305-6; Gaz. vol. 133; p. 271.
 Disintegrator, Centrifugal. J. B. Touya, Jr. No. 901,217; Oct. 13; Sp. p. 2360; Dr. p. 483; Gaz. vol. 136; p. 1472.
 Disintegrator, Digesting-. M. R. Kennedy. No. 889,241; June 2; Sp. p. 95; Dr. p. 22; Gaz. vol. 134; p. 1074.
 Disk drill. A. Armitage and W. P. Thistlethwaite. No. 879,831; Feb. 18; Sp. p. 3987; Dr. p. 834; Gaz. vol. 132; p. 1556.
 Disk drill. C. H. Pelton. No. 885,080; Apr. 21; Sp. p. 2879; Dr. p. 611; Gaz. vol. 133; p. 1711.
 Disk-honer. J. Pfeifer. No. 908,129; Dec. 29; Sp. p. 5982; Gaz. vol. 137; p. 2085.
 Disk propeller or game apparatus. W. J. Rigney. No. 905,586; Dec. 1; Sp. p. 955; Gaz. vol. 137; p. 1136.
 Disk shaping and sharpening machine. O. T. Fegert. No. 903,365; Nov. 10; Sp. p. 1655; Gaz. vol. 137; p. 303.
 Disk-sharpening. W. O. Hardman. No. 907,997; Dec. 29; Sp. p. 5722; Gaz. vol. 137; p. 2041.
 Disk shears. J. A. Sagerdahl. No. 895,895; Aug. 11; Sp. p. 2238; Dr. p. 478; Gaz. vol. 135; p. 1286.
 Disks in a centrifugal separator-bowl, Device for removing and replacing the conical. A. F. Ahlberg. No. 905,826; Dec. 8; Sp. p. 1419; Gaz. vol. 137; p. 1245.
 Dispensing and measuring apparatus. C. and P. Dacosta. No. 895,346; Aug. 4; Sp. p. 1143; Dr. p. 240; Gaz. vol. 135; p. 1085.
 Dispensing apparatus. H. A. and G. W. Wise. No. 887,171; May 12; Sp. p. 1639; Dr. p. 348; Gaz. vol. 134; p. 301.
 Dispensing apparatus. W. R. Mittendorf. No. 899,124; Sept. 22; Sp. p. 3708; Dr. p. 795; Gaz. vol. 136; p. 760.
 Dispensing-box. E. Pohlig. No. 885,374; Apr. 21; Sp. p. 3526; Dr. p. 737; Gaz. vol. 133; p. 1810.
 Dispensing-can. S. Ellery. No. 892,716; July 7; Sp. p. 637; Dr. p. 135; Gaz. vol. 135; p. 111.
 Dispensing-container. O. L. Parmenter. No. 876,282; Jan. 7; Sp. p. 1166; Dr. p. 254; Gaz. vol. 132; p. 196.
 Dispensing-receptacle. A. S. E. Sanders. No. 907,291; Dec. 22; Sp. p. 4236; Gaz. vol. 137; p. 1779.
 Dispensing-stopper. H. G. Scott. No. 885,792; Apr. 28; Sp. p. 4366; Dr. p. 917; Gaz. vol. 133; p. 1970.
 Dispensing vessel. H. von Baeyer. No. 900,644; Oct. 6; Sp. p. 1233; Dr. p. 252; Gaz. vol. 136; p. 1262.
 Display and card rack. M. J. Orin. No. 904,080; Nov. 17; Sp. p. 3138; Gaz. vol. 137; p. 569.
 Display and cover attachment for barrels, jars, and other receptacles, Sanitary. L. F. Kaltwasser. No. 890,515; June 9; Sp. p. 2647; Dr. p. 585; Gaz. vol. 134; p. 1512.
 Display apparatus. A. D. Phillips. No. 876,089; Jan. 7; Sp. p. 793; Dr. p. 169; Gaz. vol. 132; p. 134.
 Display apparatus. J. C. Fox. No. 884,575; Apr. 14; Sp. p. 1835; Dr. p. 393; Gaz. vol. 133; p. 1515.
 Display apparatus. H. L. Beach. No. 891,029; June 16; Sp. p. 3744; Dr. p. 817; Gaz. vol. 134; p. 1716.
 Display apparatus. H. L. Beach. No. 891,135; June 16; Sp. p. 3923; Dr. p. 859; Gaz. vol. 134; p. 1747.
 Display apparatus. J. Jr. and A. A. Wiedemeier. No. 903,253; Nov. 10; Sp. p. 1446; Gaz. vol. 137; p. 266.
 Display apparatus, Electric. E. L. Zalinski. No. 885,127; Apr. 21; Sp. p. 2997; Dr. pp. 632-3; Gaz. vol. 133; p. 1727.
 Display apparatus for rugs and the like. M. D. Howell. No. 888,087; May 19; Sp. p. 3538; Dr. p. 740; Gaz. vol. 134; p. 639.
 Display apparatus, Interchangeable electric. D. Levy. No. 875,715; Jan. 7; Sp. p. 71; Dr. pp. 15-16; Gaz. vol. 132; p. 15.
 Display-book. A. W. Wermerskirchen. No. 880,611; Mar. 3; Sp. p. 248; Dr. p. 51; Gaz. vol. 133; p. 44.
 Display-box. A. H. Burt. No. 876,146; Jan. 7; Sp. p. 901; Dr. p. 194; Gaz. vol. 132; p. 155.
 Display-box. S. L. Bachrach. No. 879,235; Feb. 18; Sp. p. 2750; Dr. pp. 574-5; Gaz. vol. 132; p. 1361.
 Display-box. A. Sommer. No. 880,590; Mar. 3; Sp. p. 204; Dr. p. 44; Gaz. vol. 133; p. 37.
 Display-box. H. G. Kuck. No. 896,923; Aug. 25; Sp. p. 4330; Dr. p. 928; Gaz. vol. 135; p. 1665.
 Display-box for flower-seeds. F. G. Merritt. No. 897,002; Aug. 25; Sp. p. 4502; Dr. pp. 962-3; Gaz. vol. 135; p. 1691.
 Display-box for fruits and vegetables. E. E. Cabanis. No. 904,404; Nov. 17; Sp. p. 3528; Gaz. vol. 137; p. 681.
 Display-cabinet. J. M. Acheson. No. 877,751; Jan. 28; Sp. p. 4218; Dr. pp. 814-15; Gaz. vol. 132; p. 774.
 Display-cabinet. F. D. Maguolo. No. 879,782; Feb. 18; Sp. p. 3877; Dr. p. 813; Gaz. vol. 132; p. 1539.
 Display-cabinet. A. R. Du Boise and L. F. Ferry. No. 885,457; Apr. 21; Sp. p. 3672; Dr. p. 769; Gaz. vol. 133; p. 1835.
 Display-cabinet. J. Waugh. No. 887,882; May 19; Sp. p. 3152; Dr. p. 664; Gaz. vol. 134; p. 568.
 Display-cabinet. D. F. Greenawalt. No. 889,519; June 2; Sp. p. 662; Dr. p. 153; Gaz. vol. 134; p. 1163.
 Display-cabinet. O. T. Romsos. No. 897,786; Sept. 1; Sp. p. 1100; Dr. p. 236; Gaz. vol. 136; p. 176.
 Display-can, Sheet-metal. C. T. Draper. No. 878,784; Feb. 11; Sp. p. 1587; Dr. p. 389; Gaz. vol. 132; p. 1177.
 Display-card. M. Lichter. No. 895,775; Aug. 11; Sp. p. 1998; Dr. p. 424; Gaz. vol. 135; p. 1247.
 Display-card for sample-cases. E. T. Marsh. No. 896,131; Aug. 18; Sp. p. 2689; Dr. p. 580; Gaz. vol. 135; p. 1383.
 Display-case. W. A. Van Brocklin. No. 876,889; Jan. 14; Sp. p. 2439; Dr. p. 532; Gaz. vol. 132; p. 430.
 Display-case. E. D. Obertruffer. No. 886,066; Apr. 28; Sp. p. 4947; Dr. p. 1040; Gaz. vol. 133; p. 2062.
 Display-case. C. F. Kurz. No. 904,621; Nov. 24; Sp. p. 4250; Gaz. vol. 137; p. 779.
 Display-case and binder, Portable. A. M. Knauber. No. 903,988; Nov. 17; Sp. p. 2947; Gaz. vol. 137; p. 538.
 Display-cases, Extension-bracket for garment-. L. W. Welch. No. 879,341; Feb. 18; Sp. p. 2954; Dr. p. 616; Gaz. vol. 132; p. 1395.
 Display-closure. E. A. Pfueger. No. 897,777; Sept. 1; Sp. p. 1088; Dr. p. 233; Gaz. vol. 136; p. 174.
 Display-crate. G. W. Kimber. No. 887,097; May 12; Sp. p. 1523; Dr. p. 322; Gaz. vol. 134; p. 279.
 Display device. A. H. Snelling. No. 898,519; Sept. 15; Sp. p. 2582; Dr. p. 532; Gaz. vol. 136; p. 476.
 Display device. J. G. Cooner. No. 908,076; Dec. 29; Sp. p. 5866; Gaz. vol. 137; p. 2067.
 Display-easel. A. M. Stofflet. No. 890,049; Feb. 25; Sp. p. 4474; Dr. p. 939; Gaz. vol. 132; p. 1660.
 Display-easel. J. E. Twitchell. No. 895,211; Aug. 4; Sp. p. 873; Dr. p. 184; Gaz. vol. 135; p. 1040.
 Display-holder. F. N. Look. No. 900,942; Oct. 13; Sp. p. 1862; Dr. p. 379; Gaz. vol. 135; p. 1385.
 Display-holder for gems. R. L. Wood. No. 884,968; Apr. 14; Sp. p. 2657; Dr. p. 565; Gaz. vol. 133; p. 1642.
 Display-holder for jewelry and the like. M. Jerseman. No. 886,108; May 5; Sp. p. 526; Dr. p. 112; Gaz. vol. 134; p. 94.
 Display mechanism, Check-controlled. W. R. Benjamin. No. 879,139; Feb. 18; Sp. p. 2572; Dr. p. 535; Gaz. vol. 132; p. 1328.
 Display-package. G. H. A. Roehrig. No. 903,005; Nov. 3; Sp. p. 936; Gaz. vol. 137; p. 153.
 Display-package. C. J. Miller. No. 903,600; Nov. 10; Sp. p. 2140; Gaz. vol. 137; p. 380.
 Display-package for pencils and the like. T. McIntyre. No. 893,355; July 14; Sp. p. 1944; Dr. p. 408; Gaz. vol. 135; p. 349.
 Display-rack. C. S. Copp and L. Frank. No. 877,760; Jan. 28; Sp. p. 4231; Dr. p. 918; Gaz. vol. 132; p. 777.
 Display-rack. F. Dow. No. 878,872; Feb. 11; Sp. p. 2048; Dr. p. 424; Gaz. vol. 132; p. 1204.
 Display-rack. W. G. Barnes. No. 882,367; Mar. 17; Sp. p. 3751; Dr. p. 798; Gaz. vol. 133; p. 676.
 Display-rack. E. B. Weston. No. 886,023; Apr. 28; Sp. p. 4867; Dr. p. 1024; Gaz. vol. 133; p. 2048.
 Display-rack. J. B. Whitaker. No. 886,748; May 5; Sp. p. 850; Dr. p. 176; Gaz. vol. 134; p. 141.
 Display-rack. J. T. Xander. No. 887,715; May 12; Sp. p. 2787; Dr. p. 589; Gaz. vol. 134; p. 483.
 Display-rack. J. T. Xander. No. 887,716; May 12; Sp. p. 2789; Dr. p. 589; Gaz. vol. 134; p. 484.
 Display-rack. P. Jr. and H. Roush. No. 890,929; June 16; Sp. p. 3526; Dr. p. 772; Gaz. vol. 134; p. 1681.
 Display-rack. W. Freeman. No. 892,413; July 7; Sp. p. 42; Dr. p. 11; Gaz. vol. 135; p. 11.
 Display-rack. H. F. Cook. No. 898,970; Sept. 15; Sp. p. 3418; Dr. p. 734; Gaz. vol. 136; p. 622.
 Display-rack. O. L. Smith. No. 899,342; Sept. 22; Sp. p. 4150; Dr. p. 888; Gaz. vol. 136; p. 770.

Alphabetical list of inventions—Continued.

- Display-rack. O. L. Smith. No. 899,475; Sept. 22; Sp. p. 4382; Dr. p. 940; Gaz. vol. 136; p. 811.
 Display-rack. F. Hennermann. No. 900,014; Sept. 29; Sp. p. 5542; Dr. p. 1181; Gaz. vol. 136; p. 1025.
 Display-rack. E. B. Weston. No. 900,331; Oct. 6; Sp. p. 550; Dr. p. 114; Gaz. vol. 136; p. 1158.
 Display-rack. M. Mayer. No. 900,406; Oct. 6; Sp. p. 704; Dr. p. 146; Gaz. vol. 136; p. 1183.
 Display-rack. M. Mayer. No. 901,721; Oct. 20; Sp. p. 3493; Dr. p. 707; Gaz. vol. 136; p. 1677.
 Display-rack. J. J. Karges. No. 903,821; Nov. 10; Sp. p. 2576; Gaz. vol. 137; p. 450.
 Display-rack. C. Beall. No. 905,635; Dec. 1; Sp. p. 1048; Gaz. vol. 137; p. 1152.
 Display-rack. E. B. Weston. No. 906,976; Dec. 15; Sp. p. 3579; Gaz. vol. 137; p. 1638.
 Display-rack. H. P. Meeks. No. 907,262; Dec. 22; Sp. p. 4184; Gaz. vol. 137; p. 1769.
 Display-rack, Adjustable shoe. G. W. Casteel. No. 908,392; Dec. 29; Sp. p. 6556; Gaz. vol. 137; p. 2176.
 Display-rack attachment. E. B. Weston. No. 900,332; Oct. 6; Sp. p. 550; Dr. p. 114; Gaz. vol. 136; p. 1158.
 Display-rack for clothing. E. Brumberg and A. D. Resler. No. 892,218; June 30; Sp. p. 6151; Dr. p. 1325; Gaz. vol. 134; p. 2169.
 Display-receptacle. W. N. Aubuchon. No. 883,850; Apr. 7; Sp. p. 362; Dr. pp. 70-1; Gaz. vol. 133; p. 1249.
 Display-receptacle. M. Gianini. No. 903,078; Nov. 3; Sp. p. 1100; Gaz. vol. 137; p. 179.
 Display-reel. T. A. K. Oren. No. 906,458; Dec. 8; Sp. p. 2607; Gaz. vol. 137; p. 1448.
 Display-stand. H. B. Sabin. No. 881,345; Mar. 10; Sp. p. 1694; Dr. p. 366; Gaz. vol. 133; p. 316.
 Display-stand. W. Crowther. No. 886,480; May 5; Sp. p. 276; Dr. p. 58; Gaz. vol. 134; p. 51.
 Display-stand. E. W. Klotz. No. 887,401; May 12; Sp. p. 2198; Dr. p. 459; Gaz. vol. 134; p. 379.
 Display-stand. O. P. Lively. No. 888,716; May 26; Sp. p. 4799; Dr. p. 1022; Gaz. vol. 134; p. 871.
 Display-stand. F. W. and G. W. Woelz. No. 890,886; June 16; Sp. p. 3430; Dr. pp. 751-2; Gaz. vol. 134; p. 1667.
 Display-stand. E. J. Kirk. No. 895,867; Aug. 11; Sp. p. 2190; Dr. p. 465; Gaz. vol. 135; p. 1277.
 Display-stand. G. E. Fredericks. No. 896,445; Aug. 18; Sp. p. 3313; Dr. p. 713; Gaz. vol. 135; p. 1485.
 Display-stand. H. R. Cropp. No. 904,758; Nov. 24; Sp. p. 4571; Gaz. vol. 137; p. 825.
 Display-stand. A. Shacklock. No. 907,900; Dec. 29; Sp. p. 5507; Gaz. vol. 137; p. 2009.
 Display-stand. A. Donovan. No. 908,216; Dec. 29; Sp. p. 6192; Gaz. vol. 137; p. 2116.
 Display stand or rack, Knockdown. G. L. Page. No. 884,848; Apr. 14; Sp. p. 2439; Dr. p. 512; Gaz. vol. 133; p. 1607.
 Display-stand, Rotary. C. L. Gerken. No. 889,517; June 2; Sp. p. 660; Dr. p. 153; Gaz. vol. 134; p. 1162.
 Displaying and measuring device for oil-cloth. J. Armstrong. No. 875,680; Jan. 7; Sp. p. 7; Dr. p. 2; Gaz. vol. 132; p. 3.
 Displaying articles of merchandise, Means for. W. O'Sullivan. No. 878,307; Feb. 4; Sp. p. 850; Dr. p. 169; Gaz. vol. 132; p. 985.
 Displaying device, Salesman's sample. B. Wolfson. No. 891,125; June 16; Sp. p. 3900; Dr. p. 854; Gaz. vol. 134; p. 1744.
 Displaying-machine, Automatic. R. H. Hadfield. No. 907,683; Dec. 22; Sp. p. 5086; Gaz. vol. 137; p. 1911.
 Displaying shoes, Heel rest or support for. W. H. Baynard. No. 876,254; Jan. 7; Sp. p. 1101; Dr. p. 239; Gaz. vol. 132; p. 186.
 Distillation. T. A. Dungan. No. 878,785; Feb. 11; Sp. p. 1889; Dr. p. 389; Gaz. vol. 132; p. 1177.
 Distillation apparatus. H. O. Chute. No. 896,434; Aug. 18; Sp. p. 3293; Dr. p. 708; Gaz. vol. 135; p. 1481.
 Distillation of wood, Destructive. T. W. Pritchard. No. 880,466; Feb. 25; Sp. p. 5319; Dr. p. 1119; Gaz. vol. 132; p. 1800.
 Distillation process. H. O. Chute. No. 896,435; Aug. 18; Sp. p. 3296; Dr. p. 708; Gaz. vol. 135; p. 1482.
 Distilling apparatus. W. H. Bartholomew. No. 879,236; Feb. 18; Sp. p. 2751; Dr. pp. 575-8; Gaz. vol. 132; p. 1361.
 Distilling apparatus. P. Asher. No. 889,087; May 26; Sp. p. 5553; Dr. p. 1180; Gaz. vol. 134; p. 992.
 Distilling apparatus. T. M. U. von Post. No. 889,150; May 26; Sp. p. 5703; Dr. pp. 1207-8; Gaz. vol. 134; p. 1012.
 Distilling apparatus and method of distillation. A. de Focattis. No. 898,861; Sept. 15; Sp. p. 3222; Dr. p. 691; Gaz. vol. 136; p. 586.
 Distilling apparatus, Coal-. J. W. Aylsworth and F. L. Dyer. No. 878,490; Feb. 11; Sp. p. 1228; Dr. p. 254; Gaz. vol. 132; p. 1079.
 Distilling apparatus, Wood-. W. Danner. No. 883,091; Mar. 24; Sp. p. 5155; Dr. pp. 1101-2; Gaz. vol. 133; p. 945.
 Distilling apparatus, Wood-. Z. E. Fiveash and C. B. Leonard. No. 890,418; June 9; Sp. p. 2467; Dr. p. 546; Gaz. vol. 134; p. 1481.
 Distilling apparatus, Wood-. G. Walker. No. 904,165; Nov. 17; Sp. p. 3322; Gaz. vol. 137; p. 600.
 Distilling device, Water-. J. R. Perry. No. 901,645; Oct. 20; Sp. p. 3296; Dr. p. 676; Gaz. vol. 136; p. 1650.
 Distilling glycerin. F. J. Wood. No. 881,525; Mar. 10; Sp. p. 2054; Dr. p. 449; Gaz. vol. 133; p. 874.
 Distilling wood. T. B. Gautier. No. 896,292; Aug. 18; Sp. p. 3006; Dr. p. 647; Gaz. vol. 135; p. 1436.
 Distributor and conveyor. M. and H. W. Garland. No. 906,216; Dec. 8; Sp. p. 2167; Gaz. vol. 137; p. 1371.
 Distributing-machine. F. B. Converse, Jr. No. 890,265; June 9; Sp. p. 2167; Dr. pp. 475-8; Gaz. vol. 134; p. 1432.
 Distribution-fixture. W. D. Scott. No. 881,963; Mar. 17; Sp. p. 2961; Dr. p. 631; Gaz. vol. 133; p. 546.
 Distribution system. D. Hall. No. 883,195; Mar. 31; Sp. p. 5385; Dr. p. 1147; Gaz. vol. 133; p. 1010.
 Distribution system. L. L. Tatum. No. 883,760; Apr. 7; Sp. p. 158; Dr. p. 28; Gaz. vol. 133; p. 1219.
 Distribution system. L. L. Tatum. No. 885,106; Apr. 21; Sp. p. 2934; Dr. p. 623; Gaz. vol. 133; p. 1719.
 Distribution system. A. H. Armstrong. No. 890,593; June 16; Sp. p. 2822; Dr. p. 622; Gaz. vol. 134; p. 1570.
 Distribution system. H. L. Van Valkenburg. No. 892,470; July 7; Sp. p. 153; Dr. p. 33; Gaz. vol. 135; p. 30.
 Distribution system. L. Fleischmann. No. 905,509; Dec. 1; Sp. p. 815; Gaz. vol. 137; p. 1112.
 Ditcher and road-grader. W. Larkin. No. 879,478; Feb. 18; Sp. p. 3255; Dr. p. 678; Gaz. vol. 132; p. 1439.
 Ditching and grading machine. M. G. Bunnell. No. 884,068; Apr. 7; Sp. p. 801; Dr. pp. 169-70; Gaz. vol. 133; p. 1321.
 Ditching and grading machine. M. G. Bunnell. No. 902,708; Nov. 3; Sp. p. 353; Gaz. vol. 137; p. 60.
 Ditching and grading machine. M. G. Bunnell. (Reissue.) No. 12,875; Nov. 10; Sp. p. 2587; Gaz. vol. 137; p. 452.
 Ditching apparatus. M. and M. Westenhaber. No. 885,306; Apr. 21; Sp. p. 3373; Dr. pp. 705-6; Gaz. vol. 133; p. 1786.
 Ditching, digging, and loading machine. J. U. Hare. No. 891,252; June 23; Sp. p. 4184; Dr. p. 916; Gaz. vol. 134; p. 1819.
 Ditching-machine. L. Thortvedt. No. 880,937; Mar. 3; Sp. p. 910; Dr. p. 196; Gaz. vol. 133; p. 154.
 Ditching-machine. T. E. Nicholson. No. 881,942; Mar. 17; Sp. p. 2921; Dr. p. 623; Gaz. vol. 133; p. 539.
 Ditching-machine. B. M. Rolph. No. 887,129; May 12; Sp. p. 1571; Dr. pp. 333-4; Gaz. vol. 134; p. 288.
 Ditching-machine. G. A. Omwake. No. 891,000; June 16; Sp. p. 3693; Dr. p. 805; Gaz. vol. 134; p. 1706.
 Ditching-machine. B. Clements. No. 898,557; Sept. 15; Sp. p. 2660; Dr. pp. 568-9; Gaz. vol. 136; p. 488.
 Ditching-machine. O. T. and O. C. Gullikson. No. 900,072; Sept. 29; Sp. p. 5677; Dr. pp. 1212-13; Gaz. vol. 136; p. 1044.
 Ditching-machine. W. Krueger. No. 907,059; Dec. 15; Sp. p. 3732; Gaz. vol. 137; p. 1664.
 Ditching-machines, Conveyor for. A. J. Koob. No. 892,740; July 7; Sp. p. 688; Dr. p. 145; Gaz. vol. 135; p. 118.
 Ditching or tile-laying machine. A. Matson and F. Bronson. No. 905,551; Dec. 1; Sp. p. 891; Gaz. vol. 137; p. 1126.
 Ditching-wheel. A. C. Heck. No. 883,017; Mar. 24; Sp. p. 5021; Dr. p. 1068; Gaz. vol. 133; p. 921.
 Ditching-wheel. A. Miller. No. 907,078; Dec. 15; Sp. p. 3765; Gaz. vol. 137; p. 1670.
 Dividers. C. G. Moberg. No. 882,405; Mar. 17; Sp. p. 3810; Dr. p. 814; Gaz. vol. 133; p. 688.
 Dividers. A. J. Hibbett. No. 891,066; June 16; Sp. p. 3814; Dr. p. 832; Gaz. vol. 134; p. 1727.
 Dividers. P. Spliid. No. 905,381; Dec. 1; Sp. p. 507; Gaz. vol. 137; p. 1070.
 Dividers and calipers, Spring. A. F. Voss. No. 889,416; June 2; Sp. p. 452; Dr. p. 108; Gaz. vol. 134; p. 1130.
 Dividers, Proportional. N. Côté. No. 875,783; Jan. 7; Sp. p. 207; Dr. p. 45; Gaz. vol. 132; p. 38.
 Dividers, Proportional. G. H. Benedict. No. 896,614; Aug. 18; Sp. p. 3641; Dr. p. 782; Gaz. vol. 135; p. 1540.
 Dividing apparatus, Commodity-. E. T. Nicklin and M. Campau. No. 884,845; Apr. 14; Sp. p. 2434; Dr. p. 510; Gaz. vol. 133; p. 1607.
 Dividing-board. R. Loving. No. 903,742; Nov. 10; Sp. p. 2406; Gaz. vol. 137; p. 423.
 Diving apparatus. J. L. Watson. No. 904,241; Nov. 17; Sp. p. 3500; Gaz. vol. 137; p. 626.
 Dock, Floating. A. Mehlhorn and P. von Klitzing. No. 903,215; Nov. 10; Sp. p. 1369; Gaz. vol. 137; p. 254.
 Dock, Floating. A. Mehlhorn and P. von Klitzing. No. 903,598; Nov. 10; Sp. p. 2138; Gaz. vol. 137; p. 379.
 Dog-bench. T. B. Middlebrooke. No. 903,218; Nov. 10; Sp. p. 1374; Gaz. vol. 137; p. 255.
 Doll. E. E. Rouech. No. 875,954; Jan. 7; Sp. p. 522; Dr. p. 111; Gaz. vol. 132; p. 92.
 Doll. L. A. Sackman. No. 882,422; Mar. 17; Sp. p. 3836; Dr. p. 819; Gaz. vol. 133; p. 693.
 Doll-eyes mechanism. A. C. Hover. No. 903,573; Nov. 10; Sp. p. 2082; Gaz. vol. 137; p. 372.
 Doll knee-joint. G. Scherf. No. 906,566; Dec. 15; Sp. p. 2808; Gaz. vol. 137; p. 1509.
 Doll's head. H. Schwickart. No. 896,048; Aug. 11; Sp. p. 2539; Dr. p. 552; Gaz. vol. 135; p. 1336.
 Dolly or skid roller. U. M. Orr. No. 901,028; Oct. 13; Sp. p. 2029; Dr. pp. 411-12; Gaz. vol. 136; p. 1414.
 Door. H. F. Cuntz. No. 889,910; June 9; Sp. p. 1418; Dr. p. 321; Gaz. vol. 134; p. 1314.
 Door. F. Scott. No. 892,317; June 30; Sp. p. 6334; Dr. p. 1364; Gaz. vol. 134; p. 2201.
 Door. E. G. Budd. No. 894,421; July 28; Sp. p. 4285; Dr. p. 884; Gaz. vol. 135; p. 751.
 Door. J. Maier. No. 902,982; Nov. 3; Sp. p. 898; Gaz. vol. 137; p. 150.
 Door-actuating mechanism. J. Brunzwick. No. 885,431; Apr. 21; Sp. p. 3625; Dr. p. 760; Gaz. vol. 133; p. 1826.
 Door and analogous structure, Sheet-metal. T. I. Duffy. No. 891,984; June 30; Sp. p. 5711; Dr. p. 1229; Gaz. vol. 134; p. 2093.
 Door and gate hanger. H. Todd. No. 902,348; Oct. 27; Sp. p. 4781; Dr. p. 965; Gaz. vol. 136; p. 1910.
 Door and window fastener. R. B. Bulger. No. 904,304; Nov. 17; Sp. p. 3640; Gaz. vol. 137; p. 648.
 Door attachment, Screen-. D. D. Morgan. No. 908,306; Dec. 29; Sp. p. 6362; Gaz. vol. 137; p. 2146.
 Door, Automatic-closing. C. Mull. No. 879,883; Feb. 25; Sp. p. 4116; Dr. p. 864; Gaz. vol. 132; p. 1604.
 Door-bolt. J. A. Roy. No. 885,866; Apr. 28; Sp. p. 4521; Dr. p. 949; Gaz. vol. 133; p. 1965.
 Door-bolt. F. A. Tomkins. No. 886,742; May 5; Sp. p. 835; Dr. p. 172; Gaz. vol. 134; p. 139.

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- Door-bolt, Safety. D. S. Welch. No. 906,593; Dec. 15; Sp. p. 2856; Gaz. vol. 137; p. 1518.
 Door bracket, Car. J. L. Mallory. No. 907,833; Dec. 29; Sp. p. 5362; Gaz. vol. 137; p. 1988.
 Door, Bulkhead-. D. May. No. 898,666; Sept. 15; Sp. p. 2873; Dr. p. 614; Gaz. vol. 136; p. 523.
 Door-catch. A. Ahlberg. No. 885,213; Apr. 21; Sp. p. 3193; Dr. p. 668; Gaz. vol. 133; p. 1755.
 Door-catch. P. Porg. No. 896,817; Aug. 25; Sp. p. 4075; Dr. p. 877; Gaz. vol. 135; p. 1629.
 Door-catch and lock, Screen-. H. Hunter. No. 879,174; Feb. 18; Sp. p. 2646; Dr. p. 552; Gaz. vol. 132; p. 1341.
 Door-catch, Engine-house. D. E. Dampman. No. 889,665; June 2; Sp. p. 918; Dr. p. 213; Gaz. vol. 134; p. 1210.
 Door-check. O. Rice. No. 877,123; Jan. 21; Sp. p. 2964; Dr. p. 641; Gaz. vol. 132; p. 549.
 Door-check. A. Cairns. 878,607; Feb. 11; Sp. p. 1539; Dr. p. 314; Gaz. vol. 132; p. 1119.
 Door-check. J. Soss. No. 882,721; Mar. 24; Sp. p. 4434; Dr. p. 943; Gaz. vol. 133; p. 825.
 Door-check. W. T. Adams. No. 884,789; Apr. 14; Sp. p. 2317; Dr. p. 487; Gaz. vol. 133; p. 1588.
 Door-check. E. G. Deloe. No. 885,023; Apr. 21; Sp. p. 2774; Dr. p. 588; Gaz. vol. 133; p. 1693.
 Door-check. D. W. Anderson. No. 890,207; June 9; Sp. p. 2029; Dr. p. 447; Gaz. vol. 134; p. 1414.
 Door-check. W. L. Perkinson. No. 896,146; Aug. 18; Sp. p. 2711; Dr. p. 535; Gaz. vol. 135; p. 1387.
 Door-check. W. A. Ralston. No. 896,242; Aug. 18; Sp. p. 2896; Dr. pp. 624-5; Gaz. vol. 135; p. 1420.
 Door-check. M. J. Flynn. No. 897,825; Sept. 1; Sp. p. 1187; Dr. p. 252; Gaz. vol. 136; p. 138.
 Door-check. J. W. Reed and L. Chapman. No. 901,832; Oct. 20; Sp. p. 3700; Dr. p. 751; Gaz. vol. 136; p. 1712.
 Door-check. J. P. Dengler. No. 906,514; Dec. 15; Sp. p. 2720; Gaz. vol. 137; p. 1493.
 Door check and closer. J. Fairhall, Jr. No. 893,991; July 21; Sp. p. 3371; Dr. p. 690; Gaz. vol. 135; p. 588.
 Door check and closer, Automatic. M. Levin. No. 877,440; Jan. 21; Sp. p. 3598; Dr. p. 779; Gaz. vol. 132; p. 654.
 Door check and lock. O. Pearson. No. 906,920; Dec. 15; Sp. p. 6483; Gaz. vol. 137; p. 1621.
 Door check and lock, Safety. V. Franceck and J. Dytrych. No. 878,056; Feb. 4; Sp. p. 335; Dr. pp. 69-70; Gaz. vol. 132; p. 902.
 Door check and securer, Combined. W. F. Schacht. No. 906,305; Dec. 8; Sp. p. 2355; Gaz. vol. 137; p. 1401.
 Door check and spring. R. M. Mick. No. 893,185; July 14; Sp. p. 1620; Dr. p. 342; Gaz. vol. 135; p. 293.
 Door check and spring, Combined. W. Gillilan. No. 878,521; Feb. 11; Sp. p. 1339; Dr. p. 271; Gaz. vol. 132; p. 1088.
 Door-check, Automatic. J. Wirgman. No. 884,697; Apr. 14; Sp. p. 2110; Dr. p. 451; Gaz. vol. 133; p. 1556.
 Door-check, Chain. J. Kleidmann. No. 890,518; June 9; Sp. p. 2652; Dr. p. 586; Gaz. vol. 134; p. 1513.
 Door-check holder and buffer. Duplex. I. P. Kibbe. No. 886,001; Apr. 28; Sp. p. 4816; Dr. p. 1011; Gaz. vol. 133; p. 2041.
 Door check or catch. F. M. Case. No. 894,115; July 21; Sp. p. 3617; Dr. p. 745; Gaz. vol. 135; p. 630.
 Door-closer. J. W. Hagearty. No. 898,736; Sept. 15; Sp. p. 3004; Dr. p. 644; Gaz. vol. 136; p. 546.
 Door-closer and check. S. Alsop. No. 900,973; Oct. 13; Sp. p. 1925; Dr. p. 392; Gaz. vol. 136; p. 1395.
 Door-closer and fly-chaser, Combined. J. Costantini. No. 898,326; Sept. 8; Sp. p. 2194; Dr. p. 466; Gaz. vol. 136; p. 380.
 Door-closer, Automatic. S. Remontet. No. 900,956; Oct. 13; Sp. p. 1894; Dr. p. 385; Gaz. vol. 136; p. 1390.
 Door-closing apparatus, Automatic. E. Zöpfchen and C. Dusel. No. 889,168; May 26; Sp. p. 5750; Dr. pp. 1216-17; Gaz. vol. 134; p. 1019.
 Door-closing device. R. S. Cummings. No. 902,717; Nov. 3; Sp. p. 372; Gaz. vol. 137; p. 63.
 Door construction, Grain-. G. H. Behrendt and A. Lindquist. No. 897,264; Sept. 1; Sp. p. 6; Dr. p. 2; Gaz. vol. 136; p. 3.
 Door-controlling means. J. Rickli. No. 877,374; Jan. 21; Sp. p. 3461; Dr. pp. 751-2; Gaz. vol. 132; p. 631.
 Door-covering, Metallic. E. B. Gager. No. 877,922; Feb. 4; Sp. p. 57; Dr. p. 11; Gaz. vol. 132; p. 858.
 Door, Crane-. J. T. Wallis. No. 899,930; Sept. 29; Sp. p. 5364; Dr. pp. 1143-4; Gaz. vol. 136; p. 997.
 Door-equalizer. E. A. Benjamin. No. 905,137; Dec. 1; Sp. p. 23; Gaz. vol. 137; p. 988.
 Door-fastener. S. Olson. No. 876,831; Jan. 14; Sp. p. 2317; Dr. p. 509; Gaz. vol. 132; p. 410.
 Door-fastener. L. C. Jensen. No. 884,161; Apr. 7; Sp. p. 1044; Dr. p. 217; Gaz. vol. 133; p. 1353.
 Door-fastener. B. F. Hughes and F. A. Pfeifer. No. 888,614; May 26; Sp. p. 4696; Dr. p. 975; Gaz. vol. 134; p. 839.
 Door-fastener. T. C. Nicholson. No. 890,441; June 9; Sp. p. 2508; Dr. p. 555; Gaz. vol. 134; p. 1489.
 Door-fastener. H. C. Stenberg. No. 897,423; Sept. 1; Sp. p. 381; Dr. p. 80; Gaz. vol. 136; p. 59.
 Door-fastener. J. F. and H. M. Hirsh. No. 898,650; Sept. 15; Sp. p. 2846; Dr. p. 608; Gaz. vol. 136; p. 519.
 Door-fastener. F. E. Richardson. No. 899,323; Sept. 22; Sp. p. 4119; Dr. p. 880; Gaz. vol. 136; p. 764.
 Door-fastener. M. N. Stoffels. No. 900,794; Oct. 13; Sp. p. 1537; Dr. p. 313; Gaz. vol. 136; p. 1336.
 Door-fastener. A. Wicks. No. 907,301; Dec. 22; Sp. p. 4254; Gaz. vol. 137; p. 1783.
 Door fastener, Sliding-. H. L. Rued. No. 879,325; Feb. 18; Sp. p. 2932; Dr. p. 611; Gaz. vol. 132; p. 1390.
 Door fastener, Sliding-. W. N. Carroll. No. 882,296; Mar. 17; Sp. p. 3619; Dr. p. 768; Gaz. vol. 133; p. 652.
 Door fastener, Sliding-. F. Rasmussen. No. 888,117; May 19; Sp. p. 3602; Dr. p. 754; Gaz. vol. 134; p. 644.
 Door fastener, Sliding-. C. A. Moline. No. 888,342; May 19; Sp. p. 4011; Dr. p. 847; Gaz. vol. 134; p. 715.
 Door fastener, Sliding-. J. W. Mabin. No. 889,942; June 9; Sp. p. 1480; Dr. p. 335; Gaz. vol. 134; p. 1324.
 Door fastener, Sliding-. G. L. McCallum. No. 890,690; June 16; Sp. p. 3031; Dr. pp. 665-6; Gaz. vol. 134; p. 1603.
 Door fastener, Sliding-. Z. T. Beatty. No. 891,136; June 16; Sp. p. 3924; Dr. p. 859; Gaz. vol. 134; p. 1748.
 Door fastener, Sliding-. J. F. Muirhead. No. 891,852; June 30; Sp. p. 5442; Dr. p. 1176; Gaz. vol. 134; p. 2049.
 Door fastener, Sliding-. G. M. Ingebo. No. 897,105; Aug. 25; Sp. p. 4700; Dr. p. 1002; Gaz. vol. 135; p. 1725.
 Door fastener, Sliding-. E. Carlson. No. 901,419; Oct. 20; Sp. p. 2828; Dr. p. 577; Gaz. vol. 136; p. 1577.
 Door fastener, Sliding-. N. T. McCleer. No. 906,452; Dec. 8; Sp. p. 2597; Gaz. vol. 137; p. 1447.
 Door-fastening device. S. N. Ritter. No. 898,685; Sept. 15; Sp. p. 2914; Dr. p. 624; Gaz. vol. 136; p. 530.
 Door fastening, Sliding-. J. J. Wells. No. 892,785; July 7; Sp. p. 774; Dr. p. 163; Gaz. vol. 135; p. 133.
 Door fixture, Sliding-. C. Metterhausen. No. 886,531; May 5; Sp. p. 374; Dr. p. 78; Gaz. vol. 134; p. 69.
 Door for lockers. D. Churchill. No. 899,589; Sept. 29; Sp. p. 4639; Dr. p. 996; Gaz. vol. 136; p. 887.
 Door-frame and vestibule member, Combined reinforced. S. W. Fish. No. 903,281; Nov. 10; Sp. p. 1495; Gaz. vol. 137; p. 276.
 Door, Grain-. W. S. Driskell. No. 878,050; Feb. 4; Sp. p. 326; Dr. p. 68; Gaz. vol. 132; p. 901.
 Door, Grain-. R. D. Stryker. No. 886,090; Apr. 28; Sp. p. 4985; Dr. p. 1049; Gaz. vol. 133; p. 2069.
 Door, Grain-. F. T. Slayton. No. 890,717; June 16; Sp. p. 3099; Dr. p. 680; Gaz. vol. 134; p. 1612.
 Door, Grain-. E. B. Gilleland. No. 891,926; June 30; Sp. p. 5582; Dr. p. 1203; Gaz. vol. 134; p. 2074.
 Door, Grain-. J. H. Furtney. No. 908,086; Dec. 29; Sp. p. 5889; Gaz. vol. 137; p. 2071.
 Door-hanger. J. H. Burkholder. No. 876,621; Jan. 14; Sp. p. 1931; Dr. pp. 421-2; Gaz. vol. 132; p. 344.
 Door-hanger. P. F. Holsters. No. 878,395; Feb. 4; Sp. p. 1005; Dr. p. 203; Gaz. vol. 132; p. 1014.
 Door-hanger. S. W. Beeson. No. 883,775; Apr. 7; Sp. p. 184; Dr. p. 34; Gaz. vol. 133; p. 1223.
 Door-hanger. J. Montgomery and R. Leed. No. 885,633; Apr. 21; Sp. p. 4025; Dr. p. 840; Gaz. vol. 133; p. 1888.
 Door-hanger. N. D. Wells. No. 889,076; May 26; Sp. p. 5524; Dr. p. 1174; Gaz. vol. 134; p. 988.
 Door-hanger. J. H. Burkholder. No. 895,156; Aug. 4; Sp. p. 754; Dr. p. 157; Gaz. vol. 135; p. 1020.
 Door-hanger. I. O. Russell. No. 895,794; Aug. 11; Sp. p. 2048; Dr. p. 435; Gaz. vol. 135; p. 1254.
 Door-hanger. A. O. Banks and J. J. Tatum. No. 896,265; Aug. 18; Sp. p. 2940; Dr. p. 633; Gaz. vol. 135; p. 1428.
 Door-hanger. J. Doran. No. 900,270; Oct. 6; Sp. p. 428; Dr. p. 87; Gaz. vol. 136; p. 1138.
 Door-hanger. E. G. Worden. No. 904,393; Nov. 17; Sp. p. 3795; Gaz. vol. 137; p. 677.
 Door hanger, Car-. E. F. Luce. No. 907,827; Dec. 29; Sp. p. 5353; Gaz. vol. 137; p. 1986.
 Door hanger, Edgewise-movable-. S. U. Barr. No. 885,970; Apr. 28; Sp. p. 4753; Dr. pp. 998-9; Gaz. vol. 133; p. 2032.
 Door hanger, Rolling-. M. E. Hunt. No. 899,051; Sept. 22; Sp. p. 3570; Dr. p. 765; Gaz. vol. 136; p. 675.
 Door hanger, Sliding-. R. E. Washburn. No. 890,950; June 16; Sp. p. 3586; Dr. p. 781; Gaz. vol. 134; p. 1689.
 Door-hanger track. W. Loudon. No. 890,243; June 9; Sp. p. 2108; Dr. p. 462; Gaz. vol. 134; p. 1426.
 Door-hanger track. S. W. Beeson. No. 896,682; Aug. 18; Sp. p. 3779; Dr. p. 816; Gaz. vol. 135; p. 1560.
 Door-hanger track. H. L. and H. J. Ferris. No. 902,221; Oct. 27; Sp. p. 4500; Dr. p. 910; Gaz. vol. 136; p. 1866.
 Door-hanger tracks, Means for supporting. J. M. Hopkins. No. 889,012; May 26; Sp. p. 5419; Dr. p. 1152; Gaz. vol. 134; p. 967.
 Door-hanger tracks, Supporting-bracket for. T. C. Prouty. No. 894,229; July 28; Sp. p. 3871; Dr. p. 801; Gaz. vol. 135; p. 687.
 Door-hanger wheel. T. C. Prouty. No. 894,230; July 28; Sp. p. 3872; Dr. p. 802; Gaz. vol. 135; p. 688.
 Door hinge and brace, Combined drop-. C. W. Listerman. No. 905,722; Dec. 1; Sp. p. 1202; Gaz. vol. 137; p. 1179.
 Door-holder. G. Buschur. No. 878,864; Feb. 11; Sp. p. 2035; Dr. p. 420; Gaz. vol. 132; p. 1202.
 Door-holder. E. Hodgson. No. 879,169; Feb. 18; Sp. p. 2639; Dr. p. 550; Gaz. vol. 132; p. 1340.
 Door-holder. R. Clark. No. 880,630; Mar. 3; Sp. p. 284; Dr. p. 61; Gaz. vol. 133; p. 50.
 Door-holder. J. W. Niday. No. 893,009; July 14; Sp. p. 1273; Dr. p. 268; Gaz. vol. 135; p. 237.
 Door-holder. H. G. Voight. No. 900,621; Oct. 6; Sp. p. 1181; Dr. p. 241; Gaz. vol. 136; p. 1254.
 Door-holder. J. C. Winn. No. 901,511; Oct. 20; Sp. p. 3039; Dr. p. 621; Gaz. vol. 136; p. 1608.
 Door-holder. C. J. Caley and H. G. Voight. No. 906,380; Dec. 8; Sp. p. 2467; Gaz. vol. 137; p. 1424.
 Door holder and bumper, Combined. J. B. Hightower. No. 886,503; May 5; Sp. p. 323; Dr. p. 66; Gaz. vol. 134; p. 59.
 Door-jamb setter. R. D. Tennent. No. 880,252; Feb. 25; Sp. p. 4880; Dr. p. 1032; Gaz. vol. 132; p. 1728.
 Door-latch. F. F. Schleicher and S. H. Fisher. No. 905,936; Dec. 8; Sp. p. 1626; Gaz. vol. 137; p. 1280.
 Door-lifter. R. Thoms. No. 882,029; Mar. 17; Sp. p. 3111; Dr. p. 661; Gaz. vol. 133; p. 566.

Alphabetical list of inventions—Continued.

- Door-lock. W. A. Markey. No. 878,972; Feb. 11; Sp. p. 2229; Dr. pp. 466-7; Gaz. vol. 132; p. 1235.
- Door-lock. W. H. Thomas. No. 880,052; Feb. 25; Sp. p. 4478; Dr. p. 941; Gaz. vol. 132; p. 1661.
- Door-lock. O. T. Grann. No. 880,985; Mar. 3; Sp. p. 1000; Dr. p. 214; Gaz. vol. 133; p. 169.
- Door-lock. F. P. Pfeeghar, Jr. No. 881,487; Mar. 10; Sp. p. 1990; Dr. p. 434; Gaz. vol. 133; p. 361.
- Door-lock. F. P. Pfeeghar, Jr. No. 881,614; Mar. 10; Sp. p. 2238; Dr. p. 487; Gaz. vol. 133; p. 404.
- Door-lock. D. H. Burtch. No. 883,158; Mar. 24; Sp. p. 5300; Dr. p. 1131; Gaz. vol. 133; p. 968.
- Door-lock. F. M. Merrill. No. 883,415; Mar. 31; Sp. p. 5860; Dr. p. 1249; Gaz. vol. 133; p. 1083.
- Door-lock. P. Papenfoth. No. 890,172; June 9; Sp. p. 1964; Dr. p. 433; Gaz. vol. 134; p. 1403.
- Door-lock. W. D. McPherson. No. 891,562; June 23; Sp. p. 4820; Dr. p. 1041; Gaz. vol. 134; p. 1920.
- Door-lock. G. E. Spilttoir. No. 898,014; Sept. 8; Sp. p. 1600; Dr. p. 341; Gaz. vol. 136; p. 283.
- Door-lock. D. Hileman. No. 903,857; Nov. 17; Sp. p. 2661; Gaz. vol. 137; p. 494.
- Door lock and latch, Combined vehicle. F. P. Pfeeghar. No. 885,176; Apr. 21; Sp. p. 3107; Dr. p. 654; Gaz. vol. 133; p. 1742.
- Door-lock, Combination. B. J. Hofheinz. No. 876,550; Jan. 14; Sp. p. 1758; Dr. p. 382; Gaz. vol. 132; p. 319.
- Door-lock, Combination. D. E. Lombard. No. 895,380; Aug. 4; Sp. p. 1200; Dr. p. 253; Gaz. vol. 135; p. 1095.
- Door lock, Sliding-. J. F. Streng. No. 875,747; Jan. 7; Sp. p. 135; Dr. p. 30; Gaz. vol. 132; p. 27.
- Door lock, Sliding-. G. M. Blair. No. 895,837; Aug. 11; Sp. p. 2132; Dr. p. 452; Gaz. vol. 135; p. 1267.
- Door lock, Sliding-. D. H. Piquette. No. 896,149; Aug. 18; Sp. p. 2714; Dr. p. 586; Gaz. vol. 135; p. 1388.
- Door lock, Sliding-. W. F. Bentley and G. W. Chessher. No. 902,520; Oct. 27; Sp. p. 5157; Dr. p. 1044; Gaz. vol. 136; p. 1968.
- Door lock, Sliding-. G. M. Blair. No. 905,494; Dec. 1; Sp. p. 773; Gaz. vol. 137; p. 1108.
- Door lock, Sliding-. A. H. Richards and R. C. Kittinger. No. 906,289; Dec. 8; Sp. p. 2303; Gaz. vol. 137; p. 1396.
- Door, Locker-. R. W. Jefferis. No. 894,504; July 28; Sp. p. 4441; Dr. p. 920; Gaz. vol. 135; p. 778.
- Door-locking device. G. B. Tayler. No. 881,209; Mar. 10; Sp. p. 1419; Dr. pp. 306-7; Gaz. vol. 133; p. 271.
- Door-locking mechanism, Roundhouse-. J. U. Nettenstrom. No. 885,858; Apr. 28; Sp. p. 4506; Dr. p. 946; Gaz. vol. 133; p. 1993.
- Door, Metal-covered. W. S. Ely. No. 877,415; Jan. 21; Sp. p. 3548; Dr. p. 767; Gaz. vol. 132; p. 645.
- Door, Metal-covered. W. W. Morey. No. 899,422; Sept. 22; Sp. p. 4286; Dr. p. 920; Gaz. vol. 136; p. 795.
- Door, Metallic. J. O. Emrich. No. 876,788; Jan. 14; Sp. p. 2236; Dr. p. 491; Gaz. vol. 132; p. 396.
- Door, Metallic. J. E. Fox. No. 878,876; Feb. 11; Sp. p. 2055; Dr. pp. 425-6; Gaz. vol. 132; p. 1205.
- Door, Metallic. L. H. Bobb. No. 896,513; Aug. 18; Sp. p. 3460; Dr. p. 744; Gaz. vol. 135; p. 1509.
- Door, Metallic. A. I. Heintz. No. 899,164; Sept. 22; Sp. p. 3804; Dr. p. 814; Gaz. vol. 136; p. 713.
- Door-movement regulator. F. G. Schultdt. No. 885,534; Apr. 21; Sp. p. 3845; Dr. pp. 803-4; Gaz. vol. 133; p. 1858.
- Door-opener. A. E. Bergquist. No. 885,570; Apr. 21; Sp. p. 3919; Dr. p. 818; Gaz. vol. 133; p. 1869.
- Door opener and closer. D. Scott and C. G. Bickle. No. 887,530; May 12; Sp. p. 2453; Dr. p. 517; Gaz. vol. 134; p. 422.
- Door opener and closer. P. D. Galarneau and W. S. Newton. No. 898,865; Sept. 15; Sp. p. 3233; Dr. p. 693; Gaz. vol. 136; p. 588.
- Door-opener, Automatic. E. Siedle. No. 893,022; July 14; Sp. p. 1293; Dr. p. 272; Gaz. vol. 135; p. 241.
- Door-opener, Electric. J. Loch. No. 886,827; May 5; Sp. p. 1002; Dr. p. 210; Gaz. vol. 134; p. 164.
- Door opening and closing mechanism. R. F. Carey. No. 892,222; June 30; Sp. p. 6157; Dr. pp. 1326-7; Gaz. vol. 134; p. 2170.
- Door operating and locking means, Cell-. R. C. and W. A. Stewart. No. 897,317; Sept. 1; Sp. p. 116; Dr. pp. 25-6; Gaz. vol. 136; p. 19.
- Door-operating device. J. M. Sausser. No. 891,737; June 23; Sp. p. 5186; Dr. p. 1120; Gaz. vol. 134; p. 1978.
- Door-operating device, Mine-. J. M. Sausser. No. 908,333; Dec. 29; Sp. p. 6423; Gaz. vol. 137; p. 2155.
- Door-operating mechanism. C. G. Harrington. No. 881,576; Mar. 10; Sp. p. 2155; Dr. p. 470; Gaz. vol. 133; p. 391.
- Door-operating mechanism. A. Campbell. No. 883,933; Apr. 7; Sp. p. 530; Dr. pp. 104-5; Gaz. vol. 133; p. 1277.
- Door-operating mechanism. C. G. Harrington. No. 892,048; June 30; Sp. p. 5822; Dr. p. 1252; Gaz. vol. 134; p. 2113.
- Door-operating mechanism. J. E. Osmer. No. 899,796; Sept. 29; Sp. p. 5089; Dr. p. 1088; Gaz. vol. 136; p. 955.
- Door-operating mechanism. J. E. Osmer. No. 899,999; Sept. 29; Sp. p. 5507; Dr. p. 1174; Gaz. vol. 136; p. 1019.
- Door-operating mechanism. J. G. Bower. No. 904,675; Nov. 24; Sp. p. 4397; Gaz. vol. 137; p. 798.
- Door-operating mechanism. G. C. Cherbonnier. No. 905,123; Nov. 24; Sp. p. 5327; Gaz. vol. 137; p. 948.
- Door-operating mechanism, Dumping-. S. Otis. No. 887,837; May 19; Sp. p. 3060; Dr. p. 643; Gaz. vol. 134; p. 553.
- Door or drawer securer. H. L. Fay. No. 884,141; Apr. 7; Sp. p. 1001; Dr. p. 209; Gaz. vol. 133; p. 1346.
- Door or gate opening and closing device. R. B. Browne. No. 887,307; May 12; Sp. p. 1976; Dr. p. 415; Gaz. vol. 134; p. 347.
- Door or gate support and closer. A. J. Gray. No. 889,365; June 2; Sp. p. 340; Dr. p. 79; Gaz. vol. 134; p. 1113.
- Door or sash, Sliding. G. P. Balch. No. 880,350; Feb. 25; Sp. p. 5060; Dr. p. 1069; Gaz. vol. 132; p. 1759.
- Door or window securer. A. W. Peterson. No. 891,727; June 23; Sp. p. 5169; Dr. p. 1116; Gaz. vol. 134; p. 1975.
- Door-plate. W. Jones. No. 885,760; Apr. 28; Sp. p. 4308; Dr. p. 903; Gaz. vol. 133; p. 1960.
- Door pocket, Sliding-. A. Wagner. No. 872,870; Jan. 7; Sp. p. 359; Dr. p. 79; Gaz. vol. 132; p. 66.
- Door, Revolving. H. W. Dyer. No. 886,317; Apr. 28; Sp. p. 5433; Dr. pp. 1138-9; Gaz. vol. 133; p. 2146.
- Door, Safe-. J. M. Allen. No. 905,623; Dec. 1; Sp. p. 1025; Gaz. vol. 137; p. 1148.
- Door safety device. J. Grüniger. No. 898,100; Sept. 8; Sp. p. 1771; Dr. p. 376; Gaz. vol. 136; p. 310.
- Door-securer. L. C. Smith. No. 880,108; Feb. 25; Sp. p. 4577; Dr. p. 964; Gaz. vol. 132; p. 1678.
- Door-securer. T. J. Bury. No. 885,583; Apr. 21; Sp. p. 3934; Dr. p. 821; Gaz. vol. 133; p. 1872.
- Door-securer. H. A. Johnson. No. 889,239; June 2; Sp. p. 91; Dr. p. 21; Gaz. vol. 134; p. 1073.
- Door-securer. C. W. Stewart. No. 892,462; July 7; Sp. p. 143; Dr. p. 31; Gaz. vol. 135; p. 28.
- Door-securer. J. S. Denny and J. J. Finney. No. 893,463; July 14; Sp. p. 2182; Dr. p. 458; Gaz. vol. 135; p. 385.
- Door-securer. J. G. Bins. No. 894,179; July 28; Sp. p. 3767; Dr. p. 780; Gaz. vol. 135; p. 670.
- Door-securer. E. Weber. No. 894,554; July 28; Sp. p. 4549; Dr. p. 943; Gaz. vol. 135; p. 794.
- Door-securer. E. M. Hembree. No. 897,206; Aug. 25; Sp. p. 4885; Dr. p. 1040; Gaz. vol. 135; p. 1757.
- Door-securer. J. P. Stoffel. No. 902,772; Nov. 3; Sp. p. 404; Gaz. vol. 137; p. 81.
- Door shield or cover, Barn-. A. H. Sites. No. 906,073; Dec. 8; Sp. p. 1883; Gaz. vol. 137; p. 1323.
- Door, Sidewalk-. O. R. Schrader. No. 879,200; Feb. 18; Sp. p. 2690; Dr. p. 561; Gaz. vol. 132; p. 1349.
- Door, Sliding. N. A. Davis. No. 880,865; Mar. 3; Sp. p. 783; Dr. p. 166; Gaz. vol. 133; p. 131.
- Door, Sliding. W. H. Mitchell. No. 883,731; Apr. 7; Sp. p. 103; Dr. pp. 17-18; Gaz. vol. 133; p. 1209.
- Door-spring. J. A. Fretz. No. 896,291; Aug. 18; Sp. p. 3005; Dr. p. 646; Gaz. vol. 135; p. 1436.
- Door-stop. J. Gerson. No. 889,453; June 2; Sp. p. 526; Dr. p. 123; Gaz. vol. 134; p. 1143.
- Door-stop. H. Pawsat. No. 890,701; June 16; Sp. p. 3050; Dr. p. 669; Gaz. vol. 134; p. 1607.
- Door-stop. J. P. Sévigny. No. 895,115; Aug. 4; Sp. p. 684; Dr. p. 143; Gaz. vol. 135; p. 1007.
- Door-stop. C. Schneider. No. 903,409; Nov. 10; Sp. p. 1729; Gaz. vol. 137; p. 316.
- Door-stop. D. A. Fies. No. 905,804; Dec. 1; Sp. p. 1366; Gaz. vol. 137; p. 1207.
- Door-stop. W. B. Hall. No. 908,252; Dec. 29; Sp. p. 6253; Gaz. vol. 137; p. 2127.
- Door stop and check, Combination. T. R. Thorsen. No. 903,243; Nov. 10; Sp. p. 1418; Gaz. vol. 137; p. 263.
- Door stop and fastening. W. Scott. No. 881,725; Mar. 10; Sp. p. 2456; Dr. p. 529; Gaz. vol. 133; p. 438.
- Door stop and holder. J. Wallace. No. 894,355; July 28; Sp. p. 4141; Dr. p. 855; Gaz. vol. 135; p. 729.
- Door support, Edgewise-movable-. J. Joyce. No. 897,747; Sept. 1; Sp. p. 1020; Dr. p. 217; Gaz. vol. 136; p. 165.
- Door, Swinging. K. Metzker. No. 883,418; Mar. 31; Sp. p. 5366; Dr. p. 1250; Gaz. vol. 133; p. 1083.
- Door, Swinging. W. T. Waterstraat. No. 906,175; Dec. 8; Sp. p. 2082; Gaz. vol. 137; p. 1357.
- Door track and hanger. J. D. Welliver and W. G. Harrington. No. 880,258; Feb. 25; Sp. p. 4891; Dr. p. 1034; Gaz. vol. 132; p. 1730.
- Door track, Sliding-. J. H. Burkholder. No. 908,390; Dec. 29; Sp. p. 6552; Gaz. vol. 137; p. 2175.
- Door tracks, Support for sliding-. J. Anderson. No. 897,697; Sept. 1; Sp. p. 926; Dr. p. 196; Gaz. vol. 136; p. 148.
- Doors, cupboards, &c., Lock for. H. J. Cowell. No. 904,683; Nov. 24; Sp. p. 4411; Gaz. vol. 137; p. 801.
- Doors, Device for attaching handles to. M. S. Chenoweth. No. 885,687; Apr. 21; Sp. p. 4142; Dr. p. 867; Gaz. vol. 133; p. 1907.
- Doors for safes, &c., to their seats, Mechanism for forcing. B. F. Tripp. No. 880,179; Feb. 25; Sp. p. 4724; Dr. p. 999; Gaz. vol. 132; p. 1702.
- Doors, Hanging mechanism for laterally-movable. J. L. Kail. No. 898,224; Sept. 8; Sp. p. 2026; Dr. p. 429; Gaz. vol. 136; p. 348.
- Doors of dumb-waiters, Locking device for the well-. A. E. Fischer. No. 892,819; July 7; Sp. p. 842; Dr. p. 179; Gaz. vol. 135; p. 143.
- Doors, Roller-support for edgewise-movable. T. S. Miles and C. E. Poirier. No. 896,562; Aug. 18; Sp. p. 3550; Dr. p. 762; Gaz. vol. 135; p. 1524.
- Doors, shutters, gates, and the like, Closer for. C. Trude. No. 888,368; May 19; Sp. p. 4065; Dr. p. 857; Gaz. vol. 134; p. 724.
- Doors, walls, and the like, Spying-aperture for. J. Shackley. No. 878,245; Feb. 4; Sp. p. 723; Dr. p. 147; Gaz. vol. 132; p. 964.
- Dose-indicator. J. H. Scott. No. 907,294; Dec. 22; Sp. p. 4241; Gaz. vol. 137; p. 1781.
- Dose-stopper. A. W. Burt. No. 890,018; June 9; Sp. p. 1640; Dr. p. 367; Gaz. vol. 134; p. 1350.
- Double-pawlcoupling. M. Hanusch. No. 879,960; Feb. 25; Sp. p. 4294; Dr. p. 897; Gaz. vol. 132; p. 1631.
- Donbletree and line-holder. W. A. Williams. No. 895,927; Aug. 11; Sp. p. 2295; Dr. p. 490; Gaz. vol. 135; p. 1296.
- Doubling and spinning, Device for preventing singles in. H. C. Nightingale. No. 897,129; Aug. 25; Sp. p. 4752; Dr. p. 1012; Gaz. vol. 135; p. 1734.
- Doubling-machine. G. A. Wettengel. No. 888,771; May 26; Sp. p. 4914; Dr. pp. 1047-9; Gaz. vol. 134; p. 889.

Alphabetical list of inventions—Continued.

- Doubling-machinery tension-compensator. P. Hardman. No. 908,255; Dec. 29; Sp. p. 6265; Gaz. vol. 137; p. 2128.
- Douche-chair. S. A. Mendenhall. No. 907,839; Dec. 29; Sp. p. 5371; Gaz. vol. 137; p. 1990.
- Douche, Nasal. E. W. Grove. No. 893,995; July 21; Sp. p. 3379; Dr. p. 691; Gaz. vol. 135; p. 590.
- Douche-protector. A. A. Van Orden. No. 877,618; Jan. 28; Sp. p. 3978; Dr. p. 859; Gaz. vol. 132; p. 733.
- Dough and cracker handling machine. A. W. Copland. No. 891,817; June 30; Sp. p. 5373; Dr. pp. 1162-4; Gaz. vol. 134; p. 2038.
- Dough-cutting machine. C. J. Kintner. No. 902,088; Oct. 27; Sp. p. 4221; Dr. p. 855; Gaz. vol. 136; p. 1824.
- Dough-divider. F. Streich. No. 891,507; June 23; Sp. p. 4706; Dr. p. 1019; Gaz. vol. 134; p. 1903.
- Dough dividing and molding machine for bread. E. J. Diener. No. 897,068; Aug. 25; Sp. p. 4639; Dr. p. 987; Gaz. vol. 135; p. 1714.
- Dough-feeding device. A. W. Copland. No. 879,852; Feb. 25; Sp. p. 4047; Dr. pp. 848-9; Gaz. vol. 132; p. 1595.
- Dough-feeding mechanism. A. W. Copland. No. 898,726; Sept. 15; Sp. p. 2979; Dr. pp. 638-9; Gaz. vol. 136; p. 542.
- Dough-kneader. W. Palmer and F. E. Blackmore. No. 906,271; Dec. 8; Sp. p. 2267; Gaz. vol. 137; p. 1389.
- Dough-mixing machine. A. Roth. No. 879,590; Feb. 18; Sp. p. 3510; Dr. p. 735; Gaz. vol. 132; p. 1477.
- Dough-mixing machine. L. C. Sharpless. No. 903,239; Nov. 10; Sp. p. 1410; Gaz. vol. 137; p. 261.
- Dough-molding machine. J. Dempster. No. 907,322; Dec. 22; Sp. p. 4286; Gaz. vol. 137; p. 1790.
- Dough-raiser. E. A. Smothers. No. 877,675; Jan. 28; Sp. p. 4087; Dr. p. 885; Gaz. vol. 132; p. 751.
- Dough-raising cabinet. W. P. Magnier. No. 879,395; Feb. 18; Sp. p. 3074; Dr. p. 639; Gaz. vol. 132; p. 1412.
- Dough-shaping machine. H. Hueg. No. 875,930; Jan. 7; Sp. p. 465; Dr. p. 100; Gaz. vol. 132; p. 84.
- Dough-sheeting machine. F. M. Peters. No. 881,439; Mar. 10; Sp. p. 1884; Dr. pp. 409-11; Gaz. vol. 133; p. 345.
- Dough-sheeting machine. J. H. Mitchell. No. 893,005; July 14; Sp. p. 1263; Dr. p. 266; Gaz. vol. 135; p. 236.
- Doughnuts and the like, Apparatus for turning. W. H. Tomlinson. No. 900,235; Oct. 6; Sp. p. 331; Dr. p. 69; Gaz. vol. 136; p. 1127.
- Dovetailing-machine. A. Lasance. No. 901,454; Oct. 20; Sp. p. 2914; Dr. p. 594; Gaz. vol. 136; p. 1589.
- Dovetailing-machine attachment. H. F. A. Hoff. No. 908,099; Dec. 29; Sp. p. 5924; Gaz. vol. 137; p. 2075.
- Dowel and rivet marker. H. L. Wood. No. 888,377; May 19; Sp. p. 4084; Dr. p. 861; Gaz. vol. 134; p. 727.
- Downdraft-furnace. O. D. Orris. No. 892,613; July 7; Sp. p. 411; Dr. pp. 91-2; Gaz. vol. 135; p. 76.
- Draft and buffing rigging. R. D. Gallagher, Jr. No. 888,436; May 19; Sp. p. 4221; Dr. p. 895; Gaz. vol. 134; p. 748.
- Draft and lap ring. S. L. Nunnely. No. 880,817; Mar. 3; Sp. p. 664; Dr. p. 140; Gaz. vol. 133; p. 115.
- Draft apparatus for roundhouses and similar structures. T. W. Demarest. No. 887,073; May 12; Sp. p. 1473; Dr. p. 312; Gaz. vol. 134; p. 271.
- Draft appliance. D. S. Jenkins. No. 892,843; July 7; Sp. p. 898; Dr. p. 191; Gaz. vol. 135; p. 152.
- Draft appliance. F. A. Gerling. No. 901,701; Oct. 20; Sp. p. 3458; Dr. p. 701; Gaz. vol. 136; p. 1671.
- Draft appliance, Differential-. W. R. Campbell. No. 883,449; Mar. 31; Sp. p. 5938; Dr. p. 1266; Gaz. vol. 133; p. 1094.
- Draft appliance, Forced-. C. Rusk. No. 880,922; Mar. 3; Sp. p. 888; Dr. pp. 191-2; Gaz. vol. 133; p. 149.
- Draft attachment. D. W. Davis. No. 904,473; Nov. 17; Sp. p. 3967; Gaz. vol. 137; p. 704.
- Draft attachment for vehicle-thills. T. H. Leonard. No. 900,178; Oct. 6; Sp. p. 227; Dr. p. 46; Gaz. vol. 136; p. 1109.
- Draft, Automatic force or suction. G. S. Stuart. No. 886,268; Apr. 28; Sp. p. 5318; Dr. pp. 1119-20; Gaz. vol. 133; p. 2128.
- Draft-controller, Automatic. G. E. Schuetz. No. 880,924; Mar. 3; Sp. p. 890; Dr. p. 192; Gaz. vol. 133; p. 150.
- Draft-coupling. H. M. Trankle, F. B. Woodard, and S. Peterson. No. 896,775; Aug. 25; Sp. p. 3979; Dr. p. 856; Gaz. vol. 135; p. 1615.
- Draft-equalizer. W. R. Campbell. No. 876,942; Jan. 21; Sp. p. 2578; Dr. p. 562; Gaz. vol. 132; p. 488.
- Draft-equalizer. J. Van Matre. No. 878,027; Feb. 4; Sp. p. 279; Dr. p. 60; Gaz. vol. 132; p. 893.
- Draft-equalizer. C. P. Dyar. No. 878,873; Feb. 11; Sp. p. 2050; Dr. p. 425; Gaz. vol. 132; p. 1204.
- Draft-equalizer. L. W. Rauch. No. 879,001; Feb. 11; Sp. p. 2293; Dr. p. 478; Gaz. vol. 132; p. 1244.
- Draft-equalizer. C. M. Loflin. No. 880,804; Mar. 3; Sp. p. 639; Dr. p. 134; Gaz. vol. 133; p. 110.
- Draft-equalizer. C. Peres. No. 881,715; Mar. 10; Sp. p. 2441; Dr. p. 525; Gaz. vol. 133; p. 435.
- Draft-equalizer. F. Durgin. No. 883,298; Mar. 31; Sp. p. 5607; Dr. p. 1195; Gaz. vol. 133; p. 1044.
- Draft-equalizer. W. M. Wedeking and H. Jacob. No. 883,599; Mar. 31; Sp. p. 6220; Dr. p. 1326; Gaz. vol. 133; p. 1139.
- Draft-equalizer. C. J. Tobin. No. 884,542; Apr. 14; Sp. p. 1772; Dr. p. 381; Gaz. vol. 133; p. 1504.
- Draft-equalizer. G. Mosmeier. No. 884,602; Apr. 14; Sp. p. 1895; Dr. p. 406; Gaz. vol. 133; p. 1524.
- Draft-equalizer. A. Hines. No. 886,805; May 5; Sp. p. 970; Dr. p. 203; Gaz. vol. 134; p. 158.
- Draft-equalizer. J. O. Helgeson. No. 889,006; May 26; Sp. p. 5409; Dr. p. 1149; Gaz. vol. 134; p. 965.
- Draft-equalizer. H. L. and E. C. Litchfield. No. 891,087; June 16; Sp. p. 3843; Dr. p. 840; Gaz. vol. 134; p. 1733.
- Draft-equalizer. J. Siemens. No. 903,330; Nov. 10; Sp. p. 1582; Gaz. vol. 137; p. 292.
- Draft-equalizer. H. Watson. No. 903,346; Nov. 10; Sp. p. 1619; Gaz. vol. 137; p. 296.
- Draft-equalizer. S. E. Bailor. No. 905,133; Dec. 1; Sp. p. 14; Gaz. vol. 137; p. 986.
- Draft-equalizer. R. P. Harriman. No. 906,014; Dec. 8; Sp. p. 1774; Gaz. vol. 137; p. 1305.
- Draft-equalizer. W. E. Royce. No. 906,298; Dec. 8; Sp. p. 2324; Gaz. vol. 137; p. 1399.
- Draft-equalizer. H. H. Dunnihoo. No. 907,015; Dec. 15; Sp. p. 3651; Gaz. vol. 137; p. 1650.
- Draft-elevator. J. D. Burgess. No. 891,403; June 23; Sp. p. 4506; Dr. p. 980; Gaz. vol. 134; p. 1869.
- Draft-elevator. H. and J. H. Thiedemann. No. 900,897; Oct. 13; Sp. p. 1759; Dr. p. 357; Gaz. vol. 136; p. 1370.
- Draft-gear. H. T. Krakau. No. 900,024; Sept. 29; Sp. p. 5562; Dr. pp. 1185-6; Gaz. vol. 136; p. 1028.
- Draft-gear. H. T. Krakau. No. 900,027; Sept. 29; Sp. p. 5568; Dr. pp. 1188-90; Gaz. vol. 136; p. 1029.
- Draft-gear. W. M. Pond. No. 905,360; Dec. 1; Sp. p. 465; Gaz. vol. 137; p. 1061.
- Draft-gear and buffing mechanism. H. T. Krakau. No. 900,023; Sept. 29; Sp. p. 5559; Dr. pp. 1184-5; Gaz. vol. 136; p. 1027.
- Draft-gear, Radial. H. T. Krakau. No. 900,022; Sept. 29; Sp. p. 5558; Dr. p. 1184; Gaz. vol. 136; p. 1027.
- Draft-gear, Radial. H. T. Krakau. No. 900,025; Sept. 29; Sp. p. 5563; Dr. pp. 1186-7; Gaz. vol. 136; p. 1028.
- Draft-gear, Radial. H. T. Krakau. No. 900,026; Sept. 29; Sp. p. 5565; Dr. pp. 1187-8; Gaz. vol. 136; p. 1028.
- Draft-regulator. E. Capper. No. 907,968; Dec. 29; Sp. p. 5653; Gaz. vol. 137; p. 2031.
- Draft regulator and ventilator. J. W. Naxon. No. 877,364; Jan. 21; Sp. p. 3446; Dr. p. 748; Gaz. vol. 132; p. 628.
- Draft-regulator, Automatic. H. J. Westover. No. 881,272; Mar. 10; Sp. p. 1558; Dr. pp. 334-5; Gaz. vol. 133; p. 293.
- Draft-regulator, Automatic. J. J. McKernan. No. 894,686; July 28; Sp. p. 4807; Dr. p. 998; Gaz. vol. 135; p. 838.
- Draft-regulator, Automatic. S. Ellis. No. 907,480; Dec. 22; Sp. p. 4613; Gaz. vol. 137; p. 1842.
- Draft-rigging. D. A. Hitchcock. No. 884,585; Apr. 14; Sp. p. 1851; Dr. pp. 397-8; Gaz. vol. 133; p. 1518.
- Draft-rigging. F. Jerdone, Jr. No. 887,330; May 12; Sp. p. 2033; Dr. pp. 425-6; Gaz. vol. 134; p. 356.
- Draft-rigging. W. D. Lowry. No. 902,242; Oct. 27; Sp. p. 4536; Dr. p. 919; Gaz. vol. 136; p. 1873.
- Draft-rigging. A. C. Mather. No. 906,643; Dec. 15; Sp. p. 2950; Gaz. vol. 137; p. 1533.
- Draft-rigging, Bumper-beam. E. C. Washburn. No. 883,677; Mar. 31; Sp. p. 6383; Dr. p. 1361; Gaz. vol. 133; p. 1164.
- Draft-timber protector. A. P. Nordeen. No. 899,554; Sept. 29; Sp. p. 4569; Dr. p. 982; Gaz. vol. 136; p. 875.
- Draft-timber reinforcement. W. W. Decker. No. 905,152; Dec. 1; Sp. p. 55; Gaz. vol. 137; p. 992.
- Draft-tube. H. A. Maxwell. No. 886,386; May 5; Sp. p. 87; Dr. p. 18; Gaz. vol. 134; p. 19.
- Drafting device. R. D. Watson. No. 881,981; Mar. 17; Sp. p. 2994; Dr. p. 639; Gaz. vol. 133; p. 551.
- Drafting instrument. W. E. Horrocks. No. 880,796; Mar. 3; Sp. p. 619; Dr. p. 131; Gaz. vol. 133; p. 107.
- Drafting instrument. V. Higgins, E. W. Davis, and F. H. Atkinson. No. 888,709; May 26; Sp. p. 4789; Dr. p. 1020; Gaz. vol. 134; p. 869.
- Drafting instrument. F. C. Flynt. No. 890,040; June 9; Sp. p. 1705; Dr. p. 378; Gaz. vol. 134; p. 1359.
- Drafting instrument. W. Langstroth. No. 891,777; June 23; Sp. p. 5261; Dr. p. 1139; Gaz. vol. 134; p. 1994.
- Drafting-instrument. L. R. Loughborough. No. 893,085; July 14; Sp. p. 1407; Dr. p. 297; Gaz. vol. 135; p. 261.
- Drafting instrument, Circle-. C. L. Nichols and R. Hogan. No. 884,844; Apr. 14; Sp. p. 2431; Dr. p. 510; Gaz. vol. 133; p. 1606.
- Drafting instrument, Garment-pattern-. G. V. Valentine. No. 887,890; May 19; Sp. p. 3169; Dr. p. 666; Gaz. vol. 134; p. 571.
- Drafting-tool. C. H. Robins. No. 903,779; Nov. 10; Sp. p. 2487; Gaz. vol. 137; p. 435.
- Drag and harrow, Road. H. D. Guffey. No. 888,609; May 26; Sp. p. 4585; Dr. p. 972; Gaz. vol. 134; p. 838.
- Drag and scraper, Road. D. McDaniel. No. 883,332; Mar. 31; Sp. p. 5659; Dr. p. 1208; Gaz. vol. 133; p. 1054.
- Drag, Road-. C. J. Carlson. No. 880,970; Mar. 3; Sp. p. 972; Dr. p. 210; Gaz. vol. 133; p. 164.
- Drag, Road-. F. H. and F. S. Beach. No. 884,352; Apr. 14; Sp. p. 1389; Dr. p. 297; Gaz. vol. 133; p. 1441.
- Drag, Road-. F. E. Ott. No. 886,067; Apr. 28; Sp. p. 4948; Dr. p. 1040; Gaz. vol. 133; p. 2062.
- Drag, Road-. H. J. See. No. 891,569; June 23; Sp. p. 4833; Dr. pp. 1042-3; Gaz. vol. 134; p. 1922.
- Drag, Road-. F. E. Ott. No. 893,259; July 14; Sp. p. 1761; Dr. p. 371; Gaz. vol. 135; p. 317.
- Drag, Road-. F. E. Ott. No. 899,798; Sept. 29; Sp. p. 5091; Dr. p. 1098; Gaz. vol. 136; p. 955.
- Drag, Rotary soil-. C. W. Barzee. No. 881,289; Mar. 10; Sp. p. 1603; Dr. p. 343; Gaz. vol. 133; p. 299.
- Drain. A. F. Denler. No. 883,629; Mar. 31; Sp. p. 6278; Dr. p. 1339; Gaz. vol. 133; p. 1149.
- Drain and backwater trap, Floor-. W. Weiler. No. 902,030; Oct. 27; Sp. p. 4117; Dr. p. 833; Gaz. vol. 136; p. 1806.
- Drain-board bracket. A. Sheret. No. 899,337; Sept. 22; Sp. p. 4138; Dr. p. 886; Gaz. vol. 136; p. 768.
- Drain-inlet guard. A. J. Shepard. No. 899,568; Sept. 29; Sp. p. 4596; Dr. p. 987; Gaz. vol. 136; p. 880.
- Drain inlet, Tile-. H. N. Neireiter. No. 902,104; Oct. 27; Sp. p. 4257; Dr. p. 863; Gaz. vol. 136; p. 1829.
- Drains, Animal-stop for. A. J. Shepard. No. 891,012; June 16; Sp. p. 3717; Dr. p. 811; Gaz. vol. 134; p. 1710.
- Drainage-fitting. F. B. Morton. (Reissue). No. 12,741; Jan. 21; Sp. p. 3658; Dr. p. 793; Gaz. vol. 132; p. 664.

Alphabetical list of inventions—Continued.

- Drainage system. K. Filskow. No. 898,205; Sept. 8; Sp. p. 1973; Dr. p. 421; Gaz. vol. 136; p. 342.
- Draping-machine. S. S. Sencenbaugh. No. 889,406; June 2; Sp. p. 435; Dr. p. 103; Gaz. vol. 134; p. 1127.
- Draw-bar. E. Rolin. No. 904,727; Nov. 24; Sp. p. 4511; Gaz. vol. 137; p. 816.
- Draw-bar. W. Graham. No. 904,865; Nov. 24; Sp. p. 4820; Gaz. vol. 137; p. 862.
- Draw-bar-centering device. F. S. Gallagher. No. 900,996; Oct. 13; Sp. p. 1967; Dr. p. 400; Gaz. vol. 136; p. 1404.
- Draw-bar, Slack-adjusting. E. Ryan. No. 906,563; Dec. 15; Sp. p. 2802; Gaz. vol. 137; p. 1508.
- Draw-bench. L. W. Noyes and D. R. Scholes. No. 897,922; Sept. 8; Sp. p. 1405; Dr. pp. 299-300; Gaz. vol. 136; p. 253.
- Draw-gage and cutter. N. Hughes. No. 896,385; Aug. 18; Sp. p. 3198; Dr. p. 685; Gaz. vol. 135; p. 1465.
- Draw-jack. E. B. Tarr. No. 879,692; Feb. 18; Sp. p. 3709; Dr. pp. 777-8; Gaz. vol. 132; p. 1510.
- Drawer alarm, Money-. S. D. Newman. No. 884,843; Apr. 14; Sp. p. 2430; Dr. p. 509; Gaz. vol. 133; p. 1606.
- Drawer and drawer-support. H. B. Starrett. No. 879,690; Feb. 18; Sp. p. 3707; Dr. pp. 776-7; Gaz. vol. 132; p. 1509.
- Drawer and locking device therefor, Money-. E. E. Crone. No. 907,223; Dec. 22; Sp. p. 4088; Gaz. vol. 137; p. 1753.
- Drawer attachment. P. Erickson. No. 876,159; Jan. 7; Sp. p. 921; Dr. p. 199; Gaz. vol. 132; p. 157.
- Drawer-carrier. G. Boydelatour. No. 884,457; Apr. 14; Sp. p. 1592; Dr. p. 343; Gaz. vol. 133; p. 1477.
- Drawer for cabinets, &c. E. A. Ekedahl and E. G. Sampson. No. 884,476; Apr. 14; Sp. p. 1630; Dr. p. 351; Gaz. vol. 133; p. 1483.
- Drawer, Furniture-. W. Grattan. No. 884,727; Apr. 14; Sp. p. 2176; Dr. p. 461; Gaz. vol. 133; p. 1567.
- Drawer-guide. G. R. Ross. No. 879,982; Feb. 25; Sp. p. 4329; Dr. p. 906; Gaz. vol. 132; p. 1638.
- Drawer, Money-. G. Therrien. No. 883,676; Mar. 31; Sp. p. 6380; Dr. pp. 1360-1; Gaz. vol. 133; p. 1163.
- Drawer, Rotary. G. A. and G. A. Stromgren. No. 898,153; Sept. 8; Sp. p. 1876; Dr. p. 401; Gaz. vol. 136; p. 326.
- Drawer, Self-closing. V. A. De Canio. No. 886,192; Apr. 28; Sp. p. 5183; Dr. p. 1091; Gaz. vol. 133; p. 2102.
- Drawer, Spring-. W. Lambert and E. P. Dopps. No. 905,544; Dec. 1; Sp. p. 880; Gaz. vol. 137; p. 1124.
- Drawer-stop-inserting device. H. H. Borgerding. No. 877,165; Jan. 21; Sp. p. 3052; Dr. p. 661; Gaz. vol. 132; p. 563.
- Drawer-stop-inserting machine. H. H. Borgerding. No. 877,166; Jan. 21; Sp. p. 3054; Dr. p. 661; Gaz. vol. 132; p. 564.
- Drawers. M. Galland. No. 888,232; May 19; Sp. p. 3805; Dr. p. 799; Gaz. vol. 134; p. 681.
- Drawers. E. S. Bartram. No. 899,500; Sept. 29; Sp. p. 4446; Dr. p. 954; Gaz. vol. 136; p. 857.
- Drawers. J. Greenwald. No. 907,593; Dec. 22; Sp. p. 4841; Gaz. vol. 137; p. 1879.
- Drawers adjuster and supporter. E. H. Wood. No. 902,460; Oct. 27; Sp. p. 5013; Dr. p. 1013; Gaz. vol. 136; p. 1946.
- Drawers, Catamenial. F. Guttman. No. 876,173; Jan. 7; Sp. p. 946; Dr. p. 204; Gaz. vol. 132; p. 161.
- Drawers for cabinets, &c., Suspension for. J. D. Ripson and E. G. Sampson. No. 884,526; Apr. 14; Sp. p. 1736; Dr. p. 372; Gaz. vol. 133; p. 1499.
- Drawers, Man's. G. M. Harsh. No. 908,257; Dec. 29; Sp. p. 6269; Gaz. vol. 137; p. 2129.
- Drawers of cabinets, &c., Support for. J. D. Ripson and E. G. Sampson. No. 884,525; Apr. 14; Sp. p. 1734; Dr. p. 372; Gaz. vol. 133; p. 1498.
- Drawers-supporter. E. H. Humphrey. No. 902,407; Oct. 27; Sp. p. 4880; Dr. p. 988; Gaz. vol. 136; p. 1928.
- Drawing-board. W. F. Wagner. No. 889,072; May 26; Sp. p. 5519; Dr. p. 1173; Gaz. vol. 134; p. 987.
- Drawing-board, Adjustable. W. Zörnisch. No. 881,276; Mar. 10; Sp. p. 1577; Dr. p. 337; Gaz. vol. 133; p. 294.
- Drawing-board and drafting device. N. White. No. 883,994; Apr. 7; Sp. p. 664; Dr. pp. 133-4; Gaz. vol. 133; p. 1298.
- Drawing-board attachment. A. J. Bechtold, Jr. No. 906,604; Dec. 15; Sp. p. 2877; Gaz. vol. 137; p. 1521.
- Drawing-frames, Sliver-evening mechanism for. V. S. Westcott and F. W. Potter. No. 884,442; Apr. 14; Sp. p. 1566; Dr. p. 337; Gaz. vol. 133; p. 1472.
- Drawing-frames, Sliver-evening mechanism for. E. C. Smith. No. 887,280; May 12; Sp. p. 1902; Dr. pp. 403-4; Gaz. vol. 134; p. 337.
- Drawing-frames, Sliver-evening mechanism for. E. C. Smith. No. 887,281; May 12; Sp. p. 1906; Dr. pp. 404-5; Gaz. vol. 134; p. 338.
- Drawing instrument. W. O. Beere. No. 890,257; June 9; Sp. p. 2137; Dr. p. 468; Gaz. vol. 134; p. 1430.
- Drawing instrument or attachment for such instruments. K. J. Berglund. No. 891,810; June 30; Sp. p. 5358; Dr. p. 1159; Gaz. vol. 134; p. 2035.
- Drawing perspective views, Apparatus for. E. Meyer. No. 888,249; May 19; Sp. p. 3837; Dr. p. 806; Gaz. vol. 134; p. 687.
- Drawing-press. H. J. Hinde. No. 883,021; Mar. 24; Sp. p. 5029; Dr. p. 1070; Gaz. vol. 133; p. 923.
- Drawing-press. P. M. H. Lange. No. 883,813; Apr. 7; Sp. p. 279; Dr. pp. 50-1; Gaz. vol. 133; p. 1237.
- Drawing-press. L. C. Sharp. No. 889,155; May 26; Sp. p. 5719; Dr. p. 1210; Gaz. vol. 134; p. 1014.
- Drawing-rolls, Top-roll clearer for. J. F. Reed. No. 903,885; Nov. 17; Sp. p. 2735; Gaz. vol. 137; p. 504.
- Drawing-table. L. Forsyth. No. 879,620; Feb. 18; Sp. p. 3569; Dr. p. 747; Gaz. vol. 132; p. 1486.
- Drawings, Apparatus for enlarging or reducing. E. O. Lieghley. No. 883,895; Apr. 7; Sp. p. 457; Dr. p. 90; Gaz. vol. 133; p. 1264.
- Dredge. E. J. Bevan. No. 886,343; May 5; Sp. p. 12; Dr. p. 3; Gaz. vol. 134; p. 5.
- Dredge. G. W. King. No. 890,773; June 16; Sp. p. 3222; Dr. pp. 704-5; Gaz. vol. 134; p. 1632.
- Dredge. C. C. Jacobs. No. 890,909; June 16; Sp. p. 3482; Dr. p. 763; Gaz. vol. 134; p. 1674.
- Dredge. J. C. Carter. No. 900,263; Oct. 6; Sp. p. 412; Dr. pp. 83-4; Gaz. vol. 136; p. 1136.
- Dredge-bucket. S. L. G. Knox. No. 877,345; Jan. 21; Sp. p. 3407; Dr. p. 739; Gaz. vol. 132; p. 622.
- Dredge-bucket joint. A. T. Fraser. No. 878,517; Feb. 11; Sp. p. 1335; Dr. p. 270; Gaz. vol. 132; p. 1087.
- Dredge or the like, Suction-. F. H. Jackson. No. 906,234; Dec. 8; Sp. p. 2204; Gaz. vol. 137; p. 1377.
- Dredge, Siphonic. W. J. Moninghoff. No. 886,390; May 5; Sp. p. 96; Dr. p. 20; Gaz. vol. 134; p. 21.
- Dredge, Suction-. C. N. Newcomb. No. 887,506; May 12; Sp. p. 2409; Dr. p. 507; Gaz. vol. 134; p. 414.
- Dredges, Dumping mechanism for dipper-. W. Clifford and W. Ferris. No. 889,202; June 2; Sp. p. 25; Dr. pp. 6-7; Gaz. vol. 134; p. 1062.
- Dredges or dredging-chains, Pin for. W. Brinton. No. 882,138; Mar. 17; Sp. p. 3301; Dr. p. 704; Gaz. vol. 133; p. 602.
- Dredger and scraper. C. H. Gunn. No. 876,634; Jan. 14; Sp. p. 1966; Dr. p. 428; Gaz. vol. 132; p. 349.
- Dredger-cutter. A. Lkiewicz. No. 903,210; Nov. 10; Sp. p. 1356; Gaz. vol. 137; p. 252.
- Dredgers, Means for advancing. R. M. Wilson. No. 879,345; Feb. 18; Sp. p. 2960; Dr. p. 618; Gaz. vol. 132; p. 1397.
- Dredging apparatus. S. Lake. No. 885,930; Apr. 28; Sp. p. 4661; Dr. pp. 982-3; Gaz. vol. 133; p. 2017.
- Dredging apparatus. D. P. Moore. No. 890,245; June 9; Sp. p. 2116; Dr. p. 464; Gaz. vol. 134; p. 1427.
- Dredging apparatus. H. S. Taft and U. Thompson, Jr. No. 890,470; June 9; Sp. p. 2553; Dr. pp. 565-7; Gaz. vol. 134; p. 1497.
- Dredging apparatus. R. E. S. Geare. No. 890,764; June 16; Sp. p. 3204; Dr. p. 700; Gaz. vol. 134; p. 1628.
- Dredging apparatus. D. P. Moore. No. 893,743; July 21; Sp. p. 2856; Dr. p. 586; Gaz. vol. 135; p. 507.
- Dredging-bucket and hoist for same, Triangular. C. H. Gunn. No. 878,526; Feb. 11; Sp. p. 1348; Dr. pp. 273-4; Gaz. vol. 132; p. 1090.
- Drenching-bit. E. Roberts. No. 887,524; May 12; Sp. p. 2444; Dr. p. 515; Gaz. vol. 134; p. 420.
- Drenching device. H. Riesland. No. 907,886; Dec. 29; Sp. p. 5474; Gaz. vol. 137; p. 2005.
- Dress-fastener. C. A. Gardiner. No. 901,164; Oct. 13; Sp. p. 2272; Dr. p. 463; Gaz. vol. 136; p. 1456.
- Dress-form. I. Levin. No. 905,333; Dec. 1; Sp. p. 399; Gaz. vol. 137; p. 1052.
- Dress, girdles, &c., Safety-suit comprising articles of. N. M. Mathiesen. No. 895,480; Aug. 11; Sp. p. 1423; Dr. p. 297; Gaz. vol. 135; p. 1132.
- Dress-preserver or dress-shield. G. H. Sachsenröder. No. 885,530; Apr. 21; Sp. p. 3840; Dr. p. 802; Gaz. vol. 133; p. 1858.
- Dress-shield. D. Basch. No. 887,454; May 12; Sp. p. 2288; Dr. p. 480; Gaz. vol. 134; p. 396.
- Dress-shield. W. H. Simmons. No. 906,825; Dec. 15; Sp. p. 3296; Gaz. vol. 137; p. 1591.
- Dress-shield cover. M. L. McConn. No. 887,687; May 12; Sp. p. 2738; Dr. p. 579; Gaz. vol. 134; p. 473.
- Dressing-sack. L. M. Anderson. No. 894,096; July 21; Sp. p. 3579; Dr. p. 737; Gaz. vol. 135; p. 624.
- Drier: See Clothes-drier; Fruit and vegetable drier; Grain-drier; Hair-drier; Mechanical drier; Ore-drier; Pneumatic drier; Pulp-drier; Rotary vacuum-drier; Sand-drier; Shirt-drier; Steam-drier.
- Drier. H. J. Gerbsch. No. 875,704; Jan. 7; Sp. p. 49; Dr. p. 10; Gaz. vol. 132; p. 11.
- Drier. J. Weintz. No. 875,874; Jan. 7; Sp. p. 365; Dr. pp. 80-1; Gaz. vol. 132; p. 67.
- Drier. K. F. Snow. No. 879,206; Feb. 18; Sp. p. 2697; Dr. p. 563; Gaz. vol. 132; p. 1350.
- Drier. H. W. Rayner. No. 880,917; Mar. 3; Sp. p. 880; Dr. p. 190; Gaz. vol. 133; p. 147.
- Drier. K. F. Snow. No. 884,771; Apr. 14; Sp. p. 2275; Dr. p. 479; Gaz. vol. 133; p. 1582.
- Drier. P. W. Holstein. No. 889,009; May 26; Sp. p. 5414; Dr. p. 1151; Gaz. vol. 134; p. 966.
- Drier. W. A. Kōneman. No. 896,025; Aug. 11; Sp. p. 2501; Dr. p. 541; Gaz. vol. 135; p. 1328.
- Drier. F. G. Sargent. No. 901,191; Oct. 13; Sp. p. 2319; Dr. p. 475; Gaz. vol. 136; p. 1465.
- Drier. J. W. Bliss. No. 907,219; Dec. 22; Sp. p. 4081; Gaz. vol. 137; p. 1752.
- Drier. R. R. Waters. No. 907,925; Dec. 29; Sp. p. 5555; Gaz. vol. 137; p. 2017.
- Drier. J. P. Grupe. No. 907,993; Dec. 29; Sp. p. 5712; Gaz. vol. 137; p. 2040.
- Drier drain system. W. G. Clark. No. 896,055; Aug. 11; Sp. p. 2549; Dr. p. 553; Gaz. vol. 135; p. 1338.
- Dry battery. G. M. Wheeler and H. Wilhelm. No. 894,866; Aug. 4; Sp. p. 127; Dr. p. 28; Gaz. vol. 135; p. 922.
- Dry closet. E. L. Geisel. No. 881,918; Mar. 17; Sp. p. 2869; Dr. pp. 612-13; Gaz. vol. 133; p. 530.
- Dry closet. G. W. Albright. No. 890,832; June 16; Sp. p. 3336; Dr. p. 731; Gaz. vol. 134; p. 1651.
- Dry-kiln. J. R. Ripley. No. 877,736; Jan. 28; Sp. p. 4189; Dr. p. 908; Gaz. vol. 132; p. 770.
- Dry-kiln. A. J. Uphus. No. 890,944; June 16; Sp. p. 3568; Dr. pp. 778-9; Gaz. vol. 134; p. 1687.
- Dry-room conveyers, Dampening attachment for. W. Bartholomew. No. 877,824; Jan. 28; Sp. p. 4352; Dr. p. 945; Gaz. vol. 132; p. 797.

Alphabetical list of inventions—Continued.

- Drying and carbonizing kiln, Continuously-operating. R. Bock. No. 891,456; June 23; Sp. p. 4600; Dr. pp. 999-1000; Gaz. vol. 134; p. 1886.
- Drying and treating lumber. A. J. Uphus and N. J. Chapman. No. 903,635; Nov. 10; Sp. p. 2215; Gaz. vol. 137; p. 392.
- Drying apparatus. L. Mourgeon. No. 885,360; Apr. 21; Sp. p. 3494; Dr. p. 729; Gaz. vol. 133; p. 1805.
- Drying apparatus. C. B. Durvea. No. 887,317; May 12; Sp. p. 2012; Dr. p. 421; Gaz. vol. 134; p. 352.
- Drying apparatus. G. A. Cutter. No. 889,209; June 2; Sp. p. 37; Dr. p. 10; Gaz. vol. 134; p. 1064.
- Drying apparatus. J. A. McKee and G. R. Evans. No. 894,279; July 28; Sp. p. 3991; Dr. p. 823; Gaz. vol. 135; p. 704.
- Drying apparatus, Centrifugal. A. Neef. No. 901,184; Oct. 13; Sp. p. 2304; Dr. p. 471; Gaz. vol. 136; p. 1462.
- Drying apparatus, Conveyor for. E. Ufenast. No. 880,606; Mar. 3; Sp. p. 241; Dr. p. 50; Gaz. vol. 133; p. 42.
- Drying-apparatus feed mechanism. H. Baetz. No. 893,126; July 14; Sp. p. 1498; Dr. p. 316; Gaz. vol. 135; p. 275.
- Drying apparatus, Vacuum. E. Passburg. No. 888,257; May 19; Sp. p. 3849; Dr. p. 809; Gaz. vol. 134; p. 689.
- Drying, baking, and roasting apparatus. P. C. Donner. No. 895,077; Aug. 4; Sp. p. 600; Dr. pp. 124-5; Gaz. vol. 135; p. 994.
- Drying-box. M. E. Dejonge. No. 895,620; Aug. 11; Sp. p. 1691; Dr. pp. 357-8; Gaz. vol. 135; p. 1197.
- Drying-boxes, Conveyor for. M. E. Dejonge. No. 883,453; Mar. 31; Sp. p. 5946; Dr. p. 1268; Gaz. vol. 133; p. 1096.
- Drying-cylinder. W. M. Cummer. No. 876,440; Jan. 14; Sp. p. 1520; Dr. p. 326; Gaz. vol. 132; p. 280.
- Drying device. R. Woerner. No. 894,560; July 28; Sp. p. 4561; Dr. p. 945; Gaz. vol. 135; p. 797.
- Drying fabrics or fibrous material, Apparatus for. A. N. Marr. No. 877,938; Feb. 4; Sp. p. 86; Dr. pp. 18-20; Gaz. vol. 132; p. 863.
- Drying-kiln. C. H. Palmer. No. 892,298; June 30; Sp. p. 6304; Dr. p. 1358; Gaz. vol. 134; p. 2196.
- Drying-kiln. T. C. Morris. No. 901,811; Oct. 20; Sp. p. 3666; Dr. p. 743; Gaz. vol. 136; p. 1705.
- Drying-machine. T. Allsop and W. W. Sibson. No. 901,769; Oct. 20; Sp. p. 3584; Dr. p. 725; Gaz. vol. 136; p. 1692.
- Drying-machine. J. Black, A. H. H., and A. B. Lennox. No. 902,931; Nov. 3; Sp. p. 806; Gaz. vol. 137; p. 133.
- Drying-machine. J. C. Taliaferro. No. 903,620; Nov. 10; Sp. p. 2186; Gaz. vol. 137; p. 387.
- Drying-machine, Cylinder. J. A. Merrett. No. 883,729; Apr. 7; Sp. p. 100; Dr. pp. 16-17; Gaz. vol. 133; p. 1209.
- Drying-machine, Rotary. W. M. Schwartz. No. 892,901; July 7; Sp. p. 1030; Dr. pp. 215-16; Gaz. vol. 135; p. 171.
- Drying-machines, Conveying apparatus for. W. M. Schwartz and W. D. Palen. No. 877,801; Jan. 28; Sp. p. 4299; Dr. p. 933; Gaz. vol. 132; p. 790.
- Drying-room. L. Verna. No. 891,019; June 16; Sp. p. 3730; Dr. p. 814; Gaz. vol. 134; p. 1713.
- Drying sheet material, Machine for. C. E. Moss. No. 876,007; Jan. 7; Sp. p. 626; Dr. pp. 133-4; Gaz. vol. 132; p. 109.
- Drill: See Carving-drill; Coal and rock drill; Disk drill; Electropneumatic drill; Expansion-drill; Grain-drill; Hammer-drill; Miner's drill; Multiple drill; Pneumatic drill; Pneumatic and other drill; Prospecting-drill; Ratchet-drill; Rock-drill; Shaft-drill; Track-drill; Twist-drill; Well-drill.
- Drill. A. E. and J. W. Jennings. No. 877,892; Jan. 28; Sp. p. 4478; Dr. p. 976; Gaz. vol. 132; p. 819.
- Drill. J. F. Mitchell. No. 883,730; Apr. 7; Sp. p. 101; Dr. p. 17; Gaz. vol. 133; p. 1209.
- Drill. F. C. Palmer. No. 887,116; May 12; Sp. p. 1550; Dr. p. 328; Gaz. vol. 134; p. 284.
- Drill. W. R. Down. No. 896,280; Aug. 18; Sp. p. 2965; Dr. p. 639; Gaz. vol. 135; p. 1432.
- Drill. R. R. Hopkins. No. 901,005; Oct. 13; Sp. p. 1986; Dr. p. 404; Gaz. vol. 136; p. 1407.
- Drill. F. E. Snyder. No. 902,008; Oct. 27; Sp. p. 4072; Dr. pp. 826-7; Gaz. vol. 136; p. 1800.
- Drill. A. E. Jennings. No. 902,735; Nov. 3; Sp. p. 404; Gaz. vol. 137; p. 69.
- Drill. J. D. Tully. No. 907,540; Dec. 22; Sp. p. 4712; Gaz. vol. 137; p. 1861.
- Drill and auger gauge. G. E. Stanford. No. 884,233; Apr. 7; Sp. p. 1159; Dr. p. 245; Gaz. vol. 133; p. 1375.
- Drill and seeder. S. E. Davis. No. 898,562; Sept. 15; Sp. p. 2670; Dr. p. 571; Gaz. vol. 136; p. 490.
- Drill and socket therefor. H. Derrer. No. 895,244; Aug. 4; Sp. p. 956; Dr. p. 200; Gaz. vol. 135; p. 1052.
- Drill-arm, Radial. H. M. Norris. No. 883,118; Mar. 24; Sp. p. 5222; Dr. p. 1115; Gaz. vol. 133; p. 955.
- Drill attachment. W. H. Adams. No. 879,430; Feb. 18; Sp. p. 3160; Dr. pp. 657-8; Gaz. vol. 132; p. 1425.
- Drill attachment Post-. R. Valliant. No. 896,601; Aug. 18; Sp. p. 3621; Dr. p. 777; Gaz. vol. 135; p. 1537.
- Drill-bit. J. Patten and C. R. Barnett. No. 892,180; June 30; Sp. p. 6078; Dr. p. 1307; Gaz. vol. 134; p. 2156.
- Drill-bit. F. W. Parsons. No. 888,888; Sept. 8; Sp. p. 2305; Dr. p. 490; Gaz. vol. 136; p. 401.
- Drill-bit, Fluid-feed side-inlet. J. H. Wiest. No. 887,051; May 5; Sp. p. 1409; Dr. p. 299; Gaz. vol. 134; p. 234.
- Drill-boot. W. Houck. No. 880,323; Mar. 24; Sp. p. 5031; Dr. p. 1071; Gaz. vol. 133; p. 923.
- Drill-boring attachment. O. Osborne. No. 881,822; Mar. 10; Sp. p. 2639; Dr. p. 565; Gaz. vol. 133; p. 470.
- Drill-drift, Automatic. I. A. Weaver. No. 891,022; June 16; Sp. p. 3733; Dr. p. 815; Gaz. vol. 134; p. 1713.
- Drill driving-gearing, Upright-. A. E. Newton. No. 895,105; Aug. 4; Sp. p. 665; Dr. p. 139; Gaz. vol. 135; p. 1004.
- Drill-head and bit or cutter. M. Harsoeg. No. 884,150; Apr. 7; Sp. p. 1017; Dr. p. 213; Gaz. vol. 133; p. 1348.
- Drill-head and cutter-blade therefor. J. P. Karns. No. 883,137; Mar. 24; Sp. p. 5262; Dr. pp. 1123-4; Gaz. vol. 133; p. 962.
- Drill-jig. C. C. Cain, Jr. No. 907,735; Dec. 29; Sp. p. 5167; Gaz. vol. 137; p. 1954.
- Drill mechanism, Convertible. O. Arnold. No. 892,115; June 30; Sp. p. 5937; Dr. p. 1279; Gaz. vol. 134; p. 2134.
- Drill post, Coal-mining-. P. Rommes. No. 879,006; Feb. 11; Sp. p. 2299; Dr. p. 480; Gaz. vol. 132; p. 1245.
- Drill-press gearing. S. J. Morgan. No. 901,635; Oct. 20; Sp. p. 3278; Dr. pp. 672-3; Gaz. vol. 136; p. 1647.
- Drill-rest, Adjustable. J. F. Parker. No. 905,095; Nov. 24; Sp. p. 5267; Gaz. vol. 137; p. 938.
- Drill-rods and pipes, Holder for. S. L. Brannan. No. 881,659; Mar. 10; Sp. p. 2329; Dr. p. 504; Gaz. vol. 133; p. 418.
- Drill-rope coupling. W. W. Parmeter. No. 890,091; June 9; Sp. p. 1790; Dr. p. 396; Gaz. vol. 134; p. 1375.
- Drill-shears. C. W. Stewart. No. 908,350; Dec. 29; Sp. p. 6458; Gaz. vol. 137; p. 2162.
- Drill-socket. N. E. Woods. No. 894,250; July 28; Sp. p. 3917; Dr. p. 810; Gaz. vol. 135; p. 694.
- Drill-support. A. Ball. No. 887,301; May 12; Sp. p. 1967; Dr. p. 413; Gaz. vol. 134; p. 345.
- Drills, Ball-bearing water-head for diamond. R. E. Parker. No. 880,324; Feb. 25; Sp. p. 5012; Dr. p. 1057; Gaz. vol. 132; p. 1750.
- Drills, Grinding-tongs for spiral. O. Schöbe. No. 891,738; June 23; Sp. p. 5188; Dr. p. 1121; Gaz. vol. 134; p. 1979.
- Drills, Machine for manufacturing and sharpening star-bit. H. O. Palmer. No. 880,567; Mar. 3; Sp. p. 149; Dr. pp. 32-4; Gaz. vol. 133; p. 29.
- Drills, Making. L. Gregson. No. 879,631; Feb. 18; Sp. p. 3587; Dr. p. 751; Gaz. vol. 132; p. 1490.
- Drills or bits, Manufacture of. L. D. Brown. No. 894,589; July 28; Sp. p. 4608; Dr. p. 955; Gaz. vol. 135; p. 806.
- Drilling and nailing machine. H. Winter. No. 879,347; Feb. 18; Sp. p. 2964; Dr. pp. 618-19; Gaz. vol. 132; p. 1397.
- Drilling apparatus. G. R. Rich. No. 884,760; Apr. 14; Sp. p. 2250; Dr. p. 474; Gaz. vol. 133; p. 1578.
- Drilling apparatus. P. Repsold. No. 886,862; May 5; Sp. p. 1057; Dr. p. 222; Gaz. vol. 134; p. 174.
- Drilling apparatus, Core-. C. A. Terry. No. 877,528; Jan. 28; Sp. p. 3779; Dr. p. 818; Gaz. vol. 132; p. 703.
- Drilling apparatus, Core-. C. A. Terry. No. 904,161; Nov. 17; Sp. p. 3314; Gaz. vol. 137; p. 598.
- Drilling device, Hand. C. W. Skinner. No. 893,667; July 21; Sp. p. 2626; Dr. pp. 549-50; Gaz. vol. 135; p. 481.
- Drilling-machine. T. Larsson. No. 877,572; Jan. 28; Sp. p. 3875; Dr. pp. 839-40; Gaz. vol. 132; p. 717.
- Drilling-machine. A. Walker. No. 877,749; Jan. 28; Sp. p. 4213; Dr. p. 913; Gaz. vol. 132; p. 774.
- Drilling-machine. B. Hastings. No. 880,140; Feb. 25; Sp. p. 4644; Dr. p. 980; Gaz. vol. 132; p. 1689.
- Drilling-machine. G. A. Seib and I. A. Weston. No. 884,529; Apr. 14; Sp. p. 1743; Dr. p. 375; Gaz. vol. 133; p. 1499.
- Drilling-machine. D. A. Moore. No. 885,945; Apr. 28; Sp. p. 4698; Dr. p. 989; Gaz. vol. 133; p. 2023.
- Drilling-machine. B. F. Barnes. No. 887,909; May 19; Sp. p. 3205; Dr. p. 674; Gaz. vol. 134; p. 577.
- Drilling-machine. M. E. Spears. No. 892,459; July 7; Sp. p. 137; Dr. p. 29; Gaz. vol. 135; p. 27.
- Drilling-machine. J. P. Karns. No. 892,849; July 7; Sp. p. 907; Dr. pp. 193-4; Gaz. vol. 135; p. 153.
- Drilling-machine. W. J. Keegan. No. 901,106; Oct. 13; Sp. p. 2175; Dr. p. 442; Gaz. vol. 136; p. 1437.
- Drilling-machine chuck, Rock-. L. C. Bayles. No. 903,948; Nov. 17; Sp. p. 2878; Gaz. vol. 137; p. 525.
- Drilling-machine, Multiple. F. E. Bocorselski. No. 875,979; Jan. 7; Sp. p. 570; Dr. p. 123; Gaz. vol. 132; p. 100.
- Drilling-machines and the like, Centering apparatus for portable. E. Burckhardt. No. 879,142; Feb. 18; Sp. p. 2578; Dr. p. 537; Gaz. vol. 132; p. 1330.
- Drilling-machines, Drill-stem clamp for rotary. H. R. Decker. No. 899,208; Sept. 22; Sp. p. 3887; Dr. p. 830; Gaz. vol. 136; p. 728.
- Drinking-fount for live stock. H. B. Talley. No. 901,048; Oct. 13; Sp. p. 2064; Dr. p. 419; Gaz. vol. 136; p. 1420.
- Drinking-fountain. J. R. Selzer. No. 891,190; June 16; Sp. p. 4030; Dr. p. 883; Gaz. vol. 134; p. 1765.
- Drinking-fountain. R. Partington. No. 902,997; Nov. 3; Sp. p. 943; Gaz. vol. 137; p. 155.
- Drinking-fountain, Stock and poultry. E. E. Norquist. No. 899,128; Sept. 22; Sp. p. 3717; Dr. p. 796; Gaz. vol. 136; p. 701.
- Drinking-trough. M. Brown. No. 894,312; July 28; Sp. p. 4060; Dr. p. 838; Gaz. vol. 135; p. 715.
- Drinking vessel. E. Friedlich. No. 882,378; Mar. 17; Sp. p. 3766; Dr. p. 803; Gaz. vol. 133; p. 679.
- Drinks or beverages, Apparatus for the supply of. J. Meyer. No. 893,343; July 14; Sp. p. 1918; Dr. pp. 401-2; Gaz. vol. 135; p. 345.
- Driven wheel. J. T. Moore and W. J. Fleming. No. 906,445; Dec. 8; Sp. p. 2586; Gaz. vol. 137; p. 1445.
- Driving and driven members, Safety-coupling for. F. H. French. No. 902,527; Oct. 27; Sp. p. 5182; Dr. p. 1047; Gaz. vol. 136; p. 1970.
- Driving-bit. J. S. Bristol. No. 895,419; Aug. 11; Sp. p. 1294; Dr. p. 271; Gaz. vol. 135; p. 1132.
- Driving-gear. W. A. Buettner and A. Shelburne. No. 892,932; July 7; Sp. p. 1094; Dr. p. 230; Gaz. vol. 135; p. 181.
- Driving-gear, Frictional. D. M. Broughton. No. 885,684; Apr. 21; Sp. p. 4135; Dr. pp. 865-6; Gaz. vol. 133; p. 1906.

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- Driving-head. F. P. Freeman. No. 891,157; June 16; Sp. p. 3958; Dr. p. 868; Gaz. vol. 134; p. 1754.
 Driving mechanism. E. R. Halsey. No. 880,732; Mar. 3; Sp. p. 484; Dr. pp. 102-3; Gaz. vol. 133; p. 85.
 Driving mechanism. G. W. Euker. No. 890,630; June 16; Sp. p. 2918; Dr. p. 639; Gaz. vol. 134; p. 1584.
 Driving mechanism. H. R. Wellman. No. 890,739; June 16; Sp. p. 3152; Dr. pp. 690-1; Gaz. vol. 134; p. 1619.
 Driving mechanism. G. W. Morris. No. 892,539; July 7; Sp. p. 284; Dr. p. 62; Gaz. vol. 135; p. 53.
 Driving mechanism. H. J. Gilbert. No. 897,826; Sept. 1; Sp. p. 1189; Dr. p. 252; Gaz. vol. 136; p. 189.
 Driving mechanism, Flexible. W. Dalton. No. 902,523; Oct. 27; Sp. p. 5162; Dr. p. 1045; Gaz. vol. 136; p. 1969.
 Driving mechanism, Friction-clutch. J. A. Firsching. No. 878,458; Feb. 4; Sp. p. 1127; Dr. p. 231; Gaz. vol. 132; p. 1034.
 Driving mechanism, Variable-speed. R. M. Ruck. No. 882,968; Mar. 24; Sp. p. 4931; Dr. p. 1047; Gaz. vol. 133; p. 907.
 Driving mechanism, Variable-speed. A. W. Whitcomb. No. 885,207; Apr. 21; Sp. p. 3186; Dr. p. 666; Gaz. vol. 133; p. 1754.
 Driving mechanism, Variable-speed. H. M. Norris. No. 897,861; Sept. 1; Sp. p. 1269; Dr. p. 271; Gaz. vol. 136; p. 200.
 Driving mechanism, Variable-speed. M. E. Vaughn. No. 900,450; Oct. 6; Sp. p. 813; Dr. p. 167; Gaz. vol. 136; p. 1198.
 Driving-wheel and gear-rim connection. G. L. Wall. No. 884,693; Apr. 14; Sp. p. 2104; Dr. p. 449; Gaz. vol. 133; p. 1555.
 Drop-head table and cabinet. L. Kiesler. No. 906,896; Dec. 15; Sp. p. 3444; Gaz. vol. 137; p. 1614.
 Drop-light fixture and the like. A. C. Davidson. No. 879,247; Feb. 18; Sp. p. 2772; Dr. p. 581; Gaz. vol. 132; p. 1364.
 Dropper: See Fertilizer-dropper; Medicine-dropper; Planter and fertilizer-dropper; Seed-dropper.
 Dropper. B. W. Phelps and E. C. Glines. No. 878,668; Feb. 11; Sp. p. 1661; Dr. p. 342; Gaz. vol. 132; p. 1139.
 Dropper. E. C. Glines. No. 903,467; Nov. 10; Sp. p. 1865; Gaz. vol. 137; p. 337.
 Drum. A. D. Converse. No. 877,830; Jan. 28; Sp. p. 4362; Dr. p. 948; Gaz. vol. 132; p. 799.
 Drum. F. Cipar. No. 881,109; Mar. 10; Sp. p. 1230; Dr. p. 265; Gaz. vol. 133; p. 239.
 Drum. A. D. Converse. No. 888,312; May 19; Sp. p. 3956; Dr. p. 833; Gaz. vol. 134; p. 706.
 Drum. A. D. Converse. No. 889,762; June 2; Sp. p. 1119; Dr. p. 260; Gaz. vol. 134; p. 1239.
 Drum. A. D. Converse. No. 891,146; June 16; Sp. p. 3939; Dr. p. 862; Gaz. vol. 134; p. 1751.
 Drum. G. Wilken. No. 891,315; June 23; Sp. p. 4318; Dr. p. 942; Gaz. vol. 134; p. 1840.
 Drum attachment. A. C. Ludington. No. 889,702; June 2; Sp. p. 1011; Dr. p. 233; Gaz. vol. 134; p. 1221.
 Drum, Bass. G. W. Britton. No. 886,471; May 5; Sp. p. 261; Dr. p. 55; Gaz. vol. 134; p. 48.
 Drum beater, Bass-. L. A. Mueller. No. 890,161; June 9; Sp. p. 1941; Dr. p. 428; Gaz. vol. 134; p. 1399.
 Drum-beating apparatus. E. E. Pettigell. No. 902,444; Oct. 27; Sp. p. 4974; Dr. p. 1005; Gaz. vol. 136; p. 1941.
 Drum-controller. H. J. Wiegand. No. 904,906; Nov. 24; Sp. p. 4898; Gaz. vol. 137; p. 875.
 Drum-cylinder motor. J. E. Smith. No. 899,341; Sept. 22; Sp. p. 4147; Dr. pp. 887-8; Gaz. vol. 136; p. 769.
 Drum, Heating-. I. Fawcett. No. 880,644; Mar. 3; Sp. p. 310; Dr. p. 68; Gaz. vol. 133; p. 55.
 Drum, Heating-. G. Halley. No. 885,470; Apr. 21; Sp. p. 3695; Dr. p. 776; Gaz. vol. 133; p. 1839.
 Drum, Heating-. A. B. Fullerton. No. 895,550; Aug. 11; Sp. p. 1557; Dr. p. 329; Gaz. vol. 135; p. 1175.
 Drum, Heating-. A. W. Wickham. No. 895,926; Aug. 11; Sp. p. 2293; Dr. p. 489; Gaz. vol. 135; p. 1295.
 Drum, Hoisting-. A. E. Holcomb. No. 903,819; Nov. 10; Sp. p. 2572; Gaz. vol. 137; p. 449.
 Drum-muffler. J. T. Shawan. No. 907,901; Dec. 29; Sp. p. 5509; Gaz. vol. 137; p. 2009.
 Drum muffler, Snare-. G. A. Smith. No. 889,053; May 26; Sp. p. 5487; Dr. p. 1167; Gaz. vol. 134; p. 981.
 Drum, Musical. T. Hemberger. No. 899,488; Sept. 22; Sp. p. 4409; Dr. p. 946; Gaz. vol. 136; p. 817.
 Drum, Rotating. R. F. Abbe. No. 881,171; Mar. 10; Sp. p. 1351; Dr. p. 291; Gaz. vol. 133; p. 260.
 Drum, Snare-. V. Platz, Jr. No. 889,331; June 2; Sp. p. 268; Dr. p. 66; Gaz. vol. 134; p. 1101.
 Drum-stand. E. F. Howe. No. 891,479; June 23; Sp. p. 4556; Dr. p. 1009; Gaz. vol. 134; p. 1894.
 Drum, Stovepipe-. L. J. B. Schnug. No. 898,932; Sept. 15; Sp. p. 3352; Dr. pp. 719-20; Gaz. vol. 136; p. 610.
 Drum-trap. F. Ayres. No. 880,436; Feb. 25; Sp. p. 5252; Dr. p. 1104; Gaz. vol. 132; p. 1788.
 Drum-trap. W. A. Reid. No. 882,209; Mar. 17; Sp. p. 3445; Dr. p. 733; Gaz. vol. 133; p. 623.
 Drums and the like. Skin substitute for heads of. C. Poland. No. 892,855; July 7; Sp. p. 995; Dr. p. 208; Gaz. vol. 135; p. 165.
 Drums, Construction of. C. Poland. No. 887,016; May 5; Sp. p. 1347; Dr. p. 285; Gaz. vol. 134; p. 224.
 Drums or other musical instruments, Snare for. T. Hemberger. No. 899,450; Sept. 22; Sp. p. 4336; Dr. p. 931; Gaz. vol. 136; p. 804.
 Dumb-bell for physical exercises. G. Nohl. No. 881,438; Mar. 10; Sp. p. 1882; Dr. p. 409; Gaz. vol. 133; p. 345.
 Dumb-waiter for boots and the like. H. A. Brugger. No. 880,625; Mar. 3; Sp. p. 279; Dr. pp. 59-60; Gaz. vol. 133; p. 49.
 Dummy for military practice. B. R. Dietz. No. 906,392; Dec. 8; Sp. p. 2464; Gaz. vol. 137; p. 1427.
 Dump and elevator. D. Houghton. No. 876,056; Jan. 7; Sp. p. 710; Dr. pp. 152-3; Gaz. vol. 132; p. 123.
 Dump and hopper, Combination. T. Carroll. No. 876,896; Jan. 14; Sp. p. 2455; Dr. p. 536; Gaz. vol. 132; p. 432.
 Dump, Animal-. J. F. and R. L. Plummer. No. 892,081; June 30; Sp. p. 5875; Dr. p. 1265; Gaz. vol. 134; p. 2123.
 Dumping apparatus. H. L. Allen. No. 891,517; June 23; Sp. p. 4735; Dr. p. 1025; Gaz. vol. 134; p. 1906.
 Dumping-box. J. F. Delaney. No. 892,140; June 30; Sp. p. 5993; Dr. p. 1288; Gaz. vol. 134; p. 2142.
 Dumping device. G. A. Rakowsky. No. 899,682; Sept. 29; Sp. p. 4827; Dr. pp. 1033-4; Gaz. vol. 136; p. 915.
 Dumping device, Automatic. J. W. Weaver. No. 888,434; May 19; Sp. p. 4216; Dr. p. 894; Gaz. vol. 134; p. 747.
 Dumping mechanism for excavating-buckets. C. C. Jacobs. No. 906,139; Dec. 8; Sp. p. 2011; Gaz. vol. 137; p. 1344.
 Dumping-pan. T. Watkins. No. 896,961; Aug. 25; Sp. p. 4416; Dr. pp. 943-4; Gaz. vol. 135; p. 1678.
 Duplex tube. H. Emerson. No. 885,741; Apr. 28; Sp. p. 4270; Dr. p. 893; Gaz. vol. 133; p. 1954.
 Duplicating apparatus. E. J. Brasseur. No. 884,704; Apr. 14; Sp. p. 2128; Dr. pp. 453-4; Gaz. vol. 133; p. 1558.
 Duplicating apparatus. A. B. Dick. No. 903,457; Nov. 10; Sp. p. 1832; Gaz. vol. 137; p. 333.
 Duplicating apparatus, Stencil-. A. B. Dick. No. 881,307; Mar. 10; Sp. p. 1636; Dr. p. 350; Gaz. vol. 133; p. 305.
 Duplicating apparatus, Stencil-. A. B. Dick. No. 890,759; June 16; Sp. p. 3194; Dr. p. 698; Gaz. vol. 134; p. 1627.
 Duplicating-machine. K. O'Kane. No. 901,121; Oct. 13; Sp. p. 2201; Dr. p. 447; Gaz. vol. 136; p. 1442.
 Duplicator, Rotary. M. J. D. Carter. No. 887,063; May 12; Sp. p. 1443; Dr. pp. 306-7; Gaz. vol. 134; p. 266.
 Dust-absorbing compound. F. D. Wolfigram. No. 892,484; July 7; Sp. p. 179; Gaz. vol. 135; p. 35.
 Dust-absorbing compound and making same. H. C. Beman. No. 884,558; Apr. 14; Sp. p. 1799; Gaz. vol. 133; p. 1510.
 Dust arrester and sludger. L. T. Sicka and J. P. Collins. No. 895,693; Aug. 11; Sp. p. 1832; Dr. p. 390; Gaz. vol. 135; p. 1221.
 Dust-collecting apparatus. G. R. Bimm. No. 878,329; Feb. 4; Sp. p. 888; Dr. p. 178; Gaz. vol. 132; p. 992.
 Dust-collecting systems, Pipe-reducer for. W. E. Allington. No. 893,968; July 21; Sp. p. 3317; Dr. p. 680; Gaz. vol. 135; p. 581.
 Dust-collector. W. A. Derby. No. 878,126; Feb. 4; Sp. p. 464; Dr. p. 99; Gaz. vol. 132; p. 924.
 Dust-collector. C. F. Verrell. No. 885,206; Apr. 21; Sp. p. 3182; Dr. pp. 665-6; Gaz. vol. 133; p. 1753.
 Dust-collector. S. W. Keys. No. 894,890; Aug. 4; Sp. p. 187; Dr. p. 41; Gaz. vol. 135; p. 930.
 Dust-collector. A. C. Bartlett. No. 895,228; Aug. 4; Sp. p. 903; Dr. p. 190; Gaz. vol. 135; p. 1046.
 Dust-collector, Pneumatic. W. F. Mahony. No. 883,413; Mar. 31; Sp. p. 5856; Dr. p. 1248; Gaz. vol. 133; p. 1082.
 Dust-guard. H. C. Lafferty. No. 886,822; May 5; Sp. p. 992; Dr. p. 208; Gaz. vol. 134; p. 162.
 Dust-guard. P. J. Harrigan. No. 897,097; Aug. 25; Sp. p. 4687; Dr. p. 999; Gaz. vol. 135; p. 1722.
 Dust-guard. E. Peckham. No. 905,356; Dec. 1; Sp. p. 457; Gaz. vol. 137; p. 1060.
 Dust-guard. H. and P. Martin. No. 906,046; Dec. 8; Sp. p. 1833; Gaz. vol. 137; p. 1315.
 Dust or other particles from granular substances, Machine for separating. C. J. Robinson and J. Backhouse. No. 880,242; Feb. 25; Sp. p. 4859; Dr. pp. 1028-9; Gaz. vol. 132; p. 1724.
 Dust-pan. J. M. Niver. No. 898,774; Sept. 15; Sp. p. 3072; Dr. p. 658; Gaz. vol. 136; p. 558.
 Dust-pan. L. J. Chapman. No. 900,705; Oct. 13; Sp. p. 1359; Dr. p. 277; Gaz. vol. 136; p. 1309.
 Dust-pan. W. A. Babbitt and O. R. Hanchett. No. 904,500; Nov. 24; Sp. p. 4050; Gaz. vol. 137; p. 739.
 Dust-receptacle. E. G. Adams. No. 899,937; Sept. 29; Sp. p. 5380; Dr. p. 1148; Gaz. vol. 136; p. 999.
 Dust-remover, Pneumatic. M. E. Freeman. No. 896,290; Aug. 18; Sp. p. 3004; Dr. p. 646; Gaz. vol. 135; p. 1436.
 Dust separating and collecting apparatus. A. Knappenberger. No. 878,640; Feb. 11; Sp. p. 1611; Dr. p. 328; Gaz. vol. 132; p. 1129.
 Dust-separating apparatus. F. Martin. No. 893,002; July 14; Sp. p. 1260; Dr. pp. 264-5; Gaz. vol. 135; p. 235.
 Dust-separating apparatus. C. W. E. Boegel. No. 897,342; Sept. 1; Sp. p. 191; Dr. p. 41; Gaz. vol. 136; p. 28.
 Dust-separator. A. S. Emerson. No. 905,999; Dec. 8; Sp. p. 1751; Gaz. vol. 137; p. 1300.
 Dust separator and collector. W. F. Moughler. No. 881,194; Mar. 10; Sp. p. 1393; Dr. p. 301; Gaz. vol. 133; p. 266.
 Dust-suction apparatus, Filter for. A. Mestitz. No. 877,580; Jan. 28; Sp. p. 3903; Dr. p. 844; Gaz. vol. 132; p. 720.
 Duster. J. F. Dwyer. No. 884,267; Apr. 7; Sp. p. 1223; Dr. p. 257; Gaz. vol. 133; p. 1386.
 Duster and polisher, Floor. G. W. Goodier. No. 899,726; Sept. 29; Sp. p. 4911; Dr. p. 1054; Gaz. vol. 136; p. 929.
 Duster and polisher, Floor. G. W. Goodier. No. 899,727; Sept. 29; Sp. p. 4913; Dr. p. 1055; Gaz. vol. 136; p. 930.
 Duster, Feather. A. C. Isham. No. 894,833; Aug. 4; Sp. p. 69; Dr. p. 14; Gaz. vol. 135; p. 911.
 Duster head, Feather-. M. E. Goodhue. No. 907,338; Dec. 22; Sp. p. 4316; Gaz. vol. 137; p. 1734.
 Dye and making same, Anthracene. M. H. Isler. No. 876,190; Jan. 7; Sp. p. 978; Gaz. vol. 132; p. 166.
 Dye and making same, Anthracene. M. A. Kunz. No. 876,810; Jan. 14; Sp. p. 2268; Gaz. vol. 132; p. 403.
 Dye and making same, Anthracene. H. Wolff. No. 893,412; July 14; Sp. p. 2042; Gaz. vol. 135; p. 368.
 Dye and making same, Anthracene. M. H. Isler. No. 893,508; July 14; Sp. p. 2280; Gaz. vol. 135; p. 399.
 Dye and making same, Anthracene. O. Bally and H. Wolff. No. 906,367; Dec. 8; Sp. p. 2448; Gaz. vol. 137; p. 1420.
 Dye and making same, Azo. P. Julius and E. Fussenegger. No. 879,053; Feb. 11; Sp. p. 2374; Gaz. vol. 132; p. 1260.

Alphabetical list of inventions—Continued.

- Dye and making same, Black sulfur. G. E. Junius. No. 901,970; Oct. 27; Sp. p. 3973; Gaz. vol. 136; p. 1787.
Dye and making same, Brown azo. G. Kalischer. No. 879,552; Feb. 18; Sp. p. 3417; Gaz. vol. 132; p. 1465.
Dye and making same, Brown sulfur. M. R. Moffatt and J. S. Spira. No. 886,532; May 5; Sp. p. 376; Gaz. vol. 134; p. 69.
Dye and making same, Brown sulfur. G. List. No. 889,936; June 9; Sp. p. 1467; Gaz. vol. 134; p. 1322.
Dye and making same, Friable vegetable. F. J. Maywald. No. 894,965; Aug. 4; Sp. p. 375; Gaz. vol. 135; p. 956.
Dye and making same, Gallocyanin. C. De la Harpe, R. Burckhardt, and E. Zehntner. No. 895,039; Sept. 8; Sp. p. 1658; Gaz. vol. 136; p. 291.
Dye and making same, Gallocyanin. C. De la Harpe and R. Burckhardt. No. 898,842; Sept. 15; Sp. p. 3196; Gaz. vol. 136; p. 580.
Dye and making same, Gallocyanin. A. Steiner. No. 901,657; Oct. 20; Sp. p. 3318; Gaz. vol. 136; p. 1655.
Dye and making same, Green. P. Julius. No. 886,815; May 5; Sp. p. 984; Gaz. vol. 134; p. 161.
Dye and making same, Mordant azo. K. Schnitzspahn. No. 887,348; May 12; Sp. p. 2067; Gaz. vol. 134; p. 362.
Dye and making same, Orange or brown. A. Gressly. No. 903,284; Nov. 10; Sp. p. 1501; Gaz. vol. 137; p. 277.
Dye and making same, Orange to orange-yellow vat. A. Schaarschmidt. No. 893,845; Sept. 29; Sp. p. 5185; Gaz. vol. 136; p. 971.
Dye and making same, Orange-to-yellow vat. B. Mayer and A. Schaarschmidt. No. 902,895; Nov. 3; Sp. p. 743; Gaz. vol. 187; p. 123.
Dye and making same, Ortho-oxy-monoazo. W. Herzberg and O. Spengler. No. 906,421; Dec. 8; Sp. p. 2535; Gaz. vol. 137; p. 1436.
Dye and making same, Red. R. Pummerer. No. 876,839; Jan. 14; Sp. p. 2330; Gaz. vol. 132; p. 412.
Dye and making same, Red azo. H. Geldermann. No. 880,292; Feb. 25; Sp. p. 4964; Gaz. vol. 132; p. 1741.
Dye and making same, Red halogen vat. G. Engi. No. 887,609; May 12; Sp. p. 2591; Gaz. vol. 134; p. 447.
Dye and making same, Red triphenylmethane. F. Funcke. No. 887,620; May 12; Sp. p. 2608; Gaz. vol. 134; p. 450.
Dye and making same, Red trisazo. G. Kalischer. No. 886,985; May 5; Sp. p. 1281; Gaz. vol. 134; p. 213.
Dye and making same, Red vat. A. Grob. No. 891,690; June 23; Sp. p. 5105; Gaz. vol. 134; p. 1964.
Dye and making same, Sulfur. E. T. Bundsman. No. 897,373; Sept. 8; Sp. p. 1290; Gaz. vol. 136; p. 236.
Dye and making same, Triphenylmethane. A. Conzetti. No. 877,052; Jan. 21; Sp. p. 2823; Gaz. vol. 132; p. 526.
Dye and making same, Triphenylmethane. A. Conzetti. No. 877,053; Jan. 21; Sp. p. 2825; Gaz. vol. 132; p. 527.
Dye and making same, Triphenylmethane. A. Conzetti. No. 877,054; Jan. 21; Sp. p. 2826; Gaz. vol. 132; p. 527.
Dye and making same, Violet. A. Schmidt and E. Bryk. No. 877,743; Jan. 28; Sp. p. 4201; Gaz. vol. 132; p. 772.
Dye and making same, Violet vat. H. Kraft and G. Engi. No. 899,994; Sept. 29; Sp. p. 5494; Gaz. vol. 136; p. 1017.
Dye and making same, Yellow azo. M. Böniger. No. 901,675; Oct. 20; Sp. p. 3359; Gaz. vol. 136; p. 1660.
Dye and making same, Yellow-olive. E. Saul. No. 904,809; Nov. 24; Sp. p. 4694; Gaz. vol. 137; p. 843.
Dye and making same, Yellow sulfur. W. Schmidt. No. 892,455; July 7; Sp. p. 129; Gaz. vol. 135; p. 26.
Dye and making same, Yellow tetrazo. H. Geldermann. No. 880,293; Feb. 25; Sp. p. 4965; Gaz. vol. 132; p. 1741.
Dye, Azo. O. Günther and L. Hesse. No. 877,643; Jan. 28; Sp. p. 4019; Gaz. vol. 132; p. 741.
Dye, Azo. O. Günther and L. Hesse. No. 877,644; Jan. 28; Sp. p. 4020; Gaz. vol. 132; p. 741.
Dye, Azo. W. König. No. 899,171; Sept. 22; Sp. p. 3819; Gaz. vol. 136; p. 716.
Dye, Azo. F. Volkmann. No. 902,186; Oct. 27; Sp. p. 4428; Gaz. vol. 136; p. 1856.
Dye, Blue azo. C. Heidenreich. No. 891,931; June 30; Sp. p. 5592; Gaz. vol. 134; p. 2076.
Dye, Blue disazo. C. Ris and E. Haager. No. 888,036; May 19; Sp. p. 3441; Gaz. vol. 134; p. 619.
Dye, Brown sulfur. A. Herre and B. Jaekel. No. 895,637; Aug. 11; Sp. p. 1718; Gaz. vol. 135; p. 1202.
Dye, Brown vat. K. Schirmacher and A. Brunner. No. 888,852; May 26; Sp. p. 5098; Gaz. vol. 134; p. 915.
Dye, Dark-blue-violet. K. Schirmacher and B. Deicke. No. 881,158; Mar. 10; Sp. p. 1330; Gaz. vol. 133; p. 256.
Dye, Dark-green-black. K. Schirmacher and R. Leopold. No. 881,157; Mar. 10; Sp. p. 1328; Gaz. vol. 133; p. 256.
Dye derived from indirubin and making same, Vat. G. Engi. No. 876,158; Jan. 7; Sp. p. 920; Gaz. vol. 132; p. 156.
Dye, Diphenylanthrylmethane. M. Weiler. No. 891,888; June 30; Sp. p. 5508; Gaz. vol. 134; p. 2062.
Dye, Diphenylanthrylmethane. M. Weiler. No. 891,889; June 30; Sp. p. 5508; Gaz. vol. 134; p. 2062.
Dye, Direct cotton. J. Turner. No. 888,942; May 26; Sp. p. 5296; Gaz. vol. 134; p. 946.
Dye from gallocyanins and making same, Condensation. C. De la Harpe, K. Oswald, and E. Zehntner. No. 898,098; Sept. 8; Sp. p. 1769; Gaz. vol. 136; p. 308.
Dye from indirubin and making same, Vat. G. Engi and J. Fröhlich. No. 898,452; Sept. 15; Sp. p. 2455; Gaz. vol. 136; p. 455.
Dye, Gallocyanin. C. Heidenreich and E. Martz. No. 895,635; Aug. 11; Sp. p. 1714; Gaz. vol. 135; p. 1202.
Dye, Green anthracene. J. Deinet. No. 893,837; July 21; Sp. p. 3055; Gaz. vol. 135; p. 539.
Dye lakes, Making red azo. O. Ernst and C. Pretzell. No. 888,981; May 26; Sp. p. 5367; Gaz. vol. 134; p. 958.
Dye, New disazo. O. Günther and L. Hesse. No. 897,529; Sept. 1; Sp. p. 597; Gaz. vol. 136; p. 94.
Dye, New disazo. O. Günther and L. Hesse. No. 898,217; Sept. 8; Sp. p. 2001; Gaz. vol. 136; p. 346.
Dye, Red azo. C. O. Müller and A. Otto. No. 888,837; May 26; Sp. p. 5073; Gaz. vol. 134; p. 910.
Dye, Red tetrazo. E. Meyer. No. 888,532; May 26; Sp. p. 4387; Gaz. vol. 134; p. 805.
Dye, Red tetrazo. K. Jedlicka and A. Schedler. No. 889,016; May 26; Sp. p. 5424; Gaz. vol. 134; p. 968.
Dye, Red vat. K. Schirmacher and A. Brunner. No. 881,159; Mar. 10; Sp. p. 1331; Gaz. vol. 133; p. 256.
Dye, Red vat. K. Schirmacher and H. Landers. No. 892,897; July 7; Sp. p. 1024; Gaz. vol. 135; p. 170.
Dye, Yellow. E. Meyer. No. 890,588; June 9; Sp. p. 2803; Gaz. vol. 134; p. 1538.
Dye, Yellowish-brown sulfur. B. Jaekel. No. 896,916; Aug. 25; Sp. p. 4318; Gaz. vol. 135; p. 1663.
Dyes and making same, Leuco compounds of vat. G. Engi. No. 893,468; July 14; Sp. p. 2188; Gaz. vol. 135; p. 386.
Dyes and their leuco bodies, Making sulfur. B. Homolka and R. Welde. No. 893,499; July 14; Sp. p. 2262; Gaz. vol. 135; p. 397.
Dyes containing fatty acid radicals, Making azo. N. Sulzberger. No. 902,021; Oct. 27; Sp. p. 4100; Gaz. vol. 136; p. 1804.
Dyes containing radicals of higher fatty acids, Making azo. N. Sulzberger. No. 879,424; Feb. 18; Sp. p. 3148; Dr. p. 655; Gaz. vol. 132; p. 1423.
Dyes, Dyeing sulfur. A. Wöschel. No. 907,937; Dec. 29; Sp. p. 5579; Gaz. vol. 137; p. 2021.
Dyes, Making black sulfur. A. F. Poirier. No. 904,224; Nov. 17; Sp. p. 3459; Gaz. vol. 137; p. 621.
Dyes, Making red vat. W. Bauer. No. 899,152; Sept. 22; Sp. p. 3772; Gaz. vol. 136; p. 710.
Dyes, Making sulfurized. B. Homolka and R. Welde. No. 894,005; July 21; Sp. p. 3394; Gaz. vol. 135; p. 593.
Dyes, Oxid of thiondigo. B. Homolka. No. 898,738; Sept. 15; Sp. p. 3006; Gaz. vol. 136; p. 546.
Dyeing. G. A. Waldinger and C. F. Iserloth. No. 882,543; Mar. 17; Sp. p. 4075; Gaz. vol. 133; p. 734.
Dyeing. H. Töpfer. (Reissue.) No. 12,826; July 7; Sp. p. 1175; Gaz. vol. 135; p. 198.
Dyeing. A. Schlegel. No. 893,384; July 14; Sp. p. 1988; Gaz. vol. 135; p. 358.
Dyeing and bleaching apparatus. J. Schmitt and E. Handschin. No. 892,898; July 7; Sp. p. 1026; Dr. p. 215; Gaz. vol. 135; p. 170.
Dyeing and extracting machine, Hosiery figure. C. S. Althouse. No. 885,709; Apr. 28; Sp. p. 4194; Dr. pp. 877-8; Gaz. vol. 133; p. 1943.
Dyeing and other machines, Hoisting apparatus for. J. Hussong. No. 878,399; Feb. 4; Sp. p. 1022; Dr. p. 206; Gaz. vol. 132; p. 1016.
Dyeing apparatus. L. Destree. No. 881,097; Mar. 3; Sp. p. 1207; Dr. p. 260; Gaz. vol. 133; p. 205.
Dyeing apparatus. H. Anner. No. 902,271; Oct. 27; Sp. p. 4595; Dr. p. 933; Gaz. vol. 136; p. 1883.
Dyeing apparatus. R. Diederichs. No. 904,315; Nov. 17; Sp. p. 3658; Gaz. vol. 137; p. 652.
Dyeing apparatus. J. Friedrichs. No. 907,229; Dec. 22; Sp. p. 4106; Gaz. vol. 137; p. 1756.
Dyeing bobbins and the like, Machine for. C. Wansleben. No. 878,103; Feb. 4; Sp. p. 424; Dr. p. 90; Gaz. vol. 132; p. 917.
Dyeing fibrous material, Apparatus for. R. Dawson. No. 893,986; July 21; Sp. p. 3360; Dr. p. 688; Gaz. vol. 135; p. 587.
Dyeing-machine. J. Hussong. (Reissue.) No. 12,781; Apr. 21; Sp. p. 4182; Dr. p. 876; Gaz. vol. 133; p. 1913.
Dyeing-machine. J. Hussong. (Reissue.) No. 12,788; Apr. 28; Sp. p. 5504; Dr. p. 1151; Gaz. vol. 133; p. 2154.
Dyeing-machine. J. M. Payne and G. G. Wallace. No. 887,511; May 12; Sp. p. 2418; Dr. p. 510; Gaz. vol. 134; p. 415.
Dyeing-machine. J. Hussong. No. 895,023; Aug. 4; Sp. p. 508; Dr. p. 102; Gaz. vol. 135; p. 977.
Dyeing-machine. R. P. Smith and G. E. Drum. No. 905,473; Dec. 1; Sp. p. 733; Gaz. vol. 137; p. 1101.
Dyeing-machines, Hoisting and agitating apparatus for. J. Hussong. No. 904,260; Nov. 17; Sp. p. 3534; Gaz. vol. 137; p. 632.
Dyeing, Preparation of the indigo-vat employed in. H. Chaumat. No. 885,978; Apr. 28; Sp. p. 4763; Gaz. vol. 133; p. 2033.
Dyeing textile fibers, Preparing water used in. G. Sanders. No. 894,234; July 28; Sp. p. 3887; Gaz. vol. 135; p. 689.
Dyeing, washing, and stripping machine. H. Hennig. No. 901,003; Oct. 13; Sp. p. 1980; Dr. pp. 402-3; Gaz. vol. 136; p. 1406.
Dyeing, washing, and stripping machine. H. Hennig. No. 901,004; Oct. 13; Sp. p. 1984; Dr. pp. 403-4; Gaz. vol. 136; p. 1406.
Dyestuff and making same, Violet vat. A. Grob. No. 904,867; Nov. 24; Sp. p. 4827; Gaz. vol. 137; p. 863.
Dyestuff, Yellow monoazo. W. Herzberg and H. Oster. No. 906,422; Dec. 8; Sp. p. 2537; Gaz. vol. 137; p. 1437.
Dyestuffs, Making concentrated liquid. A. Schmidt and O. Schwab. No. 901,746; Oct. 20; Sp. p. 3537; Gaz. vol. 136; p. 1686.
Dyestuffs, Making vat. A. Schmidt and E. Bryk. No. 881,624; Mar. 10; Sp. p. 2267; Gaz. vol. 133; p. 408.
Dyestuffs, Printing sulfurized. M. Grünbaum. No. 901,705; Oct. 20; Sp. p. 3465; Gaz. vol. 136; p. 1673.
Dynamo-governor. O. H. Erickson. No. 899,088; Sept. 22; Sp. p. 3636; Dr. p. 779; Gaz. vol. 136; p. 687.
Dynamo-suspension. W. I. Thomson. No. 891,743; Mar. 10; Sp. p. 2488; Dr. p. 536; Gaz. vol. 133; p. 443.
Dynamo, Wind-operated. E. J. Johnson. No. 889,883; June 2; Sp. p. 1349; Dr. p. 308; Gaz. vol. 134; p. 1280.
Dynamos and electromotors, Rotor for. J. Hissink. No. 894,144; July 21; Sp. p. 3681; Dr. p. 763; Gaz. vol. 135; p. 640.

Alphabetical list of inventions—Continued.

- Dynamometer. J. B. Webb. No. 888,371; May 19; Sp. p. 4070; Dr. p. 858; Gaz. vol. 134; p. 724.
Dynamometer, Transmission-. B. Hopkinson and L. G. P. Thring. No. 904,432; Nov. 17; Sp. p. 3880; Gaz. vol. 137; p. 690.
Ear-drop, Pierceless. J. S. Brant. No. 879,358; Feb. 18; Sp. p. 2995; Dr. p. 626; Gaz. vol. 132; p. 1401.
Ear-drum, Artificial. G. H. Wilson. No. 887,563; May 12; Sp. p. 2515; Dr. p. 530; Gaz. vol. 134; p. 433.
Ear-trumpet, Invisible. F. M. Way. No. 902,785; Nov. 3; Sp. p. 483; Gaz. vol. 137; p. 85.
Ear, Instrument for medicating the middle. J. A. Gault. No. 888,398; May 19; Sp. p. 4119; Dr. p. 869; Gaz. vol. 134; p. 733.
Ear-trumpet. C. L. Holland. No. 877,566; Jan. 28; Sp. p. 3868; Dr. p. 837; Gaz. vol. 132; p. 716.
Ear-trumpet. G. W. Cline. No. 888,144; May 19; Sp. p. 3646; Dr. p. 764; Gaz. vol. 134; p. 652.
Ear-trumpet. K. F. Hackert. No. 900,097; Oct. 6; Sp. p. 44; Dr. pp. 8-9; Gaz. vol. 136; p. 1082.
Ear-trumpet. B. S. Stephenson. No. 900,226; Oct. 6; Sp. p. 316; Dr. pp. 64-5; Gaz. vol. 136; p. 1124.
Ear-protector. R. McWilliams. No. 904,715; Nov. 24; Sp. p. 4480; Gaz. vol. 137; p. 811.
Ear-ring. A. Balzer. No. 893,048; July 14; Sp. p. 1348; Dr. p. 285; Gaz. vol. 135; p. 250.
Ear-stopper. G. B. Frank. No. 886,790; May 5; Sp. p. 945; Dr. p. 196; Gaz. vol. 134; p. 154.
Earth-handling machine. O. L. Neisler. No. 889,326; June 2; Sp. p. 257; Dr. pp. 63-4; Gaz. vol. 134; p. 1100.
Easel. F. M. Carr. No. 887,767; May 19; Sp. p. 2910; Dr. p. 614; Gaz. vol. 134; p. 529.
Easel. G. Booth. No. 903,050; Nov. 3; Sp. p. 1045; Gaz. vol. 137; p. 171.
Easel, Adjustable. J. B. Timberlake. No. 887,152; May 12; Sp. p. 1607; Dr. p. 341; Gaz. vol. 134; p. 295.
Easel, Artist's. R. F. Maynard. No. 878, 549; Feb. 11; Sp. p. 1394; Dr. p. 286; Gaz. vol. 132; p. 1099.
Easel-frame. S. Steinberg. No. 889,982; June 9; Sp. p. 1562; Dr. p. 352; Gaz. vol. 134; p. 1338.
Eaves-trough. G. Cassens. No. 891,405; June 23; Sp. p. 4509; Dr. p. 981; Gaz. vol. 134; p. 1870.
Eaves-trough. G. Cassens. No. 891,406; June 23; Sp. p. 4510; Dr. p. 981; Gaz. vol. 134; p. 1870.
Eaves-trough and fastening therefor. W. Feyler. No. 883,632; Mar. 31; Sp. p. 6284; Dr. p. 1340; Gaz. vol. 133; p. 1150.
Eaves-trough cap. R. R. Robertson and I. J. Shifley. No. 906,661; Dec. 15; Sp. p. 2982; Gaz. vol. 137; p. 1538.
Eaves-trough hanger. C. P. Mahood. No. 890,429; June 9; Sp. p. 2487; Dr. p. 550; Gaz. vol. 134; p. 1485.
Eaves-trough hanger. C. C. La Clare. No. 894,019; July 21; Sp. p. 3437; Dr. p. 702; Gaz. vol. 135; p. 598.
Eaves-troughs, Machine for forming. A. McKenzie. No. 901,637; Oct. 20; Sp. p. 3283; Dr. pp. 673-4; Gaz. vol. 136; p. 1647.
Eccentric-lubricator. C. D. Helm. No. 885,046; Apr. 21; Sp. p. 2823; Dr. p. 597; Gaz. vol. 133; p. 1701.
Eccentric, Shifting. H. Lentz and C. Bellens. No. 883,031; Mar. 24; Sp. p. 5043; Dr. p. 1074; Gaz. vol. 133; p. 926.
Edge-setting iron. C. Jørgensen and A. Haahr. No. 894,152; July 21; Sp. p. 3690; Dr. p. 766; Gaz. vol. 135; p. 641.
Edge-trimmer. W. M. Boenning. No. 876,292; Jan. 7; Sp. p. 1191; Dr. pp. 259-60; Gaz. vol. 132; p. 200.
Edge-trimming machine. O. R. Rust. No. 908,332; Dec. 29; Sp. p. 6420; Gaz. vol. 137; p. 2155.
Edger, Gang-. U. Anderson. No. 877,878; Jan. 28; Sp. p. 4444; Dr. pp. 968-9; Gaz. vol. 132; p. 815.
Edger, Gang-. J. T. Stoddard. No. 879,923; Feb. 25; Sp. p. 4227; Dr. pp. 882-3; Gaz. vol. 132; p. 1620.
Edible matter, Device for curing. C. B. Trescott. No. 889,828; June 2; Sp. p. 1239; Dr. p. 286; Gaz. vol. 134; p. 1261.
Educational appliance. M. G. Griggs. No. 882,463; Mar. 17; Sp. p. 3908; Dr. p. 836; Gaz. vol. 133; p. 707.
Educational appliance. G. N. Sabin. No. 884,863; Apr. 14; Sp. p. 2462; Dr. p. 518; Gaz. vol. 133; p. 1612.
Educational appliance. F. B. Melville. No. 885,272; Apr. 21; Sp. p. 3309; Dr. p. 691; Gaz. vol. 133; p. 1775.
Educational appliance. J. S. Littell. No. 898,754; Sept. 15; Sp. p. 3031; Dr. p. 650; Gaz. vol. 136; p. 551.
Educational device. J. W. Bevans. No. 886,172; Apr. 28; Sp. p. 5143; Dr. p. 1082; Gaz. vol. 133; p. 2095.
Educational device. J. A. Foley. No. 889,515; June 2; Sp. p. 655; Dr. p. 152; Gaz. vol. 134; p. 1162.
Educational device. J. A. De Vilbiss. No. 892,715; July 7; Sp. p. 636; Dr. p. 135; Gaz. vol. 135; p. 110.
Educational device. G. B. Oldroyd. No. 894,043; July 21; Sp. p. 3483; Dr. p. 714; Gaz. vol. 135; p. 606.
Eel-trap. J. H. Sellman. No. 893,943; July 21; Sp. p. 3254; Dr. p. 670; Gaz. vol. 135; p. 572.
Egg and other beater. H. P. Wells. No. 905,036; Nov. 24; Sp. p. 5152; Gaz. vol. 137; p. 918.
Egg and sponge beater. C. H. Overkamp. No. 877,468; Jan. 21; Sp. p. 3641; Dr. p. 789; Gaz. vol. 132; p. 662.
Egg-beater. J. A. Hoffman. No. 876,549; Jan. 14; Sp. p. 1757; Dr. p. 382; Gaz. vol. 132; p. 318.
Egg-beater. J. B. Erwin. No. 890,629; June 16; Sp. p. 2916; Dr. p. 638; Gaz. vol. 134; p. 1583.
Egg-beater. E. W. Ladd. No. 892,856; July 7; Sp. p. 927; Dr. p. 196; Gaz. vol. 135; p. 155.
Egg-beater. W. C. Kamerrer. No. 896,919; Aug. 25; Sp. p. 4322; Dr. pp. 925-6; Gaz. vol. 135; p. 1664.
Egg-beater and cream-whipper. G. H. Snyder. No. 903,515; Nov. 10; Sp. p. 1962; Gaz. vol. 137; p. 353.
Egg-beating machine. W. R. Chittenden. No. 890,604; June 16; Sp. p. 2856; Dr. p. 629; Gaz. vol. 134; p. 1575.
Egg-boiler. H. H. Chesbrough. No. 878,866; Feb. 11; Sp. p. 2037; Dr. p. 421; Gaz. vol. 132; p. 1202.
Egg-boiler. R. E. Deane and C. W. Shields. No. 896,806; Aug. 25; Sp. p. 4060; Dr. p. 873; Gaz. vol. 135; p. 1626.
Egg-boiler, Automatic. L. Leclerc. No. 879,057; Feb. 11; Sp. p. 2381; Dr. p. 499; Gaz. vol. 132; p. 1261.
Egg-breaker. S. M. Beel. No. 894,106; July 21; Sp. p. 3595; Dr. p. 741; Gaz. vol. 135; p. 627.
Egg-candling machine. S. E. Davis. No. 877,490; Jan. 28; Sp. p. 3692; Dr. p. 801; Gaz. vol. 132; p. 690.
Egg-carrier. M. Shepard. No. 898,514; Sept. 15; Sp. p. 2571; Dr. p. 549; Gaz. vol. 136; p. 474.
Egg-carrier. F. W. Nerlich, Jr. No. 901,639; Oct. 20; Sp. p. 3287; Dr. p. 674; Gaz. vol. 136; p. 1648.
Egg-carrier. W. R. Stokely. No. 902,697; Nov. 3; Sp. p. 328; Gaz. vol. 137; p. 55.
Egg-carton. H. W. Janicke. No. 882,688; Mar. 24; Sp. p. 4367; Dr. p. 929; Gaz. vol. 133; p. 815.
Egg-case carrier. J. E. Harker. No. 899,531; Sept. 29; Sp. p. 4513; Dr. p. 969; Gaz. vol. 136; p. 867.
Egg case or carrier. M. H. and L. B. Wilson. No. 905,615; Dec. 1; Sp. p. 1009; Gaz. vol. 137; p. 1145.
Egg-crate, Folding. H. D. Dennis. No. 906,116; Dec. 8; Sp. p. 1975; Gaz. vol. 137; p. 1337.
Egg-holder. J. Cincasak. No. 886,954; May 5; Sp. p. 1222; Dr. p. 259; Gaz. vol. 134; p. 203.
Egg-lifter. C. F. Swanson. No. 879,801; Feb. 18; Sp. p. 3911; Dr. pp. 819-20; Gaz. vol. 132; p. 1545.
Egg-opener. D. P. Stevens. No. 886,266; Apr. 28; Sp. p. 5313; Dr. p. 1118; Gaz. vol. 133; p. 2127.
Egg opener and holder, Hot-. J. H. Bancroft. No. 900,908; Oct. 13; Sp. p. 1788; Dr. p. 361; Gaz. vol. 136; p. 1374.
Egg-preserving apparatus. H. J. Wintherlich. No. 876,757; Jan. 14; Sp. p. 2181; Dr. p. 479; Gaz. vol. 132; p. 387.
Egg-preserving apparatus. M. Briggs. No. 899,382; Sept. 22; Sp. p. 4218; Dr. p. 903; Gaz. vol. 136; p. 782.
Egg-register. J. A. Anderson and H. M. Middleton. No. 903,430; Nov. 10; Sp. p. 1778; Gaz. vol. 137; p. 323.
Egg-scouring machine. E. M. and W. W. Boies. No. 901,774; Oct. 20; Sp. p. 3597; Dr. p. 728; Gaz. vol. 136; p. 1694.
Egg-strainer. C. H. Walz and J. W. Butler. No. 896,493; Aug. 18; Sp. p. 3416; Dr. pp. 735-6; Gaz. vol. 135; p. 1502.
Egg-tester. C. F. Swanson. No. 879,800; Feb. 18; Sp. p. 3909; Dr. p. 819; Gaz. vol. 132; p. 1545.
Egg-tester. C. F. O'Dell and K. Haynes. No. 881,197; Mar. 10; Sp. p. 1399; Dr. p. 302; Gaz. vol. 133; p. 268.
Egg-tester. E. Culver. No. 881,304; Mar. 10; Sp. p. 1629; Dr. p. 348; Gaz. vol. 133; p. 304.
Egg-tester. J. W. Billings. No. 892,705; July 7; Sp. p. 606; Dr. pp. 130-1; Gaz. vol. 135; p. 106.
Egg-tester. F. E. and E. A. Hetrick. No. 896,018; Aug. 11; Sp. p. 2489; Dr. p. 538; Gaz. vol. 135; p. 1326.
Egg-tester. J. W. Burkholder. No. 900,082; Oct. 6; Sp. p. 16; Dr. p. 3; Gaz. vol. 136; p. 1077.
Egg-tester. E. C. Waldorf. No. 904,238; Nov. 17; Sp. p. 3495; Gaz. vol. 137; p. 625.
Egg-tester tray. G. W. Newton. No. 896,932; Aug. 25; Sp. p. 4345; Dr. p. 931; Gaz. vol. 135; p. 1669.
Egg-testing device. F. W. Gaylor. No. 883,308; Mar. 31; Sp. p. 5625; Dr. p. 1199; Gaz. vol. 133; p. 1048.
Egg-turner. W. Bunker. No. 886,185; Apr. 28; Sp. p. 5166; Dr. p. 1087; Gaz. vol. 133; p. 2099.
Egg-turner. J. L. Nix. No. 905,742; Dec. 1; Sp. p. 1247; Gaz. vol. 137; p. 1186.
Egg-washing machine. H. W. Henry. No. 876,181; Jan. 7; Sp. p. 961; Dr. p. 207; Gaz. vol. 132; p. 164.
Egg-washing machine. G. J. Whelan. No. 892,104; June 30; Sp. p. 5918; Dr. p. 1276; Gaz. vol. 134; p. 2130.
Egg-whip. F. Genge. No. 884,085; Apr. 7; Sp. p. 848; Dr. p. 178; Gaz. vol. 133; p. 1327.
Ejector and ventilator, Automatic. L. Lagna-Fietta. No. 894,671; July 28; Sp. p. 4775; Dr. pp. 991-2; Gaz. vol. 135; p. 833.
Ejector-ventilator, Stationary. A. J. Leitch. No. 891,485; June 23; Sp. p. 4663; Dr. p. 1010; Gaz. vol. 134; p. 1896.
Elastic distortion, Apparatus for demonstrating the laws of. C. E. Albright. No. 903,262; Nov. 10; Sp. p. 1461; Gaz. vol. 137; p. 260.
Elastic material, Manufacturing. A. Adler. No. 897,334; Sept. 1; Sp. p. 170; Gaz. vol. 136; p. 25.
Elastic means. L. A. Garchey. No. 890,899; June 16; Sp. p. 3458; Dr. p. 758; Gaz. vol. 134; p. 1671.
Elastic webbing. S. Kops. No. 887,654; May 12; Sp. p. 2683; Dr. p. 567; Gaz. vol. 134; p. 462.
Elastic webbing, Embossing. H. H. Allison. No. 904,912; Nov. 24; Sp. p. 4907; Gaz. vol. 137; p. 876.
Elastic wheel. L. A. Garchey. No. 876,537; Jan. 14; Sp. p. 1731; Dr. pp. 376-7; Gaz. vol. 132; p. 314.
Elastic wheel. A. Dauvergne. No. 897,881; Sept. 8; Sp. p. 1304; Dr. p. 279; Gaz. vol. 136; p. 238.
Elbow connection. S. A. Hawkins. No. 898,882; Sept. 15; Sp. p. 3263; Dr. p. 698; Gaz. vol. 136; p. 594.
Election-booth. G. A. Gohen. No. 907,032; Dec. 15; Sp. p. 3682; Gaz. vol. 137; p. 1656.
Electric accumulator. M. C. Thiellet and M. J. Denard. No. 900,898; Oct. 13; Sp. p. 1760; Dr. p. 357; Gaz. vol. 136; p. 1377.
Electric alarm. T. Norpoth. No. 880,691; Mar. 3; Sp. p. 393; Dr. p. 85; Gaz. vol. 133; p. 70.
Electric alarm and light, Combined. W. A. Lindsey. No. 901,540; Oct. 20; Sp. p. 3099; Dr. p. 633; Gaz. vol. 136; p. 1617.
Electric alarm for beds to be occupied by patients, such as hospital-beds. F. Apold. No. 884,121; Apr. 7; Sp. p. 198; Gaz. vol. 133; p. 1339.
Electric alarm mechanism, Housing for. J. B. Mayberry. No. 885,631; Apr. 21; Sp. p. 4022; Dr. p. 840; Gaz. vol. 133; p. 1888.

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- Electric alarm operated by alarm-clocks. E. Ploudre. No. 878,087; Feb. 4; Sp. p. 394; Dr. p. 82; Gaz. vol. 132; p. 912.
- Electric alarm, Thermal. L. Currier. No. 889,765; June 2; Sp. p. 1123; Dr. p. 260; Gaz. vol. 134; p. 1240.
- Electric apparatus, Cooling system for. K. C. Randall and C. B. Gibson. No. 886,073; Apr. 28; Sp. p. 4959; Dr. pp. 1042-3; Gaz. vol. 133; p. 2064.
- Electric apparatus, Gas or vapor. M. von Recklinghausen. No. 896,243; Aug. 18; Sp. p. 2897; Dr. p. 625; Gaz. vol. 135; p. 1421.
- Electric apparatus, Vacuum-tube. D. M. Moore. No. 907,161; Dec. 22; Sp. p. 3945; Gaz. vol. 137; p. 1733.
- Electric apparatus, Vapor. O. O. Kruh. No. 883,030; Mar. 24; Sp. p. 5041; Dr. p. 1073; Gaz. vol. 133; p. 926.
- Electric apparatus, Vapor. O. O. Kruh. No. 883,114; Mar. 24; Sp. p. 5203; Dr. p. 1112; Gaz. vol. 133; p. 953.
- Electric apparatus, Vapor. A. M. Jackson. No. 887,642; May 12; Sp. p. 2664; Dr. p. 562; Gaz. vol. 134; p. 458.
- Electric apparatus, Vapor. L. E. Dempster. No. 901,427; Oct. 20; Sp. p. 2847; Dr. p. 581; Gaz. vol. 136; p. 1580.
- Electric apparatus, Vapor. W. R. Whitney. No. 901,506; Oct. 20; Sp. p. 3030; Dr. p. 619; Gaz. vol. 136; p. 1606.
- Electric-arc furnace. S. D. Spence. No. 880,338; Feb. 25; Sp. p. 5038; Dr. pp. 1063-4; Gaz. vol. 132; p. 1755.
- Electric battery. C. B. Schoenmehl. No. 886,652; May 5; Sp. p. 611; Dr. p. 127; Gaz. vol. 134; p. 106.
- Electric battery. W. Morrison. No. 892,608; July 7; Sp. p. 404; Dr. p. 89; Gaz. vol. 135; p. 75.
- Electric battery. W. Morrison. No. 895,660; Aug. 11; Sp. p. 1764; Dr. p. 374; Gaz. vol. 135; p. 1210.
- Electric battery. W. MacMillan. No. 898,055; Sept. 8; Sp. p. 1689; Dr. pp. 358-9; Gaz. vol. 136; p. 296.
- Electric battery. I. Kitsee. No. 901,012; Oct. 13; Sp. p. 1998; Dr. p. 406; Gaz. vol. 136; p. 1409.
- Electric bracket, Swinging. J. F. Brown. No. 878,498; Feb. 11; Sp. p. 1292; Dr. p. 261; Gaz. vol. 132; p. 1082.
- Electric brake. E. H. Anderson. No. 895,830; Aug. 11; Sp. p. 2121; Dr. p. 449; Gaz. vol. 135; p. 1265.
- Electric cable. C. E. Wilson. No. 886,566; May 5; Sp. p. 438; Dr. p. 93; Gaz. vol. 134; p. 81.
- Electric-cable branch connection. J. J. Dessert. No. 896,200; Aug. 18; Sp. p. 2810; Dr. p. 605; Gaz. vol. 135; p. 1405.
- Electric-cable clamp. E. W. Muller. No. 897,300; Sept. 1; Sp. p. 57; Dr. pp. 14-15; Gaz. vol. 136; p. 13.
- Electric-cable terminal. C. W. Davis. No. 881,777; Mar. 10; Sp. p. 2541; Dr. p. 547; Gaz. vol. 133; p. 454.
- Electric-cable terminal. C. W. Davis. No. 898,097; Sept. 8; Sp. p. 1767; Dr. pp. 375-6; Gaz. vol. 136; p. 309.
- Electric cables, Clip for supporting. J. Caesar. No. 893,438; July 14; Sp. p. 2119; Dr. p. 445; Gaz. vol. 135; p. 377.
- Electric call-bell. C. and W. Reinker. No. 905,229; Dec. 1; Sp. p. 218; Gaz. vol. 137; p. 1020.
- Electric-car lighting, Means for mounting and driving dynamos for. A. McGary and J. W. Jepson. No. 878,305; Feb. 4; Sp. p. 844; Dr. p. 168; Gaz. vol. 132; p. 984.
- Electric carrier. S. H. Libby. No. 881,596; Mar. 10; Sp. p. 2190; Dr. pp. 477-8; Gaz. vol. 133; p. 398.
- Electric cell. G. Schauli. No. 902,173; Oct. 27; Sp. p. 4399; Dr. p. 891; Gaz. vol. 136; p. 1851.
- Electric charges, Conductor for discharging high-voltage. W. H. Chapman. No. 878,272; Feb. 4; Sp. p. 777; Dr. p. 156; Gaz. vol. 132; p. 974.
- Electric-circuit breaker, Double-pole. W. H. Scott. No. 903,791; Nov. 10; Sp. p. 2516; Gaz. vol. 137; p. 440.
- Electric-circuit-breaker terminal piece. C. Aalborg. No. 896,192; Aug. 18; Sp. p. 2796; Dr. p. 602; Gaz. vol. 135; p. 1402.
- Electric-circuit controller. C. Aalborg. No. 879,234; Feb. 18; Sp. p. 2746; Dr. p. 574; Gaz. vol. 132; p. 1360.
- Electric-circuit controller. C. Bach, Jr. No. 880,617; Mar. 3; Sp. p. 261; Dr. p. 55; Gaz. vol. 133; p. 46.
- Electric-circuit controller. D. B. Sawyer. No. 893,382; July 14; Sp. p. 1985; Dr. p. 417; Gaz. vol. 135; p. 358.
- Electric-circuit controller. M. W. Day. No. 908,397; Dec. 29; Sp. p. 6563; Gaz. vol. 137; p. 2178.
- Electric-circuit coupling apparatus. N. F. Niederlander. No. 883,225; Mar. 31; Sp. p. 5454; Dr. pp. 1161-2; Gaz. vol. 133; p. 1021.
- Electric-circuit load-equalizer. J. S. Peck. No. 894,979; Aug. 4; Sp. p. 411; Dr. p. 83; Gaz. vol. 135; p. 961.
- Electric-circuit making and breaking device. J. Ryan. No. 905,933; Dec. 8; Sp. p. 1618; Gaz. vol. 137; p. 1279.
- Electric-circuit protective device. H. W. Cheney. No. 890,496; June 9; Sp. p. 2606; Dr. p. 578; Gaz. vol. 134; p. 1506.
- Electric-circuit-regulating means. H. Leitner. No. 907,380; Dec. 22; Sp. p. 4395; Gaz. vol. 137; p. 1808.
- Electric-circuit time-switch. H. W. Brown. No. 897,711; Sept. 1; Sp. p. 951; Dr. pp. 203-4; Gaz. vol. 136; p. 153.
- Electric circuits and apparatus, Protective appliance for. H. H. Hornsby and E. W. Anger, Jr. No. 882,498; Mar. 17; Sp. p. 3965; Dr. p. 848; Gaz. vol. 133; p. 713.
- Electric circuits and their application to railway signaling systems, Combination and management of. J. Lemire. No. 907,614; Dec. 22; Sp. p. 4891; Gaz. vol. 137; p. 1885.
- Electric circuits, Means for automatically closing. F. W. Keeler. No. 879,648; Feb. 18; Sp. p. 3623; Dr. p. 758; Gaz. vol. 132; p. 1495.
- Electric circuits, Method of and apparatus for controlling. O. Rothenstein. No. 895,044; Aug. 4; Sp. p. 544; Dr. p. 111; Gaz. vol. 135; p. 984.
- Electric coil and producing same. I. Kitsee. No. 890,988; June 16; Sp. p. 3674; Dr. pp. 800-1; Gaz. vol. 134; p. 1702.
- Electric coils and conductors therefor, Producing. I. Kitsee. No. 901,299; Oct. 13; Sp. p. 2539; Dr. p. 522; Gaz. vol. 136; p. 1499.
- Electric condenser. M. O. Troy. No. 888,275; May 19; Sp. p. 3885; Dr. p. 818; Gaz. vol. 134; p. 696.
- Electric condensers, Making. F. S. Koch. No. 877,089; Jan. 21; Sp. p. 2882; Dr. p. 623; Gaz. vol. 132; p. 537.
- Electric conductor carrying current, Method of and means for utilizing the pressure in the interior of an. E. F. Northrup. No. 902,106; Oct. 27; Sp. p. 4261; Dr. p. 864; Gaz. vol. 136; p. 1830.
- Electric-conductor conduit. A. E. Woodhouse. No. 896,878; Aug. 25; Sp. p. 4209; Dr. p. 901; Gaz. vol. 135; p. 1649.
- Electric-conductor connection. F. O. Ball. No. 882,514; Mar. 17; Sp. p. 4006; Dr. p. 857; Gaz. vol. 133; p. 724.
- Electric conductors, Connection for. F. H. Ball. No. 899,708; Sept. 29; Sp. p. 4872; Dr. p. 1045; Gaz. vol. 136; p. 923.
- Electric conductors, Ground-joint connection for. J. C. Vogel. No. 907,542; Dec. 22; Sp. p. 4719; Gaz. vol. 137; p. 1862.
- Electric conductors, Ground-joint connection for. J. C. Vogel. No. 907,543; Dec. 22; Sp. p. 4720; Gaz. vol. 137; p. 1862.
- Electric conductors, Means for protecting high-tension overhead. L. Neu. No. 899,127; Sept. 22; Sp. p. 3715; Dr. p. 796; Gaz. vol. 136; p. 700.
- Electric-conduit fitting. A. R. Lakin. No. 883,549; Mar. 31; Sp. p. 6141; Dr. p. 1305; Gaz. vol. 133; p. 1124.
- Electric conduit systems, Means for draining manholes of. A. J. Smith and D. Livingston. No. 880,761; Mar. 3; Sp. p. 551; Dr. p. 116; Gaz. vol. 133; p. 95.
- Electric contact, Overhead. T. W. Small. No. 878,247; Feb. 4; Sp. p. 728; Dr. p. 148; Gaz. vol. 132; p. 965.
- Electric contact-shoes, Support for. E. W. Farnham. No. 886,319; Apr. 28; Sp. p. 5438; Dr. p. 1140; Gaz. vol. 133; p. 2146.
- Electric controller. R. I. Wright. No. 885,967; Apr. 28; Sp. p. 4747; Dr. p. 997; Gaz. vol. 133; p. 2031.
- Electric controller. R. R. Root. No. 905,588; Dec. 1; Sp. p. 957; Gaz. vol. 137; p. 1136.
- Electric controller. C. L. Taylor. No. 906,576; Dec. 15; Sp. p. 2831; Gaz. vol. 137; p. 1512.
- Electric controller. W. S. Deeds. No. 907,752; Dec. 29; Sp. p. 5202; Gaz. vol. 137; p. 1960.
- Electric controlling device. H. W. Leonard. No. 902,307; Oct. 27; Sp. p. 4672; Dr. pp. 947-9; Gaz. vol. 136; p. 1896.
- Electric controlling means. F. G. Haldy. No. 908,251; Dec. 29; Sp. p. 6256; Gaz. vol. 137; p. 2127.
- Electric controlling system. J. D. Hilder. No. 897,537; Sept. 1; Sp. p. 610; Dr. p. 127; Gaz. vol. 136; p. 96.
- Electric couple, Thermo-. W. H. Bristol. No. 885,430; Apr. 21; Sp. p. 3624; Dr. p. 760; Gaz. vol. 133; p. 1826.
- Electric current, Apparatus for regulating the voltage of an. W. J. Williams. No. 907,931; Dec. 29; Sp. p. 5569; Gaz. vol. 137; p. 2019.
- Electric-current bathing-tub. F. Braun. No. 904,677; Nov. 24; Sp. p. 4401; Gaz. vol. 137; p. 799.
- Electric-current collectors, Pressure device for. C. de Kandó. No. 875,788; Jan. 7; Sp. p. 214; Dr. pp. 46-7; Gaz. vol. 132; p. 39.
- Electric-current collectors, Pressure device for. C. de Kandó. No. 875,822; Jan. 7; Sp. p. 272; Dr. pp. 59-60; Gaz. vol. 132; p. 51.
- Electric-current controller. A. E. Dion and C. W. Ball. No. 877,705; Jan. 28; Sp. p. 4131; Dr. p. 894; Gaz. vol. 132; p. 759.
- Electric current, Gas element for converting the energy of combustible or other suitable reducing substances to. E. W. Jungner. No. 885,054; Apr. 21; Sp. p. 2838; Dr. p. 603; Gaz. vol. 133; p. 1703.
- Electric-current machinery, Alternating. A. Heyland. No. 901,341; Oct. 20; Sp. p. 2629; Dr. pp. 540-1; Gaz. vol. 136; p. 1548.
- Electric currents, Automatic cut-off for. D. C. Cañizares. No. 887,918; May 19; Sp. p. 3220; Dr. p. 677; Gaz. vol. 134; p. 580.
- Electric currents, Damper for the upper harmonics of alternating. M. Leblanc. No. 890,776; June 16; Sp. p. 3230; Dr. p. 706; Gaz. vol. 134; p. 1633.
- Electric currents, Means for regulating the supply of. C. M. P. Montbarbon. No. 896,227; Aug. 18; Sp. p. 2870; Dr. p. 618; Gaz. vol. 135; p. 1416.
- Electric currents, Switching. S. W. Mauger. No. 890,783; June 16; Sp. p. 3243; Dr. pp. 709-10; Gaz. vol. 134; p. 1635.
- Electric currents, Swivel-joint for. A. B. Smith. No. 893,880; July 21; Sp. p. 3133; Dr. p. 644; Gaz. vol. 135; p. 551.
- Electric currents to cars, System for transmitting. J. J. Eagan. No. 897,965; Sept. 8; Sp. p. 1513; Dr. p. 321; Gaz. vol. 136; p. 267.
- Electric currents, Transforming the energy of. E. Weintraub. No. 877,026; Jan. 21; Sp. p. 2767; Dr. p. 598; Gaz. vol. 132; p. 518.
- Electric currents with increased energy, Means for transmitting. J. A. Stratton. No. 882,026; Mar. 17; Sp. p. 3103; Dr. p. 660; Gaz. vol. 133; p. 566.
- Electric cut-out. W. C. Tregoning. No. 890,200; June 9; Sp. p. 2018; Dr. p. 444; Gaz. vol. 134; p. 1412.
- Electric cut-out and holder. T. E. Murray. No. 905,905; Dec. 8; Sp. p. 1572; Gaz. vol. 137; p. 1270.
- Electric-discharge apparatus. P. H. Thomas. No. 882,218. Mar. 17; Sp. p. 3462; Dr. p. 736; Gaz. vol. 133; p. 626.
- Electric-distribution system. P. H. Thomas. No. 901,306; Oct. 13; Sp. p. 2551; Dr. p. 525; Gaz. vol. 136; p. 1501.
- Electric-distribution system, Monocyclic. C. P. Steinmetz. No. 888,362; May 19; Sp. p. 4054; Dr. p. 855; Gaz. vol. 134; p. 722.
- Electric-drill controller. W. O. Dunley and H. J. Kinman. No. 904,851; Nov. 24; Sp. p. 4784; Gaz. vol. 137; p. 858.
- Electric exhibitor. B. H. Winters. No. 905,824; Dec. 1; Sp. p. 1405; Gaz. vol. 137; p. 1213.

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- Electric fittings, Terminal for. F. A. Swan. No. 897,674; Sept. 1; Sp. p. 876; Dr. p. 188; Gaz. vol. 136; p. 140.
 Electric fixture. H. T. Hall. No. 885,246; Apr. 21; Sp. p. 3256; Dr. p. 660; Gaz. vol. 133; p. 1766.
 Electric fixture. E. C. Suiter. No. 902,121; Oct. 27; Sp. p. 4290; Dr. p. 869; Gaz. vol. 136; p. 1835.
 Electric float, Stream-power. W. J. Pattosien. No. 904,892; Nov. 24; Sp. p. 4876; Gaz. vol. 137; p. 871.
 Electric fluid-heater. J. S. Smyser. No. 905,597; Dec. 1; Sp. p. 975; Gaz. vol. 137; p. 1139.
 Electric furnace. C. E. Wilson. No. 881,517; Mar. 10; Sp. p. 2039; Dr. p. 445; Gaz. vol. 133; p. 371.
 Electric furnace. C. E. Wilson. No. 881,518; Mar. 10; Sp. p. 2041; Dr. p. 446; Gaz. vol. 133; p. 371.
 Electric furnace. E. Appleby. No. 882,733; Mar. 24; Sp. p. 4454; Dr. pp. 947-8; Gaz. vol. 133; p. 829.
 Electric furnace. A. L. Marsh. No. 882,788; Mar. 24; Sp. p. 4554; Dr. p. 972; Gaz. vol. 133; p. 846.
 Electric furnace. H. L. Hartenstein. No. 883,110; Mar. 24; Sp. p. 5191; Dr. pp. 1108-9; Gaz. vol. 133; p. 952.
 Electric furnace. P. Girod. No. 885,745; Apr. 28; Sp. p. 4275; Dr. p. 894; Gaz. vol. 133; p. 1955.
 Electric furnace. E. F. Price. No. 886,856; May 5; Sp. p. 1051; Dr. p. 221; Gaz. vol. 134; p. 172.
 Electric furnace. L. Dion. No. 888,877; May 26; Sp. p. 5166; Dr. p. 1096; Gaz. vol. 134; p. 925.
 Electric furnace. A. J. Petersson. No. 889,857; June 2; Sp. p. 1295; Dr. p. 297; Gaz. vol. 134; p. 1271.
 Electric furnace. J. Hårdén. No. 897,203; Aug. 25; Sp. p. 4878; Dr. p. 1037; Gaz. vol. 135; p. 1756.
 Electric furnace. R. McKnight. No. 900,192; Oct. 6; Sp. p. 256; Dr. p. 51; Gaz. vol. 136; p. 1114.
 Electric furnace. J. H. Reid. No. 900,207; Oct. 6; Sp. p. 285; Dr. p. 58; Gaz. vol. 136; p. 1118.
 Electric furnace. E. Cornelius. No. 900,486; Oct. 6; Sp. p. 877; Dr. p. 179; Gaz. vol. 136; p. 1209.
 Electric furnace. K. Birkeland. No. 906,682; Dec. 15; Sp. p. 3021; Gaz. vol. 137; p. 1544.
 Electric furnace. P. L. T. Héroult. No. 908,407; Dec. 29; Sp. p. 6582; Gaz. vol. 137; p. 2182.
 Electric gas-range lighter, Automatic. M. L. Ganser. No. 908,238; Dec. 29; Sp. p. 6238; Gaz. vol. 137; p. 2123.
 Electric-generation system. F. R. Babcock. No. 902,851; Nov. 3; Sp. p. 646; Gaz. vol. 137; p. 108.
 Electric generator. J. L. Woodbridge. No. 895,824; Aug. 11; Sp. p. 2105; Dr. p. 446; Gaz. vol. 135; p. 1263.
 Electric generator. G. Honold. No. 900,542; Oct. 6; Sp. p. 1011; Dr. p. 205; Gaz. vol. 136; p. 1228.
 Electric generator for telephone-lines. H. Tideman. No. 879,425; Feb. 13; Sp. p. 3152; Dr. p. 655; Gaz. vol. 132; p. 1423.
 Electric generator, Inductor. P. Rabbidge. No. 883,346; Mar. 31; Sp. p. 5684; Dr. p. 1214; Gaz. vol. 133; p. 1059.
 Electric generator or motor. C. L. Kennedy. No. 894,329; July 28; Sp. p. 4091; Dr. pp. 845-6; Gaz. vol. 135; p. 721.
 Electric generator, Pyro-. G. J. Vokel. No. 903,116; Nov. 3; Sp. p. 1165; Gaz. vol. 137; p. 189.
 Electric generators and motors, Field-adjusting device for. F. O. Ball. No. 886,109; Apr. 28; Sp. p. 5028; Dr. p. 1057; Gaz. vol. 133; p. 2075.
 Electric generators, Regulating. G. S. Neeley. No. 879,887; Feb. 25; Sp. p. 4126; Dr. p. 865; Gaz. vol. 132; p. 1606.
 Electric heat unit or device. G. H. Wade. No. 897,326; Sept. 1; Sp. p. 141; Dr. p. 29; Gaz. vol. 136; p. 22.
 Electric heater. H. D'Olier, Jr. No. 877,177; Jan. 21; Sp. p. 3087; Dr. pp. 667-8; Gaz. vol. 132; p. 568.
 Electric heater. G. W. Elkins. No. 877,183; Jan. 21; Sp. p. 3097; Dr. pp. 670-1; Gaz. vol. 132; p. 569.
 Electric heater. E. F. Hoskin. No. 877,843; Jan. 28; Sp. p. 4379; Dr. pp. 952-3; Gaz. vol. 132; p. 803.
 Electric heater. W. R. Whitehorse. No. 878,919; Feb. 11; Sp. p. 2137; Dr. p. 446; Gaz. vol. 132; p. 1218.
 Electric heater. E. M. Hewlett. No. 882,564; Mar. 24; Sp. p. 4119; Dr. p. 874; Gaz. vol. 133; p. 773.
 Electric heater. E. Thomson. No. 884,540; Apr. 14; Sp. p. 1767; Dr. p. 380; Gaz. vol. 133; p. 1504.
 Electric heater. M. Landry. (Reissue.) No. 12,782; Apr. 21; Sp. p. 4185; Dr. p. 876; Gaz. vol. 133; p. 1913.
 Electric heater. C. L. Taylor. No. 887,871; May 19; Sp. p. 3131; Dr. p. 657; Gaz. vol. 134; p. 565.
 Electric heater. H. Wahlquist. No. 888,277; May 19; Sp. p. 3387; Dr. p. 819; Gaz. vol. 134; p. 696.
 Electric heater. E. F. Porter. No. 889,040; May 26; Sp. p. 5463; Dr. p. 1162; Gaz. vol. 134; p. 976.
 Electric heater. E. M. Hewlett. No. 896,297; Aug. 18; Sp. p. 3015; Dr. p. 649; Gaz. vol. 135; p. 1437.
 Electric heater. A. J. Holmes. No. 898,578; Sept. 15; Sp. p. 2698; Dr. p. 577; Gaz. vol. 136; p. 495.
 Electric heater. E. Thomson. No. 902,024; Oct. 27; Sp. p. 4106; Dr. p. 832; Gaz. vol. 136; p. 1805.
 Electric heater. A. C. Dunham. No. 905,159; Dec. 1; Sp. p. 71; Gaz. vol. 137; p. 995.
 Electric heater and cooker. E. M. Crandall. No. 887,923; May 19; Sp. p. 3229; Dr. p. 679; Gaz. vol. 134; p. 582.
 Electric heater and drier. G. N. Blanchard. No. 901,871; Oct. 20; Sp. p. 3768; Dr. p. 766; Gaz. vol. 136; p. 1724.
 Electric heater and means for controlling the same. P. A. Brown. No. 891,400; June 23; Sp. p. 4497; Dr. pp. 978-9; Gaz. vol. 134; p. 1868.
 Electric heater and rheostat. J. H. Delany. No. 886,682; May 5; Sp. p. 687; Dr. p. 142; Gaz. vol. 134; p. 117.
 Electric heater, Illuminated. F. C. Green. No. 893,994; July 21; Sp. p. 3378; Dr. p. 691; Gaz. vol. 135; p. 589.
 Electric heaters, Element for. A. A. Low and H. Hertzberg. No. 885,769; Apr. 28; Sp. p. 4323; Dr. p. 906; Gaz. vol. 133; p. 1962.
 Electric heating device. J. I. Ayer and H. B. Gale. No. 905,045; Nov. 24; Sp. p. 5166; Gaz. vol. 137; p. 921.
 Electric horn. D. P. Perry. No. 907,399; Dec. 22; Sp. p. 4426; Gaz. vol. 137; p. 1814.
 Electric igniters, Contact apparatus for. J. Krannichfeldt. No. 882,394; Mar. 17; Sp. p. 3792; Dr. p. 810; Gaz. vol. 133; p. 684.
 Electric igniting system. E. Q. Williams. No. 907,929; Dec. 29; Sp. p. 5566; Gaz. vol. 137; p. 2019.
 Electric ignition apparatus. R. Huff. No. 881,862; Mar. 10; Sp. p. 2730; Dr. p. 585; Gaz. vol. 133; p. 483.
 Electric illuminator. H. J. Mullen. No. 892,177; June 30; Sp. p. 6070; Dr. p. 1306; Gaz. vol. 134; p. 2155.
 Electric indicator. C. von Pelz. No. 906,274; Dec. 8; Sp. p. 2271; Gaz. vol. 137; p. 1390.
 Electric induction-furnace. K. A. F. Hiorth. No. 889,522; June 2; Sp. p. 670; Dr. p. 154; Gaz. vol. 134; p. 1164.
 Electric inductor, Magneto-. M. Fischer. No. 880,485; Feb. 25; Sp. p. 5365; Dr. p. 1130; Gaz. vol. 132; p. 1806.
 Electric insect-destroyer. T. C. Cheney and J. S. Bosson. No. 907,570; Dec. 22; Sp. p. 4767; Gaz. vol. 137; p. 1870.
 Electric installation, Box-connector for. W. H. Vibber. No. 899,639; Sept. 29; Sp. p. 4752; Dr. p. 1017; Gaz. vol. 136; p. 902.
 Electric installation, Combined bushing and coupling for. W. H. Vibber. No. 899,638; Sept. 29; Sp. p. 4751; Dr. p. 1017; Gaz. vol. 136; p. 902.
 Electric installation, Conduit-cap for. W. H. Vibber. No. 897,683; Sept. 1; Sp. p. 894; Dr. p. 191; Gaz. vol. 136; p. 143.
 Electric-installation molding-box. W. H. Vibber. No. 899,637; Sept. 29; Sp. p. 4750; Dr. p. 1016; Gaz. vol. 136; p. 902.
 Electric installation working with turbo-dynamos and accumulators. M. Grob. No. 878,525; Feb. 11; Sp. p. 1345; Dr. pp. 272-3; Gaz. vol. 132; p. 1090.
 Electric interrupter and intermitter. J. R. Kelley. No. 887,096; May 12; Sp. p. 1519; Dr. p. 321; Gaz. vol. 134; p. 279.
 Electric-light-bulb changer. C. F. Southworth. No. 898,696; Sept. 15; Sp. p. 2933; Dr. p. 628; Gaz. vol. 136; p. 533.
 Electric-light-bulb shield. B. R. Williams. No. 905,483; Dec. 1; Sp. p. 754; Gaz. vol. 137; p. 1104.
 Electric-light cluster-fixture. J. H. Caldwell. No. 897,455; Sept. 1; Sp. p. 443; Dr. p. 95; Gaz. vol. 136; p. 70.
 Electric-light-cord take-up. A. W. Pratt. No. 906,286; Dec. 8; Sp. p. 2296; Gaz. vol. 137; p. 1395.
 Electric-light cut-off. J. B. Smith and Y. D. Lott. No. 892,095; June 30; Sp. p. 5895; Dr. p. 1269; Gaz. vol. 134; p. 2127.
 Electric-light fixture. H. A. Bauer. No. 887,455; May 12; Sp. p. 2289; Dr. p. 480; Gaz. vol. 134; p. 396.
 Electric-light fixture. W. Amstalden. No. 898,083; Sept. 8; Sp. p. 1743; Dr. p. 371; Gaz. vol. 136; p. 305.
 Electric-light fixture. J. H. Goehst. No. 902,960; Nov. 3; Sp. p. 860; Gaz. vol. 137; p. 143.
 Electric-light plug, Extension. B. D. Horton. No. 879,773; Feb. 18; Sp. p. 3862; Dr. p. 809; Gaz. vol. 132; p. 1536.
 Electric-light socket. F. Frankofski. No. 884,271; Apr. 7; Sp. p. 1230; Dr. p. 259; Gaz. vol. 133; p. 1387.
 Electric-light-socket cap. J. H. Goss. No. 877,326; Jan. 21; Sp. p. 3381; Dr. p. 732; Gaz. vol. 132; p. 616.
 Electric-light stand. J. F. Pierce. No. 903,499; Nov. 10; Sp. p. 1930; Gaz. vol. 137; p. 347.
 Electric-light support. P. N. Thevenet. No. 881,742; Mar. 10; Sp. p. 2486; Dr. p. 535; Gaz. vol. 133; p. 443.
 Electric-light switch. W. W. Fulton. No. 907,770; Dec. 29; Sp. p. 5246; Gaz. vol. 137; p. 1967.
 Electric lights, Wall-bracket for. W. R. Atkinson. No. 881,284; Mar. 10; Sp. p. 1593; Dr. p. 341; Gaz. vol. 133; p. 297.
 Electric lighting. W. C. Fish. No. 883,944; Apr. 7; Sp. p. 554; Dr. p. 110; Gaz. vol. 133; p. 1281.
 Electric lighting. P. C. Hewitt. No. 900,733; Oct. 13; Sp. p. 1418; Dr. p. 288; Gaz. vol. 136; p. 1318.
 Electric-lighting apparatus. P. C. Hewitt. No. 901,294; Oct. 13; Sp. p. 2532; Dr. p. 520; Gaz. vol. 136; p. 1497.
 Electric-lighting device. C. Wheeler. No. 904,467; Nov. 17; Sp. p. 3958; Gaz. vol. 137; p. 701.
 Electric-lighting device. J. T. Fisk. No. 904,524; Nov. 24; Sp. p. 4098; Gaz. vol. 137; p. 747.
 Electric-lighting system. J. F. McElroy. No. 893,533; July 14; Sp. p. 2322; Dr. pp. 487-8; Gaz. vol. 135; p. 407.
 Electric-lighting system. J. F. McElroy. No. 893,534; July 14; Sp. p. 2329; Dr. pp. 488-9; Gaz. vol. 135; p. 407.
 Electric-lighting system, Automatic. C. J. Garden. No. 901,336; Oct. 20; Sp. p. 2619; Dr. p. 538; Gaz. vol. 136; p. 1546.
 Electric lock. S. W. Wibel, N. J. McAloney, and W. R. Cunningham. No. 888,285; May 19; Sp. p. 3911; Dr. p. 823; Gaz. vol. 134; p. 698.
 Electric machine, Alternating-current commutator dynamo-. W. Doinkoff. No. 907,578; Dec. 22; Sp. p. 4785; Gaz. vol. 137; p. 1873.
 Electric machine, Commutating dynamo-. K. Sulzberger. No. 907,891; Dec. 29; Sp. p. 5491; Gaz. vol. 137; p. 2006.
 Electric-machine cooling means, Dynamo-. R. H. Rice. No. 895,894; Aug. 11; Sp. p. 2235; Dr. p. 477; Gaz. vol. 135; p. 1285.
 Electric machine, Dynamo-. C. E. Lord. No. 876,568; Jan. 14; Sp. p. 1801; Dr. p. 393; Gaz. vol. 132; p. 325.
 Electric machine, Dynamo-. S. R. Bergman. No. 876,930; Jan. 21; Sp. p. 2545; Dr. p. 556; Gaz. vol. 132; p. 483.
 Electric machine, Dynamo-. C. E. Canfield. No. 876,943; Jan. 21; Sp. p. 2581; Dr. p. 562; Gaz. vol. 132; p. 488.
 Electric machine, Dynamo-. R. S. Feicht. No. 876,955; Jan. 21; Sp. p. 2613; Dr. p. 567; Gaz. vol. 132; p. 493.
 Electric machine, Dynamo-. E. M. Tingley. No. 878,165; Feb. 4; Sp. p. 571; Dr. p. 116; Gaz. vol. 132; p. 938.

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- Electric machine, Dynamo-. H. Chitty. No. 880,011; Feb. 25; Sp. p. 4385; Dr. p. 921; Gaz. vol. 132; p. 1648.
 Electric machine, Dynamo-. H. Berg. No. 881,456; Mar. 10; Sp. p. 1921; Dr. p. 418; Gaz. vol. 133; p. 351.
 Electric machine, Dynamo-. J. P. Nikonow. No. 883,043; Mar. 24; Sp. p. 5067; Dr. pp. 1080-1; Gaz. vol. 133; p. 930.
 Electric machine, Dynamo-. R. Siegfried. No. 883,246; Mar. 31; Sp. p. 5495; Dr. p. 1172; Gaz. vol. 133; p. 1027.
 Electric machine, Dynamo-. W. L. Waters. No. 886,562; May 5; Sp. p. 433; Dr. p. 92; Gaz. vol. 134; p. 79.
 Electric machine, Dynamo-. H. G. Reist. No. 887,521; May 12; Sp. p. 2439; Dr. p. 514; Gaz. vol. 134; p. 419.
 Electric machine, Dynamo-. L. R. Hornung. No. 887,639; May 12; Sp. p. 2655; Dr. p. 559; Gaz. vol. 134; p. 457.
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 Electric machine, Dynamo-. E. M. Tingley and J. L. Ray. No. 888,940; May 26; Sp. p. 5292; Dr. p. 1123; Gaz. vol. 134; p. 945.
 Electric machine, Dynamo-. V. G. Apple. No. 889,841; June 2; Sp. p. 1263; Dr. p. 291; Gaz. vol. 134; p. 1265.
 Electric machine, Dynamo-. R. B. Williamson. No. 891,316; June 23; Sp. p. 4319; Dr. p. 942; Gaz. vol. 134; p. 1840.
 Electric machine, Dynamo-. E. Mattman. No. 891,847; June 30; Sp. p. 5428; Dr. p. 1173; Gaz. vol. 134; p. 2047.
 Electric machine, Dynamo-. G. S. Dunn. No. 893,228; July 14; Sp. p. 1698; Dr. p. 359; Gaz. vol. 135; p. 307.
 Electric machine, Dynamo-. H. H. Ralston. No. 893,370; July 14; Sp. p. 1966; Dr. p. 413; Gaz. vol. 135; p. 354.
 Electric machine, Dynamo-. W. L. Waters. No. 894,533; July 21; Sp. p. 2642; Dr. p. 554; Gaz. vol. 135; p. 485.
 Electric machine, Dynamo-. J. Burke. No. 893,979; July 21; Sp. p. 3341; Dr. pp. 685-6; Gaz. vol. 135; p. 584.
 Electric machine, Dynamo-. H. G. Reist. No. 894,533; July 28; Sp. p. 4495; Dr. p. 931; Gaz. vol. 135; p. 787.
 Electric machine, Dynamo-. W. T. Hensley. No. 894,950; Aug. 4; Sp. p. 347; Dr. p. 70; Gaz. vol. 135; p. 951.
 Electric machine, Dynamo-. E. M. Tingley. No. 895,515; Aug. 11; Sp. p. 1485; Dr. pp. 313-14; Gaz. vol. 135; p. 1164.
 Electric machine, Dynamo-. H. G. Reist. No. 896,322; Aug. 18; Sp. p. 3071; Dr. p. 662; Gaz. vol. 135; p. 1446.
 Electric machine, Dynamo-. H. G. Reist. No. 896,323; Aug. 18; Sp. p. 3074; Dr. p. 662; Gaz. vol. 135; p. 1446.
 Electric machine, Dynamo-. M. R. Hanna. No. 897,257; Aug. 25; Sp. p. 5102; Dr. p. 1065; Gaz. vol. 135; p. 1779.
 Electric machine, Dynamo-. A. B. Field. No. 899,447; Sept. 22; Sp. p. 4330; Dr. p. 930; Gaz. vol. 136; p. 803.
 Electric machine, Dynamo-. H. G. Reist. No. 900,780; Oct. 13; Sp. p. 1509; Dr. p. 307; Gaz. vol. 136; p. 1332.
 Electric machine, Dynamo-. H. G. Reist. No. 900,781; Oct. 13; Sp. p. 1511; Dr. p. 307; Gaz. vol. 136; p. 1332.
 Electric machine, Dynamo-. B. A. Behrend. No. 900,977; Oct. 13; Sp. p. 1930; Dr. p. 393; Gaz. vol. 136; p. 1396.
 Electric machine, Dynamo-. A. L. Hadley. No. 901,440; Oct. 20; Sp. p. 2873; Dr. p. 587; Gaz. vol. 136; p. 1584.
 Electric machine, Dynamo-. K. Sulzberger. No. 902,019; Oct. 27; Sp. p. 4095; Dr. p. 830; Gaz. vol. 136; p. 1803.
 Electric machine, Dynamo-. K. Sulzberger. No. 902,020; Oct. 27; Sp. p. 4097; Dr. p. 831; Gaz. vol. 136; p. 1803.
 Electric machine, Dynamo-. A. B. Field. No. 902,065; Oct. 27; Sp. p. 4182; Dr. p. 847; Gaz. vol. 136; p. 1817.
 Electric machine, Dynamo-. B. A. Behrend. No. 903,829; Nov. 17; Sp. p. 2608; Gaz. vol. 137; p. 484.
 Electric machine, Dynamo-. C. M. Green. No. 905,512; Dec. 1; Sp. p. 819; Gaz. vol. 137; p. 1113.
 Electric machine, Dynamo-. S. S. Forster. No. 905,805; Dec. 1; Sp. p. 1367; Gaz. vol. 137; p. 1207.
 Electric machine, Dynamo-. C. M. Green. No. 905,814; Dec. 1; Sp. p. 1378; Gaz. vol. 137; p. 1210.
 Electric machine, Dynamo-. F. B. Howell. No. 905,817; Dec. 1; Sp. p. 1389; Gaz. vol. 137; p. 1211.
 Electric machine, Magneto-. E. B. Jacobson. No. 885,255; Apr. 21; Sp. p. 3270; Dr. pp. 682-3; Gaz. vol. 133; p. 1769.
 Electric machine of the inclosed type, Dynamo-. A. H. Wouters. No. 899,370; Sept. 22; Sp. p. 4198; Dr. p. 899; Gaz. vol. 136; p. 779.
 Electric-machine pole-piece, Dynamo-. A. Churchward. No. 907,738; Dec. 29; Sp. p. 5176; Gaz. vol. 137; p. 1906.
 Electric-machine regulation, Dynamo-. R. C. Clinker. No. 895,965; Aug. 11; Sp. p. 2384; Dr. p. 510; Gaz. vol. 135; p. 1308.
 Electric-machine regulator, Dynamo-. R. Fleming. No. 885,031; Apr. 21; Sp. p. 2789; Dr. p. 591; Gaz. vol. 133; p. 1666.
 Electric-machine regulator, Dynamo-. W. C. Mayo and J. Houlehan. No. 896,738; Aug. 25; Sp. p. 3892; Dr. p. 841; Gaz. vol. 135; p. 1601.
 Electric machine, Static-influence. H. Wommelsdorf. No. 882,508; Mar. 17; Sp. p. 3984; Dr. p. 851; Gaz. vol. 133; p. 722.
 Electric machine, Unipolar dynamo-. J. E. Noeggerath. No. 895,888; Aug. 11; Sp. p. 2227; Dr. p. 475; Gaz. vol. 135; p. 1284.
 Electric-machine voltage-regulator, Dynamo-. G. S. Neeley. No. 904,887; Nov. 24; Sp. p. 4864; Gaz. vol. 137; p. 869.
 Electric-machine winding, Dynamo-. G. R. Maxwell. No. 905,900; Dec. 8; Sp. p. 1562; Gaz. vol. 137; p. 1269.
 Electric machine with compensating windings, Dynamo-. L. Torda. No. 877,017; Jan. 21; Sp. p. 2750; Dr. p. 595; Gaz. vol. 132; p. 514.
 Electric machines, Automatic regulation for dynamo-. F. Porsche. No. 890,299; June 9; Sp. p. 2244; Dr. pp. 493-4; Gaz. vol. 134; p. 1444.
 Electric machines, Brush and brush-holder for dynamo-. F. H. Loring. No. 883,550; Mar. 31; Sp. p. 6142; Dr. p. 1306; Gaz. vol. 133; p. 1125.
 Electric machines, Clamping means for core-plates of dynamo-. C. E. Lord and W. H. Powell. No. 891,273; June 23; Sp. p. 4223; Dr. p. 924; Gaz. vol. 134; p. 1825.
 Electric machines, Coil-retainer for dynamo-. G. Dunn. No. 879,949; Feb. 25; Sp. p. 4273; Dr. p. 893; Gaz. vol. 132; p. 1628.
 Electric machines, Coil-retainer for dynamo-. R. B. Treat. No. 880,429; Feb. 25; Sp. p. 5238; Dr. p. 1102; Gaz. vol. 132; p. 1786.
 Electric machines, Coil-support for dynamo-. I. L. Griffith. No. 905,868; Dec. 8; Sp. p. 1498; Gaz. vol. 137; p. 1258.
 Electric machines, Cross connection for dynamo-. W. H. Foot. No. 882,242; Mar. 17; Sp. p. 3510; Dr. p. 745; Gaz. vol. 132; p. 633.
 Electric machines, Current-collecting apparatus for dynamo-. J. E. Noeggerath. No. 904,801; Nov. 24; Sp. p. 4674; Gaz. vol. 137; p. 840.
 Electric machines, Means for regulating dynamo-. W. L. Merrill. No. 898,058; Sept. 8; Sp. p. 1698; Dr. p. 360; Gaz. vol. 136; p. 297.
 Electric machines, Method of and means for starting dynamo-. B. Frankenfield. No. 891,241; June 23; Sp. p. 4165; Dr. p. 912; Gaz. vol. 134; p. 1815.
 Electric machines, Pole-shoe for dynamo-. R. B. Treat. No. 879,927; Feb. 25; Sp. p. 4235; Dr. p. 885; Gaz. vol. 132; p. 1622.
 Electric machines, Regulation of dynamo-. C. E. Barry. No. 884,555; Apr. 14; Sp. p. 1794; Dr. p. 386; Gaz. vol. 133; p. 1509.
 Electric machines, Regulation of dynamo-. C. P. Steinmetz. No. 890,722; June 16; Sp. p. 3109; Dr. p. 682; Gaz. vol. 134; p. 1614.
 Electric machines, Supporting structure for dynamo-. R. Siegfried. No. 883,247; Mar. 31; Sp. p. 5497; Dr. p. 1172; Gaz. vol. 133; p. 1027.
 Electric machines, Supporting structure for dynamo-. R. Siegfried. No. 883,248; Mar. 31; Sp. p. 5499; Dr. p. 1172; Gaz. vol. 133; p. 1028.
 Electric machines, Ventilated laminated core for dynamo-. W. J. Richards. No. 890,577; June 9; Sp. p. 2767; Dr. p. 611; Gaz. vol. 134; p. 1534.
 Electric machines, Winding for dynamo-. W. Schmidt. No. 885,184; Apr. 21; Sp. p. 3124; Dr. p. 657; Gaz. vol. 133; p. 1745.
 Electric machinery, Coil-support for. B. G. Lamme. No. 905,889; Dec. 8; Sp. p. 1532; Gaz. vol. 137; p. 1265.
 Electric machinery, Dynamo-. C. A. Parsons. No. 883,822; Apr. 7; Sp. p. 296; Dr. pp. 55-6; Gaz. vol. 133; p. 1240.
 Electric meter. W. H. Pratt and C. E. Holmes. No. 908,135; Dec. 29; Sp. p. 5993; Gaz. vol. 137; p. 2086.
 Electric meter. G. E. Stevens. No. 908,427; Dec. 29; Sp. p. 6622; Gaz. vol. 137; p. 2188.
 Electric meter and service box. C. G. Durfee. No. 890,851; June 16; Sp. p. 3372; Dr. p. 739; Gaz. vol. 134; p. 1657.
 Electric metering system. E. Schattner. No. 897,024; Aug. 25; Sp. p. 4551; Dr. p. 972; Gaz. vol. 135; p. 1699.
 Electric motor. L. A. Tirrill. No. 877,016; Jan. 21; Sp. p. 2749; Dr. p. 595; Gaz. vol. 132; p. 514.
 Electric motor. E. Hopkinson and J. Frith. No. 881,585; Mar. 10; Sp. p. 2172; Dr. pp. 473-4; Gaz. vol. 133; p. 394.
 Electric motor. W. Shurtleff. No. 897,166; Aug. 25; Sp. p. 4821; Dr. p. 1025; Gaz. vol. 135; p. 1745.
 Electric motor. G. W. Richardson. No. 907,176; Dec. 22; Sp. p. 3972; Gaz. vol. 137; p. 1738.
 Electric-motor-control system. A. C. Eastwood. No. 904,765; Nov. 24; Sp. p. 4599; Gaz. vol. 137; p. 828.
 Electric-motor-control system. W. Cooper and O. A. Sandborgh. No. 905,848; Dec. 8; Sp. p. 1453; Gaz. vol. 137; p. 1252.
 Electric-motor suspension. J. E. Webster. No. 905,964; Dec. 8; Sp. p. 1670; Gaz. vol. 137; p. 1288.
 Electric oscillations, Generator of. V. Poulsen. No. 890,451; June 9; Sp. p. 2522; Dr. p. 558; Gaz. vol. 134; p. 1492.
 Electric oscillations, Means for generating high-frequency. R. A. Fessenden. No. 897,279; Sept. 1; Sp. p. 28; Dr. p. 7; Gaz. vol. 136; p. 7.
 Electric oscillations, System for receiving undamped. O. Scheller. No. 892,312; June 30; Sp. p. 6326; Dr. p. 1362; Gaz. vol. 134; p. 2200.
 Electric outlet-box. C. J. Dorff. No. 895,441; Aug. 11; Sp. p. 1332; Dr. pp. 280-1; Gaz. vol. 135; p. 1139.
 Electric outlet-box. C. J. Dorff. No. 905,998; Dec. 8; Sp. p. 1749; Gaz. vol. 137; p. 1300.
 Electric plug-receptacle. G. L. Patterson. No. 900,773; Oct. 13; Sp. p. 1498; Dr. p. 304; Gaz. vol. 133; p. 1329.
 Electric point-shifting, signaling, locking, and switching apparatus, Safety device for. L. Kottmair and R. Zwack. No. 883,646; Mar. 31; Sp. p. 6316; Dr. pp. 1346-8; Gaz. vol. 133; p. 1154.
 Electric power, Contact-post system for transmitting. G. E. Titcomb. No. 886,093; Apr. 28; Sp. p. 4997; Dr. pp. 1050-1; Gaz. vol. 133; p. 2070.
 Electric protective apparatus. C. A. Rolfe. No. 901,479; Oct. 20; Sp. p. 2978; Dr. p. 607; Gaz. vol. 136; p. 1598.
 Electric-railway line-interrupter. A. Thode. No. 904,902; Nov. 24; Sp. p. 4892; Gaz. vol. 137; p. 873.
 Electric regulation. M. Moskowitz. No. 893,936; July 21; Sp. p. 3241; Dr. p. 667; Gaz. vol. 135; p. 569.
 Electric regulator. T. M. Pusey. No. 897,147; Aug. 25; Sp. p. 4787; Dr. p. 1019; Gaz. vol. 135; p. 1740.
 Electric regulator, Automatic. W. L. Bliss. No. 891,589; June 23; Sp. p. 4880; Dr. p. 1051; Gaz. vol. 134; p. 1928.
 Electric resistance bodies, Producing. J. Krannichfeldt. No. 881,010; Mar. 3; Sp. p. 1046; Gaz. vol. 133; p. 178.
 Electric-resistance conductor. J. T. H. Dempster. No. 901,428; Oct. 20; Sp. p. 2848; Gaz. vol. 136; p. 1580.
 Electric selective system. F. D. Pearne. No. 894,044; July 21; Sp. p. 3434; Dr. p. 714; Gaz. vol. 135; p. 607.

Alphabetical list of inventions—Continued.

- Electric separator. H. A. Wentworth. No. 899,364; Sept. 22; Sp. p. 4190; Dr. p. 897; Gaz. vol. 136; p. 777.
- Electric service cut-out and meter-board, Combined. H. E. McGowan and E. R. Ellsworth. No. 891,561; June 23; Sp. p. 4818; Dr. pp. 1040-1; Gaz. vol. 134; p. 1900.
- Electric service cut-out and meter-panel. H. E. McGowan and E. R. Ellsworth. No. 898,771; Sept. 15; Sp. p. 3067; Dr. p. 657; Gaz. vol. 136; p. 557.
- Electric service wires and cables, Support for. E. H. Greenleaf and T. A. Dissel. No. 879,765; Feb. 18; Sp. p. 3848; Dr. p. 806; Gaz. vol. 132; p. 1533.
- Electric signal. A. J. Cleveland and F. S. Brown. No. 884,129; Apr. 7; Sp. p. 975; Dr. p. 202; Gaz. vol. 133; p. 1342.
- Electric signal. J. Rebar. No. 885,519; Apr. 21; Sp. p. 3775; Dr. p. 795; Gaz. vol. 133; p. 1853.
- Electric signaling system. E. E. Kleinschmidt. No. 905,327; Dec. 1; Sp. p. 386; Gaz. vol. 137; p. 1050.
- Electric signs, Electric-lamp receptacle for. F. W. Ruby. No. 904,728; Nov. 24; Sp. p. 4512; Gaz. vol. 137; p. 816.
- Electric snap-switch. W. S. Mayer. No. 892,670; July 7; Sp. p. 541; Dr. p. 114; Gaz. vol. 135; p. 96.
- Electric snap-switch. J. G. Peterson. No. 896,754; Aug. 25; Sp. p. 3939; Dr. p. 849; Gaz. vol. 135; p. 1607.
- Electric socket-switch. H. Hubbell. No. 892,375; June 30; Sp. p. 6441; Dr. p. 1390; Gaz. vol. 134; p. 2220.
- Electric sockets to fixtures, Means for locking. H. Hubbell. No. 900,854; Oct. 13; Sp. p. 1668; Dr. p. 337; Gaz. vol. 136; p. 1357.
- Electric spark-gap for interrupters. T. B. Kinraide. No. 884,499; Apr. 14; Sp. p. 1682; Dr. p. 362; Gaz. vol. 133; p. 1490.
- Electric sparking device. W. H. R. Mildebrath. No. 902,427; Oct. 27; Sp. p. 4949; Dr. p. 999; Gaz. vol. 136; p. 1935.
- Electric sterilizer for food products. M. R. Frei. No. 907,140; Dec. 22; Sp. p. 3912; Gaz. vol. 137; p. 1726.
- Electric supervisory and signaling system, Automatic. J. G. Nolen. No. 878,012; Feb. 4; Sp. p. 226; Dr. pp. 49-53; Gaz. vol. 132; p. 888.
- Electric switch. F. G. Baum. No. 875,978; Jan. 7; Sp. p. 569; Dr. pp. 122-3; Gaz. vol. 132; p. 99.
- Electric switch. H. Drewell. No. 876,701; Jan. 14; Sp. p. 2094; Dr. p. 456; Gaz. vol. 132; p. 370.
- Electric switch. C. G. Perkins. No. 876,910; Jan. 14; Sp. p. 2479; Dr. p. 542; Gaz. vol. 132; p. 437.
- Electric switch. W. F. Jones. No. 876,970; Jan. 21; Sp. p. 2637; Dr. pp. 572-3; Gaz. vol. 132; p. 497.
- Electric switch. E. M. Coffin. No. 881,300; Mar. 10; Sp. p. 1623; Dr. p. 347; Gaz. vol. 133; p. 302.
- Electric switch. G. Cutter. No. 881,306; Mar. 10; Sp. p. 1634; Dr. p. 349; Gaz. vol. 133; p. 304.
- Electric switch. S. Hoadley. No. 881,686; Mar. 10; Sp. p. 2366; Dr. p. 513; Gaz. vol. 133; p. 425.
- Electric switch. A. L. White. No. 883,366; Mar. 31; Sp. p. 5733; Dr. p. 1223; Gaz. vol. 133; p. 1065.
- Electric switch. H. H. Berry. No. 884,353; Apr. 14; Sp. p. 1390; Dr. p. 297; Gaz. vol. 133; p. 1441.
- Electric switch. A. R. Swoboda. No. 884,775; Apr. 14; Sp. p. 2281; Dr. p. 480; Gaz. vol. 133; p. 1583.
- Electric switch. B. Hughes and H. N. Young. No. 885,345; Apr. 21; Sp. p. 3464; Dr. p. 722; Gaz. vol. 133; p. 1800.
- Electric switch. A. A. Wohlaure. No. 889,566; June 2; Sp. p. 747; Dr. p. 172; Gaz. vol. 134; p. 1177.
- Electric switch. H. H. McIntire. No. 892,872; July 7; Sp. p. 957; Dr. p. 201; Gaz. vol. 135; p. 161.
- Electric switch. D. E. Gray. No. 893,160; July 14; Sp. p. 1576; Dr. pp. 333-4; Gaz. vol. 135; p. 287.
- Electric switch. J. T. Cooper. No. 895,345; Aug. 4; Sp. p. 1142; Dr. p. 240; Gaz. vol. 135; p. 1084.
- Electric switch. E. M. Coffin. (Reissue.) No. 12,841; Aug. 11; Sp. p. 2586; Dr. p. 562; Gaz. vol. 135; p. 1344.
- Electric switch. O. O. Rider. No. 897,492; Sept. 1; Sp. p. 513; Dr. p. 109; Gaz. vol. 136; p. 82.
- Electric switch. F. C. De Reamer. No. 897,525; Sept. 1; Sp. p. 588; Dr. p. 122; Gaz. vol. 136; p. 92.
- Electric switch. C. A. Clark. No. 899,205; Sept. 22; Sp. p. 3880; Dr. p. 829; Gaz. vol. 136; p. 726.
- Electric switch. C. W. Wachtel. No. 900,005; Sept. 29; Sp. p. 5522; Dr. p. 1177; Gaz. vol. 136; p. 1021.
- Electric switch. B. W. Allen. No. 906,361; Dec. 8; Sp. p. 2440; Gaz. vol. 137; p. 1419.
- Electric switch. M. Guett. No. 907,344; Dec. 22; Sp. p. 4325; Gaz. vol. 137; p. 1797.
- Electric switch. J. G. Peterson. No. 908,323; Dec. 29; Sp. p. 6406; Gaz. vol. 137; p. 2152.
- Electric switch and system of control. J. V. Mott. No. 898,766; Sept. 15; Sp. p. 3054; Dr. p. 655; Gaz. vol. 136; p. 555.
- Electric switch, Automatic. M. Mintz. No. 877,790; Jan. 28; Sp. p. 4281; Dr. p. 930; Gaz. vol. 132; p. 787.
- Electric switch, Automatic. A. H. Miller. No. 884,514; Apr. 14; Sp. p. 1716; Dr. p. 368; Gaz. vol. 133; p. 1495.
- Electric switch or cut-out. I. Kitsee. No. 876,809; Jan. 14; Sp. p. 2266; Dr. p. 499; Gaz. vol. 132; p. 403.
- Electric switch, Push-button. W. G. Mann. No. 876,207; Jan. 7; Sp. p. 1008; Dr. p. 219; Gaz. vol. 132; p. 172.
- Electric switch, Push-button. J. G. Peterson. No. 906,740; Dec. 15; Sp. p. 3138; Gaz. vol. 137; p. 1565.
- Electric switch, Quick-break. H. H. Howard. No. 900,736; Oct. 13; Sp. p. 1422; Dr. p. 289; Gaz. vol. 136; p. 1318.
- Electric-switch receptacle. J. G. Peterson. No. 906,739; Dec. 15; Sp. p. 3137; Gaz. vol. 137; p. 1564.
- Electric switch, Remote-control. J. S. Bristol. No. 900,658; Oct. 6; Sp. p. 1259; Dr. p. 257; Gaz. vol. 136; p. 1266.
- Electric switch, Time-controlled. R. B. Brauer. No. 890,403; June 9; Sp. p. 2438; Dr. pp. 539-40; Gaz. vol. 134; p. 1476.
- Electric switches, Push-button for. G. W. Goodridge. No. 902,962; Nov. 3; Sp. p. 863; Gaz. vol. 137; p. 143.
- Electric systems, Apparatus for the regulation of. G. A. Wells, Jr. (Reissue.) No. 12,793; May 12; Sp. p. 2859; Dr. p. 603; Gaz. vol. 134; p. 494.
- Electric telegraphy. I. Kitsee. No. 903,871; Nov. 17; Sp. p. 2709; Gaz. vol. 137; p. 500.
- Electric-tension regulator, Electromechanical. J. M. C. Herrgott. No. 903,613; Oct. 20; Sp. p. 3230; Dr. p. 662; Gaz. vol. 136; p. 1640.
- Electric terminal post. A. G. Wilson. No. 905,969; Dec. 8; Sp. p. 1681; Gaz. vol. 137; p. 1290.
- Electric time-alarm. E. Dubs. No. 875,698; Jan. 7; Sp. p. 37; Dr. p. 8; Gaz. vol. 132; p. 9.
- Electric time-switch. F. W. Brock. No. 876,293; Jan. 7; Sp. p. 1194; Dr. 260; Gaz. vol. 132; p. 201.
- Electric time-switch. R. F. S. Venner and R. C. Griesbach. No. 876,416; Jan. 14; Sp. p. 1465; Dr. pp. 314-15; Gaz. vol. 132; p. 271.
- Electric time-switch. J. J. Coachman. No. 884,130; Apr. 7; Sp. p. 977; Dr. p. 203; Gaz. vol. 133; p. 1342.
- Electric time-switch. C. G. Nylander and F. J. Regensburger. No. 885,513; Apr. 21; Sp. p. 3767; Dr. pp. 792-3; Gaz. vol. 133; p. 1851.
- Electric time-switch. J. Caudey. No. 897,585; Sept. 1; Sp. p. 704; Dr. p. 148; Gaz. vol. 136; p. 112.
- Electric time-switch. O. P. Noisom and C. J. Lindewald. No. 907,088; Dec. 15; Sp. p. 3780; Gaz. vol. 137; p. 1673.
- Electric traction-elevator. D. C. Suplee. No. 905,114; Nov. 24; Sp. p. 5304; Gaz. vol. 137; p. 944.
- Electric traction system. S. H. Hoopes, Jr. No. 891,619; June 23; Sp. p. 4938; Dr. p. 1064; Gaz. vol. 134; p. 1939.
- Electric transformer-furnace. O. Frick. No. 893,618; July 21; Sp. p. 2524; Dr. p. 526; Gaz. vol. 135; p. 465.
- Electric transmission of intelligence. I. Kitsee. No. 879,650; Feb. 18; Sp. p. 3628; Dr. p. 758; Gaz. vol. 132; p. 1496.
- Electric transmission of intelligence. I. Kitsee. No. 879,651; Feb. 18; Sp. p. 3629; Dr. p. 758; Gaz. vol. 132; p. 1496.
- Electric transmission of intelligence. I. Kitsee. No. 883,723; Apr. 7; Sp. p. 90; Dr. p. 15; Gaz. vol. 133; p. 1207.
- Electric transmission of intelligence. I. Kitsee. No. 883,724; Apr. 7; Sp. p. 91; Dr. p. 15; Gaz. vol. 133; p. 1207.
- Electric transmission of intelligence. I. Kitsee. No. 889,788; June 2; Sp. p. 1164; Dr. p. 269; Gaz. vol. 134; p. 1248.
- Electric-vehicle motor-control system. M. R. Hanna. No. 905,697; Dec. 1; Sp. p. 1160; Gaz. vol. 137; p. 1171.
- Electric vibrator. J. M. Dinkins. No. 881,114; Mar. 10; Sp. p. 1238; Dr. p. 266; Gaz. vol. 133; p. 240.
- Electric waves, Means for receiving intelligence communicated by. G. W. Pickard. No. 877,451; Jan. 21; Sp. p. 3610; Dr. p. 782; Gaz. vol. 132; p. 657.
- Electric waves, Oscillation-detecting means for receiving intelligence communicated by. G. W. Pickard. No. 904,222; Nov. 17; Sp. p. 3450; Gaz. vol. 137; p. 620.
- Electric welding. L. S. Lachman. No. 904,540; Nov. 24; Sp. p. 4127; Gaz. vol. 137; p. 752.
- Electric welding. L. S. Lachman. No. 904,881; Nov. 24; Sp. p. 4853; Gaz. vol. 137; p. 867.
- Electric welding. L. S. Lachman. No. 904,882; Nov. 24; Sp. p. 4855; Gaz. vol. 137; p. 867.
- Electric-welding rotary converter. A. M. Hoffman. No. 904,782; Nov. 24; Sp. p. 4637; Gaz. vol. 137; p. 834.
- Electric-wire conduit. H. C. Freeman. No. 896,984; Aug. 25; Sp. p. 4462; Dr. p. 953; Gaz. vol. 135; p. 1685.
- Electric-wire connector. C. J. G. Keiner. No. 889,786; June 2; Sp. p. 1161; Dr. p. 269; Gaz. vol. 134; p. 1247.
- Electric-wire grounding-clamp. W. H. Vibber. No. 905,773; Dec. 1; Sp. p. 1306; Gaz. vol. 137; p. 1197.
- Electric-wire hanger. D. S. Beyer. No. 887,578; May 12; Sp. p. 2536; Dr. p. 535; Gaz. vol. 134; p. 437.
- Electric-wire outlet-box. J. Fountain, Jr. No. 905,066; Nov. 24; Sp. p. 5198; Gaz. vol. 137; p. 928.
- Electric-wire seal. O. W. Neal, B. W. Shaw, and H. J. Howarth. No. 905,349; Dec. 1; Sp. p. 439; Gaz. vol. 137; p. 1057.
- Electric-wire splicer. C. J. Dorff. No. 891,825; June 30; Sp. p. 5393; Dr. p. 1166; Gaz. vol. 134; p. 2041.
- Electric-wire support, Adjustable. A. W. Bensley. No. 903,807; Nov. 10; Sp. p. 2551; Gaz. vol. 137; p. 445.
- Electric-wire terminal. B. Morgan. No. 906,448; Dec. 8; Sp. p. 2591; Gaz. vol. 137; p. 1445.
- Electric wires, Combined fused connector and lightning-arrester for. F. C. Woods. No. 883,272; Mar. 31; Sp. p. 5550; Dr. p. 1184; Gaz. vol. 133; p. 1036.
- Electric wires, Grounding-clamp for. W. H. Vibber. No. 899,636; Sept. 29; Sp. p. 4749; Dr. p. 1016; Gaz. vol. 136; p. 902.
- Electric wires, Junction-box for. L. P. Blumeister. No. 876,619; Jan. 14; Sp. p. 1928; Dr. pp. 420-1; Gaz. vol. 132; p. 343.
- Electric wires, Swivel-joint for. H. A. Black. No. 892,928; July 7; Sp. p. 1085; Dr. p. 228; Gaz. vol. 135; p. 180.
- Electric wires, Tool for. H. B. Barnes. No. 878,493; Feb. 11; Sp. p. 1233; Dr. p. 255; Gaz. vol. 132; p. 1080.
- Electrical accumulator. C. Busch. No. 901,322; Oct. 20; Sp. p. 2588; Dr. p. 532; Gaz. vol. 136; p. 1541.
- Electrical apparatus. R. P. Jackson. No. 888,901; May 26; Sp. p. 5218; Dr. p. 1106; Gaz. vol. 134; p. 933.
- Electrical apparatus. C. J. Klein. No. 891,263; June 23; Sp. p. 4202; Dr. p. 920; Gaz. vol. 134; p. 1822.
- Electrical apparatus. C. J. Klein. No. 896,838; Aug. 25; Sp. p. 4132; Dr. p. 886; Gaz. vol. 135; p. 1637.

Alphabetical list of inventions—Continued.

- Electrical apparatus. K. C. Randall. No. 905,922; Dec. 8; Sp. p. 1603; Gaz. vol. 137; p. 1277.
 Electrical apparatus, Mounting for. M. E. Launbranch. No. 892,167; June 30; Sp. p. 6050; Dr. p. 1301; Gaz. vol. 134; p. 2152.
 Electrical-circuit protector. C. A. Rolfe. No. 898,509; Sept. 15; Sp. p. 2562; Dr. p. 548; Gaz. vol. 136; p. 473.
 Electrical condenser. G. W. Pickard. No. 893,811; July 21; Sp. p. 2989; Dr. p. 613; Gaz. vol. 135; p. 530.
 Electrical condenser. W. C. Shinn. No. 907,296; Dec. 22; Sp. p. 4245; Gaz. vol. 137; p. 1781.
 Electrical conducting-cord. G. F. Atwood. No. 896,700; Aug. 25; Sp. p. 3817; Dr. p. 826; Gaz. vol. 135; p. 1589.
 Electrical-conductor connecting device. E. B. Fahnstock. No. 895,545; Aug. 11; Sp. p. 1549; Dr. pp. 327-8; Gaz. vol. 135; p. 1174.
 Electrical-conductor coupling. W. C. Hafemeister. No. 893,163; July 14; Sp. p. 1580; Dr. p. 334; Gaz. vol. 135; p. 287.
 Electrical-conductor for dynamos. W. J. Richards. No. 905,230; Dec. 1; Sp. p. 221; Gaz. vol. 137; p. 1020.
 Electrical-conductor support. F. B. H. Paine. No. 889,803; June 2; Sp. p. 1190; Dr. p. 276; Gaz. vol. 134; p. 1253.
 Electrical-conductor support. J. S. Allen. No. 904,592; Nov. 24; Sp. p. 4227; Gaz. vol. 137; p. 770.
 Electrical conductors, Connector for. F. B. Cook. No. 901,422; Oct. 20; Sp. p. 2835; Dr. p. 580; Gaz. vol. 136; p. 1578.
 Electrical conductors, Connector for. C. W. Beck. No. 906,370; Dec. 8; Sp. p. 2453; Gaz. vol. 137; p. 1421.
 Electrical conductors, Junction-box for. J. F. Burns. No. 892,220; June 30; Sp. p. 6154; Dr. p. 1325; Gaz. vol. 134; p. 2169.
 Electrical conductors, Junction-box for. J. F. Burns. No. 898,182; Sept. 8; Sp. p. 1939; Dr. p. 414; Gaz. vol. 136; p. 336.
 Electrical conductors, Means of forming joints in. H. G. Gillmor. No. 880,789; Mar. 3; Sp. p. 604; Dr. p. 128; Gaz. vol. 133; p. 105.
 Electrical conductors, Underground system of laying. W. Schreiber. No. 876,241; Jan. 7; Sp. p. 1077; Dr. pp. 234-5; Gaz. vol. 132; p. 183.
 Electrical conduits, Junction-box for. A. McMurtrie. No. 882,337; Mar. 17; Sp. p. 3700; Dr. p. 787; Gaz. vol. 133; p. 666.
 Electrical connection. H. R. Read. No. 885,864; Apr. 28; Sp. p. 4519; Dr. p. 948; Gaz. vol. 133; p. 1995.
 Electrical connection. G. H. Jacob and J. L. Hagadorn. No. 886,811; May 5; Sp. p. 977; Dr. p. 205; Gaz. vol. 134; p. 159.
 Electrical connection. W. H. Briggs. No. 908,389; Dec. 29; Sp. p. 6551; Gaz. vol. 137; p. 2175.
 Electrical connection device and the like, Flexible. C. A. Keller. No. 891,343; June 23; Sp. p. 4380; Dr. p. 953; Gaz. vol. 134; p. 1849.
 Electrical-connection plug. W. S. Mayer. No. 892,755; July 7; Sp. p. 714; Dr. p. 151; Gaz. vol. 135; p. 123.
 Electrical connector. J. L. Carnall. No. 884,312; Apr. 7; Sp. p. 1293; Dr. p. 274; Gaz. vol. 133; p. 1399.
 Electrical connector. P. E. Gilling. No. 905,812; Dec. 1; Sp. p. 1376; Gaz. vol. 137; p. 1209.
 Electrical contact. R. F. Le Brocq. No. 887,822; May 19; Sp. p. 3028; Dr. p. 636; Gaz. vol. 134; p. 548.
 Electrical contact device. F. Fink. No. 877,919; Feb. 4; Sp. p. 50; Dr. p. 10; Gaz. vol. 132; p. 857.
 Electrical contact-maker. J. H. Hart. No. 903,568; Nov. 10; Sp. p. 2071; Gaz. vol. 137; p. 370.
 Electrical contact terminal. C. W. Clifford. No. 891,039; June 16; Sp. p. 3758; Dr. p. 820; Gaz. vol. 134; p. 1719.
 Electrical control system. H. L. Van Valkenburg. No. 888,557; May 26; Sp. p. 4467; Dr. p. 946; Gaz. vol. 134; p. 819.
 Electrical cut-out. P. T. McNally. No. 887,501; May 12; Sp. p. 2397; Dr. p. 505; Gaz. vol. 134; p. 412.
 Electrical distributing-rack. C. A. Rolfe. No. 876,400; Jan. 14; Sp. p. 1434; Dr. p. 308; Gaz. vol. 132; p. 266.
 Electrical distribution. J. L. Woodbridge. No. 880,706; Mar. 3; Sp. p. 426; Dr. p. 91; Gaz. vol. 133; p. 76.
 Electrical distribution. J. S. Highfield. No. 885,847; Apr. 28; Sp. p. 4487; Dr. p. 942; Gaz. vol. 133; p. 1989.
 Electrical-distribution system. R. S. McLeod. No. 878,661; Feb. 11; Sp. p. 1648; Dr. pp. 338-9; Gaz. vol. 132; p. 1136.
 Electrical-distribution system. R. M. Palmer. No. 879,307; Feb. 18; Sp. p. 2902; Dr. p. 605; Gaz. vol. 132; p. 1385.
 Electrical-distribution system. J. L. Woodbridge. No. 880,705; Mar. 3; Sp. p. 423; Dr. p. 90; Gaz. vol. 133; p. 76.
 Electrical-distribution system. R. N. Chamberlain. No. 882,872; Mar. 24; Sp. p. 4743; Dr. p. 1009; Gaz. vol. 133; p. 874.
 Electrical-distribution system. A. S. Hubbard. No. 885,754; Apr. 28; Sp. p. 4293; Dr. p. 899; Gaz. vol. 133; p. 1957.
 Electrical-distribution system. A. S. Hubbard. No. 885,755; Apr. 28; Sp. p. 4296; Dr. pp. 899-900; Gaz. vol. 133; p. 1958.
 Electrical-distribution system. A. S. Hubbard. No. 886,371; May 5; Sp. p. 55; Dr. p. 12; Gaz. vol. 134; p. 14.
 Electrical-distribution system. A. S. Hubbard. No. 886,372; May 5; Sp. p. 58; Dr. p. 12; Gaz. vol. 134; p. 14.
 Electrical-distribution system. J. L. Woodbridge. No. 889,567; June 2; Sp. p. 748; Dr. p. 172; Gaz. vol. 134; p. 1178.
 Electrical-distribution system. O. O. Kruh. No. 894,668; July 28; Sp. p. 4769; Dr. p. 990; Gaz. vol. 135; p. 832.
 Electrical-distribution system. R. C. Hull. No. 895,760; Aug. 11; Sp. p. 1965; Dr. p. 416; Gaz. vol. 135; p. 1243.
 Electrical-distribution system. J. L. Woodbridge. No. 895,823; Aug. 11; Sp. p. 2101; Dr. p. 446; Gaz. vol. 135; p. 1263.
 Electrical-distribution system. J. L. Woodbridge. No. 895,825; Aug. 11; Sp. p. 2107; Dr. p. 447; Gaz. vol. 135; p. 1263.
 Electrical-distribution system. M. O. Troy. No. 897,501; Sept. 1; Sp. p. 532; Dr. p. 113; Gaz. vol. 136; p. 85.
 Electrical-distribution system. J. L. Woodbridge. No. 897,950; Sept. 8; Sp. p. 1474; Dr. p. 314; Gaz. vol. 136; p. 262.
 Electrical-distribution system. W. A. Turbayne. No. 899,145; Sept. 22; Sp. p. 3756; Dr. p. 805; Gaz. vol. 136; p. 707.
 Electrical-distribution system. A. S. Hubbard. No. 899,535; Sept. 29; Sp. p. 4521; Dr. p. 971; Gaz. vol. 136; p. 868.
 Electrical-distribution system. O. O. Kruh. No. 900,745; Oct. 13; Sp. p. 1439; Dr. p. 292; Gaz. vol. 136; p. 1321.
 Electrical-distribution system. J. H. Tracy. No. 902,777; Nov. 3; Sp. p. 469; Gaz. vol. 137; p. 82.
 Electrical-distribution system. C. D. Haskins. No. 904,776; Nov. 24; Sp. p. 4624; Gaz. vol. 137; p. 832.
 Electrical-distribution system. W. L. Bliss. No. 904,925; Nov. 24; Sp. p. 4934; Gaz. vol. 137; p. 881.
 Electrical-distribution system. J. L. Woodbridge. No. 905,971; Dec. 8; Sp. p. 1683; Gaz. vol. 137; p. 1290.
 Electrical-distribution system. P. H. Thomas. No. 908,167; Dec. 29; Sp. p. 6062; Gaz. vol. 137; p. 2098.
 Electrical fitting. F. A. Swan. No. 877,384; Jan. 21; Sp. p. 3484; Dr. p. 756; Gaz. vol. 132; p. 635.
 Electrical fitting. E. B. Wilcox. No. 898,540; Sept. 15; Sp. p. 2628; Dr. p. 562; Gaz. vol. 136; p. 483.
 Electrical generators, Method of operating and system of control for. B. G. Lamme. No. 888,912; May 26; Sp. p. 5235; Dr. p. 1110; Gaz. vol. 134; p. 937.
 Electrical heating apparatus. C. D. Babcock. No. 906,990; Dec. 15; Sp. p. 3607; Gaz. vol. 137; p. 1642.
 Electrical impulse-recorder. A. K. Sloan, Jr. No. 897,670; Sept. 1; Sp. p. 872; Dr. p. 187; Gaz. vol. 136; p. 139.
 Electrical insulation, System of. F. M. Locke. No. 903,875; Nov. 17; Sp. p. 2717; Gaz. vol. 137; p. 501.
 Electrical interrupter. H. M. Sutton and W. L. and E. G. Steele. No. 905,115; Nov. 24; Sp. p. 5310; Gaz. vol. 137; p. 945.
 Electrical line-protector. F. B. Cook. No. 883,626; Mar. 31; Sp. p. 6272; Dr. p. 1338; Gaz. vol. 133; p. 1148.
 Electrical oscillations, Detecting. G. Marconi. No. 884,988; Apr. 14; Sp. p. 2691; Dr. p. 571; Gaz. vol. 133; p. 1648.
 Electrical plug and receptacle. P. C. Brown. No. 881,371; Mar. 10; Sp. p. 1767; Dr. p. 381; Gaz. vol. 133; p. 324.
 Electrical protective apparatus. J. A. Kenny. No. 882,892; Mar. 24; Sp. p. 4777; Dr. p. 1016; Gaz. vol. 133; p. 879.
 Electrical protective apparatus. F. B. Cook. No. 903,812; Nov. 10; Sp. p. 2559; Gaz. vol. 137; p. 447.
 Electrical recording instrument. L. T. Robinson. No. 882,586; Mar. 24; Sp. p. 4162; Dr. pp. 882-3; Gaz. vol. 133; p. 780.
 Electrical register and system therefor. L. A. Schmidt. No. 876,595; Jan. 14; Sp. p. 1862; Dr. pp. 407-8; Gaz. vol. 132; p. 335.
 Electrical-regulation system. M. Moskowitz. No. 886,395; May 5; Sp. p. 106; Dr. p. 21; Gaz. vol. 134; p. 23.
 Electrical resistance, Adjustable. F. O. Ball. No. 882,610; Mar. 24; Sp. p. 4214; Dr. p. 892; Gaz. vol. 133; p. 789.
 Electrical sealing-cap apparatus. J. G. Swallow. No. 905,761; Dec. 1; Sp. p. 1284; Gaz. vol. 137; p. 1193.
 Electrical separation of particles from a fluid stream, Apparatus for. L. N. Morscher. No. 888,638; May 26; Sp. p. 4642; Dr. p. 985; Gaz. vol. 134; p. 847.
 Electrical switch. J. D. Hilliard, Jr., and C. E. Parsons. No. 887,723; May 12; Sp. p. 2801; Dr. pp. 592-3; Gaz. vol. 134; p. 486.
 Electrical system of distribution. W. E. Winship. No. 887,052; May 5; Sp. p. 1410; Dr. p. 299; Gaz. vol. 134; p. 235.
 Electrical-system protective device. K. Kuhlmann. No. 897,211; Aug. 25; Sp. p. 4891; Dr. p. 1042; Gaz. vol. 135; p. 1758.
 Electrical system, Thermo-. W. H. Bristol. No. 880,272; Feb. 25; Sp. p. 4920; Dr. p. 1041; Gaz. vol. 132; p. 1734.
 Electrical testing instrument. C. D. Jarvis. No. 896,300; Aug. 18; Sp. p. 3026; Dr. p. 651; Gaz. vol. 135; p. 1439.
 Electrical transmission apparatus. S. Evershed. No. 877,312; Jan. 21; Sp. p. 3357; Dr. pp. 727-8; Gaz. vol. 132; p. 612.
 Electrical transmission of designs, figures, and photographs, Means for. G. J. D. Garcia. No. 906,405; Dec. 8; Sp. p. 2504; Gaz. vol. 137; p. 1431.
 Electrical vapor apparatus. H. L. Campbell and J. L. Watts. No. 878,710; Feb. 11; Sp. p. 1744; Dr. p. 361; Gaz. vol. 132; p. 1153.
 Electrical-wiring knob. H. W. Lawrence. No. 907,251; Dec. 22; Sp. p. 4160; Gaz. vol. 137; p. 1765.
 Electrically-controlled lock. F. W. Marvel. No. 902,244; Oct. 27; Sp. p. 4542; Dr. p. 921; Gaz. vol. 136; p. 1873.
 Electrically-controlled switch. A. S. Cubitt. No. 901,424; Oct. 20; Sp. p. 2839; Dr. p. 580; Gaz. vol. 136; p. 1579.
 Electrically-operated switch. H. F. Starrett. No. 883,059; Mar. 24; Sp. p. 5093; Dr. pp. 1087-8; Gaz. vol. 133; p. 935.
 Electricity, Apparatus for neutralizing static. W. H. Chapman. No. 900,830; Oct. 13; Sp. p. 1626; Dr. p. 329; Gaz. vol. 136; p. 1350.
 Electricity-meter. G. A. Scheffer. No. 905,934; Dec. 8; Sp. p. 1620; Gaz. vol. 137; p. 1279.
 Electricity-meter, Prepayment. G. Hookham and S. H. Holden. No. 907,149; Dec. 22; Sp. p. 3928; Gaz. vol. 137; p. 1729.
 Electricity, Neutralizing static. W. H. Chapman. No. 878,273; Feb. 4; Sp. p. 779; Dr. p. 156; Gaz. vol. 132; p. 974.
 Electricity-removing means, Static-. W. H. Chapman. No. 904,248; Nov. 17; Sp. p. 3514; Gaz. vol. 137; p. 628.
 Electricity, System for the generation and distribution of. T. H. McAdory. No. 895,490; Aug. 11; Sp. p. 1438; Dr. p. 302; Gaz. vol. 135; p. 1155.
 Electricity, Thermochemical generation of. L. P. Basset. No. 895,715; Aug. 11; Sp. p. 1875; Dr. p. 397; Gaz. vol. 135; p. 1228.
 Electrode. M. Ruthenburg. No. 882,169; Mar. 17; Sp. p. 3388; Gaz. vol. 133; p. 612.
 Electrode. H. S. Blackmore. No. 893,565; July 14; Sp. p. 2417; Dr. p. 503; Gaz. vol. 135; p. 418.
 Electrode. H. Pauling. No. 896,144; Aug. 18; Sp. p. 2707; Dr. p. 584; Gaz. vol. 135; p. 1387.
 Electrode. A. G. Davis. No. 905,666; Dec. 1; Sp. p. 1097; Gaz. vol. 137; p. 1161.

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- Electrode, Accumulator-. L. Strasser. No. 894,238; July 28; Sp. p. 3896; Gaz. vol. 135; p. 690.
- Electrode and making the same, Arc-light. C. F. Lindsay. No. 897,548; Sept. 1; Sp. p. 631; Dr. p. 130; Gaz. vol. 136; p. 99.
- Electrode, Arc-lamp. W. S. Weedon. No. 883,924; Apr. 7; Sp. p. 513; Dr. p. 101; Gaz. vol. 133; p. 1274.
- Electrode, Carbon. J. T. Szek. No. 901,497; Oct. 20; Sp. p. 3013; Dr. p. 615; Gaz. vol. 136; p. 1603.
- Electrode containing metal within the same, Arc-light. H. Viertel. No. 880,055; Feb. 25; Sp. p. 4484; Dr. p. 942; Gaz. vol. 132; p. 1662.
- Electrode element for storage batteries. T. A. Edison. No. 880,978; Mar. 3; Sp. p. 982; Dr. p. 212; Gaz. vol. 133; p. 167.
- Electrode for arc-lamps. G. M. Little. No. 889,937; June 9; Sp. p. 1468; Dr. p. 333; Gaz. vol. 134; p. 1322.
- Electrode for arc-lamps. W. R. Whitney. No. 902,354; Oct. 27; Sp. p. 4793; Gaz. vol. 136; p. 1912.
- Electrode for arc-lamps. F. Janacek. No. 903,383; Nov. 10; Sp. p. 1685; Gaz. vol. 137; p. 308.
- Electrode for electric furnaces. F. M. Becket. No. 896,429; Aug. 18; Sp. p. 3286; Dr. p. 706; Gaz. vol. 135; p. 1480.
- Electrode for electric furnaces and making the same. E. F. Price and F. J. Tone. No. 887,123; May 12; Sp. p. 1562; Gaz. vol. 134; p. 287.
- Electrode for electric furnaces, Sectional. C. E. Wilson. No. 881,520; Mar. 10; Sp. p. 2045; Dr. p. 447; Gaz. vol. 133; p. 372.
- Electrode for electrical bleaching apparatus, Carbon. P. Schoop. No. 880,579; Mar. 3; Sp. p. 134; Dr. p. 40; Gaz. vol. 133; p. 33.
- Electrode for electrolytic or liquid oscillation-detectors for wireless telegraphy. L. de Forest. No. 894,317; July 28; Sp. p. 4066; Dr. p. 840; Gaz. vol. 135; p. 717.
- Electrode for electrolytic purposes. P. Ferchland and J. Nussbaum. No. 900,502; Oct. 6; Sp. p. 933; Dr. p. 189; Gaz. vol. 136; p. 1214.
- Electrode for reversible galvanic batteries. E. W. Jungner. No. 884,930; Apr. 14; Sp. p. 2581; Dr. p. 544; Gaz. vol. 133; p. 1630.
- Electrode for the evolution of ozone from oxygen or atmospheric air. J. R. Craig, Jr. No. 894,818; Aug. 4; Sp. p. 31; Dr. pp. 6-7; Gaz. vol. 135; p. 906.
- Electrode for the recovery of metals from solutions by electrolysis. S. B. Christy. No. 883,170; Mar. 31; Sp. p. 5330; Dr. pp. 1136-7; Gaz. vol. 133; p. 1001.
- Electrode-holder for electric smelting-furnaces. C. E. Wilson. No. 881,519; Mar. 10; Sp. p. 2043; Dr. pp. 446-7; Gaz. vol. 133; p. 372.
- Electrode lightning-arrester. F. B. Cook. No. 896,802; Aug. 25; Sp. p. 4047; Dr. p. 871; Gaz. vol. 135; p. 1624.
- Electrode, Negative-pole accumulator-. E. Sokal. No. 905,599; Dec. 1; Sp. p. 978; Gaz. vol. 137; p. 1140.
- Electrode, Storage-battery. J. W. Aylsworth. No. 880,957; Mar. 3; Sp. p. 948; Dr. p. 205; Gaz. vol. 133; p. 160.
- Electrode, Storage-battery. T. A. Edison. No. 882,144; Mar. 17; Sp. p. 3311; Dr. p. 706; Gaz. vol. 133; p. 603.
- Electrodes and preparing the same, Metallic film for use with storage-battery. T. A. Edison. No. 896,811; Aug. 25; Sp. p. 4067; Gaz. vol. 135; p. 1627.
- Electrodes, Making. E. W. Jungner. No. 880,027; Feb. 25; Sp. p. 4417; Gaz. vol. 132; p. 1653.
- Electrodes, Making storage-battery. T. A. Edison. No. 880,979; Mar. 3; Sp. p. 987; Dr. p. 212; Gaz. vol. 133; p. 167.
- Electrodeposits, Producing poreless and well-adhering. H. Schmidt. No. 880,405; Feb. 25; Sp. p. 5182; Gaz. vol. 132; p. 1777.
- Electrodynamical brake. F. W. Newell. No. 893,536; July 14; Sp. p. 2333; Dr. p. 490; Gaz. vol. 135; p. 408.
- Electrolysis to scouring and squeezing machines, Application of. J. M. J. Baudot. No. 895,144; Aug. 4; Sp. p. 729; Dr. p. 152; Gaz. vol. 135; p. 1016.
- Electrolyte. A. Van Winkle. No. 901,758; Oct. 20; Sp. p. 3564; Gaz. vol. 136; p. 1689.
- Electrolyte. E. C. Broadwell. No. 905,837; Dec. 8; Sp. p. 1436; Gaz. vol. 137; p. 1249.
- Electrolyte for electroplating. O. Meyer. No. 902,755; Nov. 3; Sp. p. 435; Gaz. vol. 137; p. 75.
- Electrolytic apparatus. B. E. F. Rhodin. No. 885,083; Apr. 21; Sp. p. 2885; Dr. p. 612; Gaz. vol. 133; p. 1712.
- Electrolytic apparatus. M. Ruthenburg. No. 898,785; Sept. 15; Sp. p. 3092; Dr. p. 662; Gaz. vol. 136; p. 562.
- Electrolytic apparatus. P. Borgett. No. 903,164; Nov. 10; Sp. p. 1259; Gaz. vol. 137; p. 237.
- Electrolytic apparatus. E. D. Chaplin. No. 906,104; Dec. 8; Sp. p. 1951; Gaz. vol. 137; p. 1333.
- Electrolytic apparatus for electrolysis of metallic salts. W. H. Rines. No. 878,425; Feb. 4; Sp. p. 1065; Dr. p. 216; Gaz. vol. 132; p. 1024.
- Electrolytic cell. A. S. Gray. No. 884,015; Apr. 7; Sp. p. 701; Dr. pp. 141-2; Gaz. vol. 133; p. 1304.
- Electrolytic cell. G. A. Gabriel. No. 884,653; Apr. 14; Sp. p. 2030; Dr. p. 434; Gaz. vol. 133; p. 1541.
- Electrolytic cell. R. B. Ingram. No. 891,995; June 30; Sp. p. 5728; Dr. p. 1232; Gaz. vol. 134; p. 2096.
- Electrolytic cell. G. C. Landis. No. 896,555; Aug. 18; Sp. p. 3541; Dr. p. 761; Gaz. vol. 135; p. 1522.
- Electrolytic cell. G. C. Landis. No. 897,633; Sept. 1; Sp. p. 798; Dr. p. 168; Gaz. vol. 136; p. 127.
- Electrolytic meter. G. Hookham and S. H. Holden. No. 889,929; June 9; Sp. p. 1454; Dr. pp. 328-9; Gaz. vol. 134; p. 1320.
- Electromagnet. W. K. Howe. No. 880,888; Mar. 3; Sp. p. 826; Dr. p. 175; Gaz. vol. 133; p. 139.
- Electromagnet. H. Rowntree. No. 886,869; May 5; Sp. p. 1070; Dr. p. 225; Gaz. vol. 134; p. 176.
- Electromagnet. H. Rowntree. No. 886,870; May 5; Sp. p. 1074; Dr. p. 225; Gaz. vol. 134; p. 176.
- Electromagnet. D. L. Lindquist. No. 892,065; June 30; Sp. p. 3533; Dr. p. 1259; Gaz. vol. 134; p. 2118.
- Electromagnet. H. W. Cheney. No. 893,305; July 14; Sp. p. 1848; Dr. p. 387; Gaz. vol. 135; p. 333.
- Electromagnet. B. W. Sweet. No. 902,624; Nov. 3; Sp. p. 185; Gaz. vol. 137; p. 31.
- Electromagnet. G. W. Henry. No. 904,871; Nov. 24; Sp. p. 4836; Gaz. vol. 137; p. 864.
- Electromagnet for telegraphons. P. O. Pedersen and V. Poulsen. No. 900,304; Oct. 6; Sp. p. 492; Dr. p. 103; Gaz. vol. 136; p. 1150.
- Electromagnet-relay. G. Babcock. No. 907,714; Dec. 29; Sp. p. 5129; Gaz. vol. 137; p. 1948.
- Electromagnets, Construction of. A. F. Berry. No. 896,886; Aug. 25; Sp. p. 4221; Dr. p. 903; Gaz. vol. 135; p. 1652.
- Electromagnetic brake. H. Snodgrass. No. 880,249; Feb. 25; Sp. p. 4875; Dr. p. 1031; Gaz. vol. 132; p. 1727.
- Electromagnetic effects, Telephonic protector against. C. Dué. No. 890,850; June 16; Sp. p. 3370; Dr. p. 738; Gaz. vol. 134; p. 1656.
- Electromagnetic motor. A. H. Beard. No. 883,276; Mar. 31; Sp. p. 5556; Dr. p. 1186; Gaz. vol. 133; p. 1037.
- Electromagnetic switch. W. MacMillan. No. 897,215; Aug. 25; Sp. p. 4897; Dr. p. 1044; Gaz. vol. 135; p. 1759.
- Electromagnetic switch. T. E. Barnum. No. 905,782; Dec. 1; Sp. p. 1320; Gaz. vol. 137; p. 1200.
- Electromagnetic waves, Means for producing. J. Murgas. No. 876,383; Jan. 14; Sp. p. 1392; Dr. p. 300; Gaz. vol. 132; p. 260.
- Electromechanical device. G. H. Rowe. No. 894,782; July 28; Sp. p. 4974; Dr. p. 1038; Gaz. vol. 135; p. 867.
- Electromechanical movement. G. H. Davis. No. 895,242; Aug. 4; Sp. p. 953; Dr. p. 200; Gaz. vol. 135; p. 1051.
- Electromedical apparatus. R. H. Wappler. No. 903,640; Nov. 10; Sp. p. 2221; Gaz. vol. 137; p. 393.
- Electromedical appliance. S. H. Lackland. No. 879,777; Feb. 18; Sp. p. 3870; Dr. p. 810; Gaz. vol. 132; p. 1537.
- Electromedical battery. E. T. Otto. No. 889,542; June 2; Sp. p. 701; Dr. p. 161; Gaz. vol. 134; p. 1170.
- Electroplating apparatus. G. A. Lutz. No. 881,810; Mar. 10; Sp. p. 2611; Dr. p. 561; Gaz. vol. 133; p. 465.
- Electroplating apparatus. G. A. Lutz. No. 881,811; Mar. 10; Sp. p. 2613; Dr. p. 561; Gaz. vol. 133; p. 466.
- Electroplating apparatus. C. E. De Long. No. 887,776; May 19; Sp. p. 2937; Dr. p. 618; Gaz. vol. 134; p. 533.
- Electroplating apparatus. J. T. Daniels. No. 888,067; May 19; Sp. p. 3496; Dr. p. 732; Gaz. vol. 134; p. 627.
- Electroplating apparatus. J. T. Daniels. No. 888,068; May 19; Sp. p. 3498; Dr. pp. 732-3; Gaz. vol. 134; p. 628.
- Electroplating apparatus. W. R. King. No. 888,093; May 19; Sp. p. 3551; Dr. p. 742; Gaz. vol. 134; p. 636.
- Electroplating apparatus. G. A. Lutz. No. 899,226; Sept. 22; Sp. p. 3915; Dr. p. 836; Gaz. vol. 136; p. 733.
- Electroplating apparatus. J. A. Yuncik. No. 900,340; Oct. 6; Sp. p. 563; Dr. p. 117; Gaz. vol. 136; p. 1161.
- Electroplating apparatus. J. T. Daniels. No. 901,280; Oct. 13; Sp. p. 2494; Dr. pp. 511-12; Gaz. vol. 136; p. 1492.
- Electroplating apparatus. A. Van Winkle and J. T. Daniels. No. 901,399; Oct. 20; Sp. p. 2786; Dr. pp. 567-8; Gaz. vol. 136; p. 1570.
- Electroplating apparatus. A. Van Winkle and J. T. Daniels. No. 907,425; Dec. 22; Sp. p. 4497; Gaz. vol. 137; p. 1824.
- Electroplating apparatus. A. Van Winkle and J. T. Daniels. No. 907,426; Dec. 22; Sp. p. 4501; Gaz. vol. 137; p. 1824.
- Electroplating apparatus, Basket raising and lowering device for. W. R. King. No. 882,783; Mar. 24; Sp. p. 4543; Dr. p. 970; Gaz. vol. 133; p. 844.
- Electroplating-holder. W. Y. Buck. No. 889,103; May 26; Sp. p. 5608; Dr. p. 1187; Gaz. vol. 134; p. 996.
- Electroplating, Making articles by. T. A. Edison. No. 898,404; Sept. 8; Sp. p. 2335; Dr. p. 496; Gaz. vol. 136; p. 406.
- Electroplating metal sheets, Apparatus for. H. L. Hollis. No. 900,169; Oct. 6; Sp. p. 204; Dr. p. 42; Gaz. vol. 136; p. 1106.
- Electroplating method and apparatus. G. A. Lutz. No. 902,892; Nov. 3; Sp. p. 737; Gaz. vol. 137; p. 122.
- Electroplating rods, pipes, &c., Means for. D. H. Murphy. No. 891,361; June 23; Sp. p. 4414; Dr. pp. 960-1; Gaz. vol. 134; p. 1855.
- Electropneumatic brake. W. V. Turner. No. 902,184; Oct. 27; Sp. p. 4424; Dr. p. 896; Gaz. vol. 136; p. 1855.
- Electropneumatic drill. O. S. Proctor. No. 879,828; Feb. 18; Sp. p. 3980; Dr. pp. 833-4; Gaz. vol. 132; p. 1555.
- Electropneumatic machine. W. K. Rankin. No. 877,369; Jan. 21; Sp. p. 3455; Dr. pp. 749-50; Gaz. vol. 132; p. 630.
- Electroresponsive device. E. A. Buckman. No. 905,495; Dec. 1; Sp. p. 775; Gaz. vol. 137; p. 1108.
- Electrosanator. R. Sakamoto. No. 900,429; Oct. 6; Sp. p. 756; Dr. p. 156; Gaz. vol. 136; p. 1191.
- Electrotherapeutic generator. S. N. Metzler. No. 892,441; July 7; Sp. p. 96; Dr. pp. 21-2; Gaz. vol. 135; p. 20.
- Electrothermal protector. F. B. Cook. No. 891,463; June 23; Sp. p. 4614; Dr. p. 1002; Gaz. vol. 134; p. 1889.
- Electrotype-block. R. E. Doolittle. No. 898,196; Sept. 8; Sp. p. 1958; Dr. p. 418; Gaz. vol. 136; p. 340.
- Electrotype-molds, Preparation of. A. W. Harrison. No. 901,965; Oct. 27; Sp. p. 3964; Gaz. vol. 136; p. 1786.
- Electrotype-molds, Solution for treating. A. W. Harrison. No. 901,966; Oct. 27; Sp. p. 3965; Gaz. vol. 136; p. 1786.
- Electrotypes, Apparatus for the manufacture of copper. S. O. Cowper-Coles. No. 875,784; Jan. 7; Sp. p. 208; Dr. p. 45; Gaz. vol. 132; p. 38.
- Electrotypes, Production of. S. O. Cowper-Coles. No. 881,554; Mar. 10; Sp. p. 2109; Dr. p. 461; Gaz. vol. 133; p. 383.
- Elevated carrier. A. H. Neller. No. 876,578; Jan. 14; Sp. p. 1827; Dr. p. 309; Gaz. vol. 132; p. 329.
- Elevated carrier. W. J. Chance. No. 886,763; May 5; Sp. p. 886; Dr. p. 183; Gaz. vol. 134; p. 145.

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- Elevated carrier. W. J. Chance. No. 886,764; May 5; Sp. p. 888; Dr. p. 184; Gaz. vol. 134; p. 146.
 Elevated carrier. B. Snyder. No. 891,875; June 30; Sp. p. 5485; Dr. pp. 1185-6; Gaz. vol. 134; p. 2057.
 Elevated carrier. A. H. Neller and W. Loudon. No. 900,681; Oct. 6; Sp. p. 1314; Dr. p. 269; Gaz. vol. 136; p. 1274.
 Elevated carrier. A. H. Neller and W. Loudon. No. 900,682; Oct. 6; Sp. p. 1318; Dr. p. 270; Gaz. vol. 136; p. 1273.
 Elevated carrier. B. Snyder. No. 902,924; Nov. 3; Sp. p. 789; Gaz. vol. 137; p. 131.
 Elevating and dumping apparatus. I. S. McBride. No. 896,568; Aug. 18; Sp. p. 3563; Dr. p. 766; Gaz. vol. 135; p. 1526.
 Elevating and lowering device, Universal. E. G. Gebauer. No. 900,515; Oct. 6; Sp. p. 958; Dr. pp. 194-5; Gaz. vol. 136; p. 1218.
 Elevator. *See* Baling-press elevator; Bucket elevator; Cotton-elevator; Electric traction-elevator; Endless elevator; Feed-elevator; Grain-elevator; Grain-shock elevator; Hay-elevator; Hydraulic elevator; Liquid-elevator; Mine-elevator; Paper-feeder elevator; Portable elevator; Potato and vegetable elevator; Safety-elevator; Stacking-elevator; Water-elevator.
 Elevator. C. Bradford and G. L. Chatfield. No. 876,432; Jan. 14; Sp. p. 1502; Dr. p. 323; Gaz. vol. 132; p. 277.
 Elevator. L. M. Shaw. No. 876,599; Jan. 14; Sp. p. 1878; Dr. p. 410; Gaz. vol. 132; p. 336.
 Elevator. J. Van Vleck. No. 887,154; May 12; Sp. p. 1609; Dr. p. 342; Gaz. vol. 134; p. 296.
 Elevator. C. D. Seeberger. No. 890,802; June 16; Sp. p. 3282; Dr. p. 719; Gaz. vol. 134; p. 1642.
 Elevator. F. H. and F. H. Brown. No. 891,140; June 16; Sp. p. 3929; Dr. p. 860; Gaz. vol. 134; p. 1749.
 Elevator. G. H. Davidson. No. 893,456; July 14; Sp. p. 2166; Dr. pp. 455-6; Gaz. vol. 135; p. 382.
 Elevator. T. B. Bennett and C. P. Smith. No. 894,419; July 28; Sp. p. 4282; Dr. p. 883; Gaz. vol. 135; p. 750.
 Elevator. C. D. Seeberger. No. 897,856; Sept. 1; Sp. p. 1258; Dr. pp. 269-70; Gaz. vol. 136; p. 198.
 Elevator. C. D. Seeberger. No. 898,009; Sept. 8; Sp. p. 1587; Dr. p. 339; Gaz. vol. 136; p. 281.
 Elevator. S. V. Trent. No. 900,237; Oct. 6; Sp. p. 335; Dr. pp. 69-70; Gaz. vol. 136; p. 1128.
 Elevator. S. Bruce. No. 902,371; Oct. 27; Sp. p. 4820; Dr. p. 973; Gaz. vol. 136; p. 1917.
 Elevator. R. de Mysser. No. 907,855; Dec. 29; Sp. p. 5410; Gaz. vol. 137; p. 1995.
 Elevator and carrier. W. Loudon. No. 897,381; Sept. 1; Sp. p. 288; Dr. p. 59; Gaz. vol. 136; p. 44.
 Elevator and mine-cage safety-brake. A. Barbioux. No. 901,314; Oct. 20; Sp. p. 2576; Dr. p. 530; Gaz. vol. 136; p. 1539.
 Elevator-door. J. L. Kail. No. 895,467; Aug. 11; Sp. p. 1398; Dr. p. 293; Gaz. vol. 135; p. 1148.
 Elevator-door mechanism. J. Brombacher. No. 907,454; Dec. 22; Sp. p. 4563; Gaz. vol. 137; p. 1835.
 Elevator-door-opening device. F. N. Long. No. 897,910; Sept. 8; Sp. p. 1380; Dr. p. 295; Gaz. vol. 136; p. 249.
 Elevator-doors, Device for automatically opening and closing. W. J. Jeffries. No. 879,645; Feb. 18; Sp. p. 3617; Dr. p. 756; Gaz. vol. 132; p. 1494.
 Elevator-engine, Power-driven. T. W. Heermans. No. 877,713; Jan. 28; Sp. p. 4142; Dr. pp. 897-8; Gaz. vol. 132; p. 762.
 Elevator-guide. H. Martini. No. 907,836; Dec. 29; Sp. p. 5356; Gaz. vol. 137; p. 1989.
 Elevator guide-rails, Means for lubricating. F. MacIndoe. No. 905,724; Dec. 1; Sp. p. 1204; Gaz. vol. 137; p. 1179.
 Elevator indicating system. C. E. Moore. No. 885,941; Apr. 28; Sp. p. 4683; Dr. p. 986; Gaz. vol. 133; p. 2020.
 Elevator light-signal. J. M. Graham. No. 907,339; Dec. 22; Sp. p. 4317; Gaz. vol. 137; p. 1795.
 Elevator mechanism. J. Baum. No. 894,418; July 28; Sp. p. 4278; Dr. p. 883; Gaz. vol. 135; p. 750.
 Elevator mechanism. J. Mussell. No. 898,672; Sept. 15; Sp. p. 2880; Dr. p. 616; Gaz. vol. 136; p. 525.
 Elevator-retarding mechanism. A. J. Myer. No. 882,577; Mar. 24; Sp. p. 4146; Dr. p. 879; Gaz. vol. 133; p. 777.
 Elevator safety and announcing device. G. H. Foulks. No. 895,848; Aug. 11; Sp. p. 2154; Dr. p. 457; Gaz. vol. 135; p. 1271.
 Elevator safety apparatus. C. W. Hoffman. No. 893,802; July 21; Sp. p. 2972; Dr. pp. 608-9; Gaz. vol. 135; p. 526.
 Elevator safety appliance. F. M. Ashby. No. 878,489; Feb. 11; Sp. p. 1227; Dr. p. 254; Gaz. vol. 132; p. 1079.
 Elevator safety appliance. E. Hardesty. No. 904,424; Nov. 17; Sp. p. 3859; Gaz. vol. 137; p. 687.
 Elevator safety attachment. D. K. Wallingford. No. 889,833; June 2; Sp. p. 1250; Dr. p. 288; Gaz. vol. 134; p. 1262.
 Elevator safety-brake. E. A. Worthington. No. 885,560; Apr. 21; Sp. p. 3898; Dr. pp. 814-15; Gaz. vol. 133; p. 1866.
 Elevator safety-brake. A. A. Brown. No. 896,270; Aug. 18; Sp. p. 2949; Dr. p. 635; Gaz. vol. 135; p. 1429.
 Elevator safety-brake. C. F. Bath. No. 896,792; Aug. 25; Sp. p. 4028; Dr. p. 867; Gaz. vol. 135; p. 1621.
 Elevator safety-catch. W. A. Dorsey. No. 884,908; Apr. 14; Sp. p. 2525; Dr. p. 534; Gaz. vol. 133; p. 1624.
 Elevator safety-clutch. M. C. Hutchings. No. 876,188; Jan. 7; Sp. p. 972; Dr. p. 210; Gaz. vol. 132; p. 165.
 Elevator safety device. J. J. Bennett and J. Klein. No. 883,279; Mar. 31; Sp. p. 5562; Dr. p. 1187; Gaz. vol. 133; p. 1038.
 Elevator safety device. A. Hollinger. No. 885,924; Apr. 28; Sp. p. 4650; Dr. p. 979; Gaz. vol. 133; p. 2015.
 Elevator safety device. W. J. Kern. No. 887,651; May 12; Sp. p. 2677; Dr. p. 565; Gaz. vol. 134; p. 461.
 Elevator safety device. A. Hodson. No. 889,686; June 2; Sp. p. 980; Dr. pp. 226-7; Gaz. vol. 134; p. 1216.
 Elevator safety device. G. B. Rice. No. 890,797; June 16; Sp. p. 3273; Dr. p. 717; Gaz. vol. 134; p. 1640.
 Elevator safety device. J. S. Mucklé. No. 893,349; July 14; Sp. p. 1929; Dr. p. 405; Gaz. vol. 135; p. 347.
 Elevator safety device. J. W. Beach. No. 895,146; Aug. 4; Sp. p. 732; Dr. p. 153; Gaz. vol. 135; p. 1016.
 Elevator safety device. J. N. Anderson. No. 900,074; Oct. 6; Sp. p. 1; Dr. p. 1; Gaz. vol. 136; p. 1075.
 Elevator safety device. R. Bohlen. No. 900,473; Oct. 6; Sp. p. 859; Dr. p. 175; Gaz. vol. 136; p. 1205.
 Elevator safety-door. J. Krehbiel. No. 890,071; June 9; Sp. p. 1758; Dr. p. 389; Gaz. vol. 134; p. 1369.
 Elevator safety-lock. H. Higgin. No. 895,562; Aug. 11; Sp. p. 1580; Dr. p. 334; Gaz. vol. 135; p. 1179.
 Elevator safety mechanism. P. F. Foley. No. 900,158; Oct. 6; Sp. p. 180; Dr. p. 38; Gaz. vol. 136; p. 1102.
 Elevator safety-stop. K. Wisniewski and A. Matlak. No. 886,023; Apr. 28; Sp. p. 4871; Dr. p. 1025; Gaz. vol. 133; p. 2049.
 Elevator-shaft safety-net. J. S. Kerfoot. No. 896,213; Aug. 18; Sp. p. 2842; Dr. p. 612; Gaz. vol. 135; p. 1410.
 Elevator stopping mechanism, Plunger. T. Larsson. No. 888,515; May 26; Sp. p. 4375; Dr. p. 927; Gaz. vol. 134; p. 803.
 Elevator system, Combined electric-brake and push-button plunger. F. C. Furlow. No. 907,986; Dec. 29; Sp. p. 5690; Gaz. vol. 137; p. 2037.
 Elevator system, Push-button-controlled plunger. F. C. Furlow. No. 907,985; Dec. 29; Sp. p. 5684; Gaz. vol. 137; p. 2037.
 Elevators by means of a switch, System for controlling the motion of electrically-operated. W. Baxter, Jr. No. 878,496; Feb. 11; Sp. p. 1237; Dr. pp. 256-60; Gaz. vol. 132; p. 1081.
 Elevators, Electric signal for. C. E. Moore. No. 880,152; Feb. 25; Sp. p. 4671; Dr. p. 984; Gaz. vol. 132; p. 1693.
 Elevators, Guide-greaser for. T. F. Goodrich. No. 902,226; Oct. 27; Sp. p. 4508; Dr. p. 913; Gaz. vol. 136; p. 1868.
 Elevators or hoists, Automatic friction-brake mechanism for. A. G. Wuest. No. 903,805; Nov. 10; Sp. p. 2543; Gaz. vol. 137; p. 445.
 Elevators, Regulating magnet-controller for electric. H. P. McCall. No. 879,789; Feb. 18; Sp. p. 3891; Dr. p. 816; Gaz. vol. 132; p. 1541.
 Elevators, Safety flash-light apparatus for. C. E. Moore. No. 885,942; Apr. 28; Sp. p. 4686; Dr. p. 987; Gaz. vol. 133; p. 2021.
 Ellipsograph. F. R. Goodale. No. 877,710; Jan. 28; Sp. p. 4139; Dr. p. 896; Gaz. vol. 132; p. 761.
 Ellipsograph. H. Looyer. No. 880,228; Feb. 25; Sp. p. 4836; Dr. p. 1023; Gaz. vol. 132; p. 1720.
 Ellipsograph. J. T. Kelley. No. 889,313; June 2; Sp. p. 238; Dr. p. 58; Gaz. vol. 134; p. 1097.
 Ellipsograph. C. Schreiber. No. 905,107; Nov. 24; Sp. p. 5291; Gaz. vol. 137; p. 942.
 Elliptic spring. W. G. Price. No. 881,948; Mar. 17; Sp. p. 2930; Dr. p. 625; Gaz. vol. 133; p. 541.
 Embalming apparatus. O. Skow. No. 908,160; Dec. 29; Sp. p. 6048; Gaz. vol. 137; p. 2095.
 Embalming fluid. W. L. Frye. No. 905,168; Dec. 1; Sp. p. 89; Gaz. vol. 137; p. 997.
 Embalming liquid, Concentrated. C. B. Dolge. No. 892,654; July 7; Sp. p. 508; Gaz. vol. 135; p. 90.
 Embossing and coloring or printing incrusta or like material, Apparatus for. F. Walton. No. 895,292; Sept. 8; Sp. p. 2134; Dr. p. 454; Gaz. vol. 136; p. 369.
 Embossing-die. F. R. Kuhlmann. No. 901,109; Oct. 13; Sp. p. 2181; Dr. p. 443; Gaz. vol. 136; p. 1438.
 Embroidered web, Appliance for severing. A. Bosshard. No. 878,111; Feb. 4; Sp. p. 437; Dr. pp. 92-3; Gaz. vol. 132; p. 920.
 Embroidering a fabric with pile-threads in patterns, Machinery for. F. Kleutgen. No. 876,562; Jan. 14; Sp. p. 1783; Dr. pp. 388-90; Gaz. vol. 132; p. 323.
 Embroidering-frame. N. B. Noble. No. 904,716; Nov. 24; Sp. p. 4481; Gaz. vol. 137; p. 811.
 Embroidering-machine. J. A. Groebli. No. 902,814; Nov. 3; Sp. p. 546; Gaz. vol. 137; p. 94.
 Embroidering-machine. J. A. Groebli. No. 902,819; Nov. 3; Sp. p. 564; Gaz. vol. 137; p. 96.
 Embroidering-machine. R. Loeb. No. 904,626; Nov. 24; Sp. p. 4292; Gaz. vol. 137; p. 781.
 Embroidering-machine bore mechanism. J. A. Groebli. No. 902,817; Nov. 3; Sp. p. 556; Gaz. vol. 137; p. 95.
 Embroidering-machine coupling mechanism. J. A. Groebli. No. 902,816; Nov. 3; Sp. p. 554; Gaz. vol. 137; p. 95.
 Embroidering-machine festoon mechanism. J. A. Groebli. No. 902,818; Nov. 3; Sp. p. 559; Gaz. vol. 137; p. 96.
 Embroidering-machine, Shuttle. V. Kobler. No. 876,975; Jan. 21; Sp. p. 2645; Dr. pp. 574-5; Gaz. vol. 132; pp. 499.
 Embroidering-machine stop mechanism. J. A. Groebli. No. 902,815; Nov. 3; Sp. p. 550; Gaz. vol. 137; p. 95.
 Embroidering-machines, Take-up hook for. C. N. Wheaton. No. 885,817; Apr. 28; Sp. p. 4429; Dr. p. 930; Gaz. vol. 133; p. 1979.
 Embroidering-sewing-machine stretching-frame. S. V. Swoboda. No. 905,247; Dec. 1; Sp. p. 246; Gaz. vol. 137; p. 1025.
 Embroidery-frame. G. B. Lyon. No. 901,246; Oct. 13; Sp. p. 2413; Dr. p. 495; Gaz. vol. 136; p. 1481.
 Embroidery-frame, Shuttle-machine. H. Hochreutener. No. 889,783; June 2; Sp. p. 1153; Dr. p. 267; Gaz. vol. 134; p. 1246.
 Embroidery-hoop. F. E. Kohler. No. 879,654; Feb. 18; Sp. p. 3634; Dr. p. 760; Gaz. vol. 132; p. 1497.
 Embroidery-hoop. G. H. Bixby. No. 882,737; Mar. 24; Sp. p. 4464; Dr. p. 950; Gaz. vol. 133; p. 830.
 Embroidery-hoop. F. E. Kohler. No. 884,279; Apr. 7; Sp. p. 1241; Dr. p. 261; Gaz. vol. 133; p. 1390.
 Embroidery-hoop. F. E. Kohler. No. 887,403; May 12; Sp. p. 2200; Dr. p. 460; Gaz. vol. 134; p. 380.
 Embroidery-hoop. F. E. Kohler. No. 892,961; July 7; Sp. p. 1147; Dr. p. 241; Gaz. vol. 135; p. 192.

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- Embroidery-hoop. F. E. Kohler. No. 907,152; Dec. 22; Sp. p. 3933; Gaz. vol. 137; p. 1731.
- Embroidery-machines, Hinge-borer for. A. Braun. No. 881,894; Mar. 17; Sp. p. 2821; Dr. p. 603; Gaz. vol. 133; p. 523.
- Embroidery work. R. Cornely. No. 891,594; June 23; Sp. p. 4888; Dr. p. 1053; Gaz. vol. 134; p. 1930.
- Emergency-brake. F. B. Corey. No. 881,552; Mar. 10; Sp. p. 2101; Dr. p. 459; Gaz. vol. 133; p. 382.
- Emergency-brake. F. B. Corey. No. 904,844; Nov. 24; Sp. p. 4764; Gaz. vol. 137; p. 855.
- Emery, oilstone, and other abrading materials, Holder for. G. Korinek. No. 900,938; Oct. 13; Sp. p. 1853; Dr. p. 377; Gaz. vol. 136; p. 1384.
- Emery polishing or buffing wheels, Hood for. G. V. Schnell. No. 880,695; Mar. 3; Sp. p. 401; Dr. p. 87; Gaz. vol. 133; p. 72.
- Emery-wheel dresser. H. A. S. Howarth. No. 902,660; Nov. 3; Sp. p. 248; Gaz. vol. 137; p. 42.
- Emulsions, Manufacture of. J. P. Van der Ploeg. No. 884,878; Apr. 14; Sp. p. 2482; Gaz. vol. 133; p. 1616.
- Enamel-ware. E. D. Holley. No. 906,628; Dec. 15; Sp. p. 2925; Gaz. vol. 137; p. 1528.
- End-gate. F. Caha. No. 880,010; Feb. 25; Sp. p. 4384; Dr. p. 920; Gaz. vol. 132; p. 1647.
- End-gate. C. H. Polk. No. 883,739; Apr. 7; Sp. p. 120; Dr. p. 21; Gaz. vol. 133; p. 1212.
- End-gate. J. W. Fisher. No. 884,916; Apr. 14; Sp. p. 2562; Dr. p. 539; Gaz. vol. 133; p. 1626.
- End-gate. E. C. Kidd. No. 892,163; June 30; Sp. p. 6043; Dr. p. 1300; Gaz. vol. 134; p. 2150.
- End-gate. R. A. Trumbull. No. 898,940; Sept. 15; Sp. p. 3366; Dr. p. 723; Gaz. vol. 136; p. 612.
- End-gate. J. B. Hennemann. No. 906,019; Dec. 8; Sp. p. 1784; Gaz. vol. 137; p. 1306.
- End-gate fastener. L. and J. A. Carter. No. 889,296; June 2; Sp. p. 205; Dr. p. 51; Gaz. vol. 134; p. 1091.
- End-gate fastener. M. R. Cole. No. 892,936; July 7; Sp. p. 1104; Dr. p. 232; Gaz. vol. 135; p. 183.
- End-gate fastener. J. H. Halder. No. 896,724; Aug. 25; Sp. p. 3867; Dr. pp. 836-7; Gaz. vol. 135; p. 1597.
- End gate for press-boxes. W. C. Le Gallais. No. 884,827; Apr. 14; Sp. p. 2377; Dr. p. 500; Gaz. vol. 133; p. 1600.
- End-gate-locking mechanism. A. T. Correll. No. 884,898; Apr. 14; Sp. p. 2506; Dr. p. 530; Gaz. vol. 133; p. 1621.
- End-gate, Wagon. B. M. Wilhite. No. 888,286; May 19; Sp. p. 3913; Dr. p. 823; Gaz. vol. 134; p. 699.
- End-gate, Wagon. C. E. Carroll. No. 889,295; June 2; Sp. p. 203; Dr. p. 51; Gaz. vol. 134; p. 1090.
- End-gate, Wagon. W. H. Palmer. No. 902,319; Oct. 27; Sp. p. 4709; Dr. p. 953; Gaz. vol. 136; p. 1900.
- End-gate, Wagon. R. L. Templeman. No. 904,818; Nov. 24; Sp. p. 4711; Gaz. vol. 137; p. 846.
- End-gates and the like, Fastening device for wagon. J. Huffman. No. 889,688; June 2; Sp. p. 984; Dr. p. 227; Gaz. vol. 134; p. 1217.
- Endless carrier. D. F. Broderick. No. 898,550; Sept. 15; Sp. p. 2649; Dr. p. 566; Gaz. vol. 136; p. 486.
- Endless elevator. A. L. Hoover. No. 907,364; Dec. 22; Sp. p. 4367; Gaz. vol. 137; p. 1803.
- Endoscope. R. H. Wappler. No. 902,513; Oct. 27; Sp. p. 5142; Dr. p. 1041; Gaz. vol. 136; p. 1965.
- Endoscope or other optical instrument. R. H. Wappler. No. 878,917; Feb. 11; Sp. p. 2134; Dr. p. 445; Gaz. vol. 132; p. 1218.
- Energy from the direct combustion of fuel, Deriving. C. A. Mezger. No. 882,261; Mar. 17; Sp. p. 3552; Dr. p. 753; Gaz. vol. 133; p. 641.
- Energy recovering, transforming, and conserving mechanism. L. Dion. No. 895,006; Aug. 4; Sp. p. 470; Dr. p. 95; Gaz. vol. 135; p. 970.
- Engine. See Air and gas engine; Auxiliary engine; Blowing-engine; Carding-engine; Combustion-engine; Combustion explosive petroleum-engine; Compound engine; Cycle-engine; Dental engine; Elevator-engine; Expansion-engine; Explosion-engine; Explosive-engine; Fire-engine; Fluid-actuated engine; Fluid-pressure engine; Gas-engine; Gas and gasoline engine; Gas and other engine; Gas and steam convertible engine; Gas-explosion engine; Gas-motor engine; Gas or other engine; Gas or vapor engine; Gasoline-engine; Heat-engine; Hoisting-engine; Hot-air engine; Hydraulic engine; Hydrocarbon-engine; Internal-combustion engine; Internal-combustion rotary engine; Motive-power engine; Multiple-cylinder engine; Multiple-expansion engine; Oil-engine; Oscillating engine; Pulping-engine; Pumping-engine; Rock-drilling engine; Rotary engine; Rotary explosive-engine; Rotary internal-combustion engine; Rotary gasoline-engine; Rotary steam-engine; Steam-engine; Toy engine; Traction-engine; Turbine-engine; Variable-clearance engine; Water-power engine.
- Engine. G. W. Wilson. No. 876,890; Jan. 14; Sp. p. 2441; Dr. p. 532; Gaz. vol. 132; p. 430.
- Engine. C. H. Way. No. 877,023; Jan. 21; Sp. p. 2761; Dr. p. 597; Gaz. vol. 132; p. 516.
- Engine. J. Copeland. No. 877,910; Feb. 4; Sp. p. 31; Dr. pp. 6-7; Gaz. vol. 132; p. 854.
- Engine. R. M. Downie. No. 878,783; Feb. 11; Sp. p. 1884; Dr. p. 388; Gaz. vol. 132; p. 1176.
- Engine. W. A. Edwards, C. E. Ellis, and D. F. Cornell. No. 881,310; Mar. 10; Sp. p. 1639; Dr. pp. 350-1; Gaz. vol. 133; p. 305.
- Engine. C. V. Martin. No. 881,428; Mar. 10; Sp. p. 1863; Dr. p. 405; Gaz. vol. 133; p. 341.
- Engine. F. O. Ball. No. 885,132; Apr. 21; Sp. p. 3010; Dr. p. 635; Gaz. vol. 133; p. 1729.
- Engine. F. L. Eager. No. 886,589; May 5; Sp. p. 493; Dr. p. 106; Gaz. vol. 134; p. 88.
- Engine. M. Tschimperle. No. 887,549; May 12; Sp. p. 2483; Dr. p. 524; Gaz. vol. 134; p. 428.
- Engine. F. A. Sharpneek. No. 887,855; May 19; Sp. p. 3096; Dr. p. 649; Gaz. vol. 134; p. 559.
- Engine. M. L. Harris. No. 889,460; June 2; Sp. p. 540; Dr. pp. 126-8; Gaz. vol. 134; p. 1144.
- Engine. C. O. Robertson. No. 889,859; June 2; Sp. p. 1301; Dr. p. 298; Gaz. vol. 134; p. 1272.
- Engine. A. F. Towle. No. 889,991; June 9; Sp. p. 1592; Dr. p. 357; Gaz. vol. 134; p. 1341.
- Engine. J. Weisenborn. No. 891,119; June 16; Sp. p. 3893; Dr. p. 852; Gaz. vol. 134; p. 1742.
- Engine. L. S. Burbank. No. 892,804; July 7; Sp. p. 806; Dr. pp. 170-1; Gaz. vol. 135; p. 138.
- Engine. J. Munden. No. 894,682; July 28; Sp. p. 4799; Dr. pp. 996-7; Gaz. vol. 135; p. 837.
- Engine. S. Lawson. No. 896,399; Aug. 18; Sp. p. 3218; Dr. pp. 690-1; Gaz. vol. 135; p. 1469.
- Engine. S. H. Brundige. No. 896,514; Aug. 18; Sp. p. 3462; Dr. p. 744; Gaz. vol. 135; p. 1509.
- Engine. J. Erickson. No. 899,297; Sept. 22; Sp. p. 4072; Dr. p. 870; Gaz. vol. 136; p. 756.
- Engine. F. Schneider and G. B. Conrath. No. 899,625; Sept. 29; Sp. p. 4723; Dr. pp. 1011-13; Gaz. vol. 136; p. 898.
- Engine. H. L. Ide. No. 900,100; Oct. 6; Sp. p. 51; Dr. p. 10; Gaz. vol. 136; p. 1083.
- Engine. M. E. Keller. No. 900,101; Oct. 6; Sp. p. 53; Dr. p. 10; Gaz. vol. 136; p. 1084.
- Engine. F. J. Miller. No. 900,757; Oct. 13; Sp. p. 1456; Dr. pp. 296-7; Gaz. vol. 136; p. 1325.
- Engine. J. W. Watkins. No. 900,806; Oct. 13; Sp. p. 1569; Dr. pp. 317-18; Gaz. vol. 136; p. 1342.
- Engine. H. Drake. No. 906,119; Dec. 8; Sp. p. 1981; Gaz. vol. 137; p. 1338.
- Engine. R. C. Hoffman. No. 906,136; Dec. 8; Sp. p. 2007; Gaz. vol. 137; p. 1343.
- Engine. E. A. Williams and A. W. Price. No. 906,344; Dec. 8; Sp. p. 2410; Gaz. vol. 137; p. 1413.
- Engine. F. O. Ball. No. 907,948; Dec. 29; Sp. p. 5613; Gaz. vol. 137; p. 2024.
- Engine and tender coupling, Locomotive. F. M. Holdsworth. No. 887,806; May 19; Sp. p. 2998; Dr. p. 630; Gaz. vol. 134; p. 543.
- Engine attachment, Hoisting. H. Maker. No. 878,218; Feb. 4; Sp. p. 669; Dr. p. 138; Gaz. vol. 132; p. 954.
- Engine attachment, Traction. V. Landholm. No. 878,642; Feb. 11; Sp. p. 1615; Dr. p. 329; Gaz. vol. 132; p. 1130.
- Engine automatic starter, Gasoline. F. A. Corey. No. 896,057; Aug. 11; Sp. p. 2553; Dr. p. 554; Gaz. vol. 135; p. 1339.
- Engine balance-valve, Steam. F. J. Meanley. No. 904,631; Nov. 24; Sp. p. 4305; Gaz. vol. 137; p. 783.
- Engine balanced proportioning-valve, Explosive. W. A. and E. R. Reeves. No. 907,879; Dec. 29; Sp. p. 5448; Gaz. vol. 137; p. 2003.
- Engine balanced valve, Steam. F. Barngrover. No. 905,275; Dec. 1; Sp. p. 297; Gaz. vol. 137; p. 1134.
- Engine base and crank-case, Hydrocarbon. H. B. Joy. No. 891,803; June 23; Sp. p. 5324; Dr. pp. 1152-3; Gaz. vol. 134; p. 2003.
- Engine bed-plate, Beating. F. H. Bither and W. J. Crandall. No. 907,220; Dec. 22; Sp. p. 4084; Gaz. vol. 137; p. 1753.
- Engine casing or frame, Gas. I. P. Miller and L. M. Rakestraw. No. 878,466; Feb. 4; Sp. p. 1144; Dr. pp. 234-5; Gaz. vol. 132; p. 1037.
- Engine charging mechanism, Automatic. M. A. Trow and F. J. Brummer. No. 895,603; Aug. 11; Sp. p. 1655; Dr. pp. 349-50; Gaz. vol. 135; p. 1192.
- Engine controller, Gasoline. J. E. Gilson. No. 890,270; June 9; Sp. p. 2195; Dr. p. 482; Gaz. vol. 134; p. 1434.
- Engine controlling means, Gas. H. W. Bradley. No. 877,044; Jan. 21; Sp. p. 2807; Dr. pp. 606-7; Gaz. vol. 132; p. 524.
- Engine controlling mechanism. G. Enrico. No. 903,133; Nov. 3; Sp. p. 1195; Gaz. vol. 137; p. 195.
- Engine cooler, Gas. F. L. Orr. No. 876,832; Jan. 14; Sp. p. 2318; Dr. p. 509; Gaz. vol. 132; p. 410.
- Engine-cooling device. G. Wolke. No. 879,428; Feb. 18; Sp. p. 3157; Dr. p. 656; Gaz. vol. 132; p. 1424.
- Engine-cooling device, Explosive. R. Herman. No. 897,532; Sept. 1; Sp. p. 601; Dr. pp. 125-6; Gaz. vol. 136; p. 94.
- Engine-cooling means. K. R. Wilson. No. 879,230; Feb. 18; Sp. p. 2739; Dr. p. 572; Gaz. vol. 132; p. 1359.
- Engine-cooling means, Explosive. F. L. Manelik. No. 885,498; Apr. 21; Sp. p. 3740; Dr. p. 787; Gaz. vol. 133; p. 1847.
- Engine-cylinder. W. Giebfried. No. 894,380; July 28; Sp. p. 4191; Dr. p. 865; Gaz. vol. 135; p. 737.
- Engine-cylinder doors, Means for locking carding. J. Eckerley. No. 879,858; Feb. 25; Sp. p. 4075; Dr. p. 854; Gaz. vol. 132; p. 1597.
- Engine cylinder, Gas. F. Schwehm. No. 884,995; Apr. 14; Sp. p. 2704; Dr. p. 573; Gaz. vol. 133; p. 1650.
- Engine-cylinder-lubricating device, Gas. O. Grimm. No. 907,039; Dec. 15; Sp. p. 3696; Gaz. vol. 137; p. 1658.
- Engine, Device for simultaneously controlling the spark and throttle of an internal-combustion. H. Lemp. No. 896,305; Aug. 18; Sp. p. 3036; Dr. p. 62; Gaz. vol. 135; p. 1440.
- Engine drive-gear. M. O. Carter and W. T. Davis. No. 880,627; Mar. 3; Sp. p. 281; Dr. p. 60; Gaz. vol. 133; p. 49.
- Engine driving-gear, Petrol or gas internal-combustion or steam. C. J. Montgomery. No. 905,823; Dec. 1; Sp. p. 1403; Gaz. vol. 137; p. 1213.
- Engine driving mechanism, Traction. W. P. Mathews. No. 887,410; May 12; Sp. p. 2212; Dr. p. 453; Gaz. vol. 134; p. 382.
- Engine electric igniter, Explosive. G. A. Goodson. No. 904,196; Nov. 17; Sp. p. 3397; Gaz. vol. 137; p. 611.
- Engine exhaust device, Compression. E. F. Hafelfinger. No. 905,870; Dec. 8; Sp. p. 1501; Gaz. vol. 137; p. 1259.
- Engine exhaust mechanism, Explosive. J. M. and E. T. Truscott. No. 880,604; Mar. 3; Sp. p. 237; Dr. p. 49; Gaz. vol. 133; p. 41.

Alphabetical list of inventions—Continued.

- Engine-frames and pump-cylinders, Intermediate head for. A. Russell. No. 901,837; Oct. 20; Sp. p. 3708; Dr. p. 753; Gaz. vol. 136; p. 1713.
- Engine fuel-feeding mechanism, Internal-combustion-. F. W. Brady. No. 878,933; Feb. 11; Sp. p. 2164; Dr. p. 452; Gaz. vol. 132; p. 1223.
- Engine fuel-feeding mechanism, Internal-combustion-. F. W. Brady. No. 878,934; Feb. 11; Sp. p. 2168; Dr. p. 453; Gaz. vol. 132; p. 1223.
- Engine fuel-heater, Explosive-. H. Hertzberg and A. A. Low. No. 904,203; Nov. 17; Sp. p. 3407; Gaz. vol. 137; p. 613.
- Engine-gear. H. I. Drake. No. 899,247; Sept. 22; Sp. p. 3994; Dr. p. 851; Gaz. vol. 136; p. 741.
- Engine gearing, Steam-. H. M. Hendrickson. No. 877,079; Jan. 21; Sp. p. 2865; Dr. pp. 618-19; Gaz. vol. 132; p. 534.
- Engine gearing, Traction-. H. J. Mann. No. 907,260; Dec. 22; Sp. p. 4182; Gaz. vol. 137; p. 1769.
- Engine governing mechanism, Explosive-. J. W. Smith. No. 906,949; Dec. 15; Sp. p. 3542; Gaz. vol. 137; p. 1630.
- Engine governor, Marine-. A. H. Zientarski. No. 904,667; Nov. 24; Sp. p. 4379; Gaz. vol. 137; p. 796.
- Engine igniter, Explosion-. H. Benoist. No. 898,427; Sept. 15; Sp. p. 2399; Dr. p. 514; Gaz. vol. 136; p. 447.
- Engine igniter, Gas-. A. N. Classon. No. 881,058; Mar. 3; Sp. p. 1125; Dr. p. 244; Gaz. vol. 133; p. 192.
- Engine igniter, Gas-. W. C. Plank. No. 898,779; Sept. 15; Sp. p. 3079; Dr. p. 659; Gaz. vol. 136; p. 559.
- Engine igniter, Gas and gasoline. M. G. Voigtlander. No. 878,694; Feb. 11; Sp. p. 1704; Dr. p. 352; Gaz. vol. 132; p. 1146.
- Engine igniter mechanism, Internal-combustion-. E. Ruud and C. Regebogen. No. 888,196; May 19; Sp. p. 3735; Dr. p. 783; Gaz. vol. 134; p. 668.
- Engine igniting device, Gas-. J. V. Rice, Jr. No. 881,952; Mar. 17; Sp. p. 2935; Dr. p. 626; Gaz. vol. 133; p. 542.
- Engine igniting device, Gas-. J. V. Rice, Jr. No. 881,953; Mar. 17; Sp. p. 2937; Dr. p. 626; Gaz. vol. 133; p. 542.
- Engine igniting device, Gas-. J. V. Rice, Jr. No. 881,954; Mar. 17; Sp. p. 2938; Dr. p. 627; Gaz. vol. 133; p. 542.
- Engine igniting device, Gas-. J. V. Rice, Jr. No. 882,716; Mar. 24; Sp. p. 4424; Dr. p. 940; Gaz. vol. 133; p. 824.
- Engine igniting mechanism, Explosive-. G. B. Haskins. No. 892,253; June 30; Sp. p. 6214; Dr. pp. 1338-9; Gaz. vol. 134; p. 2180.
- Engine igniting mechanism, Internal-combustion-. C. A. Myers, F. W. Haas, Jr., and A. A. Myers. No. 890,247; June 9; Sp. p. 2120; Dr. p. 465; Gaz. vol. 134; p. 1427.
- Engine ignition system, Explosion-. R. Varley. No. 899,770; Sept. 29; Sp. p. 5017; Dr. p. 1075; Gaz. vol. 136; p. 945.
- Engine ignition-timer, Internal-combustion-. F. C. Mason and G. L. Sintz. No. 906,729; Dec. 15; Sp. p. 3119; Gaz. vol. 137; p. 1561.
- Engine indicator. J. W. Thompson. No. 886,021; Apr. 28; Sp. p. 4864; Dr. pp. 1022-3; Gaz. vol. 133; p. 2048.
- Engine indicator. G. Lanza. No. 902,586; Nov. 3; Sp. p. 116; Gaz. vol. 137; p. 19.
- Engine indicator, Continuous. M. W. Hogle. No. 898,474; Sept. 15; Sp. p. 2493; Dr. p. 534; Gaz. vol. 136; p. 461.
- Engine indicator, Steam-. G. A. Webster. No. 894,555; July 28; Sp. p. 4550; Dr. p. 943; Gaz. vol. 135; p. 794.
- Engine lubricator, Steam-. J. A. Dickey. No. 880,638; Mar. 3; Sp. p. 301; Dr. p. 66; Gaz. vol. 133; p. 53.
- Engine mallet. A. S. Liss. No. 893,255; July 14; Sp. p. 1753; Dr. p. 370; Gaz. vol. 135; p. 316.
- Engine, Means for preventing reversing of an explosive-. W. B. Potter. No. 891,368; June 23; Sp. p. 4429; Dr. p. 964; Gaz. vol. 134; p. 1857.
- Engine motion-indicator. W. S. Rush. No. 885,527; Apr. 21; Sp. p. 3815; Dr. p. 801; Gaz. vol. 133; p. 1856.
- Engine releasing-gear. R. Schneider and P. G. Roesti. No. 885,870; Apr. 28; Sp. p. 4529; Dr. p. 950; Gaz. vol. 133; p. 1996.
- Engine reversing device, Explosive-. C. M. Stroud. No. 890,815; June 16; Sp. p. 3309; Dr. p. 724; Gaz. vol. 134; p. 1646.
- Engine reversing-gear, Internal-combustion-. J. Sulzer. No. 880,050; Feb. 25; Sp. p. 4475; Dr. p. 940; Gaz. vol. 132; p. 1660.
- Engine reversing mechanism. C. J. Peterson. No. 908,033; Dec. 29; Sp. p. 5790; Gaz. vol. 137; p. 2053.
- Engine reversing mechanism, Traction-. J. C. Metcalf. No. 886,232; Apr. 28; Sp. p. 5250; Dr. p. 1106; Gaz. vol. 133; p. 2115.
- Engine revolutions, Means for indicating and recording marine-. E. Amodeo-Salvator. No. 895,224; Aug. 4; Sp. p. 896; Dr. pp. 187-9; Gaz. vol. 135; p. 1044.
- Engine safety device, Internal-combustion-. J. D. Macpherson. No. 890,674; June 16; Sp. p. 2999; Dr. p. 658; Gaz. vol. 134; p. 1598.
- Engine safety starting device, Explosive-. C. P. Cary. No. 888,221; May 19; Sp. p. 3786; Dr. p. 794; Gaz. vol. 134; p. 677.
- Engine spark-plug, Explosion-. E. A. LaHar. No. 886,523; May 5; Sp. p. 359; Dr. p. 74; Gaz. vol. 134; p. 66.
- Engine spark-plug, Internal-combustion-. H. C. ter Meer. No. 897,122; Aug. 25; Sp. p. 4740; Dr. p. 1010; Gaz. vol. 135; p. 1732.
- Engine spark-timer. Gas-. H. N. Motsinger. No. 907,628; Dec. 22; Sp. p. 4926; Gaz. vol. 137; p. 1889.
- Engine sparking cut-out, Internal-combustion-. F. W. Leitenberger. No. 893,333; July 14; Sp. p. 1899; Dr. p. 397; Gaz. vol. 135; p. 342.
- Engine sparking device, Explosive-. C. R. Greuter. No. 894,775; July 28; Sp. p. 4954; Dr. p. 1033; Gaz. vol. 135; p. 865.
- Engine speed-regulator, Gas-. J. B. Schmidt. No. 899,265; Sept. 22; Sp. p. 4023; Dr. p. 859; Gaz. vol. 136; p. 746.
- Engine starter. L. P. Schlamb. No. 876,240; Jan. 7; Sp. p. 1074; Dr. pp. 233-4; Gaz. vol. 132; p. 182.
- Engine starter. H. P. Francis. No. 881,069; Mar. 3; Sp. p. 1147; Dr. p. 249; Gaz. vol. 133; p. 196.
- Engine starter. C. J. Coleman. No. 887,067; May 12; Sp. p. 1456; Dr. p. 310; Gaz. vol. 134; p. 268.
- Engine starter. C. B. Lazenby. No. 891,623; June 23; Sp. p. 4947; Dr. p. 1065; Gaz. vol. 134; p. 1940.
- Engine starter. G. L. Odenbrett. No. 892,544; July 7; Sp. p. 293; Dr. p. 64; Gaz. vol. 135; p. 55.
- Engine starter. C. J. Coleman. No. 898,438; Sept. 15; Sp. p. 2423; Dr. pp. 518-19; Gaz. vol. 136; p. 451.
- Engine starter. L. S. Tuttle. No. 902,350; Oct. 27; Sp. p. 4785; Dr. pp. 965-6; Gaz. vol. 136; p. 1911.
- Engine starter, Combustion-. L. W. Coppock. No. 888,226; May 19; Sp. p. 3796; Dr. p. 797; Gaz. vol. 134; p. 679.
- Engine starter, Explosive-. C. C. Ilg. No. 883,461; Mar. 31; Sp. p. 5957; Dr. p. 1271; Gaz. vol. 133; p. 1098.
- Engine starter, Gas-. R. W. Godfrey. No. 900,518; Oct. 6; Sp. p. 966; Dr. p. 196; Gaz. vol. 136; p. 1219.
- Engine starter, Gas-. L. Burnham. No. 903,269; Nov. 10; Sp. p. 1476; Gaz. vol. 137; p. 272.
- Engine starter, Motor-car-. W. Floyd. No. 906,789; Dec. 15; Sp. p. 3231; Gaz. vol. 137; p. 1580.
- Engine starting device, Automobile-. S. E. Spencer. No. 906,078; Dec. 8; Sp. p. 1894; Gaz. vol. 137; p. 1324.
- Engine starting device, Explosion-. H. C. Bailey. No. 895,328; Aug. 4; Sp. p. 1113; Dr. p. 234; Gaz. vol. 135; p. 1079.
- Engine starting device, Explosive-. L. S. Nash. No. 892,609; July 7; Sp. p. 405; Dr. p. 90; Gaz. vol. 135; p. 75.
- Engine starting device, Explosive-. J. F. Denison. No. 893,712; July 21; Sp. p. 2697; Dr. p. 566; Gaz. vol. 135; p. 495.
- Engine starting device, Gasoline-. F. Reynolds. No. 899,618; Sept. 29; Sp. p. 4705; Dr. pp. 1008-9; Gaz. vol. 136; p. 896.
- Engine starting device, Hydrocarbon-. R. Huff. No. 896,112; Aug. 18; Sp. p. 2660; Dr. p. 574; Gaz. vol. 135; p. 1378.
- Engine starting device, Internal-combustion-. F. H. Walker. No. 882,597; Mar. 24; Sp. p. 4185; Dr. p. 887; Gaz. vol. 133; p. 784.
- Engine-starting jack. G. A. Bull. No. 893,834; July 21; Sp. p. 3051; Dr. p. 623; Gaz. vol. 135; p. 538.
- Engine starting means, Explosive-. W. R. Webster. No. 892,199; June 30; Sp. p. 6115; Dr. p. 1315; Gaz. vol. 134; p. 2163.
- Engine starting means, Gas-. D. Fergusson. No. 888,794; May 26; Sp. p. 4973; Dr. p. 1062; Gaz. vol. 134; p. 897.
- Engine starting means, Internal-combustion-. G. Enrico. No. 888,074; May 19; Sp. p. 3510; Dr. p. 734; Gaz. vol. 134; p. 630.
- Engine starting mechanism, Explosive-. H. C. Fricke and G. E. Turner. No. 888,007; May 19; Sp. p. 3390; Dr. pp. 712-13; Gaz. vol. 134; p. 609.
- Engine starting mechanism, Explosive-. W. R. Webster. No. 905,611; Dec. 1; Sp. p. 1002; Gaz. vol. 137; p. 1144.
- Engine starting mechanism, Explosive-. C. A. Johnston. No. 906,030; Dec. 8; Sp. p. 1800; Gaz. vol. 137; p. 1309.
- Engine starting mechanism, Gas-. P. Schwehm. No. 884,619; Apr. 14; Sp. p. 1921; Dr. p. 413; Gaz. vol. 133; p. 1529.
- Engine starting mechanism, Gas-. W. K. Andrew. No. 889,886; June 9; Sp. p. 1372; Dr. p. 312; Gaz. vol. 134; p. 1305.
- Engine starting mechanism, Gas-. W. K. Andrew. No. 899,498; Sept. 29; Sp. p. 4441; Dr. p. 953; Gaz. vol. 136; p. 856.
- Engine starting mechanism, Internal-combustion-. H. A. Johnston. No. 876,460; Jan. 14; Sp. p. 1563; Dr. p. 335; Gaz. vol. 132; p. 287.
- Engine starting mechanism, Internal-combustion-. H. C. L. Holden and G. K. B. Elphinstone. No. 904,616; Nov. 24; Sp. p. 4207; Gaz. vol. 137; p. 777.
- Engine-starting safety-clutch, Gas-. W. S. Jones. No. 896,451; Aug. 18; Sp. p. 3324; Dr. p. 716; Gaz. vol. 135; p. 1487.
- Engine-stop. V. J. King. No. 883,029; Mar. 24; Sp. p. 5040; Dr. p. 1073; Gaz. vol. 133; p. 925.
- Engine-stop. H. Blanck and L. E. Beckerdt. No. 884,455; Apr. 14; Sp. p. 1590; Dr. p. 343; Gaz. vol. 133; p. 1476.
- Engine-stop. T. Grieve and J. Morrissey. No. 889,459; June 2; Sp. p. 537; Dr. p. 125; Gaz. vol. 134; p. 1144.
- Engine-stop, Automatic. N. C. Locke. No. 896,402; Aug. 18; Sp. p. 3223; Dr. p. 692; Gaz. vol. 135; p. 1470.
- Engine stuffing-box, Gas-. A. Wefing. No. 904,386; Nov. 17; Sp. p. 3785; Gaz. vol. 137; p. 674.
- Engine tender, Traction-. M. Jorstad. No. 886,059; Apr. 28; Sp. p. 4937; Dr. p. 1038; Gaz. vol. 133; p. 2060.
- Engine unit, Reversible-explosive-rotary-. W. E. Pearson. No. 901,554; Oct. 20; Sp. p. 3119; Dr. pp. 637-8; Gaz. vol. 136; p. 1621.
- Engine valve, Blowing-. H. Hamkens. No. 894,381; July 28; Sp. p. 4192; Dr. pp. 865-6; Gaz. vol. 135; p. 737.
- Engine valve mechanism, Four-stroke-explosive-. H. Pieper. No. 906,819; Dec. 15; Sp. p. 3287; Gaz. vol. 137; p. 1590.
- Engine valve mechanism, Gasoline-. C. J. Gustafson. No. 904,197; Nov. 17; Sp. p. 3399; Gaz. vol. 137; p. 611.
- Engine vaporizing device, Internal-combustion-. F. W. Brady. No. 878,932; Feb. 11; Sp. p. 2162; Dr. p. 451; Gaz. vol. 132; p. 1222.
- Engine vaporizing device, Internal-combustion-. J. S. de Roos. No. 904,455; Nov. 17; Sp. p. 3927; Gaz. vol. 137; p. 697.
- Engine water-cooler, Portable. T. Jordan. No. 907,811; Dec. 29; Sp. p. 5328; Gaz. vol. 137; p. 1981.
- Engines, Admission-valve and valve-actuating mechanism for gas-. G. B. Petsche. No. 905,224; Dec. 1; Sp. p. 208; Gaz. vol. 137; p. 1018.
- Engines, Air-cooling apparatus for explosive-. J. E. Gilson. No. 875,991; Jan. 7; Sp. p. 595; Dr. p. 127; Gaz. vol. 132; p. 104.
- Engines and motors, Alarm or signal system for. W. S. Rush. No. 900,428; Oct. 6; Sp. p. 746; Dr. pp. 155-6; Gaz. vol. 136; p. 1191.
- Engines and the like, Casing and cylinder construction for gas-. C. R. Piggins. No. 898,678; Sept. 15; Sp. p. 2901; Dr. pp. 620-1; Gaz. vol. 136; p. 527.

Alphabetical list of inventions—Continued.

- Engines and the like, Cylinder for gas-. C. Houben. No. 896,543; Aug. 18; Sp. p. 3522; Dr. p. 756; Gaz. vol. 135; p. 1517.
Engines and the like, Sparking device for gas-. F. A. Thurston. No. 900,798; Oct. 13; Sp. p. 1546; Dr. p. 315; Gaz. vol. 136; p. 1338.
Engines and threshing-machines, Means for coupling traction-. F. W. Jolitz. No. 906,533; Dec. 15; Sp. p. 2754; Gaz. vol. 137; p. 1500.
Engines, Apparatus for cooling cylinders of gas-. A. Knox. No. 888,909; May 26; Sp. p. 5232; Dr. p. 1109; Gaz. vol. 134; p. 936.
Engines, Apparatus for supplying fuel to gas-. S. R. Du Brie. No. 906,783; Dec. 15; Sp. p. 3222; Gaz. vol. 137; p. 1578.
Engines, Assistant cylinder for steam-. L. D. Lovekin. No. 884,510; Apr. 14; Sp. p. 1702; Dr. p. 366; Gaz. vol. 133; p. 1493.
Engines, Automatic power-releasing device for draft-. W. H. Rhodes. No. 882,419; Mar. 17; Sp. p. 3832; Dr. p. 818; Gaz. vol. 133; p. 692.
Engines, Belt-holder for. E. and C. Hicks. No. 900,538; Oct. 6; Sp. p. 1002; Dr. p. 204; Gaz. vol. 136; p. 1226.
Engines, Bottle and holder for chemical-. J. T. Lally. No. 890,286; June 9; Sp. p. 2218; Dr. p. 488; Gaz. vol. 134; p. 1439.
Engines, Burner for explosive-. J. S. Lang. No. 880,313; Feb. 25; Sp. p. 4995; Dr. p. 1054; Gaz. vol. 132; p. 1747.
Engines, Carburetor for explosive-. E. F. Abernethy. No. 906,671; Dec. 15; Sp. p. 3000; Gaz. vol. 137; p. 1541.
Engines, Carburetor for internal-combustion. G. Enrico. No. 904,855; Nov. 24; Sp. p. 4792; Gaz. vol. 137; p. 859.
Engines, Cartridge system for explosive-. W. H. McNutt. No. 900,765; Oct. 13; Sp. p. 1471; Dr. p. 299; Gaz. vol. 136; p. 1327.
Engines, Charge-forming device for internal-combustion. W. Brothers. No. 876,519; Jan. 14; Sp. p. 1701; Dr. p. 370; Gaz. vol. 132; p. 308.
Engines, Charge-supplying means for internal-combustion. P. M. MacKaskie. No. 890,522; June 9; Sp. p. 2658; Dr. p. 587; Gaz. vol. 134; p. 1514.
Engines, Compressor for internal-combustion. H. W. Adams. No. 881,040; Mar. 3; Sp. p. 1093; Dr. p. 237; Gaz. vol. 133; p. 187.
Engines, Control and fuel-feeding device for internal-combustion. J. T. Dickson. No. 899,715; Sept. 29; Sp. p. 4887; Dr. pp. 1049-50; Gaz. vol. 136; p. 925.
Engines, Current-distributing device for igniting explosive-. H. de La Valette. No. 886,225; Apr. 28; Sp. p. 5238; Dr. p. 1103; Gaz. vol. 133; p. 2112.
Engines, Deodorizer for internal-combustion. W. R. C. Wakley and R. Parsons. No. 887,988; May 19; Sp. p. 3355; Dr. pp. 704-5; Gaz. vol. 134; p. 603.
Engines, Device for igniting the charges of internal-combustion. F. Reichenbach. No. 885,520; Apr. 21; Sp. p. 3776; Dr. p. 795; Gaz. vol. 133; p. 1853.
Engines, Device for reversing the direction of rotation of internal-combustion. L. Le Pontois. No. 904,624; Nov. 24; Sp. p. 4289; Gaz. vol. 137; p. 781.
Engines, Device for reversing the direction of rotation of internal-combustion. L. Le Pontois. No. 904,625; Nov. 24; Sp. p. 4291; Gaz. vol. 137; p. 781.
Engines, Dynamometer for explosion-. N. M. Hopkins. No. 903,090; Nov. 3; Sp. p. 1116; Gaz. vol. 137; p. 182.
Engines, Electric-circuit controller for internal-combustion. C. Cuno. No. 902,522; Oct. 27; Sp. p. 5160; Dr. p. 1045; Gaz. vol. 136; p. 1969.
Engines, Electric igniter for gas or vapor. L. O. McPherson. No. 885,072; Apr. 21; Sp. p. 2864; Dr. p. 608; Gaz. vol. 133; p. 1708.
Engines, Electric sparking device for gas-. E. R. Moffitt. No. 878,412; Feb. 4; Sp. p. 1044; Dr. p. 211; Gaz. vol. 132; p. 1020.
Engines, Electrical automatic stop for gasolene-. C. Echard and R. S. Paul. No. 892,035; June 30; Sp. p. 5791; Dr. p. 1246; Gaz. vol. 134; p. 2108.
Engines, Electrical-ignition spark-coil for gas or vapor. E. Q. Williams. No. 884,116; Apr. 7; Sp. p. 932; Dr. p. 196; Gaz. vol. 133; p. 1338.
Engines, Firing device for gas-. L. L. Lewis. No. 882,325; Mar. 17; Sp. p. 3676; Dr. p. 780; Gaz. vol. 133; p. 663.
Engines, Front-wheel drive for traction-. J. A. Peters. No. 905,918; Dec. 8; Sp. p. 1595; Gaz. vol. 137; p. 1275.
Engines, Fuel-feed system for internal-combustion. F. W. Brady. No. 891,903; June 30; Sp. p. 5537; Dr. pp. 1194-5; Gaz. vol. 134; p. 2067.
Engines, Fuel-pump for internal-combustion. J. D. Macpherson. No. 890,673; June 16; Sp. p. 2994; Dr. pp. 657-8; Gaz. vol. 134; p. 1598.
Engines, Fuel-pump for internal-combustion. J. D. Macpherson. No. 898,124; Sept. 8; Sp. p. 1819; Dr. p. 386; Gaz. vol. 136; p. 317.
Engines, Fuel-pump for reversible internal-combustion. K. J. E. Hesselman. No. 906,022; Dec. 8; Sp. p. 1789; Gaz. vol. 137; p. 1307.
Engines, Heat-dissipating device for gas-. G. S. Hill. No. 898,107; Sept. 8; Sp. p. 1791; Dr. p. 380; Gaz. vol. 136; p. 312.
Engines, Igniter-rod for gasolene-. R. J. Rennie. No. 888,533; May 26; Sp. p. 4404; Dr. p. 933; Gaz. vol. 134; p. 809.
Engines, Ignition for explosion-. R. Varley. No. 885,894; Apr. 28; Sp. p. 4567; Dr. p. 958; Gaz. vol. 133; p. 2004.
Engines, Ignition mechanism for internal-combustion. T. S. Bailey and F. T. Cable. No. 883,851; Apr. 7; Sp. p. 364; Dr. p. 71; Gaz. vol. 133; p. 1249.
Engines, Ignition system for explosion-. R. Varley. No. 902,782; Nov. 3; Sp. p. 477; Gaz. vol. 137; p. 84.
Engines, Ignition system for explosion-. R. Varley. No. 902,783; Nov. 3; Sp. p. 480; Gaz. vol. 137; p. 84.
Engines in self-propelled vehicles, Starter for explosion-. D. B. Gardner. No. 896,375; Aug. 18; Sp. p. 3179; Dr. p. 682; Gaz. vol. 135; p. 1462.
Engines, Incandescent igniter for gas-. J. S. Lang. No. 896,398; Aug. 18; Sp. p. 3216; Dr. p. 690; Gaz. vol. 135; p. 1469.
Engines, Locking device for front-plate stripping-doors of carding-. J. Myerscough and J. Gornall. No. 884,405; Apr. 14; Sp. p. 1489; Dr. pp. 319-20; Gaz. vol. 133; p. 1460.
Engines, Lubricant-distributor for. V. Lancia. No. 878,073; Feb. 4; Sp. p. 369; Dr. p. 76; Gaz. vol. 132; p. 908.
Engines, Lubricating-filter for. J. R. Whittemore. No. 893,964; July 21; Sp. p. 3305; Dr. p. 679; Gaz. vol. 135; p. 580.
Engines, Magneto-electric igniter device for explosive-. O. Carlberg. No. 878,935; Feb. 11; Sp. p. 2171; Dr. p. 454; Gaz. vol. 132; p. 1224.
Engines, Make-and-break igniter for explosive-. R. H. Koenig. No. 881,009; Mar. 3; Sp. p. 1044; Dr. p. 226; Gaz. vol. 133; p. 178.
Engines, Means for connecting and disconnecting. S. S. Smith. No. 905,011; Nov. 24; Sp. p. 5109; Gaz. vol. 137; p. 910.
Engines, Means for distributing water to water-jackets of multiple-cylinder. V. J. Emery. No. 884,826; Apr. 7; Sp. p. 1316; Dr. p. 279; Gaz. vol. 133; p. 1404.
Engines, Means for forcing cooling liquids to. A. M. Zimmerman. No. 882,226; Mar. 17; Sp. p. 3479; Dr. pp. 739-40; Gaz. vol. 133; p. 628.
Engines, Means for operating reverse-levers of. C. R. Smith. No. 887,132; May 12; Sp. p. 1576; Dr. p. 335; Gaz. vol. 134; p. 289.
Engines, Mechanism for gasolene-. P. W. Dillon. No. 879,609; Feb. 18; Sp. p. 3552; Dr. p. 743; Gaz. vol. 132; p. 1483.
Engines, Motion-transmitting device for motive-power. A. J. B. Lége. No. 876,202; Jan. 7; Sp. p. 999; Dr. pp. 216-17; Gaz. vol. 132; p. 170.
Engines, Operating combustion-. P. Winand and H. Neumann. No. 885,820; Apr. 28; Sp. p. 4434; Dr. p. 931; Gaz. vol. 133; p. 1980.
Engines, Process and apparatus for injection of liquid fuels into internal-combustion. R. Diesel. No. 890,620; June 16; Sp. p. 2889; Dr. p. 635; Gaz. vol. 134; p. 1531.
Engines, Reversing device for internal-combustion. E. A. Rundlöf. No. 883,750; Apr. 7; Sp. p. 137; Dr. p. 25; Gaz. vol. 133; p. 1216.
Engines, Safety-crank for internal-combustion. N. W. Hartman. No. 892,049; June 30; Sp. p. 5825; Dr. p. 1253; Gaz. vol. 134; p. 2113.
Engines, Sparking-circuit controller for explosion-. W. E. Dow. No. 888,597; May 26; Sp. p. 4551; Dr. p. 965; Gaz. vol. 134; p. 833.
Engines, Sparking igniter for explosive-gas. F. A. Feldkamp. No. 892,037; June 30; Sp. p. 5794; Dr. p. 1247; Gaz. vol. 134; p. 2109.
Engines, Sparkless smoke-stack for traction-. A. Mathison. No. 897,385; Sept. 1; Sp. p. 297; Dr. p. 61; Gaz. vol. 136; p. 45.
Engines, Speed-limiting device for electrically-ignited explosive-. F. S. Perrin. No. 880,093; Feb. 25; Sp. p. 4549; Dr. p. 958; Gaz. vol. 132; p. 1673.
Engines, Starting-clutch for explosive-. R. E. Bradway. No. 876,936; Jan. 21; Sp. p. 2564; Dr. p. 559; Gaz. vol. 132; p. 485.
Engines, Striking-pin for piston-hammer rock-drilling. J. G. Leyner. No. 901,538; Oct. 20; Sp. p. 3090; Dr. p. 631; Gaz. vol. 136; p. 1616.
Engines, Supplying energy to. E. T. Young. No. 901,310; Oct. 13; Sp. p. 2558; Dr. p. 526; Gaz. vol. 136; p. 1502.
Engines, System for the ignition of the gaseous mixtures in explosive-gas. F. A. Feldkamp. No. 892,038; June 30; Sp. p. 5799; Dr. pp. 1247-8; Gaz. vol. 134; p. 2109.
Engines, Vaporizer or carburetor for gas-. C. D. Shain. No. 882,023; Mar. 17; Sp. p. 3097; Dr. p. 659; Gaz. vol. 133; p. 564.
Engines, Water-circulating apparatus for internal-combustion. J. W. Smith. No. 905,379; Dec. 1; Sp. p. 503; Gaz. vol. 137; p. 1069.
Engines, Water-injector for internal-combustion. A. G. Scholes and G. Gibson. No. 891,638; June 23; Sp. p. 4992; Dr. p. 1076; Gaz. vol. 134; p. 1946.
Engines with four cylinders, Starting device for explosion-. H. Saurer. No. 877,377; Jan. 21; Sp. p. 3470; Dr. pp. 753-4; Gaz. vol. 132; p. 632.
Engines with four cylinders, Starting device for explosion-. H. Saurer. No. 878,747; Feb. 11; Sp. p. 1804; Dr. p. 374; Gaz. vol. 132; p. 1164.
Engines with four cylinders, Starting device for explosion-. H. Saurer. No. 906,663; Dec. 15; Sp. p. 2984; Gaz. vol. 137; p. 1538.
Engines, Working expansion-. F. Hildebrand. No. 886,054; Apr. 28; Sp. p. 4929; Dr. p. 1036; Gaz. vol. 133; p. 2058.
Engines, Working explosive-. K. E. Schreiber. No. 898,512; Sept. 15; Sp. p. 2566; Dr. p. 549; Gaz. vol. 136; p. 474.
Engineering instruments to their supports, Device for attaching. R. V. R. Reynolds. No. 891,952; June 30; Sp. p. 5657; Dr. p. 1218; Gaz. vol. 134; p. 2084.
Engraver's clamp. C. M. Jones. No. 890,063; June 9; Sp. p. 1744; Dr. p. 386; Gaz. vol. 134; p. 1367.
Engraver's spoon-holder. F. W. Crocker. No. 900,148; Oct. 6; Sp. p. 157; Dr. p. 33; Gaz. vol. 136; p. 1099.
Engraving-machine. J. A. McLane. No. 881,021; Mar. 3; Sp. p. 1063; Dr. pp. 230-1; Gaz. vol. 133; p. 181.
Engraving-machine. W. E. Briley. No. 885,428; Apr. 21; Sp. p. 3620; Dr. p. 759; Gaz. vol. 133; p. 1826.

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- Engraving-machine. R. Turner and B. R. Corley. No. 886,898; May 5; Sp. p. 1128; Dr. pp. 236-7; Gaz. vol. 134; p. 185.
 Engraving-machine. W. W. Sawyer. No. 898,141; Sept. 8; Sp. p. 1856; Dr. pp. 396-7; Gaz. vol. 136; p. 323.
 Engraving-mill. C. A. Ker. No. 905,708; Dec. 1; Sp. p. 1177; Gaz. vol. 137; p. 1174.
 Engraving or sinking dies, Machine for. J. F. Keller. No. 877,436; Jan. 21; Sp. p. 3587; Dr. pp. 776-7; Gaz. vol. 132; p. 652.
 Ensilage-cutter. T. Ponsar and C. C. A. Bauercamper. No. 894,981; Aug. 4; Sp. p. 414; Dr. p. 84; Gaz. vol. 135; p. 961.
 Ensilage-distributor. W. E. Draper and F. W. Strohman. No. 891,608; June 23; Sp. p. 4907; Dr. p. 1058; Gaz. vol. 134; p. 1934.
 Envelop. B. A. Cole. No. 877,050; Jan. 21; Sp. p. 2820; Dr. p. 610; Gaz. vol. 132; p. 526.
 Envelop. G. W. Harvey. No. 877,330; Jan. 21; Sp. p. 3386; Dr. pp. 733-4; Gaz. vol. 132; p. 618.
 Envelop. J. Kuhn. No. 880,223; Feb. 25; Sp. p. 4826; Dr. p. 1021; Gaz. vol. 132; p. 1718.
 Envelop. P. Russo. No. 880,828; Mar. 3; Sp. p. 700; Dr. p. 147; Gaz. vol. 133; p. 119.
 Envelop. C. J. Fisher. No. 881,675; Mar. 10; Sp. p. 2352; Dr. p. 509; Gaz. vol. 133; p. 423.
 Envelop. F. L. Richardson. No. 882,843; Mar. 24; Sp. p. 4680; Dr. pp. 995-6; Gaz. vol. 133; p. 865.
 Envelop. M. L. Walter. No. 883,364; Mar. 31; Sp. p. 5730; Dr. p. 1222; Gaz. vol. 133; p. 1064.
 Envelop. T. Gabriele. No. 883,456; Mar. 31; Sp. p. 5950; Dr. p. 1269; Gaz. vol. 133; p. 1096.
 Envelop. J. W. Carraway. No. 883,620; Mar. 31; Sp. p. 6262; Dr. p. 1336; Gaz. vol. 133; p. 1146.
 Envelop. V. McElree. No. 883,662; Mar. 31; Sp. p. 6353; Dr. p. 1353; Gaz. vol. 133; p. 1159.
 Envelop. W. W. L. Longtoft. No. 884,174; Apr. 7; Sp. p. 1064; Dr. p. 221; Gaz. vol. 133; p. 1356.
 Envelop. E. Cowen. No. 884,317; Apr. 7; Sp. p. 1301; Dr. p. 275; Gaz. vol. 133; p. 1401.
 Envelop. P. Seeburger. No. 885,384; Apr. 21; Sp. p. 3552; Dr. p. 743; Gaz. vol. 133; p. 1814.
 Envelop. M. A. Corliss. No. 886,350; May 5; Sp. p. 22; Dr. p. 5; Gaz. vol. 134; p. 7.
 Envelop. G. Hitzler, Jr. No. 886,977; May 5; Sp. p. 1271; Dr. p. 268; Gaz. vol. 134; p. 211.
 Envelop. C. B. Stillwell. No. 890,538; June 9; Sp. p. 2691; Dr. p. 593; Gaz. vol. 134; p. 1520.
 Envelop. J. A. Travers. No. 891,114; June 16; Sp. p. 3886; Dr. pp. 850-1; Gaz. vol. 134; p. 1741.
 Envelop. W. Macdonald. No. 891,711; June 23; Sp. p. 5141; Dr. pp. 1110-11; Gaz. vol. 134; p. 1970.
 Envelop. C. S. Northrop. No. 892,611; July 7; Sp. p. 409; Dr. p. 90; Gaz. vol. 135; p. 76.
 Envelop. D. and G. La Tremouille. No. 892,858; July 7; Sp. p. 933; Dr. p. 197; Gaz. vol. 135; p. 156.
 Envelop. D. E. Davies. No. 893,227; July 14; Sp. p. 1096; Dr. p. 358; Gaz. vol. 135; p. 307.
 Envelop. W. E. Baldwin, Jr. No. 894,100; July 21; Sp. p. 3586; Dr. p. 739; Gaz. vol. 135; p. 626.
 Envelop. W. P. Ballard. No. 895,940; Aug. 11; Sp. p. 2318; Dr. p. 496; Gaz. vol. 135; p. 1300.
 Envelop. T. Lewis and H. C. Dando. No. 897,635; Sept. 1; Sp. p. 802; Dr. p. 169; Gaz. vol. 136; p. 128.
 Envelop. G. W. Post. No. 897,778; Sept. 1; Sp. p. 1038; Dr. p. 233; Gaz. vol. 136; p. 174.
 Envelop. T. S. Corbitt. No. 898,187; Sept. 8; Sp. p. 1944; Dr. p. 415; Gaz. vol. 136; p. 337.
 Envelop. F. V. Donnelly. No. 898,849; Sept. 15; Sp. p. 3208; Dr. p. 687; Gaz. vol. 136; p. 583.
 Envelop. J. E. Cockroft. No. 898,967; Sept. 15; Sp. p. 3415; Dr. p. 733; Gaz. vol. 136; p. 621.
 Envelop. E. Kohler. No. 900,395; Oct. 6; Sp. p. 633; Dr. p. 140; Gaz. vol. 136; p. 1179.
 Envelop. G. R. Lockwood. No. 900,751; Oct. 13; Sp. p. 1447; Dr. p. 294; Gaz. vol. 136; p. 1323.
 Envelop. O. E. Lewis. No. 901,357; Oct. 20; Sp. p. 2672; Dr. p. 548; Gaz. vol. 136; p. 1554.
 Envelop. H. L. Staley. No. 902,341; Oct. 27; Sp. p. 4769; Dr. p. 962; Gaz. vol. 136; p. 1908.
 Envelop. J. A. Cheape. No. 902,375; Oct. 27; Sp. p. 4824; Dr. p. 975; Gaz. vol. 136; p. 1918.
 Envelop. T. J. Heath. No. 903,717; Nov. 10; Sp. p. 2366; Gaz. vol. 137; p. 416.
 Envelop. W. C. Jones. No. 904,262; Nov. 17; Sp. p. 3537; Gaz. vol. 137; p. 633.
 Envelop. W. J. Bernthold. No. 904,750; Nov. 24; Sp. p. 4560; Gaz. vol. 137; p. 823.
 Envelop. W. J. Bernthold. No. 904,751; Nov. 24; Sp. p. 4560; Gaz. vol. 137; p. 823.
 Envelop. E. Halfin. No. 905,307; Dec. 1; Sp. p. 341; Gaz. vol. 137; p. 1043.
 Envelop. A. J. King. No. 905,542; Dec. 1; Sp. p. 877; Gaz. vol. 137; p. 1123.
 Envelop. C. R. Rawdon. No. 905,923; Dec. 8; Sp. p. 1604; Gaz. vol. 137; p. 1277.
 Envelop. G. Dumas. No. 906,121; Dec. 8; Sp. p. 1985; Gaz. vol. 137; p. 1338.
 Envelop. J. Carter. No. 906,384; Dec. 8; Sp. p. 2473; Gaz. vol. 137; p. 1425.
 Envelop. S. J. Stephens. No. 906,958; Dec. 15; Sp. p. 3556; Gaz. vol. 137; p. 1633.
 Envelop and inclosure, Combination. J. P. Keegan. No. 884,394; Apr. 14; Sp. p. 1471; Dr. p. 314; Gaz. vol. 133; p. 1456.
 Envelop and letter sheet, Combined. W. A. Primmore. No. 878,234; Feb. 4; Sp. p. 697; Dr. p. 144; Gaz. vol. 132; p. 959.
 Envelop and letter-sheet, Combined. C. W. Cook. No. 882,297; Mar. 17; Sp. p. 3620; Dr. p. 768; Gaz. vol. 133; p. 653.
 Envelop and letter-sheet, Combined. I. L. Greenblat. No. 886,971; May 5; Sp. p. 1260; Dr. p. 266; Gaz. vol. 134; p. 209.
 Envelop and similar machines, Delivery mechanism for. C. H. Heywood and D. E. Travis. No. 880,795; Mar. 3; Sp. p. 617; Dr. p. 130; Gaz. vol. 133; p. 107.
 Envelop and wrapper. J. H. Hirst. No. 905,313; Dec. 1; Sp. p. 356; Gaz. vol. 137; p. 1045.
 Envelop-blank-punching machine. W. S. Metcalfe. No. 908,116; Dec. 29; Sp. p. 5952; Gaz. vol. 137; p. 2080.
 Envelop, Clasp-. M. S. Shapleigh. No. 891,011; June 16; Sp. p. 3715; Dr. p. 811; Gaz. vol. 134; p. 1710.
 Envelop-fastener. L. M. Norwood. No. 882,015; Mar. 17; Sp. p. 3082; Dr. p. 656; Gaz. vol. 133; p. 562.
 Envelop-fastener. H. F. Manley. No. 883,035; Mar. 24; Sp. p. 5053; Dr. p. 1077; Gaz. vol. 133; p. 927.
 Envelop-fastener. E. B. Stimpson. No. 885,884; Apr. 28; Sp. p. 4554; Dr. p. 955; Gaz. vol. 133; p. 2001.
 Envelop-fastener. E. B. Stimpson. No. 889,269; June 2; Sp. p. 151; Dr. p. 36; Gaz. vol. 134; p. 1083.
 Envelop-fastener. E. E. Runyon. No. 889,638; June 2; Sp. p. 875; Dr. pp. 200-1; Gaz. vol. 134; p. 1201.
 Envelop-machine. F. A. Burnett. No. 876,689; Jan. 14; Sp. p. 2072; Dr. pp. 450-1; Gaz. vol. 132; p. 367.
 Envelop-machine. T. W. Kienast. No. 884,335; Apr. 7; Sp. p. 1336; Dr. pp. 285-6; Gaz. vol. 133; p. 1407.
 Envelop-machine. E. P. Waterhouse. No. 890,829; June 16; Sp. p. 3330; Dr. pp. 728-9; Gaz. vol. 134; p. 1650.
 Envelop-machine. J. West. No. 893,042; July 14; Sp. p. 1332; Dr. pp. 281-3; Gaz. vol. 135; p. 248.
 Envelop-machine. W. D. Slater. No. 893,105; July 14; Sp. p. 1450; Dr. pp. 306-7; Gaz. vol. 135; p. 267.
 Envelop-machine. W. E. Swift. No. 893,110; July 14; Sp. p. 1465; Dr. p. 309; Gaz. vol. 135; p. 269.
 Envelop-machine. F. F. Flagg and G. W. Smith. No. 902,222; Oct. 27; Sp. p. 4501; Dr. pp. 910-11; Gaz. vol. 136; p. 1867.
 Envelop-machines, Gunning mechanism for. F. F. Flagg and G. W. Smith. No. 892,985; July 14; Sp. p. 1205; Dr. p. 255; Gaz. vol. 135; p. 229.
 Envelop, Novelty surprise-. A. V. Donahey. No. 904,052; Nov. 17; Sp. p. 3077; Gaz. vol. 137; p. 559.
 Envelop-opener. H. F. Hansen. No. 889,004; May 26; Sp. p. 5406; Dr. p. 1148; Gaz. vol. 134; p. 965.
 Envelop-opener or paper-cutter. A. H. Reinhold. No. 890,300; June 9; Sp. p. 2246; Dr. p. 494; Gaz. vol. 134; p. 1445.
 Envelop or bag closure. J. B. Merckels. No. 877,789; Jan. 28; Sp. p. 4280; Dr. p. 929; Gaz. vol. 132; p. 786.
 Envelop, Quick-opening. W. D. Smith. No. 895,053; Aug. 4; Sp. p. 557; Dr. pp. 114-15; Gaz. vol. 135; p. 986.
 Envelop, Return-. T. C. West. No. 886,449; May 5; Sp. p. 211; Dr. p. 45; Gaz. vol. 134; p. 40.
 Envelop, Reversible. F. A. Vinkus. No. 895,520; Aug. 11; Sp. p. 1496; Dr. p. 316; Gaz. vol. 135; p. 1166.
 Envelop, Safety-. R. W. Vail. No. 877,532; Jan. 28; Sp. p. 3785; Dr. p. 821; Gaz. vol. 132; p. 704.
 Envelop, Safety-. R. W. Vail. No. 877,533; Jan. 28; Sp. p. 3791; Dr. p. 821; Gaz. vol. 132; p. 705.
 Envelop, Safety-. M. N. Thompson. No. 880,936; Mar. 3; Sp. p. 910; Dr. p. 196; Gaz. vol. 133; p. 153.
 Envelop, Safety-. C. C. Blake. No. 885,573; Apr. 21; Sp. p. 3922; Dr. p. 819; Gaz. vol. 133; p. 1870.
 Envelop, Safety-. W. F. Oliver. No. 887,509; May 12; Sp. p. 2415; Dr. p. 509; Gaz. vol. 134; p. 415.
 Envelop, Safety-. H. G. Taylor. No. 894,081; July 21; Sp. p. 3551; Dr. pp. 728-9; Gaz. vol. 135; p. 619.
 Envelop, Safety-. W. H. Heiliger. No. 901,001; Oct. 13; Sp. p. 1978; Dr. p. 402; Gaz. vol. 136; p. 1406.
 Envelop, Safety-. I. Klein. No. 902,301; Oct. 27; Sp. p. 4661; Dr. p. 945; Gaz. vol. 136; p. 1893.
 Envelop, Safety-. W. E. Smith. No. 905,757; Dec. 1; Sp. p. 1276; Gaz. vol. 137; p. 1191.
 Envelop, Safety-. J. S. Horton. No. 906,630; Dec. 15; Sp. p. 2929; Gaz. vol. 137; p. 1529.
 Envelops and the like, Fastener for. J. S. Applegate. No. 898,819; Sept. 15; Sp. p. 3154; Dr. p. 674; Gaz. vol. 136; p. 572.
 Equalizer. A. V. and D. M. Baker. No. 894,999; Aug. 4; Sp. p. 456; Dr. p. 92; Gaz. vol. 135; p. 968.
 Equalizer, Four-horse. O. and F. Zoeller. No. 877,278; Jan. 21; Sp. p. 3286; Dr. p. 711; Gaz. vol. 132; p. 602.
 Equalizing device. A. Lawson. No. 892,747; July 7; Sp. p. 702; Dr. p. 148; Gaz. vol. 135; p. 121.
 Equalizing mechanism. F. Mueller. No. 876,381; Jan. 14; Sp. p. 1386; Dr. p. 299; Gaz. vol. 132; p. 259.
 Equalizing mechanism. F. Mueller. No. 901,360; Oct. 20; Sp. p. 2678; Dr. pp. 549-50; Gaz. vol. 136; p. 1556.
 Eraser, Blackboard-. W. H. Hartley. No. 879,767; Feb. 18; Sp. p. 3851; Dr. p. 807; Gaz. vol. 132; p. 1534.
 Eraser, Blackboard-. E. P. Dean. No. 890,342; June 9; Sp. p. 2330; Dr. p. 514; Gaz. vol. 134; p. 1458.
 Eraser cleaner, Blackboard-. T. Adams. No. 906,983; Dec. 15; Sp. p. 3592; Gaz. vol. 137; p. 1640.
 Eraser-cleaning apparatus, Blackboard-. H. G. Berkeley. No. 895,232; Aug. 4; Sp. p. 914; Dr. p. 192; Gaz. vol. 135; p. 1047.
 Eraser holder, Chalk-. F. C. Woods. No. 896,605; Aug. 18; Sp. p. 3626; Dr. p. 779; Gaz. vol. 135; p. 1538.
 Eraser, Ink-. O. W. Johnson and E. A. Scott. No. 899,539; Sept. 29; Sp. p. 4531; Dr. p. 973; Gaz. vol. 136; p. 870.
 Eraser, Ink-. J. C. Huss. No. 900,374; Oct. 6; Sp. p. 642; Dr. p. 132; Gaz. vol. 136; p. 1172.
 Erasing device. J. S. Rapson. No. 878,895; Feb. 11; Sp. p. 2100; Dr. p. 437; Gaz. vol. 132; p. 1211.

Alphabetical list of inventions—Continued.

- Erasing instrument. I. Lucas. No. 878,735; Feb. 11; Sp. p. 1786; Dr. p. 369; Gaz. vol. 132; p. 1160.
 Erasing instrument. I. Lucas. No. 895,097; Aug. 4; Sp. p. 641; Dr. p. 133; Gaz. vol. 135; p. 1001.
 Erasing-machine. F. W. Lierman. No. 877,348; Jan. 21; Sp. p. 3411; Dr. p. 740; Gaz. vol. 132; p. 623.
 Erasing-shield for draftsmen. L. Hall. No. 876,451; Jan. 14; Sp. p. 1546; Dr. p. 331; Gaz. vol. 132; p. 284.
 Escalator-landing. E. L. Gale, Sr. No. 896,068; Aug. 18; Sp. p. 2631; Dr. pp. 569-70; Gaz. vol. 135; p. 1374.
 Escapement. G. W. Bennum. No. 877,881; Jan. 28; Sp. p. 4449; Dr. p. 970; Gaz. vol. 132; p. 816.
 Escapement-wheel. P. E. Jeanninair. No. 898,479; Sept. 15; Sp. p. 2500; Dr. p. 535; Gaz. vol. 136; p. 463.
 Ester, Diaminobenzoic-acid alkalin. A. Einhorn. No. 907,017; Dec. 15; Sp. p. 3653; Gaz. vol. 137; p. 1651.
 Esters from solutions, Separating cellulose. L. Lederer. No. 902,093; Oct. 27; Sp. p. 4229; Gaz. vol. 136; p. 1826.
 Esters, Manufacture of camphol. A. Verley, E. Urbain, and A. Feige. No. 907,428; Dec. 22; Sp. p. 4505; Gaz. vol. 137; p. 1825.
 Esters, Producing borneol. E. Berge. No. 903,047; Nov. 3; Sp. p. 1040; Gaz. vol. 137; p. 170.
 Etching apparatus, Plate-. J. N. Axt. No. 882,443; Mar. 17; Sp. p. 3872; Dr. p. 827; Gaz. vol. 133; p. 701.
 Etching or engraving machine. F. L. O. Wadsworth. No. 887,553; May 12; Sp. p. 2491; Dr. p. 526; Gaz. vol. 134; p. 430.
 Etching or engraving machine. F. L. O. Wadsworth. No. 887,554; May 12; Sp. p. 2496; Dr. pp. 526-7; Gaz. vol. 134; p. 430.
 Ether, Making chloracetic. G. Imbert. No. 901,009; Oct. 13; Sp. p. 1994; Gaz. vol. 136; p. 1408.
 Evaporating and concentrating apparatus, Liquid. C. L. Prache and C. G. V. Bouillon. No. 896,460; Aug. 18; Sp. p. 3344; Dr. pp. 719-20; Gaz. vol. 135; p. 1490.
 Evaporating apparatus. G. P. McArthur. No. 880,812; Mar. 3; Sp. p. 652; Dr. p. 137; Gaz. vol. 133; p. 113.
 Evaporating apparatus. J. A. Just. No. 888,018; May 19; Sp. p. 3414; Dr. p. 717; Gaz. vol. 134; p. 613.
 Evaporating-pan. W. B. Ogden. No. 895,669; Aug. 11; Sp. p. 1785; Dr. p. 379; Gaz. vol. 135; p. 1213.
 Evaporation, Apparatus for continuous. H. Winter. No. 881,523; Mar. 10; Sp. p. 2051; Dr. p. 449; Gaz. vol. 133; p. 373.
 Evaporator. F. Sawyer. No. 877,665; Jan. 28; Sp. p. 4061; Dr. p. 880; Gaz. vol. 132; p. 748.
 Evaporator. P. G. Kaiser. No. 880,080; Feb. 25; Sp. p. 4531; Dr. pp. 953-4; Gaz. vol. 132; p. 1670.
 Evaporator. E. Zaremba. No. 881,990; Mar. 17; Sp. p. 3014; Dr. p. 643; Gaz. vol. 133; p. 554.
 Evaporator. E. Zaremba. No. 882,043; Mar. 17; Sp. p. 3142; Dr. pp. 666-7; Gaz. vol. 133; p. 570.
 Evaporator. G. H. Grimm. No. 884,272; Apr. 7; Sp. p. 1231; Dr. p. 259; Gaz. vol. 133; p. 1388.
 Evaporator. T. Suzuki. No. 894,407; July 28; Sp. p. 4255; Dr. p. 878; Gaz. vol. 135; p. 746.
 Evaporator. E. von Seemen. No. 898,147; Sept. 8; Sp. p. 1868; Dr. p. 398; Gaz. vol. 136; p. 324.
 Evaporator. W. Kirkwood. No. 899,738; Sept. 29; Sp. p. 4940; Dr. p. 1059; Gaz. vol. 136; p. 933.
 Evaporator. O. Faller. No. 907,109; Dec. 15; Sp. p. 3828; Gaz. vol. 137; p. 1680.
 Evaporator-cooler. B. M. Hodgins. No. 881,121; Mar. 10; Sp. p. 1253; Dr. p. 270; Gaz. vol. 133; p. 243.
 Evaporator or heater, Vacuum. J. E. and F. M. Dunn. No. 906,517; Dec. 15; Sp. p. 2725; Gaz. vol. 137; p. 1494.
 Evener. T. Kreutz. No. 878,209; Feb. 4; Sp. p. 654; Dr. p. 134; Gaz. vol. 132; p. 952.
 Evener, Four-horse. W. R. Campbell. No. 891,524; June 23; Sp. p. 4749; Dr. p. 1029; Gaz. vol. 134; p. 1909.
 Evener, Three-horse. A. L. Simon. No. 891,447; June 23; Sp. p. 4584; Dr. p. 996; Gaz. vol. 134; p. 1883.
 Excavating and dredging machine. D. Hogan. No. 907,361; Dec. 22; Sp. p. 4358; Gaz. vol. 137; p. 1802.
 Excavating and loading device. E. F. Baldwin. No. 890,954; June 16; Sp. p. 3605; Dr. p. 784; Gaz. vol. 134; p. 1690.
 Excavating apparatus. W. C. Weeks. No. 882,726; Mar. 24; Sp. p. 4440; Dr. p. 944; Gaz. vol. 133; p. 826.
 Excavating apparatus. W. C. Weeks. No. 887,990; May 19; Sp. p. 3360; Dr. pp. 705-6; Gaz. vol. 134; p. 604.
 Excavating apparatus. C. E. Wyman. No. 894,713; July 28; Sp. p. 4846; Dr. pp. 1007-8; Gaz. vol. 135; p. 846.
 Excavating apparatus. L. Bree. No. 895,236; Aug. 4; Sp. p. 934; Dr. pp. 196-7; Gaz. vol. 135; p. 1049.
 Excavating apparatus. M. M. Defrees. No. 905,153; Dec. 1; Sp. p. 56; Gaz. vol. 137; p. 992.
 Excavating apparatus, Windlass and grapple device for moving. L. Mayer. No. 903,597; Nov. 10; Sp. p. 2136; Gaz. vol. 137; p. 379.
 Excavating, hoisting, and conveying bucket. J. Marousch. No. 879,972; Feb. 25; Sp. p. 4312; Dr. pp. 902-3; Gaz. vol. 132; p. 1635.
 Excavating-machine. M. S. Longmaker. No. 877,578; Jan. 28; Sp. p. 3885; Dr. pp. 842-3; Gaz. vol. 132; p. 719.
 Excavating-machine. F. M. Wrabek. No. 879,231; Feb. 18; Sp. p. 2740; Dr. p. 572; Gaz. vol. 132; p. 1359.
 Excavating-machine. T. Reistad. No. 880,826; Mar. 3; Sp. p. 695; Dr. p. 146; Gaz. vol. 133; p. 118.
 Excavating-machine. F. J. Monahan. No. 883,821; Apr. 7; Sp. p. 290; Dr. pp. 54-5; Gaz. vol. 133; p. 1239.
 Excavating-machine. F. M. Johnson. No. 884,492; Apr. 14; Sp. p. 1666; Dr. pp. 359-60; Gaz. vol. 133; p. 1488.
 Excavating-machine. E. O. Rood. No. 884,764; Apr. 14; Sp. p. 2259; Dr. pp. 475-6; Gaz. vol. 133; p. 1579.
 Excavating-machine. W. N. Morrill. No. 896,538; July 7; Sp. p. 283; Dr. p. 62; Gaz. vol. 135; p. 53.
 Excavating-machine. H. Strom. No. 893,398; July 14; Sp. p. 2017; Dr. p. 423; Gaz. vol. 135; p. 363.
 Excavating-machine. W. Clemow. No. 896,892; Aug. 25; Sp. p. 4235; Dr. p. 905; Gaz. vol. 135; p. 1654.
 Excavating-machine. O. Hetlesæter. No. 899,597; Sept. 29; Sp. p. 4662; Dr. pp. 999-1000; Gaz. vol. 136; p. 890.
 Excavating-machine. W. M. Brown. No. 900,659; Oct. 6; Sp. p. 1261; Dr. pp. 257-8; Gaz. vol. 136; p. 1266.
 Excavating-machine. J. Organ. No. 908,317; Dec. 29; Sp. p. 6380; Gaz. vol. 137; p. 2150.
 Excavating-machine and the like. G. W. Jackson. No. 892,056; June 30; Sp. p. 5838; Dr. p. 1256; Gaz. vol. 134; p. 2115.
 Excavating-machine, Tunnel-. G. W. Jackson. No. 889,464; June 2; Sp. p. 554; Dr. pp. 130-1; Gaz. vol. 134; p. 1146.
 Excavating-machines, Sectional conveyor-frame for. A. C. Heck. No. 883,016; Mar. 24; Sp. p. 5019; Dr. p. 1067; Gaz. vol. 133; p. 921.
 Excavating, stripping, and conveying mechanism. M. E. Pugh. No. 895,586; Aug. 11; Sp. p. 1621; Dr. pp. 341-3; Gaz. vol. 135; p. 1186.
 Excavating-tool. R. A. Bonnell. No. 889,192; June 2; Sp. p. 9; Dr. p. 3; Gaz. vol. 134; p. 1058.
 Excavating-tool. P. Scott. No. 892,090; June 30; Sp. p. 5889; Dr. p. 1268; Gaz. vol. 134; p. 2125.
 Excavator. H. Greer, Jr., and J. R. Thompson. No. 878,460; Feb. 4; Sp. p. 1131; Dr. pp. 232-3; Gaz. vol. 132; p. 1035.
 Excavator. O. Schaller. No. 879,844; Feb. 18; Sp. p. 4013; Dr. p. 841; Gaz. vol. 132; p. 1500.
 Excavator. H. W. Blaisdell. No. 884,559; Apr. 14; Sp. p. 1800; Dr. p. 387; Gaz. vol. 133; p. 1510.
 Excavator. J. Kerwin. No. 884,932; Apr. 14; Sp. p. 2584; Dr. pp. 544-5; Gaz. vol. 133; p. 1631.
 Excavator. C. Suiter. No. 884,960; Apr. 14; Sp. p. 2634; Dr. pp. 558-61; Gaz. vol. 133; p. 1639.
 Excavator. C. C. Jacobs. No. 885,756; Apr. 28; Sp. p. 4300; Dr. pp. 900-1; Gaz. vol. 133; p. 1958.
 Excavator. C. C. Jacobs. No. 885,757; Apr. 28; Sp. p. 4302; Dr. pp. 901-2; Gaz. vol. 133; p. 1959.
 Excavator. T. P. Rochford. No. 886,729; May 5; Sp. p. 807; Dr. pp. 166-7; Gaz. vol. 134; p. 134.
 Excavator. C. G. Rollenhagen. No. 892,453; July 7; Sp. p. 125; Dr. pp. 27-8; Gaz. vol. 135; p. 25.
 Excavator. J. G. Fairbanks. No. 892,508; July 7; Sp. p. 235; Dr. p. 49; Gaz. vol. 135; p. 43.
 Excavator. O. Hetlesæter. No. 895,459; Aug. 11; Sp. p. 1380; Dr. pp. 290-1; Gaz. vol. 135; p. 1145.
 Excavator. T. Fenwick. No. 901,431; Oct. 20; Sp. p. 2853; Dr. pp. 582-3; Gaz. vol. 136; p. 1581.
 Excavator. J. B. Webber, Jr. No. 907,431; Dec. 22; Sp. p. 4510; Gaz. vol. 137; p. 1826.
 Excavator-bucket. A. E. Holcomb. No. 885,049; Apr. 21; Sp. p. 2826; Dr. p. 598; Gaz. vol. 133; p. 1702.
 Excavator-buckets, Mechanism for cleaning. T. De Young, Jr. No. 875,789; Jan. 7; Sp. p. 217; Dr. p. 47; Gaz. vol. 132; p. 40.
 Excavator, Clay-. R. N. Williams, Jr. No. 898,079; Sept. 8; Sp. p. 1735; Dr. pp. 368-9; Gaz. vol. 136; p. 304.
 Excavator, Endless-chain bucket. G. L. Hurst. No. 901,008; Oct. 13; Sp. p. 1992; Dr. p. 405; Gaz. vol. 136; p. 1408.
 Excavator, Power-. F. E. Kersey. No. 881,695; Mar. 10; Sp. p. 2382; Dr. pp. 516-17; Gaz. vol. 133; p. 428.
 Excavator, Power-. J. B. Webber, Jr. No. 884,439; Apr. 14; Sp. p. 1559; Dr. p. 335; Gaz. vol. 133; p. 1471.
 Excavator, Trench-. G. W. Parsons. No. 890,791; June 16; Sp. p. 3258; Dr. pp. 712-14; Gaz. vol. 134; p. 1638.
 Excavators, Chain-drive for. C. H. Caleson. No. 892,806; July 7; Sp. p. 813; Dr. p. 173; Gaz. vol. 135; p. 139.
 Exerciser. H. B. Nidever. No. 885,074; Apr. 21; Sp. p. 2869; Dr. p. 609; Gaz. vol. 133; p. 1709.
 Exerciser. W. Barrett. No. 886,032; Apr. 28; Sp. p. 4895; Dr. p. 1029; Gaz. vol. 133; p. 2051.
 Exerciser. A. Day. No. 897,722; Sept. 1; Sp. p. 973; Dr. p. 208; Gaz. vol. 136; p. 156.
 Exerciser. A. Limoges. No. 906,538; Dec. 15; Sp. p. 2761; Gaz. vol. 137; p. 1501.
 Exerciser, Physical. J. Lievre. No. 904,339; Nov. 17; Sp. p. 3709; Gaz. vol. 137; p. 659.
 Exerciser, Physical. J. P. C. Winship. No. 906,763; Dec. 15; Sp. p. 3193; Gaz. vol. 137; p. 1572.
 Exercising apparatus. E. A. Letzkus. No. 878,810; Feb. 11; Sp. p. 1935; Dr. p. 400; Gaz. vol. 132; p. 1184.
 Exercising apparatus. J. P. Thomas. No. 882,181; Mar. 17; Sp. p. 3401; Dr. p. 723; Gaz. vol. 133; p. 615.
 Exercising apparatus for oarsmen. D. Scanlan. No. 885,871; Apr. 28; Sp. p. 4531; Dr. p. 950; Gaz. vol. 133; p. 1997.
 Exercising-machine. O. K. Sletto. No. 904,815; Nov. 24; Sp. p. 4703; Gaz. vol. 137; p. 845.
 Exhaust and signal control. J. D. Maxwell. No. 896,455; Aug. 18; Sp. p. 3335; Dr. p. 717; Gaz. vol. 135; p. 1489.
 Exhaust-head. G. C. Rittenhouse. No. 903,887; Nov. 17; Sp. p. 2738; Gaz. vol. 137; p. 505.
 Exhaust-regenerator system. A. C. E. Rateau. No. 891,371; June 23; Sp. p. 4434; Dr. p. 965; Gaz. vol. 134; p. 1858.
 Exhaust-regulator. O. K. Rauh. No. 899,471; Sept. 22; Sp. p. 4376; Dr. p. 939; Gaz. vol. 136; p. 810.
 Exhaust, Under-water. C. B. Chatfield. No. 897,586; Sept. 1; Sp. p. 706; Dr. p. 148; Gaz. vol. 136; p. 112.
 Exhauster and compressor, Motor-driven. M. D. Compton. No. 884,131; Apr. 7; Sp. p. 980; Dr. pp. 204-5; Gaz. vol. 133; p. 1343.
 Exhibiting device. W. V. D. Kelley. No. 876,907; Jan. 14; Sp. p. 2473; Dr. p. 541; Gaz. vol. 132; p. 436.
 Exhibitor. H. Peterson. No. 896,753; Aug. 25; Sp. p. 3937; Dr. p. 849; Gaz. vol. 135; p. 1607.
 Expandable bit. E. Pastors. No. 879,309; Feb. 18; Sp. p. 2907; Dr. p. 606; Gaz. vol. 132; p. 1386.
 Expansion-bit. C. A. Butler. No. 890,493; June 9; Sp. p. 2601; Dr. p. 577; Gaz. vol. 134; p. 1505.

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- Expansion-block. L. Caputo. No. 895,158; Aug. 4; Sp. p. 757; Dr. p. 158; Gaz. vol. 135; p. 1020.
 Expansion-drill. J. B. Tygart. No. 877,265; Jan. 21; Sp. p. 3266; Dr. p. 706; Gaz. vol. 132; p. 598.
 Expansion-engine. E. Belknap. No. 890,595; June 16; Sp. p. 2824; Dr. pp. 622-3; Gaz. vol. 134; p. 1570.
 Expansion-joint. R. L. Brewer. No. 907,727; Dec. 29; Sp. p. 5153; Gaz. vol. 137; p. 1952.
 Expansion-pin. F. Rich. No. 903,777; Nov. 10; Sp. p. 2484; Gaz. vol. 137; p. 435.
 Expansion-trap. R. M. Dixon. No. 881,668; Mar. 10; Sp. p. 2341; Dr. p. 507; Gaz. vol. 133; p. 421.
 Expansion-wheel. R. R. Stein. No. 904,025; Nov. 17; Sp. p. 3022; Gaz. vol. 137; p. 551.
 Exploding blast charges, Means for. C. I. Dodson. No. 898,848; Sept. 15; Sp. p. 3204; Dr. p. 687; Gaz. vol. 136; p. 582.
 Exploding mine charges, Apparatus for. C. I. Dodson. No. 898,847; Sept. 15; Sp. p. 3201; Dr. p. 686; Gaz. vol. 136; p. 582.
 Explosion-engine. C. L. Edwards. No. 878,364; Feb. 4; Sp. p. 954; Dr. p. 191; Gaz. vol. 132; p. 1003.
 Explosion-engine. C. F. Pearson. No. 879,837; Feb. 18; Sp. p. 3998; Dr. p. 837; Gaz. vol. 132; p. 1558.
 Explosion-engine. H. Junkers. No. 891,078; June 16; Sp. p. 3830; Dr. p. 837; Gaz. vol. 134; p. 1730.
 Explosion-engine. T. J. E. Moldon. No. 895,099; Aug. 4; Sp. p. 644; Dr. p. 135; Gaz. vol. 135; p. 1001.
 Explosion-engine. T. W. Heermans. No. 898,103; Sept. 8; Sp. p. 1780; Dr. pp. 378-9; Gaz. vol. 136; p. 311.
 Explosion-engine. A. W. Cottrell and M. A. Moore. No. 900,668; Oct. 6; Sp. p. 1279; Dr. p. 261; Gaz. vol. 136; p. 1269.
 Explosion-engine. E. Apperson. No. 905,625; Dec. 1; Sp. p. 1027; Gaz. vol. 137; p. 1148.
 Explosion-engine, Two-cycle. H. C. Suckert. No. 907,196; Dec. 22; Sp. p. 4027; Gaz. vol. 137; p. 1745.
 Explosion-engine, Multiple-cylinder two-cycle. A. Winton and H. B. Anderson. No. 895,222; Aug. 4; Sp. p. 894; Dr. p. 187; Gaz. vol. 135; p. 1044.
 Explosion-engine, Rotating. R. C. Marks. No. 895,653; Aug. 11; Sp. p. 1746; Dr. p. 369; Gaz. vol. 135; p. 1208.
 Explosion-motor. A. Peugeot, T. Huber, and H. de Lostalot. No. 886,539; May 5; Sp. p. 388; Dr. pp. 81-2; Gaz. vol. 134; p. 71.
 Explosion-motor. H. A. Bertheau. No. 905,279; Dec. 1; Sp. p. 305; Gaz. vol. 137; p. 1036.
 Explosion-motor, Two-cycle. B. M. Aslakson. No. 885,313; Apr. 21; Sp. p. 3398; Dr. p. 710; Gaz. vol. 133; p. 1789.
 Explosion petroleum-engine. E. Körting and J. Kritzler. No. 904,267; Nov. 17; Sp. p. 3534; Gaz. vol. 137; p. 634.
 Explosive. A. E. Charbonneau. No. 886,038; Apr. 28; Sp. p. 4904; Gaz. vol. 133; p. 2053.
 Explosive. C. E. Bichel. No. 887,027; May 5; Sp. p. 1368; Gaz. vol. 134; p. 227.
 Explosive. W. S. Pierce. No. 892,302; June 30; Sp. p. 6309; Gaz. vol. 134; p. 2197.
 Explosive. C. Girard. No. 895,254; Aug. 4; Sp. p. 969; Gaz. vol. 135; p. 1055.
 Explosive. W. Rickmers. No. 896,325; Aug. 18; Sp. p. 3079; Gaz. vol. 135; p. 1447.
 Explosive. C. E. Bichel. No. 896,887; Aug. 25; Sp. p. 4225; Gaz. vol. 135; p. 1652.
 Explosive. O. von Schroetter. No. 908,149; Dec. 29; Sp. p. 6021; Gaz. vol. 137; p. 2092.
 Explosive compound. G. Schultz and F. Gehre. No. 894,707; July 28; Sp. p. 4838; Gaz. vol. 135; p. 844.
 Explosive compound engine. F. J. Woolf. No. 881,214; Mar. 10; Sp. p. 1437; Dr. pp. 310-11; Gaz. vol. 133; p. 273.
 Explosive compounds, Producing high-. P. Wheeler. No. 901,504; Oct. 20; Sp. p. 3027; Gaz. vol. 136; p. 1606.
 Explosive-engine. W. H. Hooper and F. S. Hutchins. No. 876,878; Jan. 14; Sp. p. 2416; Dr. pp. 526-7; Gaz. vol. 132; p. 426.
 Explosive-engine. W. L. Boyer. No. 877,483; Jan. 28; Sp. p. 3677; Dr. p. 798; Gaz. vol. 132; p. 687.
 Explosive-engine. H. R. Palmer. No. 877,730; Jan. 28; Sp. p. 4176; Dr. pp. 905-6; Gaz. vol. 132; p. 767.
 Explosive-engine. C. M. Fox. No. 879,954; Feb. 25; Sp. p. 4280; Dr. p. 895; Gaz. vol. 132; p. 1629.
 Explosive-engine. E. D. Hay. No. 880,024; Feb. 25; Sp. p. 4409; Dr. p. 927; Gaz. vol. 132; p. 1652.
 Explosive-engine. J. J. Boyler. No. 880,503; Mar. 3; Sp. p. 25; Dr. p. 6; Gaz. vol. 133; p. 7.
 Explosive-engine. J. S. Loeche and G. H. Gerber. No. 881,189; Mar. 10; Sp. p. 1384; Dr. pp. 298-300; Gaz. vol. 133; p. 265.
 Explosive-engine. G. W. Gibbs, Jr. No. 882,942; Mar. 24; Sp. p. 4887; Dr. p. 1037; Gaz. vol. 133; p. 898.
 Explosive-engine. H. L. F. Trebert. No. 884,053; Apr. 7; Sp. p. 777; Dr. p. 162; Gaz. vol. 133; p. 1317.
 Explosive-engine. C. R. Bryant. No. 886,184; Apr. 28; Sp. p. 5163; Dr. pp. 1086-7; Gaz. vol. 133; p. 2099.
 Explosive-engine. W. R. Harris. No. 886,500; May 5; Sp. p. 316; Dr. p. 65; Gaz. vol. 134; p. 58.
 Explosive-engine. K. Nicoll. No. 886,846; May 5; Sp. p. 1030; Dr. p. 217; Gaz. vol. 134; p. 169.
 Explosive-engine. H. D. Baird. No. 887,749; May 19; Sp. p. 2876; Dr. p. 606; Gaz. vol. 134; p. 523.
 Explosive-engine. H. O. Westendarp. No. 888,282; May 19; Sp. p. 3894; Dr. pp. 821-2; Gaz. vol. 134; p. 697.
 Explosive-engine. H. O. Westendarp. No. 888,374; May 19; Sp. p. 4076; Dr. pp. 859-60; Gaz. vol. 134; p. 725.
 Explosive-engine. A. P. Schmucler. No. 890,532; June 9; Sp. p. 2673; Dr. pp. 590-1; Gaz. vol. 134; p. 1518.
 Explosive-engine. C. H. Baldwin. No. 892,795; July 7; Sp. p. 791; Dr. p. 167; Gaz. vol. 135; p. 136.
 Explosive-engine. C. R. Greuter. No. 893,323; July 14; Sp. p. 1881; Dr. p. 394; Gaz. vol. 135; p. 338.
 Explosive-engine. C. F. Goodrich. No. 893,480; July 14; Sp. p. 2213; Dr. pp. 465-6; Gaz. vol. 135; p. 390.
 Explosive-engine. L. R. O'Neill. No. 894,225; July 28; Sp. p. 3864; Dr. p. 800; Gaz. vol. 135; p. 686.
 Explosive-engine. V. F. Carpenter. No. 898,317; Sept. 8; Sp. p. 2180; Dr. p. 463; Gaz. vol. 136; p. 377.
 Explosive-engine. A. W. Daniel. No. 898,974; Sept. 15; Sp. p. 3424; Dr. pp. 735-6; Gaz. vol. 136; p. 624.
 Explosive-engine. A. F. Towle. No. 905,389; Dec. 1; Sp. p. 516; Gaz. vol. 137; p. 1072.
 Explosive-engine. R. A. Maples. No. 905,727; Dec. 1; Sp. p. 1209; Gaz. vol. 137; p. 1180.
 Explosive-engine. R. A. Maples. No. 905,822; Dec. 1; Sp. p. 1399; Gaz. vol. 137; p. 1213.
 Explosive-engine. H. Charles. No. 906,105; Dec. 8; Sp. p. 1955; Gaz. vol. 137; p. 1333.
 Explosive-engine. P. V. Rehill. No. 906,288; Dec. 8; Sp. p. 2299; Gaz. vol. 137; p. 1395.
 Explosive-engine. W. O. Worth. No. 907,669; Dec. 22; Sp. p. 5042; Gaz. vol. 137; p. 1904.
 Explosive-engine, Compound. J. A. Williams. No. 892,790; July 7; Sp. p. 782; Dr. p. 165; Gaz. vol. 135; p. 134.
 Explosive-engine, Compound double-acting. M. M. Maher. No. 898,243; Sept. 8; Sp. p. 2055; Dr. p. 437; Gaz. vol. 136; p. 355.
 Explosive-engine, Multiple. E. H. Williams. No. 906,345; Dec. 8; Sp. p. 2411; Gaz. vol. 137; p. 1414.
 Explosive-engine, Rock-drilling. A. B. Wittmann and G. L. Rork. No. 890,546; June 9; Sp. p. 2705; Dr. pp. 597-8; Gaz. vol. 134; p. 1522.
 Explosive mechanism, Repeating. H. A. Bierley and W. F. Probst. No. 892,118; June 30; Sp. p. 5943; Dr. p. 1280; Gaz. vol. 134; p. 2135.
 Explosive-mixing machine. G. P. Jones. No. 882,114; Mar. 17; Sp. p. 3264; Dr. pp. 694-5; Gaz. vol. 133; p. 594.
 Explosive-motor. C. R. Gergler. No. 879,763; Feb. 18; Sp. p. 3844; Dr. p. 806; Gaz. vol. 132; p. 1533.
 Explosive-motor, Compound. S. A. Reeve. No. 904,807; Nov. 24; Sp. p. 4689; Gaz. vol. 137; p. 842.
 Explosive-preserving apparatus. J. Ortiz. No. 906,459; Dec. 8; Sp. p. 2608; Gaz. vol. 137; p. 1449.
 Explosive, Safety-. B. G. Reschke. No. 882,910; Mar. 24; Sp. p. 4821; Gaz. vol. 133; p. 887.
 Explosive, Safety-. N. Ceipek. No. 907,007; Dec. 15; Sp. p. 3635; Gaz. vol. 137; p. 1647.
 Explosive shell. M. W. Gilmartin. No. 890,906; June 16; Sp. p. 3459; Dr. p. 758; Gaz. vol. 134; p. 1671.
 Explosive, Smokeless. M. Abelli. No. 899,855; Sept. 29; Sp. p. 5215; Gaz. vol. 136; p. 975.
 Explosive, Stable. F. B. Holmes. No. 891,420; June 23; Sp. p. 4539; Gaz. vol. 134; p. 1875.
 Explosive, Stable. F. B. Holmes. No. 895,639; Aug. 11; Sp. p. 1721; Gaz. vol. 135; p. 1203.
 Explosives, Apparatus for distilling off and recovering the solvent used in the manufacture of. W. Nikolsky. No. 904,636; Nov. 24; Sp. p. 4316; Gaz. vol. 137; p. 785.
 Explosives, Machine for mixing. H. Auchu. No. 902,464; Oct. 27; Sp. p. 5020; Dr. pp. 1015-16; Gaz. vol. 136; p. 1947.
 Explosives, Machine for mixing. H. Auchu. No. 902,465; Oct. 27; Sp. p. 5022; Dr. pp. 1016-17; Gaz. vol. 136; p. 1947.
 Explosives, Preserving. J. Ortiz. No. 897,923; Sept. 8; Sp. p. 1409; Dr. pp. 300-1; Gaz. vol. 136; p. 254.
 Explosives, Producing gelatinized nitrocellulose. G. H. Wadsworth. No. 899,577; Sept. 29; Sp. p. 4613; Gaz. vol. 136; p. 833.
 Explosives, Producing plastic. E. Steele. No. 902,619; Nov. 3; Sp. p. 175; Gaz. vol. 137; p. 29.
 Explosives, Shipping and storing. F. L. Chamberlin. No. 896,622; Aug. 18; Sp. p. 3654; Gaz. vol. 135; p. 1542.
 Exposures, Means for preventing double. P. F. Rice. No. 903,405; Nov. 10; Sp. p. 1723; Gaz. vol. 137; p. 315.
 Expression attachment. O. F. Hintz. No. 897,288; Sept. 1; Sp. p. 42; Dr. p. 10; Gaz. vol. 136; p. 10.
 Expression-box. J. Hattener. No. 902,728; Nov. 3; Sp. p. 392; Gaz. vol. 137; p. 67.
 Expression device. F. W. Wood. No. 886,569; May 5; Sp. p. 443; Dr. p. 95; Gaz. vol. 134; p. 81.
 Extensible case. E. G. Schriefer. No. 892,187; June 30; Sp. p. 6088; Dr. p. 1309; Gaz. vol. 134; p. 2158.
 Extensible pan. E. L. Carter. No. 899,292; Sept. 22; Sp. p. 4062; Dr. p. 868; Gaz. vol. 136; p. 754.
 Extensible post or prop. R. H. McCombe. No. 897,843; Sept. 1; Sp. p. 1224; Dr. p. 261; Gaz. vol. 136; p. 194.
 Extension-chair. R. Flemming. No. 875,903; Jan. 7; Sp. p. 429; Dr. p. 95; Gaz. vol. 132; p. 78.
 Extension-screen, Metallic. T. Limoge. No. 882,397; Mar. 17; Sp. p. 3796; Dr. pp. 810-11; Gaz. vol. 133; p. 685.
 Extension-table. F. J. Seng. No. 878,093; Feb. 4; Sp. p. 404; Dr. p. 86; Gaz. vol. 132; p. 914.
 Extension-table. S. A. Nichols. No. 881,610; Mar. 10; Sp. p. 2224; Dr. p. 484; Gaz. vol. 133; p. 403.
 Extension-table. F. L. and L. B. Rivard. No. 882,799; Mar. 24; Sp. p. 4579; Dr. p. 977; Gaz. vol. 133; p. 850.
 Extension-table. P. Francis. No. 882,865; Mar. 24; Sp. p. 4731; Dr. pp. 1005-6; Gaz. vol. 133; p. 872.
 Extension-table. F. J. Seng. No. 885,962; Apr. 28; Sp. p. 4739; Dr. p. 995; Gaz. vol. 133; p. 2029.
 Extension-table. A. P. Tagliaferri. No. 890,540; June 9; Sp. p. 2693; Dr. p. 594; Gaz. vol. 134; p. 1521.
 Extension-table. J. Haut. No. 896,535; Aug. 18; Sp. p. 3503; Dr. p. 752; Gaz. vol. 135; p. 1515.
 Extension-table. C. Wiefelspuetz. No. 897,262; Aug. 25; Sp. p. 5117; Dr. p. 1068; Gaz. vol. 135; p. 1780.

Alphabetical list of inventions—Continued.

- Extension-table. B. C. Vincent. No. 903,638; Nov. 10; Sp. p. 2218; Gaz. vol. 137; p. 392.
 Extension-table. A. H. Stone. No. 903,802; Nov. 10; Sp. p. 2538; Gaz. vol. 137; p. 443.
 Extension-table. C. H. Johnsen. No. 907,503; Dec. 22; Sp. p. 4651; Gaz. vol. 137; p. 1850.
 Extension-table. R. F. Westerfield. No. 907,926; Dec. 29; Sp. p. 5558; Gaz. vol. 137; p. 2017.
 Extension-table. Pedestal. C. W. Prentiss. No. 894,051; July 21; Sp. p. 3506; Dr. p. 718; Gaz. vol. 135; p. 609.
 Extension-table. Round. L. Ponet. No. 894,049; July 21; Sp. p. 3502; Dr. p. 717; Gaz. vol. 135; p. 608.
 Extinguisher, Automatic. T. Falkovsky. No. 891,530; June 23; Sp. p. 4758; Dr. p. 1030; Gaz. vol. 134; p. 1911.
 Extinguishing device. F. Hursthouse. No. 900,282; Oct. 6; Sp. p. 454; Dr. p. 93; Gaz. vol. 136; p. 1143.
 Extract-preparing apparatus. G. Giovanna. No. 881,570; Mar. 10; Sp. p. 2138; Dr. p. 467; Gaz. vol. 133; p. 389.
 Extracts containing tannin, Decolorization of. A. J. Stiegelmann and E. Dehnelt. No. 889,059; May 26; Sp. p. 5499; Gaz. vol. 134; p. 983.
 Extracts, Making vegetable. J. Meikle. No. 877,660; Jan. 28; Sp. p. 4051; Dr. p. 876; Gaz. vol. 132; p. 746.
 Extracting apparatus. J. E. Porter and A. L. Clark. No. 887,268; May 12; Sp. p. 1857; Dr. p. 392; Gaz. vol. 134; p. 332.
 Extraction apparatus. L. F. Jury. No. 898,482; Sept. 15; Sp. p. 2505; Dr. p. 537; Gaz. vol. 136; p. 463.
 Extraction apparatus. C. M. Chamberlain. No. 899,512; Sept. 29; Sp. p. 4472; Dr. p. 960; Gaz. vol. 136; p. 860.
 Extraction, Process of. J. E. Porter and A. L. Clark. No. 880,821; Mar. 3; Sp. p. 671; Dr. p. 142; Gaz. vol. 133; p. 116.
 Extractor: See Bung-extractor; Coke-extractor; Cork-extractor; Dental-extractor; Gape-worm extractor; Metal-extractor; Milk-top extractor; Rivet-extractor; Shell-extractor; Spike-extractor; Spoke-extractor; Stopper-extractor.
 Extrusion-machine. G. H. Benjamin. No. 887,718; May 12; Sp. p. 2791; Dr. p. 590; Gaz. vol. 134; p. 484.
 Extrusion-machine. G. H. Benjamin. No. 888,299; May 19; Sp. p. 3934; Dr. p. 828; Gaz. vol. 134; p. 703.
 Extrusion-machines, Container for. G. H. Benjamin. No. 887,717; May 12; Sp. p. 2790; Dr. p. 589; Gaz. vol. 134; p. 484.
 Eye for shoes, &c. J. P. Brooks. No. 891,811; June 30; Sp. p. 5359; Dr. p. 1160; Gaz. vol. 134; p. 2036.
 Eye-guard. H. M. Tilestone. No. 890,821; June 16; Sp. p. 3317; Dr. p. 726; Gaz. vol. 134; p. 1647.
 Eye-guard. H. S. Cover. (Reissue.) No. 12,816; June 16; Sp. p. 4132; Dr. p. 904; Gaz. vol. 134; p. 1780.
 Eye-guard. H. S. Cover. (Reissue.) No. 12,817; June 16; Sp. p. 4133; Dr. p. 904; Gaz. vol. 134; p. 1780.
 Eye-protector, Pneumatic. A. E. Jacobs. No. 897,290; Sept. 1; Sp. p. 45; Dr. p. 11; Gaz. vol. 136; p. 11.
 Eye-shade. J. W. Alderson. No. 876,676; Jan. 14; Sp. p. 2039; Dr. p. 445; Gaz. vol. 132; p. 362.
 Eye-shade. B. F. Wade and T. F. Montgomery. No. 888,945; May 26; Sp. p. 5303; Dr. p. 1124; Gaz. vol. 134; p. 947.
 Eye-shade. E. B. Thomson. No. 890,820; June 16; Sp. p. 3316; Dr. p. 726; Gaz. vol. 134; p. 1647.
 Eye-shield. G. E. Henry. No. 886,209; Apr. 28; Sp. p. 5207; Dr. p. 1097; Gaz. vol. 133; p. 2107.
 Eye-testing apparatus. R. Dodge. No. 886,772; May 5; Sp. p. 900; Dr. pp. 186-7; Gaz. vol. 134; p. 148.
 Eyeglass-bridge. S. C. Ladin. No. 897,468; Sept. 1; Sp. p. 469; Dr. p. 100; Gaz. vol. 136; p. 74.
 Eyeglass-case. A. L. Mariner. No. 877,441; Jan. 21; Sp. p. 3599; Dr. p. 779; Gaz. vol. 132; p. 654.
 Eyeglass-case. C. E. Lembcke. No. 903,737; Nov. 10; Sp. p. 2396; Gaz. vol. 137; p. 421.
 Eyeglass-case-covering machine. A. Axell. No. 906,672; Dec. 15; Sp. p. 3007; Gaz. vol. 137; p. 1542.
 Eyeglass-cases, Machine for covering. W. P. Devine. No. 889,111; May 26; Sp. p. 5625; Dr. p. 1191; Gaz. vol. 134; p. 999.
 Eyeglass-cases, Machine for covering. F. A. Tibbals. No. 906,579; Dec. 15; Sp. p. 2836; Gaz. vol. 137; p. 1513.
 Eyeglass-frame. W. D. Thomas. No. 875,966; Jan. 7; Sp. p. 544; Dr. p. 116; Gaz. vol. 132; p. 95.
 Eyeglass-guard. W. I. Dengler. No. 885,735; Apr. 28; Sp. p. 4255; Dr. p. 891; Gaz. vol. 133; p. 1952.
 Eyeglass-guard. L. F. Adt. No. 887,905; May 19; Sp. p. 3198; Dr. p. 672; Gaz. vol. 134; p. 576.
 Eyeglass-holder. M. E. Drripps. (Reissue.) No. 12,771; Mar. 31; Sp. p. 6398; Dr. p. 1364; Gaz. vol. 133; p. 1166.
 Eyeglass-hook. S. J. Chulce. No. 895,074; Aug. 4; Sp. p. 595; Dr. p. 123; Gaz. vol. 135; p. 992.
 Eyeglass-hook. G. W. Wells. No. 901,573; Oct. 20; Sp. p. 3161; Dr. p. 644; Gaz. vol. 136; p. 1628.
 Eyeglass lens-mount. L. F. Adt. No. 875,883; Jan. 7; Sp. p. 381; Dr. p. 84; Gaz. vol. 132; p. 70.
 Eyeglass-mount. W. G. Fay. No. 907,764; Dec. 29; Sp. p. 5235; Gaz. vol. 137; p. 1966.
 Eyeglass-mounting. G. Bausch. No. 877,160; Jan. 21; Sp. p. 3044; Dr. p. 659; Gaz. vol. 132; p. 562.
 Eyeglass-mounting. L. T. Loudon. No. 881,476; Mar. 10; Sp. p. 1968; Dr. p. 428; Gaz. vol. 133; p. 357.
 Eyeglass-mounting. J. R. Van Tassel. No. 881,506; Mar. 10; Sp. p. 2022; Dr. p. 441; Gaz. vol. 133; p. 367.
 Eyeglass-mounting. L. F. Adt. No. 887,900; May 19; Sp. p. 3187; Dr. p. 670; Gaz. vol. 134; p. 574.
 Eyeglass-mounting. J. M. Chappel. No. 907,127; Dec. 22; Sp. p. 3391; Gaz. vol. 137; p. 1722.
 Eyeglass mounting, Rimless-. L. M. Hoyt. No. 895,566; Aug. 11; Sp. p. 1586; Dr. p. 335; Gaz. vol. 135; p. 1180.
 Eyeglass nose-guard. C. Billington. No. 875,686; Jan. 7; Sp. p. 19; Dr. p. 4; Gaz. vol. 132; p. 5.
 Eyeglass nose-guard. L. F. Adt. No. 877,625; Jan. 28; Sp. p. 3989; Dr. p. 862; Gaz. vol. 132; p. 735.
 Eyeglass nose-guard. D. F. Green. No. 877,994; Feb. 4; Sp. p. 193; Dr. p. 43; Gaz. vol. 132; p. 881.
 Eyeglass nose-guard. L. F. Adt. No. 887,898; May 19; Sp. p. 3183; Dr. p. 670; Gaz. vol. 134; p. 574.
 Eyeglass nose-guard. L. F. Adt. No. 887,899; May 19; Sp. p. 3185; Dr. p. 670; Gaz. vol. 134; p. 574.
 Eyeglass or spectacle mounting. H. Silbert. No. 882,540; Mar. 17; Sp. p. 4071; Dr. p. 865; Gaz. vol. 133; p. 733.
 Eyeglass-stud. D. D. Updegraff. No. 885,808; Apr. 28; Sp. p. 4411; Dr. p. 924; Gaz. vol. 133; p. 1976.
 Eyeglasses. G. H. Chapel. No. 879,244; Feb. 18; Sp. p. 2768; Dr. p. 580; Gaz. vol. 132; p. 1364.
 Eyeglasses. W. L. Bemis. No. 880,002; Feb. 25; Sp. p. 4367; Dr. p. 915; Gaz. vol. 132; p. 1645.
 Eyeglasses. F. M. Vance. No. 881,833; Mar. 10; Sp. p. 2662; Dr. p. 570; Gaz. vol. 133; p. 473.
 Eyeglasses. H. W. Derrick. No. 884,368; Apr. 14; Sp. p. 1426; Dr. p. 305; Gaz. vol. 133; p. 1449.
 Eyeglasses. F. A. Stevens. No. 885,197; Apr. 21; Sp. p. 3149; Dr. p. 661; Gaz. vol. 133; p. 1750.
 Eyeglasses. F. A. Stevens. No. 885,198; Apr. 21; Sp. p. 3150; Dr. p. 661; Gaz. vol. 133; p. 1750.
 Eyeglasses. F. A. Stevens. No. 885,199; Apr. 21; Sp. p. 3151; Dr. p. 661; Gaz. vol. 133; p. 1751.
 Eyeglasses. L. B. Becker. No. 885,829; Apr. 28; Sp. p. 4452; Dr. p. 935; Gaz. vol. 133; p. 1983.
 Eyeglasses. W. H. Weaser. No. 887,364; May 12; Sp. p. 2077; Dr. p. 440; Gaz. vol. 134; p. 367.
 Eyeglasses. L. F. Adt. No. 887,901; May 19; Sp. p. 3190; Dr. p. 671; Gaz. vol. 134; p. 575.
 Eyeglasses. L. F. Adt. No. 887,902; May 19; Sp. p. 3192; Dr. p. 671; Gaz. vol. 134; p. 575.
 Eyeglasses. L. F. Adt. No. 887,903; May 19; Sp. p. 3195; Dr. pp. 671-2; Gaz. vol. 134; p. 575.
 Eyeglasses. W. H. Weaser. No. 888,281; May 19; Sp. p. 3393; Dr. p. 820; Gaz. vol. 134; p. 697.
 Eyeglasses. G. J. Lowres. No. 890,779; June 16; Sp. p. 3236; Dr. p. 708; Gaz. vol. 134; p. 1633.
 Eyeglasses. P. Moews. No. 893,641; July 21; Sp. p. 2576; Dr. p. 536; Gaz. vol. 135; p. 473.
 Eyeglasses. H. Scudder and R. K. Hohmann. No. 894,071; July 21; Sp. p. 3537; Dr. p. 725; Gaz. vol. 135; p. 616.
 Eyeglasses. L. F. Adt. No. 895,931; Aug. 11; Sp. p. 2301; Dr. p. 490; Gaz. vol. 135; p. 1297.
 Eyeglasses. G. J. Lowres. No. 896,697; Aug. 18; Sp. p. 3806; Dr. p. 823; Gaz. vol. 135; p. 1565.
 Eyeglasses. O. Kampfe. No. 899,409; Sept. 22; Sp. p. 4265; Dr. p. 915; Gaz. vol. 136; p. 791.
 Eyeglasses. G. J. Lowres. No. 904,074; Nov. 17; Sp. p. 3120; Gaz. vol. 137; p. 567.
 Eyeglasses. H. P. Alexander. No. 906,360; Dec. 8; Sp. p. 2438; Gaz. vol. 137; p. 1418.
 Eyeglasses and spectacles, Converting device for. F. K. Stickle. No. 900,444; Oct. 6; Sp. p. 785; Dr. p. 163; Gaz. vol. 136; p. 1196.
 Eyeglasses and spectacles, Nose-piece for. W. A. Coates. No. 890,025; June 9; Sp. p. 1659; Dr. p. 369; Gaz. vol. 134; p. 1353.
 Eyeglasses, Nose guard or clip for. J. H. Ostrander. No. 906,154; Dec. 8; Sp. p. 2045; Gaz. vol. 137; p. 1350.
 Eyeglasses or spectacles. G. Bausch. No. 878,599; Feb. 11; Sp. p. 1526; Dr. p. 311; Gaz. vol. 132; p. 1116.
 Eyelet. P. R. Glass. No. 889,455; June 2; Sp. p. 530; Dr. p. 124; Gaz. vol. 134; p. 1143.
 Eyelet. F. H. Richards. No. 903,778; Nov. 10; Sp. p. 2485; Gaz. vol. 137; p. 435.
 Eyelet and the like setting machine. E. B. Stimpson. No. 907,422; Dec. 22; Sp. p. 4488; Gaz. vol. 137; p. 1822.
 Eyelets, Forming blanks for covering. A. Latham. No. 893,739; July 21; Sp. p. 2846; Dr. p. 585; Gaz. vol. 135; p. 506.
 Eyeletting-machine. S. Field. No. 880,376; Feb. 25; Sp. p. 5112; Dr. pp. 1079-80; Gaz. vol. 132; p. 1767.
 Eyeletting-machine. J. F. Davey. No. 898,729; Sept. 15; Sp. p. 2986; Dr. p. 641; Gaz. vol. 136; p. 543.
 Eyeletting-machine. P. R. Glass and W. Z. Bean. No. 905,124; Nov. 24; Sp. p. 5329; Gaz. vol. 137; p. 949.
 Eyeletting-machine, Hand-operating. J. L. Knight. No. 900,935; Oct. 13; Sp. p. 1846; Dr. p. 370; Gaz. vol. 136; p. 1383.
 Fabric: See Bed-bottom fabric; Haircloth fabric; Knit fabric; Knitted fabric; Metallic fabric; Ornamental fabric; Pile fabric; Pile, plush, or nap fabric; Wire fabric; Wire bed-bottom fabric; Woven fabric.
 Fabric. E. Vermilyea and R. Hammersley. No. 876,750; Jan. 14; Sp. p. 2172; Dr. p. 477; Gaz. vol. 132; p. 385.
 Fabric. R. A. Dunning. No. 873,944; Feb. 11; Sp. p. 2185; Dr. p. 457; Gaz. vol. 132; p. 1227.
 Fabric. E. D. C. Bayne and L. A. Subers. No. 885,219; Apr. 21; Sp. p. 3207; Dr. p. 670; Gaz. vol. 133; p. 1757.
 Fabric. E. J. Vogel. No. 898,941; Sept. 15; Sp. p. 3367; Dr. p. 723; Gaz. vol. 136; p. 613.
 Fabric-cleaning apparatus. H. Maine. No. 890,568; June 9; Sp. p. 2749; Dr. p. 608; Gaz. vol. 134; p. 1530.
 Fabric cover, Textile-. F. B. Burns. No. 897,583; Sept. 1; Sp. p. 701; Dr. pp. 147-8; Gaz. vol. 136; p. 111.
 Fabric-cutting machine. A. Heil. No. 878,527; Feb. 11; Sp. p. 1330; Dr. p. 275; Gaz. vol. 132; p. 1091.
 Fabric-cutting machine. A. Roos. No. 879,675; Feb. 13; Sp. p. 3679; Dr. pp. 769-70; Gaz. vol. 132; p. 1504.
 Fabric drying and finishing machine, Textile-. G. S. Cox. No. 891,914; June 30; Sp. p. 5560; Dr. p. 1198; Gaz. vol. 134; p. 2071.
 Fabric-finishing apparatus, Sized-. M. Ratignier and II. Pervilach. No. 908,035; Dec. 29; Sp. p. 5795; Gaz. vol. 137; p. 2054.
 Fabric-holder. A. Galloway and E. B. Sweet. No. 837,386; May 12; Sp. p. 2164; Dr. p. 453; Gaz. vol. 134; p. 374.

Alphabetical list of inventions—Continued.

- Fabric, Machine for applying strips of tape to. R. E. Dodge. No. 882,779; Mar. 24; Sp. p. 4538; Dr. pp. 968-9; Gaz. vol. 133; p. 842.
- Fabric, Machine for braiding tubular. L. A. Jones. No. 889,311; June 2; Sp. p. 233; Dr. pp. 57-8; Gaz. vol. 134; p. 1096.
- Fabric-pasting machine. W. J. O'Donnell. No. 894,976; Aug. 4; Sp. p. 405; Dr. pp. 81-2; Gaz. vol. 135; p. 959.
- Fabric-pressing device. E. J. Davis. No. 893,457; July 14; Sp. p. 2169; Dr. p. 456; Gaz. vol. 135; p. 383.
- Fabric-slitting machine. J. A. Cameron. No. 904,247; Nov. 17; Sp. p. 3511; Gaz. vol. 137; p. 628.
- Fabric-stretcher. E. Krahnstöver. No. 890,240; June 9; Sp. p. 2104; Dr. p. 461; Gaz. vol. 134; p. 1425.
- Fabric-stripping apparatus. W. H. Adams. No. 896,504; Aug. 18; Sp. p. 3444; Dr. pp. 740-1; Gaz. vol. 135; p. 1506.
- Fabric, Textile. G. P. Schlemmer. No. 905,106; Nov. 24; Sp. p. 5290; Gaz. vol. 137; p. 942.
- Fabric, Woven. W. M. Stevenson. No. 905,946; Dec. 8; Sp. p. 1642; Gaz. vol. 137; p. 1283.
- Fabric, Woven. H. Sarafian. No. 906,463; Dec. 8; Sp. p. 2613; Gaz. vol. 137; p. 1450.
- Fabric, Woven pile. G. Zimmermann. No. 908,371; Dec. 29; Sp. p. 6496; Gaz. vol. 137; p. 2168.
- Fabrics, Aging and steaming chamber for. J. E. Gray. No. 879,867; Feb. 25; Sp. p. 4087; Dr. p. 857; Gaz. vol. 132; p. 1600.
- Fabrics and other material, Producing glossy or silky effects on. L. Lilienfeld. No. 904,269; Nov. 17; Sp. p. 3548; Gaz. vol. 137; p. 635.
- Fabrics, Apparatus for crimping and gathering the ends of tubular. S. Cohn. No. 887,999; May 19; Sp. p. 3377; Dr. p. 709; Gaz. vol. 134; p. 607.
- Fabrics, Apparatus for inverting tubular. W. B. Palmer. No. 878,995; Feb. 11; Sp. p. 2277; Dr. pp. 475-6; Gaz. vol. 132; p. 1242.
- Fabrics, Apparatus for stretching portions of. W. H. and C. H. Mitchell. No. 907,081; Dec. 15; Sp. p. 3769; Gaz. vol. 137; p. 1671.
- Fabrics, Forming woven pile. J. K. Dalkranian. No. 882,454; Mar. 17; Sp. p. 3892; Dr. p. 832; Gaz. vol. 133; p. 704.
- Fabrics, Fringed edging for. M. O. Rehfuess. No. 892,889; July 7; Sp. p. 1002; Dr. p. 210; Gaz. vol. 135; p. 167.
- Fabrics, Machine for cutting float-threads on fancy spot. C. W. Fulton. No. 893,474; July 14; Sp. p. 2200; Dr. pp. 462-3; Gaz. vol. 135; p. 388.
- Fabrics, Machine for cutting pile designs on. G. D. von Hofe. No. 882,313; Mar. 17; Sp. p. 3654; Dr. p. 775; Gaz. vol. 133; p. 658.
- Fabrics, Machine for hemming sacking and other. W. R. Barcklow. No. 894,718; July 28; Sp. p. 4856; Dr. pp. 1009-10; Gaz. vol. 135; p. 847.
- Fabrics, Machine for unraveling textile. P. F. Vogel. No. 900,451; Oct. 6; Sp. p. 817; Dr. p. 168; Gaz. vol. 136; p. 1198.
- Fabrics, Manufacture of multicolored. M. Böhrer. No. 904,752; Nov. 24; Sp. p. 4561; Gaz. vol. 137; p. 823.
- Fabrics, Means for producing selvage in loom-woven. L. E. Salisbury. No. 876,494; Jan. 14; Sp. p. 1634; Dr. p. 354; Gaz. vol. 132; p. 298.
- Fabrics, Producing impressions fast to water on textile. L. Lilienfeld. No. 888,516; May 26; Sp. p. 4378; Gaz. vol. 134; p. 803.
- Fabrics, Production of patterns, designs, or other similar markings in. C. W. Fulton. No. 880,983; Mar. 3; Sp. p. 996; Dr. p. 213; Gaz. vol. 133; p. 169.
- Fabrics, Shrinkage and finishing woolen and other. F. I. Burgher. No. 885,664; Apr. 21; Sp. p. 4093; Dr. p. 856; Gaz. vol. 133; p. 1898.
- Fabrics, Smoothing-edge for. J. G. Dorward. No. 879,528; Feb. 18; Sp. p. 3352; Dr. p. 700; Gaz. vol. 132; p. 1456.
- Face-cooler. C. W. Pearsall. No. 879,580; Feb. 18; Sp. p. 3478; Dr. p. 729; Gaz. vol. 132; p. 1474.
- Face-protector. F. K. Wilcox. No. 891,122; June 16; Sp. p. 3896; Dr. p. 853; Gaz. vol. 134; p. 1743.
- Face-steamers, Electrical. H. D. Wood, Jr. No. 877,155; Jan. 21; Sp. p. 3031; Dr. p. 656; Gaz. vol. 132; p. 560.
- Facial defects, Appliance for removing. M. B. Smith. No. 892,560; July 7; Sp. p. 318; Dr. p. 70; Gaz. vol. 135; p. 60.
- Facial expressions, Device for making. F. Ruple. No. 902,113; Oct. 27; Sp. p. 4275; Dr. p. 867; Gaz. vol. 136; p. 1832.
- Facing-block. J. H. Pearson. No. 880,092; Feb. 25; Sp. p. 4548; Dr. p. 958; Gaz. vol. 132; p. 1673.
- Facing-tool. G. T. Reiss. No. 876,999; Jan. 21; Sp. p. 2703; Dr. p. 586; Gaz. vol. 132; p. 508.
- Facing-tool and counterbore, Combined. B. M. Weller. No. 897,041; Apr. 25; Sp. p. 4582; Dr. p. 977; Gaz. vol. 135; p. 1705.
- Fair-lead. E. L. Horton. No. 906,802; Dec. 15; Sp. p. 3257; Gaz. vol. 137; p. 1584.
- Faller-bar. A. A. Young. No. 899,280; Sept. 22; Sp. p. 4045; Dr. p. 864; Gaz. vol. 136; p. 751.
- False bottom. J. Kline. No. 893,805; July 21; Sp. p. 2979; Dr. p. 610; Gaz. vol. 135; p. 527.
- Fan. O. Selg. No. 886,419; May 5; Sp. p. 163; Dr. p. 34; Gaz. vol. 134; p. 31.
- Fan. I. A. Youngberg. No. 888,292; May 19; Sp. p. 3926; Dr. p. 826; Gaz. vol. 134; p. 701.
- Fan. J. C. Morgan. No. 892,867; July 7; Sp. p. 949; Dr. p. 200; Gaz. vol. 135; p. 159.
- Fan. O. Selg. No. 896,165; Aug. 18; Sp. p. 2745; Dr. p. 591; Gaz. vol. 135; p. 1393.
- Fan. H. E. Walker. No. 896,492; Aug. 18; Sp. p. 3416; Dr. p. 735; Gaz. vol. 135; p. 1501.
- Fan. L. Owen. No. 899,555; Sept. 29; Sp. p. 4570; Dr. p. 982; Gaz. vol. 136; p. 875.
- Fan. O. Selg. No. 899,684; Sept. 29; Sp. p. 4832; Dr. p. 1034; Gaz. vol. 136; p. 916.
- Fan. E. Gotsch. No. 900,520; Oct. 6; Sp. p. 968; Dr. p. 196; Gaz. vol. 136; p. 1220.
- Fan. G. Wigand and F. J. Schroeder. No. 902,633; Nov. 3; Sp. p. 202; Gaz. vol. 137; p. 34.
- Fan and fly-catcher, Combined. F. M. Schmidt. No. 884,213; Apr. 7; Sp. p. 1130; Dr. p. 237; Gaz. vol. 133; p. 1369.
- Fan and pump, Centrifugal. J. W. A. Elling. No. 908,227; Dec. 29; Sp. p. 6220; Gaz. vol. 137; p. 2119.
- Fan attachment for machinery, Clamp-. J. W. Migrath. No. 898,492; Sept. 15; Sp. p. 2525; Dr. p. 540; Gaz. vol. 136; p. 467.
- Fan, Automatic. J. Mason. No. 878,736; Feb. 11; Sp. p. 1786; Dr. pp. 369-70; Gaz. vol. 132; p. 1160.
- Fan, Blast-. F. P. Lepley. No. 905,195; Dec. 1; Sp. p. 148; Gaz. vol. 137; p. 1007.
- Fan, Ceiling-. F. P. McBertry. No. 905,089; Nov. 24; Sp. p. 5255; Gaz. vol. 137; p. 936.
- Fan, Centrifugal. J. Keith. No. 877,648; Jan. 28; Sp. p. 4026; Dr. p. 869; Gaz. vol. 132; p. 742.
- Fan, Centrifugal. W. J. Baldwin. No. 898,624; Sept. 15; Sp. p. 2788; Dr. p. 596; Gaz. vol. 136; p. 510.
- Fan-deflector. H. M. Carroll. No. 884,894; Apr. 14; Sp. p. 2500; Dr. p. 528; Gaz. vol. 133; p. 1620.
- Fan, Disk ventilating-. D. P. Gosline. No. 901,337; Oct. 20; Sp. p. 2621; Dr. pp. 538-9; Gaz. vol. 136; p. 1547.
- Fan, Distributing-. L. E. Roby and C. A. Pattison. No. 892,553; July 7; Sp. p. 307; Dr. p. 67; Gaz. vol. 135; p. 58.
- Fan for cradles. N. Gordon. No. 902,071; Oct. 27; Sp. p. 4190; Dr. p. 849; Gaz. vol. 136; p. 1819.
- Fan-motor, Oscillating. H. R. Wellman. No. 888,435; May 19; Sp. p. 4220; Dr. p. 894; Gaz. vol. 134; p. 748.
- Fan or pump, Centrifugal. S. C. Davidson. (Reissue). No. 12,796; May 26; Sp. p. 5786; Dr. pp. 1226-7; Gaz. vol. 134; p. 1024.
- Fan or pump, Centrifugal. S. C. Davidson. (Reissue). No. 12,797; May 26; Sp. p. 5791; Dr. pp. 1227-9; Gaz. vol. 134; p. 1025.
- Fan or pump, Centrifugal. S. C. Davidson. (Reissue). No. 12,798; May 26; Sp. p. 5797; Dr. pp. 1229-31; Gaz. vol. 134; p. 1026.
- Fan or pump, Centrifugal. M. G. Hubbard. No. 902,533; Oct. 27; Sp. p. 5193; Dr. pp. 1049-50; Gaz. vol. 136; p. 1972.
- Fan or ventilator. S. Timokhovitch. No. 884,876; Apr. 14; Sp. p. 2479; Dr. p. 522; Gaz. vol. 133; p. 1615.
- Fan, Oscillating. R. P. Thompson. No. 893,034; July 14; Sp. p. 1321; Dr. pp. 277-8; Gaz. vol. 135; p. 245.
- Fan, Oscillating desk-. E. C. Lipps. No. 897,752; Sept. 1; Sp. p. 1029; Dr. p. 219; Gaz. vol. 136; p. 167.
- Fan, Power-. G. W. Weiss. No. 889,649; June 2; Sp. p. 892; Dr. p. 205; Gaz. vol. 134; p. 1204.
- Fare-register. J. F. Ohmer and E. Seebers. No. 890,171; June 9; Sp. p. 1960; Dr. pp. 432-3; Gaz. vol. 134; p. 1402.
- Fare-register. J. F. Ohmer. No. 892,877; July 7; Sp. p. 973; Dr. pp. 204-5; Gaz. vol. 135; p. 163.
- Fare-register. C. E. Gierding. No. 892,986; July 14; Sp. p. 1207; Dr. pp. 256-7; Gaz. vol. 135; p. 229.
- Fan, Rotary. A. Barth and J. L. Sauter. No. 894,780; July 28; Sp. p. 4900; Dr. pp. 1034-7; Gaz. vol. 135; p. 866.
- Fan, Steam-. R. L. Darter. No. 894,941; Aug. 4; Sp. p. 333; Dr. p. 67; Gaz. vol. 135; p. 948.
- Fan system, Train. J. L. Creveling. No. 905,292; Dec. 1; Sp. p. 320; Gaz. vol. 137; p. 1039.
- Fan-wheel and casing. W. W. Green. No. 889,001; May 26; Sp. p. 5402; Dr. pp. 1147-8; Gaz. vol. 134; p. 964.
- Fans, Operating pneumatically-driven. J. L. Creveling. No. 905,291; Dec. 1; Sp. p. 319; Gaz. vol. 137; p. 1039.
- Fanning-mill. P. Poyneer. No. 876,012; Jan. 7; Sp. p. 634; Dr. pp. 135-6; Gaz. vol. 132; p. 110.
- Fanning-mill. T. O. Helgeson. No. 877,336; Jan. 24; Sp. p. 3394; Dr. pp. 735-6; Gaz. vol. 132; p. 619.
- Fanning-mill. W. Milbrath. No. 904,885; Nov. 24; Sp. p. 4860; Gaz. vol. 137; p. 868.
- Fare and ticket receptacle, Portable. E. J. Vargyas. No. 906,835; Dec. 15; Sp. p. 3318; Gaz. vol. 137; p. 1594.
- Fare-box. E. S. Bucknam. No. 901,778; Oct. 20; Sp. p. 3606; Dr. pp. 730-1; Gaz. vol. 136; p. 1695.
- Fare-collector, Automatic. J. H. Coleman. No. 875,751; Jan. 7; Sp. p. 203; Dr. p. 44; Gaz. vol. 132; p. 37.
- Fare-indicator. B. Schneider. No. 901,263; Oct. 13; Sp. p. 2454; Dr. pp. 503-4; Gaz. vol. 136; p. 1487.
- Fare-indicator. P. Richert. No. 901,558; Oct. 20; Sp. p. 3130; Dr. p. 640; Gaz. vol. 136; p. 1623.
- Fare indicator and register for vehicles. B. Schneider. No. 902,332; Oct. 27; Sp. p. 4751; Dr. pp. 958-9; Gaz. vol. 136; p. 1904.
- Fare-indicator for carriages. R. Picard. No. 886,244; Apr. 28; Sp. p. 5267; Dr. pp. 1109-10; Gaz. vol. 133; p. 2119.
- Fare-indicators, Odometer for use in connection with. B. Schneider. No. 876,103; Jan. 7; Sp. p. 807; Dr. pp. 173-4; Gaz. vol. 132; p. 137.
- Fare-recorder. J. J. Joines. No. 896,550; Aug. 18; Sp. p. 3535; Dr. p. 759; Gaz. vol. 135; p. 1520.
- Fare-register. J. O. Morris. No. 895,880; Aug. 11; Sp. p. 2212; Dr. p. 42; Gaz. vol. 135; p. 1281.
- Fare-register. J. F. Ohmer and C. W. Ketteman. No. 905,218; Dec. 1; Sp. p. 192; Gaz. vol. 137; p. 1015.
- Fare-register-actuating mechanism. J. F. Ohmer. No. 885,280; Apr. 21; Sp. p. 3321; Dr. pp. 693-4; Gaz. vol. 133; p. 1778.
- Fare register and recorder. J. F. Ohmer, E. H. Bridenbaugh, and H. Nelson. No. 908,028; Dec. 29; Sp. p. 5777; Gaz. vol. 137; p. 2051.
- Fare register and recorder. J. F. Ohmer and H. Nelson. No. 908,029; Dec. 29; Sp. p. 5781; Gaz. vol. 137; p. 2051.
- Fare-register-operating mechanism. W. H. Honiss. No. 882,063; Mar. 17; Sp. p. 3175; Dr. p. 675; Gaz. vol. 133; p. 578.
- Fare-register-operating mechanism. J. F. Ohmer and F. G. Colby. No. 897,391; Sept. 1; Sp. p. 306; Dr. p. 63; Gaz. vol. 136; p. 47.
- Fare-register-operating mechanism. J. H. Shockley. No. 902,768; Nov. 3; Sp. p. 460; Gaz. vol. 137; p. 80.

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- Fare-register setting and operating device. J. F. Ohmer. No. 896,315; Aug. 18; Sp. p. 3052; Dr. pp. 657-8; Gaz. vol. 135; p. 1443.
- Fare-register setting and operating mechanism. J. F. Ohmer and W. S. Heaton. No. 908,030; Dec. 19; Sp. p. 5782; Gaz. vol. 137; p. 2052.
- Farm-gate. E. W. Harden. No. 876,177; Jan. 7; Sp. p. 955; Dr. p. 206; Gaz. vol. 132; p. 162.
- Farm-gate. J. E. Manford. No. 876,206; Jan. 7; Sp. p. 1006; Dr. p. 218; Gaz. vol. 132; p. 171.
- Farm-gate. O. M. Hurst. No. 879,266; Feb. 18; Sp. p. 2811; Dr. p. 589; Gaz. vol. 132; p. 1371.
- Farm-gate. J. R. Goode. No. 879,460; Feb. 18; Sp. p. 3227; Dr. p. 672; Gaz. vol. 132; p. 1454.
- Farm-gate. J. J. Thompson. No. 883,762; Apr. 7; Sp. p. 166; Dr. p. 29; Gaz. vol. 133; p. 1220.
- Farm-gate. W. N. Mark. No. 886,383; May 5; Sp. p. 83; Dr. p. 17; Gaz. vol. 134; p. 18.
- Farm-gate. W. A. Aste. No. 887,177; May 12; Sp. p. 1650; Dr. p. 350; Gaz. vol. 134; p. 303.
- Farm-gate. M. M. Lamb. No. 891,348; June 23; Sp. p. 4389; Dr. p. 955; Gaz. vol. 134; p. 1851.
- Farm-gate. L. Liesmann. No. 899,747; Sept. 29; Sp. p. 4967; Dr. p. 1065; Gaz. vol. 136; p. 937.
- Farm-gate. A. G. Eddy and G. J. Hobson. No. 901,161; Oct. 13; Sp. p. 2266; Dr. pp. 461-2; Gaz. vol. 136; p. 1455.
- Farm-gate. J. D. Rodgers. No. 901,648; Oct. 20; Sp. p. 3303; Dr. p. 677; Gaz. vol. 136; p. 1651.
- Farm-gate. G. W. Gwyn, H. L. Ross, and H. R. Robbins. No. 902,874; Nov. 3; Sp. p. 699; Gaz. vol. 137; p. 116.
- Farm-gate. F. Eggers. No. 905,413; Dec. 1; Sp. p. 567; Gaz. vol. 137; p. 1080.
- Farm-gate. S. G. Hudson. No. 905,430; Dec. 1; Sp. p. 645; Gaz. vol. 137; p. 1087.
- Farm-gate. G. W. Ripley. No. 907,287; Dec. 22; Sp. p. 4230; Gaz. vol. 137; p. 1778.
- Farm-gate. W. P. Watson. No. 907,924; Dec. 29; Sp. p. 5553; Gaz. vol. 137; p. 2017.
- Farm-gate. G. R. Rogers. No. 908,331; Dec. 29; Sp. p. 6419; Gaz. vol. 137; p. 2155.
- Farming implement. M. Abbott. No. 883,072; Mar. 24; Sp. p. 5119; Dr. p. 1092; Gaz. vol. 133; p. 939.
- Fashion-plate frame and display-stand for merchandise, Combination. A. K. Brauer. No. 892,575; July 7; Sp. p. 348; Dr. p. 76; Gaz. vol. 135; p. 65.
- Fastener. N. Crane. No. 877,174; Jan. 21; Sp. p. 3082; Dr. p. 667; Gaz. vol. 132; p. 567.
- Fastener. M. A. Hirsch. No. 877,772; Jan. 28; Sp. p. 4251; Dr. p. 923; Gaz. vol. 132; p. 781.
- Fastener. W. B. H. Dowse. No. 878,511; Feb. 11; Sp. p. 1320; Dr. p. 267; Gaz. vol. 132; p. 1086.
- Fastener. A. G. Mead. No. 878,550; Feb. 11; Sp. p. 1396; Dr. p. 287; Gaz. vol. 132; p. 1099.
- Fastener. W. Gordon. No. 880,296; Feb. 25; Sp. p. 4969; Dr. p. 1049; Gaz. vol. 132; p. 1742.
- Fastener. P. Sciotte. No. 882,430; Mar. 17; Sp. p. 3849; Dr. p. 822; Gaz. vol. 133; p. 696.
- Fastener. A. M. Clark. No. 882,996; Mar. 24; Sp. p. 4985; Dr. p. 1060; Gaz. vol. 133; p. 915.
- Fastener. C. A. Conrad. No. 884,316; Apr. 7; Sp. p. 1300; Dr. p. 275; Gaz. vol. 133; p. 1400.
- Fastener. G. J. Poehlein. No. 885,645; Apr. 21; Sp. p. 4061; Dr. p. 849; Gaz. vol. 133; p. 1842.
- Fastener. A. M. Mattson. No. 887,209; May 12; Sp. p. 1710; Dr. p. 363; Gaz. vol. 134; p. 313.
- Fastener. J. Bustanoby. No. 889,436; June 2; Sp. p. 490; Dr. p. 116; Gaz. vol. 134; p. 1137.
- Fastener. M. D. Willard. No. 891,024; June 16; Sp. p. 3737; Dr. p. 815; Gaz. vol. 134; p. 1714.
- Fastener. A. G. Hoegren. No. 891,067; June 16; Sp. p. 3816; Dr. p. 833; Gaz. vol. 134; p. 1727.
- Fastener. C. T. Turner. No. 894,352; July 28; Sp. p. 4138; Dr. p. 854; Gaz. vol. 135; p. 729.
- Fastener. L. F. Hammer. No. 899,972; Sept. 29; Sp. p. 5445; Dr. p. 1161; Gaz. vol. 136; p. 1010.
- Fastener. W. E. Smith. No. 900,963; Oct. 13; Sp. p. 1905; Dr. p. 387; Gaz. vol. 136; p. 1392.
- Fastener. J. E. Wallis. No. 904,384; Nov. 17; Sp. p. 3782; Gaz. vol. 137; p. 674.
- Fastener. J. W. Place. No. 905,454; Dec. 1; Sp. p. 688; Gaz. vol. 137; p. 1095.
- Fastener. A. F. Raymond. No. 905,456; Dec. 1; Sp. p. 692; Gaz. vol. 137; p. 1095.
- Fastener, Metallic. G. W. McGill. No. 893,352; July 14; Sp. p. 1938; Dr. p. 407; Gaz. vol. 135; p. 348.
- Fastener, Metallic. G. W. McGill. No. 900,299; Oct. 6; Sp. p. 483; Dr. p. 101; Gaz. vol. 136; p. 1149.
- Fastener or clasp, Separable. L. D. Lovekin. No. 908,288; Dec. 29; Sp. p. 6315; Gaz. vol. 137; p. 2139.
- Fastener or stay. W. R. Stokely. No. 898,800; Sept. 15; Sp. p. 3115; Dr. p. 667; Gaz. vol. 136; p. 566.
- Fastener, Separable. A. A. Abbot. No. 895,608; Aug. 11; Sp. p. 1663; Dr. p. 351; Gaz. vol. 135; p. 1193.
- Fastener, Separable. A. M. Ziegler. No. 898,815; Sept. 15; Sp. p. 3145; Dr. p. 673; Gaz. vol. 136; p. 571.
- Fastener, Snap-. A. F. Raymond. No. 905,457; Dec. 1; Sp. p. 693; Gaz. vol. 137; p. 1095.
- Fasteners, Machine for driving. A. E. Preston. (Reissue.) No. 12,820; June 23; Sp. p. 5344; Dr. pp. 1157-8; Gaz. vol. 134; p. 2005.
- Fastening. F. H. Perry. No. 890,447; June 9; Sp. p. 2516; Dr. p. 556; Gaz. vol. 134; p. 1491.
- Fastening clip, Collar-. W. T. Gordon. No. 905,418; Dec. 1; Sp. p. 575; Gaz. vol. 137; p. 1082.
- Fastening device. C. G. Megrue. No. 880,319; Feb. 25; Sp. p. 5006; Dr. p. 1056; Gaz. vol. 132; p. 1749.
- Fastening device. H. C. Gros. No. 881,679; Mar. 10; Sp. p. 2358; Dr. p. 510; Gaz. vol. 134; p. 133.
- Fastening device. J. J. O'Connell. No. 885,171; Apr. 21; Sp. p. 3101; Dr. p. 652; Gaz. vol. 133; p. 1741.
- Fastening device. W. S. Vollmer. No. 886,902; May 5; Sp. p. 1137; Dr. p. 239; Gaz. vol. 134; p. 186.
- Fastening device. A. V. Bryce. No. 892,972; July 7; Sp. p. 1164; Dr. p. 245; Gaz. vol. 135; p. 196.
- Fastening device. A. C. Goddard. No. 903,079; Nov. 3; Sp. p. 1101; Gaz. vol. 137; p. 179.
- Fastening device, Detachable. L. Rossi. No. 883,833; Apr. 7; Sp. p. 327; Dr. p. 61; Gaz. vol. 133; p. 1244.
- Fastening device, Metal. S. E. Ward. No. 883,766; Apr. 7; Sp. p. 172; Dr. p. 31; Gaz. vol. 133; p. 1221.
- Fastening members, Attaching means for. F. S. Carr. No. 885,434; Apr. 21; Sp. p. 3629; Dr. p. 761; Gaz. vol. 133; p. 1827.
- Fastening-pin. M. S. Karr. No. 893,171; July 14; Sp. p. 1591; Dr. p. 337; Gaz. vol. 135; p. 289.
- Fastening, Separable. C. C. Mund. No. 882,708; Mar. 24; Sp. p. 4403; Dr. p. 936; Gaz. vol. 133; p. 821.
- Fastenings, Machine for inserting. T. Briggs. No. 889,752; June 2; Sp. p. 1099; Dr. pp. 254-5; Gaz. vol. 134; p. 1236.
- Fastenings, Machine for inserting metallic. L. A. Casgrain. No. 898,435; Sept. 15; Sp. p. 2416; Dr. pp. 517-18; Gaz. vol. 134; p. 450.
- Fat and oil preparations, Producing. K. Mann. No. 880,316; Feb. 25; Sp. p. 5002; Gaz. vol. 132; p. 1748.
- Fat-cutting machine. C. A. Krabill. No. 901,624; Oct. 20; Sp. p. 3256; Dr. pp. 667-8; Gaz. vol. 136; p. 1643.
- Fat from water, Apparatus for separating. M. Loeb. No. 885,353; Apr. 21; Sp. p. 3482; Dr. p. 726; Gaz. vol. 133; p. 1803.
- Fats, oils, and the like, Extracting. E. Berliner. No. 878,930; Feb. 11; Sp. p. 2158; Dr. p. 450; Gaz. vol. 132; p. 1222.
- Fats, oils, tar, resin, &c., Solidifying. G. Blass. No. 877,289; Jan. 21; Sp. p. 3302; Gaz. vol. 132; p. 605.
- Faucet. E. L. Wood. No. 877,540; Jan. 28; Sp. p. 3813; Dr. p. 824; Gaz. vol. 132; p. 708.
- Faucet. J. M. Knight. No. 877,650; Jan. 28; Sp. p. 4028; Dr. p. 870; Gaz. vol. 132; p. 743.
- Faucet. M. P. Elgen. No. 884,648; Apr. 14; Sp. p. 2021; Dr. p. 432; Gaz. vol. 133; p. 1539.
- Faucet. G. T. Kenly. No. 885,347; Apr. 21; Sp. p. 3472; Dr. p. 723; Gaz. vol. 133; p. 1800.
- Faucet. A. N. Rose. No. 890,712; June 16; Sp. p. 3086; Dr. p. 678; Gaz. vol. 134; p. 1610.
- Faucet. J. W. Nethery. No. 891,284; June 23; Sp. p. 4247; Dr. p. 930; Gaz. vol. 134; p. 1830.
- Faucet. J. W. Nethery. No. 891,285; June 23; Sp. p. 4249; Dr. p. 930; Gaz. vol. 134; p. 1830.
- Faucet. G. F. Barron. No. 892,641; July 7; Sp. p. 484; Dr. p. 103; Gaz. vol. 135; p. 86.
- Faucet. A. W. Wheaton. No. 894,558; July 28; Sp. p. 4558; Dr. p. 944; Gaz. vol. 135; p. 796.
- Faucet. L. S. De Forest. No. 900,152; Oct. 6; Sp. p. 170; Dr. p. 35; Gaz. vol. 136; p. 1170.
- Faucet. J. G. Kasjens. No. 900,385; Oct. 6; Sp. p. 660; Dr. p. 136; Gaz. vol. 136; p. 1106.
- Faucet. C. E. Coe. No. 900,984; Oct. 13; Sp. p. 1943; Dr. p. 396; Gaz. vol. 136; p. 1399.
- Faucet. C. B. Whitney. No. 902,786; Nov. 3; Sp. p. 485; Gaz. vol. 137; p. 85.
- Faucet. C. Clark. No. 903,451; Nov. 10; Sp. p. 1823; Gaz. vol. 137; p. 331.
- Faucet. W. H. Kilbourn. No. 904,134; Nov. 17; Sp. p. 3247; Gaz. vol. 137; p. 589.
- Faucet. G. R. Hohman. No. 904,329; Nov. 17; Sp. p. 3694; Gaz. vol. 137; p. 656.
- Faucet. C. J. Paulson. No. 904,559; Nov. 24; Sp. p. 4165; Gaz. vol. 137; p. 759.
- Faucet. F. F. Cavanaugh. No. 907,458; Dec. 22; Sp. p. 4567; Gaz. vol. 137; p. 1836.
- Faucet and overflow, Combined. T. J. Dyer. No. 890,623; June 16; Sp. p. 2896; Dr. p. 636; Gaz. vol. 134; p. 1582.
- Faucet attachment. F. S. Davis. No. 883,176; Mar. 31; Sp. p. 5346; Dr. p. 1138; Gaz. vol. 133; p. 1003.
- Faucet, Basin-. A. Pickles. No. 893,365; July 14; Sp. p. 1960; Dr. p. 411; Gaz. vol. 135; p. 353.
- Faucet, Beer-. G. Braybrook. No. 899,201; Sept. 22; Sp. p. 3871; Dr. p. 827; Gaz. vol. 136; p. 725.
- Faucet, Filtering-. J. Koehler. No. 886,819; May 5; Sp. p. 989; Dr. p. 207; Gaz. vol. 134; p. 161.
- Faucet or valve for lavatories or other fixtures, Self-closing. C. Barr. No. 907,951; Dec. 29; Sp. p. 5617; Gaz. vol. 137; p. 2025.
- Faucet, Self-closing. F. M. Stevens and H. G. Cordley. No. 906,665; Dec. 15; Sp. p. 2988; Gaz. vol. 137; p. 1539.
- Faucet, Weighing-. C. Lewin. No. 880,893; Mar. 3; Sp. p. 837; Dr. p. 178; Gaz. vol. 133; p. 141.
- Faults, stop-cocks, &c., Safety device for. C. A. Manier. No. 887,820; May 19; Sp. p. 3037; Dr. p. 638; Gaz. vol. 134; p. 549.
- Fault-finding apparatus. L. C. Nicholson. No. 880,565; Mar. 3; Sp. p. 141; Dr. p. 32; Gaz. vol. 133; p. 28.
- Feed and litter carrier. H. L. Ferris. No. 884,649; Apr. 14; Sp. p. 2022; Dr. p. 432; Gaz. vol. 133; p. 1539.
- Feed and litter carrier. H. L. Ferris. No. 888,878; May 26; Sp. p. 5169; Dr. pp. 1096-7; Gaz. vol. 134; p. 925.
- Feed, Automatic boiler-. H. D. Twombly. No. 895,817; Aug. 11; Sp. p. 2092; Dr. p. 444; Gaz. vol. 135; p. 1261.
- Feed-bag. G. W. Lester. No. 880,226; Feb. 25; Sp. p. 4833; Dr. p. 1022; Gaz. vol. 132; p. 1719.
- Feed-bag. R. J. Brooks. No. 880,438; Feb. 25; Sp. p. 5255; Dr. p. 1105; Gaz. vol. 132; p. 1789.
- Feed-bag. H. W. Morris. No. 880,459; Feb. 25; Sp. p. 5306; Dr. p. 1116; Gaz. vol. 132; p. 1797.

Alphabetical list of inventions—Continued.

- Feed-bag. A. Gaul, Jr. No. 880,651; Mar. 3; Sp. p. 331; Dr. p. 72; Gaz. vol. 133; p. 58.
 Feed-bag. F. A. Donnelly and J. E. Blanthorn. No. 885,454; Apr. 21; Sp. p. 3666; Dr. p. 768; Gaz. vol. 133; p. 1834.
 Feed-bag. G. Rodriguez. No. 886,252; Apr. 28; Sp. p. 5284; Dr. p. 1113; Gaz. vol. 133; p. 2122.
 Feed-bag. L. M. Burke. No. 896,619; Aug. 18; Sp. p. 3650; Dr. p. 784; Gaz. vol. 135; p. 1542.
 Feed-bag. D. C. Martin. No. 905,549; Dec. 1; Sp. p. 889; Gaz. vol. 137; p. 1125.
 Feed-bag. A. Gaul, Jr. No. 906,702; Dec. 15; Sp. p. 3061; Gaz. vol. 137; p. 1551.
 Feed-bag. A. H. Shoemaker. No. 906,831; Dec. 15; Sp. p. 3311; Gaz. vol. 137; p. 1593.
 Feed-bag, Animal. M. E. Keller. No. 888,442; May 19; Sp. p. 4233; Dr. p. 897; Gaz. vol. 134; p. 750.
 Feed-bag attachment. T. Brennan. No. 903,169; Nov. 10; Sp. p. 1257; Gaz. vol. 137; p. 238.
 Feed-bag, Foldable. T. Clish. No. 873,120; Feb. 4; Sp. p. 456; Dr. p. 97; Gaz. vol. 132; p. 922.
 Feed-bag holder. E. H. Marshall. No. 881,813; Mar. 10; Sp. p. 2618; Dr. p. 562; Gaz. vol. 133; p. 467.
 Feed-bag support. J. H. Byron. No. 894,721; July 28; Sp. p. 4862; Dr. p. 1011; Gaz. vol. 135; p. 848.
 Feed-bag-supporting attachment. E. S. Frey and D. J. McLaughlin. No. 893,235; July 14; Sp. p. 1713; Dr. p. 361; Gaz. vol. 135; p. 309.
 Feed, Boiler. D. Goff. No. 896,820; Aug. 25; Sp. p. 4079; Dr. pp. 878-9; Gaz. vol. 135; p. 1630.
 Feed-box. L. G. Groh. No. 893,623; July 21; Sp. p. 2534; Dr. p. 528; Gaz. vol. 135; p. 466.
 Feed-box. F. M. Bennett. No. 896,268; Aug. 18; Sp. p. 2948; Dr. p. 635; Gaz. vol. 135; p. 1429.
 Feed-box. Vermin-exterminating. D. A. Bradford. No. 886,934; May 5; Sp. p. 1190; Dr. p. 251; Gaz. vol. 134; p. 198.
 Feed capping-machine. Automatic. G. Kirkegaard. No. 904,879; Nov. 24; Sp. p. 4848; Gaz. vol. 137; p. 866.
 Feed-carrier. W. Loudon. No. 898,489; Sept. 15; Sp. p. 2520; Dr. p. 539; Gaz. vol. 136; p. 466.
 Feed-chopper. J. F. Raymond. No. 880,326; Feb. 25; Sp. p. 5016; Dr. p. 1058; Gaz. vol. 132; p. 1751.
 Feed controller. Boiler. A. B. Smith. No. 885,653; Apr. 21; Sp. p. 4074; Dr. pp. 851-2; Gaz. vol. 133; p. 1894.
 Feed-cutter. E. S. Wilder. No. 887,894; May 19; Sp. p. 3176; Dr. pp. 668-9; Gaz. vol. 134; p. 573.
 Feed-cutter. W. Thurman. No. 890,385; June 9; Sp. p. 2409; Dr. p. 531; Gaz. vol. 134; p. 1471.
 Feed-cutter. I. and I. N. Gardner. No. 902,068; Oct. 27; Sp. p. 4186; Dr. p. 848; Gaz. vol. 136; p. 1818.
 Feed device. Intermittent. F. H. Richards. No. 885,292; Apr. 21; Sp. p. 3341; Dr. p. 698; Gaz. vol. 133; p. 1781.
 Feed device or feed-hopper. H. D. Conway. No. 879,366; Feb. 18; Sp. p. 3005; Dr. p. 628; Gaz. vol. 132; p. 1403.
 Feed-elevator for maize-shellers and threshing-machines, Swinging. T. J. Gee. No. 880,291; Feb. 25; Sp. p. 4963; Dr. p. 1048; Gaz. vol. 132; p. 1741.
 Feed for automatic machines. F. H. Richards. No. 886,408; May 5; Sp. p. 141; Dr. pp. 28-9; Gaz. vol. 134; p. 28.
 Feed-gage. E. L. Megill. No. 885,773; Apr. 28; Sp. p. 4330; Dr. p. 908; Gaz. vol. 133; p. 1964.
 Feed-gage bracket. L. W. Reinhardt. No. 902,910; Nov. 3; Sp. p. 766; Gaz. vol. 137; p. 126.
 Feed-gage pin. M. P. Morse. No. 895,662; Aug. 11; Sp. p. 1767; Dr. p. 376; Gaz. vol. 135; p. 1211.
 Feed mechanism. C. A. Hirth. No. 899,981; Sept. 29; Sp. p. 5464; Dr. p. 1165; Gaz. vol. 136; p. 1013.
 Feed mechanism. B. M. W. Hanson and F. W. Post. No. 905,520; Dec. 1; Sp. p. 831; Gaz. vol. 137; p. 1116.
 Feed-mechanism controlling device. W. H. Stedman. No. 893,205; July 14; Sp. p. 1658; Dr. p. 350; Gaz. vol. 135; p. 299.
 Feed mechanism. Electrically-controlled. B. M. W. Hanson. No. 886,294; Apr. 28; Sp. p. 5373; Dr. p. 1129; Gaz. vol. 133; p. 2137.
 Feed mechanism. Roller. W. A. Leonard. No. 899,492; Sept. 22; Sp. p. 4416; Dr. p. 948; Gaz. vol. 136; p. 818.
 Feed-mixer. P. McEvoy. No. 902,992; Nov. 3; Sp. p. 931; Gaz. vol. 137; p. 153.
 Feed-packing machine. J. M. Nikolai. No. 876,389; Jan. 14; Sp. p. 1404; Dr. p. 303; Gaz. vol. 132; p. 263.
 Feed-regulator. W. Engelbrecht. No. 878,621; Feb. 11; Sp. p. 1580; Dr. p. 321; Gaz. vol. 132; p. 1124.
 Feed-regulator. M. F. Williams. No. 878,847; Feb. 11; Sp. p. 1995; Dr. p. 413; Gaz. vol. 132; p. 1196.
 Feed-regulator. O. M. Morse. No. 895,489; Aug. 11; Sp. p. 1436; Dr. p. 301; Gaz. vol. 135; p. 1155.
 Feed-regulator, Boiler. H. E. Cade and D. R. Knapp. No. 891,981; June 30; Sp. p. 5707; Dr. p. 1228; Gaz. vol. 134; p. 2092.
 Feed-regulator, Thermostatic boiler. O. O. White. No. 897,244; Aug. 25; Sp. p. 5068; Dr. p. 1059; Gaz. vol. 135; p. 1774.
 Feed-trough. L. Z. Pearson. No. 878,086; Feb. 4; Sp. p. 393; Dr. p. 82; Gaz. vol. 132; p. 912.
 Feed-trough. E. A. Lee. No. 879,559; Feb. 18; Sp. p. 3425; Dr. p. 717; Gaz. vol. 132; p. 1466.
 Feed-trough. C. B. Haldeman. No. 900,277; Oct. 6; Sp. p. 442; Dr. p. 90; Gaz. vol. 136; p. 1141.
 Feed-trough. T. C. Ottinger. No. 903,309; Nov. 10; Sp. p. 1541; Gaz. vol. 137; p. 285.
 Feed-water feeding, purifying, and regulating apparatus. J. W. Gamble. No. 877,497; Jan. 28; Sp. p. 3717; Dr. p. 804; Gaz. vol. 132; p. 693.
 Feed-water governor. J. B. Mowry. No. 876,725; Jan. 14; Sp. p. 2128; Dr. p. 467; Gaz. vol. 132; p. 377.
 Feed-water heater. W. H. Brown. No. 879,362; Feb. 18; Sp. p. 3000; Dr. p. 627; Gaz. vol. 132; p. 1402.
 Feed-water heater. R. Z. de Graau. No. 883,191; Mar. 31; Sp. p. 5376; Dr. p. 1144; Gaz. vol. 133; p. 1009.
 Feed-water heater. G. Wilkinson. No. 883,925; Apr. 7; Sp. p. 514; Dr. p. 102; Gaz. vol. 133; p. 1274.
 Feed-water heater. G. W. J. White. No. 885,005; Apr. 14; Sp. p. 2720; Dr. p. 576; Gaz. vol. 133; p. 1653.
 Feed-water heater. D. Brews. No. 891,399; June 23; Sp. p. 4496; Dr. p. 978; Gaz. vol. 134; p. 1868.
 Feed-water heater. J. Rosemeyer. No. 893,377; July 14; Sp. p. 1978; Dr. p. 415; Gaz. vol. 135; p. 356.
 Feed-water heater. R. C. Casperson. No. 894,598; July 28; Sp. p. 4639; Dr. p. 962; Gaz. vol. 135; p. 809.
 Feed-water heater. J. H. Kidwell. No. 901,245; Oct. 13; Sp. p. 2412; Dr. pp. 494-5; Gaz. vol. 136; p. 1481.
 Feed-water heater. L. H. Caverly. No. 902,208; Oct. 27; Sp. p. 4465; Dr. p. 903; Gaz. vol. 136; p. 1863.
 Feed-water heater and purifier. J. C. Jones. No. 876,357; Jan. 14; Sp. p. 1331; Dr. p. 289; Gaz. vol. 132; p. 252.
 Feed-water heater, Boiler. R. Kabitz. No. 886,516; May 5; Sp. p. 343; Dr. pp. 70-1; Gaz. vol. 134; p. 63.
 Feed-water-heater cleaning device. T. V. Elliott. No. 903,132; Nov. 3; Sp. p. 1193; Gaz. vol. 137; p. 195.
 Feed-water heating and purifying system. J. W. Gamble. No. 883,948; Apr. 7; Sp. p. 560; Dr. p. 112; Gaz. vol. 133; p. 1282.
 Feed-water-heating grate. E. C. Willson. No. 883,602; Mar. 31; Sp. p. 6225; Dr. p. 1327; Gaz. vol. 133; p. 1140.
 Feed-water pipes, Cleaning attachment for. C. E. Mann. No. 875,832; Jan. 7; Sp. p. 290; Dr. p. 63; Gaz. vol. 132; p. 54.
 Feed-water purifier. H. White. No. 885,554; Apr. 21; Sp. p. 3883; Dr. p. 812; Gaz. vol. 133; p. 1864.
 Feed-water regulator. C. A. Dunham. No. 884,913; Apr. 14; Sp. p. 2532; Dr. p. 536; Gaz. vol. 133; p. 1625.
 Feed-water regulator. H. R. O'Brian. No. 898,255; Sept. 8; Sp. p. 2072; Dr. p. 440; Gaz. vol. 136; p. 358.
 Feed-water regulator. W. H. Bartholomew. No. 898,625; Sept. 15; Sp. p. 2789; Dr. p. 596; Gaz. vol. 136; p. 510.
 Feed-water regulator and alarm. W. D. Hodgson. No. 886,295; Apr. 28; Sp. p. 5379; Dr. p. 1130; Gaz. vol. 133; p. 2137.
 Feeder. See Press-self-feeder.
 Feeder. G. B. Warren. No. 884,436; Apr. 14; Sp. p. 1545; Dr. p. 332; Gaz. vol. 133; p. 1470.
 Feeder. W. P. Jencks. No. 888,811; May 26; Sp. p. 5022; Dr. p. 1070; Gaz. vol. 134; p. 902.
 Feeder. F. M. Jotts. No. 896,656; Aug. 18; Sp. p. 3719; Dr. pp. 800-1; Gaz. vol. 135; p. 1552.
 Feeder and exerciser. Poultry. W. M. Conner. No. 886,580; May 5; Sp. p. 464; Dr. p. 99; Gaz. vol. 134; p. 85.
 Feeder and waterer. Poultry. M. Kuetner. No. 887,818; May 19; Sp. p. 3018; Dr. p. 634; Gaz. vol. 134; p. 547.
 Feeder, Automatic. C. B. Williams. No. 877,538; Jan. 28; Sp. p. 3806; Dr. pp. 823-4; Gaz. vol. 132; p. 707.
 Feeder, Automatic boiler. A. F. Lovering. No. 887,406; May 12; Sp. p. 2209; Dr. p. 461; Gaz. vol. 134; p. 381.
 Feeder, Boiler. N. English. No. 902,283; Oct. 27; Sp. p. 4623; Dr. p. 939; Gaz. vol. 136; p. 1887.
 Feeder, Chicken. G. E. Gibson. No. 891,534; June 23; Sp. p. 4762; Dr. p. 1031; Gaz. vol. 134; p. 1912.
 Feeder, Chicken-exercising. A. and W. Bruhn. No. 902,132; Oct. 27; Sp. p. 4313; Dr. p. 873; Gaz. vol. 136; p. 1838.
 Feeder-governor. C. T. H. Bond. No. 884,357; Apr. 14; Sp. p. 1395; Dr. p. 299; Gaz. vol. 133; p. 1443.
 Feeder, Mechanical. T. L. and T. J. Sturtevant. No. 879,423; Feb. 18; Sp. p. 3147; Dr. p. 655; Gaz. vol. 132; p. 1423.
 Feeder or conveyor mechanism. N. B. Converse. No. 894,424; July 28; Sp. p. 4293; Dr. pp. 885-6; Gaz. vol. 135; p. 752.
 Feeder, Pig. F. B. Espy. No. 886,485; May 5; Sp. p. 284; Dr. p. 60; Gaz. vol. 134; p. 52.
 Feeder regulator, Boiler. G. W. Gardner. No. 887,086; May 12; Sp. p. 1495; Dr. pp. 317-18; Gaz. vol. 134; p. 275.
 Feeder, Variable-standard boiler. E. P. Noyes. No. 888,840; May 26; Sp. p. 5076; Dr. p. 1083; Gaz. vol. 134; p. 911.
 Feeding apparatus. C. T. Hatch. No. 900,851; Oct. 13; Sp. p. 1663; Dr. p. 337; Gaz. vol. 136; p. 1356.
 Feeding apparatus. G. C. Eaton. No. 907,227; Dec. 22; Sp. p. 4102; Gaz. vol. 137; p. 1755.
 Feeding device. J. Mathison. No. 902,827; Nov. 3; Sp. p. 881; Gaz. vol. 137; p. 99.
 Feeding device for animals. Slow. J. R. Moore. No. 895,574; Aug. 11; Sp. p. 1595; Dr. p. 337; Gaz. vol. 135; p. 1182.
 Feeding device for draft-animals. R. L. Smith. No. 883,056; Mar. 24; Sp. p. 5088; Dr. p. 1086; Gaz. vol. 133; p. 934.
 Feeding device. Frictionally-controlled. F. O. Lawrence. No. 888,179; May 19; Sp. p. 3709; Dr. pp. 774-5; Gaz. vol. 134; p. 662.
 Feeding device. Poultry and animal. I. M. Fredrick. No. 890,352; June 9; Sp. p. 2348; Dr. p. 518; Gaz. vol. 134; p. 1461.
 Feeding device, Stock. H. Jenkins. No. 901,620; Oct. 20; Sp. p. 3247; Dr. p. 666; Gaz. vol. 136; p. 1642.
 Feeding-machine attachment. J. Kleidmann. No. 904,266; Nov. 17; Sp. p. 3542; Gaz. vol. 137; p. 634.
 Feeding mechanism. F. Mueller. No. 876,382; Jan. 14; Sp. p. 1390; Dr. p. 300; Gaz. vol. 132; p. 260.
 Feeding mechanism. T. W. Kienast. No. 884,336; Apr. 7; Sp. p. 1342; Dr. pp. 286-7; Gaz. vol. 133; p. 1408.
 Feeding mechanism. T. W. Kienast. No. 884,337; Apr. 7; Sp. p. 1343; Dr. p. 287; Gaz. vol. 133; p. 1408.
 Feeding mechanism. G. Wagner. No. 887,987; May 19; Sp. p. 3353; Dr. pp. 703-4; Gaz. vol. 134; p. 603.
 Feeding-off mechanism. W. A. Tompkins. No. 886,277; Apr. 28; Sp. p. 5335; Dr. p. 1122; Gaz. vol. 133; p. 2131.

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- Feeding-trough. L. L. Hughes and R. G. Browning. No. 879,173; Feb. 18; Sp. p. 2645; Dr. p. 551; Gaz. vol. 132; p. 1341.
Feeding-trough. F. McArthur. No. 892,071; June 30; Sp. p. 5862; Dr. p. 1262; Gaz. vol. 134; p. 2120.
Feeding-trough rack. W. A. McCollough. No. 899,125; Sept. 22; Sp. p. 3713; Dr. p. 796; Gaz. vol. 136; p. 700.
Feet, Arch-supporter for flat. B. Ruhmann. No. 831,343; Mar. 10; Sp. p. 1690; Dr. p. 365; Gaz. vol. 133; p. 315.
Feldspar flux, Making. F. M. Locke. No. 897,636; Sept. 1; Sp. p. 803; Gaz. vol. 136; p. 128.
Felly, T. H. Walbridge. No. 892,558; May 26; Sp. p. 4471; Dr. p. 947; Gaz. vol. 134; p. 819.
Felly-joint. J. A. Cain. No. 892,648; July 7; Sp. p. 498; Dr. p. 105; Gaz. vol. 135; p. 89.
Felly-rounding machine. J. G. Stoen. No. 907,913; Dec. 29; Sp. p. 5533; Gaz. vol. 137; p. 2013.
Felt-like substance. D. Beatty and S. C. Irving. No. 883,442; Mar. 31; Sp. p. 5922; Gaz. vol. 133; p. 1092.
Fence. W. M. Dillon. No. 886,483; May 5; Sp. p. 280; Dr. p. 59; Gaz. vol. 134; p. 52.
Fence. J. F. Johnson. No. 888,905; May 26; Sp. p. 5225; Dr. p. 1108; Gaz. vol. 134; p. 935.
Fence. A. O. Huffman. No. 896,113; Aug. 18; Sp. p. 2662; Dr. pp. 574-5; Gaz. vol. 135; p. 1378.
Fence. P. Howard. No. 899,112; Sept. 22; Sp. p. 3687; Dr. p. 790; Gaz. vol. 136; p. 696.
Fence. E. V. Woodson. No. 903,258; Nov. 10; Sp. p. 1454; Gaz. vol. 137; p. 268.
Fence. G. A. Masters. No. 904,630; Nov. 24; Sp. p. 4303; Gaz. vol. 137; p. 783.
Fence and hitching post. W. H. Kessler. No. 904,487; Nov. 17; Sp. p. 4020; Gaz. vol. 137; p. 708.
Fence, Artificial-stone. L. Townsend. No. 881,747; Mar. 10; Sp. p. 2495; Dr. p. 537; Gaz. vol. 133; p. 444.
Fence-brace. L. F. Tissot. No. 906,117; Dec. 8; Sp. p. 2077; Gaz. vol. 137; p. 1356.
Fence-building machine, Wire-. M. A. Moss. No. 906,547; Dec. 15; Sp. p. 2775; Gaz. vol. 137; p. 1504.
Fence-clamp. W. B. Shotwell. No. 889,819; June 2; Sp. p. 1222; Dr. p. 282; Gaz. vol. 134; p. 1258.
Fence clamp, Wire-. H. H. and H. C. Harris. No. 889,880; June 2; Sp. p. 1343; Dr. p. 307; Gaz. vol. 134; p. 1279.
Fence compensator, Wire-. D. L. Mullinix. No. 906,814; Dec. 15; Sp. p. 3279; Gaz. vol. 137; p. 1538.
Fence construction. E. B. Maxwell. No. 876,208; Jan. 7; Sp. p. 1010; Dr. p. 219; Gaz. vol. 132; p. 172.
Fence construction. R. Sutherland. No. 890,468; June 9; Sp. p. 2550; Dr. p. 565; Gaz. vol. 134; p. 1496.
Fence corner-post and brace. C. H. Tiedeman. No. 876,248; Jan. 7; Sp. p. 1088; Dr. p. 237; Gaz. vol. 132; p. 185.
Fence fastener, Wire-. J. H. Knickerbocker. No. 900,175; Oct. 6; Sp. p. 221; Dr. p. 45; Gaz. vol. 136; p. 1108.
Fence, Iron. F. A. Peter. No. 895,297; Aug. 4; Sp. p. 1069; Dr. pp. 223-4; Gaz. vol. 135; p. 1069.
Fence-laying machine, Wire-. M. M. Swanson. No. 877,254; Jan. 21; Sp. p. 3241; Dr. p. 701; Gaz. vol. 132; p. 595.
Fence-machine. C. E. Merchen. No. 899,419; Sept. 22; Sp. p. 4278; Dr. p. 918; Gaz. vol. 136; p. 794.
Fence machine, Wire-. P. W., J. W., and W. Sommer. No. 875,859; Jan. 7; Sp. p. 336; Dr. pp. 74-5; Gaz. vol. 132; p. 62.
Fence machine, Wire-. G. K. Chapin. No. 888,784; May 26; Sp. p. 4946; Dr. pp. 1054-5; Gaz. vol. 134; p. 893.
Fence machine, Wire-. C. E. Mirfield. No. 894,971; Aug. 4; Sp. p. 386; Dr. pp. 78-80; Gaz. vol. 135; p. 958.
Fence machine, Wire-. W. W. Lincoln. No. 902,422; Oct. 27; Sp. p. 4914; Dr. pp. 995-8; Gaz. vol. 136; p. 1934.
Fence-maker's combination-tool. J. E. Weyeneth. No. 885,816; Apr. 28; Sp. p. 4428; Dr. p. 930; Gaz. vol. 133; p. 1979.
Fence-making device. V. Landholm. No. 886,376; May 5; Sp. p. 67; Dr. pp. 13-14; Gaz. vol. 134; p. 16.
Fence-making machine. D. P. Malone. No. 884,182; Apr. 7; Sp. p. 1080; Dr. p. 224; Gaz. vol. 133; p. 1359.
Fence-making machine. A. E. Roberts. No. 907,837; Dec. 29; Sp. p. 5475; Gaz. vol. 137; p. 2005.
Fence-making machine, Wire-. J. M. Denning. No. 900,490; Oct. 6; Sp. p. 883; Dr. pp. 181-5; Gaz. vol. 136; p. 1210.
Fence-making machine, Wire-. J. Harris. No. 907,595; Dec. 22; Sp. p. 4843; Gaz. vol. 137; p. 1879.
Fence or guard, Wicket. A. L. J. Miller. No. 899,605; Sept. 29; Sp. p. 4673; Dr. p. 1002; Gaz. vol. 136; p. 892.
Fence, Portable. G. W. Walters. No. 907,204; Dec. 22; Sp. p. 4048; Gaz. vol. 137; p. 1748.
Fence-post. C. S. Beebe. No. 875,769; Jan. 7; Sp. p. 175; Dr. p. 38; Gaz. vol. 132; p. 34.
Fence-post. C. S. Dougherty. No. 877,638; Jan. 28; Sp. p. 4007; Dr. p. 365; Gaz. vol. 132; p. 739.
Fence-post. C. A. Carter. No. 880,355; Feb. 25; Sp. p. 5069; Dr. p. 1070; Gaz. vol. 132; p. 1761.
Fence-post. J. N. Hayes. No. 880,992; Mar. 3; Sp. p. 1008; Dr. p. 216; Gaz. vol. 133; p. 171.
Fence-post. R. Titworth. No. 881,267; Mar. 10; Sp. p. 1545; Dr. p. 333; Gaz. vol. 133; p. 291.
Fence-post. L. H. Scott. No. 883,491; Mar. 31; Sp. p. 6018; Dr. p. 1285; Gaz. vol. 133; p. 1109.
Fence-post. J. McInnis. No. 883,901; Apr. 7; Sp. p. 467; Dr. p. 92; Gaz. vol. 133; p. 1266.
Fence-post. G. W. Fyle. No. 883,913; Apr. 7; Sp. p. 491; Dr. p. 97; Gaz. vol. 133; p. 1271.
Fence-post. W. H. Sawyer. No. 886,544; May 5; Sp. p. 398; Dr. p. 84; Gaz. vol. 134; p. 73.
Fence-post. C. A. Mendenhall. No. 888,719; May 26; Sp. p. 4804; Dr. p. 1023; Gaz. vol. 134; p. 872.
Fence-post. G. H. Ward. No. 889,647; June 2; Sp. p. 889; Dr. pp. 204-5; Gaz. vol. 134; p. 1204.
Fence-post. J. H. Norris. No. 890,248; June 9; Sp. p. 2121; Dr. p. 466; Gaz. vol. 134; p. 1428.
Fence-post. W. H. H. Scotchorn. No. 890,308; June 9; Sp. p. 2266; Dr. p. 500; Gaz. vol. 134; p. 1447.
Fence-post. H. M. Fewsins. No. 893,156; July 14; Sp. p. 1567; Dr. p. 331; Gaz. vol. 135; p. 285.
Fence-post. J. H. Hufford. No. 894,794; July 28; Sp. p. 4996; Dr. p. 1043; Gaz. vol. 135; p. 872.
Fence-post. W. E. Wolfe and G. H. Peddle. No. 896,500; Aug. 18; Sp. p. 3433; Dr. p. 738; Gaz. vol. 135; p. 1504.
Fence-post. A. Pagel. No. 897,773; Sept. 1; Sp. p. 1083; Dr. p. 232; Gaz. vol. 136; p. 173.
Fence-post. A. M. Weatherly, Sr. No. 902,457; Oct. 27; Sp. p. 5010; Dr. p. 1012; Gaz. vol. 136; p. 1945.
Fence-post. F. T. Cherry. No. 902,802; Nov. 3; Sp. p. 519; Gaz. vol. 137; p. 91.
Fence-post. H. F. Gehant. No. 906,522; Dec. 15; Sp. p. 2732; Gaz. vol. 137; p. 1496.
Fence-post attachment. L. B. Harmon. No. 892,420; July 7; Sp. p. 54; Dr. p. 13; Gaz. vol. 135; p. 13.
Fence-post base. O. J. Snider. No. 891,448; June 23; Sp. p. 4586; Dr. p. 996; Gaz. vol. 134; p. 1884.
Fence-post, Concrete. F. P. Van Hook. No. 882,131; Mar. 17; Sp. p. 3291; Dr. p. 701; Gaz. vol. 133; p. 600.
Fence-post fencing-fastener. J. J. Dickson. No. 895,981; Aug. 11; Sp. p. 2418; Dr. p. 518; Gaz. vol. 135; p. 1314.
Fence-post, Indestructible. J. S. Moore and H. C. Deck. No. 892,069; June 30; Sp. p. 5589; Dr. p. 1261; Gaz. vol. 134; p. 2119.
Fence-post, Iron. B. P. Andersen. No. 903,944; Nov. 17; Sp. p. 2872; Gaz. vol. 137; p. 524.
Fence-post mold. B. Tanner. No. 876,027; Jan. 7; Sp. p. 663; Dr. p. 143; Gaz. vol. 132; p. 114.
Fence-post mold. J. D. Williams. No. 882,439; Mar. 17; Sp. p. 3867; Dr. p. 826; Gaz. vol. 133; p. 699.
Fence-post mold. H. H. Rodgers. No. 883,569; Mar. 31; Sp. p. 6172; Dr. p. 1313; Gaz. vol. 133; p. 1130.
Fence-post mold. C. F. Kyser. No. 884,502; Apr. 14; Sp. p. 1691; Dr. p. 363; Gaz. vol. 133; p. 1491.
Fence-post-molding apparatus. L. H. Scott. No. 895,691; Aug. 11; Sp. p. 1830; Dr. pp. 389-90; Gaz. vol. 135; p. 1221.
Fence-post multiple mold. C. Kubach. No. 899,416; Sept. 22; Sp. p. 4275; Dr. p. 917; Gaz. vol. 136; p. 793.
Fence-posts, Apparatus for molding bases on. M. C. Munn. No. 898,671; Sept. 15; Sp. p. 2879; Dr. p. 616; Gaz. vol. 136; p. 524.
Fence-posts, Constructing. Z. T. Crego. No. 905,794; Dec. 1; Sp. p. 1345; Gaz. vol. 137; p. 1204.
Fence reel, Wire-. S. Leigh. No. 906,725; Dec. 15; Sp. p. 3108; Gaz. vol. 137; p. 1559.
Fence, Sectional-stay wire. G. E. Mirfield. No. 877,214; Jan. 21; Sp. p. 3172; Dr. p. 688; Gaz. vol. 132; p. 582.
Fence-stay-fastening machine, Wire-. Z. Hurd. No. 900,099; Oct. 6; Sp. p. 48; Dr. pp. 9-10; Gaz. vol. 136; p. 1083.
Fence-stay, Wire-. R. L. Horsley. No. 902,659; Nov. 3; Sp. p. 248; Gaz. vol. 137; p. 42.
Fence-stretcher. I. K. Hollinger. No. 886,369; May 5; Sp. p. 52; Dr. p. 11; Gaz. vol. 134; p. 13.
Fence-stretcher. T. T. Rogers. No. 905,751; Dec. 1; Sp. p. 1265; Gaz. vol. 137; p. 1189.
Fence stretcher, Wire-. E. E. Whitehead. No. 888,561; May 26; Sp. p. 4482; Dr. p. 949; Gaz. vol. 134; p. 821.
Fence stretcher, Wire-. W. Hopper. No. 895,862; Aug. 11; Sp. p. 2180; Dr. p. 464; Gaz. vol. 135; p. 1275.
Fence stretcher, Wire-. J. H. Gwynne. No. 900,726; Oct. 13; Sp. p. 1398; Dr. p. 284; Gaz. vol. 136; p. 1315.
Fence stretcher, Wire-. C. L. Davis. No. 901,891; Oct. 20; Sp. p. 3803; Dr. p. 774; Gaz. vol. 136; p. 1731.
Fence-stretcher, Wire-. E. R. Carr. No. 902,712; Nov. 3; Sp. p. 362; Gaz. vol. 137; p. 62.
Fence-stretching apparatus. J. W. Mason. No. 888,448; May 19; Sp. p. 4247; Dr. p. 899; Gaz. vol. 134; p. 751.
Fence-stretching clamp, Wire-. C. E. Logan. No. 898,236; Sept. 8; Sp. p. 2046; Dr. p. 434; Gaz. vol. 136; p. 353.
Fence-tie. W. M. Birch. No. 893,301; July 14; Sp. p. 1841; Dr. p. 386; Gaz. vol. 135; p. 331.
Fence-tie. C. E. Birch. No. 894,935; Aug. 4; Sp. p. 323; Dr. p. 65; Gaz. vol. 135; p. 946.
Fence tie, Wire-. W. M. Dillon. No. 898,339; Sept. 8; Sp. p. 2217; Dr. p. 471; Gaz. vol. 136; p. 384.
Fence tie, Wire-. R. A. Pringle. No. 906,460; Dec. 8; Sp. p. 2610; Gaz. vol. 137; p. 1449.
Fence-weaving machine. G. P. A. Weisenborn. No. 898,294; Sept. 8; Sp. p. 2138; Dr. pp. 454-5; Gaz. vol. 136; p. 370.
Fence, Wire A. Westerberg. No. 902,188; Oct. 27; Sp. p. 4431; Dr. p. 897; Gaz. vol. 136; p. 1856.
Fence-wire fastener. W. H. Sullivan. No. 883,584; Mar. 31; Sp. p. 6196; Dr. p. 1320; Gaz. vol. 133; p. 1135.
Fence, Woven-wire. G. M. Wright. No. 885,415; Apr. 21; Sp. p. 3604; Dr. p. 755; Gaz. vol. 133; p. 1822.
Fences, Device for securing pickets to wire. S. Wharton. No. 894,301; July 28; Sp. p. 4040; Dr. p. 834; Gaz. vol. 135; p. 711.
Fences, Implement for applying clamps to wire. J. G. Berthiaume and A. E. Barlow. No. 880,712; Mar. 3; Sp. p. 443; Dr. p. 93; Gaz. vol. 133; p. 78.
Fences, Tool for constructing and repairing wire. G. M. Mason. No. 890,152; June 9; Sp. p. 1919; Dr. p. 424; Gaz. vol. 134; p. 1395.
Fencing, Apparatus for stretching wire. J. Fisher. No. 903,367; Nov. 10; Sp. p. 1658; Gaz. vol. 137; p. 304.
Fencing, Field-4. D. C. Smith. No. 905,942; Dec. 8; Sp. p. 1637; Gaz. vol. 137; p. 1282.

Alphabetical list of inventions—Continued.

- Fencing while stretching, Clamp for holding woven-wire. W. Oster. No. 877,222; Jan. 21; Sp. p. 3182; Dr. p. 630; Gaz. vol. 132; p. 584.
- Fencing, Wire. W. H. Griffith. No. 880,138; Feb. 25; Sp. p. 4639; Dr. p. 979; Gaz. vol. 132; p. 1688.
- Fencing, Wire. W. H. Griffith. No. 884,379; Apr. 14; Sp. p. 1447; Dr. p. 308; Gaz. vol. 133; p. 1452.
- Fender: See Agricultural-implement fender; Automatic fender; Automobile-fender; Car-fender; Cultivator-fender; Locomotive and street-car fender; Metallic fender; Flow-fender; Plow-standard fender; Railway-fender; Self-acting fender; Stove-fender; Vehicle-fender.
- Fender. R. D'Oronzio. No. 881,849; Mar. 10; Sp. p. 2691; Dr. pp. 575-6; Gaz. vol. 133; p. 479.
- Fender. J. H. Mauldin. No. 892,280; June 30; Sp. p. 6273; Dr. p. 1350; Gaz. vol. 134; p. 2190.
- Fender. C. K. Wehn. No. 894,357; July 28; Sp. p. 4143; Dr. p. 856; Gaz. vol. 135; p. 730.
- Fender. W. J. Birchell. No. 896,351; Aug. 18; Sp. p. 3120; Dr. pp. 670-1; Gaz. vol. 135; p. 1454.
- Fender and brake, Combined. H. W. Ten Broeke. No. 889,987; June 9; Sp. p. 1582; Dr. pp. 354-5; Gaz. vol. 134; p. 1340.
- Fender and track-cleaner, Combined. J. P. Manson. No. 881,600; Mar. 10; Sp. p. 2199; Dr. p. 479; Gaz. vol. 133; p. 399.
- Fender-clip. W. C. Groehn. No. 900,163; Oct. 6; Sp. p. 194; Dr. p. 40; Gaz. vol. 136; p. 1104.
- Fermenting beer, ale, and other fermentable liquids. H. H. Freund. No. 878,790; Feb. 11; Sp. p. 1904; Dr. pp. 391-2; Gaz. vol. 132; p. 1179.
- Fern-dish or display-receptacle. V. P. Tommins. No. 901,661; Oct. 20; Sp. p. 3323; Dr. p. 682; Gaz. vol. 136; p. 1654.
- Ferrochromium, Producing slag-free. J. B. Huffard. No. 882,637; Mar. 24; Sp. p. 4268; Dr. p. 904; Gaz. vol. 133; p. 798.
- Ferrosilicon, Producing. E. F. Price. No. 882,417; Mar. 17; Sp. p. 3830; Dr. p. 818; Gaz. vol. 133; p. 692.
- Ferrous carbonate, Composition for the production of. J. K. Lily. No. 876,366; Jan. 14; Sp. p. 1350; Gaz. vol. 132; p. 255.
- Ferrule, Detachable. C. A. Scott and A. F. Whipple. No. 876,734; Jan. 14; Sp. p. 2140; Dr. p. 470; Gaz. vol. 132; p. 380.
- Ferrule, Handle-. J. H. Bennett. No. 901,063; Oct. 13; Sp. p. 2093; Dr. p. 425; Gaz. vol. 136; p. 1425.
- Fertilizer. A. L. Kennedy. No. 879,877; Feb. 25; Sp. p. 4103; Gaz. vol. 132; p. 1602.
- Fertilizer. J. F. Jarboe. No. 897,624; Sept. 1; Sp. p. 785; Gaz. vol. 136; p. 124.
- Fertilizer. L. R. Coates. No. 899,155; Sept. 22; Sp. p. 3780; Gaz. vol. 136; p. 710.
- Fertilizer. L. R. Coates. No. 900,056; Sept. 29; Sp. p. 5646; Gaz. vol. 136; p. 1039.
- Fertilizer-distributor. E. F. Fisher. No. 877,316; Jan. 21; Sp. p. 3368; Dr. p. 729; Gaz. vol. 132; p. 613.
- Fertilizer-distributor. R. P. Hassler. No. 877,712; Jan. 28; Sp. p. 4141; Dr. p. 896-7; Gaz. vol. 132; p. 762.
- Fertilizer-distributor. W. A. Mitchell. No. 880,561; Mar. 3; Sp. p. 132; Dr. p. 29; Gaz. vol. 133; p. 27.
- Fertilizer-distributor. G. Niebel. No. 880,908; Mar. 3; Sp. p. 866; Dr. p. 185; Gaz. vol. 133; p. 145.
- Fertilizer-distributor. N. H. and J. H. Bloom. No. 882,230; Mar. 17; Sp. p. 3484; Dr. p. 741; Gaz. vol. 133; p. 629.
- Fertilizer-distributor. W. B. Parrish. No. 883,564; Mar. 31; Sp. p. 6164; Dr. p. 1311; Gaz. vol. 133; p. 1129.
- Fertilizer-distributor. E. N. Yarbrough. No. 885,126; Apr. 21; Sp. p. 2995; Dr. p. 632; Gaz. vol. 133; p. 1726.
- Fertilizer-distributor. E. B. Hackburn, W. C. Willett, and D. F. Deppe. No. 886,207; Apr. 28; Sp. p. 5204; Dr. p. 1096; Gaz. vol. 133; p. 2107.
- Fertilizer-distributor. H. A. Murry and J. W. Evans. No. 889,800; June 2; Sp. p. 1184; Dr. p. 274; Gaz. vol. 134; p. 1252.
- Fertilizer-distributor. D. B. Merrell. No. 891,628; June 23; Sp. p. 4963; Dr. p. 1070; Gaz. vol. 134; p. 1942.
- Fertilizer-distributor. L. Bailey. No. 894,098; July 21; Sp. p. 3581; Dr. p. 737; Gaz. vol. 135; p. 625.
- Fertilizer-distributor. R. L. Graves. No. 894,629; July 28; Sp. p. 4695; Dr. p. 975; Gaz. vol. 135; p. 819.
- Fertilizer-distributor. R. Love. No. 895,479; Aug. 11; Sp. p. 1418; Dr. p. 297; Gaz. vol. 135; p. 1152.
- Fertilizer-distributor. H. N. Harper. No. 897,829; Sept. 1; Sp. p. 1198; Dr. p. 255; Gaz. vol. 136; p. 190.
- Fertilizer-distributor. E. L. Hahn. No. 899,449; Sept. 22; Sp. p. 4334; Dr. p. 931; Gaz. vol. 136; p. 803.
- Fertilizer-distributor. W. E. Warner. No. 899,580; Sept. 29; Sp. p. 4620; Dr. pp. 992-3; Gaz. vol. 136; p. 884.
- Fertilizer-distributor. G. E. Alphin. No. 899,646; Sept. 29; Sp. p. 4763; Dr. p. 1019; Gaz. vol. 136; p. 905.
- Fertilizer-distributor. L. E. Roby and C. A. Pattison. No. 900,124; Oct. 6; Sp. p. 115; Dr. pp. 23-4; Gaz. vol. 136; p. 1091.
- Fertilizer-distributor. J. C. and W. J. Pope. No. 901,123; Oct. 13; Sp. p. 2203; Dr. p. 448; Gaz. vol. 136; p. 1442.
- Fertilizer-distributor. L. G. Herrick. No. 904,127; Nov. 17; Sp. p. 3229; Gaz. vol. 137; p. 586.
- Fertilizer-distributor. C. C. Morgan. No. 904,797; Nov. 24; Sp. p. 4668; Gaz. vol. 137; p. 839.
- Fertilizer-distributor and cultivator, Combined. E. M. Cole. No. 897,456; Sept. 1; Sp. p. 445; Dr. pp. 95-6; Gaz. vol. 136; p. 70.
- Fertilizer-dropper, Hand. J. T. Flippen. No. 883,796; Apr. 7; Sp. p. 245; Dr. p. 44; Gaz. vol. 133; p. 1231.
- Fertilizer, Insecticide-. F. G. Dokkenwadel. No. 888,148; May 19; Sp. p. 3652; Gaz. vol. 134; p. 653.
- Fertilizer, Making a-. E. Collett. No. 888,145; May 19; Sp. p. 3647; Gaz. vol. 134; p. 652.
- Fertilizer, Mineral. J. A. Wendel. No. 892,342; June 30; Sp. p. 6383; Gaz. vol. 134; p. 2210.
- Fertilizers, filtering materials, and the like, Production of. J. Brightmore. No. 888,304; May 19; Sp. p. 3944; Gaz. vol. 134; p. 704.
- Fertilizers, Making. J. R. Young. No. 897,695; Sept. 1; Sp. p. 920; Gaz. vol. 136; p. 147.
- Fiber articles, Machine for forming. W. H. Baker. No. 885,131; Apr. 21; Sp. p. 3006; Dr. p. 634; Gaz. vol. 133; p. 1728.
- Fiber-board, Manufacture of. T. Malcolm. No. 906,043; Dec. 8; Sp. p. 1827; Gaz. vol. 137; p. 1314.
- Fiber-board, Manufacture of. T. Malcolm. No. 906,044; Dec. 8; Sp. p. 1828; Gaz. vol. 137; p. 1314.
- Fiber-cleaning machine. C. Schofield. No. 881,445; Mar. 10; Sp. p. 1901; Dr. p. 414; Gaz. vol. 133; p. 347.
- Fiber-cleaning machine. H. L. Vaughan. No. 887,891; May 19; Sp. p. 3171; Dr. p. 667; Gaz. vol. 134; p. 571.
- Fiber-cleaning machine. A. Pons. No. 899,070; Sept. 22; Sp. p. 3604; Dr. p. 772; Gaz. vol. 136; p. 681.
- Fiber container. M. D. Porter. No. 906,157; Dec. 8; Sp. p. 2049; Gaz. vol. 137; p. 1351.
- Fiber from its seed and impurities, Cleaning and separating kapok. F. C. Gammons. No. 907,330; Dec. 22; Sp. p. 4303; Gaz. vol. 137; p. 1792.
- Fiber from vegetable tissues, Use of hot air in extracting. M. R. Kennedy. No. 885,851; Apr. 28; Sp. p. 4494; Dr. p. 944; Gaz. vol. 133; p. 1990.
- Fiber, Machine for loosely packing. R. Dawson. No. 898,841; Sept. 15; Sp. p. 3191; Dr. pp. 683-4; Gaz. vol. 136; p. 580.
- Fiber, Manufacturing indurated. I. W. Marshall. No. 897,758; Sept. 1; Sp. p. 1038; Dr. pp. 222-3; Gaz. vol. 136; p. 168.
- Fiber-preparing machine. A. Zabriskie. No. 900,251; Oct. 6; Sp. p. 365; Dr. p. 76; Gaz. vol. 136; p. 1132.
- Fiber-separating machine. H. E. Bryant. No. 884,635; Apr. 14; Sp. p. 1956; Dr. p. 420; Gaz. vol. 133; p. 1534.
- Fiber, Soaking sheet. I. W. Marshall. No. 897,759; Sept. 1; Sp. p. 1041; Dr. p. 224; Gaz. vol. 136; p. 169.
- Fiber stock from cornstalks and analogous plants, Preparing. G. R. Sherwood. No. 905,374; Dec. 1; Sp. p. 489; Gaz. vol. 137; p. 1066.
- Fiber stripping and cleaning machine. S. O. Dickinson. No. 900,494; Oct. 6; Sp. p. 916; Dr. p. 186; Gaz. vol. 136; p. 1211.
- Fiber-stripping machine, Manila-hemp-. E. L. Bracy and W. C. Welborn. No. 890,491; June 9; Sp. p. 2594; Dr. pp. 575-6; Gaz. vol. 134; p. 1504.
- Fibers, Apparatus for making mixed. P. M. Hamlin. No. 879,165; Feb. 18; Sp. p. 2632; Dr. p. 549; Gaz. vol. 132; p. 1339.
- Fibers from rhea-plants, Producing. G. H. Roeder. No. 881,489; Mar. 10; Sp. p. 1994; Gaz. vol. 133; p. 362.
- Fibers, Machine for preparing vegetable. F. Scherr and F. Darkin. No. 899,846; Sept. 29; Sp. p. 5186; Dr. p. 1111; Gaz. vol. 136; p. 971.
- Fibers, Preparing. K. Matthews. No. 884,401; Apr. 14; Sp. p. 1482; Dr. p. 317; Gaz. vol. 133; p. 1459.
- Fibrous material, Attachment for feeders for. F. G. Sargent. No. 885,381; Apr. 21; Sp. p. 3547; Dr. p. 741; Gaz. vol. 133; p. 1813.
- Fibrous material, Mordanting. F. Blumenthal. No. 903,833; Nov. 17; Sp. p. 2613; Gaz. vol. 137; p. 485.
- Fibrous materials, Washing or disinfecting. F. L. Bartel. No. 906,091; Dec. 8; Sp. p. 1923; Gaz. vol. 137; p. 1329.
- Fibrous plants, Machine for disintegrating. E. Hartman. No. 880,661; Mar. 3; Sp. p. 343; Dr. pp. 75-6; Gaz. vol. 133; p. 60.
- Fibrous stalks or plants, Producing a solvent for retting of bast. M. H. Colahan. No. 897,522; Sept. 1; Sp. p. 584; Gaz. vol. 136; p. 92.
- Fibrous-stock feeder. S. W. Woodbury. (Reissue.) No. 12,740; Jan. 14; Sp. p. 2525; Dr. p. 552; Gaz. vol. 132; p. 442.
- Field-gate. F. Russell. No. 877,235; Jan. 21; Sp. p. 3204; Dr. p. 694; Gaz. vol. 132; p. 588.
- Field-glasses, Folding. J. B. Kissner. No. 894,665; July 28; Sp. p. 4762; Dr. p. 989; Gaz. vol. 135; p. 830.
- Field winding, Rotating-. H. Hertz. No. 908,098; Dec. 29; Sp. p. 5920; Gaz. vol. 137; p. 2075.
- Fifth-wheel. J. W. Cotton. No. 881,882; Mar. 10; Sp. p. 2775; Dr. p. 595; Gaz. vol. 133; p. 490.
- Fifth-wheel. W. H. Divers. No. 899,660; Sept. 29; Sp. p. 4781; Dr. pp. 1023-4; Gaz. vol. 136; p. 909.
- Fifth-wheel. I. Teeter. No. 903,241; Nov. 10; Sp. p. 1415; Gaz. vol. 137; p. 262.
- Fifth-wheel antirattler. L. E. Hickok. No. 876,545; Jan. 14; Sp. p. 1753; Dr. p. 381; Gaz. vol. 132; p. 317.
- Fifth-wheel antirattler, Vehicle-. L. E. Hickok. No. 876,547; Jan. 14; Sp. p. 1755; Dr. p. 381; Gaz. vol. 132; p. 318.
- Filaments for lighting and heating, Making. G. Michaud and E. Delasson. No. 904,139; Nov. 17; Sp. p. 3259; Gaz. vol. 137; p. 591.
- Filaments from viscose or similar material, Producing and forming twisted. C. A. Ernst. No. 876,533; Jan. 14; Sp. p. 1724; Dr. p. 374; Gaz. vol. 132; p. 313.
- Filaments out of viscose or similar viscous material, Forming. C. A. Ernst. No. 896,715; Aug. 25; Sp. p. 3847; Gaz. vol. 135; p. 1594.
- File. L. F. Boedecker. No. 884,997; Apr. 14; Sp. p. 2706; Dr. pp. 573-4; Gaz. vol. 133; p. 1650.
- File. F. C. Hayes. No. 892,957; July 7; Sp. p. 1139; Dr. p. 239; Gaz. vol. 135; p. 190.
- File, Account-. E. J. Vickers. No. 881,363; Mar. 10; Sp. p. 1737; Dr. p. 374; Gaz. vol. 133; p. 322.
- File and assembling means, Document. J. J. Nicholson. No. 887,011; May 5; Sp. p. 1336; Dr. p. 283; Gaz. vol. 134; p. 222.
- File and index. W. O. Gottwals. No. 883,950; Apr. 7; Sp. p. 474; Dr. p. 115; Gaz. vol. 133; p. 1283.
- File and index. H. H. Knapp. No. 884,823; Apr. 14; Sp. p. 2371; Dr. p. 499; Gaz. vol. 133; p. 1599.
- File and punch, Paper. C. Spiro. No. 878,320; Feb. 4; Sp. p. 871; Dr. p. 173; Gaz. vol. 132; p. 989.

Alphabetical list of inventions—Continued.

- File and the like, Letter-. W. A. Johnson. No. 881,078; Mar. 3; Sp. p. 1171; Dr. pp. 252-3; Gaz. vol. 133; p. 199.
- File, Bill-. W. Molenaar. No. 883,468; Mar. 31; Sp. p. 5970; Dr. p. 1274; Gaz. vol. 133; p. 1100.
- File, Bill-. E. D. Fales. No. 886,486; May 5; Sp. p. 286; Dr. p. 60; Gaz. vol. 134; p. 53.
- File, Bill-. G. C. Odor. No. 886,724; May 5; Sp. p. 795; Dr. p. 163; Gaz. vol. 134; p. 133.
- File, Bill-. J. Miller. No. 908,023; Dec. 29; Sp. p. 5771; Gaz. vol. 137; p. 2050.
- File, Bookkeeping-. C. E. Leer. No. 895,031; Aug. 4; Sp. p. 521; Dr. p. 106; Gaz. vol. 135; p. 980.
- File-cabinet. C. G. Ward. No. 900,242; Oct. 6; Sp. p. 346; Dr. pp. 72-3; Gaz. vol. 136; p. 1129.
- File, Card-. S. T. Walton. No. 901,856; Oct. 20; Sp. p. 3743; Dr. p. 761; Gaz. vol. 136; p. 1719.
- File, Card-index. O. W. Helbig. No. 902,541; Oct. 27; Sp. p. 5210; Dr. pp. 1052-3; Gaz. vol. 136; p. 1975.
- File-case. C. W. Sawyer. No. 877,600; Jan. 28; Sp. p. 3936; Dr. p. 851; Gaz. vol. 132; p. 727.
- File-case. G. J. Stevens. No. 891,110; June 16; Sp. p. 3882; Dr. p. 849; Gaz. vol. 134; p. 1740.
- File-cases, Device for handling. J. B. Nicholson and A. R. Warfield. No. 904,888; Nov. 24; Sp. p. 4870; Gaz. vol. 137; p. 869.
- File clamp and guide. R. S. Brown. No. 891,807; June 23; Sp. p. 5336; Dr. p. 1154; Gaz. vol. 134; p. 2004.
- File, Clip-. C. Spiro. No. 881,970; Mar. 17; Sp. p. 2972; Dr. p. 633; Gaz. vol. 133; p. 547.
- File-clip. R. M. Vick. No. 894,354; July 28; Sp. p. 4140; Dr. p. 855; Gaz. vol. 135; p. 729.
- File, Combined temporary binder and arch-. P. MacGregor. No. 904,628; Nov. 24; Sp. p. 4301; Gaz. vol. 137; p. 782.
- File, Composite. H. Getaz. No. 898,352; Sept. 8; Sp. p. 2238; Dr. p. 477; Gaz. vol. 136; p. 388.
- File, Duplicate-sale-slip. H. McCormick and M. A. Lombard. No. 881,481; Mar. 10; Sp. p. 1978; Dr. p. 431; Gaz. vol. 133; p. 359.
- File, Folding. B. B. McFadden. No. 898,498; Sept. 15; Sp. p. 2535; Dr. pp. 543-4; Gaz. vol. 136; p. 469.
- File for prints, Dust-proof. C. Potter. No. 895,039; Aug. 4; Sp. p. 537; Dr. p. 109; Gaz. vol. 135; p. 982.
- File-handle, Adjustable. R. A. Bacon. No. 905,132; Dec. 1; Sp. p. 13; Gaz. vol. 137; p. 986.
- File, Ledger-. P. B. Johnson. No. 885,482; Apr. 21; Sp. p. 3713; Dr. pp. 780-1; Gaz. vol. 133; p. 1842.
- File, Letter-. P. H. Yawman. No. 890,008; June 9; Sp. p. 1024; Dr. p. 303; Gaz. vol. 134; p. 1347.
- File or binder for paper-covered books, pamphlets, &c. F. M. Barnard. No. 893,421; July 14; Sp. p. 2076; Dr. p. 435; Gaz. vol. 135; p. 371.
- File or cabinet. H. C. Smith. No. 887,282; May 12; Sp. p. 1910; Dr. p. 405; Gaz. vol. 134; p. 338.
- File or similar instrument, Nail-. E. Ruettgers. No. 901,743; Oct. 20; Sp. p. 3533; Dr. p. 714; Gaz. vol. 136; p. 1684.
- File, Paper-. C. E. King. No. 883,543; Mar. 31; Sp. p. 6129; Dr. p. 1303; Gaz. vol. 133; p. 1123.
- File, Paper-. H. Herdegen. No. 884,019; Apr. 7; Sp. p. 710; Dr. p. 144; Gaz. vol. 133; p. 1306.
- File, Revolvable cabinet-. W. A. Hadden. No. 896,294; Aug. 18; Sp. p. 3012; Dr. p. 648; Gaz. vol. 135; p. 1437.
- File-ring. L. M. Morden. No. 876,474; Jan. 14; Sp. p. 1590; Dr. p. 342; Gaz. vol. 132; p. 291.
- File, Stick-. C. B. Cook. No. 888,472; May 26; Sp. p. 4294; Dr. p. 909; Gaz. vol. 134; p. 789.
- Files, Device for listing documents, &c., off. A. Heydemann. No. 895,268; Aug. 4; Sp. p. 1007; Dr. p. 211; Gaz. vol. 135; p. 1059.
- Files, Follower and holder for. W. E. Kimes. No. 875,933; Jan. 7; Sp. p. 470; Dr. p. 101; Gaz. vol. 132; p. 85.
- Files, Guide card or partition for vertical. L. Sengen. No. 886,421; May 5; Sp. p. 164; Dr. p. 34; Gaz. vol. 134; p. 31.
- Files, &c., Machine for testing and indicating the efficiency of. E. G. Herbert and C. Fletcher. No. 907,999; Dec. 29; Sp. p. 5724; Gaz. vol. 137; p. 2042.
- Filing-box. E. C. Holland. No. 878,630; Feb. 11; Sp. p. 1595; Dr. p. 325; Gaz. vol. 132; p. 1126.
- Filing-cabinet. E. D. Trautman and G. Jacobs. No. 896,486; Aug. 18; Sp. p. 3404; Dr. pp. 732-3; Gaz. vol. 135; p. 1500.
- Filing cabinet, Disk-record-. E. A. Hawthorne. No. 887,631; May 12; Sp. p. 2638; Dr. p. 556; Gaz. vol. 134; p. 455.
- Filing-case. H. B. Clarke. No. 879,944; Feb. 25; Sp. p. 4260; Dr. p. 891; Gaz. vol. 132; p. 1626.
- Filing-case. W. K. Holman. No. 884,659; Apr. 14; Sp. p. 2044; Dr. p. 436; Gaz. vol. 133; p. 1543.
- Filing-case. F. C. Deinzer. No. 903,180; Nov. 10; Sp. p. 1294; Gaz. vol. 137; p. 242.
- Filing case, Document-. J. D. Ripson and E. G. Sampson. No. 885,789; Apr. 28; Sp. p. 4362; Dr. p. 915; Gaz. vol. 133; p. 1969.
- Filing-cases, Drawer-support for. P. H. Yawman. No. 883,069; Mar. 24; Sp. p. 5113; Dr. p. 1091; Gaz. vol. 133; p. 938.
- Filing-cases, Portable platform for. A. Jones. No. 890,986; June 16; Sp. p. 3671; Dr. p. 800; Gaz. vol. 134; p. 1701.
- Filing device. N. H. Fulton. No. 888,879; May 26; Sp. p. 5172; Dr. pp. 1097-8; Gaz. vol. 134; p. 926.
- Filing device. L. Sengen. No. 893,020; July 14; Sp. p. 1290; Dr. p. 272; Gaz. vol. 135; p. 240.
- Filing device. J. D. D. Mortimer. No. 901,988; Oct. 27; Sp. p. 4042; Dr. pp. 819-20; Gaz. vol. 136; p. 1793.
- Filing device, Vertical. E. K. Sumner. No. 906,750; Dec. 15; Sp. p. 3165; Gaz. vol. 137; p. 1567.
- Filing devices, Follower for paper-. A. T. Weiss. No. 879,343; Feb. 18; Sp. p. 2957; Dr. p. 617; Gaz. vol. 132; p. 1396.
- Filing-machine. C. J. Peterson. No. 888,651; May 26; Sp. p. 4667; Dr. pp. 991-2; Gaz. vol. 134; p. 851.
- Filing-machine. J. T. Moar. No. 893,186; July 14; Sp. p. 1621; Dr. p. 342; Gaz. vol. 135; p. 293.
- Filing of memoranda, Card-chain for systematic. H. Brunn. No. 898,034; Sept. 8; Sp. p. 1650; Dr. p. 351; Gaz. vol. 136; p. 289.
- Filing papers and cards, Device for. C. La Rue. No. 875,829; Jan. 7; Sp. p. 285; Dr. p. 62; Gaz. vol. 132; p. 53.
- Filing-receptacle. G. M. Doner. No. 892,141; June 30; Sp. p. 5994; Dr. p. 1288; Gaz. vol. 134; p. 2143.
- Fill-pipes, &c., Cap for. A. A. Bowser. No. 875,689; Jan. 7; Sp. p. 23; Dr. p. 4; Gaz. vol. 132; p. 6.
- Filler. G. H. Easley and F. O. Buckles. No. 896,202; Aug. 18; Sp. p. 2818; Dr. p. 607; Gaz. vol. 135; p. 1406.
- Filler-can, Safety. W. H. McNutt. No. 900,764; Oct. 13; Sp. p. 1469; Dr. p. 299; Gaz. vol. 136; p. 1327.
- Filling attachment. E. N. Roth. No. 885,865; Apr. 28; Sp. p. 4520; Dr. p. 948; Gaz. vol. 133; p. 1995.
- Filling-machine, Automatic. J. N. Humphreys. No. 888,615; May 26; Sp. p. 4597; Dr. p. 975; Gaz. vol. 134; p. 840.
- Filling-tube for liquids. A. Schneider. No. 878,241; Feb. 4; Sp. p. 708; Dr. pp. 145-6; Gaz. vol. 132; p. 962.
- Filling-tube for liquids. A. Schneider. No. 878,243; Feb. 4; Sp. p. 717; Dr. p. 146; Gaz. vol. 132; p. 963.
- Filling-tubes for liquids, Sealing-head for. A. Schneider. No. 878,242; Feb. 4; Sp. p. 712; Dr. p. 146; Gaz. vol. 132; p. 963.
- Film-developing apparatus, Daylight. J. Le Compte. No. 899,545; Sept. 29; Sp. p. 4552; Dr. p. 979; Gaz. vol. 136; p. 872.
- Film-handling device. T. S. Graves. No. 897,251; Aug. 25; Sp. p. 5091; Dr. p. 1062; Gaz. vol. 135; p. 1777.
- Film-handling device. T. S. Graves. No. 907,037; Dec. 15; Sp. p. 3692; Gaz. vol. 137; p. 1657.
- Film-holder. G. Logan. No. 902,153; Oct. 27; Sp. p. 4356; Dr. p. 882; Gaz. vol. 136; p. 1845.
- Film-pack. L. G. Haase. No. 880,657; Mar. 3; Sp. p. 339; Dr. p. 74; Gaz. vol. 133; p. 59.
- Filter. G. Ridgway. No. 877,000; Jan. 21; Sp. p. 2704; Dr. pp. 586-7; Gaz. vol. 132; p. 508.
- Filter. W. Lorey. No. 877,206; Jan. 21; Sp. p. 3145; Dr. p. 682; Gaz. vol. 132; p. 578.
- Filter. B. F. Schirmer. No. 879,197; Feb. 18; Sp. p. 2685; Dr. p. 560; Gaz. vol. 132; p. 1348.
- Filter. J. R. Judge. No. 879,270; Feb. 18; Sp. p. 2817; Dr. p. 590; Gaz. vol. 132; p. 1372.
- Filter. L. W. Jones and P. Hansen. No. 879,876; Feb. 25; Sp. p. 4102; Dr. p. 861; Gaz. vol. 132; p. 1602.
- Filter. L. Hirt. No. 879,963; Feb. 25; Sp. p. 4297; Dr. pp. 898-9; Gaz. vol. 132; p. 1632.
- Filter. S. S. Montanye. No. 880,685; Mar. 3; Sp. p. 384; Dr. p. 84; Gaz. vol. 133; p. 68.
- Filter. P. Traulsen and F. Bundesen. No. 882,030; Mar. 17; Sp. p. 3112; Dr. p. 661; Gaz. vol. 133; p. 567.
- Filter. I. Boyd. No. 882,448; Mar. 17; Sp. p. 3884; Dr. p. 830; Gaz. vol. 133; p. 702.
- Filter. C. A. Youngman. No. 884,253; Apr. 7; Sp. p. 1201; Dr. p. 253; Gaz. vol. 133; p. 1382.
- Filter. G. Schlemmer. No. 884,765; Apr. 14; Sp. p. 2264; Dr. p. 476; Gaz. vol. 133; p. 1579.
- Filter. E. J. Sweetland. No. 885,398; Apr. 21; Sp. p. 3572; Dr. p. 748; Gaz. vol. 133; p. 1817.
- Filter. J. Polzin. No. 885,516; Apr. 21; Sp. p. 3772; Dr. p. 794; Gaz. vol. 133; p. 1853.
- Filter. J. A. Cotter. No. 887,069; May 12; Sp. p. 1464; Dr. p. 311; Gaz. vol. 134; p. 269.
- Filter. E. J. Sweetland. No. 887,285; May 12; Sp. p. 1917; Dr. p. 406; Gaz. vol. 134; p. 339.
- Filter. J. T. H. Paul. No. 888,731; May 26; Sp. p. 4821; Dr. p. 1029; Gaz. vol. 134; p. 875.
- Filter. E. Burt. (Reissue). No. 12,807; June 9; Sp. p. 2806; Dr. p. 618; Gaz. vol. 134; p. 1538.
- Filter. E. M. Knight. No. 890,989; June 16; Sp. p. 3676; Dr. pp. 801-2; Gaz. vol. 134; p. 1702.
- Filter. P. J. Donovan. No. 891,048; June 16; Sp. p. 3783; Dr. pp. 825-6; Gaz. vol. 134; p. 1722.
- Filter. J. G. and O. B. Heitzman. No. 891,337; June 23; Sp. p. 4367; Dr. p. 951; Gaz. vol. 134; p. 1847.
- Filter. G. Knock. No. 892,739; July 7; Sp. p. 686; Dr. pp. 144-5; Gaz. vol. 135; p. 118.
- Filter. J. T. H. Paul. No. 893,360; July 14; Sp. p. 1951; Dr. p. 410; Gaz. vol. 135; p. 351.
- Filter. C. H. Loew. No. 893,806; July 21; Sp. p. 2979; Dr. pp. 610-11; Gaz. vol. 135; p. 527.
- Filter. A. E. Chapman. No. 895,072; Aug. 4; Sp. p. 592; Dr. p. 123; Gaz. vol. 135; p. 992.
- Filter. A. A. Bowser. No. 896,353; Aug. 18; Sp. p. 3125; Dr. p. 671; Gaz. vol. 135; p. 1455.
- Filter. A. J. Sheridan. No. 897,418; Sept. 1; Sp. p. 369; Dr. p. 77; Gaz. vol. 136; p. 57.
- Filter. F. Rosenstein. No. 899,075; Sept. 22; Sp. p. 3619; Dr. p. 775; Gaz. vol. 136; p. 683.
- Filter. F. Tiemann. No. 899,194; Sept. 22; Sp. p. 3863; Dr. p. 825; Gaz. vol. 136; p. 723.
- Filter. C. W. Wright. No. 899,645; Sept. 29; Sp. p. 4762; Dr. p. 1019; Gaz. vol. 136; p. 904.
- Filter. V. Toninetti. No. 902,349; Oct. 27; Sp. p. 4784; Dr. p. 965; Gaz. vol. 136; p. 1910.
- Filter. W. B. Klein. No. 902,971; Nov. 3; Sp. p. 874; Gaz. vol. 137; p. 80.
- Filter. L. H. Deppe. No. 903,061; Nov. 3; Sp. p. 1063; Gaz. vol. 137; p. 174.
- Filter. H. A. Frasch. No. 903,697; Nov. 10; Sp. p. 2329; Gaz. vol. 137; p. 409.
- Filter. J. P. White. No. 904,389; Nov. 17; Sp. p. 3788; Gaz. vol. 137; p. 673.

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- Filter. W. L. Imlay. No. 904,698; Nov. 24; Sp. p. 4447; Gaz. vol. 137; p. 806.
 Filter. G. W. Nütz. No. 907,636; Dec. 22; Sp. p. 4948; Gaz. vol. 137; p. 1892.
 Filter and hydraulic press. Combined. M. A. Smith. No. 880,588; Mar. 3; Sp. p. 200; Dr. p. 43; Gaz. vol. 133; p. 33.
 Filter and regulating tap. Combined water. G. Kindermann. No. 888,712; May 26; Sp. p. 4793; Dr. p. 1021; Gaz. vol. 134; p. 870.
 Filter and water-cooler. J. Havassy. No. 902,076; Oct. 27; Sp. p. 4201; Dr. p. 851; Gaz. vol. 136; p. 1821.
 Filter, Automatically-operated. G. H. Fairchild. No. 834,914; Apr. 14; Sp. p. 2535; Dr. pp. 536-7; Gaz. vol. 133; p. 1626.
 Filter-basket. F. J. Wood. No. 902,038; Oct. 27; Sp. p. 4129; Dr. p. 836; Gaz. vol. 136; p. 1809.
 Filter, Centrifugal. S. K. Bellany. No. 893,299; July 14; Sp. p. 1839; Dr. p. 385; Gaz. vol. 135; p. 331.
 Filter-cleaning system. H. W. Blaisdell. No. 804,873; Aug. 4; Sp. p. 137; Dr. p. 30; Gaz. vol. 135; p. 924.
 Filter, Continuous. R. Schorr. No. 893,104; July 14; Sp. p. 1449; Dr. p. 306; Gaz. vol. 135; p. 267.
 Filter element. C. Sellenscheidt. No. 887,349; May 12; Sp. p. 2069; Dr. p. 434; Gaz. vol. 134; p. 362.
 Filter elements. Lining for. C. Sellenscheidt. No. 886,421; May 5; Sp. p. 163; Dr. p. 34; Gaz. vol. 134; p. 31.
 Filter for cyaniding and the like, Continuous. B. Hunt. No. 877,197; Jan. 21; Sp. p. 3122; Dr. pp. 676-7; Gaz. vol. 132; p. 574.
 Filter for cyaniding and the like, Continuous. B. Hunt. No. 882,202; Mar. 17; Sp. p. 3434; Dr. p. 730; Gaz. vol. 133; p. 621.
 Filter for exhaust filtration. Sectional. H. P. Crush. No. 884,797; Apr. 14; Sp. p. 2327; Dr. p. 489; Gaz. vol. 133; p. 1590.
 Filter-frame. G. H. Clevenger. No. 896,436; Aug. 18; Sp. p. 3299; Dr. p. 709; Gaz. vol. 135; p. 1482.
 Filter, Gasoline. J. Ellis. No. 898,567; Sept. 15; Sp. p. 2678; Dr. p. 572; Gaz. vol. 136; p. 491.
 Filter-leaf. H. W. Blaisdell and H. A. Brooks. No. 875,687; Jan. 7; Sp. p. 20; Dr. p. 4; Gaz. vol. 132; p. 5.
 Filter-machine. H. W. Blaisdell. No. 882,738; Mar. 17; Sp. p. 4465; Dr. pp. 950-1; Gaz. vol. 133; p. 831.
 Filter, Oil-. J. H. A. Gardiner. No. 895,038; Aug. 4; Sp. p. 610; Dr. p. 127; Gaz. vol. 135; p. 995.
 Filter, Oil-. A. Bowe. No. 896,797; Aug. 25; Sp. p. 4038; Dr. pp. 869-70; Gaz. vol. 135; p. 1623.
 Filter, Oil-. W. F. Bousman. No. 901,188; Oct. 20; Sp. p. 2825; Dr. p. 577; Gaz. vol. 136; p. 1576.
 Filter or screening-machine. M. Lamort. No. 890,864; June 16; Sp. p. 3391; Dr. pp. 743-4; Gaz. vol. 134; p. 1661.
 Filter-plate. H. M. Ashby. No. 886,464; May 5; Sp. p. 244; Dr. p. 51; Gaz. vol. 134; p. 45.
 Filter-plate. W. B. Klein. No. 902,972; Nov. 3; Sp. p. 877; Gaz. vol. 137; p. 145.
 Filter-plate lock. W. J. Ruff. No. 904,649; Nov. 24; Sp. p. 4346; Gaz. vol. 137; p. 789.
 Filter-press. E. M. Bassler. No. 891,393; June 23; Sp. p. 4484; Dr. p. 976; Gaz. vol. 134; p. 1866.
 Filter-press. C. W. Merrill. No. 900,185; Oct. 6; Sp. p. 239; Dr. pp. 48-9; Gaz. vol. 136; p. 1111.
 Filter-press, Automatic. E. H. Alvord. No. 894,996; Aug. 4; Sp. p. 445; Dr. pp. 90-1; Gaz. vol. 135; p. 967.
 Filter-press, Continuous. J. Atbuckley. No. 905,123; Dec. 1; Sp. p. 3; Gaz. vol. 137; p. 985.
 Filter-press plates. Preparing. F. Hobbs. No. 880,078; Feb. 25; Sp. p. 4528; Dr. p. 953; Gaz. vol. 132; p. 1669.
 Filter, Pressure-. F. E. Maggini. No. 900,180; Oct. 6; Sp. p. 230; Dr. p. 47; Gaz. vol. 136; p. 1110.
 Filter, Pressure-. C. W. Merrill. No. 900,184; Oct. 6; Sp. p. 237; Dr. p. 48; Gaz. vol. 136; p. 1111.
 Filter, Rain-water-. L. W. French. No. 900,510; Oct. 6; Sp. p. 951; Dr. p. 193; Gaz. vol. 136; p. 1217.
 Filter, Sand-. J. M. K. Pennink. No. 895,296; Aug. 4; Sp. p. 1066; Dr. p. 223; Gaz. vol. 135; p. 1069.
 Filter, Self-cleaning. B. Metcalf. No. 880,588; Mar. 3; Sp. p. 126; Dr. pp. 28-9; Gaz. vol. 133; p. 26.
 Filter, Smoke-. E. P. Fuller. No. 907,769; Dec. 29; Sp. p. 5245; Gaz. vol. 137; p. 1967.
 Filter-strainer. R. C. Greer. No. 908,090; Dec. 29; Sp. p. 5893; Gaz. vol. 137; p. 2071.
 Filter, Water-. M. Ray. No. 896,574; Aug. 18; Sp. p. 3574; Dr. pp. 768-9; Gaz. vol. 135; p. 1528.
 Filter, Water-. F. C. Farnell. No. 903,070; Nov. 3; Sp. p. 1082; Gaz. vol. 137; p. 176.
 Filter, Water-. H. Brunner. No. 904,678; Nov. 24; Sp. p. 4402; Gaz. vol. 137; p. 799.
 Filters. Removing caked material from pressure-. D. J. Kelly. No. 880,742; Mar. 3; Sp. p. 512; Dr. p. 106; Gaz. vol. 133; p. 89.
 Filtering and decanting apparatus. W. A. Hendryx. No. 889,131; May 26; Sp. p. 5662; Dr. p. 1199; Gaz. vol. 134; p. 1006.
 Filtering apparatus. H. P. Taylor. No. 880,426; Feb. 25; Sp. p. 5231; Dr. p. 1101; Gaz. vol. 132; p. 1785.
 Filtering apparatus. W. A. Hendryx. No. 885,047; Apr. 21; Sp. p. 2824; Dr. p. 597; Gaz. vol. 133; p. 1701.
 Filtering apparatus. C. R. Thompson. No. 889,988; June 9; Sp. p. 1584; Dr. p. 355; Gaz. vol. 134; p. 1340.
 Filtering apparatus. E. J. White. No. 894,414; July 28; Sp. p. 4272; Dr. p. 881; Gaz. vol. 135; p. 749.
 Filtering apparatus. B. M. Jäger. No. 897,745; Sept. 1; Sp. p. 4015; Dr. p. 216; Gaz. vol. 136; p. 164.
 Filtering apparatus, Liquid-. C. Panthouier. No. 888,259; Mar. 19; Sp. p. 3852; Dr. p. 809; Gaz. vol. 134; p. 690.
 Filtering apparatus, Vacuum. C. Butters. No. 896,360; Aug. 18; Sp. p. 3146; Dr. p. 576; Gaz. vol. 135; p. 1457.
 Filtering device. M. C. Melvin. No. 894,679; July 28; Sp. p. 795; Dr. p. 995; Gaz. vol. 135; p. 836.
 Filtering liquids and fluids, Apparatus for. E. Gobbi. No. 893,070; July 14; Sp. p. 1386; Dr. p. 293; Gaz. vol. 135; p. 257.
 Filtering-machine, Automatic. H. M. Leslie. No. 892,275; June 30; Sp. p. 6261; Dr. pp. 1347-8; Gaz. vol. 134; p. 2188.
 Filtering viscose and similar viscous substances. C. A. Ernst and G. O. Hamlin. No. 878,901; Jan. 14; Sp. p. 2465; Dr. p. 538; Gaz. vol. 132; p. 434.
 Filtering-well. G. Chenot. No. 892,581; July 7; Sp. p. 358; Dr. pp. 78-9; Gaz. vol. 135; p. 67.
 Filtration. I. H. Jewell. No. 903,385; Nov. 10; Sp. p. 1687; Gaz. vol. 137; p. 309.
 Fine-fuel furnace. D. Cudworth. No. 890,028; June 9; Sp. p. 1664; Dr. pp. 370-1; Gaz. vol. 134; p. 1354.
 Finger-coat. F. A. Corliss. No. 883,452; Mar. 31; Sp. p. 5945; Dr. p. 1268; Gaz. vol. 133; p. 1095.
 Finger-developing appliance. F. Loyola. No. 897,471; Sept. 1; Sp. p. 473; Dr. p. 101; Gaz. vol. 136; p. 75.
 Finger-pad. M. H. McElhone. No. 882,117; Mar. 17; Sp. p. 3268; Dr. p. 696; Gaz. vol. 133; p. 595.
 Finger-ring. J. E. Fitzgerald. No. 901,353; Oct. 20; Sp. p. 2614; Dr. p. 537; Gaz. vol. 136; p. 1545.
 Finger-ring-marking machine. H. Henrich. No. 895,180; Aug. 4; Sp. p. 897; Dr. p. 168; Gaz. vol. 135; p. 1028.
 Finger-shield. H. H. Fulton. No. 888,991; May 26; Sp. p. 5387; Dr. p. 1143; Gaz. vol. 134; p. 931.
 Finger-spreading apparatus. R. Finger. No. 886,591; May 5; Sp. p. 498; Dr. p. 106; Gaz. vol. 134; p. 89.
 Finish-remover. C. Ellis. No. 876,304; Jan. 7; Sp. p. 1223; Gaz. vol. 132; p. 205.
 Finish-remover. C. Ellis. No. 876,532; Jan. 14; Sp. p. 1722; Gaz. vol. 132; p. 313.
 Finish remover. J. Ryan. No. 876,240; Feb. 4; Sp. p. 708; Gaz. vol. 132; p. 962.
 Finish-reviver. C. Ellis. No. 907,758; Dec. 29; Sp. p. 5218; Gaz. vol. 137; p. 1963.
 Finishing and lustering machine. X. Bossart. No. 904,173; Nov. 17; Sp. p. 3351; Gaz. vol. 137; p. 603.
 Finishing machine, Silk-thread-. E. Fohl. No. 904,893; Nov. 24; Sp. p. 4877; Gaz. vol. 137; p. 871.
 Fire-alarm. D. G. Thelman. No. 879,601; Feb. 18; Sp. p. 3551; Dr. p. 739; Gaz. vol. 132; p. 1480.
 Fire-alarm. W. Glenck. No. 880,521; Mar. 3; Sp. p. 56; Dr. p. 13; Gaz. vol. 133; p. 13.
 Fire-alarm. G. H. Carroll. No. 881,663; Mar. 10; Sp. p. 2332; Dr. p. 505; Gaz. vol. 133; p. 419.
 Fire-alarm. A. S. Trask. No. 884,304; Apr. 7; Sp. p. 1280; Dr. p. 271; Gaz. vol. 133; p. 1397.
 Fire-alarm. B. B. Meers. No. 899,749; Sept. 29; Sp. p. 4969; Dr. p. 1065; Gaz. vol. 136; p. 938.
 Fire alarm and extinguisher. C. Wilson. No. 898,295; Sept. 8; Sp. p. 2141; Dr. p. 455; Gaz. vol. 136; p. 370.
 Fire alarm and extinguishing system. Combined. C. E. Buell. No. 903,152; Nov. 3; Sp. p. 1228; Gaz. vol. 137; p. 202.
 Fire alarm and signaling system. J. D. Nolen. No. 883,226; Mar. 31; Sp. p. 5456; Dr. p. 1162; Gaz. vol. 133; p. 1021.
 Fire-alarm and sprinkler systems, Automatic transmitter for. J. Fildes and J. F. Watt. No. 877,067; Jan. 21; Sp. p. 2847; Dr. p. 615; Gaz. vol. 132; p. 531.
 Fire-alarm and thermo-indicator, Electric. A. H. McNeil. No. 891,948; June 30; Sp. p. 5639; Dr. p. 1214; Gaz. vol. 134; p. 2082.
 Fire-alarm, Automatic. B. C. and F. W. Hall. No. 875,810; Jan. 7; Sp. p. 256; Dr. p. 55; Gaz. vol. 132; p. 47.
 Fire-alarm, Automatic. S. Murray. No. 876,384; Jan. 14; Sp. p. 1394; Dr. p. 301; Gaz. vol. 132; p. 161.
 Fire-alarm, Automatic. W. T. Munro. No. 896,624; May 5; Sp. p. 553; Dr. p. 117; Gaz. vol. 134; p. 98.
 Fire-alarm box. M. W. Hamblin. No. 882,250; Mar. 17; Sp. p. 3523; Dr. p. 748; Gaz. vol. 133; p. 636.
 Fire-alarm box. L. G. Woolley. No. 894,304; July 28; Sp. p. 4045; Dr. p. 835; Gaz. vol. 135; p. 712.
 Fire-alarm-box alarm device. J. B. Nicholson and A. R. Warfield. No. 904,889; Nov. 24; Sp. p. 4871; Gaz. vol. 137; p. 870.
 Fire-alarm, burglar-alarm, and telephone system, Automatic. G. F. Milliken and F. W. Cole. No. 904,550; Nov. 24; Sp. p. 4144; Gaz. vol. 137; p. 756.
 Fire-alarm circuits, Circuit-closer for. W. W. Katterjohn. No. 904,786; Nov. 24; Sp. p. 4645; Gaz. vol. 137; p. 835.
 Fire-alarm, Electric. H. Anderson. No. 900,641; Oct. 6; Sp. p. 1223; Dr. p. 250; Gaz. vol. 136; p. 1261.
 Fire-alarm signal, Automatic electric. E. E. Hayden. No. 880,662; Mar. 3; Sp. p. 346; Dr. p. 76; Gaz. vol. 133; p. 61.
 Fire-alarm system. M. A. Abrahamson. No. 876,512; Jan. 14; Sp. p. 1676; Dr. pp. 365-6; Gaz. vol. 132; p. 305.
 Fire-alarm system. H. H. Hillier. No. 882,758; Mar. 24; Sp. p. 4505; Dr. pp. 960-1; Gaz. vol. 133; p. 837.
 Fire-alarm system, Automatic. C. J. Fox. No. 903,076; Nov. 3; Sp. p. 1095; Gaz. vol. 137; p. 178.
 Fire-alarm system, Telephone. W. S. McLewee. No. 884,607; Apr. 14; Sp. p. 1904; Dr. pp. 408-9; Gaz. vol. 133; p. 1526.
 Fire-alarm trip, Automatic. F. A. Kehl and A. F. Wright. No. 901,243; Oct. 13; Sp. p. 2409; Dr. p. 494; Gaz. vol. 136; p. 1480.
 Fire and temperature alarm or indicator. G. L. Smith. No. 891,743; June 23; Sp. p. 5193; Dr. p. 1122; Gaz. vol. 134; p. 1980.
 Fire and temperature alarm or indicator. G. L. Smith. No. 905,378; Dec. 1; Sp. p. 500; Gaz. vol. 137; p. 1038.
 Fire and water proof building material. M. G. Ray. No. 885,376; Apr. 21; Sp. p. 3531; Gaz. vol. 133; p. 1810.
 Fire and water proof composition. G. Kelly. No. 882,890; Mar. 24; Sp. p. 4775; Gaz. vol. 133; p. 879.
 Fire and water proof composition. G. Kelly. No. 882,891; Mar. 24; Sp. p. 4776; Gaz. vol. 133; p. 879.

Alphabetical list of inventions—Continued.

- Fire-boxes, Device for creating a central draft for. G. F. Pannebaker. No. 900,772; Oct. 13; Sp. p. 1497; Dr. pp. 303-4; Gaz. vol. 136; p. 1329.
- Fire-brick clamp and stove-top brace. F. Jones. No. 883,408; Mar. 31; Sp. p. 5843; Dr. p. 1246; Gaz. vol. 133; p. 1080.
- Fire-cracker. I. M. Bond. No. 901,317; Oct. 20; Sp. p. 2581; Dr. p. 531; Gaz. vol. 136; p. 1540.
- Fire-curtain. A. M. Fuller. No. 886,968; May 5; Sp. p. 1254; Dr. p. 265; Gaz. vol. 134; p. 208.
- Fire-damp, Preventing the liberation of. A. von Gröling. No. 906,872; Dec. 15; Sp. p. 3397; Gaz. vol. 137; p. 1606.
- Fire-door construction. C. J. Caley. No. 892,221; June 30; Sp. p. 6156; Dr. p. 1326; Gaz. vol. 134; p. 2170.
- Fire-door fastener. R. B. Lawrence. No. 884,937; Apr. 14; Sp. p. 2591; Dr. p. 547; Gaz. vol. 133; p. 1632.
- Fire-door-releasing device. J. V. Wise. No. 893,047; July 14; Sp. p. 1347; Dr. p. 284; Gaz. vol. 135; p. 249.
- Fire-door, Vertical folding. R. W. Hare. No. 889,005; May 26; Sp. p. 5407; Dr. pp. 1148-9; Gaz. vol. 134; p. 965.
- Fire-doors, &c., Ventilator for. A. H. Lowry. No. 900,402; Oct. 6; Sp. p. 693; Dr. p. 143; Gaz. vol. 136; p. 1182.
- Fire-engine, Chemical. T. Lerch and H. S. Clark. No. 880,676; Mar. 3; Sp. p. 370; Dr. p. 81; Gaz. vol. 133; p. 66.
- Fire-engine heater. W. F. Messiter. No. 889,476; June 2; Sp. p. 554; Dr. p. 136; Gaz. vol. 134; p. 1149.
- Fire-engine, Traction. W. H. Shafer. No. 876,404; Jan. 14; Sp. p. 1438; Dr. p. 309; Gaz. vol. 132; p. 267.
- Fire-engines, Emergency-cistern for. E. O'Sullivan. No. 901,733; Oct. 20; Sp. p. 3516; Dr. pp. 711-12; Gaz. vol. 136; p. 1681.
- Fire-engines, Means for electrically operating. G. A. Drake. No. 880,780; Mar. 3; Sp. p. 589; Dr. pp. 125-6; Gaz. vol. 133; p. 101.
- Fire-escape. E. Liberty. No. 876,004; Jan. 7; Sp. p. 616; Dr. pp. 131-2; Gaz. vol. 132; p. 108.
- Fire-escape. A. Reuter. No. 876,840; Jan. 14; Sp. p. 2332; Dr. p. 512; Gaz. vol. 132; p. 412.
- Fire-escape. W. R. Arnold. No. 876,893; Jan. 14; Sp. p. 2449; Dr. p. 533; Gaz. vol. 132; p. 431.
- Fire-escape. I. Nielsen. No. 877,363; Jan. 21; Sp. p. 3445; Dr. p. 747; Gaz. vol. 132; p. 628.
- Fire-escape. J. W. Campbell. No. 879,439; Feb. 18; Sp. p. 3178; Dr. pp. 661-2; Gaz. vol. 132; p. 1427.
- Fire-escape. J. W. Hull, Sr. No. 882,499; Mar. 17; Sp. p. 3970; Dr. p. 848; Gaz. vol. 133; p. 719.
- Fire-escape. E. L. Flovers. No. 883,104; Mar. 24; Sp. p. 5178; Dr. p. 1106; Gaz. vol. 133; p. 949.
- Fire-escape. J. J. Van Broekhoven. No. 887,550; May 12; Sp. p. 2486; Dr. p. 525; Gaz. vol. 134; p. 428.
- Fire-escape. G. E. Metter. No. 892,281; June 30; Sp. p. 6274; Dr. pp. 1350-1; Gaz. vol. 134; p. 2191.
- Fire-escape. M. Pike. No. 896,241; Aug. 18; Sp. p. 2894; Dr. p. 624; Gaz. vol. 135; p. 1420.
- Fire-escape. L. Jansoon. No. 896,548; Aug. 18; Sp. p. 3532; Dr. p. 759; Gaz. vol. 135; p. 1519.
- Fire-escape. G. Lebr. No. 897,634; Sept. 1; Sp. p. 799; Dr. pp. 168-9; Gaz. vol. 136; p. 127.
- Fire-escape. P. Goldmann. No. 898,874; Sept. 15; Sp. p. 3254; Dr. p. 696; Gaz. vol. 136; p. 591.
- Fire-escape. W. P. Huffman and D. L. Fry. No. 899,984; Sept. 29; Sp. p. 5476; Dr. p. 1166; Gaz. vol. 136; p. 1014.
- Fire-escape. G. L. Mueller. No. 908,024; Dec. 29; Sp. p. 5772; Gaz. vol. 137; p. 2050.
- Fire-escape, Automatic. F. Pyleck. No. 908,034; Dec. 29; Sp. p. 5792; Gaz. vol. 137; p. 2053.
- Fire-escape, Balcony. C. J. A. Hansen. No. 882,677; Mar. 24; Sp. p. 4349; Dr. p. 925; Gaz. vol. 133; p. 811.
- Fire-escape ladder. M. J. McArthur. No. 899,552; Sept. 29; Sp. p. 4566; Dr. p. 981; Gaz. vol. 136; p. 874.
- Fire-escape, Portable. B. M. C. Walter. No. 878,695; Feb. 11; Sp. p. 1705; Dr. p. 352; Gaz. vol. 132; p. 1147.
- Fire-escape, Portable. E. G. Gaillac. No. 890,898; June 16; Sp. p. 3457; Dr. p. 757; Gaz. vol. 134; p. 1671.
- Fire-escapes, Support for flexible. L. Ardengo. No. 899,371; Sept. 22; Sp. p. 4200; Dr. p. 899; Gaz. vol. 136; p. 779.
- Fire extinction, &c., Multiple-way valve applicable to devices for gaseous. T. A. Clayton. No. 878,772; Feb. 11; Sp. p. 1863; Dr. p. 384; Gaz. vol. 132; p. 1172.
- Fire-extinguisher. H. Sieben. No. 876,917; Jan. 14; Sp. p. 2499; Dr. p. 545; Gaz. vol. 132; p. 439.
- Fire-extinguisher. J. L. Hyde and O. P. Peterson. No. 878,437; Feb. 4; Sp. p. 1212; Dr. p. 250; Gaz. vol. 132; p. 1044.
- Fire-extinguisher. W. E. Luhman. No. 880,551; Mar. 3; Sp. p. 117; Dr. p. 26; Gaz. vol. 133; p. 24.
- Fire-extinguisher. W. A. Bradshaw. No. 881,893; Mar. 17; Sp. p. 2820; Dr. p. 602; Gaz. vol. 133; p. 522.
- Fire-extinguisher. J. C. Shafer. No. 883,149; Mar. 24; Sp. p. 5284; Dr. p. 1127; Gaz. vol. 133; p. 965.
- Fire-extinguisher. L. A. Harker. No. 887,392; May 12; Sp. p. 2179; Dr. p. 456; Gaz. vol. 134; p. 377.
- Fire-extinguisher. J. G. Mastin. No. 890,153; June 9; Sp. p. 1921; Dr. p. 424; Gaz. vol. 134; p. 1396.
- Fire-extinguisher. J. G. Mastin. No. 890,154; June 9; Sp. p. 1922; Dr. p. 424; Gaz. vol. 134; p. 1396.
- Fire-extinguisher. J. G. Mastin. No. 890,155; June 9; Sp. p. 1924; Dr. p. 424; Gaz. vol. 134; p. 1397.
- Fire-extinguisher. H. W. Eggleston. No. 893,153; July 14; Sp. p. 1561; Dr. p. 330; Gaz. vol. 135; p. 284.
- Fire-extinguisher. N. F. Matlock. No. 894,677; July 28; Sp. p. 4790; Dr. p. 995; Gaz. vol. 135; p. 835.
- Fire-extinguisher. E. T. Robinson. No. 897,017; Aug. 25; Sp. p. 4531; Dr. p. 969; Gaz. vol. 135; p. 1696.
- Fire-extinguisher. H. L. Carpenter. No. 899,952; Sept. 29; Sp. p. 5408; Dr. p. 1153; Gaz. vol. 136; p. 1004.
- Fire-extinguisher. J. Richard. No. 904,013; Nov. 17; Sp. p. 2999; Gaz. vol. 137; p. 547.
- Fire-extinguisher. D. W. Diggs. No. 905,298; Dec. 1; Sp. p. 328; Gaz. vol. 137; p. 1040.
- Fire-extinguisher. T. N. Burke. No. 908,201; Dec. 29; Sp. p. 6161; Gaz. vol. 137; p. 2110.
- Fire-extinguisher and alarm. C. M. Bowman. No. 883,856; Apr. 7; Sp. p. 376; Dr. p. 73; Gaz. vol. 133; p. 1251.
- Fire-extinguisher, Chemical. M. Breslau. No. 876,320; Jan. 14; Sp. p. 1256; Gaz. vol. 132; p. 241.
- Fire-extinguisher, Chemical. M. Breslau. No. 876,321; Jan. 14; Sp. p. 1257; Gaz. vol. 132; p. 241.
- Fire-extinguisher, Chemical. W. A. Harland. No. 894,636; July 28; Sp. p. 4706; Dr. p. 977; Gaz. vol. 135; p. 821.
- Fire-extinguisher, Chemical. P. L. Wilbur. No. 903,527; Nov. 10; Sp. p. 1987; Gaz. vol. 137; p. 357.
- Fire-extinguisher, Chemical. A. C. Badger. No. 906,185; Dec. 8; Sp. p. 2103; Gaz. vol. 137; p. 1361.
- Fire-extinguisher, Chemical. H. A. Giseke. No. 907,029; Dec. 15; Sp. p. 3678; Gaz. vol. 137; p. 1655.
- Fire-extinguisher, Destructible link or automatic. J. D. Farr. No. 900,673; Oct. 6; Sp. p. 1290; Dr. p. 263; Gaz. vol. 136; p. 1271.
- Fire-extinguisher, Portable. J. A. E. Anderson. No. 883,679; Mar. 31; Sp. p. 6386; Dr. p. 1362; Gaz. vol. 133; p. 1164.
- Fire-extinguishers, Acid-bottle cage for. J. M. Miller. No. 883,326; Mar. 31; Sp. p. 5652; Dr. p. 1206; Gaz. vol. 133; p. 1052.
- Fire-extinguishers, Bottle-holding cage for. J. F. Kelleher. No. 893,078; July 14; Sp. p. 1396; Dr. p. 295; Gaz. vol. 135; p. 259.
- Fire-extinguishers, Head for automatic. L. E. Fagan. No. 882,629; Mar. 24; Sp. p. 4256; Dr. p. 901; Gaz. vol. 133; p. 795.
- Fire-extinguishers, Sprinkler-head for automatic. M. K. Hopkins. No. 875,929; Jan. 7; Sp. p. 464; Dr. p. 100; Gaz. vol. 132; p. 83.
- Fire-extinguishers, Sprinkler-head for automatic. V. Lapham. No. 897,908; Sept. 8; Sp. p. 1375; Dr. p. 294; Gaz. vol. 136; p. 248.
- Fire-extinguishing apparatus. G. W. Hunt and J. Kinney. No. 879,966; Feb. 25; Sp. p. 4303; Dr. p. 900; Gaz. vol. 132; p. 1633.
- Fire-extinguishing apparatus. C. Howard. No. 881,076; Mar. 3; Sp. p. 1167; Dr. p. 252; Gaz. vol. 133; p. 199.
- Fire-extinguishing apparatus. J. G. and H. G. Robinson. No. 900,596; Oct. 6; Sp. p. 1117; Dr. p. 229; Gaz. vol. 136; p. 1245.
- Fire-extinguishing apparatus, Automatic. J. D. Farr. No. 900,840; Oct. 13; Sp. p. 1646; Dr. p. 333; Gaz. vol. 136; p. 1353.
- Fire-extinguishing cabinet. W. E. Luhman. No. 894,024; July 21; Sp. p. 3447; Dr. p. 705; Gaz. vol. 135; p. 600.
- Fire-extinguishing compound. C. Howard. No. 879,171; Feb. 18; Sp. p. 2643; Gaz. vol. 132; p. 1341.
- Fire-extinguishing compound, Antifreezing. M. Breslau. No. 894,585; July 28; Sp. p. 4600; Gaz. vol. 135; p. 804.
- Fire-extinguishing engine. W. R. Johnston. No. 881,129; Mar. 10; Sp. p. 1270; Dr. p. 274; Gaz. vol. 133; p. 245.
- Fire-extinguishing receptacles, Cover for. J. F. MacWilliam. No. 886,713; May 5; Sp. p. 774; Dr. p. 158; Gaz. vol. 134; p. 129.
- Fire-fighter, Prairie. W. F. Mikolasek. No. 903,394; Nov. 10; Sp. p. 1704; Gaz. vol. 137; p. 312.
- Fire-fighting apparatus. E. F. Sanford. No. 881,872; Mar. 10; Sp. p. 2756; Dr. pp. 590-1; Gaz. vol. 133; p. 487.
- Fire-fighting apparatus. E. F. Sanford. No. 881,873; Mar. 10; Sp. p. 2758; Dr. pp. 591-2; Gaz. vol. 133; p. 487.
- Fire-guard. C. H. Reeves. No. 878,563; Feb. 11; Sp. p. 1437; Dr. p. 293; Gaz. vol. 132; p. 1104.
- Fire-hose bridge. R. C. Groh. No. 886,798; May 5; Sp. p. 959; Dr. p. 200; Gaz. vol. 134; p. 156.
- Fire-hose pipe and analogous tubing, Automatic machine for winding. E. D. C. Bayne and L. A. Subers. No. 897,339; Sept. 1; Sp. p. 182; Dr. p. 39; Gaz. vol. 136; p. 27.
- Fire-hose washer. S. Cunningham. No. 876,301; Jan. 7; Sp. p. 1218; Dr. p. 266; Gaz. vol. 132; p. 204.
- Fire-igniters, Apparatus for impregnating. L. Bernard. No. 877,037; Jan. 21; Sp. p. 2796; Dr. pp. 603-4; Gaz. vol. 132; p. 522.
- Fire indicating system and extinguisher, Marine. W. Rich. No. 892,088; June 30; Sp. p. 5885; Dr. p. 1267; Gaz. vol. 134; p. 2124.
- Fire-kindler. J. H. Pelham. No. 876,227; Jan. 7; Sp. p. 1055; Dr. p. 228; Gaz. vol. 132; p. 178.
- Fire-kindler, Automatic. S. F. Bates. No. 903,828; Nov. 17; Sp. p. 2605; Gaz. vol. 137; p. 484.
- Fire-nozzle attachment for valves. J. D. Schierloh. No. 899,330; Sept. 22; Sp. p. 4127; Dr. p. 883; Gaz. vol. 136; p. 766.
- Fire-pail, Chemical. J. G. Mastin. No. 886,385; May 5; Sp. p. 86; Dr. p. 17; Gaz. vol. 134; p. 19.
- Fire-plug and collapsible joint. H. W. Martin. No. 891,279; June 23; Sp. p. 4238; Dr. p. 928; Gaz. vol. 134; p. 1828.
- Fire-pot or lining. E. G. Germer. No. 900,011; Sept. 29; Sp. p. 5536; Dr. p. 1180; Gaz. vol. 136; p. 1023.
- Fire-pot, Sectional. P. Baty and J. H. Perry. No. 903,534; Nov. 10; Sp. p. 2001; Gaz. vol. 137; p. 359.
- Fire, Protective device against the spread of. C. A. Pusheck. No. 895,680; Aug. 11; Sp. p. 1805; Dr. p. 384; Gaz. vol. 135; p. 1217.
- Fire, Protective device against the spread of. C. A. Pusheck. No. 903,228; Nov. 10; Sp. p. 1939; Gaz. vol. 137; p. 258.
- Fire-protective shield. D. S. Watson. No. 900,243; Oct. 6; Sp. p. 347; Dr. p. 73; Gaz. vol. 136; p. 1129.
- Fire-protective system. T. H. Walker. No. 881,271; Mar. 10; Sp. p. 1551; Dr. p. 334; Gaz. vol. 133; p. 292.
- Fire-resisting curtain. E. H. McCloud. No. 899,460; Sept. 22; Sp. p. 4354; Dr. pp. 934-5; Gaz. vol. 136; p. 806.
- Fire-resisting shutter and slat thereof, Flexible. E. H. McCloud. No. 897,990; Sept. 8; Sp. p. 1557; Dr. p. 330; Gaz. vol. 136; p. 276.
- Fire-resisting shutter or curtain. A. Rush. No. 883,834; Apr. 7; Sp. p. 328; Dr. p. 62; Gaz. vol. 133; p. 1244.
- Fire-resisting structure. D. C. Meehan. No. 877,354; Jan. 21; Sp. p. 3425; Dr. p. 743; Gaz. vol. 132; p. 625.

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- Fire-shield. D. S. Watson. No. 889,737; June 2; Sp. p. 1072; Dr. pp. 247-8; Gaz. vol. 134; p. 1232.
 Fire-shutter, Automatic. E. H. McCloud. No. 881,256; Mar. 10; Sp. p. 1526; Dr. p. 328; Gaz. vol. 133; p. 288.
 Fire-starter. L. C. Hermann. No. 884,583; Apr. 14; Sp. p. 1846; Dr. pp. 396-7; Gaz. vol. 133; p. 1518.
 Fire-starter. G. H. Fisher. No. 894,822; Aug. 4; Sp. p. 44; Dr. p. 9; Gaz. vol. 135; p. 907.
 Fire-tank. J. W. Kane. No. 907,504; Dec. 22; Sp. p. 4654; Gaz. vol. 137; p. 1850.
 Fire-truck signal. J. Kenlon. No. 889,690; June 2; Sp. p. 986; Dr. p. 228; Gaz. vol. 134; p. 1217.
 Fire-tube boiler. G. Koch. No. 880,672; Mar. 3; Sp. p. 365; Dr. p. 80; Gaz. vol. 133; p. 64.
 Fire, Water distribution for the prevention of. G. M. Newhall. No. 876,222; Jan. 7; Sp. p. 1048; Dr. p. 226; Gaz. vol. 132; p. 176.
 Fires, Water-storage system for use in extinguishing. L. H. Sondheim. No. 906,320; Dec. 8; Sp. p. 2366; Gaz. vol. 137; p. 1406.
 Firing mechanism, Automatic. K. Völler. No. 887,713; May 12; Sp. p. 2782; Dr. pp. 587-8; Gaz. vol. 134; p. 482.
 Firing of self-loading arms, Device for automatic. S. H. Bang. No. 901,143; Oct. 13; Sp. p. 2236; Dr. pp. 454-5; Gaz. vol. 136; p. 1449.
 Firing-pin, Safety. J. H. Wesson. No. 897,806; Sept. 1; Sp. p. 1153; Dr. p. 246; Gaz. vol. 136; p. 183.
 Firearm. H. H. Talbot. No. 882,594; Mar. 24; Sp. p. 4178; Dr. pp. 886-7; Gaz. vol. 133; p. 783.
 Firearm. A. Fyrberg. No. 887,784; May 19; Sp. p. 2949; Dr. p. 620; Gaz. vol. 134; p. 535.
 Firearm. J. C. White. No. 888,560; May 26; Sp. p. 4476; Dr. pp. 948-9; Gaz. vol. 134; p. 820.
 Firearm. B. F. Langdon. No. 889,243; June 2; Sp. p. 98; Dr. pp. 22-3; Gaz. vol. 134; p. 1074.
 Firearm. A. P. Brush. No. 891,401; June 23; Sp. p. 4500; Dr. p. 979; Gaz. vol. 134; p. 1869.
 Firearm. A. E. Lard. No. 896,997; Aug. 25; Sp. p. 4488; Dr. p. 958; Gaz. vol. 135; p. 1689.
 Firearm. J. W. Price. No. 898,988; Sept. 15; Sp. p. 3454; Dr. p. 740; Gaz. vol. 136; p. 628.
 Firearm. R. T. Torkelson. No. 903,919; Nov. 17; Sp. p. 2820; Gaz. vol. 137; p. 516.
 Firearm. U. Marga. No. 908,294; Dec. 29; Sp. p. 6329; Gaz. vol. 137; p. 2141.
 Firearm aiming device. C. Williams. No. 883,267; Mar. 31; Sp. p. 5542; Dr. p. 1182; Gaz. vol. 133; p. 1034.
 Firearm attachment. F. Klousnitzer. No. 880,310; Feb. 25; Sp. p. 4989; Dr. p. 1053; Gaz. vol. 132; p. 1746.
 Firearm, Automatic. S. Mangle. No. 896,453; Aug. 18; Sp. p. 3328; Dr. pp. 716-17; Gaz. vol. 135; p. 1488.
 Firearm, Automatic. W. J. Whiting. No. 896,496; Aug. 18; Sp. p. 3421; Dr. pp. 736-7; Gaz. vol. 135; p. 1503.
 Firearm, Automatic. C. L. H. Prinke. No. 904,646; Nov. 24; Sp. p. 4337; Gaz. vol. 137; p. 788.
 Firearm, Automatic magazine-. C. W. Louis. No. 900,865; Oct. 13; Sp. p. 1685; Dr. pp. 341-2; Gaz. vol. 136; p. 1360.
 Firearm cylinder-lock. A. C. Wright. No. 907,670; Dec. 22; Sp. p. 5046; Gaz. vol. 137; p. 1904.
 Firearm, Hand-. K. A. Bräuning. No. 884,065; Apr. 7; Sp. p. 796; Dr. pp. 167-8; Gaz. vol. 133; p. 1321.
 Firearm-indicator. J. J. Peard. No. 891,438; June 23; Sp. p. 4564; Dr. p. 993; Gaz. vol. 134; p. 1880.
 Firearm-magazine. A. W. Savage. No. 885,868; Apr. 28; Sp. p. 4525; Dr. p. 949; Gaz. vol. 133; p. 1995.
 Firearm, Non-recoiling. L. Mertens. No. 891,778; June 23; Sp. p. 5263; Dr. p. 1140; Gaz. vol. 134; p. 1994.
 Firearm, Recoil-operated. B. Clarus. No. 898,038; Sept. 8; Sp. p. 1656; Dr. pp. 352-3; Gaz. vol. 136; p. 290.
 Firearm, Repeating. L. L. Hepburn. No. 882,561; Mar. 24; Sp. p. 4113; Dr. pp. 872-3; Gaz. vol. 133; p. 772.
 Firearm, Repeating. L. L. Hepburn. No. 882,562; Mar. 24; Sp. p. 4117; Dr. p. 873; Gaz. vol. 133; p. 773.
 Firearm, Repeating. L. L. Hepburn. No. 882,563; Mar. 24; Sp. p. 4118; Dr. p. 873; Gaz. vol. 133; p. 773.
 Firearm, Repeating. L. L. Hepburn. No. 883,020; Mar. 24; Sp. p. 5025; Dr. p. 1069; Gaz. vol. 133; p. 922.
 Firearm, Repeating. M. Hepburn. No. 888,329; May 19; Sp. p. 3980; Dr. p. 839; Gaz. vol. 134; p. 711.
 Firearm, Repeating. L. L. Hepburn. (Reissue.) No. 12,823; July 7; Sp. p. 1169; Dr. p. 246; Gaz. vol. 135; p. 197.
 Firearm-sight. F. A. Schanz. No. 889,551; June 2; Sp. p. 722; Dr. p. 166; Gaz. vol. 134; p. 1173.
 Firearm-sight. F. Phillips. No. 893,649; July 21; Sp. p. 2589; Dr. pp. 539-40; Gaz. vol. 135; p. 475.
 Firearm-sight. E. R. Tufts. No. 898,531; Sept. 15; Sp. p. 2605; Dr. p. 556; Gaz. vol. 136; p. 480.
 Firearm-sight. E. R. Tufts. No. 898,532; Sept. 15; Sp. p. 2606; Dr. p. 556; Gaz. vol. 136; p. 480.
 Firearm sight device. A. Swasey. No. 906,751; Dec. 15; Sp. p. 3167; Gaz. vol. 137; p. 1568.
 Firearm sighting apparatus. M. Klingler. No. 904,880; Nov. 24; Sp. p. 4852; Gaz. vol. 137; p. 867.
 Firearm, Silent. H. P. Maxim. No. 880,386; Feb. 25; Sp. p. 5132; Dr. p. 1084; Gaz. vol. 132; p. 1770.
 Firearm, Slaughter-house. G. L. Derriman. No. 894,774; July 28; Sp. p. 4953; Dr. p. 1033; Gaz. vol. 135; p. 865.
 Firearm with drop-down barrel. F. Stendebach. No. 895,057; Aug. 4; Sp. p. 565; Dr. p. 116; Gaz. vol. 135; p. 987.
 Firearms, Automatic shell-ejector for. A. J. Aubrey. No. 887,569; May 12; Sp. p. 2525; Dr. p. 532; Gaz. vol. 134; p. 435.
 Firearms, Cleaner-rod for. L. Suva. No. 883,985; Apr. 7; Sp. p. 646; Dr. p. 130; Gaz. vol. 133; p. 1295.
 Firearms, Combined grip and sight for. C. C. Bourne. No. 888,178; Sept. 8; Sp. p. 1933; Dr. p. 413; Gaz. vol. 136; p. 335.
 Firearms, Firing-pin-locking device for. G. H. Tansy. No. 891,510; June 23; Sp. p. 4711; Dr. p. 1020; Gaz. vol. 134; p. 1904.
 Firearms, Fore-stock fastener for. A. J. Aubrey. No. 887,568; May 12; Sp. p. 2524; Dr. p. 532; Gaz. vol. 134; p. 435.
 Firearms, Front sight for. J. E. Thompson. No. 882,182; Mar. 17; Sp. p. 3403; Dr. p. 723; Gaz. vol. 133; p. 616.
 Firearms on attaining a predetermined elevation, Apparatus for the automatic discharge of. T. Manciu. No. 877,850; Jan. 28; Sp. p. 4391; Dr. p. 956; Gaz. vol. 132; p. 805.
 Firearms, Target-practice attachment for. J. M. Clark, 3d. No. 882,551; Mar. 24; Sp. p. 4093; Dr. p. 869; Gaz. vol. 133; p. 769.
 Firearms to supports, Clasp for fastening. H. Renfors and R. Lindgren. No. 899,617; Sept. 29; Sp. p. 4704; Dr. pp. 1007-8; Gaz. vol. 136; p. 896.
 Firemen with fresh air, Device for supplying. P. H. Sullivan. No. 898,524; Sept. 15; Sp. p. 2590; Dr. p. 553; Gaz. vol. 136; p. 478.
 Fireplace. H. M. Walker. No. 876,670; Jan. 14; Sp. p. 2032; Dr. p. 443; Gaz. vol. 132; p. 361.
 Fireplace, Electric. A. D. Rathbone. No. 902,003; Oct. 27; Sp. p. 4064; Dr. p. 824; Gaz. vol. 136; p. 1798.
 Fireplace-frame wiring device. W. G. Taylor. No. 904,374; Nov. 17; Sp. p. 3767; Gaz. vol. 137; p. 671.
 Fireplace or stove. E. C. L. Close. No. 876,692; Jan. 14; Sp. p. 2081; Dr. p. 452; Gaz. vol. 132; p. 368.
 Fireplace-screen. C. E. Mitchell. No. 877,940; Feb. 4; Sp. p. 95; Dr. pp. 21-2; Gaz. vol. 132; p. 864.
 Fireplace screen, Open-. H. N. L. Sherman and F. M. Lawrence. No. 884,222; Apr. 7; Sp. p. 1144; Dr. p. 240; Gaz. vol. 133; p. 1372.
 Fireproof and protecting garment. E. Ball. No. 875,976; Jan. 7; Sp. p. 565; Dr. p. 121; Gaz. vol. 132; p. 99.
 Fireproof attachment for vaults. T. M. Brintnall and N. R. Doolittle. No. 902,050; Oct. 27; Sp. p. 4153; Dr. p. 841; Gaz. vol. 136; p. 1812.
 Fireproof blind. H. E. Vance. No. 880,701; Mar. 3; Sp. p. 413; Dr. p. 89; Gaz. vol. 133; p. 74.
 Fireproof building. F. W. Graszynski. No. 876,171; Jan. 7; Sp. p. 943; Dr. pp. 162-3; Gaz. vol. 132; p. 160.
 Fireproof building, Cement. P. Timofeeff. No. 878,912; Feb. 11; Sp. p. 2127; Gaz. vol. 132; p. 1216.
 Fireproof building construction. C. Collins. No. 878,275; Feb. 4; Sp. p. 782; Dr. p. 156; Gaz. vol. 132; p. 974.
 Fireproof building construction. C. Collins. No. 878,276; Feb. 4; Sp. p. 784; Dr. p. 157; Gaz. vol. 132; p. 975.
 Fireproof building construction. C. Collins. No. 885,439; Apr. 21; Sp. p. 3641; Dr. p. 764; Gaz. vol. 133; p. 1829.
 Fireproof building construction. C. Collins. No. 892,225; June 30; Sp. p. 6163; Dr. p. 1328; Gaz. vol. 134; p. 2171.
 Fireproof-building floor and ceiling construction. L. Hermann. No. 897,253; Aug. 25; Sp. p. 5095; Dr. p. 1063; Gaz. vol. 135; p. 1777.
 Fireproof construction. A. P. S. and P. Wohlpart. No. 902,357; Oct. 27; Sp. p. 4797; Dr. p. 969; Gaz. vol. 136; p. 1913.
 Fireproof door. J. A. Wheeler. No. 876,121; Jan. 7; Sp. p. 850; Dr. p. 182; Gaz. vol. 132; p. 145.
 Fireproof door. J. O. Emrich. No. 876,787; Jan. 14; Sp. p. 2234; Dr. p. 491; Gaz. vol. 132; p. 396.
 Fireproof door. F. J. Anquist. No. 888,863; May 26; Sp. p. 5116; Dr. pp. 1090-1; Gaz. vol. 134; p. 918.
 Fireproof door. F. Bogenberger. No. 893,131; July 14; Sp. p. 1510; Dr. p. 317; Gaz. vol. 135; p. 277.
 Fireproof door. P. Ebner. No. 894,373; July 28; Sp. p. 4176; Dr. p. 862; Gaz. vol. 135; p. 734.
 Fireproof door. T. P. Shean. No. 896,068; Aug. 11; Sp. p. 2578; Dr. p. 560; Gaz. vol. 135; p. 1342.
 Fireproof fabric, Flexible. J. E. Meek. No. 906,252; Dec. 8; Sp. p. 2236; Gaz. vol. 137; p. 1383.
 Fireproof floor construction. E. Ufenast. No. 895,605; Aug. 11; Sp. p. 1659; Dr. p. 350; Gaz. vol. 135; p. 1193.
 Fireproof floor constructions, Centering for. G. B. Waite. No. 883,434; Mar. 31; Sp. p. 5905; Dr. p. 1260; Gaz. vol. 133; p. 1089.
 Fireproof gravity-sash. F. F. Smith. No. 883,054; Mar. 24; Sp. p. 5084; Dr. pp. 1085-6; Gaz. vol. 133; p. 932.
 Fireproof metal window-frame. F. Lyster. No. 899,227; Sept. 22; Sp. p. 3917; Dr. p. 836; Gaz. vol. 136; p. 733.
 Fireproof roofing-tile. E. J. Winslow. No. 881,522; Mar. 10; Sp. p. 2049; Dr. p. 445; Gaz. vol. 133; p. 373.
 Fireproof shutter. J. Cahill. No. 874,341; Feb. 4; Sp. p. 917; Dr. p. 183; Gaz. vol. 132; p. 996.
 Fireproof shutter. H. L. Turner. No. 896,176; Aug. 18; Sp. p. 2764; Dr. p. 595; Gaz. vol. 135; p. 1396.
 Fireproof structure. A. L. A. Himmelwright. No. 904,535; Nov. 24; Sp. p. 4118; Gaz. vol. 137; p. 751.
 Fireproof wall and partition. J. D. Sullivan. No. 876,605; Jan. 14; Sp. p. 1898; Dr. p. 414; Gaz. vol. 132; p. 338.
 Fireproof-window construction. E. H. Lunken and C. M. Conklin. No. 897,297; Sept. 1; Sp. p. 53; Dr. p. 13; Gaz. vol. 136; p. 12.
 Fireproof window construction. E. H. Lunken and C. M. Conklin. No. 902,979; Nov. 3; Sp. p. 891; Gaz. vol. 137; p. 149.
 Fireproof window construction. C. M. Conklin and E. H. Lunken. No. 903,058; Nov. 3; Sp. p. 1056; Gaz. vol. 137; p. 173.
 Fireproof window fastener. C. H. and H. L. W. Hopmann. No. 897,742; Sept. 1; Sp. p. 1011; Dr. p. 215; Gaz. vol. 136; p. 163.
 Fireproof window-sash. G. M. Voltz. No. 876,113; Jan. 7; Sp. p. 838; Dr. p. 179; Gaz. vol. 132; p. 142.
 Fish-bait. J. Hansen. No. 879,869; Feb. 25; Sp. p. 4089; Dr. p. 858; Gaz. vol. 132; p. 1600.
 Fish-bait. H. D. Klein. No. 881,805; Mar. 10; Sp. p. 2602; Dr. p. 559; Gaz. vol. 133; p. 464.
 Fish-bait. J. B. Fischer. No. 906,519; Dec. 15; Sp. p. 2728; Gaz. vol. 137; p. 1495.
 Fish bait or lure. H. W. Buschemeyer. No. 887,765; May 19; Sp. p. 2905; Dr. p. 613; Gaz. vol. 134; p. 528.

Alphabetical list of inventions—Continued.

- Fish bait or lure. W. Shakespeare, Jr. No. 893,664; July 21; Sp. p. 2622; Dr. p. 549; Gaz. vol. 135; p. 481.
 Fish-drying apparatus. J. Urquhart. No. 886,094; Apr. 28; Sp. p. 4999; Dr. p. 1052; Gaz. vol. 133; p. 2070.
 Fish during long periods of transport or in store, Preserving live. F. Kleinschmidt. No. 899,057; Sept. 22; Sp. p. 3581; Dr. p. 767; Gaz. vol. 136; p. 677.
 Fish-hook. L. Biersach. No. 875,684; Jan. 7; Sp. p. 15; Dr. p. 3; Gaz. vol. 132; p. 5.
 Fish-hook. J. R. Callahan. No. 875,777; Jan. 7; Sp. p. 197; Dr. p. 42; Gaz. vol. 132; p. 36.
 Fish-hook. J. G. Henzel. No. 882,882; Mar. 24; Sp. p. 4766; Dr. p. 1014; Gaz. vol. 133; p. 877.
 Fish-hook. E. L. Gilmore. No. 886,794; May 5; Sp. p. 953; Dr. p. 199; Gaz. vol. 134; p. 155.
 Fish-hook. A. F. Bingenheimer. No. 889,505; June 2; Sp. p. 635; Dr. p. 148; Gaz. vol. 134; p. 1158.
 Fish-hook. L. Y. Williams. No. 893,046; July 14; Sp. p. 1346; Dr. p. 284; Gaz. vol. 135; p. 249.
 Fish-hook. E. H. Buterbaugh. No. 893,304; July 14; Sp. p. 1848; Dr. p. 387; Gaz. vol. 135; p. 333.
 Fish-hook. M. Greer. No. 906,792; Dec. 15; Sp. p. 3236; Gaz. vol. 137; p. 1581.
 Fish-hook attachment. C. Murphy. No. 877,793; Jan. 28; Sp. p. 4287; Dr. p. 931; Gaz. vol. 132; p. 787.
 Fish-hook guard. C. R. Carpenter. No. 889,356; June 2; Sp. p. 319; Dr. p. 75; Gaz. vol. 134; p. 1110.
 Fish-hook releaser. O. F. Immell. No. 892,730; July 7; Sp. p. 666; Dr. p. 141; Gaz. vol. 135; p. 115.
 Fish-line float. J. S. Denning. No. 878,362; Feb. 4; Sp. p. 952; Dr. p. 191; Gaz. vol. 132; p. 1003.
 Fish-plate. J. Pawolowski. No. 891,288; June 23; Sp. p. 4252; Dr. p. 931; Gaz. vol. 134; p. 1831.
 Fish-plate. G. Wendling. No. 897,945; Sept. 8; Sp. p. 1468; Dr. p. 312; Gaz. vol. 136; p. 261.
 Fish-plate. W. H. Carlin. No. 897,961; Sept. 8; Sp. p. 1508; Dr. p. 319; Gaz. vol. 136; p. 266.
 Fish scaling and cleaning machine. G. P. Yeakel. No. 878,174; Feb. 4; Sp. p. 593; Dr. pp. 121-2; Gaz. vol. 132; p. 941.
 Fish-scaling device. M. W. Grosser. No. 901,805; Oct. 20; Sp. p. 3659; Dr. p. 741; Gaz. vol. 136; p. 1704.
 Fish-screen. J. R. Grant. No. 886,797; May 5; Sp. p. 958; Dr. p. 200; Gaz. vol. 134; p. 155.
 Fish stringer or holder. O. C. Guilford. No. 878,626; Feb. 11; Sp. p. 1588; Dr. p. 322; Gaz. vol. 132; p. 1125.
 Fish-trap. A. Murdoch. No. 878,820; Feb. 11; Sp. p. 1950; Dr. p. 403; Gaz. vol. 132; p. 1187.
 Fish-trap. J. W. Angel. No. 879,136; Feb. 18; Sp. p. 2567; Dr. p. 534; Gaz. vol. 132; p. 1327.
 Fish-trap. R. E. Allday. No. 879,432; Feb. 18; Sp. p. 3163; Dr. p. 658; Gaz. vol. 132; p. 1425.
 Fish-trap. N. A. Akerman. No. 885,311; Apr. 21; Sp. p. 3389; Dr. pp. 708-9; Gaz. vol. 133; p. 1788.
 Fish-trap. J. R. Williams. No. 885,412; Apr. 21; Sp. p. 3599; Dr. p. 755; Gaz. vol. 133; p. 1821.
 Fish-trap. J. H. Crowson. No. 887,232; May 12; Sp. p. 1783; Dr. p. 375; Gaz. vol. 134; p. 320.
 Fish-trap. E. F. Dollar. No. 894,196; July 28; Sp. p. 3806; Dr. p. 788; Gaz. vol. 135; p. 676.
 Fish-trap. W. L. Connevey. No. 897,589; Sept. 1; Sp. p. 714; Dr. p. 150; Gaz. vol. 136; p. 113.
 Fish-trap. J. R. Heckman. No. 897,897; Sept. 8; Sp. p. 1347; Dr. p. 288; Gaz. vol. 136; p. 244.
 Fish-trap. J. R. Heckman. No. 897,898; Sept. 8; Sp. p. 1351; Dr. p. 289; Gaz. vol. 136; p. 245.
 Fish-trap. T. Morgan. No. 899,457; Sept. 22; Sp. p. 4347; Dr. p. 933; Gaz. vol. 136; p. 806.
 Fish, Vehicle for transporting live. F. J. Rochow. No. 881,488; Mar. 10; Sp. p. 1991; Dr. pp. 434-5; Gaz. vol. 133; p. 362.
 Fisherman's fly and bait hook. H. J. Frost. No. 891,055; June 16; Sp. p. 3797; Dr. pp. 828-9; Gaz. vol. 134; p. 1724.
 Fisherman's type. C. S. Ruggles. No. 880,045; Feb. 25; Sp. p. 4467; Dr. p. 938; Gaz. vol. 132; p. 1659.
 Fishing apparatus. S. E. Gladding. No. 879,863; Feb. 25; Sp. p. 4083; Dr. p. 856; Gaz. vol. 132; p. 1599.
 Fishing-creel attachment. H. D. Jones. No. 893,509; July 14; Sp. p. 2281; Dr. p. 479; Gaz. vol. 135; p. 400.
 Fishing device. J. B. Welch and C. W. Wheatley. No. 900,139; Oct. 6; Sp. p. 140; Dr. p. 29; Gaz. vol. 136; p. 1095.
 Fishing device, Automatic. J. H. Darnell and W. F. Kimble. No. 891,044; June 16; Sp. p. 3767; Dr. pp. 822-3; Gaz. vol. 134; p. 1720.
 Fishing-float. M. E. Loehr. No. 885,627; Apr. 21; Sp. p. 4015; Dr. p. 839; Gaz. vol. 133; p. 1886.
 Fishing-float. W. von Rosenberg, Jr. No. 898,784; Sept. 15; Sp. p. 3091; Dr. p. 662; Gaz. vol. 136; p. 561.
 Fishing-fly holder. W. R. Newsome. No. 885,511; Apr. 21; Sp. p. 3764; Dr. p. 792; Gaz. vol. 133; p. 1851.
 Fishing-line-drying reel. P. T. Keefe. No. 877,200; Jan. 21; Sp. p. 3129; Dr. p. 679; Gaz. vol. 132; p. 576.
 Fishing-line-drying reel. C. L. Fowle. No. 886,690; May 5; Sp. p. 714; Dr. p. 146; Gaz. vol. 134; p. 120.
 Fishing-pole. P. Piper. No. 902,447; Oct. 27; Sp. p. 4980; Dr. p. 1006; Gaz. vol. 136; p. 1942.
 Fishing-reel. H. F. Crandall. No. 875,694; Jan. 7; Sp. p. 30; Dr. p. 6; Gaz. vol. 132; p. 8.
 Fishing-reel. F. Dummig. No. 883,100; Mar. 24; Sp. p. 5173; Dr. p. 1105; Gaz. vol. 133; p. 948.
 Fishing-reel. F. Schreidt. No. 889,974; June 9; Sp. p. 1550; Dr. pp. 349-50; Gaz. vol. 134; p. 1335.
 Fishing-reel. L. F. Douglass. No. 890,892; June 16; Sp. p. 3446; Dr. p. 755; Gaz. vol. 134; p. 1669.
 Fishing-reel. H. F. Crandall. No. 892,137; June 30; Sp. p. 5987; Dr. pp. 1286-7; Gaz. vol. 134; p. 2142.
 Fishing-reel. G. E. Matts. No. 900,563; Oct. 6; Sp. p. 1059; Dr. pp. 217-18; Gaz. vol. 136; p. 1235.
 Fishing-reel. B. A. Flynn and F. C. Rothenberger. No. 900,842; Oct. 13; Sp. p. 1650; Dr. p. 334; Gaz. vol. 136; p. 1354.
 Fishing-reel. C. H. Gaskins. No. 901,609; Oct. 20; Sp. p. 3223; Dr. p. 661; Gaz. vol. 136; p. 1638.
 Fishing-reel. V. R. Roberts. No. 904,016; Nov. 17; Sp. p. 3003; Gaz. vol. 137; p. 548.
 Fishing-reel. C. D. Rider. No. 905,585; Dec. 1; Sp. p. 954; Gaz. vol. 137; p. 1135.
 Fishing-reel spool. W. Shakespeare, Jr. No. 879,420; Feb. 18; Sp. p. 3142; Dr. p. 654; Gaz. vol. 132; p. 1422.
 Fishing-rod. J. W. Eshnaur. No. 888,075; May 19; Sp. p. 3512; Dr. p. 734; Gaz. vol. 134; p. 630.
 Fishing-rod. J. E. Hostetter and G. N. Worst. No. 895,372; Aug. 4; Sp. p. 1189; Dr. p. 250; Gaz. vol. 135; p. 1093.
 Fishing-rod reel-clamp. J. L. Smith. No. 887,437; May 12; Sp. p. 2263; Dr. p. 474; Gaz. vol. 134; p. 391.
 Fishing-rod reel-clamp. J. Heddon. No. 905,428; Dec. 1; Sp. p. 642; Gaz. vol. 137; p. 1086.
 Fishing-rod tip. F. A. Smith. No. 899,914; Sept. 29; Sp. p. 5309; Dr. p. 1135; Gaz. vol. 136; p. 991.
 Fishing-rod trimming. W. R. Wheeler. No. 878,757; Feb. 11; Sp. p. 1829; Dr. p. 378; Gaz. vol. 132; p. 1167.
 Fishing-tackle. B. F. Flegel. No. 881,850; Mar. 10; Sp. p. 2693; Dr. p. 576; Gaz. vol. 133; p. 479.
 Fishing-tackle. J. H. O'Brien. No. 895,493; Aug. 11; Sp. p. 1445; Dr. p. 303; Gaz. vol. 135; p. 1156.
 Fishing-tackle, Automatic. H. A. Schmidt. No. 876,732; Jan. 14; Sp. p. 2137; Dr. p. 469; Gaz. vol. 132; p. 379.
 Fishing-tackle holder. M. M. Schaney. No. 891,103; June 16; Sp. p. 3870; Dr. p. 846; Gaz. vol. 134; p. 1738.
 Fishing-tackle sinker. E. A. Pfueger. No. 883,048; Mar. 24; Sp. p. 5077; Dr. p. 1083; Gaz. vol. 133; p. 931.
 Fishing-tool. W. H. Button and E. Dyer. No. 879,812; Feb. 18; Sp. p. 3930; Dr. p. 824; Gaz. vol. 132; p. 1548.
 Fishing, Trawling-net for use in herring or other. J. A. Garms. No. 880,069; Feb. 25; Sp. p. 4509; Dr. p. 948; Gaz. vol. 132; p. 1666.
 Fixing and washing tank. G. H. Scheer. No. 900,431; Oct. 6; Sp. p. 759; Dr. p. 156; Gaz. vol. 136; p. 1192.
 Flag-ring. H. F. Schwartz. No. 906,744; Dec. 15; Sp. p. 3150; Gaz. vol. 137; p. 1566.
 Flag-signal and case, Locomotive. J. P. Lyon. No. 877,935; Feb. 4; Sp. p. 79; Dr. p. 16; Gaz. vol. 132; p. 862.
 Flakes, Coated. F. Lauhoff. No. 901,455; Oct. 20; Sp. p. 2917; Dr. pp. 594-5; Gaz. vol. 136; p. 1589.
 Flange. P. Bynum. No. 889,759; June 2; Sp. p. 1115; Dr. p. 259; Gaz. vol. 134; p. 1238.
 Flange-lubricating device. J. C. Martin. No. 887,680; May 12; Sp. p. 2727; Dr. pp. 576-7; Gaz. vol. 134; p. 471.
 Flange-making process. J. H. Taylor. No. 879,925; Feb. 25; Sp. p. 4231; Dr. p. 884; Gaz. vol. 132; p. 1621.
 Flanging-machine. C. Stecher. No. 877,135; Jan. 21; Sp. p. 2988; Dr. pp. 646-7; Gaz. vol. 132; p. 553.
 Flanging-machine. C. W. Sievert. No. 905,376; Dec. 1; Sp. p. 497; Gaz. vol. 137; p. 1068.
 Flash-light device. A. Robbins. No. 904,362; Nov. 17; Sp. p. 3477; Gaz. vol. 137; p. 666.
 Flashing apparatus, Sign-. G. Wesley. No. 892,477; July 7; Sp. p. 167; Dr. pp. 35-6; Gaz. vol. 135; p. 33.
 Flashback-stop. D. O'Keefe. No. 879,577; Feb. 18; Sp. p. 3470; Dr. p. 728; Gaz. vol. 132; p. 1473.
 Flask: See Molder's flask.
 Flask-clamp. R. E. Munn. No. 888,185; May 19; Sp. p. 3721; Dr. p. 778; Gaz. vol. 134; p. 665.
 Flask hinge and pin corner, Foundry-. W. Hales. No. 896,380; Aug. 18; Sp. p. 3190; Dr. p. 684; Gaz. vol. 135; p. 1464.
 Flasks, Attachment for vibrating devices for molding-. J. S. Perry and A. L. Stevens. No. 907,641; Dec. 22; Sp. p. 4964; Gaz. vol. 137; p. 1894.
 Flasks, Hinged match-plate for. L. W. Van Cleave and G. O. Dewey. No. 898,158; Sept. 8; Sp. p. 1888; Dr. p. 404; Gaz. vol. 136; p. 328.
 Flat-bed and rotary press, Combined. H. F. Bechman. No. 894,574; July 28; Sp. p. 4584; Dr. p. 950; Gaz. vol. 135; p. 801.
 Flat-iron. F. A. Bonroe. No. 899,200; Sept. 22; Sp. p. 3870; Dr. p. 827; Gaz. vol. 136; p. 725.
 Flat-iron and conductor, Electric. F. E. Oswald. No. 888,843; May 26; Sp. p. 5080; Dr. p. 1084; Gaz. vol. 134; p. 911.
 Flat-irons, Heat-retaining cover for. F. M. B. Watkins. No. 880,942; Mar. 3; Sp. p. 919; Dr. p. 198; Gaz. vol. 133; p. 155.
 Flavoring compound. J. M. Stukes. No. 877,806; Jan. 28; Sp. p. 4307; Gaz. vol. 132; p. 791.
 Flax-pulling machine. E. McCauley. No. 891,362; June 23; Sp. p. 4418; Dr. pp. 961-2; Gaz. vol. 134; p. 1855.
 Fleece ribbed web. R. W. Scott. No. 881,494; Mar. 10; Sp. p. 2000; Dr. p. 436; Gaz. vol. 133; p. 363.
 Flething apparatus. L. Rupp. No. 882,270; Mar. 17; Sp. p. 3576; Dr. p. 759; Gaz. vol. 133; p. 644.
 Flething-machine. L. Rupp. No. 899,233; Sept. 22; Sp. p. 3936; Dr. p. 840; Gaz. vol. 136; p. 735.
 Flexible coupling. R. L. Lowry. No. 894,842; Aug. 4; Sp. p. 81; Dr. p. 17; Gaz. vol. 135; p. 914.
 Flexible coupling. J. G. Callan. No. 903,171; Nov. 10; Sp. p. 1261; Gaz. vol. 137; p. 239.
 Flexible joint. M. W. Brown. No. 892,930; July 7; Sp. p. 1089; Dr. p. 229; Gaz. vol. 135; p. 181.
 Flexible pipe. G. F. Royer. No. 899,623; Sept. 29; Sp. p. 4719; Dr. p. 1011; Gaz. vol. 136; p. 898.
 Flexible tube. W. W. Harris. No. 880,882; Mar. 3; Sp. p. 818; Dr. p. 173; Gaz. vol. 133; p. 137.

Alphabetical list of inventions—Continued.

- Flier. S. J. Bastien. No. 894,771; July 28; Sp. p. 4950; Dr. p. 1032; Gaz. vol. 135; p. 864.
 Flies, Device for attracting. B. W. Sims. No. 876,740; Jan. 14; Sp. p. 2159; Dr. p. 474; Gaz. vol. 132; p. 382.
 Flies from entering open doorways, Device for preventing. J. W. Shumate. No. 877,602; Jan. 28; Sp. p. 3939; Dr. p. 852; Gaz. vol. 132; p. 727.
 Fly-catcher. R. Teutsch. No. 877,256; Jan. 21; Sp. p. 3243; Dr. p. 702; Gaz. vol. 132; p. 595.
 Fly-catcher. H. A. Kessler. No. 878,207; Feb. 4; Sp. p. 652; Dr. p. 133; Gaz. vol. 132; p. 951.
 Fly-catcher. F. Bayer. No. 878,268; Feb. 4; Sp. p. 771; Dr. p. 155; Gaz. vol. 132; p. 972.
 Fly-catcher. T. Kay. No. 883,203; Mar. 31; Sp. p. 5404; Dr. p. 1151; Gaz. vol. 133; p. 1013.
 Fly-catcher. C. A. Arents. No. 904,668; Nov. 24; Sp. p. 4381; Gaz. vol. 137; p. 796.
 Fly-catcher. C. A. Arents. (Reissue.) No. 12,884; Nov. 24; Sp. p. 5485; Gaz. vol. 137; p. 952.
 Fly-catcher. F. Korndorfer. No. 906,897; Dec. 15; Sp. p. 3447; Gaz. vol. 137; p. 1614.
 Fly-catching device. R. R. Parrish. No. 908,032; Dec. 28; Sp. p. 5787; Gaz. vol. 137; p. 2053.
 Fly-escape. G. W. Stein. No. 877,250; Jan. 21; Sp. p. 3234; Dr. p. 700; Gaz. vol. 132; p. 593.
 Fly-escape. G. W. Stein. No. 898,281; Sept. 8; Sp. p. 2114; Dr. p. 449; Gaz. vol. 136; p. 366.
 Fly-escape. A. W. Salokar. No. 904,090; Nov. 17; Sp. p. 3155; Gaz. vol. 137; p. 572.
 Fly-escape screen, Out-trapping. H. A. Hanson. No. 897,894; Sept. 8; Sp. p. 1342; Dr. p. 287; Gaz. vol. 136; p. 244.
 Fly-guard. W. F. Manners. No. 880,554; Mar. 3; Sp. p. 121; Dr. p. 27; Gaz. vol. 133; p. 25.
 Fly, hook, and leader box, Trout. T. O'Leary. No. 899,466; Sept. 22; Sp. p. 4367; Dr. p. 937; Gaz. vol. 136; p. 808.
 Fly-paper holder. R. E. Fee. No. 880,919; June 9; Sp. p. 1439; Dr. p. 325; Gaz. vol. 134; p. 1317.
 Fly-paper holder. E. B. Fuller. No. 903,701; Nov. 10; Sp. p. 2337; Gaz. vol. 137; p. 410.
 Fly-paper holder. S. F. Monsell. No. 906,646; Dec. 15; Sp. p. 2953; Gaz. vol. 137; p. 1534.
 Fly-paper holder. J. O. Forker. No. 906,867; Dec. 15; Sp. p. 3390; Gaz. vol. 137; p. 1604.
 Fly-paper tray, Sticky-. L. A. Fever. No. 885,461; Apr. 21; Sp. p. 3680; Dr. p. 771; Gaz. vol. 133; p. 1837.
 Fly-protector. C. F. Martin. No. 908,295; Dec. 29; Sp. p. 5331; Dr. p. 825; Gaz. vol. 137; p. 2141.
 Fly-screen. C. N. Friz. No. 885,597; Apr. 21; Sp. p. 3953; Dr. p. 825; Gaz. vol. 133; p. 1876.
 Fly-shield. D. Berzer. No. 907,719; Dec. 29; Sp. p. 5139; Gaz. vol. 137; p. 1950.
 Fly-trap. J. F. and R. F. Rimbourn. No. 882,124; Mar. 17; Sp. p. 3279; Dr. p. 699; Gaz. vol. 133; p. 597.
 Fly-trap. G. Fredrickson. No. 882,306; Mar. 17; Sp. p. 3638; Dr. p. 772; Gaz. vol. 133; p. 655.
 Fly-trap. W. D. Fuller. No. 882,631; Mar. 24; Sp. p. 4258; Dr. p. 902; Gaz. vol. 133; p. 796.
 Fly-trap. G. Komm. No. 883,318; Mar. 31; Sp. p. 5640; Dr. p. 1203; Gaz. vol. 133; p. 1050.
 Fly-trap. S. A. Hackley. No. 884,487; Apr. 14; Sp. p. 1659; Dr. p. 356; Gaz. vol. 133; p. 1487.
 Fly-trap. W. P. Everett. No. 885,592; Apr. 21; Sp. p. 3945; Dr. p. 824; Gaz. vol. 133; p. 1875.
 Fly-trap. R. L. Ramsey. No. 889,635; June 2; Sp. p. 872; Dr. p. 199; Gaz. vol. 134; p. 1200.
 Fly-trap. W. P. Everett. No. 898,357; Sept. 15; Sp. p. 3217; Dr. p. 689; Gaz. vol. 136; p. 585.
 Fly-trap. J. Disdier. No. 903,458; Nov. 10; Sp. p. 1836; Gaz. vol. 137; p. 334.
 Fly-trap. C. Roberts. No. 906,935; Dec. 15; Sp. p. 3514; Gaz. vol. 137; p. 1626.
 Fly-wheel. S. P., Jr., and J. P. Wetherill, Jr. No. 882,037; Mar. 17; Sp. p. 3125; Dr. p. 664; Gaz. vol. 133; p. 569.
 Flying-machine. F. Wondra. No. 876,125; Jan. 7; Sp. p. 856; Dr. p. 185-3; Gaz. vol. 132; p. 146.
 Flying-machine. W. Halle. No. 881,184; Mar. 10; Sp. p. 1376; Dr. p. 297; Gaz. vol. 133; p. 264.
 Flying-machine. E. L. Drake. No. 882,189; Mar. 17; Sp. p. 3414; Dr. pp. 725-6; Gaz. vol. 133; p. 618.
 Flying-machine. T. J. Whalen. No. 882,435; Mar. 17; Sp. p. 3859; Dr. pp. 824-5; Gaz. vol. 133; p. 698.
 Flying-machine. E. R. Ernst. No. 882,457; Mar. 17; Sp. p. 3900; Dr. pp. 823-4; Gaz. vol. 133; p. 705.
 Flying-machine. H. J. Cragun. No. 893,090; Mar. 24; Sp. p. 5154; Dr. p. 1101; Gaz. vol. 133; p. 944.
 Flying-machine. B. Guthrie. No. 886,122; Apr. 28; Sp. p. 5063; Dr. pp. 1062-3; Gaz. vol. 133; p. 2080.
 Flying-machine. F. R. Sweeney. No. 889,062; May 26; Sp. p. 5502; Dr. p. 1170; Gaz. vol. 134; p. 983.
 Flying-machine. D. D. Beatty. No. 889,502; June 2; Sp. p. 629; Dr. p. 146; Gaz. vol. 134; p. 1157.
 Flying-machine. O. K. Chance. No. 890,215; June 9; Sp. p. 2042; Dr. p. 450; Gaz. vol. 134; p. 1417.
 Flying-machine. S. von Wiszewsky. No. 890,483; June 9; Sp. p. 2581; Dr. p. 571; Gaz. vol. 134; p. 1501.
 Flying-machine. A. V. Wilson. No. 897,504; Sept. 1; Sp. p. 5371; Dr. pp. 114-15; Gaz. vol. 136; p. 162.
 Flying-machine. W. Gordon. No. 897,738; Sept. 1; Sp. p. 1008; Dr. pp. 213-14; Gaz. vol. 136; p. 162.
 Flying-machine. A. H. Friedel. No. 900,844; Oct. 13; Sp. p. 1653; Dr. p. 334; Gaz. vol. 136; p. 1354.
 Flying-machine. H. B. Schiller. No. 901,486; Oct. 20; Sp. p. 2989; Dr. p. 609; Gaz. vol. 136; p. 1600.
 Flying-machine. J. and P. Cornu. No. 902,859; Nov. 3; Sp. p. 662; Gaz. vol. 137; p. 111.
 Flying-machine. J. B. Macduff. No. 905,547; Dec. 1; Sp. p. 885; Gaz. vol. 137; p. 1125.
 Flying-machine, Aeroplane. T. H. Gignilliat. No. 906,406; Dec. 8; Sp. p. 2507; Gaz. vol. 137; p. 1431.
 Flying-machine, Dirigible. E. E. Steinhaus. No. 899,350; Sept. 22; Sp. p. 4161; Dr. p. 891; Gaz. vol. 136; p. 772.
 Flying-machine wing. E. E. Warner. No. 881,836; Mar. 10; Sp. p. 2666; Dr. p. 571; Gaz. vol. 133; p. 474.
 Float. F. M. Stevens. No. 881,450; Mar. 10; Sp. p. 1910; Dr. p. 415; Gaz. vol. 133; p. 349.
 Floating bodies, Apparatus for regulating the depth of moored. K. O. Leon. No. 881,136; Mar. 10; Sp. p. 1288; Dr. pp. 277-8; Gaz. vol. 133; p. 248.
 Floating structure, Steady-. W. E. Murray. No. 889,801; June 2; Sp. p. 1186; Dr. pp. 274-5; Gaz. vol. 134; p. 1252.
 Floating structure, Steady-. W. E. Murray. No. 898,128; Sept. 8; Sp. p. 1830; Dr. p. 389; Gaz. vol. 136; p. 319.
 Floor. E. Burhorn. No. 875,775; Jan. 7; Sp. p. 195; Dr. p. 41; Gaz. vol. 132; p. 36.
 Floor. T. Cantwell. No. 876,436; Jan. 14; Sp. p. 1509; Dr. p. 324; Gaz. vol. 132; p. 278.
 Floor and ceiling plate. A. R. Wells. No. 889,997; June 9; Sp. p. 1603; Dr. p. 359; Gaz. vol. 134; p. 1343.
 Floor and ceiling plate. W. T. Broadbent. No. 905,144; Dec. 1; Sp. p. 34; Gaz. vol. 137; p. 990.
 Floor box and receptacle. N. H. Raymond. No. 905,354; Dec. 1; Sp. p. 471; Gaz. vol. 137; p. 1052.
 Floor-clamp. W. B. McCullough. No. 902,595; Nov. 3; Sp. p. 132; Gaz. vol. 137; p. 22.
 Floor-cleaning machine. G. Askell and F. Pietila. No. 891,970; June 30; Sp. p. 5686; Dr. pp. 1224-5; Gaz. vol. 134; p. 2089.
 Floor-cleaning machine. G. W. Goodier. No. 899,725; Sept. 29; Sp. p. 4908; Dr. p. 1054; Gaz. vol. 136; p. 929.
 Floor construction. J. J. Whitacre. No. 899,775; Sept. 29; Sp. p. 5034; Dr. p. 1079; Gaz. vol. 136; p. 948.
 Floor construction. J. J. Whitacre. No. 899,776; Sept. 29; Sp. p. 5037; Dr. p. 1079; Gaz. vol. 136; p. 948.
 Floor construction, Fireproof. W. Herbst and E. Dieckmann. No. 908,001; Dec. 29; Sp. p. 5730; Gaz. vol. 137; p. 2043.
 Floor-covering. A. C. Eggers. No. 903,183; Nov. 10; Sp. p. 1298; Gaz. vol. 137; p. 243.
 Floor-covering. J. W. Cleland. No. 907,742; Dec. 29; Sp. p. 5181; Gaz. vol. 137; p. 1957.
 Floor-cramp. F. Williams. No. 900,246; Oct. 6; Sp. p. 356; Dr. p. 74; Gaz. vol. 136; p. 1131.
 Floor-dressing apparatus. L. H. Veronneau, dit Vernon. No. 884,433; Apr. 14; Sp. p. 1539; Dr. pp. 330-1; Gaz. vol. 133; p. 1469.
 Floor-dressing machine. C. B. Wattles. No. 881,638; Mar. 10; Sp. p. 2289; Dr. p. 496; Gaz. vol. 133; p. 412.
 Floor-dressing machine. C. B. Wattles. No. 881,639; Mar. 10; Sp. p. 2291; Dr. p. 496; Gaz. vol. 133; p. 412.
 Floor-dressing machine. A. L. Blodgett. No. 886,928; May 5; Sp. p. 1180; Dr. p. 248; Gaz. vol. 134; p. 195.
 Floor-dressing machine. E. W. Whitmore. No. 892,634; July 7; Sp. p. 473; Dr. p. 100; Gaz. vol. 135; p. 84.
 Floor-dressing machine. G. F. Hall. No. 893,488; July 14; Sp. p. 2234; Dr. p. 468; Gaz. vol. 135; p. 393.
 Floor-dressing machine. W. S. Haven. No. 902,398; Oct. 27; Sp. p. 4865; Dr. p. 985; Gaz. vol. 136; p. 1925.
 Floor-dressing machine. A. Kraemer and A. Child. No. 906,035; Dec. 8; Sp. p. 1813; Gaz. vol. 137; p. 1311.
 Floor-dressing machine. A. Kraemer and A. Child. No. 907,058; Dec. 15; Sp. p. 3728; Gaz. vol. 137; p. 1664.
 Floor, Drying-. H. O. Robinson and C. Steadman. No. 886,251; Apr. 28; Sp. p. 5282; Dr. p. 1113; Gaz. vol. 133; p. 2122.
 Floor-finishing apparatus. N. D. S. K. Beck. No. 878,269; Feb. 4; Sp. p. 772; Dr. p. 155; Gaz. vol. 132; p. 972.
 Floor-finishing machine. C. Peter. No. 903,311; Nov. 10; Sp. p. 1544; Gaz. vol. 137; p. 285.
 Floor-jack. C. H. Coldwell. No. 876,693; Jan. 14; Sp. p. 2082; Dr. p. 452; Gaz. vol. 132; p. 368.
 Floor-jack. H. T. and E. M. Spedden. No. 896,477; Aug. 18; Sp. p. 3386; Dr. p. 729; Gaz. vol. 135; p. 1497.
 Floor-jack. E. J. Bladreau. No. 907,939; Dec. 29; Sp. p. 5631; Gaz. vol. 137; p. 2028.
 Floor-joint for soil-pipes. F. Jackson. No. 879,176; Feb. 18; Sp. p. 2649; Dr. p. 552; Gaz. vol. 132; p. 1342.
 Floor-pocket receptacle and plug. F. J. Russell. No. 904,898; Nov. 24; Sp. p. 4885; Gaz. vol. 137; p. 872.
 Floor polishing and finishing machine. S. M. Rich. No. 875,736; Jan. 7; Sp. p. 112; Dr. p. 24; Gaz. vol. 132; p. 23.
 Floor-scraper. F. Dosch. No. 890,849; June 16; Sp. p. 3367; Dr. p. 738; Gaz. vol. 134; p. 1656.
 Floor-scraper. J. F. Bradbury. No. 904,303; Nov. 17; Sp. p. 3638; Gaz. vol. 137; p. 648.
 Floor-scraper. J. Miotke. No. 904,709; Nov. 24; Sp. p. 4465; Gaz. vol. 137; p. 809.
 Floor-scraps, Sweeping attachment for. J. B. Ackermann. No. 889,496; June 2; Sp. p. 618; Dr. p. 144; Gaz. vol. 134; p. 1155.
 Floor surfacing and polishing machine. E. F. Murdock. No. 902,246; Oct. 27; Sp. p. 4548; Dr. pp. 922-3; Gaz. vol. 136; p. 1874.
 Floor-surfacing machine. M. L. Schlueter. No. 882,847; Aug. 24; Sp. p. 4691; Dr. p. 998; Gaz. vol. 135; p. 866.
 Floor-surfacing machine. E. C. F. Pliske. No. 895,497; Aug. 11; Sp. p. 1451; Dr. p. 304; Gaz. vol. 135; p. 1157.
 Floor system. T. Schillinger. No. 879,009; Feb. 11; Sp. p. 2304; Dr. p. 481; Gaz. vol. 132; p. 1246.
 Floors, Laying mosaic, granolithic, and similar. P. Fellarin. No. 898,001; Sept. 8; Sp. p. 1573; Dr. p. 335; Gaz. vol. 136; p. 279.

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- Flooring, S. W. Heaton. No. 885,751; Apr. 28; Sp. p. 4290; Dr. p. 898; Gaz. vol. 133; p. 1957.
 Flooring, Artificial. R. V. Mattison. No. 898,381; Sept. 8; Sp. p. 2295; Dr. p. 488; Gaz. vol. 136; p. 399.
 Flooring, Device for laying parquet. F. Wellan. No. 904,823; Nov. 24; Sp. p. 4718; Gaz. vol. 137; p. 848.
 Flooring, Matched. C. Momberg. No. 890,436; June 9; Sp. p. 2500; Dr. p. 553; Gaz. vol. 134; p. 1488.
 Flooring tongue-and-groove joint. J. W. Piver. No. 893,049; Mar. 24; Sp. p. 5078; Dr. p. 1083; Gaz. vol. 133; p. 932.
 Flour and other grain products, Apparatus for bleaching and aging. F. Mears and J. Craig. No. 882,526; Mar. 17; Sp. p. 4047; Dr. p. 862; Gaz. vol. 133; p. 729.
 Flour and other grain products, Bleaching and aging. F. Mears and J. Craig. No. 882,527; Mar. 17; Sp. p. 4049; Dr. p. 862; Gaz. vol. 133; p. 730.
 Flour-bleaching apparatus. G. B. McFarland. No. 878,738; Feb. 11; Sp. p. 1790; Dr. p. 371; Gaz. vol. 132; p. 1161.
 Flour from bran, Production of a digestible. T. Schlüter, Jr. No. 897,854; Sept. 1; Sp. p. 1244; Gaz. vol. 136; p. 197.
 Flour, grain, &c., Electrical purification of. J. L. Lawson. No. 880,891; Mar. 3; Sp. p. 833; Dr. p. 177; Gaz. vol. 133; p. 140.
 Flour-oxidizing apparatus. W. L. Jones. No. 895,405; Aug. 4; Sp. p. 1252; Dr. p. 264; Gaz. vol. 135; p. 1103.
 Flour-packer. E. G. Staudé. No. 876,603; Jan. 14; Sp. p. 1887; Dr. pp. 412-13; Gaz. vol. 132; p. 338.
 Flow-controller, Automatic. J. W. Ledoux. No. 879,557; Feb. 18; Sp. p. 3423; Dr. p. 717; Gaz. vol. 132; p. 1466.
 Flow-controller, Automatic. J. W. Ledoux. No. 879,558; Feb. 18; Sp. p. 3424; Dr. p. 717; Gaz. vol. 132; p. 1466.
 Flower, Artificial. W. A. Warner. No. 899,852; Sept. 29; Sp. p. 5210; Dr. p. 1115; Gaz. vol. 136; p. 974.
 Flower-box. E. Schaffer. No. 905,238; Dec. 1; Sp. p. 232; Gaz. vol. 137; p. 1022.
 Flower-box, Adjustable. L. G. Quackenbuss. No. 876,235; Jan. 7; Sp. p. 1066; Dr. p. 231; Gaz. vol. 132; p. 181.
 Flower-holder. H. E. Waddell. No. 877,145; Jan. 21; Sp. p. 3017; Dr. p. 652; Gaz. vol. 132; p. 557.
 Flower-pot. M. W. Uban. No. 894,862; Aug. 4; Sp. p. 117; Dr. pp. 25-6; Gaz. vol. 135; p. 920.
 Flower-pot, Illuminated. C. V. Helmschmid. No. 884,924; Apr. 14; Sp. p. 2574; Dr. p. 541; Gaz. vol. 133; p. 1629.
 Flower-repairing device. I. L. Pillsbury. No. 905,573; Dec. 1; Sp. p. 935; Gaz. vol. 137; p. 1132.
 Flower-stake. W. Henshaw. No. 899,046; Sept. 22; Sp. p. 3565; Dr. p. 763; Gaz. vol. 136; p. 673.
 Flower-support. G. E. Browne. No. 899,946; Sept. 29; Sp. p. 5400; Dr. p. 1152; Gaz. vol. 136; p. 1002.
 Flue-cleaner. H. O. Barrell. No. 880,855; Mar. 3; Sp. p. 756; Dr. p. 160; Gaz. vol. 133; p. 128.
 Flue-cleaner. C. Nühning. No. 884,755; Apr. 14; Sp. p. 2238; Dr. p. 472; Gaz. vol. 133; p. 1576.
 Flue-cleaner. G. W. and E. L. Rucker. No. 894,538; July 28; Sp. p. 4501; Dr. p. 933; Gaz. vol. 135; p. 789.
 Flue-cleaner. L. C. Rogers. No. 894,857; Aug. 4; Sp. p. 108; Dr. p. 23; Gaz. vol. 135; p. 919.
 Flue-cleaner. W. Deuchar. No. 896,520; Aug. 18; Sp. p. 3480; Dr. p. 747; Gaz. vol. 135; p. 1511.
 Flue-cleaner. J. W. Brown. No. 903,664; Nov. 10; Sp. p. 2267; Gaz. vol. 137; p. 400.
 Flue cleaner, Boiler-. R. W. Hamann. No. 903,971; Nov. 17; Sp. p. 2017; Gaz. vol. 137; p. 532.
 Flue-cutter. C. J. Crowley. No. 902,379; Oct. 27; Sp. p. 4833; Dr. p. 976; Gaz. vol. 136; p. 1919.
 Flue-cutter. C. J. Zillgitt and W. K. Stebbins. No. 903,941; Nov. 17; Sp. p. 2869; Gaz. vol. 137; p. 523.
 Flue-cutter. J. W. Faessler. No. 906,866; Dec. 15; Sp. p. 3389; Gaz. vol. 137; p. 1604.
 Flue-cutter. L. J. Gehl. No. 907,987; Dec. 29; Sp. p. 3699; Gaz. vol. 137; p. 2038.
 Flue-dust and fines, Recovering values from. E. Baggaley. No. 900,467; Oct. 6; Sp. p. 851; Dr. p. 173; Gaz. vol. 136; p. 1204.
 Flue-dust, Composition for solidifying. S. W. Ramsey and G. W. Smith. No. 900,587; Oct. 6; Sp. p. 1102; Gaz. vol. 136; p. 1242.
 Flue-dust, Utilizing. E. F. Wood. No. 884,970; Apr. 14; Sp. p. 2660; Gaz. vol. 133; p. 1643.
 Flue-expander. F. Clark. No. 905,846; Dec. 8; Sp. p. 1450; Gaz. vol. 137; p. 1251.
 Flue-expander, Pneumatic. H. Kelly. No. 888,239; May 19; Sp. p. 3815; Dr. p. 801; Gaz. vol. 134; p. 683.
 Flue-plugger. W. B. Wingate. No. 900,337; Oct. 6; Sp. p. 559; Dr. p. 117; Gaz. vol. 136; p. 1160.
 Flue-rattler. W. H. V. Rosing. No. 887,273; May 12; Sp. p. 1890; Dr. pp. 399-400; Gaz. vol. 134; p. 335.
 Flue-scraper. E. F. Fletcher. No. 886,362; May 5; Sp. p. 41; Dr. p. 8; Gaz. vol. 134; p. 11.
 Flue-scraper. A. B. Heimann. No. 904,429; Nov. 17; Sp. p. 3876; Gaz. vol. 137; p. 689.
 Flue-stop. C. C. Luman. No. 879,660; Feb. 18; Sp. p. 3643; Dr. p. 762; Gaz. vol. 132; p. 1499.
 Flue-thimble. C. L. Henderson. No. 890,140; June 9; Sp. p. 1893; Dr. p. 420; Gaz. vol. 134; p. 1392.
 Flue-thimble. J. L. Drosch. No. 896,521; Aug. 18; Sp. p. 3481; Dr. p. 747; Gaz. vol. 135; p. 1511.
 Fluid-actuated engine. E. J. Armstrong. No. 903,264; Nov. 10; Sp. p. 1466; Gaz. vol. 137; p. 270.
 Fluid-actuating apparatus. R. Contrader. No. 886,312; Apr. 28; Sp. p. 5414; Dr. pp. 1136-7; Gaz. vol. 133; p. 2143.
 Fluid-circulating roll. I. E. Palmer. No. 897,133; Aug. 25; Sp. p. 4758; Dr. p. 1013; Gaz. vol. 135; p. 1735.
 Fluid compression, Apparatus for centrifugal. S. A. Reeve. No. 902,005; Nov. 3; Sp. p. 152; Gaz. vol. 137; p. 25.
 Fluid-compressor. F. Felbinger and A. E. Caimeyer. No. 893,913; July 21; Sp. p. 3200; Dr. p. 659; Gaz. vol. 135; p. 562.
 Fluid-compressors, Automatic governor for. E. J. Rohrbacher. No. 898,603; Sept. 15; Sp. p. 2749; Dr. pp. 587-8; Gaz. vol. 136; p. 504.
 Fluid-controller, Automatic. M. M. Borden. No. 883,383; Mar. 31; Sp. p. 5787; Dr. p. 1235; Gaz. vol. 133; p. 1071.
 Fluid-controlling device. A. Ullmann. No. 893,765; July 21; Sp. p. 2896; Dr. p. 595; Gaz. vol. 135; p. 515.
 Fluid-controlling means. F. P. Stevens. No. 902,204; Oct. 27; Sp. p. 4582; Dr. p. 930; Gaz. vol. 136; p. 1880.
 Fluid-cooling apparatus. P. Schmalz. No. 877,520; Jan. 28; Sp. p. 3766; Dr. pp. 815-16; Gaz. vol. 132; p. 701.
 Fluid-drawer. T. G. Strater. No. 881,208; Mar. 10; Sp. p. 1417; Dr. p. 306; Gaz. vol. 133; p. 271.
 Fluid-drawer. T. G. Strater. No. 903,913; Nov. 17; Sp. p. 2800; Gaz. vol. 137; p. 514.
 Fluid-fuel-feed regulator, Steam-boiler. J. D. MacLachlan. No. 905,199; Dec. 1; Sp. p. 159; Gaz. vol. 137; p. 1008.
 Fluid-fuel furnace. E. C. Voorheis. No. 883,260; Mar. 31; Sp. p. 5525; Dr. p. 1178; Gaz. vol. 133; p. 1032.
 Fluid-gage. M. Martin. No. 885,629; Apr. 21; Sp. p. 4019; Dr. p. 839; Gaz. vol. 133; p. 1887.
 Fluid-gage. M. Martin. No. 903,212; Nov. 10; Sp. p. 1359; Gaz. vol. 137; p. 253.
 Fluid-gage. M. Martin. No. 903,213; Nov. 10; Sp. p. 1361; Gaz. vol. 137; p. 253.
 Fluid generator, Elastic-. C. W. Dake. No. 897,354; Sept. 1; Sp. p. 210; Dr. p. 45; Gaz. vol. 136; p. 32.
 Fluid-heater, Electrical. M. T. Seymour and A. W. Ball. No. 884,424; Apr. 14; Sp. p. 1520; Dr. p. 326; Gaz. vol. 133; p. 1466.
 Fluid-joint, Flexible. C. G. Hawley. No. 900,533; Oct. 6; Sp. p. 993; Dr. p. 202; Gaz. vol. 136; p. 1225.
 Fluid-joint, Flexible. E. E. Silk. No. 900,603; Oct. 6; Sp. p. 1131; Dr. p. 232; Gaz. vol. 136; p. 1248.
 Fluid-level indicator. M. Martin. No. 885,675; Apr. 21; Sp. p. 4115; Dr. p. 861; Gaz. vol. 133; p. 1902.
 Fluid-level indicator. C. Brent. No. 890,706; Aug. 25; Sp. p. 3827; Dr. p. 828; Gaz. vol. 135; p. 1591.
 Fluid-meter. R. Howe-Gould. No. 881,586; Mar. 10; Sp. p. 2175; Dr. p. 474; Gaz. vol. 133; p. 395.
 Fluid-meter. J. W. Ledoux. No. 902,888; Nov. 3; Sp. p. 730; Gaz. vol. 136; p. 120.
 Fluid-meter-testing apparatus. T. B. Dornin. No. 899,959; Sept. 29; Sp. p. 5419; Dr. pp. 1155-6; Gaz. vol. 136; p. 1006.
 Fluid-meter-testing apparatus. T. B. Dornin. No. 899,960; Sept. 29; Sp. p. 5421; Dr. p. 1156; Gaz. vol. 136; p. 1006.
 Fluid-mixer. C. Gambee. No. 883,874; Apr. 7; Sp. p. 413; Dr. p. 81; Gaz. vol. 133; p. 1257.
 Fluid-mixing apparatus. W. F. Traudt. No. 896,956; Aug. 25; Sp. p. 4402; Dr. p. 941; Gaz. vol. 135; p. 1676.
 Fluid mixture, Apparatus for the production of a gaseous or vaporous. G. Meyersberg. No. 895,654; Aug. 11; Sp. p. 1750; Dr. p. 370; Gaz. vol. 135; p. 1208.
 Fluid-motor. C. Freborg. No. 882,672; Mar. 24; Sp. p. 4337; Dr. p. 923; Gaz. vol. 133; p. 809.
 Fluid-motor. J. B. Fletcher. No. 885,462; Apr. 21; Sp. p. 3681; Dr. p. 771; Gaz. vol. 133; p. 1837.
 Fluid-motor. D. Craig. No. 891,208; June 16; Sp. p. 4077; Dr. pp. 895-6; Gaz. vol. 134; p. 1772.
 Fluid-motor. C. W. O. Wittke. No. 893,825; July 21; Sp. p. 3027; Dr. p. 619; Gaz. vol. 135; p. 535.
 Fluid-motor. F. E. Jenkins. No. 896,211; Aug. 18; Sp. p. 2835; Dr. p. 611; Gaz. vol. 135; p. 1409.
 Fluid motor, Elastic-. V. Pingret. No. 901,258; Oct. 13; Sp. p. 2437; Dr. pp. 500-1; Gaz. vol. 136; p. 1485.
 Fluid-motor, Rotary. C. E. Marshall. No. 891,846; June 30; Sp. p. 5426; Dr. p. 1173; Gaz. vol. 134; p. 2047.
 Fluid or water jacket connection. F. W. Schroeder. No. 888,658; May 26; Sp. p. 4688; Dr. pp. 996-7; Gaz. vol. 134; p. 854.
 Fluid-pressure apparatus, Automatic regulating device for. A. C. E. Rateau. No. 902,001; Oct. 27; Sp. p. 4060; Dr. p. 824; Gaz. vol. 136; p. 1797.
 Fluid-pressure automatic governing mechanism, Constant-. F. H. Brown. No. 895,239; Aug. 4; Sp. p. 948; Dr. p. 198; Gaz. vol. 135; p. 1050.
 Fluid-pressure brake. W. V. Turner. No. 888,207; May 19; Sp. p. 3761; Dr. p. 789; Gaz. vol. 134; p. 672.
 Fluid-pressure brake. J. W. Cloud. No. 893,307; July 14; Sp. p. 1851; Dr. p. 387; Gaz. vol. 135; p. 334.
 Fluid-pressure brake. W. V. Turner. No. 896,957; Aug. 25; Sp. p. 4404; Dr. p. 942; Gaz. vol. 135; p. 1676.
 Fluid-pressure brake. C. A. Tripp. No. 898,022; Sept. 8; Sp. p. 1628; Dr. p. 347; Gaz. vol. 136; p. 285.
 Fluid-pressure brake. H. T. Herr. No. 898,885; Sept. 15; Sp. p. 3270; Dr. pp. 699-700; Gaz. vol. 136; p. 595.
 Fluid-pressure brake system. G. M. Spencer. No. 877,959; Feb. 4; Sp. p. 125; Dr. p. 28; Gaz. vol. 132; p. 870.
 Fluid-pressure conduits, Coupling for. P. Furtner. No. 901,289; Oct. 13; Sp. p. 2520; Dr. pp. 517-18; Gaz. vol. 136; p. 1496.
 Fluid-pressure-controlling mechanism. H. A. Carpenter. No. 881,376; Mar. 10; Sp. p. 1775; Dr. p. 383; Gaz. vol. 133; p. 326.
 Fluid-pressure distributor. J. B. Tuor. No. 901,049; Oct. 13; Sp. p. 2065; Dr. p. 419; Gaz. vol. 136; p. 1420.
 Fluid-pressure engine. H. Lentz and C. Bellens. No. 877,847; Jan. 28; Sp. p. 4384; Dr. p. 954; Gaz. vol. 132; p. 805.
 Fluid-pressure engine. D. F. Smith and W. F. Purcell. No. 883,430; Mar. 31; Sp. p. 5890; Dr. pp. 1256-7; Gaz. vol. 133; p. 1087.
 Fluid-pressure engine. W. T. Lewis. No. 906,808; Dec. 15; Sp. p. 3266; Gaz. vol. 137; p. 1586.

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- Fluid-pressure generator. M. Warren. No. 882,085; Mar. 17; Sp. p. 3219; Dr. p. 684; Gaz. vol. 133; p. 586.
 Fluid-pressure motor. J. E. Osmer. No. 899,795; Sept. 29; Sp. p. 5087; Dr. p. 1088; Gaz. vol. 136; p. 954.
 Fluid-pressure motor. E. P. Nicholson. No. 901,550; Oct. 20; Sp. p. 3115; Dr. p. 636; Gaz. vol. 136; p. 1620.
 Fluid-pressure-operated drill. A. F. Ross. No. 902,836; Nov. 3; Sp. p. 610; Gaz. vol. 137; p. 103.
 Fluid-pressure-regulating apparatus. G. E. Hulse. No. 905,186; Dec. 1; Sp. p. 126; Gaz. vol. 137; p. 1004.
 Fluid-pressure regulator. E. P. Noyes. No. 889,185; May 26; Sp. p. 5781; Dr. p. 1225; Gaz. vol. 134; p. 1024.
 Fluid-pressure regulator. L. B. Fulton. No. 900,275; Oct. 6; Sp. p. 439; Dr. p. 90; Gaz. vol. 136; p. 1140.
 Fluid-pressure regulator, Automatic. A. Klever. No. 876,066; Jan. 7; Sp. p. 745; Dr. p. 157; Gaz. vol. 132; p. 127.
 Fluid-pressure system. B. Aikman. No. 902,637; Nov. 3; Sp. p. 208; Gaz. vol. 137; p. 35.
 Fluid-pressure system. W. F. Schneider. No. 903,892; Nov. 17; Sp. p. 2746; Gaz. vol. 137; p. 507.
 Fluid-receptacle. H. F. Call. No. 892,976; July 14; Sp. p. 1188; Dr. p. 250; Gaz. vol. 135; p. 225.
 Fluid-receptacle, Portable. L. Kessler. No. 900,104; Oct. 6; Sp. p. 62; Dr. p. 12; Gaz. vol. 136; p. 1085.
 Fluid-recorder. E. S. Cole. No. 904,310; Nov. 17; Sp. p. 3651; Gaz. vol. 137; p. 650.
 Fluid storing and transporting receptacle. J. R. Carmer and W. S. Hukill. No. 906,381; Dec. 8; Sp. p. 2469; Gaz. vol. 137; p. 1424.
 Fluids, Apparatus for electrolysis of. E. Weichert. No. 896,184; Aug. 18; Sp. p. 2776; Dr. p. 598; Gaz. vol. 135; p. 1399.
 Fluids, Apparatus for intimately mixing liquid and gaseous. P. Kestner. No. 888,444; May 19; Sp. p. 4237; Dr. p. 898; Gaz. vol. 134; p. 751.
 Fluids under pressure, Apparatus for the production of hot. W. J. Cruyt. No. 891,820; June 30; Sp. p. 5384; Dr. p. 1165; Gaz. vol. 134; p. 2039.
 Flume-gate. H. S. Munson. No. 907,851; Dec. 29; Sp. p. 5398; Gaz. vol. 137; p. 1993.
 Fluorescence of fluorescent substances, Apparatus for exhibiting the. W. G. Levison. No. 883,653; Mar. 31; Sp. p. 6340; Dr. p. 1351; Gaz. vol. 133; p. 1157.
 Flush-receptacle. F. T. Wheeler. No. 882,225; Mar. 17; Sp. p. 3477; Dr. p. 739; Gaz. vol. 133; p. 628.
 Flush receptacle and plug. F. W. Sanford. No. 894,703; July 28; Sp. p. 4833; Dr. p. 1005; Gaz. vol. 135; p. 843.
 Flush-tank. O. J. Fabian. (Reissue.) No. 12,747; Feb. 4; Sp. p. 1219; Dr. p. 252; Gaz. vol. 132; p. 1045.
 Flush-tank. C. A. Blessing. No. 885,574; Apr. 21; Sp. p. 3923; Dr. p. 819; Gaz. vol. 133; p. 1870.
 Flush-tank. J. Nelson. No. 891,283; June 23; Sp. p. 4245; Dr. p. 929; Gaz. vol. 134; p. 1829.
 Flush-tank, Antifreezing. F. W. Oberlies. No. 901,731; Oct. 20; Sp. p. 3514; Dr. p. 710; Gaz. vol. 136; p. 1680.
 Flushing apparatus. E. E. Dickson. No. 887,600; May 12; Sp. p. 2574; Dr. p. 543; Gaz. vol. 134; p. 444.
 Flushing apparatus. A. S. Kline and P. S. Heller. No. 908,277; Dec. 29; Sp. p. 6302; Gaz. vol. 137; p. 2135.
 Flushing apparatus, Automatic. R. Brocke. No. 882,451; Mar. 17; Sp. p. 3889; Dr. p. 831; Gaz. vol. 133; p. 703.
 Flushing apparatus, Automatic periodic. J. W. Grantland. No. 884,483; Apr. 14; Sp. p. 1648; Dr. p. 354; Gaz. vol. 133; p. 1485.
 Flushing apparatus, Street-. D. Connelly and C. E. Schafer. No. 882,626; Mar. 24; Sp. p. 4251; Dr. pp. 909-1; Gaz. vol. 133; p. 794.
 Flushing apparatus, Street-. J. Hill. No. 900,015; Sept. 29; Sp. p. 5543; Dr. pp. 1181-2; Gaz. vol. 136; p. 1025.
 Flushing device. E. Bindewald. No. 881,458; Mar. 10; Sp. p. 1923; Dr. p. 419; Gaz. vol. 133; p. 351.
 Flushing device for sinks, &c. E. J. Brown. No. 895,955; Aug. 11; Sp. p. 2356; Dr. pp. 505-6; Gaz. vol. 135; p. 1305.
 Flushing device, Water. G. H. Holmes. No. 890,055; June 9; Sp. p. 1730; Dr. p. 383; Gaz. vol. 134; p. 1364.
 Flushing-head. T. M. Murphy. No. 900,869; Oct. 13; Sp. p. 1703; Dr. pp. 343-4; Gaz. vol. 136; p. 1361.
 Flushing receptacles, Means for. J. W. Grantland. No. 884,484; Apr. 14; Sp. p. 1650; Dr. p. 354; Gaz. vol. 133; p. 1486.
 Flushing-tank. G. W. Palmer and F. E. Pierce. No. 881,145; Mar. 10; Sp. p. 1307; Dr. p. 282; Gaz. vol. 133; p. 252.
 Flushing-tank. E. J. Wackerle. No. 886,446; May 5; Sp. p. 205; Dr. p. 44; Gaz. vol. 134; p. 39.
 Flushing-tank. L. G. Leffer. No. 892,274; June 30; Sp. p. 6260; Dr. p. 1347; Gaz. vol. 134; p. 2188.
 Flushing-tank. C. Wilms. No. 894,092; July 21; Sp. p. 3573; Dr. p. 736; Gaz. vol. 135; p. 623.
 Flushing-tank and closet. J. O. Bree. No. 886,470; May 5; Sp. p. 259; Dr. p. 54; Gaz. vol. 134; p. 48.
 Flute. D. Julliot. No. 901,913; Oct. 20; Sp. p. 3546; Dr. pp. 784-5; Gaz. vol. 136; p. 1738.
 Fluting or beading machine. C. V. Voorhies. No. 898,289; Sept. 8; Sp. p. 2130; Dr. p. 453; Gaz. vol. 136; p. 368.
 Flux and making same. F. J. Kovach. No. 881,081; Mar. 3; Sp. p. 1175; Gaz. vol. 133; p. 200.
 Fodder and corn-shock binder. F. M. Moss. No. 882,954; Mar. 24; Sp. p. 4909; Dr. p. 1041; Gaz. vol. 133; p. 902.
 Fodder-cutter. J. Dick. No. 883,391; Mar. 31; Sp. p. 5802; Dr. p. 1238; Gaz. vol. 133; p. 1074.
 Fodder-cutter. J. Dick. No. 883,392; Mar. 31; Sp. p. 5803; Dr. pp. 1238-9; Gaz. vol. 133; p. 1074.
 Fodder for animals. W. Darlington. No. 903,683; Nov. 10; Sp. p. 2310; Gaz. vol. 137; p. 403.
 Fodder for horses and other animals. B. Stein. No. 907,910; Dec. 29; Sp. p. 5526; Gaz. vol. 137; p. 2012.
 Fog-penetrating light. E. Maurer. No. 891,558; June 23; Sp. p. 4815; Dr. p. 1039; Gaz. vol. 134; p. 1919.
 Fog signaling apparatus. T. L. Willson. No. 882,039; Mar. 17; Sp. p. 3131; Dr. p. 665; Gaz. vol. 133; p. 569.
 Fold-holding device. H. T. Pitcher. No. 891,730; June 23; Sp. p. 5173; Dr. p. 1117; Gaz. vol. 134; p. 1976.
 Foldable box. C. F. A. Eddy. No. 876,531; Jan. 14; Sp. p. 1721; Dr. p. 374; Gaz. vol. 132; p. 313.
 Foldable table. M. Ullman. No. 890,943; June 16; Sp. p. 3566; Dr. p. 778; Gaz. vol. 134; p. 1687.
 Folded-blank box. G. L. Morrison. No. 883,734; Apr. 7; Sp. p. 169; Dr. p. 19; Gaz. vol. 133; p. 1210.
 Folder. O. Roosen. No. 878,829; Feb. 11; Sp. p. 1966; Dr. p. 407; Gaz. vol. 132; p. 1190.
 Folder and mailing-case therefor. View-. M. Witt. No. 878,325; Feb. 4; Sp. p. 880; Dr. p. 175; Gaz. vol. 132; p. 990.
 Folder or envelop. J. E. Blaine, Jr. No. 894,478; July 28; Sp. p. 4395; Dr. p. 907; Gaz. vol. 135; p. 770.
 Folding and adjustable chair. J. Holloway. No. 877,646; Jan. 28; Sp. p. 4023; Dr. p. 868; Gaz. vol. 132; p. 741.
 Folding and adjustable chair. T. F. Robinson. No. 900,885; Oct. 13; Sp. p. 1738; Dr. p. 351; Gaz. vol. 136; p. 1366.
 Folding bench, Angle-metal. W. H. Maxwell. No. 882,010; Mar. 17; Sp. p. 3074; Dr. p. 653; Gaz. vol. 133; p. 561.
 Folding box. F. P. Hulett. No. 886,810; May 5; Sp. p. 976; Dr. p. 205; Gaz. vol. 134; p. 159.
 Folding box. O. E. Kirmse. No. 887,729; May 12; Sp. p. 2816; Dr. p. 595; Gaz. vol. 134; p. 488.
 Folding box. F. H. Hougland. No. 895,564; Aug. 11; Sp. p. 1583; Dr. pp. 334-5; Gaz. vol. 135; p. 1180.
 Folding box. C. T. Bloomer. No. 899,654; Sept. 29; Sp. p. 4774; Dr. pp. 1021-2; Gaz. vol. 136; p. 907.
 Folding box. J. M. Johnson. No. 900,173; Oct. 6; Sp. p. 214; Dr. p. 44; Gaz. vol. 136; p. 1107.
 Folding box. J. G. Reber. No. 900,953; Oct. 13; Sp. p. 1887; Dr. p. 384; Gaz. vol. 136; p. 1389.
 Folding box. C. W. Elson. No. 902,807; Nov. 3; Sp. p. 526; Gaz. vol. 137; p. 92.
 Folding box. F. H. Hougland. No. 906,138; Dec. 8; Sp. p. 2009; Gaz. vol. 137; p. 1344.
 Folding box. F. Treischman. No. 905,472; Dec. 8; Sp. p. 2629; Gaz. vol. 137; p. 1453.
 Folding box. F. J. Dennis. No. 907,753; Dec. 29; Sp. p. 5205; Gaz. vol. 137; p. 1961.
 Folding box or crate. J. A. Lamp. No. 891,082; June 16; Sp. p. 3837; Dr. p. 838; Gaz. vol. 134; p. 1732.
 Folding box or crate. J. H. and E. E. Derby. No. 900,492; Oct. 6; Sp. p. 913; Dr. p. 186; Gaz. vol. 136; p. 1211.
 Folding bracket for desk-telephones, &c. W. H. Gerhard. No. 898,572; Sept. 15; Sp. p. 2685; Dr. p. 574; Gaz. vol. 136; p. 493.
 Folding carrier. C. F. Williams. No. 901,858; Oct. 20; Sp. p. 3745; Dr. pp. 761-2; Gaz. vol. 136; p. 1720.
 Folding chair. E. T. Morris. No. 888,726; May 26; Sp. p. 4814; Dr. p. 1026; Gaz. vol. 134; p. 874.
 Folding chair. V. Pilia and H. Booker. No. 890,705; June 16; Sp. p. 3061; Dr. p. 671; Gaz. vol. 134; p. 1608.
 Folding chair. T. M. Painter. No. 902,248; Oct. 27; Sp. p. 4552; Dr. p. 923; Gaz. vol. 136; p. 1875.
 Folding chair. J. C. Bennett. No. 902,471; Oct. 27; Sp. p. 5035; Dr. p. 1019; Gaz. vol. 136; p. 1950.
 Folding chair. G. Callahan. No. 902,938; Nov. 3; Sp. p. 819; Gaz. vol. 137; p. 135.
 Folding chair. W. R. Cameron. No. 905,496; Dec. 1; Sp. p. 776; Gaz. vol. 137; p. 1108.
 Folding chair, Automatic. C. O. Austin. No. 901,581; Oct. 20; Sp. p. 3178; Dr. p. 648; Gaz. vol. 136; p. 1630.
 Folding, cutting, and paste table. C. D. Sherman and G. H. Link. No. 893,813; July 21; Sp. p. 2998; Dr. pp. 613-14; Gaz. vol. 135; p. 531.
 Folding-machine. A. Baruch. No. 896,509; Aug. 18; Sp. p. 3454; Dr. p. 743; Gaz. vol. 135; p. 1507.
 Folding-machine. G. J. Dormandy. No. 904,317; Nov. 17; Sp. p. 3664; Gaz. vol. 137; p. 653.
 Folding-machine. G. Klein. No. 906,722; Dec. 15; Sp. p. 3102; Gaz. vol. 137; p. 1558.
 Folding-machine. R. C. Seymour. No. 903,157; Dec. 29; Sp. p. 6037; Gaz. vol. 137; p. 2004.
 Folding-machine. Cement-applying. F. S. Jennings. No. 888,403; May 19; Sp. p. 4141; Dr. pp. 875-6; Gaz. vol. 134; p. 735.
 Folding-machine. Cement-applying. F. S. Jennings. (Reissue.) No. 12,829; July 14; Sp. p. 2469; Dr. pp. 514-15; Gaz. vol. 135; p. 427.
 Folding-machine die. J. Maitland and W. J. Beattie. No. 906,042; Dec. 8; Sp. p. 1824; Gaz. vol. 137; p. 1314.
 Folding-machine packing mechanism. C. A. Sturtevant. No. 879,841; Feb. 18; Sp. p. 4006; Dr. pp. 840-1; Gaz. vol. 132; p. 1559.
 Folding mechanism, Rotary. H. Lang. No. 899,743; Sept. 29; Sp. p. 4954; Dr. pp. 1062-3; Gaz. vol. 136; p. 935.
 Folding mechanism, Rotary. H. Lang. No. 899,744; Sept. 29; Sp. p. 4957; Dr. p. 1063; Gaz. vol. 136; p. 936.
 Folding rack. F. L. Herbin. No. 903,000; Dec. 29; Sp. p. 5723; Gaz. vol. 137; p. 2042.
 Folding seat. E. Lindow. No. 876,367; Jan. 14; Sp. p. 1350; Dr. p. 293; Gaz. vol. 132; p. 255.
 Folding seat. J. Z. Miller. No. 878,889; Feb. 11; Sp. p. 2079; Dr. pp. 432-3; Gaz. vol. 132; p. 1209.
 Folding stand. J. F. Van Horn. No. 901,129; Oct. 13; Sp. p. 2214; Dr. p. 450; Gaz. vol. 136; p. 1444.
 Folding table. A. E. Howlett. No. 882,064; Mar. 17; Sp. p. 3178; Dr. p. 676; Gaz. vol. 133; p. 578.
 Folding table. H. L. Haskell. No. 896,907; Aug. 25; Sp. p. 4268; Dr. p. 912; Gaz. vol. 135; p. 1660.

Alphabetical list of inventions—Continued.

- Folding table. O. C. Kade. No. 900,552; Oct. 6; Sp. p. 1038; Dr. p. 213; Gaz. vol. 136; p. 1231.
 Folding table. W. R. Montgomery. No. 902,245; Oct. 27; Sp. p. 4546; Dr. p. 922; Gaz. vol. 136; p. 1874.
 Folding table. J. Mohr and C. Mosch. No. 905,342; Dec. 1; Sp. p. 417; Gaz. vol. 137; p. 1055.
 Folding table. W. Hanley. No. 906,131; Dec. 8; Sp. p. 1999; Gaz. vol. 137; p. 1342.
 Food-chopper. J. H. Shaw. No. 899,702; Sept. 29; Sp. p. 4859; Dr. p. 1041; Gaz. vol. 136; p. 921.
 Food compound. R. H. McFarland. No. 884,606; Apr. 14; Sp. p. 1903; Gaz. vol. 133; p. 1526.
 Food compound. C. E. Bright. No. 900,701; Oct. 13; Sp. p. 1354; Gaz. vol. 136; p. 1308.
 Food-dispensing apparatus, Coin-controlled. M. Woodbury and N. W. Aldrich. No. 902,358; Oct. 27; Sp. p. 4798; Dr. p. 969; Gaz. vol. 136; p. 1913.
 Food, Making leguminous. W. A. Schwalbe. No. 882,173; Mar. 17; Sp. p. 3392; Gaz. vol. 133; p. 613.
 Food materials, Preparing. W. E. Williams. No. 897,181; Aug. 25; Sp. p. 4843; Gaz. vol. 135; p. 1749.
 Food product. L. Coltrin. No. 904,047; Nov. 17; Sp. p. 3067; Gaz. vol. 137; p. 558.
 Food product and making the same. J. E. Bloom. No. 883,930; Apr. 7; Sp. p. 522; Gaz. vol. 133; p. 1276.
 Food product, Nitrogenous. K. Okazaki. No. 897,392; Sept. 1; Sp. p. 308; Dr. p. 64; Gaz. vol. 136; p. 47.
 Food products, Making cereal. C. H. Richards. No. 901,647; Oct. 20; Sp. p. 3299; Dr. p. 577; Gaz. vol. 136; p. 1651.
 Foot appliance. E. S. Farra. No. 892,412; July 7; Sp. p. 41; Dr. p. 11; Gaz. vol. 135; p. 11.
 Foot-arch. F. J. Winchell. No. 899,367; Sept. 22; Sp. p. 4195; Dr. p. 898; Gaz. vol. 136; p. 778.
 Foot-block, Radiator adjustable. H. E. Jennison. No. 906,028; Dec. 8; Sp. p. 1798; Gaz. vol. 137; p. 1309.
 Foot-bolt for holding doors. H. R. Shafer. No. 884,768; Apr. 14; Sp. p. 2269; Dr. p. 477; Gaz. vol. 133; p. 1580.
 Foot-guard. W. A. Harman. No. 892,152; June 30; Sp. p. 6026; Dr. p. 1295; Gaz. vol. 134; p. 2146.
 Foot-protector. M. Schultz. No. 893,876; July 21; Sp. p. 3128; Dr. p. 642; Gaz. vol. 135; p. 550.
 Foot-rest. J. Flindall. No. 896,982; Aug. 25; Sp. p. 4459; Dr. p. 953; Gaz. vol. 135; p. 1684.
 Foot-rest. J. F. Rossman. No. 905,590; Dec. 1; Sp. p. 964; Gaz. vol. 137; p. 1137.
 Foot-rest, Extension. W. E. Latimer. No. 902,092; Oct. 27; Sp. p. 4228; Dr. p. 857; Gaz. vol. 136; p. 1825.
 Foot support and protector. F. Dahmann. No. 892,652; July 7; Sp. p. 504; Dr. p. 106; Gaz. vol. 135; p. 90.
 Foot-warmer. M. E. Waller. No. 885,112; Apr. 21; Sp. p. 2949; Dr. p. 625; Gaz. vol. 133; p. 1721.
 Footwear. A. W. Biddle. No. 888,458; May 26; Sp. p. 4267; Dr. p. 903; Gaz. vol. 134; p. 784.
 Footwear. F. H. Addis. No. 896,880; Aug. 25; Sp. p. 4213; Dr. p. 901; Gaz. vol. 135; p. 1650.
 Footwear. R. Christensen. No. 896,971; Aug. 25; Sp. p. 4437; Dr. p. 948; Gaz. vol. 135; p. 1681.
 Footwear-cushion. B. N. B. Miller. No. 900,867; Oct. 13; Sp. p. 1699; Dr. p. 343; Gaz. vol. 136; p. 1361.
 Force-feed lubricator. E. L. Stuck. No. 879,210; Feb. 18; Sp. p. 2708; Dr. p. 565; Gaz. vol. 132; p. 1352.
 Force-feed lubricator. G. D. Banta. No. 891,132; June 16; Sp. p. 3916; Dr. p. 857; Gaz. vol. 134; p. 1746.
 Force-feed lubricator. C. B. Hodges. No. 893,241; July 14; Sp. p. 1723; Dr. pp. 363-4; Gaz. vol. 135; p. 311.
 Force-feed lubricator. G. W. Bird and H. Akins. No. 899,378; Sept. 22; Sp. p. 4212; Dr. p. 901; Gaz. vol. 136; p. 781.
 Forceps, Animal-. F. M. Rowe and T. W. Reimer. No. 886,414; May 5; Sp. p. 151; Dr. p. 31; Gaz. vol. 134; p. 30.
 Forceps, Obstetrical. W. B. Dewees. No. 893,464; July 14; Sp. p. 2183; Dr. p. 459; Gaz. vol. 135; p. 385.
 Forceps, Obstetrical. H. E. Koch. No. 899,222; Sept. 22; Sp. p. 3908; Dr. p. 835; Gaz. vol. 136; p. 732.
 Forceps, Pig-. A. G. Colson. No. 877,633; Jan. 28; Sp. p. 4000; Dr. p. 864; Gaz. vol. 132; p. 737.
 Fore-masher. I. Rathgeber. No. 899,841; Sept. 29; Sp. p. 5166; Dr. p. 1107; Gaz. vol. 136; p. 969.
 Forge, Blacksmith's. H. P. Dorsheimer. No. 886,773; May 5; Sp. p. 903; Dr. p. 187; Gaz. vol. 134; p. 148.
 Forging and riveting furnace. W. N. Best. No. 887,182; May 12; Sp. p. 1660; Dr. p. 352; Gaz. vol. 134; p. 305.
 Forging and welding metallic rings, Machine for. J. Giriot. No. 876,709; Jan. 14; Sp. p. 2106; Dr. p. 458; Gaz. vol. 132; p. 373.
 Forging apparatus, Axle-. J. H. Baker. No. 904,295; Nov. 17; Sp. p. 3619; Gaz. vol. 137; p. 645.
 Forging-machine. F. W. and E. Wolff. No. 908,187; Dec. 29; Sp. p. 6107; Gaz. vol. 137; p. 2105.
 Forgings, Trimming-chair for. L. P. Blot. No. 885,427; Apr. 21; Sp. p. 3618; Dr. p. 759; Gaz. vol. 133; p. 1825.
 Fork: See Bicycle-fork; Can-fork; Corn-fork; Gathering and loading fork; Grapple-fork; Hay-fork; Loading-apparatus fork; Manure-fork; Olive and pickle fork; Pickle-fork; Pitchfork; Spring-fork; Wheel-fork.
 Fork and rake, Combined. W. L. Copeland. No. 903,678; Nov. 10; Sp. p. 2302; Gaz. vol. 137; p. 404.
 Fork-scraper. W. H. Abts. No. 879,134; Feb. 18; Sp. p. 2565; Dr. p. 534; Gaz. vol. 132; p. 1327.
 Form, Dress-. L. T. Furnas. No. 888,992; May 26; Sp. p. 5387; Dr. p. 1144; Gaz. vol. 134; p. 961.
 Form, Dress-. C. A. Uford. No. 906,087; Dec. 8; Sp. p. 1911; Gaz. vol. 137; p. 1327.
 Form for animal-heads. B. Cohen. No. 903,673; Nov. 10; Sp. p. 2283; Gaz. vol. 137; p. 402.
 Form for garments, Presser-. J. M. Stein. No. 879,017; Feb. 11; Sp. p. 2315; Dr. p. 484; Gaz. vol. 132; p. 1249.
 Form, Garment-. H. Frankel. No. 886,490; May 5; Sp. p. 294; Dr. p. 61; Gaz. vol. 134; p. 54.
 Form improver, Coat-. S. Goodfriend. No. 893,622; July 21; Sp. p. 2533; Dr. p. 528; Gaz. vol. 135; p. 466.
 Form or display-rack for shirt-waists and similar garments, Bust-. M. Litt. No. 886,524; May 5; Sp. p. 360; Dr. p. 74; Gaz. vol. 134; p. 66.
 Form, Shoulder-presser. J. M. Stein. No. 897,422; Sept. 1; Sp. p. 378; Dr. pp. 79-80; Gaz. vol. 136; p. 59.
 Forming-machine. W. C. Burrell. No. 884,464; Apr. 14; Sp. p. 1606; Dr. pp. 346-7; Gaz. vol. 133; p. 1479.
 Forming machinery. J. Cuthbert. No. 905,852; Dec. 8; Sp. p. 1463; Gaz. vol. 137; p. 1253.
 Formaldehyde, Composition for generating. A. Eichengrün. No. 880,204; Feb. 25; Sp. p. 4779; Gaz. vol. 132; p. 1711.
 Formaldehyde-generating composition. A. Eichengrün. No. 885,233; Apr. 21; Sp. p. 3232; Gaz. vol. 133; p. 1762.
 Formaldehyde, tannin, and aromatic monohydroxyl compounds, Manufacturing condensation products from. H. Hildebrandt. No. 876,311; Jan. 7; Sp. p. 1238; Gaz. vol. 132; p. 207.
 Formic-aldehyde preparation and making same. H. S. Blackmore. No. 889,171; May 26; Sp. p. 5753; Gaz. vol. 134; p. 1019.
 Foundation. J. T. Hambay. No. 885,043; Apr. 21; Sp. p. 2819; Dr. p. 596; Gaz. vol. 133; p. 1700.
 Foundations, Forming. H. Abbott. No. 887,175; May 12; Sp. p. 1645; Dr. p. 349; Gaz. vol. 134; p. 302.
 Foundry-flasks, Bottom board for. J. L. Butler. No. 893,703; July 21; Sp. p. 2681; Dr. p. 563; Gaz. vol. 135; p. 492.
 Foundry-flasks, Chaplet-anchoring device for. T. B. Harkins. No. 891,989; June 30; Sp. p. 5720; Dr. p. 1230; Gaz. vol. 134; p. 2095.
 Foundry molding-machine. J. R. Moorhouse. No. 893,346; July 14; Sp. p. 1923; Dr. pp. 403-4; Gaz. vol. 135; p. 346.
 Foundry-molds and the like, Machine for manipulating. P. Bonvillain. (Reissue.) No. 12,811; June 16; Sp. p. 4117; Dr. pp. 902-3; Gaz. vol. 134; p. 1778.
 Foundry-separator. E. G. Pfau. No. 896,152; Apr. 28; Sp. p. 5113; Dr. p. 1074; Gaz. vol. 133; p. 2089.
 Fountain: See Drinking-fountain; Ink-fountain; Mechanical fountain; Poultry-fountain; Soda-fountain; Soda-water fountain; Stock-fountain; Watering-fountain.
 Fountain-divider. R. R. Page. No. 907,638; Dec. 22; Sp. p. 4951; Gaz. vol. 137; p. 1893.
 Fowl or meat holder. G. W. Haverstick. No. 877,331; Jan. 21; Sp. p. 3387; Dr. p. 734; Gaz. vol. 132; p. 618.
 Fracture apparatus for stretching parts of the human body. M. Koehler. No. 890,069; June 9; Sp. p. 1754; Dr. p. 389; Gaz. vol. 134; p. 1368.
 Frame: See Adjustable frame; Agricultural-machine frame; Automobile suspension-frame; Bag-frame; Bed-spring frame; Bicycle and tandem frame; Binder-frame; Bobbin-frame; Brush-frame; Car-frame; Collapsible frame; Covered frame; Curtain-frame; Cycle-frame; Easel-frame; Embroidery-frame; Fashion-plate frame; Fireproof metal window-frame; Girder-frame; Gluing-frame; Grindstone-frame; Hammer-frame; Hat-frame; Heddle-frame; Inclosing frame; Lantern-frame; Log-skidder frame; Machine-frame; Mattress-frame; Metal frame; Motor-frame; Necktie-frame; Necktie-supporting frame; Nest-frame; Photographic-printing frame; Piano-frame; Piano-action frame; Piano-string frame; Picture-frame; Printing-frame; Purse or bag frame; Quilting-frame; Razor-frame; Reinforcing-frame; Saw-frame; Screen-frame; Seat-frame; Skate-frame; Slubber or fly frame; Spinning-frame; Spinning, drawing, roving, and like frame; Spinning or twisting frame; Supporting-frame; Suspending-frame; Tent-opening frame; Tire-frame; Truck-frame; Truck side frame; Type-writer frame; Umbrella-frame; Umbrella or parasol frame; Window-frame.
 Frame. J. Mueller. No. 886,840; May 5; Sp. p. 1021; Dr. p. 214; Gaz. vol. 134; p. 167.
 Frame. L. Sborigl. No. 899,329; Sept. 22; Sp. p. 4126; Dr. p. 883; Gaz. vol. 136; p. 765.
 Frame construction, Side-. W. P. Richardson. No. 877,735; Jan. 28; Sp. p. 4187; Dr. p. 908; Gaz. vol. 132; p. 769.
 Frame construction, Side-. O. S. Pulliam. No. 897,010; Aug. 25; Sp. p. 4517; Dr. p. 966; Gaz. vol. 135; p. 1693.
 Frame for mirrors, brushes, pictures, and the like. R. R. Debacher. No. 883,094; Mar. 24; Sp. p. 5165; Dr. p. 1103; Gaz. vol. 133; p. 946.
 Frame-mounting. O. Hetlesæter. No. 899,596; Sept. 29; Sp. p. 4660; Dr. p. 999; Gaz. vol. 136; p. 890.
 Framing or measuring instrument. J. T. Pentecost. No. 885,284; Apr. 21; Sp. p. 3328; Dr. p. 695; Gaz. vol. 133; p. 1779.
 Framing-spacer, Automatic. J. Broadley. No. 878,605; Feb. 11; Sp. p. 1536; Dr. p. 313; Gaz. vol. 132; p. 1118.
 Fraud detecting and preventing means and method. E. A. Evans. No. 878,366; Feb. 4; Sp. p. 958; Dr. p. 192; Gaz. vol. 132; p. 1004.
 Freezer. J. D. Collins. No. 880,360; Feb. 25; Sp. p. 5075; Dr. p. 1072; Gaz. vol. 132; p. 1762.
 Freezer dasher, Liquid-. G. M. Mills. No. 896,848; Aug. 25; Sp. p. 4152; Dr. pp. 889-90; Gaz. vol. 135; p. 1640.
 Freezing to the sides of a receptacle, Preventing moisture-containing material from. S. G. Stevens. No. 896,595; Aug. 18; Sp. p. 3614; Gaz. vol. 135; p. 1535.
 Freight-carrier, Gravity. W. E. Courtney. No. 883,297; Mar. 31; Sp. p. 5605; Dr. p. 1195; Gaz. vol. 133; p. 1044.
 Freight-conveyer. G. W. Younkman. No. 899,854; Sept. 29; Sp. p. 5212; Dr. p. 1116; Gaz. vol. 136; p. 974.

Alphabetical list of inventions—Continued.

- Freight mechanism, Automatic. G. W. Younkman. No. 890,746; June 16; Sp. p. 3165; Dr. p. 693; Gaz. vol. 134; p. 1622.
- Friction-coupling. W. Beilke. No. 881,290; Mar. 10; Sp. p. 1604; Dr. pp. 343-4; Gaz. vol. 133; p. 299.
- Friction-coupling. P. Daimler. No. 905,994; Dec. 8; Sp. p. 1741; Gaz. vol. 137; p. 1298.
- Friction coupling and brake. K. Maybach. No. 907,074; Dec. 15; Sp. p. 3760; Gaz. vol. 137; p. 1669.
- Friction-coupling, Cone. H. Baumgartner-Mica. No. 878,035; Feb. 4; Sp. p. 296; Dr. p. 63; Gaz. vol. 132; p. 896.
- Friction coupling or clutch. C. Krämer. No. 879,274; Feb. 18; Sp. p. 2824; Dr. p. 591; Gaz. vol. 132; p. 1374.
- Friction member. W. T. Bonner. No. 903,049; Nov. 3; Sp. p. 1042; Gaz. vol. 137; p. 171.
- Friction-spring. P. Hien. No. 879,545; Feb. 18; Sp. p. 3401; Dr. pp. 712-13; Gaz. vol. 132; p. 1462.
- Friction-top can. K. S. Breckenridge. No. 878,766; Feb. 11; Sp. p. 1850; Dr. p. 382; Gaz. vol. 132; p. 1170.
- Friction-top or vessel, Open-mouthed. G. W. Weber. No. 893,769; July 21; Sp. p. 2904; Dr. p. 596; Gaz. vol. 135; p. 516.
- Friction transmission mechanism. B. G. Pfeiffer. No. 887,961; May 19; Sp. p. 3300; Dr. p. 694; Gaz. vol. 134; p. 594.
- Frictional brake. W. Love. No. 886,997; May 5; Sp. p. 1303; Dr. p. 274; Gaz. vol. 134; p. 217.
- Frog-box. F. S. Willard and R. E. Donaldson. No. 882,184; Mar. 17; Sp. p. 3406; Dr. p. 724; Gaz. vol. 133; p. 616.
- Frog, Double-spring. J. E. Graham. No. 877,562; Jan. 28; Sp. p. 3862; Dr. p. 835; Gaz. vol. 132; p. 715.
- Fruit and flower picker. J. B. Tuttle. No. 836,555; May 5; Sp. p. 420; Dr. p. 90; Gaz. vol. 134; p. 77.
- Fruit and like packing press. A. D. Blank. No. 890,956; June 16; Sp. p. 3608; Dr. p. 785; Gaz. vol. 134; p. 1691.
- Fruit and vegetable cutter. S. D. Smithwick. No. 878,833; Feb. 11; Sp. p. 1971; Dr. p. 408; Gaz. vol. 132; p. 1191.
- Fruit and vegetable drier. F. D. Kendall and T. O. Robinson. No. 883,721; Apr. 7; Sp. p. 87; Dr. p. 14; Gaz. vol. 133; p. 1203.
- Fruit and vegetable pitter. D. H. Mosteller. No. 892,676; July 7; Sp. p. 550; Dr. p. 116; Gaz. vol. 135; p. 97.
- Fruit-box. E. B. Weston. No. 895,218; Aug. 4; Sp. p. 888; Dr. p. 136; Gaz. vol. 135; p. 1043.
- Fruit-box. W. R. Stokely. No. 904,571; Nov. 24; Sp. p. 4194; Gaz. vol. 137; p. 764.
- Fruit-box, Folding. H. F. Padgham. No. 879,836; Feb. 18; Sp. p. 3996; Dr. p. 836; Gaz. vol. 132; p. 1557.
- Fruit-conveyer. M. B. Dorman. No. 876,529; Jan. 14; Sp. p. 1718; Dr. p. 373; Gaz. vol. 132; p. 312.
- Fruit-cutter. E. G. Chatain. No. 883,786; Apr. 7; Sp. p. 210; Dr. p. 38; Gaz. vol. 133; p. 1227.
- Fruit-cutter. H. All. No. 888,293; May 19; Sp. p. 3927; Dr. p. 826; Gaz. vol. 134; p. 702.
- Fruit-gatherer. A. Reiniche. No. 891,373; June 23; Sp. p. 4441; Dr. p. 966; Gaz. vol. 134; p. 1859.
- Fruit-grader. W. C. Anderson. No. 891,225; June 23; Sp. p. 4135; Dr. p. 905; Gaz. vol. 134; p. 1811.
- Fruit-grader. H. A. Beekhuijsen. No. 906,605; Dec. 15; Sp. p. 2877; Gaz. vol. 137; p. 1521.
- Fruit grading or assorting machine. R. Strain. No. 888,408; May 19; Sp. p. 4156; Dr. p. 878; Gaz. vol. 134; p. 737.
- Fruit-jar. W. J. Perritt. No. 879,669; Feb. 18; Sp. p. 3668; Dr. p. 766; Gaz. vol. 132; p. 1502.
- Fruit-jar. G. H. Rice. No. 907,091; Dec. 15; Sp. p. 3786; Gaz. vol. 137; p. 1674.
- Fruit-jars, Device for truing caps of. L. H. Fischer. No. 893,838; July 21; Sp. p. 3056; Dr. p. 624; Gaz. vol. 135; p. 539.
- Fruit-juice and preserving same. J. A. Froberg. No. 892,415; July 7; Sp. p. 44; Gaz. vol. 135; p. 11.
- Fruit-packing box. A. L. Woodill. No. 892,570; July 7; Sp. p. 337; Dr. p. 74; Gaz. vol. 135; p. 63.
- Fruit-picker. H. J. Bolinski. No. 888,459; May 26; Sp. p. 4268; Dr. p. 904; Gaz. vol. 134; p. 784.
- Fruit-picker. M. Petzer. No. 892,182; June 30; Sp. p. 6081; Dr. p. 1308; Gaz. vol. 134; p. 2157.
- Fruit-picker. H. Corrigan. No. 901,594; Oct. 20; Sp. p. 3203; Dr. p. 656; Gaz. vol. 136; p. 1635.
- Fruit-picker. J. S. Griffin. No. 906,412; Dec. 8; Sp. p. 2517; Gaz. vol. 137; p. 1433.
- Fruit-picker. A. E. Frampton. No. 908,235; Dec. 29; Sp. p. 6234; Gaz. vol. 137; p. 2122.
- Fruit-picker's belt. J. M. Hepworth. No. 892,991; July 14; Sp. p. 1241; Dr. p. 260; Gaz. vol. 135; p. 231.
- Fruit-picker's bucket. E. E. Bryan and W. E. Taylor. No. 876,038; Jan. 7; Sp. p. 682; Dr. p. 146; Gaz. vol. 132; p. 118.
- Fruit-picker's platform. C. A. McMormott. No. 884,839; Apr. 14; Sp. p. 2424; Dr. p. 508; Gaz. vol. 133; p. 1604.
- Fruit-picker's receptacle. C. W. Brewster. No. 892,127; June 30; Sp. p. 5970; Dr. p. 1283; Gaz. vol. 134; p. 2138.
- Fruit-press. W. Ruppel. No. 876,095; Jan. 7; Sp. p. 800; Dr. p. 171; Gaz. vol. 132; p. 136.
- Fruit-pulping apparatus. J. Hulings and S. E. Craig. No. 881,186; Mar. 10; Sp. p. 1378; Dr. p. 297; Gaz. vol. 133; p. 264.
- Fruit-seeding machine. I. R. Hutchinson and B. Hunt. No. 887,724; May 12; Sp. p. 2805; Dr. p. 593; Gaz. vol. 134; p. 487.
- Fruit-seeding machine. I. R. Hutchinson and B. Hunt. No. 887,725; May 12; Sp. p. 2807; Dr. p. 593; Gaz. vol. 134; p. 487.
- Fruit separating or assorting machine. J. H. Urquhart. No. 888,130; May 19; Sp. p. 3618; Dr. pp. 758-9; Gaz. vol. 134; p. 647.
- Fruit-sizer. R. P. Redmond. No. 901,188; Oct. 13; Sp. p. 2311; Dr. pp. 473-4; Gaz. vol. 136; p. 1463.
- Fruit-sorting machine. F. B. Pease. No. 898,600; Sept. 15; Sp. p. 2737; Dr. p. 585; Gaz. vol. 136; p. 502.
- Fruits and other produce, Appliance for use in storing fresh. F. W. Meakin. No. 887,827; May 19; Sp. p. 3040; Dr. p. 639; Gaz. vol. 134; p. 550.
- Fruits, &c., Machine for washing and scalding. P. S. Baker and O. E. Vance. No. 898,954; Sept. 15; Sp. p. 3387; Dr. p. 727; Gaz. vol. 136; p. 617.
- Fruits, vegetables, &c., Receptacle for holding. A. J. Thrower. No. 903,918; Nov. 17; Sp. p. 2819; Gaz. vol. 137; p. 516.
- Frying-pan. J. Csincsak. No. 888,002; May 19; Sp. p. 3384; Dr. p. 711; Gaz. vol. 134; p. 608.
- Frying-pan. L. I. Toothaker. No. 892,467; July 7; Sp. p. 150; Dr. p. 32; Gaz. vol. 135; p. 30.
- Fudging-machine. S. A. Krewson. No. 894,332; July 28; Sp. p. 4099; Dr. p. 846; Gaz. vol. 135; p. 722.
- Fuel and coke, Protection of artificial. H. S. Robertson and J. R. Graham. No. 877,738; Jan. 28; Sp. p. 4194; Gaz. vol. 132; p. 770.
- Fuel, Artificial. J. W. Ivery and C. M. Linthicum. No. 889,612; June 2; Sp. p. 831; Gaz. vol. 134; p. 1193.
- Fuel, Artificial. G. W. Herbein. No. 901,707; Oct. 20; Sp. p. 3468; Gaz. vol. 136; p. 1673.
- Fuel, Artificial. G. W. Herbein. No. 905,310; Dec. 1; Sp. p. 345; Gaz. vol. 137; p. 1044.
- Fuel, Artificial. J. W. Ivery. No. 906,431; Dec. 8; Sp. p. 2557; Gaz. vol. 137; p. 1440.
- Fuel, Binder for compressing. W. F. Giles. No. 889,518; June 2; Sp. p. 601; Gaz. vol. 134; p. 1163.
- Fuel-briquet. A. M. Mannewitz. No. 881,192; Mar. 10; Sp. p. 1389; Gaz. vol. 133; p. 266.
- Fuel-briquets, Manufacture of. D. Bennett. No. 895,943; Aug. 11; Sp. p. 2322; Dr. p. 4197; Gaz. vol. 135; p. 1301.
- Fuel-coke, Treatment of. H. L. Bruce. No. 906,379; Dec. 8; Sp. p. 2467; Gaz. vol. 137; p. 1423.
- Fuel, Facilitating the combustion of. N. W. Bloss. No. 894,110; July 21; Sp. p. 3608; Gaz. vol. 135; p. 629.
- Fuel-feed, Automatic. E. G. Oelfelt. No. 904,984; Nov. 24; Sp. p. 5053; Gaz. vol. 137; p. 901.
- Fuel heating-burner, Liquid. K. Katschmid. No. 906,237; Dec. 8; Sp. p. 2210; Gaz. vol. 137; p. 1378.
- Fuel-igniting device. F. S. Calise. No. 890,212; June 9; Sp. p. 2038; Dr. p. 449; Gaz. vol. 134; p. 1416.
- Fuel, Machine for manufacturing peat. R. A. Kellond. No. 878,732; Feb. 11; Sp. p. 1780; Dr. p. 368; Gaz. vol. 132; p. 1159.
- Fuel, Making artificial. G. W. Herbein. No. 907,998; Dec. 29; Sp. p. 5724; Gaz. vol. 137; p. 2042.
- Fuel, Manufacture of artificial. A. W. H. Vivian. No. 900,619; Oct. 6; Sp. p. 1177; Gaz. vol. 136; p. 1253.
- Fuel-manufacturing apparatus. P. Hoering. No. 878,480; Feb. 4; Sp. p. 1201; Dr. p. 247; Gaz. vol. 132; p. 1043.
- Fuel, Means for increasing and promoting the combustion of. G. R. Torrey. No. 877,142; Jan. 21; Sp. p. 3004; Dr. p. 649; Gaz. vol. 132; p. 555.
- Fuel-regulator. C. B. and F. E. Wieser. No. 908,179; Dec. 29; Sp. p. 6089; Gaz. vol. 137; p. 2102.
- Fuel, Waterproofing material for artificial. J. W. Ivery and C. M. Linthicum. No. 889,611; June 2; Sp. p. 830; Gaz. vol. 134; p. 1162.
- Fume-arrester. S. I. Clawson. No. 880,506; Mar. 3; Sp. p. 29; Dr. p. 7; Gaz. vol. 133; p. 8.
- Fume-arrester. H. Howard. No. 896,111; Aug. 18; Sp. p. 2659; Dr. p. 574; Gaz. vol. 135; p. 1377.
- Fume-condensing apparatus. J. R. Moffitt. No. 882,073; Mar. 17; Sp. p. 3197; Dr. pp. 679-80; Gaz. vol. 133; p. 582.
- Fume-condensing apparatus. L. C. Laurent. No. 907,379; Dec. 22; Sp. p. 4393; Gaz. vol. 137; p. 1808.
- Fumigating tent and using the same. A. W. Morrill. No. 902,674; Nov. 3; Sp. p. 274; Gaz. vol. 137; p. 47.
- Fumigator. D. F. Foltz. No. 902,574; Nov. 3; Sp. p. 83; Gaz. vol. 137; p. 14.
- Fumigator. H. W. Curtis. No. 907,319; Dec. 22; Sp. p. 4282; Gaz. vol. 137; p. 1789.
- Funnel. B. F. Bee. No. 881,891; Mar. 17; Sp. p. 2817; Dr. p. 601; Gaz. vol. 133; p. 522.
- Funnel. B. R. Burg. No. 883,289; Mar. 31; Sp. p. 5590; Dr. p. 1191; Gaz. vol. 133; p. 1041.
- Funnel. J. P. Murtha. No. 886,237; Apr. 28; Sp. p. 3257; Dr. p. 1107; Gaz. vol. 133; p. 2117.
- Funnel and dipper, Combined. H. H. Hanson. No. 884,489; Apr. 14; Sp. p. 1662; Dr. p. 357; Gaz. vol. 133; p. 1487.
- Fur-blowing machines, Riddle for. H. B. Fanton. No. 900,993; Oct. 13; Sp. p. 1961; Dr. p. 399; Gaz. vol. 136; p. 1402.
- Fur for felt, Machine for carotting or otherwise preparing. J. Langley. No. 903,992; Nov. 17; Sp. p. 2955; Gaz. vol. 137; p. 539.
- Fur-nail-picking machine. A. Dioszeghy. No. 901,697; Oct. 20; Sp. p. 3441; Dr. p. 698; Gaz. vol. 136; p. 1670.
- Fur-skins, Ornamenting. T. Rasmus. No. 893,372; July 14; Sp. p. 1969; Dr. p. 414; Gaz. vol. 135; p. 354.
- Furs, Fastener for. A. Klein. No. 892,852; July 7; Sp. p. 921; Dr. p. 195; Gaz. vol. 135; p. 154.
- Furnace. See Air-heating furnace; Annealing-furnace; Assay-furnace; Automatic furnace; Billet-heating furnace; Blast-furnace; Boiler-furnace; Boiler and other furnace; Casting-furnace; Cement-burning furnace; Crucible-furnace; Desulfurizing-furnace; Down-draft-furnace; Electric furnace; Electric-arc furnace; Electric induction-furnace; Electric transformer-furnace; Fine-fuel furnace; Fluid-fuel furnace; Forging and riveting furnace; Gas-furnace; Gas-burning furnace; Gas-producing furnace; Glass-furnace; Glass-tank furnace; Grate-furnace; Heating-furnace; Hot-air furnace; Incinerating-furnace; Iron-foundry mixing-furnace; Liquefaction-furnace; Liquid-fuel furnace; Locomotive-furnace; Melting-furnace; Metal-heating furnace; Metallurgical furnace; Oil-furnace; Oil-burning furnace; Ore-reducing furnace; Ore-roasting furnace; Plunging-furnace; Portable furnace; Puddling-furnace; Recuperative furnace; Reduction-furnace; Regenerative furnace; Retort-furnace; Reverberatory furnace; Roasting-furnace; Roasting and smelting furnace; Rotary furnace; Rotary-retort furnace; Smelting-furnace; Smoke-consuming furnace; Smoke-preventing furnace; Smokeless furnace; Soldering-furnace; Spelter-furnace; Transformer-furnace; Traveling-grate furnace; Underfeed-furnace; Updraft-furnace.

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- Furnace. J. C. Knoeppel. No. 875,825; Jan. 7; Sp. p. 277; Dr. pp. 60-1; Gaz. vol. 132; p. 52.
 Furnace. E. N. Snitjer. No. 877,871; Jan. 28; Sp. p. 4432; Dr. p. 965; Gaz. vol. 132; p. 812.
 Furnace. J. H. Bennett. No. 880,710; Mar. 3; Sp. p. 440; Dr. p. 92; Gaz. vol. 133; p. 77.
 Furnace. J. A. Waldburger. No. 880,840; Mar. 3; Sp. p. 726; Dr. pp. 152-3; Gaz. vol. 133; p. 123.
 Furnace. H. Bluhm and J. H. Regan. No. 882,616; Mar. 24; Sp. p. 4228; Dr. p. 896; Gaz. vol. 133; p. 791.
 Furnace. M. V. Smith. No. 883,057; Mar. 24; Sp. p. 5088; Dr. p. 1087; Gaz. vol. 133; p. 934.
 Furnace. A. Smallwood. No. 883,916; Apr. 7; Sp. p. 495; Dr. pp. 98-9; Gaz. vol. 133; p. 1271.
 Furnace. A. F. Miller. No. 885,356; Apr. 21; Sp. p. 3487; Dr. p. 727; Gaz. vol. 133; p. 1804.
 Furnace. F. Gold. No. 886,205; Apr. 28; Sp. p. 5200; Dr. p. 1095; Gaz. vol. 133; p. 2106.
 Furnace. C. W. Smith. No. 886,261; Apr. 28; Sp. p. 5303; Dr. p. 1116; Gaz. vol. 133; p. 2125.
 Furnace. J. D. F. Andrews. No. 888,380; May 19; Sp. p. 4088; Dr. p. 863; Gaz. vol. 134; p. 728.
 Furnace. J. J. Jones. No. 888,815; May 26; Sp. p. 5030; Dr. pp. 1072-3; Gaz. vol. 134; p. 904.
 Furnace. J. Greis. No. 889,366; June 2; Sp. p. 343; Dr. p. 80; Gaz. vol. 134; p. 1113.
 Furnace. C. Schweizer. No. 889,976; June 9; Sp. p. 1553; Dr. p. 350; Gaz. vol. 134; p. 1336.
 Furnace. G. O. Richards and M. S. Miller. No. 893,196; July 14; Sp. p. 1642; Dr. p. 346; Gaz. vol. 135; p. 296.
 Furnace. F. T. Snyder. No. 896,167; Aug. 18; Sp. p. 2750; Dr. p. 592; Gaz. vol. 135; p. 1394.
 Furnace. A. Jay. No. 899,053; Sept. 22; Sp. p. 3573; Dr. pp. 765-6; Gaz. vol. 136; p. 675.
 Furnace. W. A. Garvens. No. 900,513; Oct. 6; Sp. p. 955; Dr. pp. 193-4; Gaz. vol. 136; p. 1217.
 Furnace. H. A. Poppenhusen and J. Harrington. No. 901,038; Oct. 13; Sp. p. 2043; Dr. pp. 415-16; Gaz. vol. 136; p. 1416.
 Furnace. J. F. Monnot. No. 901,986; Oct. 27; Sp. p. 4036; Dr. pp. 818-19; Gaz. vol. 136; p. 1793.
 Furnace. G. W. Cope. No. 902,714; Nov. 3; Sp. p. 366; Gaz. vol. 137; p. 62.
 Furnace. A. H. Kidney. No. 902,970; Nov. 3; Sp. p. 872; Gaz. vol. 137; p. 145.
 Furnace. S. T. Bleyer. No. 903,163; Nov. 10; Sp. p. 1249; Gaz. vol. 137; p. 237.
 Furnace. O. Hile. No. 903,720; Nov. 10; Sp. p. 2370; Gaz. vol. 137; p. 416.
 Furnace. F. S. Harmon. No. 905,872; Dec. 8; Sp. p. 1504; Gaz. vol. 137; p. 1260.
 Furnace. J. G. Engelhart. No. 908,228; Dec. 29; Sp. p. 6222; Gaz. vol. 137; p. 2120.
 Furnace. J. P. McLimans. No. 908,311; Dec. 29; Sp. p. 6369; Gaz. vol. 137; p. 2148.
 Furnace air-preheater. H. J. Parker. No. 907,395; Dec. 22; Sp. p. 4421; Gaz. vol. 137; p. 1813.
 Furnace and crucible refractory material. W. Rippey. No. 905,925; Dec. 8; Sp. p. 1607; Gaz. vol. 137; p. 1277.
 Furnace apparatus, Blast-. W. Kennedy. No. 884,665; Apr. 14; Sp. p. 2058; Dr. pp. 439-40; Gaz. vol. 133; p. 1545.
 Furnace arch construction. F. Orth. No. 880,910; Mar. 3; Sp. p. 868; Dr. p. 186; Gaz. vol. 133; p. 146.
 Furnace arch, Locomotive-. C. B. Moore. No. 904,494; Nov. 17; Sp. p. 4033; Gaz. vol. 137; p. 710.
 Furnace attachment. G. A. Gustafson. No. 880,656; Mar. 3; Sp. p. 338; Dr. pp. 73-4; Gaz. vol. 133; p. 59.
 Furnace attachment. R. G. Speer. No. 895,054; Aug. 4; Sp. p. 558; Dr. p. 115; Gaz. vol. 135; p. 986.
 Furnace attachment. F. L. Watson. No. 908,176; Dec. 29; Sp. p. 6081; Gaz. vol. 137; p. 2101.
 Furnace automatic explosion or bleeder valve, Blast-. A. G. Witting and A. O. Baer. No. 903,425; Nov. 10; Sp. p. 1771; Gaz. vol. 137; p. 322.
 Furnace bosh-jacket and bosh-plate. F. C. Roberts. No. 897,016; Aug. 25; Sp. p. 4529; Dr. p. 969; Gaz. vol. 135; p. 1696.
 Furnace-burner. W. T. Fling. No. 895,989; Aug. 11; Sp. p. 2452; Dr. p. 529; Gaz. vol. 135; p. 1320.
 Furnace-charging apparatus, Blast-. F. B. Goldey. No. 885,920; Apr. 28; Sp. p. 4642; Dr. p. 977; Gaz. vol. 133; p. 2013.
 Furnace-charging apparatus, Blast-. D. I. Miller. No. 888,723; May 26; Sp. p. 4810; Dr. pp. 1024-5; Gaz. vol. 134; p. 873.
 Furnace-charging apparatus, Blast-. M. J. Shannon. No. 898,012; Sept. 8; Sp. p. 1595; Dr. p. 340; Gaz. vol. 136; p. 282.
 Furnace-charging apparatus, Blast-. M. J. Shannon. No. 898,071; Sept. 8; Sp. p. 1719; Dr. pp. 364-5; Gaz. vol. 136; p. 301.
 Furnace-charging apparatus, Blast-. A. P. Aiken. No. 898,818; Sept. 15; Sp. p. 3151; Dr. p. 674; Gaz. vol. 136; p. 572.
 Furnace-charging apparatus, Blast-. H. D. Williams and W. Ahlen. No. 903,423; Nov. 10; Sp. p. 1766; Gaz. vol. 137; p. 321.
 Furnace-charging apparatus, Blast-. A. N. Diehl. No. 907,134; Dec. 22; Sp. p. 3903; Gaz. vol. 137; p. 1725.
 Furnace-charging box. G. A. Hassel. No. 876,640; Jan. 14; Sp. p. 1980; Dr. p. 430; Gaz. vol. 132; p. 351.
 Furnace-charging device, Blast-. A. G. McKee. No. 890,569; June 9; Sp. p. 2753; Dr. p. 609; Gaz. vol. 134; p. 1531.
 Furnace-charging machine. R. B. Brown. No. 898,089; Sept. 8; Sp. p. 1750; Dr. p. 372; Gaz. vol. 136; p. 307.
 Furnace-charging mechanism. D. Baker. No. 889,571; June 2; Sp. p. 753; Dr. pp. 173-4; Gaz. vol. 134; p. 1179.
 Furnace circulatory system. B. L. Worthen. No. 894,869; Aug. 4; Sp. p. 131; Dr. p. 29; Gaz. vol. 135; p. 923.
 Furnace construction. W. A. Walker. Sr. No. 906,341; Dec. 8; Sp. p. 2403; Gaz. vol. 137; p. 1412.
 Furnace construction, Brick for. A. Cotton. No. 907,683; Dec. 22; Sp. p. 5071; Gaz. vol. 137; p. 1909.
 Furnace-cover-operating mechanism, Pit-. D. L. Mekeel. No. 892,865; July 7; Sp. p. 946; Dr. p. 199; Gaz. vol. 135; p. 158.
 Furnace-door. H. H. Magwire. No. 876,819; Jan. 14; Sp. p. 2296; Dr. p. 505; Gaz. vol. 132; p. 406.
 Furnace-door. A. Cotton. No. 885,727; Apr. 28; Sp. p. 4232; Dr. pp. 886-7; Gaz. vol. 133; p. 1949.
 Furnace-door. C. G. Y. King. No. 890,067; June 9; Sp. p. 1749; Dr. p. 388; Gaz. vol. 134; p. 1368.
 Furnace-door. P. Luli. No. 893,178; July 14; Sp. p. 1599; Dr. p. 339; Gaz. vol. 135; p. 291.
 Furnace-door. S. P. Howe. No. 902,966; Nov. 3; Sp. p. 867; Gaz. vol. 137; p. 144.
 Furnace-door opener and closer. L. Andrews. No. 890,325; June 9; Sp. p. 2299; Dr. p. 507; Gaz. vol. 134; p. 1452.
 Furnace-door protector. H. J. Marx. No. 886,144; Apr. 28; Sp. p. 5101; Dr. p. 1071; Gaz. vol. 133; p. 2087.
 Furnace draft-regulator, Boiler-. G. Steele. No. 892,565; July 7; Sp. p. 325; Dr. pp. 71-2; Gaz. vol. 135; p. 61.
 Furnace-feeding apparatus. H. E. Smythe. No. 887,535; May 12; Sp. p. 2462; Dr. pp. 519-20; Gaz. vol. 134; p. 424.
 Furnace-feeding apparatus. W. H. Bradley. No. 893,432; July 14; Sp. p. 2110; Dr. pp. 442-3; Gaz. vol. 135; p. 375.
 Furnace-feeding device. U. Wedge. No. 890,543; June 9; Sp. p. 2700; Dr. p. 596; Gaz. vol. 134; p. 1521.
 Furnace-feeding mechanism. F. Kingsley. No. 900,390; Oct. 6; Sp. p. 673; Dr. p. 138; Gaz. vol. 136; p. 1177.
 Furnace for effecting fusion for refining. E. A. O. Viel. No. 895,519; Aug. 11; Sp. p. 1494; Dr. pp. 315-16; Gaz. vol. 135; p. 1166.
 Furnace for metallurgical and smelting purposes. K. Birkeland and S. Eyde. No. 839,431; June 2; Sp. p. 479; Dr. p. 114; Gaz. vol. 134; p. 1135.
 Furnace front and door. T. Downie and D. Brown. No. 880,511; Mar. 3; Sp. p. 36; Dr. p. 9; Gaz. vol. 133; p. 10.
 Furnace fuel-feeder. G. W. Gardner. No. 887,085; May 12; Sp. p. 1492; Dr. pp. 316-17; Gaz. vol. 134; p. 274.
 Furnace-fumes, Means for exhausting and condensing. A. H. Kidney. No. 903,099; Nov. 3; Sp. p. 1129; Gaz. vol. 137; p. 185.
 Furnace-grate. H. Sieben and L. Danhoff. No. 878,246; Feb. 4; Sp. p. 725; Dr. p. 147; Gaz. vol. 132; p. 965.
 Furnace-grate. W. O. Root. No. 879,908; Feb. 25; Sp. p. 4195; Dr. p. 876; Gaz. vol. 132; p. 1614.
 Furnace-grate. J. J. O'Brien. No. 882,794; Mar. 24; Sp. p. 4571; Dr. pp. 974-5; Gaz. vol. 133; p. 848.
 Furnace-grate. J. M. Blades. No. 884,005; Apr. 7; Sp. p. 682; Dr. p. 137; Gaz. vol. 133; p. 1301.
 Furnace-grate. C. E. Bibb. No. 890,552; June 9; Sp. p. 2717; Dr. pp. 600-1; Gaz. vol. 134; p. 1525.
 Furnace-grate. J. D. Savery. No. 906,823; Dec. 15; Sp. p. 3291; Gaz. vol. 137; p. 1591.
 Furnace-grate and fire-bar. R. Campbell. No. 902,135; Oct. 27; Sp. p. 4317; Dr. p. 874; Gaz. vol. 136; p. 1839.
 Furnace-grate rocking and locking device. F. W. Ridlon. No. 887,523; May 12; Sp. p. 2441; Dr. p. 515; Gaz. vol. 134; p. 419.
 Furnace grate, Steam-boiler-. H. Schofield. No. 899,910; Sept. 29; Sp. p. 5304; Dr. p. 1134; Gaz. vol. 136; p. 990.
 Furnace horizontally-moving leveling-rod, Horizontal-. H. Koppers. No. 907,818; Dec. 29; Sp. p. 5341; Gaz. vol. 137; p. 1984.
 Furnace lid-lifting apparatus, Pit-. R. Rückels. No. 891,863; June 30; Sp. p. 5467; Dr. p. 1181; Gaz. vol. 134; p. 2053.
 Furnace method, Electric-. F. M. Becket. No. 892,212; June 30; Sp. p. 6141; Dr. p. 1323; Gaz. vol. 134; p. 2167.
 Furnace muffler, Electric-. J. F. Hammond and R. B. Savin. No. 904,529; Nov. 24; Sp. p. 4108; Gaz. vol. 137; p. 749.
 Furnace-port-cooling means. F. E. Parks and H. A. Deuel. No. 896,937; Aug. 25; Sp. p. 4352; Dr. p. 933; Gaz. vol. 135; p. 1670.
 Furnace process, Electric-. F. von Kügelgen and G. O. Seward. No. 880,743; Mar. 3; Sp. p. 514; Dr. p. 106; Gaz. vol. 133; p. 89.
 Furnace process, Electric-. G. O. Seward and F. von Kügelgen. No. 898,691; Sept. 15; Sp. p. 2925; Dr. p. 626; Gaz. vol. 136; p. 532.
 Furnace-protecting envelop. F. Pin. No. 907,280; Dec. 22; Sp. p. 4215; Gaz. vol. 137; p. 1775.
 Furnace-regulator. E. G. Tilden. No. 893,254; July 14; Sp. p. 1815; Dr. p. 381; Gaz. vol. 135; p. 327.
 Furnace-regulator. J. Watson. No. 906,590; Dec. 15; Sp. p. 2553; Gaz. vol. 137; p. 1517.
 Furnace-roof. W. Schleicher. No. 895,051; Aug. 4; Sp. p. 554; Dr. p. 114; Gaz. vol. 135; p. 985.
 Furnace-roof. F. Milliken. No. 895,388; Aug. 4; Sp. p. 1217; Dr. pp. 256-7; Gaz. vol. 135; p. 1098.
 Furnace slag, Ladle for carrying and tipping blast-. J. H. Dewhurst. No. 906,117; Dec. 8; Sp. p. 1978; Gaz. vol. 137; p. 1337.
 Furnace, Smoke-consuming forced-draft steam-boiler. A. Cotton. No. 907,572; Dec. 22; Sp. p. 4769; Gaz. vol. 137; p. 1871.
 Furnace spout, Smelting-. D. H. Browne. No. 886,286; Apr. 28; Sp. p. 5356; Dr. p. 1126; Gaz. vol. 133; p. 2134.
 Furnace-stoking device, Automatic. T. E. Murray. No. 884,603; Apr. 14; Sp. p. 1896; Dr. p. 407; Gaz. vol. 133; p. 1525.
 Furnace-stoking device, Automatic. T. E. Murray. No. 885,635; Apr. 21; Sp. p. 4027; Dr. pp. 841-2; Gaz. vol. 133; p. 1889.
 Furnace supplemental draft device. J. C. Teller. No. 881,166; Mar. 10; Sp. p. 1341; Dr. p. 259; Gaz. vol. 133; p. 258.
 Furnace-tapping spout. C. C. Johnson. No. 892,263; June 30; Sp. p. 6241; Dr. p. 1342; Gaz. vol. 134; p. 2184.
 Furnace-tilting mechanism. D. R. Steele. No. 900,043; Sept. 29; Sp. p. 5614; Dr. p. 1138; Gaz. vol. 136; p. 1034.
 Furnace-wall. K. C. Hoxie. No. 886,370; May 5; Sp. p. 54; Dr. pp. 11-12; Gaz. vol. 134; p. 14.
 Furnaces, Air-feeding grate for. J. O. Schmidt. No. 886,546; May 5; Sp. p. 402; Dr. p. 85; Gaz. vol. 134; p. 74.

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- Furnaces, Air-regulator for. A. Cotton. No. 899,102; Sept. 22; Sp. p. 3671; Dr. p. 786; Gaz. vol. 136; p. 692.
 Furnaces and the like, Consuming smoke in boiler. H. Broad. No. 880,966; Mar. 3; Sp. p. 966; Dr. pp. 208-9; Gaz. vol. 133; p. 163.
 Furnaces and the like, Door for. H. Ries. No. 890,175; June 9; Sp. p. 1970; Dr. pp. 434-5; Gaz. vol. 134; p. 1404.
 Furnaces, Apparatus for automatically conveying bottles, &c., into annealing-. C. Brauer. No. 898,179; Sept. 8; Sp. p. 1934; Dr. p. 413; Gaz. vol. 136; p. 335.
 Furnaces, Apparatus for burning fuel in. E. M. Bunce. No. 906,194; Dec. 8; Sp. p. 2120; Gaz. vol. 137; p. 1363.
 Furnaces, Apparatus for charging. H. A. Prosser and J. B. Ladd. No. 894,392; July 28; Sp. p. 4221; Dr. pp. 870-1; Gaz. vol. 135; p. 741.
 Furnaces, Apparatus for handling matte and slag of copper blast-. G. K. Fischer. No. 906,622; Dec. 15; Sp. p. 2911; Gaz. vol. 137; p. 1527.
 Furnaces, &c., Ash-collecting box attachment for. J. Galvin. No. 879,622; Feb. 18; Sp. p. 3573; Dr. p. 748; Gaz. vol. 132; p. 1487.
 Furnaces, Blast-heating apparatus for. W. A. Wheeler. No. 891,452; June 23; Sp. p. 4590; Dr. p. 998; Gaz. vol. 134; p. 1885.
 Furnaces, boilers, ranges, &c., Portable fire-box partition for. M. D. Mason. No. 888,630; May 26; Sp. p. 4627; Dr. p. 981; Gaz. vol. 134; p. 844.
 Furnaces, Charging blast-. H. D. Williams, W. Ahlen, and A. N. Diehl. No. 905,125; Nov. 24; Sp. p. 5334; Gaz. vol. 137; p. 949.
 Furnaces, Combustion and damper regulator for. F. H. Brown. No. 883,283; Mar. 31; Sp. p. 5570; Dr. pp. 1188-9; Gaz. vol. 133; p. 1039.
 Furnaces, Construction of induction electric. G. Gin. No. 875,801; Jan. 7; Sp. p. 239; Dr. p. 51; Gaz. vol. 132; p. 44.
 Furnaces, Dog-house for open-hearth. A. Cruickshank. No. 888,962; May 26; Sp. p. 5336; Dr. p. 1132; Gaz. vol. 134; p. 952.
 Furnaces, Drying air for blast-. D. T. Day. No. 897,356; Sept. 1; Sp. p. 221; Dr. p. 47; Gaz. vol. 136; p. 34.
 Furnaces, Dust-trap for hot-air. J. M. Sager. No. 899,810; Sept. 29; Sp. p. 5112; Dr. p. 1093; Gaz. vol. 136; p. 959.
 Furnaces, Fire-bar applicable for steam-boiler and other. E. Bennis. No. 889,892; June 9; Sp. p. 1386; Dr. p. 314; Gaz. vol. 134; p. 1307.
 Furnaces, Flue and valve system for. J. B. McKennan. No. 881,328; Mar. 10; Sp. p. 1668; Dr. pp. 358-9; Gaz. vol. 133; p. 311.
 Furnaces for metallurgical purposes, Means for obtaining thin liquid dross in electric. H. Röchling and W. Rodenhauser. No. 877,739; Jan. 28; Sp. p. 4197; Dr. p. 909; Gaz. vol. 132; p. 771.
 Furnaces, Gas-burning attachment for. G. G. Weinman. No. 899,275; Sept. 22; Sp. p. 4038; Dr. p. 863; Gaz. vol. 136; p. 749.
 Furnaces, Gate-surface of. E. Gold. No. 885,608; Apr. 21; Sp. p. 3974; Dr. pp. 829-30; Gaz. vol. 133; p. 1880.
 Furnaces, Hood for hot-air. E. O. Haskins. No. 876,873; Jan. 14; Sp. p. 2404; Dr. p. 524; Gaz. vol. 132; p. 424.
 Furnaces, Hot-air-distributing device for. J. L. Murphy. No. 901,814; Oct. 20; Sp. p. 3673; Dr. p. 746; Gaz. vol. 136; p. 1706.
 Furnaces in steam-engines, Baffle for oil-burning. J. Limerick. No. 882,662; Sept. 15; Sp. p. 2868; Dr. p. 613; Gaz. vol. 136; p. 522.
 Furnaces, Means for attaching stirring-arms to shafts in mechanical roasting-. W. Troeller. No. 904,819; Nov. 24; Sp. p. 4712; Gaz. vol. 137; p. 847.
 Furnaces, Mechanical ore-feeder for blast-. F. S. Sanderson. No. 879,839; Feb. 18; Sp. p. 4001; Dr. pp. 837-8; Gaz. vol. 132; p. 1558.
 Furnaces, Nozzle for the supply of liquid or gaseous fuel to. O. Bender. No. 881,842; Mar. 10; Sp. p. 2678; Dr. p. 573; Gaz. vol. 133; p. 476.
 Furnaces of the channel type, Method of and means for utilizing the heat in. G. Gröndal. No. 876,712; Jan. 14; Sp. p. 2110; Dr. pp. 460-2; Gaz. vol. 132; p. 374.
 Furnaces, Oil-burner for. E. H. Peabody. No. 880,693; Mar. 3; Sp. p. 397; Dr. p. 86; Gaz. vol. 133; p. 71.
 Furnaces, Preparing fine particles of iron oxide for use in blast-. U. Wedge. No. 889,563; June 2; Sp. p. 745; Gaz. vol. 134; p. 1177.
 Furnaces, Radiator for hot-air. F. Kernan. No. 892,737; July 7; Sp. p. 583; Dr. p. 144; Gaz. vol. 135; p. 117.
 Furnaces, Receiving vessels, or the like, Charging device for. L. Mond. No. 891,713; June 23; Sp. p. 5143; Dr. p. 1111; Gaz. vol. 134; p. 1971.
 Furnaces, Regulation of polyphosph. R. Fleming. No. 904,194; Nov. 17; Sp. p. 3395; Gaz. vol. 137; p. 610.
 Furnaces, Reversing-valve for regenerative. J. B. Nau. No. 878,306; Feb. 4; Sp. p. 847; Dr. p. 168; Gaz. vol. 132; p. 984.
 Furnaces, Sheet for boiler-. T. C. Rogerson and P. Rentchler. No. 882,420; Mar. 17; Sp. p. 3834; Dr. p. 818-19; Gaz. vol. 133; p. 693.
 Furnaces, Sprayer attachment for. G. H. Clements. No. 881,549; Mar. 10; Sp. p. 2097; Dr. p. 458; Gaz. vol. 133; p. 381.
 Furnaces, Stock-distributor and gas-seal for metallurgical. M. B. Parker. No. 883,044; Mar. 24; Sp. p. 5069; Dr. p. 1081; Gaz. vol. 133; p. 930.
 Furnaces, Stoking. C. W. Crosby. No. 888,787; May 26; Sp. p. 4958; Dr. pp. 1057-8; Gaz. vol. 134; p. 894.
 Furnaces, Supply and control of air for boiler and other. W. S. Hubbard. No. 883,885; Apr. 7; Sp. p. 436; Dr. p. 86; Gaz. vol. 133; p. 1261.
 Furnaces, Working gas-. P. Schmidt and A. Desgraz. No. 881,724; Mar. 10; Sp. p. 2454; Dr. pp. 528-9; Gaz. vol. 133; p. 437.
 Furniture. E. G. Hess. No. 877,423; Jan. 21; Sp. p. 3562; Dr. p. 770; Gaz. vol. 132; p. 648.
 Furniture. W. J. Tingdahl. No. 882,656; Mar. 24; Sp. p. 4303; Dr. p. 914; Gaz. vol. 133; p. 804.
 Furniture. E. Mayette. No. 885,271; Apr. 21; Sp. p. 3307; Dr. p. 690; Gaz. vol. 133; p. 1775.
 Furniture. W. Person. No. 888,734; May 26; Sp. p. 4827; Dr. p. 1030; Gaz. vol. 134; p. 876.
 Furniture. L. Faust and W. A. Brolin. (Reissue.) No. 12,837; Aug. 4; Sp. p. 1264; Dr. p. 266; Gaz. vol. 135; p. 1105.
 Furniture. F. N. Churchill. No. 901,152; Oct. 13; Sp. p. 2250; Dr. p. 457; Gaz. vol. 136; p. 1453.
 Furniture. L. Faust and W. A. Brolin. (Reissue.) No. 12,905; Dec. 29; Sp. p. 6663; Gaz. vol. 137; p. 2194.
 Furniture and bed spring, Edge-supporting. J. L. Radermacher. No. 902,604; Nov. 3; Sp. p. 151; Gaz. vol. 137; p. 25.
 Furniture and the like, Joint for detachably connecting to one another the parts of wooden. C. Könckow and A. Krüger. No. 892,165; June 30; Sp. p. 6046; Dr. p. 1300; Gaz. vol. 134; p. 2151.
 Furniture, Apartment wall. C. R. Jordan. No. 892,668; July 7; Sp. p. 537; Dr. p. 113; Gaz. vol. 135; p. 95.
 Furniture, Buffer. J. A. Vogel. No. 895,215; Aug. 4; Sp. p. 884; Dr. p. 185; Gaz. vol. 135; p. 1042.
 Furniture, Collapsible or folding. H. Raymond. No. 894,344; July 28; Sp. p. 4118; Dr. pp. 850-1; Gaz. vol. 135; p. 725.
 Furniture, Combination. T. J. Young. No. 882,772; Mar. 24; Sp. p. 4527; Dr. p. 966; Gaz. vol. 133; p. 841.
 Furniture, Combination. N. J. Côté. No. 891,040; June 16; Sp. p. 3759; Dr. pp. 820-1; Gaz. vol. 134; p. 1719.
 Furniture, Combined device for supporting and leveling. J. N. McIntire. No. 901,636; Oct. 20; Sp. p. 3280; Dr. p. 673; Gaz. vol. 136; p. 1647.
 Furniture, Dressing-room. P. O. Eckhardt. No. 897,072; Aug. 25; Sp. p. 4643; Dr. pp. 988-9; Gaz. vol. 135; p. 1715.
 Furniture-fastener. I. W. Sprout and R. E. Kester. No. 878,753; Feb. 11; Sp. p. 1818; Dr. p. 376; Gaz. vol. 132; p. 1166.
 Furniture, Folding. W. Rabich. No. 886,072; Apr. 28; Sp. p. 4958; Dr. p. 1042; Gaz. vol. 133; p. 2063.
 Furniture, Houshold. B. G. Eriksson. No. 885,226; Apr. 21; Sp. p. 3233; Dr. p. 674; Gaz. vol. 133; p. 1762.
 Furniture, Interlocking end in for sectional. G. W. Vosmer. No. 883,765; Apr. 7; Sp. p. 171; Dr. p. 30; Gaz. vol. 133; p. 1221.
 Furniture, Knockdown article of. P. Morrison. No. 894,033; July 21; Sp. p. 3465; Dr. p. 709; Gaz. vol. 135; p. 603.
 Furniture, Knockdown article of. P. Morrison. No. 906,909; Dec. 15; Sp. p. 3465; Gaz. vol. 137; p. 1618.
 Furniture leg and caster, Combined. C. Hyman. No. 880,997; Mar. 3; Sp. p. 1018; Dr. p. 219; Gaz. vol. 133; p. 174.
 Furniture, Metal. M. E. Stockwell. No. 876,888; Jan. 14; Sp. p. 2437; Dr. p. 531; Gaz. vol. 132; p. 429.
 Furniture, Post-office. R. T. Bourm. No. 902,934; Nov. 3; Sp. p. 811; Gaz. vol. 137; p. 134.
 Furniture-rack. V. C. Luppert. No. 893,856; July 21; Sp. p. 3094; Dr. pp. 632-3; Gaz. vol. 135; p. 544.
 Furniture-slat. F. P. Grode. No. 900,523; Oct. 6; Sp. p. 972; Dr. p. 197; Gaz. vol. 136; p. 1221.
 Furniture-spring. A. Weborg. No. 882,600; Mar. 24; Sp. p. 4191; Dr. p. 888; Gaz. vol. 133; p. 785.
 Furniture, Store. W. E. Bailey and W. A. Kelsey. No. 878,853; Feb. 11; Sp. p. 2012; Dr. p. 416; Gaz. vol. 132; p. 1198.
 Furniture-support. E. Hackh. No. 906,873; Dec. 15; Sp. p. 3399; Gaz. vol. 137; p. 1606.
 Furniture support, Swinging-. W. H. Virgie. No. 904,578; Nov. 24; Sp. p. 4206; Gaz. vol. 137; p. 765.
 Furniture, Upholstered. H. J. Jacobs. No. 880,738; Mar. 3; Sp. p. 504; Dr. p. 104; Gaz. vol. 133; p. 87.
 Furrow-maker and fertilizer-distributor, Combined. W. O. Cumming. No. 883,000; Mar. 24; Sp. p. 4991; Dr. p. 1061; Gaz. vol. 133; p. 916.
 Furrow-opener. O. F. Orndoff and L. T. Rasmussen. No. 885,641; Apr. 21; Sp. p. 4056; Dr. pp. 847-8; Gaz. vol. 133; p. 1891.
 Furrow-opener. C. S. Kemper. No. 893,520; July 14; Sp. p. 2297; Dr. p. 482; Gaz. vol. 135; p. 403.
 Furrow-opener. S. A. Pogue. No. 907,281; Dec. 22; Sp. p. 4217; Gaz. vol. 137; p. 1776.
 Furrowing-machine. W. Flentje. No. 902,388; Oct. 27; Sp. p. 4845; Dr. p. 920; Gaz. vol. 136; p. 1922.
 Fuse. E. Schattner. No. 888,355; May 19; Sp. p. 4041; Dr. p. 853; Gaz. vol. 134; p. 719.
 Fuse. B. A. Brown. No. 891,323; June 23; Sp. p. 4331; Dr. p. 944; Gaz. vol. 134; p. 1842.
 Fuse and fuse-box. F. L. Sessions. No. 881,965; Mar. 17; Sp. p. 2964; Dr. p. 631; Gaz. vol. 133; p. 546.
 Fuse attachment, Safety-. W. J. Boemper. No. 904,928; Nov. 24; Sp. p. 4947; Gaz. vol. 137; p. 882.
 Fuse block, Automatic multiple-. W. C. Mayo and J. Houlehan. No. 879,285; Feb. 18; Sp. p. 2842; Dr. pp. 596-7; Gaz. vol. 132; p. 1377.
 Fuse block, Revolving multiple-. E. Westerdahl. No. 887,559; May 12; Sp. p. 2510; Dr. p. 529; Gaz. vol. 134; p. 432.
 Fuse-box. H. P. Moore. No. 898,061; Sept. 8; Sp. p. 1704; Dr. p. 361; Gaz. vol. 136; p. 298.
 Fuse-box. J. O. Stivers. No. 898,698; Sept. 15; Sp. p. 2935; Dr. p. 629; Gaz. vol. 136; p. 534.
 Fuse-box and cut-out switch, Combined. C. C. Dawber. No. 895,977; Aug. 11; Sp. p. 2411; Dr. p. 517; Gaz. vol. 135; p. 1312.
 Fuse box and receptacle, Combined. H. R. Sargent. No. 894,704; July 28; Sp. p. 4535; Dr. p. 1005; Gaz. vol. 135; p. 843.
 Fuse-cap, Waterproof. T. M. Daniels. No. 900,670; Oct. 6; Sp. p. 1283; Dr. p. 262; Gaz. vol. 136; p. 1270.
 Fuse cut-out, Multiple electric. W. Boehm. No. 898,066; Sept. 8; Sp. p. 1747; Dr. p. 371; Gaz. vol. 136; p. 306.
 Fuse device. F. B. Hall. No. 876,273; Jan. 7; Sp. p. 1148; Dr. p. 250; Gaz. vol. 132; p. 193.
 Fuse, Device for locating a molten. F. Schultz. No. 905,594; Dec. 1; Sp. p. 970; Gaz. vol. 137; p. 1138.
 Fuse, Electric. F. Mackintosh. No. 876,984; Jan. 21; Sp. p. 2661; Dr. p. 579; Gaz. vol. 132; p. 502.

Alphabetical list of inventions—Continued.

- Fuse, Electric. S. J. Levean. No. 878,212; Feb. 4; Sp. p. 657; Dr. p. 133; Gaz. vol. 132; p. 953.
- Fuse, Electrical. A. G. Charters and J. G. Jones. No. 889,200; June 2; Sp. p. 23; Dr. p. 5; Gaz. vol. 134; p. 1061.
- Fuse-holder. B. D. Horton. No. 901,448; Oct. 20; Sp. p. 2905; Dr. p. 592; Gaz. vol. 136; p. 1587.
- Fuse-holder for electric-circuit conductors. P. McDonald. No. 884,519; Apr. 14; Sp. p. 1724; Dr. p. 370; Gaz. vol. 133; p. 1496.
- Fuse igniter, Blasting-. B. F. Pearson. No. 881,714; Mar. 10; Sp. p. 2439; Dr. p. 524; Gaz. vol. 133; p. 434.
- Fuse, Inclosed. F. H. Weston, Jr., and F. C. De Reamer. No. 890,255; June 9; Sp. p. 2135; Dr. p. 468; Gaz. vol. 134; p. 1430.
- Fuse, Inclosed. R. C. Cole. No. 895,431; Aug. 11; Sp. p. 1315; Dr. p. 277; Gaz. vol. 135; p. 1136.
- Fuse, Mechanical time-. J. Pangher. No. 880,818; Mar. 3; Sp. p. 665; Dr. pp. 140-1; Gaz. vol. 133; p. 115.
- Fuse, Mechanical time-. K. Wieser. No. 886,564; May 5; Sp. p. 435; Dr. p. 93; Gaz. vol. 134; p. 80.
- Fuse, Mechanical time-. J. F. Meigs and E. A. Gathmann. No. 896,135; Aug. 18; Sp. p. 2693; Dr. p. 581; Gaz. vol. 135; p. 1384.
- Fuse, Mine-. L. Lheure. No. 882,154; Mar. 17; Sp. p. 3329; Dr. p. 710; Gaz. vol. 133; p. 606.
- Fuse, Non-explosive. F. B. Cook. No. 905,503; Dec. 1; Sp. p. 802; Gaz. vol. 137; p. 1111.
- Fuse-plug and circuit-closer, Combined. F. F. Vendemore. No. 908,174; Dec. 29; Sp. p. 6077; Gaz. vol. 137; p. 2100.
- Fuse plug and holder, Indicating. C. E. Mentzer. No. 897,474; Sept. 1; Sp. p. 477; Dr. p. 102; Gaz. vol. 136; p. 76.
- Fuse-plug, Electrical. H. E. Bradley. No. 904,832; Nov. 24; Sp. p. 4744; Gaz. vol. 137; p. 851.
- Fuse, Projectile-. H. Maxim. No. 907,153; Dec. 22; Sp. p. 3940; Gaz. vol. 137; p. 1732.
- Fuse Safety-. J. Sachs. No. 897,852; Sept. 1; Sp. p. 1241; Dr. p. 266; Gaz. vol. 136; p. 197.
- Fuse, Safety-. F. D. Reynolds and J. Sachs. No. 901,261; Oct. 13; Sp. p. 2449; Dr. p. 502; Gaz. vol. 136; p. 1486.
- Fuse terminal, Inclosed-. R. C. Cole. No. 895,432; Aug. 11; Sp. p. 1315; Dr. p. 277; Gaz. vol. 135; p. 1136.
- Fuses, Tool for connecting up electric. F. M. Jacobs. No. 887,644; May 12; Sp. p. 2667; Dr. p. 563; Gaz. vol. 134; p. 459.
- Fuses, Torch for igniting blast-. J. Crighton. No. 893,309; July 14; Sp. p. 1856; Dr. p. 388; Gaz. vol. 135; p. 334.
- Fusing materials. G. F. Brindley. No. 884,563; Apr. 14; Sp. p. 1810; Dr. p. 389; Gaz. vol. 133; p. 1511.
- Gaff-hook. C. H. F. Kraft. No. 886,003; Apr. 28; Sp. p. 4818; Dr. p. 1012; Gaz. vol. 133; p. 2041.
- Gaff-hook, Folding. J. M. Thomson. No. 895,126; Aug. 4; Sp. p. 703; Dr. p. 147; Gaz. vol. 135; p. 1011.
- Gage: See Alarm-gage; Boiler water-gage; Bread-maker's gage; Calliper-gage; Carpenter's gage; Chamfer-gage; Coupling-gage; Curvature-gage; Feed-gage; Fluid-gage; Garment-gage; Gas-pressure gage; Ilair-spring gage; Hem and bias-fold gage; Hinge-gage; Hinge-butt gage; Hinge-seat gage; Jewel and pivot gage; Jeweler's gage; Liquid-gage; Liquid-depth gage; Marking-gage; Micrometer-gage; Press-gage; Pressure-gage; Printer's gage; Recording-gage; Register-gage; Rule-gage; Saw-gage; Saw-set gage; Scissors-gage; Self-registering gage; Sewing-machine gage; Shoemaker's gage; Shingle-gage; Siding-gage; Skiving-machine gage; Squaring-gage; Table-gage; Tank-gage; Track-gage; Valve-gage; Water-gage; Wind-gage.
- Gage. P. E. Goehle, Sr. No. 893,478; July 14; Sp. p. 2211; Dr. p. 464; Gaz. vol. 135; p. 389.
- Gage. G. M. Roth. No. 906,164; Dec. 8; Sp. p. 2063; Gaz. vol. 137; p. 1353.
- Gage and circuit-closer, Combined. J. F. Raynes. No. 878,423; Feb. 4; Sp. p. 1061; Dr. p. 215; Gaz. vol. 132; p. 1023.
- Gage and scriber, Carpenter's. A. Krehlik. No. 907,612; Dec. 22; Sp. p. 4889; Gaz. vol. 137; p. 1885.
- Gage and signal device, Combined. M. G. Melvin. No. 886,833; May 5; Sp. p. 1012; Dr. p. 212; Gaz. vol. 134; p. 106.
- Gage and signal device, Combined. M. G. Melvin. No. 908,300; Dec. 29; Sp. p. 6343; Gaz. vol. 137; p. 2143.
- Gage for carpenters' rules, &c. R. R. Lea. No. 877,934; Feb. 4; Sp. p. 78; Dr. p. 16; Gaz. vol. 132; p. 862.
- Gage-glass cock. R. M. and G. N. Shad. No. 908,337; Dec. 29; Sp. p. 6433; Gaz. vol. 137; p. 2157.
- Gages, Registering attachment for pressure-. P. Fee. No. 877,314; Jan. 21; Sp. p. 3364; Dr. p. 729; Gaz. vol. 132; p. 612.
- Gaining-machine. J. R. Thomas. No. 880,177; Feb. 25; Sp. p. 4718; Dr. p. 997; Gaz. vol. 132; p. 1702.
- Gaiter. H. Cohen. No. 882,235; Mar. 17; Sp. p. 3500; Dr. p. 742; Gaz. vol. 133; p. 631.
- Gaiter. H. Cohen. No. 897,714; Sept. 1; Sp. p. 959; Dr. p. 205; Gaz. vol. 136; p. 154.
- Galley-lock. A. S. Orchard. No. 889,036; May 26; Sp. p. 5458; Dr. p. 1160; Gaz. vol. 134; p. 975.
- Galleys, End piece for. O. L. Carter. No. 878,503; Feb. 11; Sp. p. 1307; Dr. p. 264; Gaz. vol. 132; p. 1083.
- Galloyanin and making same. C. De la Harpe and R. Burckhardt. No. 898,040; Sept. 8; Sp. p. 1659; Gaz. vol. 136; p. 291.
- Galloyanins with amins, Condensing. C. De la Harpe. No. 897,619; Sept. 1; Sp. p. 778; Gaz. vol. 136; p. 123.
- Galvanic battery, Reversible. H. C. Hubbell. No. 897,833; Sept. 1; Sp. p. 1206; Dr. p. 257; Gaz. vol. 136; p. 192.
- Galvanizing apparatus. L. L. Gibbs. No. 883,458; Mar. 31; Sp. p. 5952; Dr. pp. 1269-70; Gaz. vol. 133; p. 1097.
- Galvanizing sheet metal. C. Lebert, E. Roskoth, and K. Wirrh. No. 894,741; July 23; Sp. p. 4900; Dr. p. 1019; Gaz. vol. 135; p. 855.
- Galvanometer. S. G. Brown. No. 881,880; Mar. 10; Sp. p. 2773; Dr. p. 595; Gaz. vol. 133; p. 490.
- Galvanometer. L. E. Knott. No. 901,013; Oct. 13; Sp. p. 1999; Dr. p. 406; Gaz. vol. 136; p. 1409.
- Galvanometer, Testing-. H. T. Johnson and C. E. Avery. No. 903,195; Nov. 10; Sp. p. 1320; Gaz. vol. 137; p. 247.
- Gambrel, Hog-. J. A. Gratton. No. 892,719; July 7; Sp. p. 642; Dr. p. 136; Gaz. vol. 135; p. 112.
- Gambrel, Hog-. P. L. Brooks. No. 901,947; Oct. 27; Sp. p. 3927; Dr. pp. 801-2; Gaz. vol. 136; p. 1779.
- Game. F. M. Greer. No. 888,883; May 26; Sp. p. 5178; Dr. p. 1099; Gaz. vol. 134; p. 927.
- Game apparatus. J. Brucker. No. 876,324; Jan. 14; Sp. p. 1262; Dr. p. 274; Gaz. vol. 132; p. 242.
- Game apparatus. F. Wallstein. No. 877,814; Jan. 28; Sp. p. 4318; Dr. p. 937; Gaz. vol. 132; p. 793.
- Game apparatus. J. L. E. Pell and E. L. C. Clark. No. 878,309; Feb. 4; Sp. p. 854; Dr. p. 169; Gaz. vol. 132; p. 985.
- Game apparatus. S. D. Bowers. No. 878,334; Feb. 4; Sp. p. 899; Dr. p. 180; Gaz. vol. 132; p. 994.
- Game apparatus. F. H. Cook. No. 879,036; Feb. 11; Sp. p. 2344; Dr. p. 490; Gaz. vol. 132; p. 1254.
- Game apparatus. A. Iwan. No. 879,469; Feb. 18; Sp. p. 3244; Dr. p. 675; Gaz. vol. 132; p. 1437.
- Game apparatus. A. A. Walrath. No. 881,835; Mar. 10; Sp. p. 2665; Dr. p. 570; Gaz. vol. 133; p. 474.
- Game apparatus. O. E. Hurst. No. 882,945; Mar. 24; Sp. p. 4896; Dr. p. 1038; Gaz. vol. 133; p. 900.
- Game apparatus. J. F. Hughes. No. 884,277; Apr. 7; Sp. p. 1238; Dr. p. 260; Gaz. vol. 133; p. 1339.
- Game apparatus. G. N. McEvoy. No. 884,605; Apr. 14; Sp. p. 1901; Dr. p. 408; Gaz. vol. 133; p. 1525.
- Game apparatus. E. B. Mason. No. 884,674; Apr. 14; Sp. p. 2072; Dr. p. 443; Gaz. vol. 133; p. 1548.
- Game apparatus. T. A. Randall. No. 886,861; May 5; Sp. p. 1057; Dr. p. 222; Gaz. vol. 134; p. 174.
- Game apparatus. G. S. Parker. No. 887,014; May 5; Sp. p. 1342; Dr. p. 284; Gaz. vol. 134; p. 223.
- Game apparatus. A. McLane. No. 887,342; May 12; Sp. p. 2056; Dr. p. 430; Gaz. vol. 134; p. 360.
- Game apparatus. S. E. Creasey. No. 887,464; May 12; Sp. p. 2306; Dr. p. 485; Gaz. vol. 134; p. 399.
- Game apparatus. J. H. Lee. No. 888,337; May 19; Sp. p. 4004; Dr. p. 846; Gaz. vol. 134; p. 714.
- Game apparatus. E. M. Perfect. No. 888,350; May 19; Sp. p. 4033; Dr. p. 850; Gaz. vol. 134; p. 718.
- Game apparatus. C. W. Sears and H. G. Boesche. No. 888,660; May 26; Sp. p. 4691; Dr. p. 998; Gaz. vol. 134; p. 854.
- Game apparatus. A. N. Thomas. No. 889,066; May 26; Sp. p. 5509; Dr. p. 1171; Gaz. vol. 134; p. 985.
- Game apparatus. W. Terry. No. 890,104; June 9; Sp. p. 1814; Dr. p. 401; Gaz. vol. 134; p. 1380.
- Game apparatus. J. C. Fair. No. 891,333; June 23; Sp. p. 4362; Dr. p. 950; Gaz. vol. 134; p. 1840.
- Game apparatus. H. J. Finlay. No. 891,613; June 23; Sp. p. 4917; Dr. p. 1060; Gaz. vol. 134; p. 1936.
- Game apparatus. A. A. Bowling. No. 893,303; July 14; Sp. p. 1845; Dr. p. 386; Gaz. vol. 135; p. 332.
- Game apparatus. J. G. Seiler. No. 894,543; July 28; Sp. p. 4527; Dr. pp. 937-8; Gaz. vol. 135; p. 791.
- Game apparatus. J. Chaboty. No. 894,599; July 28; Sp. p. 4641; Dr. p. 962; Gaz. vol. 135; p. 809.
- Game apparatus. J. B. Mercer. No. 895,875; Aug. 11; Sp. p. 2204; Dr. p. 469; Gaz. vol. 135; p. 1280.
- Game apparatus. A. M. Foster. No. 898,350; Sept. 8; Sp. p. 2235; Dr. p. 477; Gaz. vol. 136; p. 388.
- Game apparatus. J. G. Patrick. No. 899,895; Sept. 29; Sp. p. 5280; Dr. p. 1129; Gaz. vol. 136; p. 986.
- Game apparatus. A. A. Storey. No. 901,206; Oct. 13; Sp. p. 2347; Dr. p. 480; Gaz. vol. 136; p. 1469.
- Game apparatus. N. W. Smead. No. 902,006; Oct. 27; Sp. p. 4069; Dr. p. 825; Gaz. vol. 136; p. 1799.
- Game apparatus. C. W. Courtney. No. 903,679; Nov. 10; Sp. p. 2303; Gaz. vol. 137; p. 404.
- Game apparatus. J. F. Simpson. No. 905,941; Dec. 8; Sp. p. 1635; Gaz. vol. 137; p. 1282.
- Game apparatus. H. A. Williams. No. 907,663; Dec. 22; Sp. p. 5032; Gaz. vol. 137; p. 1902.
- Game apparatus, Base-ball-. W. O. Dapping. No. 890,890; June 16; Sp. p. 3442; Dr. pp. 754-5; Gaz. vol. 134; p. 1668.
- Game-board. F. Peters. No. 877,594; Jan. 28; Sp. p. 3928; Dr. p. 850; Gaz. vol. 132; p. 725.
- Game-board. R. Dehls. No. 885,588; Apr. 21; Sp. p. 3940; Dr. p. 823; Gaz. vol. 133; p. 1874.
- Game-board. R. Forrest. No. 890,897; June 16; Sp. p. 3455; Dr. p. 757; Gaz. vol. 134; p. 1670.
- Game-board. J. Massoth. No. 892,669; July 7; Sp. p. 540; Dr. p. 114; Gaz. vol. 135; p. 95.
- Game-board. J. H. Trant. No. 895,128; Aug. 4; Sp. p. 706; Dr. p. 147; Gaz. vol. 135; p. 1011.
- Game-board. F. G. Perkins. No. 895,786; Aug. 11; Sp. p. 2039; Dr. p. 433; Gaz. vol. 135; p. 1251.
- Game-board. W. J. M. Walker. No. 896,340; Aug. 18; Sp. p. 3104; Dr. p. 667; Gaz. vol. 135; p. 1451.
- Game-board. M. C. Matthias. No. 898,587; Sept. 15; Sp. p. 2710; Dr. p. 579; Gaz. vol. 135; p. 498.
- Game-board. J. B. Rittenhouse. No. 898,684; Sept. 15; Sp. p. 2912; Dr. p. 624; Gaz. vol. 136; p. 529.
- Game-board. M. Christopherson. No. 902,376; Oct. 27; Sp. p. 4825; Dr. p. 975; Gaz. vol. 136; p. 1918.
- Game-choker. C. H. Kessler. No. 889,691; June 2; Sp. p. 988; Dr. p. 223; Gaz. vol. 134; p. 1218.
- Game-counter. J. C. Lewis. No. 879,183; Feb. 18; Sp. p. 2659; Dr. p. 554; Gaz. vol. 132; p. 1344.
- Game-counter. P. E. Scott. No. 893,019; July 15; Sp. p. 1289; Dr. p. 271; Gaz. vol. 135; p. 240.
- Game-counter and the like. H. G. Hose. No. 881,926; Mar. 17; Sp. p. 2284; Dr. p. 615; Gaz. vol. 133; p. 533.

Alphabetical list of inventions—Continued.

- Game device. E. Shinn. No. 890,716; June 16; Sp. p. 3097; Dr. p. 680; Gaz. vol. 134; p. 1612.
 Game device. S. C. Steinhardt and J. T. Neff. No. 907,421; Dec. 22; Sp. p. 4387; Gaz. vol. 137; p. 1822.
 Game or puzzle apparatus. L. E. Harriss. No. 897,469; Sept. 15; Sp. p. 2485; Dr. p. 531; Gaz. vol. 136; p. 460.
 Game-piece. W. A. Callanan. No. 890,259; June 9; Sp. p. 2140; Dr. p. 469; Gaz. vol. 134; p. 1431.
 Game-piece. F. Wallstein. No. 902,512; Oct. 27; Sp. p. 5141; Dr. p. 1041; Gaz. vol. 136; p. 1965.
 Game-piece. E. L. Chesebro. No. 907,571; Dec. 22; Sp. p. 4768; Gaz. vol. 137; p. 1871.
 Game-register. E. O. Parker and H. E. Grey. No. 902,320; Oct. 27; Sp. p. 4711; Dr. p. 953; Gaz. vol. 136; p. 1900.
 Game score-card. E. M. Sheeran. No. 884,221; Apr. 7; Sp. p. 1143; Dr. p. 240; Gaz. vol. 133; p. 1372.
 Gang-machine. A. O. Thomas. No. 904,734; Nov. 24; Sp. p. 4524; Gaz. vol. 137; p. 818.
 Gang-mold. A. O. Thomas. No. 877,140; Jan. 21; Sp. p. 3001; Dr. p. 648; Gaz. vol. 132; p. 555.
 Gape-worm extractor. S. M. Walker. No. 892,472; July 7; Sp. p. 156; Dr. p. 34; Gaz. vol. 135; p. 31.
 Gapes, Instrument to cure. E. J. Funk. No. 894,198; July 28; Sp. p. 3809; Dr. p. 789; Gaz. vol. 135; p. 677.
 Garbage-bag. L. Thomas. No. 893,759; July 21; Sp. p. 2889; Dr. p. 593; Gaz. vol. 135; p. 513.
 Garbage-burner and water-heater, Combined. J. J. Dubé. No. 907,580; Dec. 22; Sp. p. 4796; Gaz. vol. 137; p. 1874.
 Garbage-collecting vehicle. A. G. Sharp. No. 902,115; Oct. 27; Sp. p. 4281; Dr. p. 867; Gaz. vol. 136; p. 1833.
 Garbage-crematory. M. L. Davis. No. 906,115; Dec. 8; Sp. p. 1973; Gaz. vol. 137; p. 1336.
 Garbage-destructer. G. W. Parker. No. 887,219; May 12; Sp. p. 1725; Dr. pp. 366-7; Gaz. vol. 134; p. 316.
 Garbage-incinerator. W. H. Van Doren. No. 895,129; Aug. 4; Sp. p. 707; Dr. p. 147; Gaz. vol. 135; p. 1012.
 Garbage plant. T. W. Draine and T. F. Shingledecker. No. 892,942; July 7; Sp. p. 1115; Dr. p. 234; Gaz. vol. 135; p. 185.
 Garbage-receptacle. H. L. Schellenberg. No. 893,267; July 14; Sp. p. 1778; Dr. p. 374; Gaz. vol. 135; p. 321.
 Garden implement. W. C. Doidge. No. 888,147; May 19; Sp. p. 3650; Dr. p. 764; Gaz. vol. 134; p. 652.
 Garden implement. P. G. Gestford. No. 907,333; Dec. 22; Sp. p. 4307; Gaz. vol. 137; p. 1793.
 Garden implement, Multibladed. D. Voshell. No. 902,124; Oct. 27; Sp. p. 4294; Dr. p. 870; Gaz. vol. 136; p. 1835.
 Garden-shears. W. Selley. No. 894,710; July 28; Sp. p. 4842; Dr. p. 1006; Gaz. vol. 135; p. 845.
 Garment. G. West. No. 877,686; Jan. 28; Sp. p. 4105; Dr. p. 888; Gaz. vol. 132; p. 754.
 Garment. J. M. Van Orden. No. 879,338; Feb. 18; Sp. p. 2949; Dr. p. 615; Gaz. vol. 132; p. 1394.
 Garment. H. M. Mayper. No. 884,185; Apr. 7; Sp. p. 1083; Dr. p. 226; Gaz. vol. 133; p. 1560.
 Garment. B. Galland. No. 884,479; Apr. 14; Sp. p. 1642; Dr. p. 352; Gaz. vol. 133; p. 1484.
 Garment. S. Greenes. No. 889,877; June 2; Sp. p. 1338; Dr. p. 305; Gaz. vol. 134; p. 1278.
 Garment. J. C. W. Rahn. No. 890,708; June 16; Sp. p. 3077; Dr. p. 676; Gaz. vol. 134; p. 1609.
 Garment. H. S. Dean. No. 891,527; June 23; Sp. p. 4754; Dr. p. 1029; Gaz. vol. 134; p. 1910.
 Garment. A. Holste. No. 902,081; Oct. 27; Sp. p. 4210; Dr. p. 853; Gaz. vol. 136; p. 1822.
 Garment. W. J. Newman. No. 906,551; Dec. 15; Sp. p. 2784; Gaz. vol. 137; p. 1505.
 Garment. F. G. Rich. No. 906,658; Dec. 15; Sp. p. 2975; Gaz. vol. 137; p. 1537.
 Garment and book support. F. W. Selinsky, Sr. No. 883,428; Mar. 31; Sp. p. 5888; Dr. p. 1256; Gaz. vol. 133; p. 1087.
 Garment and hose-supporter, Combined. D. Grotta. No. 900,725; Oct. 13; Sp. p. 1397; Dr. p. 284; Gaz. vol. 136; p. 1315.
 Garment attachment. H. Thompson and H. I. Fowler. No. 886,894; May 5; Sp. p. 1121; Dr. p. 234; Gaz. vol. 134; p. 184.
 Garment attachment. C. H. Burkham. No. 891,592; June 23; Sp. p. 4885; Dr. p. 1052; Gaz. vol. 134; p. 1929.
 Garment attachment. F. F. Deiner. No. 895,979; Aug. 11; Sp. p. 2415; Dr. p. 518; Gaz. vol. 135; p. 1313.
 Garment, Child's. F. H. Sprague. No. 877,607; Jan. 28; Sp. p. 3953; Dr. p. 854; Gaz. vol. 132; p. 729.
 Garment, Child's. F. H. Sprague. No. 886,735; May 5; Sp. p. 821; Dr. p. 169; Gaz. vol. 134; p. 136.
 Garment-clasp. M. B. Gardner. No. 875,797; Jan. 7; Sp. p. 231; Dr. p. 50; Gaz. vol. 132; p. 42.
 Garment-clasp. M. B. Gardner. No. 875,798; Jan. 7; Sp. p. 232; Dr. p. 50; Gaz. vol. 132; p. 43.
 Garment-clasp. J. H. Pilkington. No. 884,040; Apr. 7; Sp. p. 755; Dr. p. 157; Gaz. vol. 133; p. 1313.
 Garment-clasp. J. M. Siner. No. 884,425; Apr. 14; Sp. p. 1522; Dr. p. 326; Gaz. vol. 133; p. 1466.
 Garment-clasp. J. Lemay. No. 886,709; May 5; Sp. p. 761; Dr. p. 155; Gaz. vol. 134; p. 127.
 Garment-clasp. M. W. Schloss. No. 896,331; Aug. 18; Sp. p. 3091; Dr. p. 665; Gaz. vol. 135; p. 1449.
 Garment-clasp. J. M. Siner. No. 897,793; Sept. 1; Sp. p. 1110; Dr. p. 238; Gaz. vol. 136; p. 178.
 Garment-clasp. A. M. Ziegler. No. 898,816; Sept. 15; Sp. p. 3147; Dr. p. 673; Gaz. vol. 136; p. 571.
 Garment-clasp. C. M. Hall. No. 903,373; Nov. 10; Sp. p. 1668; Gaz. vol. 137; p. 306.
 Garment clasp or holder. L. A. McStay. No. 901,818; Oct. 20; Sp. p. 3679; Dr. p. 747; Gaz. vol. 136; p. 1708.
 Garment-closing device. I. J. Calhoun. No. 887,586; May 12; Sp. p. 2553; Dr. p. 538; Gaz. vol. 134; p. 440.
 Garment, Combination-. M. E. Rogers. No. 878,237; Feb. 4; Sp. p. 704; Dr. p. 145; Gaz. vol. 132; p. 961.
 Garment, Combined-. T. Martikoff. No. 905,021; Nov. 24; Sp. p. 5130; Gaz. vol. 137; p. 914.
 Garment-creaser. G. L. Edgerton. No. 899,036; Sept. 22; Sp. p. 3549; Dr. p. 760; Gaz. vol. 136; p. 670.
 Garment-edge-binding. W. R. Garton. No. 877,072; Jan. 21; Sp. p. 2854; Dr. p. 616; Gaz. vol. 132; p. 532.
 Garment, Electrothermal. B. R. Charles. No. 880,716; Mar. 3; Sp. p. 452; Dr. p. 95; Gaz. vol. 133; p. 79.
 Garment-fastener. J. P. Everetts. No. 876,954; Jan. 21; Sp. p. 2611; Dr. p. 567; Gaz. vol. 132; p. 492.
 Garment-fastener. G. W. Cummings, Jr. No. 879,369; Feb. 18; Sp. p. 3020; Dr. p. 630; Gaz. vol. 132; p. 1405.
 Garment-fastener. F. Moskovits, B. Berkovits, and J. Günzberger. No. 881,435; Mar. 10; Sp. p. 1879; Dr. p. 408; Gaz. vol. 133; p. 344.
 Garment-fastener. F. E. Wilson. No. 882,087; Mar. 17; Sp. p. 3223; Dr. p. 685; Gaz. vol. 133; p. 586.
 Garment-fastener. F. E. Wilson. No. 882,483; Mar. 17; Sp. p. 3942; Dr. p. 843; Gaz. vol. 133; p. 713.
 Garment-fastener. J. Forman. No. 888,987; May 26; Sp. p. 5378; Dr. p. 1141; Gaz. vol. 134; p. 959.
 Garment-fastener. E. B. Stimpson. No. 900,445; Oct. 6; Sp. p. 793; Dr. p. 163; Gaz. vol. 136; p. 1196.
 Garment-fastener. J. K. Livingston. No. 903,590; Nov. 10; Sp. p. 2124; Gaz. vol. 137; p. 377.
 Garment-fastener. D. J. Wickers. No. 903,930; Nov. 17; Sp. p. 2849; Gaz. vol. 137; p. 520.
 Garment-fastener, Separable. I. S. Cliff. No. 890,608; June 16; Sp. p. 2860; Dr. p. 630; Gaz. vol. 134; p. 1576.
 Garment-fastening. M. C. Wilson. No. 893,215; July 14; Sp. p. 1674; Dr. p. 354; Gaz. vol. 135; p. 302.
 Garment-fastening device. F. Weckerly. No. 884,246; Apr. 7; Sp. p. 1183; Dr. p. 250; Gaz. vol. 133; p. 1380.
 Garment-form. I. Levin. No. 905,334; Dec. 1; Sp. p. 401; Gaz. vol. 137; p. 1052.
 Garment gage and cutter. E. F. Goggin. No. 877,325; Jan. 21; Sp. p. 3380; Dr. p. 732; Gaz. vol. 132; p. 616.
 Garment-hanger. H. W. Rountree. No. 877,598; Jan. 28; Sp. p. 3933; Dr. p. 851; Gaz. vol. 132; p. 726.
 Garment-hanger. G. M. Acheson. No. 881,277; Mar. 10; Sp. p. 1578; Dr. p. 337; Gaz. vol. 133; p. 294.
 Garment-hanger. J. S. Stanton. No. 882,592; Mar. 24; Sp. p. 4173; Dr. p. 855; Gaz. vol. 133; p. 782.
 Garment-hanger. M. H. Cazier. No. 883,785; Apr. 7; Sp. p. 208; Dr. p. 38; Gaz. vol. 133; p. 1227.
 Garment-hanger. A. Schlang. No. 884,616; Apr. 14; Sp. p. 1918; Dr. p. 412; Gaz. vol. 133; p. 1528.
 Garment-hanger. A. Schlang. No. 884,617; Apr. 14; Sp. p. 1919; Dr. p. 412; Gaz. vol. 133; p. 1529.
 Garment-hanger. C. H. Kingsbury. No. 885,161; Apr. 21; Sp. p. 3072; Dr. p. 645; Gaz. vol. 133; p. 1738.
 Garment-hanger. W. De Frear. No. 886,042; Apr. 28; Sp. p. 4909; Dr. p. 1032; Gaz. vol. 133; p. 2054.
 Garment-hanger. D. W. Custer. No. 886,116; Apr. 28; Sp. p. 5042; Dr. p. 1059; Gaz. vol. 133; p. 2078.
 Garment-hanger. A. E. Larson. No. 899,935; June 9; Sp. p. 1466; Dr. p. 332; Gaz. vol. 134; p. 1322.
 Garment-hanger. R. P. Beatty. No. 893,298; July 14; Sp. p. 1837; Dr. p. 335; Gaz. vol. 135; p. 331.
 Garment-hanger. W. M. Jones. No. 894,658; July 28; Sp. p. 4746; Dr. p. 985; Gaz. vol. 135; p. 828.
 Garment-hanger. E. J. Noble. No. 896,570; Aug. 18; Sp. p. 3565; Dr. p. 766; Gaz. vol. 135; p. 1526.
 Garment-hanger. F. W. Van Nortwick. No. 899,929; Sept. 29; Sp. p. 5363; Dr. p. 1143; Gaz. vol. 136; p. 996.
 Garment-hanger. N. E. Miles. No. 900,567; Oct. 6; Sp. p. 1068; Dr. p. 219; Gaz. vol. 136; p. 1236.
 Garment-hanger. E. W. Hawley and G. H. Wheary. No. 902,078; Oct. 27; Sp. p. 4205; Dr. p. 852; Gaz. vol. 136; p. 1821.
 Garment-hanger. R. C. Thomas. No. 902,346; Oct. 27; Sp. p. 4778; Dr. p. 954; Gaz. vol. 136; p. 1909.
 Garment-hanger. M. O. Penland. No. 902,680; Nov. 3; Sp. p. 289; Gaz. vol. 137; p. 50.
 Garment-hanger. A. K. Bowman. No. 903,166; Nov. 10; Sp. p. 1253; Gaz. vol. 137; p. 238.
 Garment-hanger. C. J. Spruce and F. H. Deknatel. No. 906,323; Dec. 8; Sp. p. 2378; Gaz. vol. 137; p. 1407.
 Garment-hanger support. E. Soraghan. No. 895,905; Aug. 11; Sp. p. 2252; Dr. p. 481; Gaz. vol. 135; p. 1289.
 Garment-holder. A. Haviland. No. 884,657; Apr. 14; Sp. p. 2043; Dr. p. 435; Gaz. vol. 133; p. 1542.
 Garment-holder. C. Lamping. No. 891,053; June 16; Sp. p. 3838; Dr. p. 839; Gaz. vol. 134; p. 1732.
 Garment-holder. C. J. Malings. No. 892,752; July 7; Sp. p. 709; Dr. p. 150; Gaz. vol. 135; p. 122.
 Garment-holder. H. C. Krause. No. 898,978; Sept. 15; Sp. p. 3432; Dr. p. 737; Gaz. vol. 136; p. 625.
 Garment-holder. W. C. Morris. No. 906,148; Dec. 8; Sp. p. 2031; Gaz. vol. 137; p. 1348.
 Garment-holding device. H. B. Wade. No. 891,885; June 30; Sp. p. 5502; Dr. p. 1189; Gaz. vol. 134; p. 2060.
 Garment-hook. L. B. Huntington. No. 887,808; May 19; Sp. p. 3001; Dr. p. 630; Gaz. vol. 134; p. 544.
 Garment-hook. E. W. Ladd. No. 892,855; July 7; Sp. p. 925; Dr. p. 196; Gaz. vol. 135; p. 155.
 Garment-hook and hat-holder. M. S. Gorman. No. 886,365; May 5; Sp. p. 44; Dr. p. 9; Gaz. vol. 134; p. 12.
 Garment, Neck-protecting. M. Rosenbaum and A. Hall. No. 899,907; Sept. 29; Sp. p. 5300; Dr. p. 1133; Gaz. vol. 136; p. 990.
 Garment-pattern. G. M. Laub. No. 891,939; June 30; Sp. p. 5610; Dr. p. 1210; Gaz. vol. 134; p. 2079.

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- Garment-pattern, Adjustable. J. U. Dufault. No. 890,969; June 16; Sp. p. 3633; Dr. pp. 790-1; Gaz. vol. 134; p. 1696.
 Garment pressing and forming apparatus. J. M. Stein. No. 889,824; June 2; Sp. p. 1252; Dr. p. 285; Gaz. vol. 134; p. 1259.
 Garment-protecting device. W. J. Keid. No. 907,175; Dec. 22; Sp. p. 3970; Gaz. vol. 137; p. 1737.
 Garment-rack, Vehicle. C. J. Harris. No. 895,751; Aug. 11; Sp. p. 1951; Dr. p. 412; Gaz. vol. 135; p. 1240.
 Garment-retaining device. D. Basch. No. 882,445; Mar. 17; Sp. p. 3877; Dr. p. 828; Gaz. vol. 133; p. 701.
 Garment-shaper. L. N. Bishop. No. 891,138; June 16; Sp. p. 3926; Dr. p. 860; Gaz. vol. 134; p. 1748.
 Garment-stretcher. F. X. Falter. No. 892,510; July 7; Sp. p. 238; Dr. p. 50; Gaz. vol. 135; p. 44.
 Garment-support. E. H. Luebberts, Jr. No. 881,424; Mar. 10; Sp. p. 1857; Dr. p. 404; Gaz. vol. 133; p. 340.
 Garment-support. R. Klein. No. 889,620; June 2; Sp. p. 844; Dr. p. 192; Gaz. vol. 134; p. 1195.
 Garment-support. H. C. Wilson. No. 902,634; Nov. 3; Sp. p. 203; Gaz. vol. 137; p. 34.
 Garment-supporter. J. W. Schloss. No. 877,233; Jan. 21; Sp. p. 3208; Dr. p. 695; Gaz. vol. 132; p. 589.
 Garment-supporter. M. Hirsch. No. 873,137; Feb. 4; Sp. p. 481; Dr. p. 103; Gaz. vol. 132; p. 928.
 Garment-supporter. J. M. Johnson. No. 878,802; Feb. 11; Sp. p. 1923; Dr. p. 397; Gaz. vol. 132; p. 1182.
 Garment-supporter. B. F. Orewiler. No. 881,710; Mar. 10; Sp. p. 2432; Dr. p. 523; Gaz. vol. 133; p. 433.
 Garment-supporter. B. M. Richardson. No. 884,210; Apr. 7; Sp. p. 1125; Dr. p. 236; Gaz. vol. 133; p. 1368.
 Garment-supporter. B. Newton. No. 884,289; Apr. 7; Sp. p. 1258; Dr. p. 264; Gaz. vol. 133; p. 1393.
 Garment-supporter. C. Ringwald. No. 884,858; Apr. 14; Sp. p. 2451; Dr. p. 516; Gaz. vol. 133; p. 1610.
 Garment-supporter. D. Backlund. No. 887,025; May 5; Sp. p. 1365; Dr. p. 290; Gaz. vol. 134; p. 226.
 Garment-supporter. G. M. Morgan. No. 888,027; May 19; Sp. p. 3427; Dr. p. 719; Gaz. vol. 134; p. 616.
 Garment-supporter. L. H. Brooks. No. 888,063; May 19; Sp. p. 3489; Dr. p. 731; Gaz. vol. 134; p. 626.
 Garment-supporter. J. M. Taylor. No. 888,550; May 26; Sp. p. 4455; Dr. p. 944; Gaz. vol. 134; p. 816.
 Garment-supporter. C. J. Daniel. No. 889,108; May 26; Sp. p. 5619; Dr. p. 1189; Gaz. vol. 134; p. 998.
 Garment-supporter. M. Waterstraub. No. 889,290; June 2; Sp. p. 173; Dr. p. 43; Gaz. vol. 134; p. 1086.
 Garment-supporter. A. E. Gould. No. 892,149; June 30; Sp. p. 6021; Dr. p. 1293; Gaz. vol. 134; p. 2145.
 Garment-supporter. P. J. Moll. No. 895,658; Aug. 11; Sp. p. 1761; Dr. p. 373; Gaz. vol. 135; p. 1210.
 Garment-supporter. C. C. Morris. No. 899,316; Sept. 22; Sp. p. 4106; Dr. p. 877; Gaz. vol. 136; p. 762.
 Garment-supporter. C. W. Wallis. No. 900,625; Oct. 6; Sp. p. 1187; Dr. p. 243; Gaz. vol. 136; p. 1255.
 Garment-supporter. C. B. Harris. No. 900,728; Oct. 13; Sp. p. 1407; Dr. p. 286; Gaz. vol. 136; p. 1316.
 Garment-supporter. C. F. Hyltén-Cavallius. No. 902,084; Oct. 27; Sp. p. 4214; Dr. p. 853; Gaz. vol. 136; p. 1823.
 Garment-supporter. J. P. Croasdale. No. 905,150; Dec. 1; Sp. p. 50; Gaz. vol. 137; p. 991.
 Garment-supporter attachment. A. H. Sawtell. No. 886,732; May 5; Sp. p. 815; Dr. p. 168; Gaz. vol. 134; p. 135.
 Garment-supporter attachment for receptacles. E. W. Hawley and G. H. Wheary. No. 875,811; Jan. 7; Sp. p. 258; Dr. p. 55; Gaz. vol. 132; p. 48.
 Garment-supporter clasp. G. N. Hall. No. 879,868; Feb. 25; Sp. p. 4088; Dr. p. 858; Gaz. vol. 132; p. 1600.
 Garment-supporter clasp. J. J. Buchanan. No. 881,372; Mar. 10; Sp. p. 1770; Dr. p. 381; Gaz. vol. 133; p. 325.
 Garment-supporter clasp. J. M. Siner. No. 885,188; Apr. 21; Sp. p. 3134; Dr. p. 658; Gaz. vol. 133; p. 1747.
 Garment-supporter clasp. S. Kops. No. 887,665; May 12; Sp. p. 2685; Dr. p. 568; Gaz. vol. 134; p. 462.
 Garment-supporter clasp. G. E. Mellen. No. 888,107; May 19; Sp. p. 3588; Dr. p. 751; Gaz. vol. 134; p. 641.
 Garment-supporter clasp. J. M. Siner. No. 890,382; June 9; Sp. p. 2405; Dr. p. 530; Gaz. vol. 134; p. 1470.
 Garment-supporter clasp. D. De Lancey and J. J. Buchanan. No. 897,295; Sept. 1; Sp. p. 51; Dr. p. 12; Gaz. vol. 136; p. 12.
 Garment-supporter clasp. J. F. Molloy. No. 897,299; Sept. 1; Sp. p. 57; Dr. p. 14; Gaz. vol. 136; p. 13.
 Garment-supporter clasp. H. E. Lorentz. No. 897,911; Sept. 8; Sp. p. 1382; Dr. p. 295; Gaz. vol. 136; p. 250.
 Garment-supporting clasp. W. W. Johnson. No. 876,831; Jan. 14; Sp. p. 2421; Dr. p. 528; Gaz. vol. 132; p. 427.
 Garment-supporting loop. H. D. Sargent. No. 907,893; Dec. 29; Sp. p. 5494; Gaz. vol. 137; p. 2007.
 Garment, Underwear-. C. A. Gould. No. 884,815; Apr. 14; Sp. p. 2362; Dr. p. 496; Gaz. vol. 133; p. 1597.
 Garments, Fly-front for. F. S. Kolb. No. 876,067; Jan. 7; Sp. p. 746; Dr. p. 158; Gaz. vol. 132; p. 127.
 Garments, Overlapping the edges of. L. Ring. No. 901,041; Oct. 13; Sp. p. 2050; Dr. p. 417; Gaz. vol. 136; p. 1418.
 Garment-machine. J. K. Proctor. No. 889,546; June 2; Sp. p. 707; Dr. p. 163; Gaz. vol. 134; p. 1171.
 Garter. B. E. Paneth. No. 878,084; Feb. 4; Sp. p. 390; Dr. p. 81; Gaz. vol. 132; p. 911.
 Garter. E. N. Humphrey. No. 908,006; Dec. 29; Sp. p. 5742; Gaz. vol. 137; p. 2044.
 Garter-clasp. A. Reznicek. No. 885,290; Apr. 21; Sp. p. 3335; Dr. p. 696; Gaz. vol. 133; p. 1781.
 Garter-fastening device, Men's. R. A. Moore, Jr. No. 881,939; Mar. 17; Sp. p. 2913; Dr. p. 622; Gaz. vol. 133; p. 538.
 Garter-fastening device, Men's. R. A. Moore. No. 893,935; July 21; Sp. p. 3240; Dr. p. 667; Gaz. vol. 135; p. 569.
 Gas-analysis apparatus. J. F. Simmance and J. Abady. No. 887,706; May 12; Sp. p. 2766; Dr. p. 585; Gaz. vol. 134; p. 480.
 Gas analysis, Apparatus for. C. A. Hartung. No. 892,955; July 7; Sp. p. 1134; Dr. p. 238; Gaz. vol. 135; p. 190.
 Gas analysis, Apparatus for automatic and continuous. W. S. Hubbard. No. 896,544; Aug. 18; Sp. p. 3523; Dr. pp. 756-7; Gaz. vol. 135; p. 1518.
 Gas analysis, Automatic apparatus for. E. Schatz. No. 895,798; Aug. 11; Sp. p. 2055; Dr. pp. 436-7; Gaz. vol. 135; p. 1255.
 Gas-analyzer, Automatic. H. J. Westover. No. 881,986; Mar. 17; Sp. p. 3000; Dr. p. 641; Gaz. vol. 133; p. 553.
 Gas-analyzing apparatus. H. J. Westover. No. 899,774; Sept. 29; Sp. p. 5029; Dr. pp. 1078-9; Gaz. vol. 136; p. 947.
 Gas and acetylene burners, Lighting attachment for. C. J. Larkin. No. 879,824; Feb. 18; Sp. p. 3971; Dr. p. 831; Gaz. vol. 132; p. 1553.
 Gas and air mixing apparatus. E. Dankelmann. No. 896,519; Aug. 18; Sp. p. 3479; Dr. p. 747; Gaz. vol. 135; p. 1511.
 Gas and carbureting system, Combined producer-. W. F. Steele. No. 897,799; Sept. 1; Sp. p. 1140; Dr. p. 243; Gaz. vol. 136; p. 180.
 Gas and coke, Making. L. P. Lowe. No. 883,466; Mar. 31; Sp. p. 5967; Dr. p. 1273; Gaz. vol. 133; p. 1100.
 Gas and gasoline burner, Combination. G. A. Manshardt. No. 907,698; Dec. 22; Sp. p. 5101; Gaz. vol. 137; p. 1914.
 Gas and gasoline engine. A. Fricker. No. 894,622; July 28; Sp. p. 4684; Dr. p. 972; Gaz. vol. 135; p. 816.
 Gas and oil from fluids, Apparatus for separating. E. J. McCabe, L. W. Parker, and J. Mulvaney. No. 897,125; Aug. 25; Sp. p. 4746; Dr. p. 1011; Gaz. vol. 135; p. 1733.
 Gas and other engine. J. S. Miller. No. 891,432; June 23; Sp. p. 4555; Dr. p. 991; Gaz. vol. 134; p. 1878.
 Gas and power, Producing. G. J. Weber. No. 890,475; June 9; Sp. p. 2565; Dr. p. 569; Gaz. vol. 134; p. 1499.
 Gas and separating gasoline therefrom, Cooling. D. Hastings and A. W. Brink. No. 883,640; Mar. 31; Sp. p. 6302; Dr. pp. 1344-5; Gaz. vol. 133; p. 1152.
 Gas and steam convertible engine. E. R. Uhlin. No. 393,557; July 14; Sp. p. 2379; Dr. pp. 498-9; Gaz. vol. 135; p. 414.
 Gas and steam engine, Combination. M. S. Flaig. No. 886,199; Apr. 28; Sp. p. 5193; Dr. p. 1093; Gaz. vol. 133; p. 2105.
 Gas and vapor burner, Combined illuminating. F. and A. H. McMillan. No. 905,738; Dec. 1; Sp. p. 1240; Gaz. vol. 137; p. 1184.
 Gas apparatus. E. H. Amet. No. 886,311; Apr. 28; Sp. p. 5411; Dr. p. 1136; Gaz. vol. 133; p. 2143.
 Gas apparatus. A. M. Sutherland. No. 890,940; June 16; Sp. p. 3562; Dr. p. 777; Gaz. vol. 134; p. 1686.
 Gas apparatus, Acetylene-. N. A. Renstrom. No. 897,491; Sept. 1; Sp. p. 510; Dr. p. 108; Gaz. vol. 136; p. 81.
 Gas, Apparatus for making oil-. H. Gerdes. No. 883,681; Mar. 31; Sp. p. 6389; Dr. p. 1363; Gaz. vol. 133; p. 1165.
 Gas, Apparatus for manufacturing water-. P. Plantinga. No. 895,548; July 7; Sp. p. 300; Dr. p. 66; Gaz. vol. 135; p. 57.
 Gas, Apparatus for the manufacture of. H. W. Woodall and A. M. Duckham. No. 885,308; Apr. 21; Sp. p. 3379; Dr. pp. 706-7; Gaz. vol. 133; p. 1787.
 Gas apparatus, Producer-. H. F. Smith. No. 888,359; May 19; Sp. p. 4048; Dr. p. 854; Gaz. vol. 134; p. 721.
 Gas-box attachment. F. E. Brickner. No. 904,933; Nov. 24; Sp. p. 4957; Gaz. vol. 137; p. 884.
 Gas bracket, pendant, and the like. E. Schwerin. No. 882,970; Mar. 24; Sp. p. 4935; Dr. p. 1048; Gaz. vol. 133; p. 908.
 Gas-burner. E. G. Van Zandt. No. 876,507; Jan. 14; Sp. p. 1662; Dr. p. 361; Gaz. vol. 132; p. 304.
 Gas-burner. E. S. Lanhon. No. 879,556; Feb. 18; Sp. p. 3422; Dr. p. 716; Gaz. vol. 132; p. 1465.
 Gas-burner. E. E. Kehmert. No. 879,823; Feb. 18; Sp. p. 3970; Dr. p. 831; Gaz. vol. 132; p. 1553.
 Gas-burner. F. C. Vearing. No. 880,112; Feb. 25; Sp. p. 4581; Dr. p. 965; Gaz. vol. 132; p. 1680.
 Gas-burner. J. E. Nadasy. No. 880,690; Mar. 3; Sp. p. 392; Dr. p. 85; Gaz. vol. 133; p. 70.
 Gas-burner. H. A. B. Helander. No. 883,196; Mar. 31; Sp. p. 5392; Dr. p. 1148; Gaz. vol. 133; p. 1011.
 Gas-burner. T. B. Harrison. No. 884,819; Apr. 14; Sp. p. 2367; Dr. p. 498; Gaz. vol. 133; p. 1598.
 Gas-burner. E. M. Colquhoun. No. 885,441; Apr. 21; Sp. p. 3643; Dr. p. 765; Gaz. vol. 133; p. 1830.
 Gas-burner. T. L. Willson. No. 887,297; May 12; Sp. p. 1958; Dr. p. 412; Gaz. vol. 134; p. 344.
 Gas-burner. B. A. Geurink. No. 891,245; June 23; Sp. p. 4170; Dr. p. 913; Gaz. vol. 134; p. 1816.
 Gas-burner. H. R. Sheppard and E. A. Gesler. No. 892,190; June 30; Sp. p. 6096; Dr. p. 1310; Gaz. vol. 134; p. 2160.
 Gas-burner. C. B. and T. White. No. 894,477; July 28; Sp. p. 4394; Dr. p. 906; Gaz. vol. 135; p. 770.
 Gas-burner. F. Krabal. No. 899,600; Sept. 23; Sp. p. 4667; Dr. p. 1001; Gaz. vol. 136; p. 891.
 Gas-burner. F. E. Buddington. No. 904,246; Nov. 17; Sp. p. 3510; Gaz. vol. 137; p. 628.
 Gas-burner. H. A. Giller. No. 904,772; Nov. 24; Sp. p. 4618; Gaz. vol. 137; p. 830.
 Gas-burner air-mixer. C. H. Henzel. No. 897,207; Aug. 25; Sp. p. 4886; Dr. p. 1041; Gaz. vol. 135; p. 1757.
 Gas-burner, Atmospheric. T. J. Little, Jr. No. 901,934; Oct. 20; Sp. p. 3892; Dr. p. 794; Gaz. vol. 136; p. 1746.
 Gas-burner, Automatic. L. T. Burns. No. 882,664; Mar. 24; Sp. p. 4322; Dr. p. 919; Gaz. vol. 133; p. 807.

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- Gas-burner, Automatic self-igniting. O. Struller. No. 890,313; June 9; Sp. p. 2277; Dr. p. 502; Gaz. vol. 134; p. 1449.
- Gas-burner cleaner, Acetylene-. D. Barnard. No. 888,777; May 26; Sp. p. 4931; Dr. p. 1051; Gaz. vol. 134; p. 891.
- Gas-burner controlling mechanism. F. Cais. No. 886,677; May 5; Sp. p. 675; Dr. p. 140; Gaz. vol. 134; p. 115.
- Gas-burner device, Distance-lighting. R. N. Oakman. No. 879,890; Feb. 25; Sp. p. 4134; Dr. p. 866; Gaz. vol. 132; p. 1607.
- Gas-burner for lighting and heating purposes. G. Detsinyi. No. 901,596; Oct. 20; Sp. p. 3205; Dr. p. 657; Gaz. vol. 136; p. 1635.
- Gas-burner for water-heaters. H. S. Humphrey. No. 907,240; Dec. 22; Sp. p. 4130; Gaz. vol. 137; p. 1760.
- Gas-burner ignition device. G. W. Graves. No. 896,987; Aug. 25; Sp. p. 4467; Dr. p. 954; Gaz. vol. 135; p. 1686.
- Gas-burner, Incandescent. W. Schmitz. No. 877,667; Jan. 23; Sp. p. 4066; Dr. p. 880; Gaz. vol. 132; p. 749.
- Gas-burner, Incandescent. A. G. Méker. No. 884,834; Apr. 14; Sp. p. 2388; Dr. p. 503; Gaz. vol. 133; p. 1602.
- Gas-burner, Incandescent. R. Busquet and M. Ramassot. No. 886,940; May 5; Sp. p. 1200; Dr. p. 254; Gaz. vol. 134; p. 199.
- Gas-burner, Incandescent. C. W. Harrison and A. C. Noad. No. 896,533; Aug. 18; Sp. p. 3499; Dr. p. 751; Gaz. vol. 135; p. 1514.
- Gas-burner, Inverted. A. L. Voorhees. No. 903,033; Nov. 3; Sp. p. 1014; Gaz. vol. 137; p. 166.
- Gas-burner, Inverted incandescent. A. L. Dumphy. No. 907,976; Dec. 29; Sp. p. 5669; Gaz. vol. 137; p. 2034.
- Gas burner, Natural-. J. W. Chamberlain. No. 879,735; Feb. 18; Sp. p. 3794; Dr. p. 796; Gaz. vol. 132; p. 1523.
- Gas-burner, Safety. A. R. Farmer. No. 908,230; Dec. 29; Sp. p. 6226; Gaz. vol. 137; p. 2120.
- Gas-burner safety attachment. J. H. Eisenhauer. No. 898,634; Sept. 15; Sp. p. 2813; Dr. p. 601; Gaz. vol. 136; p. 514.
- Gas-burner safety attachment. H. J. Schoen. No. 902,917; Nov. 3; Sp. p. 776; Gaz. vol. 137; p. 128.
- Gas-burner safety device. J. N. Reynolds. No. 880,097; Feb. 25; Sp. p. 4554; Dr. p. 959; Gaz. vol. 132; p. 1675.
- Gas-burner smoke-bell. J. Hill. No. 907,354; Dec. 22; Sp. p. 4339; Gaz. vol. 137; p. 1800.
- Gas-burner, Steam-blast. G. S. Bennett. No. 885,972; Apr. 28; Sp. p. 4757; Dr. p. 999; Gaz. vol. 133; p. 2032.
- Gas-burner tip. E. Kersey. No. 903,579; Nov. 10; Sp. p. 2095; Gaz. vol. 137; p. 374.
- Gas-burner valve, Distance-lighting. R. N. Oakman. No. 896,237; Aug. 18; Sp. p. 2883; Dr. p. 623; Gaz. vol. 135; p. 1419.
- Gas-burners, Automatic cut-off for. R. H. Cooke. No. 891,670; June 23; Sp. p. 5063; Dr. p. 1092; Gaz. vol. 134; p. 1957.
- Gas-burners, Auxiliary pressure-regulator for. H. Farnoff. No. 884,012; Apr. 7; Sp. p. 696; Dr. p. 140; Gaz. vol. 133; p. 1304.
- Gas-burners, Globe-holder for. W. Livingstone. No. 878,299; Feb. 4; Sp. p. 835; Dr. p. 166; Gaz. vol. 132; p. 982.
- Gas-burners, Ignition device for. M. Baer and P. Flachshaar. No. 881,528; Mar. 10; Sp. p. 2061; Dr. p. 450; Gaz. vol. 133; p. 375.
- Gas-burners, Valve for. H. S. Humphrey. No. 888,237; May 19; Sp. p. 3812; Dr. p. 801; Gaz. vol. 134; p. 682.
- Gas-burning furnace. O. H. P. Basom. No. 880,000; Feb. 25; Sp. p. 4362; Dr. p. 914; Gaz. vol. 132; p. 1644.
- Gas-cap. R. Fleming. No. 876,956; Jan. 21; Sp. p. 2614; Dr. p. 568; Gaz. vol. 132; p. 493.
- Gas-cleaner. A. Ernst. No. 896,365; Aug. 18; Sp. p. 3160; Dr. pp. 678-9; Gaz. vol. 135; p. 1458.
- Gas, Compound to be used in the manufacture of. W. T. Solomon. No. 885,096; Apr. 21; Sp. p. 2911; Gaz. vol. 133; p. 1716.
- Gas-conduit safety-valve. W. Schulze. No. 877,003; Jan. 21; Sp. p. 2716; Dr. p. 583; Gaz. vol. 132; p. 509.
- Gas-conduits, Automatic water-level controller for water-separators of. A. Billouez. No. 878,858; Feb. 11; Sp. p. 2024; Dr. p. 412; Gaz. vol. 132; p. 1199.
- Gas-consuming apparatus. F. W. Beardsley. No. 877,162; Jan. 21; Sp. p. 3046; Dr. p. 660; Gaz. vol. 132; p. 562.
- Gas-controlling apparatus. H. Sieben. No. 903,794; Nov. 10; Sp. p. 2524; Gaz. vol. 137; p. 441.
- Gas-converting process. G. C. Carson. No. 876,437; Jan. 14; Sp. p. 1511; Dr. p. 325; Gaz. vol. 132; p. 279.
- Gas cut-off. J. W. Fields. No. 877,417; Jan. 21; Sp. p. 3550; Dr. p. 768; Gaz. vol. 132; p. 646.
- Gas cut-off. J. F. Wells. No. 904,662; Nov. 24; Sp. p. 4370; Gaz. vol. 137; p. 794.
- Gas cut-off, Automatic. E. Turner. No. 893,762; July 21; Sp. p. 2893; Dr. p. 594; Gaz. vol. 135; p. 514.
- Gas cut-off, Automatic. V. E. Campbell. No. 897,816; Sept. 1; Sp. p. 1168; Dr. p. 249; Gaz. vol. 136; p. 185.
- Gas cut-off, Automatic. H. Niemann. No. 899,184; Sept. 22; Sp. p. 3842; Dr. p. 822; Gaz. vol. 136; p. 719.
- Gas cut-off, Automatic. M. F. Nichols. No. 906,152; Dec. 8; Sp. p. 2039; Gaz. vol. 137; p. 1349.
- Gas cut-off device, Thermal. A. C. Schwager. No. 901,197; Oct. 13; Sp. p. 2329; Dr. p. 477; Gaz. vol. 136; p. 1467.
- Gas-engine. C. T. Litchfield. No. 875,938; Jan. 7; Sp. p. 477; Dr. p. 103; Gaz. vol. 132; p. 86.
- Gas-engine. W. H. Ash. No. 877,753; Jan. 28; Sp. p. 4221; Dr. pp. 915-16; Gaz. vol. 132; p. 775.
- Gas-engine. W. T. Maxwell. No. 878,888; Feb. 11; Sp. p. 2075; Dr. p. 432; Gaz. vol. 132; p. 1209.
- Gas-engine. J. S. Benson. No. 879,726; Feb. 18; Sp. p. 3781; Dr. p. 792; Gaz. vol. 132; p. 1521.
- Gas-engine. M. L. Wood. No. 880,704; Mar. 3; Sp. p. 418; Dr. p. 90; Gaz. vol. 133; p. 75.
- Gas-engine. H. A. Hettinger. No. 881,582; Mar. 10; Sp. p. 2165; Dr. p. 472; Gaz. vol. 133; p. 393.
- Gas-engine. T. A. Sammons. No. 881,623; Mar. 10; Sp. p. 2259; Dr. pp. 490-1; Gaz. vol. 133; p. 407.
- Gas-engine. C. O. Carlson. No. 882,812; Mar. 24; Sp. p. 4612; Dr. p. 983; Gaz. vol. 133; p. 855.
- Gas-engine. G. A. Beaudet. No. 883,511; Mar. 31; Sp. p. 6056; Dr. p. 1292; Gaz. vol. 133; p. 1114.
- Gas-engine. J. H. and J. H. Birch. No. 883,688; Apr. 7; Sp. p. 10; Dr. p. 3; Gaz. vol. 133; p. 1196.
- Gas-engine. C. Griswold and S. G. Averell. No. 885,921; Apr. 28; Sp. p. 4645; Dr. pp. 977-8; Gaz. vol. 133; p. 2014.
- Gas-engine. H. T. Dunbar. No. 887,237; May 12; Sp. p. 1791; Dr. pp. 376-7; Gaz. vol. 134; p. 322.
- Gas-engine. F. A. Sharpneck. No. 887,703; May 12; Sp. p. 2763; Dr. p. 584; Gaz. vol. 134; p. 479.
- Gas-engine. F. M. Ashley. No. 889,887; June 9; Sp. p. 1374; Dr. pp. 312-13; Gaz. vol. 134; p. 1306.
- Gas-engine. W. J. Griffith. No. 890,272; June 9; Sp. p. 2198; Dr. pp. 482-3; Gaz. vol. 134; p. 1434.
- Gas-engine. P. S. Claus. No. 890,335; June 9; Sp. p. 2319; Dr. p. 512; Gaz. vol. 134; p. 1455.
- Gas-engine. R. E. Olds and H. T. Thomas. No. 890,571; June 9; Sp. p. 2756; Dr. p. 609; Gaz. vol. 134; p. 1531.
- Gas-engine. M. A. Trow and F. J. Brummer. No. 891,643; June 23; Sp. p. 5011; Dr. pp. 1079-80; Gaz. vol. 134; p. 1948.
- Gas-engine. M. V. Robinson and J. S. Seybert. No. 891,735; June 23; Sp. p. 5182; Dr. p. 1119; Gaz. vol. 134; p. 1977.
- Gas-engine. W. F. Schleichter. No. 893,268; July 14; Sp. p. 1780; Dr. p. 374; Gaz. vol. 135; p. 321.
- Gas-engine. F. C. Avery. No. 894,568; July 28; Sp. p. 4576; Dr. p. 948; Gaz. vol. 135; p. 800.
- Gas-engine. C. Burgess, Jr. No. 895,155; Aug. 4; Sp. p. 753; Dr. p. 157; Gaz. vol. 135; p. 1019.
- Gas-engine. W. L. Morrow. No. 895,286; Aug. 4; Sp. p. 1041; Dr. p. 217; Gaz. vol. 135; p. 1065.
- Gas-engine. G. B. Petsche. No. 896,318; Aug. 18; Sp. p. 3061; Dr. pp. 659-60; Gaz. vol. 135; p. 1444.
- Gas-engine. C. O. Lake. No. 898,230; Sept. 8; Sp. p. 2034; Dr. p. 432; Gaz. vol. 136; p. 351.
- Gas-engine. C. A. Clark. No. 900,083; Oct. 6; Sp. p. 18; Dr. p. 4; Gaz. vol. 136; p. 1078.
- Gas-engine. A. Schieferstein. No. 901,745; Oct. 20; Sp. p. 3536; Dr. p. 715; Gaz. vol. 136; p. 1685.
- Gas-engine. E. A. Nelson. No. 904,556; Nov. 24; Sp. p. 4157; Gaz. vol. 137; p. 758.
- Gas-engine. H. Söhnlein. No. 905,598; Dec. 1; Sp. p. 976; Gaz. vol. 137; p. 1139.
- Gas-engine, Air-cooled. C. B. Kurtz. No. 883,207; Mar. 31; Sp. p. 5409; Dr. p. 1152; Gaz. vol. 133; p. 1014.
- Gas-engine, Explosive-. A. E. Remick. No. 902,450; Oct. 27; Sp. p. 4985; Dr. p. 1008; Gaz. vol. 136; p. 1943.
- Gas-engine, Rotary. F. H. Arnsburger. No. 890,208; June 9; Sp. p. 2030; Dr. p. 447; Gaz. vol. 134; p. 1414.
- Gas-engine, Rotary. W. O. Covey. No. 893,056; July 14; Sp. p. 1365; Dr. pp. 287-8; Gaz. vol. 135; p. 252.
- Gas-engine, Turbine. V. G. Apple. No. 892,206; June 30; Sp. p. 6129; Dr. pp. 1318-19; Gaz. vol. 134; p. 2165.
- Gas-engine, Two-cycle. W. A. Salter. No. 876,020; Jan. 7; Sp. p. 649; Dr. p. 139; Gaz. vol. 132; p. 112.
- Gas-engine, Two-cycle. E. A. Nelson. No. 898,913; Sept. 15; Sp. p. 3322; Dr. p. 712; Gaz. vol. 136; p. 603.
- Gas-explosion engine. G. C. Bourdreaux. No. 889,193; June 2; Sp. p. 11; Dr. p. 3; Gaz. vol. 134; p. 1059.
- Gas-filter. C. N. Olsen and A. P. Petersen. No. 881,483; Mar. 10; Sp. p. 1983; Dr. p. 432; Gaz. vol. 133; p. 360.
- Gas-fixture. C. Gerlach. No. 886,120; Apr. 28; Sp. p. 5061; Dr. p. 1062; Gaz. vol. 133; p. 2079.
- Gas-fixture attachment. I. Kates. No. 896,995; Aug. 25; Sp. p. 4486; Dr. p. 957; Gaz. vol. 135; p. 1688.
- Gas-fixture, Extensible. L. R. Yansky. No. 892,639; July 7; Sp. p. 482; Dr. p. 102; Gaz. vol. 135; p. 86.
- Gas-flame lighting and extinguishing apparatus. J. Jacobsen. No. 895,642; Aug. 11; Sp. p. 1725; Dr. pp. 365-6; Gaz. vol. 135; p. 1204.
- Gas-forming chemicals, Portable container for. H. J. Mittell. No. 896,138; Aug. 18; Sp. p. 2700; Dr. p. 582; Gaz. vol. 135; p. 1385.
- Gas from alcohol, Producing. W. T. Solomon. No. 885,095; Apr. 21; Sp. p. 2910; Dr. p. 617; Gaz. vol. 133; p. 1716.
- Gas-furnace. C. P. Hensley and F. H. Bryant. No. 883,880; Apr. 7; Sp. p. 428; Dr. p. 84; Gaz. vol. 133; p. 1259.
- Gas-furnace. E. A. Newcomb. No. 889,256; June 2; Sp. p. 118; Dr. pp. 28-9; Gaz. vol. 134; p. 1078.
- Gas-furnace. L. G. Fromont. No. 900,845; Oct. 13; Sp. p. 1654; Dr. p. 335; Gaz. vol. 136; p. 1355.
- Gas-furnace for chain-link welding or the like. R. Müller. No. 888,112; May 19; Sp. p. 3594; Dr. pp. 752-3; Gaz. vol. 134; p. 642.
- Gas, Furnace for the production of. G. Steinhilber. No. 877,610; Jan. 28; Sp. p. 3964; Dr. pp. 855-6; Gaz. vol. 132; p. 730.
- Gas-furnace or coke-oven. H. Koppers. No. 901,351; Oct. 20; Sp. p. 2662; Dr. p. 545; Gaz. vol. 136; p. 1552.
- Gas-generating apparatus. A. L. Blaesly. No. 886,469; May 5; Sp. p. 257; Dr. p. 54; Gaz. vol. 134; p. 47.
- Gas-generating apparatus. G. J. Weber. No. 890,476; June 9; Sp. p. 2569; Dr. p. 569; Gaz. vol. 134; p. 1499.
- Gas-generating apparatus. A. D. Brasson. No. 891,665; June 23; Sp. p. 5056; Dr. pp. 1090-1; Gaz. vol. 134; p. 1955.
- Gas-generating apparatus, Acetylene-. A. C. Einstein. No. 890,560; June 9; Sp. p. 2734; Dr. p. 604; Gaz. vol. 134; p. 1528.
- Gas-generating plants, Appliance used in combination with. A. L. Galusha. No. 897,362; Sept. 1; Sp. p. 247; Dr. p. 51; Gaz. vol. 136; p. 37.
- Gas, Generating power-. H. G. Boyd and W. R. McKay. No. 886,577; May 5; Sp. p. 460; Dr. p. 93; Gaz. vol. 134; p. 84.
- Gas, Generating water-. H. Strache. No. 898,803; Sept. 15; Sp. p. 3121; Dr. p. 668; Gaz. vol. 136; p. 567.
- Gas-generator. C. Heinz. No. 875,813; Jan. 7; Sp. p. 260; Dr. p. 56; Gaz. vol. 132; p. 48.

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- Gas-generator. W. Mowrer. No. 876,217; Jan. 7; Sp. p. 1042; Dr. p. 225; Gaz. vol. 132; p. 175.
 Gas-generator. F. Mears and J. Craig. No. 883,528; Mar. 17; Sp. p. 4051; Dr. p. 862; Gaz. vol. 133; p. 730.
 Gas-generator. W. Tures. No. 886,309; Apr. 28; Sp. p. 5408; Dr. p. 1135; Gaz. vol. 133; p. 2142.
 Gas-generator. J. G. L. Bormann. No. 890,489; June 9; Sp. p. 2591; Dr. p. 574; Gaz. vol. 134; p. 1503.
 Gas-generator. W. Thomas. No. 895,910; Aug. 11; Sp. p. 2260; Dr. pp. 482-3; Gaz. vol. 135; p. 1290.
 Gas-generator. G. F. Silvey. No. 897,792; Sept. 1; Sp. p. 1109; Dr. p. 238; Gaz. vol. 136; p. 178.
 Gas-generator. A. F. Sladek and L. Stone. No. 898,935; Sept. 15; Sp. p. 3357; Dr. p. 721; Gaz. vol. 136; p. 611.
 Gas-generator. C. I. Tenney. No. 900,231; Oct. 6; Sp. p. 323; Dr. p. 67; Gaz. vol. 136; p. 1125.
 Gas-generator. H. Rehmann. No. 900,955; Oct. 13; Sp. p. 1892; Dr. p. 385; Gaz. vol. 136; p. 1389.
 Gas-generator. I. McDaniel and J. K. Shontz. No. 902,991; Nov. 3; Sp. p. 929; Gaz. vol. 137; p. 153.
 Gas-generator. T. E. Fowler and A. Reeves. No. 907,983; Dec. 29; Sp. p. 5681; Gaz. vol. 137; p. 2030.
 Gas-generator, Acetylene-. W. J. Walsh. No. 876,119; Jan. 7; Sp. p. 847; Dr. p. 181; Gaz. vol. 132; p. 144.
 Gas-generator, Acetylene-. L. Sussman. No. 880,110; Feb. 25; Sp. p. 4579; Dr. p. 904; Gaz. vol. 132; p. 1679.
 Gas-generator, Acetylene-. H. S. and B. Stoner. No. 880,698; Mar. 3; Sp. p. 408; Dr. p. 88; Gaz. vol. 133; p. 73.
 Gas-generator, Acetylene-. H. S. and B. Stoner. No. 880,763; Mar. 3; Sp. p. 554; Dr. pp. 117-18; Gaz. vol. 133; p. 96.
 Gas-generator, Acetylene-. A. S. Phelps, Jr. No. 881,615; Mar. 10; Sp. p. 2240; Dr. pp. 487-8; Gaz. vol. 133; p. 405.
 Gas-generator, Acetylene-. J. Heaton. No. 886,699; May 5; Sp. p. 730; Dr. p. 150; Gaz. vol. 134; p. 123.
 Gas-generator, Acetylene-. C. W. Metcalf. No. 887,491; May 12; Sp. p. 2384; Dr. pp. 501-2; Gaz. vol. 134; p. 409.
 Gas-generator, Acetylene-. J. E. McIntire. No. 890,439; June 9; Sp. p. 2505; Dr. p. 554; Gaz. vol. 134; p. 1489.
 Gas-generator, Acetylene-. W. E. Travers. No. 891,573; June 23; Sp. p. 4852; Dr. p. 1046; Gaz. vol. 134; p. 1924.
 Gas-generator, Acetylene-. O. H. Hasneder. No. 891,616; June 23; Sp. p. 4926; Dr. p. 1062; Gaz. vol. 134; p. 1937.
 Gas-generator, Acetylene-. C. W. Beck. No. 892,573; July 7; Sp. p. 341; Dr. pp. 75-6; Gaz. vol. 135; p. 64.
 Gas-generator, Acetylene-. C. E. Wry and C. R. Jones. No. 892,924; July 7; Sp. p. 1078; Dr. p. 226; Gaz. vol. 135; p. 178.
 Gas-generator, Acetylene-. A. W. Hanger. No. 894,885; Aug. 4; Sp. p. 179; Dr. p. 39; Gaz. vol. 135; p. 928.
 Gas-generator, Acetylene-. C. W. Beck. (Reissue). No. 12,846; Aug. 25; Sp. p. 5135; Dr. pp. 1070-1; Gaz. vol. 135; p. 1781.
 Gas-generator, Acetylene-. E. M. Rosenbluth. No. 899,809; Sept. 29; Sp. p. 5109; Dr. pp. 1092-3; Gaz. vol. 136; p. 959.
 Gas-generator, Acetylene-. G. W. Fiedler and T. Bischof. No. 899,964; Sept. 29; Sp. p. 5429; Dr. p. 1157; Gaz. vol. 136; p. 1008.
 Gas-generator, Acetylene-. F. C. Nickel. No. 901,640; Oct. 20; Sp. p. 3288; Dr. p. 674; Gaz. vol. 136; p. 1648.
 Gas-generator, Acetylene-. E. M. Rosenbluth. No. 903,506; Nov. 10; Sp. p. 1943; Gaz. vol. 137; p. 350.
 Gas-generator, Acetylene-. E. M. Rosenbluth. No. 903,507; Nov. 10; Sp. p. 1947; Gaz. vol. 137; p. 350.
 Gas-generator, Acetylene-. C. L. Betts. No. 907,446; Dec. 22; Sp. p. 4544; Gaz. vol. 137; p. 1831.
 Gas-generator air-forcing means. G. P. Campbell and F. H. Ringemann. No. 882,994; Mar. 24; Sp. p. 4982; Dr. p. 1059; Gaz. vol. 133; p. 914.
 Gas-generator for explosive-engines. H. K. Shanck. No. 883,981; Apr. 7; Sp. p. 633; Dr. p. 126; Gaz. vol. 133; p. 1293.
 Gas-generator, Hydrocarbon-. A. D. Sumner. No. 885,886; Apr. 28; Sp. p. 4556; Dr. p. 955; Gaz. vol. 133; p. 2002.
 Gas-generator, Suction. J. Fielding. No. 877,068; Jan. 21; Sp. p. 2848; Dr. p. 615; Gaz. vol. 132; p. 531.
 Gas-generator, Water-. H. N. Cheney. No. 894,483; July 28; Sp. p. 4403; Dr. pp. 908-9; Gaz. vol. 135; p. 771.
 Gas-generators, Apparatus for feeding fuel to. C. F. Cattell. No. 877,905; Feb. 4; Sp. p. 21; Dr. pp. 4-5; Gaz. vol. 132; p. 852.
 Gas-generators, Feed-regulator for. C. L. Gerrard. No. 883,189; Mar. 31; Sp. p. 5371; Dr. pp. 1143-4; Gaz. vol. 133; p. 1008.
 Gas-heater. J. S. Panasevitch. No. 900,303; Oct. 6; Sp. p. 491; Dr. p. 102; Gaz. vol. 136; p. 1150.
 Gas-heaters, Deodorizing attachment for. H. A. Gorsline and A. Klein. No. 900,722; Oct. 13; Sp. p. 1394; Dr. p. 283; Gaz. vol. 136; p. 1314.
 Gas-heating apparatus. H. G. Steele and J. J. Willy. No. 888,547; May 26; Sp. p. 4449; Dr. p. 942; Gaz. vol. 134; p. 815.
 Gas-holder. H. A. Carpenter. No. 880,441; Feb. 25; Sp. p. 5261; Dr. p. 1107; Gaz. vol. 132; p. 1790.
 Gas-holders, Guide-frame for. H. J. Stoffels. No. 901,205; Oct. 13; Sp. p. 2346; Dr. p. 480; Gaz. vol. 136; p. 1469.
 Gas-hose safety device. B. Leyh. No. 894,450; July 28; Sp. p. 4345; Dr. p. 895; Gaz. vol. 135; p. 761.
 Gas-igniter. C. T. Giorgi. No. 881,235; Mar. 10; Sp. p. 1487; Dr. p. 320; Gaz. vol. 133; p. 280.
 Gas-igniter, Pressure-controlled. E. Zickwolt. No. 907,304; Dec. 22; Sp. p. 4258; Gaz. vol. 137; p. 1784.
 Gas into vacuum-tubes, Device for admitting. H. Bauer. No. 905,632; Dec. 1; Sp. p. 1043; Gaz. vol. 137; p. 1151.
 Gas-jet heater. J. W. Allen. No. 888,954; May 26; Sp. p. 5321; Dr. p. 1129; Gaz. vol. 134; p. 949.
 Gas-keys, Safety-cap for. E. J. Cherrington. No. 886,478; May 5; Sp. p. 274; Dr. p. 58; Gaz. vol. 134; p. 50.
 Gas-leak detector. E. I. Thomas. No. 895,815; Aug. 11; Sp. p. 2090; Dr. p. 443; Gaz. vol. 135; p. 1260.
 Gas-light fixture. J. Maas. No. 886,712; May 5; Sp. p. 766; Dr. pp. 156-8; Gaz. vol. 134; p. 128.
 Gas-light fixture. J. Maas. No. 900,031; Sept. 29; Sp. p. 5583; Dr. p. 1193; Gaz. vol. 136; p. 1030.
 Gas-lights by varying the pressure in the mains, Device for automatically lighting and extinguishing. J. M. Tourtel and W. R. Mealing. No. 903,633; Nov. 10; Sp. p. 2211; Gaz. vol. 137; p. 391.
 Gas-lighter. L. B. Prahar. No. 897,780; Sept. 1; Sp. p. 1090; Dr. p. 234; Gaz. vol. 136; p. 174.
 Gas-lighter. J. Pasternak. No. 907,702; Dec. 22; Sp. p. 5108; Gaz. vol. 137; p. 1915.
 Gas-lighter, Automatic. E. Zickwolt. No. 886,914; May 5; Sp. p. 1157; Dr. p. 243; Gaz. vol. 134; p. 190.
 Gas-lighter, Electric. R. A. Rockwood. No. 887,965; May 19; Sp. p. 3308; Dr. p. 695; Gaz. vol. 134; p. 596.
 Gas-lighter, Electric. J. D. McIntyre. No. 899,181; Sept. 22; Sp. p. 3337; Dr. p. 821; Gaz. vol. 136; p. 719.
 Gas lighting and extinguishing mechanism. G. Robson. No. 882,967; Mar. 24; Sp. p. 4930; Dr. pp. 1046-7; Gaz. vol. 133; p. 907.
 Gas-lighting device. W. K. Elliott. No. 882,055; Mar. 17; Sp. p. 3160; Dr. pp. 671-2; Gaz. vol. 133; p. 574.
 Gas-lighting machine, Electric. D. A. Barlow. No. 885,134; Apr. 21; Sp. p. 3013; Dr. p. 635; Gaz. vol. 133; p. 1729.
 Gas-lighting mechanism, Automatic. N. H. Shaw. No. 885,795; Apr. 28; Sp. p. 4372; Dr. p. 918; Gaz. vol. 133; p. 1971.
 Gas-machine. M. A. Boltenstern. No. 895,717; Aug. 11; Sp. p. 1879; Dr. pp. 398-9; Gaz. vol. 135; p. 1229.
 Gas-machine. F. Schmitt and J. W. Neumann. No. 906,940; Dec. 15; Sp. p. 3526; Gaz. vol. 137; p. 1627.
 Gas-machine mixer. C. E. Sayre. No. 877,740; Jan. 28; Sp. p. 4198; Dr. p. 909; Gaz. vol. 132; p. 771.
 Gas-machines, Air-pump for. F. M. Campbell. No. 899,481; Sept. 22; Sp. p. 4396; Dr. pp. 943-4; Gaz. vol. 136; p. 814.
 Gas-main appliance. M. W. Offutt. No. 891,854; June 30; Sp. p. 5446; Dr. p. 1178; Gaz. vol. 134; p. 2050.
 Gas-mains, Automatic device for operating water seals for. L. Shaw. No. 902,454; Oct. 27; Sp. p. 5003; Dr. p. 1011; Gaz. vol. 136; p. 1944.
 Gas-mains, Automatic device for operating water seals for. L. Shaw. No. 906,312; Dec. 8; Sp. p. 2350; Gaz. vol. 137; p. 1403.
 Gas, Making. L. P. Lowe. No. 882,764; Mar. 24; Sp. p. 4515; Dr. p. 963; Gaz. vol. 133; p. 839.
 Gas, Making. A. M. Gow. No. 884,655; Apr. 14; Sp. p. 2038; Dr. p. 435; Gaz. vol. 133; p. 1542.
 Gas-making apparatus. J. M. Conway. No. 896,801; Aug. 25; Sp. p. 4046; Dr. p. 871; Gaz. vol. 135; p. 1624.
 Gas-making apparatus. O. H. Ensign. No. 907,688; Dec. 22; Sp. p. 5081; Gaz. vol. 137; p. 1910.
 Gas, Making producer-. F. Jahns. No. 885,480; Apr. 21; Sp. p. 3711; Dr. p. 780; Gaz. vol. 133; p. 1842.
 Gas, Making producer-. E. P. Snowden. No. 887,861; May 19; Sp. p. 3110; Dr. p. 652; Gaz. vol. 134; p. 561.
 Gas-making systems, Boiler for. C. I. Tenney. No. 900,230; Oct. 6; Sp. p. 322; Dr. p. 66; Gaz. vol. 136; p. 1125.
 Gas-mantle, Inverted incandescent. S. Cohn. No. 898,437; Sept. 15; Sp. p. 2422; Dr. p. 518; Gaz. vol. 136; p. 451.
 Gas-mantle support. C. J. Barton. No. 898,957; Sept. 15; Sp. p. 3392; Dr. p. 728; Gaz. vol. 136; p. 618.
 Gas, Manufacture of. J. Bueb. No. 904,043; Nov. 17; Sp. p. 3056; Gaz. vol. 137; p. 556.
 Gas, Manufacturing. C. H. Rider. No. 879,321; Feb. 18; Sp. p. 2923; Dr. p. 610; Gaz. vol. 132; p. 1389.
 Gas, Manufacturing. H. M. Pierson. No. 882,908; Mar. 24; Sp. p. 4817; Dr. p. 1023; Gaz. vol. 133; p. 886.
 Gas, Manufacturing. H. M. Pierson. No. 882,909; Mar. 24; Sp. p. 4819; Dr. p. 1024; Gaz. vol. 133; p. 887.
 Gas, Manufacturing. H. W. Benner. No. 896,795; Aug. 25; Sp. p. 4032; Dr. p. 868; Gaz. vol. 135; p. 1622.
 Gas, Manufacturing. H. Pettibone. No. 898,601; Sept. 15; Sp. p. 2739; Dr. p. 586; Gaz. vol. 136; p. 502.
 Gas, Manufacturing. H. W. Benner. No. 899,690; Sept. 29; Sp. p. 4841; Dr. p. 1037; Gaz. vol. 136; p. 918.
 Gas-manufacturing apparatus. H. M. Pierson. No. 882,907; Mar. 24; Sp. p. 4815; Dr. p. 1023; Gaz. vol. 133; p. 885.
 Gas-manufacturing apparatus. H. Pettibone. No. 885,372; Apr. 21; Sp. p. 3519; Dr. p. 735; Gaz. vol. 133; p. 1809.
 Gas-manufacturing apparatus. E. Rider. No. 900,423; Oct. 6; Sp. p. 734; Dr. p. 153; Gaz. vol. 136; p. 1189.
 Gas-manufacturing apparatus. H. Pettibone. No. 900,582; Oct. 6; Sp. p. 1093; Dr. p. 224; Gaz. vol. 136; p. 1241.
 Gas-manufacturing apparatus, Fuel-. C. I. Rider. No. 879,320; Feb. 18; Sp. p. 2921; Dr. p. 609; Gaz. vol. 132; p. 1389.
 Gas-manufacturing apparatus, Hydrogen-. E. Geisenberger. No. 900,516; Oct. 6; Sp. p. 963; Dr. p. 195; Gaz. vol. 136; p. 1219.
 Gas, Means for controlling the flow of. G. G. Kothe. No. 892,996; July 14; Sp. p. 1248; Dr. p. 262; Gaz. vol. 135; p. 233.
 Gas-meter. T. C. E., and W. J. Henning. No. 876,875; Jan. 14; Sp. p. 2408; Dr. pp. 524-5; Gaz. vol. 132; p. 425.
 Gas-meter. J. R. Armstrong. No. 889,652; June 2; Sp. p. 896; Dr. pp. 206-7; Gaz. vol. 134; p. 1205.
 Gas-meter, Coin-controlled. H. T. Sloper. No. 901,044; Oct. 13; Sp. p. 2056; Dr. p. 418; Gaz. vol. 136; p. 1418.
 Gas-meter, Prepayment. B. G. Waggner. No. 880,767; Mar. 3; Sp. p. 53; Dr. p. 119; Gaz. vol. 133; p. 97.
 Gas-meter, Slot. F. Smith. No. 906,075; Dec. 8; Sp. p. 1886; Gaz. vol. 137; p. 1323.
 Gas-meters and the like, Coin-controlled apparatus for prepayment. B. G. Waggner. No. 890,828; June 16; Sp. p. 3329; Dr. p. 728; Gaz. vol. 134; p. 1650.
 Gas-mixer. A. L. Avery. No. 893,418; July 14; Sp. p. 2057; Dr. p. 431; Gaz. vol. 135; p. 370.

Alphabetical list of inventions—Continued.

- Gas-mixer. L. M. Simmons. No. 904,368; Nov. 17; Sp. p. 3755; Gaz. vol. 137; p. 668.
- Gas mixtures, Apparatus for the analysis of. W. S. Hubbard. No. 897,900; Sept. 8; Sp. p. 1354; Dr. p. 290; Gaz. vol. 136; p. 245.
- Gas mixtures, Blowpipe for burning. G. E. Roberts and J. C. Sullivan. No. 904,452; Nov. 17; Sp. p. 3923; Gaz. vol. 137; p. 696.
- Gas mixtures, Burner for explosive. H. Hirschweh. No. 908,005; Dec. 29; Sp. p. 5741; Gaz. vol. 137; p. 2044.
- Gas-motor engine. C. B. Wattles. No. 889,417; June 2; Sp. p. 453; Dr. pp. 108-9; Gaz. vol. 134; p. 1131.
- Gas-nozzle dirt-retainer. H. Süßmann. No. 896,479; Aug. 18; Sp. p. 3391; Dr. p. 730; Gaz. vol. 135; p. 1497.
- Gas or other explosive engine. J. W. Kales. No. 880,741; Mar. 3; Sp. p. 510; Dr. p. 105; Gaz. vol. 133; p. 89.
- Gas or vapor engine, Double-acting. O. C. Durvea. No. 875,899; Jan. 7; Sp. p. 418; Dr. p. 93; Gaz. vol. 132; p. 77.
- Gas-oven, Portable reel. G. B. Meek. No. 906,251; Dec. 8; Sp. p. 2233; Gaz. vol. 137; p. 1383.
- Gas plants, Pressure-regulator for compressed-. L. Karger. No. 876,359; Jan. 14; Sp. p. 1335; Dr. p. 290; Gaz. vol. 132; p. 253.
- Gas-pressure gage. W. Thomas. No. 886,552; May 5; Sp. p. 414; Dr. p. 88; Gaz. vol. 134; p. 76.
- Gas-pressure-regulating device. T. B. Keogh. No. 877,932; Feb. 4; Sp. p. 75; Dr. p. 15; Gaz. vol. 132; p. 861.
- Gas-pressure regulator. P. Keller. No. 879,472; Feb. 18; Sp. p. 3246; Dr. p. 676; Gaz. vol. 132; p. 1437.
- Gas-pressure regulator. J. W. Weeks. No. 885,681; Apr. 21; Sp. p. 4128; Dr. p. 864; Gaz. vol. 133; p. 1904.
- Gas-pressure regulator. V. E. Bean. No. 889,189; June 2; Sp. p. 4; Dr. p. 2; Gaz. vol. 134; p. 1058.
- Gas-producer. N. McConnell. No. 876,079; Jan. 7; Sp. p. 773; Dr. p. 165; Gaz. vol. 132; p. 131.
- Gas-producer. W. J. McClurg. No. 876,575; Jan. 14; Sp. p. 1820; Dr. pp. 397-8; Gaz. vol. 132; p. 327.
- Gas-producer. W. S. Huyette. No. 876,967; Jan. 21; Sp. p. 2632; Dr. p. 571; Gaz. vol. 132; p. 496.
- Gas-producer. R. B. Cissel. No. 879,441; Feb. 18; Sp. p. 3181; Dr. p. 662; Gaz. vol. 132; p. 1428.
- Gas-producer. G. J. Weber. No. 879,505; Feb. 18; Sp. p. 3312; Dr. p. 693; Gaz. vol. 132; p. 1449.
- Gas-producer. H. E. Smythe. No. 879,920; Feb. 25; Sp. p. 4222; Dr. pp. 880-1; Gaz. vol. 132; p. 1619.
- Gas-producer. H. I. Lea. No. 881,100; Mar. 3; Sp. p. 1211; Dr. p. 261; Gaz. vol. 133; p. 206.
- Gas-producer. H. T. Newell. No. 881,258; Mar. 10; Sp. p. 1530; Dr. p. 329; Gaz. vol. 133; p. 288.
- Gas-producer. H. Gerdes. No. 883,131; Mar. 24; Sp. p. 5246; Dr. p. 1120; Gaz. vol. 133; p. 959.
- Gas-producer. J. R. George. No. 886,491; May 5; Sp. p. 295; Dr. p. 62; Gaz. vol. 134; p. 54.
- Gas-producer. C. J. Atkinson. No. 887,300; May 12; Sp. p. 1965; Dr. p. 413; Gaz. vol. 134; p. 345.
- Gas-producer. E. P. Snowden. No. 887,860; May 19; Sp. p. 3106; Dr. p. 651; Gaz. vol. 134; p. 561.
- Gas-producer. J. Bowey, Jr. No. 888,780; May 26; Sp. p. 4936; Dr. pp. 1052-3; Gaz. vol. 134; p. 892.
- Gas-producer. G. Westinghouse. No. 890,951; June 16; Sp. p. 3587; Dr. p. 782; Gaz. vol. 134; p. 1689.
- Gas-producer. S. W. Rushmore. No. 891,292; June 23; Sp. p. 4259; Dr. p. 932; Gaz. vol. 134; p. 1832.
- Gas-producer. W. B. Hughes. No. 892,427; July 7; Sp. p. 67; Dr. p. 16; Gaz. vol. 135; p. 15.
- Gas-producer. E. N. Trump. No. 893,114; July 14; Sp. p. 1473; Dr. pp. 310-11; Gaz. vol. 135; p. 271.
- Gas-producer. W. B. Hughes. No. 894,146; July 21; Sp. p. 3682; Dr. p. 764; Gaz. vol. 135; p. 640.
- Gas-producer. M. E. Crowell. No. 894,877; Aug. 4; Sp. p. 154; Dr. pp. 34-5; Gaz. vol. 135; p. 925.
- Gas-producer. F. Powell. No. 897,009; Aug. 25; Sp. p. 4513; Dr. p. 965; Gaz. vol. 135; p. 1693.
- Gas-producer. W. B. Hughes. No. 899,050; Sept. 22; Sp. p. 3569; Dr. p. 764; Gaz. vol. 136; p. 674.
- Gas-producer. W. B. Hughes. No. 899,867; Sept. 29; Sp. p. 5234; Dr. p. 1119; Gaz. vol. 136; p. 978.
- Gas-producer. H. I. Lea. No. 900,862; Oct. 13; Sp. p. 1681; Dr. p. 340; Gaz. vol. 136; p. 1360.
- Gas-producer. R. L. Morgan. No. 901,359; Oct. 20; Sp. p. 2677; Dr. p. 549; Gaz. vol. 136; p. 1555.
- Gas-producer. L. C. Parker. No. 901,823; Oct. 20; Sp. p. 3687; Dr. p. 749; Gaz. vol. 136; p. 1709.
- Gas-producer. C. H. Morgan. No. 902,432; Oct. 27; Sp. p. 4955; Dr. p. 1001; Gaz. vol. 136; p. 1937.
- Gas-producer. P. Schmidt and A. Desgraz. No. 903,112; Nov. 3; Sp. p. 1160; Gaz. vol. 137; p. 188.
- Gas-producer. H. E. Smythe. No. 905,474; Dec. 1; Sp. p. 735; Gaz. vol. 137; p. 1102.
- Gas-producer. J. Maly. No. 906,812; Dec. 15; Sp. p. 3274; Gaz. vol. 137; p. 1587.
- Gas-producer-charging device. H. Pettibone. No. 891,859; June 30; Sp. p. 5458; Dr. p. 1180; Gaz. vol. 134; p. 2052.
- Gas-producer-feeding apparatus. J. A. Swindell. No. 905,117; Nov. 24; Sp. p. 5314; Gaz. vol. 137; p. 946.
- Gas-producer-feeding mechanism. V. E. Edwards. No. 886,494; May 5; Sp. p. 281; Dr. p. 59; Gaz. vol. 134; p. 52.
- Gas-producer-feeding mechanism. W. B. Hughes. No. 904,873; Nov. 24; Sp. p. 4840; Gaz. vol. 137; p. 864.
- Gas-producer, High-pressure. E. P. Noyes and S. A. Reeve. No. 893,192; July 14; Sp. p. 1631; Dr. pp. 344-5; Gaz. vol. 135; p. 295.
- Gas-producer, Maintaining a constant or approximately constant temperature in a. E. Capitaine. No. 888,421; May 19; Sp. p. 4187; Dr. p. 888; Gaz. vol. 134; p. 742.
- Gas-producer plant. C. Whitfield. No. 883,845; Apr. 7; Sp. p. 355; Dr. p. 68; Gaz. vol. 133; p. 1247.
- Gas-producer, Suction. J. Bowey, Jr. No. 893,604; July 21; Sp. p. 2496; Dr. pp. 519-20; Gaz. vol. 135; p. 460.
- Gas-producers, Ash-extractor for. J. A. Smitsmans. No. 892,767; July 7; Sp. p. 730; Dr. pp. 154-5; Gaz. vol. 135; p. 126.
- Gas-producers, Charger and stirrer for. H. E. Smythe and E. W. Shinn. No. 899,572; Sept. 29; Sp. p. 4605; Dr. pp. 989-90; Gaz. vol. 136; p. 881.
- Gas-producers, Feeding fuel into. H. F. Smith. No. 880,411; Feb. 25; Sp. p. 5192; Dr. p. 1094; Gaz. vol. 132; p. 1780.
- Gas-producers, Fuel-feeding mechanism for. D. Baker. No. 886,672; May 5; Sp. p. 662; Dr. pp. 137-8; Gaz. vol. 134; p. 113.
- Gas-producers, Grate for. R. Hilprecht. No. 885,155; Apr. 21; Sp. p. 3060; Dr. p. 642; Gaz. vol. 133; p. 1736.
- Gas-producers, Operating. E. P. Coleman. No. 888,785; May 26; Sp. p. 4951; Dr. p. 1056; Gaz. vol. 134; p. 893.
- Gas-producers, Poke-hole for. H. E. Smythe. No. 887,536; May 12; Sp. p. 2464; Dr. p. 520; Gaz. vol. 134; p. 424.
- Gas-producers, Poker mechanism for. S. B. Sheldon. No. 886,655; May 5; Sp. p. 620; Dr. pp. 129-30; Gaz. vol. 134; p. 107.
- Gas, Producing. E. H. Amet. No. 885,903; Apr. 28; Sp. p. 4586; Dr. p. 962; Gaz. vol. 133; p. 2007.
- Gas, Producing. F. Bauke. No. 887,058; May 12; Sp. p. 1436; Dr. p. 305; Gaz. vol. 134; p. 265.
- Gas, Producing. G. J. Weber. No. 887,989; May 19; Sp. p. 3357; Dr. p. 705; Gaz. vol. 134; p. 604.
- Gas, Producing. W. B. Dennis. No. 893,462; July 14; Sp. p. 2178; Dr. pp. 457-8; Gaz. vol. 135; p. 384.
- Gas, Producing. W. H. Frost and J. J. Nix. No. 900,065; Sept. 29; Sp. p. 5663; Dr. p. 1210; Gaz. vol. 136; p. 1041.
- Gas, Producing. B. E. Eldred. No. 901,232; Oct. 13; Sp. p. 2388; Dr. p. 489; Gaz. vol. 136; p. 1476.
- Gas, Producing. C. J. Greenstreet. No. 906,793; Dec. 15; Sp. p. 3237; Gaz. vol. 137; p. 1581.
- Gas-producing apparatus. E. H. Amet. No. 885,904; Apr. 28; Sp. p. 4590; Dr. p. 962; Gaz. vol. 133; p. 2008.
- Gas-producing apparatus. J. J. Nix and W. H. Frost. No. 900,010; Sept. 29; Sp. p. 5531; Dr. p. 1179; Gaz. vol. 136; p. 1023.
- Gas-producing apparatus. G. F. Rendall. No. 903,503; Nov. 10; Sp. p. 1936; Gaz. vol. 137; p. 349.
- Gas-producing apparatus. G. Marconnet. No. 906,441; Dec. 8; Sp. p. 2578; Gaz. vol. 137; p. 1443.
- Gas-producing apparatus. F. E. Pink. No. 907,110; Dec. 15; Sp. p. 3830; Gaz. vol. 137; p. 1680.
- Gas-producing apparatus for extinguishing fires and other purposes. H. N. Williams. No. 902,514; Oct. 27; Sp. p. 5143; Dr. p. 1042; Gaz. vol. 136; p. 1966.
- Gas-producing apparatus, Suction. H. H. Ralph. No. 888,532; May 26; Sp. p. 4402; Dr. p. 933; Gaz. vol. 134; p. 805.
- Gas-producing furnace. C. Gerner. No. 876,903; Jan. 14; Sp. p. 2468; Dr. p. 539; Gaz. vol. 132; p. 435.
- Gas-producing furnaces, Fuel-feeding device for. S. B. Sheldon. No. 884,620; Apr. 14; Sp. p. 1922; Dr. pp. 413-14; Gaz. vol. 133; p. 1529.
- Gas, Producing insecticidal. H. V. Walker. No. 905,609; Dec. 1; Sp. p. 999; Gaz. vol. 137; p. 1143.
- Gas-purifier. W. Towns. No. 879,219; Feb. 18; Sp. p. 2723; Dr. p. 568; Gaz. vol. 132; p. 1355.
- Gas-purifier. O. W. Peterson. No. 890,704; June 16; Sp. p. 3060; Dr. p. 671; Gaz. vol. 134; p. 1607.
- Gas-purifier. E. Theisen. No. 895,313; Aug. 4; Sp. p. 1094; Dr. p. 229; Gaz. vol. 135; p. 1074.
- Gas-purifying apparatus. N. T. Harrington. No. 889,228; June 2; Sp. p. 76; Dr. p. 17; Gaz. vol. 134; p. 1070.
- Gas-purifying apparatus. E. Higgins. No. 889,229; June 2; Sp. p. 77; Dr. p. 17; Gaz. vol. 134; p. 1070.
- Gas-purifying apparatus. H. F. Smith. No. 834,753; July 28; Sp. p. 4918; Dr. p. 1024; Gaz. vol. 135; p. 858.
- Gas, Recovering ammonia and heating air in the manufacture of producer-. W. J. Crossley and T. Rigby. No. 885,980; Apr. 28; Sp. p. 4766; Dr. p. 1001; Gaz. vol. 133; p. 2034.
- Gas-regulator. F. M. Brooks. No. 890,122; June 9; Sp. p. 1856; Dr. p. 409; Gaz. vol. 134; p. 1386.
- Gas-regulator. C. P. Kenton. No. 890,238; June 9; Sp. p. 2097; Dr. p. 460; Gaz. vol. 134; p. 1424.
- Gas-regulator. A. T. Newman. No. 901,991; Oct. 27; Sp. p. 4046; Dr. p. 820; Gaz. vol. 136; p. 1794.
- Gas-regulator. O. W. Lutz. No. 906,810; Dec. 15; Sp. p. 3270; Gaz. vol. 137; p. 1586.
- Gas-regulators, Mercury seal for. C. P. Kenton. No. 893,521; July 14; Sp. p. 2298; Dr. p. 482; Gaz. vol. 135; p. 403.
- Gas-retort charging and drawing machine. H. E. Carpenter. No. 880,440; Feb. 25; Sp. p. 5259; Dr. pp. 1106-7; Gaz. vol. 132; p. 1790.
- Gas-retort-charging machine. J. West. No. 898,538; Sept. 15; Sp. p. 2621; Dr. pp. 560-2; Gaz. vol. 136; p. 482.
- Gas-retort collar. W. G. Laird. No. 888,622; May 26; Sp. p. 4611; Dr. pp. 978-9; Gaz. vol. 134; p. 842.
- Gas-retort-discharging machine. J. West. No. 898,537; Sept. 15; Sp. p. 2618; Dr. p. 559; Gaz. vol. 136; p. 482.
- Gas-retort-feeding machine. C. Eitle. No. 903,184; Nov. 10; Sp. p. 1299; Gaz. vol. 137; p. 243.
- Gas-retorts, Centrifugal machine for feeding. C. Eitle. No. 906,785; Dec. 15; Sp. p. 3226; Gaz. vol. 137; p. 1579.
- Gas-scrubber. A. L. Galusha. No. 902,958; Nov. 3; Sp. p. 854; Gaz. vol. 137; p. 142.
- Gas-scrubber and washer. J. Sherman. No. 890,938; June 16; Sp. p. 3559; Dr. p. 776; Gaz. vol. 134; p. 1685.
- Gas-scrubbing apparatus. P. Plantinga. No. 890,450; June 9; Sp. p. 2520; Dr. p. 557; Gaz. vol. 134; p. 1491.
- Gas-service pipes, Antifluator for. W. M. Wood. No. 889,423; June 2; Sp. p. 464; Dr. p. 111; Gaz. vol. 134; p. 1133.

Alphabetical list of inventions—Continued.

- Gas-stove. P. Nehlig. No. 905,739; Dec. 1; Sp. p. 1243; Gaz. vol. 137; p. 1185.
 Gas-street-light extinguisher. S. Wells. No. 883,262; Mar. 31; Sp. p. 5529; Dr. p. 1179; Gaz. vol. 133; p. 1032.
 Gas-supply cut-off, Automatic. J. Koumeas. No. 890,070; June 9; Sp. p. 1755; Dr. p. 389; Gaz. vol. 134; p. 1369.
 Gas-tip. J. E. Frye. No. 905,167; Dec. 1; Sp. p. 88; Gaz. vol. 137; p. 997.
 Gas tips, Machine for making acetylene-. C. S. Steward and W. T. Lowry. No. 881,352; Mar. 10; Sp. p. 1717; Dr. pp. 370-1; Gaz. vol. 133; p. 318.
 Gas-torch, Self-generating. W. H. Thayer. No. 895,597; Aug. 11; Sp. p. 1646; Dr. p. 347; Gaz. vol. 135; p. 1190.
 Gas trap, Sewer-. W. J. Wilker. No. 891,580; June 23; Sp. p. 4860; Dr. p. 1047; Gaz. vol. 134; p. 1926.
 Gas trap, Sewer-. J. P. Putnam. No. 898,136; Sept. 8; Sp. p. 1850; Dr. p. 394; Gaz. vol. 136; p. 322.
 Gas, Treating. J. S. McIlhenny. No. 885,857; Apr. 28; Sp. p. 4504; Dr. p. 946; Gaz. vol. 133; p. 1992.
 Gas, Treating and utilizing chlorin. E. C. Paramore. No. 908,126; Dec. 29; Sp. p. 5974; Gaz. vol. 137; p. 2084.
 Gas-tube, &c., coupling. H. Holton. No. 906,137; Dec. 8; Sp. p. 2009; Gaz. vol. 137; p. 1343.
 Gas under uniform pressure, Generating and delivering. W. C. Finck. No. 886,289; Apr. 28; Sp. p. 5363; Dr. p. 1128; Gaz. vol. 133; p. 2135.
 Gas-valve, Pressure. F. O. H. Fincke. No. 904,057; Nov. 17; Sp. p. 3089; Gaz. vol. 137; p. 561.
 Gas-valve, Safety. F. Yockey and C. D. McLeod. No. 895,136; Aug. 4; Sp. p. 718; Dr. p. 150; Gaz. vol. 135; p. 1014.
 Gas-washer. F. H. Moyer. No. 886,009; Apr. 28; Sp. p. 4829; Dr. pp. 1014-15; Gaz. vol. 133; p. 2043.
 Gas-washer. F. H. Moyer. No. 886,304; Apr. 28; Sp. p. 5396; Dr. p. 1133; Gaz. vol. 133; p. 2140.
 Gas-washer. B. J. Mullen. No. 890,996; June 16; Sp. p. 3688; Dr. p. 804; Gaz. vol. 134; p. 1704.
 Gas-washer. O. E. Gressly. No. 891,474; June 23; Sp. p. 4650; Dr. p. 1007; Gaz. vol. 134; p. 1893.
 Gases and apparatus therefor, Method of electrically detecting dangerous. H. Freise. No. 892,241; June 30; Sp. p. 6188; Dr. p. 1833; Gaz. vol. 134; p. 2176.
 Gases and gas mixtures by means of voltaic arcs, Apparatus for treating. A. J. Petersson. No. 880,464; Feb. 25; Sp. p. 5314; Dr. p. 1118; Gaz. vol. 132; p. 1799.
 Gases and gas mixtures by means of voltaic arcs, Treating. A. J. Petersson. No. 880,037; Feb. 25; Sp. p. 4454; Dr. p. 935; Gaz. vol. 132; p. 1656.
 Gases and liquids, Apparatus for producing interaction between. H. Koppers. No. 903,483; Nov. 10; Sp. p. 1895; Gaz. vol. 137; p. 342.
 Gases, Apparatus and process for burning acetylene or similar. J. Harris. No. 878,461; Feb. 4; Sp. p. 1135; Dr. p. 233; Gaz. vol. 132; p. 1035.
 Gases, Apparatus for absorption of. G. Eschellmann and A. Harmuth. No. 894,792; July 28; Sp. p. 4993; Dr. p. 1042; Gaz. vol. 135; p. 871.
 Gases, Apparatus for chemically combining. D. R. Lovejoy. No. 904,071; Nov. 17; Sp. p. 3115; Gaz. vol. 137; p. 566.
 Gases, Apparatus for chemically combining. D. R. Lovejoy. No. 904,072; Nov. 17; Sp. p. 3117; Gaz. vol. 137; p. 566.
 Gases, Apparatus for effecting chemical action in. D. R. Lovejoy. No. 904,073; Nov. 17; Sp. p. 3118; Gaz. vol. 137; p. 566.
 Gases, Apparatus for producing electric discharges through. A. Schnell. No. 886,874; May 5; Sp. p. 1083; Dr. p. 227; Gaz. vol. 134; p. 178.
 Gases, Apparatus for removing solid and liquid particles from. F. Sepulchre. No. 899,628; Sept. 29; Sp. p. 4736; Dr. p. 1013; Gaz. vol. 136; p. 899.
 Gases, Apparatus for the analysis of. J. A. Caldwell. No. 906,687; Dec. 15; Sp. p. 3032; Gaz. vol. 137; p. 1546.
 Gases, Apparatus for the treatment of. S. Z. de Ferranti. No. 898,346; Sept. 8; Sp. p. 2227; Dr. pp. 473-4; Gaz. vol. 136; p. 386.
 Gases, Apparatus for washing iron-blast-furnace. B. H. Thwaite. No. 896,175; Aug. 18; Sp. p. 2762; Dr. p. 575; Gaz. vol. 135; p. 1396.
 Gases, Cleaning. A. Ernst. No. 900,062; Sept. 29; Sp. p. 5659; Dr. p. 1209; Gaz. vol. 136; p. 1040.
 Gases containing sulfur dioxide, Apparatus for treating. J. L. Tufts. No. 891,116; June 16; Sp. p. 3889; Dr. p. 851; Gaz. vol. 134; p. 1741.
 Gases containing sulfur dioxide, Purifying. G. Eschellmann. No. 900,500; Oct. 6; Sp. p. 930; Dr. p. 189; Gaz. vol. 136; p. 1213.
 Gases, Effecting chemical action in. D. R. Lovejoy. No. 904,070; Nov. 17; Sp. p. 3114; Gaz. vol. 137; p. 566.
 Gases, Filling mass for receivers for storing explosive. G. Dalén. No. 904,183; Nov. 17; Sp. p. 3372; Gaz. vol. 137; p. 607.
 Gases from hydrocarbon, Apparatus for the production of. W. von Dulong. No. 885,230; Apr. 21; Sp. p. 3226; Dr. p. 673; Gaz. vol. 133; p. 1761.
 Gases in air, Apparatus for detecting inflammable. A. Philip and L. J. Steele. No. 899,068; Sept. 22; Sp. p. 3599; Dr. pp. 770-1; Gaz. vol. 136; p. 680.
 Gases, Manufacturing combustible. E. N. Dickerson. No. 888,969; May 26; Sp. p. 5349; Dr. p. 1135; Gaz. vol. 134; p. 955.
 Gases, Preparing solutions of. H. Howard. No. 889,132; May 26; Sp. p. 5663; Dr. p. 1199; Gaz. vol. 134; p. 1006.
 Gases, Separation of. J. Dewar. No. 879,129; Feb. 11; Sp. p. 2548; Gaz. vol. 132; p. 1284.
 Gaseous bodies, Separating suspended particles from. F. G. Cottrell. No. 895,729; Aug. 11; Sp. p. 1913; Dr. p. 406; Gaz. vol. 135; p. 1233.
 Gaseous liquids, Pressure-reducer for. H. A. Reed. No. 901,741; Oct. 20; Sp. p. 3530; Dr. p. 714; Gaz. vol. 136; p. 1684.
 Gaseous mixture having disinfecting and extinguishing properties, Apparatus for producing a. R. Marot. No. 883,036; Mar. 24; Sp. p. 5054; Dr. p. 1077; Gaz. vol. 133; p. 927.
 Gasket. J. H. Glauber. No. 896,204; Aug. 18; Sp. p. 2821; Dr. p. 608; Gaz. vol. 135; p. 1407.
 Gasket. J. C. White. No. 906,761; Dec. 15; Sp. p. 3190; Gaz. vol. 137; p. 1571.
 Gasolene-engine. C. S. Cole. No. 906,773; Dec. 15; Sp. p. 3208; Gaz. vol. 137; p. 1575.
 Gasolene engine and pump drain. G. G. Forester. No. 882,496; Mar. 17; Sp. p. 3961; Dr. p. 847; Gaz. vol. 133; p. 717.
 Gasolene engine with mixing-cylinders on crank-cases. F. A. Dobbins. No. 895,982; Aug. 11; Sp. p. 2419; Dr. p. 519; Gaz. vol. 135; p. 1314.
 Gasolene-tank. J. C. Gurley. No. 888,488; May 26; Sp. p. 4333; Dr. p. 917; Gaz. vol. 134; p. 794.
 Gasolene-trap. W. J. Kramer. No. 882,393; Mar. 17; Sp. p. 3790; Dr. p. 809; Gaz. vol. 133; p. 684.
 Gate: See Automatic gate; Car-gate; Car safety-gate; Cattle-guard gate; Crossing-gate; End-gate; Farm-gate; Field-gate; Flume-gate; Hand-operating gate; Head-gate; Lock-gate; Overflow-gate; Portable gate; Railway-gate; Railway-crossing gate; Sliding gate; Swinging gate; Valve-gate; Wagon end-gate; Water-gate; Water-lock gate.
 Gate. I. N. Williams. No. 876,122; Jan. 7; Sp. p. 851; Dr. p. 182; Gaz. vol. 132; p. 145.
 Gate. S. D. Fry. No. 876,342; Jan. 14; Sp. p. 1302; Dr. p. 281; Gaz. vol. 132; p. 247.
 Gate. K. Landan. No. 876,565; Jan. 14; Sp. p. 1794; Dr. p. 391; Gaz. vol. 132; p. 324.
 Gate. F. E. Nelson and G. W. Tribbey. No. 877,361; Jan. 21; Sp. p. 3442; Dr. pp. 746-7; Gaz. vol. 132; p. 627.
 Gate. W. S. Flick. No. 877,920; Feb. 4; Sp. p. 51; Dr. pp. 10-11; Gaz. vol. 132; p. 857.
 Gate. T. J. Hightower. No. 879,049; Feb. 11; Sp. p. 2366; Dr. p. 495; Gaz. vol. 132; p. 1259.
 Gate. O. J. Wyman. No. 879,507; Feb. 18; Sp. p. 3319; Dr. p. 693; Gaz. vol. 132; p. 1450.
 Gate. O. Van Tassell. No. 879,701; Feb. 18; Sp. p. 3733; Dr. pp. 782-3; Gaz. vol. 132; p. 1513.
 Gate. J. F. S. Goble. No. 880,295; Feb. 25; Sp. p. 4968; Dr. p. 1048; Gaz. vol. 132; p. 1742.
 Gate. O. E. Brown. No. 880,624; Mar. 3; Sp. p. 276; Dr. p. 59; Gaz. vol. 133; p. 48.
 Gate. J. K. Wheeler. No. 880,945; Mar. 3; Sp. p. 922; Dr. p. 199; Gaz. vol. 133; p. 156.
 Gate. S. B. Hackett. No. 880,987; Mar. 3; Sp. p. 1003; Dr. pp. 214-15; Gaz. vol. 133; p. 170.
 Gate. G. W. and C. E. Goss. No. 881,119; Mar. 10; Sp. p. 1251; Dr. p. 269; Gaz. vol. 133; p. 242.
 Gate. J. H. Bauer and J. J. Dillon. No. 881,532; Mar. 10; Sp. p. 2067; Dr. p. 452; Gaz. vol. 133; p. 376.
 Gate. W. M. Dillon. No. 881,883; Mar. 10; Sp. p. 2776; Dr. p. 596; Gaz. vol. 133; p. 490.
 Gate. G. O. Kidder. No. 882,692; Mar. 24; Sp. p. 4372; Dr. p. 930; Gaz. vol. 133; p. 816.
 Gate. O. H. Ahlemeier. No. 882,987; Mar. 24; Sp. p. 4964; Dr. p. 1056; Gaz. vol. 133; p. 912.
 Gate. F. E. Eldredge. No. 883,182; Mar. 31; Sp. p. 5376; Dr. p. 1141; Gaz. vol. 133; p. 1005.
 Gate. W. H. Mitchell. No. 884,188; Apr. 7; Sp. p. 1088; Dr. p. 227; Gaz. vol. 133; p. 1361.
 Gate. C. Hill. No. 884,333; Apr. 7; Sp. p. 1333; Dr. pp. 283-4; Gaz. vol. 133; p. 1406.
 Gate. C. C. Cohee. No. 884,467; Apr. 14; Sp. p. 1613; Dr. p. 348; Gaz. vol. 133; p. 1480.
 Gate. D. E. Stetler. No. 884,533; Apr. 14; Sp. p. 1750; Dr. p. 376; Gaz. vol. 133; p. 1501.
 Gate. A. Hessel. No. 884,584; Apr. 14; Sp. p. 1850; Dr. p. 397; Gaz. vol. 133; p. 1518.
 Gate. R. G. Ping. No. 885,288; Apr. 21; Sp. p. 3333; Dr. p. 696; Gaz. vol. 133; p. 1780.
 Gate. W. B. Morgan. No. 886,533; May 5; Sp. p. 376; Dr. p. 78; Gaz. vol. 134; p. 69.
 Gate. J. W. Robinson. No. 886,867; May 5; Sp. p. 1067; Dr. pp. 224-5; Gaz. vol. 134; p. 175.
 Gate. E. P. Malone. No. 887,676; May 12; Sp. p. 2721; Dr. p. 575; Gaz. vol. 134; p. 469.
 Gate. A. J. Shrope. No. 887,971; May 19; Sp. p. 3317; Dr. p. 697; Gaz. vol. 134; p. 597.
 Gate. T. E. West. No. 888,373; May 19; Sp. p. 4075; Dr. pp. 858-9; Gaz. vol. 134; p. 725.
 Gate. G. F. Seiser. No. 888,537; May 26; Sp. p. 4412; Dr. p. 936; Gaz. vol. 134; p. 810.
 Gate. T. Powell. No. 890,924; June 16; Sp. p. 3511; Dr. p. 769; Gaz. vol. 134; p. 1679.
 Gate. F. M. Botts. No. 892,026; June 30; Sp. p. 5774; Dr. p. 1242; Gaz. vol. 134; p. 2105.
 Gate. A. E. Taylor, L. F. Parsons, A. Mott, A. Taylor, and E. Fisher. No. 893,111; July 14; Sp. p. 1468; Dr. p. 309; Gaz. vol. 135; p. 270.
 Gate. R. M. Cox. No. 893,449; July 14; Sp. p. 2141; Dr. p. 450; Gaz. vol. 135; p. 380.

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- Gate. D. Fasold. No. 894,319; July 28; Sp. p. 4073; Dr. p. 841; Gaz. vol. 135; p. 718.
 Gate. F. Bohne. No. 894,581; July 28; Sp. p. 4594; Dr. p. 952; Gaz. vol. 135; p. 803.
 Gate. G. W. and C. E. Goss. No. 895,178; Aug. 4; Sp. p. 803; Dr. p. 167; Gaz. vol. 135; p. 1028.
 Gate. J. W. Matthews. No. 895,386; Aug. 4; Sp. p. 1214; Dr. p. 256; Gaz. vol. 135; p. 1097.
 Gate. J. E. Higgins. No. 896,016; Aug. 11; Sp. p. 2483; Dr. p. 537; Gaz. vol. 135; p. 1325.
 Gate. A. A. Witz. No. 897,949; Sept. 8; Sp. p. 1473; Dr. p. 313; Gaz. vol. 136; p. 262.
 Gate. C. N. Mognet. No. 898,060; Sept. 8; Sp. p. 1702; Dr. pp. 360-1; Gaz. vol. 136; p. 297.
 Gate. F. M. Neff. No. 902,438; Oct. 27; Sp. p. 4962; Dr. pp. 1002-3; Gaz. vol. 136; p. 1939.
 Gate. E. A. Foster. No. 903,695; Nov. 10; Sp. p. 2326; Gaz. vol. 137; p. 408.
 Gate. E. J. A. Rice. No. 904,647; Nov. 24; Sp. p. 4343; Gaz. vol. 137; p. 789.
 Gate. G. J. Gintert. No. 904,862; Nov. 24; Sp. p. 4816; Gaz. vol. 137; p. 861.
 Gate. C. W. Raymond. No. 905,363; Dec. 1; Sp. p. 469; Gaz. vol. 137; p. 1052.
 Gate. J. J. Plowman. No. 905,575; Dec. 1; Sp. p. 939; Gaz. vol. 137; p. 1133.
 Gate. C. B. Stevens. No. 905,603; Dec. 1; Sp. p. 989; Gaz. vol. 137; p. 1141.
 Gate. J. Dupras. No. 906,398; Dec. 8; Sp. p. 2493; Gaz. vol. 137; p. 1429.
 Gate. J. J. Carrigan. No. 907,006; Dec. 15; Sp. p. 3633; Gaz. vol. 137; p. 1647.
 Gate. D. Warner. No. 907,546; Dec. 22; Sp. p. 4727; Gaz. vol. 137; p. 1863.
 Gate. J. W. Price. No. 907,873; Dec. 29; Sp. p. 5441; Gaz. vol. 137; p. 2001.
 Gate. A. Vernon. No. 908,360; Dec. 29; Sp. p. 6476; Gaz. vol. 137; p. 2165.
 Gate adjustable opening-stop. Head-. C. D. Butchart. No. 905,407; Dec. 1; Sp. p. 555; Gaz. vol. 137; p. 1079.
 Gate and door closing device. B. Steinman. No. 899,920; Sept. 29; Sp. p. 5322; Dr. pp. 1137-8; Gaz. vol. 136; p. 993.
 Gate and door fastening device. S. B. Scholz. No. 892,456; July 7; Sp. p. 130; Dr. p. 28; Gaz. vol. 135; p. 26.
 Gate construction. W. H. Ansted. No. 901,865; Oct. 20; Sp. p. 3755; Dr. p. 764; Gaz. vol. 136; p. 1722.
 Gate-fastener. P. O. Peterson. No. 831,259; Mar. 10; Sp. p. 1531; Dr. p. 330; Gaz. vol. 133; p. 259.
 Gate-fastener. W. N. Faverty and V. J. Peterson. No. 884,269; Apr. 7; Sp. p. 1225; Dr. p. 258; Gaz. vol. 133; p. 1387.
 Gate-fastener. T. J. Thompson. No. 889,492; June 2; Sp. p. 614; Dr. p. 143; Gaz. vol. 134; p. 1154.
 Gate-fastener. End-. C. W. Stark. No. 907,909; Dec. 29; Sp. p. 5524; Gaz. vol. 137; p. 2012.
 Gate opening and closing device. S. P. King. No. 904,963; Nov. 24; Sp. p. 5012; Gaz. vol. 137; p. 894.
 Gate-operating device. E. L. Booth. No. 897,267; Sept. 1; Sp. p. 11; Dr. p. 3; Gaz. vol. 136; p. 4.
 Gate-operating mechanism. H. E. Williams. No. 882,984; Mar. 24; Sp. p. 4959; Dr. p. 1055; Gaz. vol. 133; p. 911.
 Gate-operating mechanism. J. T. Cannon. No. 889,903; June 9; Sp. p. 1401; Dr. p. 319; Gaz. vol. 134; p. 1311.
 Gathering and loading fork. M. A. Heffner. No. 885,618; Apr. 21; Sp. p. 3996; Dr. p. 835; Gaz. vol. 133; p. 1883.
 Gear. *See* Automobile transmission-gear; Vehicle-gear; Vehicle steering-gear.
 Gear. G. W. Sponable. No. 885,194; Apr. 21; Sp. p. 3144; Dr. p. 660; Gaz. vol. 133; p. 1749.
 Gear, Bevel-. C. J. Reed. No. 890,870; June 16; Sp. p. 3403; Dr. p. 746; Gaz. vol. 134; p. 1662.
 Gear-calculator. H. W. Fellows. No. 889,360; June 2; Sp. p. 331; Dr. pp. 77-8; Gaz. vol. 134; p. 1111.
 Gear-case. P. Fray. No. 895,247; Aug. 4; Sp. p. 950; Dr. p. 201; Gaz. vol. 135; p. 1052.
 Gear-case. B. L. Waters. No. 903,522; Nov. 10; Sp. p. 1975; Gaz. vol. 137; p. 355.
 Gear-case. J. Grady. No. 908,244; Dec. 29; Sp. p. 6246; Gaz. vol. 137; p. 2125.
 Gear casing. Transmission-. A. Tedeschi. No. 886,738; May 5; Sp. p. 826; Dr. p. 170; Gaz. vol. 134; p. 137.
 Gear, Change-speed. H. Dühnhöfer. No. 876,337; Jan. 14; Sp. p. 1295; Dr. p. 280; Gaz. vol. 132; p. 245.
 Gear, Change-speed. P. Hesselius. No. 886,701; May 5; Sp. p. 734; Dr. p. 151; Gaz. vol. 134; p. 124.
 Gear, Change-speed. G. R. Willis. No. 892,107; June 30; Sp. p. 5922; Dr. p. 1277; Gaz. vol. 134; p. 2131.
 Gear, Change-speed. J. Johnston and H. W. Buddicom. No. 894,327; July 28; Sp. p. 4087; Dr. pp. 844-5; Gaz. vol. 135; p. 720.
 Gear, Change-speed and reversing. C. B. King. No. 890,565; June 9; Sp. p. 2744; Dr. p. 607; Gaz. vol. 134; p. 1520.
 Gear, Change-speed driving-. A. T. Collier. No. 896,691; Aug. 18; Sp. p. 3797; Dr. pp. 8, 9-21; Gaz. vol. 135; p. 1563.
 Gear connection. R. Braun. No. 889,101; May 26; Sp. p. 5597; Dr. p. 1185; Gaz. vol. 134; p. 996.
 Gear connection, Resilient. N. W. Storer. No. 894,915; Aug. 4; Sp. p. 252; Dr. p. 55; Gaz. vol. 135; p. 939.
 Gear controlling mechanism, Reversing-. J. W. Raub. No. 887,518; May 12; Sp. p. 2432; Dr. pp. 512-13; Gaz. vol. 134; p. 418.
 Gear-cutting apparatus. J. F. A. Mill. No. 892,442; July 7; Sp. p. 99; Dr. pp. 22-3; Gaz. vol. 135; p. 21.
 Gear-cutting machine. N. A. Christensen. No. 892,810; July 7; Sp. p. 818; Dr. p. 175; Gaz. vol. 135; p. 140.
 Gear-cutting-machine cutter-head. E. J. Lees. No. 905,084; Nov. 24; Sp. p. 5237; Gaz. vol. 137; p. 934.
 Gear-cutting, planing, and milling machines, Attachment for. S. A. Hand. No. 883,952; Apr. 7; Sp. p. 579; Dr. p. 116; Gaz. vol. 133; p. 1284.
 Gear, Differential. P. Steinhauer. No. 876,501; Jan. 14; Sp. p. 1649; Dr. p. 357; Gaz. vol. 132; p. 301.
 Gear, Draft-. H. T. Krakau. No. 907,375; Dec. 22; Sp. p. 4386; Gaz. vol. 137; p. 1806.
 Gear, Driving-. F. T. Gottschalk. No. 895,553; Aug. 11; Sp. p. 1564; Dr. p. 330; Gaz. vol. 135; p. 1176.
 Gear, Fluid-. H. R. Kingman. No. 905,885; Dec. 8; Sp. p. 1525; Gaz. vol. 137; p. 1264.
 Gear for cycles and the like, Gradually-variable speed-. F. H. De Veuille. No. 886,356; May 5; Sp. p. 31; Dr. p. 7; Gaz. vol. 134; p. 8.
 Gear for lifting and transporting cargo and the like goods. S. J. E. Jörgensen. No. 876,559; Jan. 14; Sp. p. 1776; Dr. p. 387; Gaz. vol. 132; p. 322.
 Gear for motor-vehicles, Transmission-. L. H. Dyer. No. 885,986; Apr. 28; Sp. p. 4785; Dr. p. 1006; Gaz. vol. 133; p. 2036.
 Gear for motor-vehicles, Transmission-. R. Huff. No. 891,934; June 30; Sp. p. 5597; Dr. p. 1206; Gaz. vol. 134; p. 2077.
 Gear for motor-vehicles, Transmission-. E. A. Nelson. No. 899,258; Sept. 22; Sp. p. 4011; Dr. p. 856; Gaz. vol. 136; p. 744.
 Gear, Friction-. L. A. Tirrill. No. 877,015; Jan. 21; Sp. p. 2746; Dr. p. 595; Gaz. vol. 132; p. 513.
 Gear, Friction-hoist. E. W. Cokely. No. 903,057; Nov. 3; Sp. p. 1054; Gaz. vol. 137; p. 172.
 Gear, Friction transmission-. G. T. Stamm. No. 876,847; Jan. 14; Sp. p. 2347; Dr. p. 515; Gaz. vol. 132; p. 415.
 Gear-generating machine. E. R. Fellows. No. 879,531; Feb. 18; Sp. p. 3358; Dr. pp. 701-3; Gaz. vol. 132; p. 1457.
 Gear mechanism, Change-speed. J. J. Grant and J. F. Fieg. No. 907,142; Dec. 22; Sp. p. 3915; Gaz. vol. 137; p. 1727.
 Gear mechanism, Change-speed and reversing. L. A. Magout. No. 833,553; Mar. 31; Sp. p. 6148; Dr. p. 1307; Gaz. vol. 133; p. 1126.
 Gear mechanism for vehicles, Change-. G. Enrico. No. 891,800; June 23; Sp. p. 5318; Dr. p. 1151; Gaz. vol. 134; p. 2002.
 Gear, Multiple friction transmission-. W. O. and J. D. Worth. No. 906,844; Dec. 15; Sp. p. 3331; Gaz. vol. 137; p. 1597.
 Gear, Reversing-. F. G. Gies. No. 878,132; Feb. 4; Sp. p. 473; Dr. p. 101; Gaz. vol. 132; p. 926.
 Gear Reversing-. J. W. Raub. No. 837,517; May 12; Sp. p. 2430; Dr. p. 512; Gaz. vol. 134; p. 417.
 Gear, Running-. B. W. Berry. No. 906,998; Dec. 15; Sp. p. 3619; Gaz. vol. 137; p. 1644.
 Gear, Short-turn. R. H. Bowman. No. 897,450; Sept. 1; Sp. p. 431; Dr. pp. 92-3; Gaz. vol. 136; p. 67.
 Gear, Short-turning. T. Sandstrom. No. 833,488; Mar. 31; Sp. p. 6011; Dr. p. 1234; Gaz. vol. 133; p. 1107.
 Gear, Speed-change. G. O. Leopold. No. 909,902; Dec. 15; Sp. p. 3454; Gaz. vol. 137; p. 1615.
 Gear, Speed-changing. C. H. Lee. No. 892,859; July 7; Sp. p. 934; Dr. p. 197; Gaz. vol. 135; p. 156.
 Gear, Speed-changing. W. C. Mayo and J. Houlehan. No. 901,980; Oct. 27; Sp. p. 3997; Dr. pp. 814-16; Gaz. vol. 136; p. 1791.
 Gear, Spiral. B. F. Teal. No. 903,049; Dec. 22; Sp. p. 5816; Gaz. vol. 137; p. 2058.
 Gear, Steering-. U. Nehring. No. 905,912; Dec. 8; Sp. p. 1582; Gaz. vol. 137; p. 1272.
 Gear, Steering-. W. A. Seaman. No. 908,153; Dec. 29; Sp. p. 6027; Gaz. vol. 137; p. 2093.
 Gear-teeth, Cutting straight, helicoidal, and conical. L. Boisard. No. 906,189; Dec. 8; Sp. p. 2112; Gaz. vol. 137; p. 1362.
 Gear, Transmission-. W. S. Hovey. No. 876,355; Jan. 14; Sp. p. 1325; Dr. p. 287; Gaz. vol. 132; p. 252.
 Gear, Transmission-. E. J. Selley. No. 887,276; May 12; Sp. p. 1895; Dr. p. 401; Gaz. vol. 134; p. 336.
 Gear, Transmission-. E. W. Potts. No. 890,589; June 9; Sp. p. 2804; Dr. p. 618; Gaz. vol. 134; p. 1538.
 Gear, Transmission-. F. E. Landberg. No. 892,744; July 7; Sp. p. 698; Dr. p. 147; Gaz. vol. 135; p. 120.
 Gear, Transmission-. J. F. Duryea and W. M. Remington. No. 895,542; Aug. 11; Sp. p. 1540; Dr. p. 326; Gaz. vol. 135; p. 1173.
 Gear, Transmission-. P. Hayward. No. 897,099; Aug. 25; Sp. p. 4691; Dr. p. 1000; Gaz. vol. 135; p. 1723.
 Gear, Transmission-. R. J. Million. No. 900,111; Oct. 6; Sp. p. 81; Dr. p. 17; Gaz. vol. 136; p. 1087.
 Gear, Transmission-. E. M. Sternberg. No. 900,792; Oct. 13; Sp. p. 1534; Dr. p. 312; Gaz. vol. 136; p. 1335.
 Gear, Transmission-. P. Evans. No. 905,677; Dec. 1; Sp. p. 1114; Gaz. vol. 137; p. 1164.
 Gear, Transmission-. P. Evans. No. 905,678; Dec. 1; Sp. p. 1117; Gaz. vol. 137; p. 1165.
 Gear, Transmission-. M. J. Robinson. No. 907,289; Dec. 22; Sp. p. 4232; Gaz. vol. 137; p. 1779.
 Gear-truing machines, Grinding-wheel-trimming mechanism for. F. A. Ward and W. N. Taylor. No. 888,675; May 26; Sp. p. 4724; Dr. p. 1005; Gaz. vol. 134; p. 859.
 Gear, Variable-speed. J. E. Barker. No. 885,710; Apr. 28; Sp. p. 4196; Dr. p. 878; Gaz. vol. 133; p. 1943.
 Gear, Variable-speed. L. W. Wolter. No. 836,911; May 5; Sp. p. 1152; Dr. pp. 242-3; Gaz. vol. 134; p. 189.
 Gear, Variable-speed. R. O. Couch. No. 835,327; Sept. 8; Sp. p. 2196; Dr. p. 466; Gaz. vol. 136; p. 380.
 Gear, Variable-speed driving-. G. E. Stanley. No. 875,962; Jan. 7; Sp. p. 534; Dr. p. 114; Gaz. vol. 132; p. 94.
 Gear, Variable-speed transmission-. H. D. Williams. No. 893,558; July 14; Sp. p. 2381; Dr. pp. 499-500; Gaz. vol. 135; p. 415.

Alphabetical list of inventions—Continued.

- Gear-wheels, &c., Machine for finishing the teeth of cast-metal. G. W. Baker. No. 894,099; July 21; Sp. p. 3584; Dr. p. 738; Gaz. vol. 135; p. 625.
- Gear-wheels, Manufacture of. F. A. Brun. No. 897,872; Sept. 8; Sp. p. 1289; Dr. p. 276; Gaz. vol. 136; p. 236.
- Gear, Yieldable driving-. W. G. Schaeffer. No. 895,501; Aug. 11; Sp. p. 1457; Dr. p. 306; Gaz. vol. 135; p. 1159.
- Gear, Yieldable driving-. W. G. Schaeffer. No. 895,502; Aug. 11; Sp. p. 1458; Dr. p. 306; Gaz. vol. 135; p. 1159.
- Gearing. M. J. Deeley and A. E. Quinlan. No. 875,898; Jan. 7; Sp. p. 417; Dr. p. 93; Gaz. vol. 132; p. 76.
- Gearing. S. S. Rose. No. 876,018; Jan. 7; Sp. p. 646; Dr. p. 138; Gaz. vol. 132; p. 111.
- Gearing. R. de Valbreuze. No. 877,267; Jan. 21; Sp. p. 3269; Dr. p. 707; Gaz. vol. 132; p. 598.
- Gearing. L. Catel. No. 877,293; Jan. 21; Sp. p. 3311; Dr. p. 717; Gaz. vol. 132; p. 606.
- Gearing. J. Stuart. No. 877,678; Jan. 28; Sp. p. 4091; Dr. p. 885; Gaz. vol. 132; p. 752.
- Gearing. T. J. Westerman. No. 877,815; Jan. 28; Sp. p. 4319; Dr. p. 938; Gaz. vol. 132; p. 793.
- Gearing. C. Campo. No. 878,502; Feb. 11; Sp. p. 1305; Dr. pp. 263-4; Gaz. vol. 132; p. 1083.
- Gearing. B. A. King. No. 879,108; Feb. 11; Sp. p. 2508; Dr. p. 521; Gaz. vol. 132; p. 1277.
- Gearing. N. E. Howard. No. 879,549; Feb. 18; Sp. p. 3411; Dr. p. 715; Gaz. vol. 132; p. 1464.
- Gearing. C. A. Shive. No. 880,336; Feb. 25; Sp. p. 5034; Dr. p. 1062; Gaz. vol. 132; p. 1754.
- Gearing. C. Wicksteed. No. 881,273; Mar. 10; Sp. p. 1565; Dr. pp. 335-6; Gaz. vol. 133; p. 293.
- Gearing. A. J. Loguin. No. 885,354; Apr. 21; Sp. p. 3484; Dr. p. 726; Gaz. vol. 133; p. 1803.
- Gearing. J. G. Kelly. No. 888,619; May 26; Sp. p. 4606; Dr. p. 977; Gaz. vol. 134; p. 841.
- Gearing. A. F. Rockwell. No. 889,152; May 26; Sp. p. 5710; Dr. p. 1209; Gaz. vol. 134; p. 1013.
- Gearing. J. Fair. No. 889,514; June 2; Sp. p. 654; Dr. p. 151; Gaz. vol. 134; p. 1161.
- Gearing. J. S. Barnes. No. 889,868; June 2; Sp. p. 1321; Dr. p. 302; Gaz. vol. 134; p. 1275.
- Gearing. C. H. Edgerton. No. 890,225; June 9; Sp. p. 2072; Dr. p. 454; Gaz. vol. 134; p. 1420.
- Gearing. T. J. Winans. No. 892,923; July 7; Sp. p. 1075; Dr. p. 226; Gaz. vol. 135; p. 178.
- Gearing. A. E. Newton. No. 895,103; Aug. 4; Sp. p. 659; Dr. p. 138; Gaz. vol. 135; p. 1003.
- Gearing. A. E. Newton. No. 895,104; Aug. 4; Sp. p. 661; Dr. pp. 138-9; Gaz. vol. 135; p. 1003.
- Gearing. L. Fair. No. 897,968; Sept. 8; Sp. p. 1517; Dr. p. 322; Gaz. vol. 136; p. 268.
- Gearing. J. W. Riffie. No. 898,682; Sept. 15; Sp. p. 2911; Dr. p. 623; Gaz. vol. 136; p. 529.
- Gearing. C. Wiebke. No. 899,277; Sept. 22; Sp. p. 4041; Dr. p. 863; Gaz. vol. 136; p. 750.
- Gearing. W. J. Wilde. No. 900,631; Oct. 6; Sp. p. 1202; Dr. p. 246; Gaz. vol. 136; p. 1257.
- Gearing. T. B. Jeffery. No. 900,857; Oct. 13; Sp. p. 1671; Dr. p. 338; Gaz. vol. 136; p. 1358.
- Gearing. H. C. Clay. No. 901,070; Oct. 13; Sp. p. 2103; Dr. p. 428; Gaz. vol. 136; p. 1427.
- Gearing. J. Dawson. No. 903,546; Nov. 10; Sp. p. 2029; Gaz. vol. 137; p. 363.
- Gearing. A. V. Allen. No. 903,653; Nov. 10; Sp. p. 2241; Gaz. vol. 137; p. 397.
- Gearing. W. Lesemann. No. 903,739; Nov. 10; Sp. p. 2402; Gaz. vol. 137; p. 422.
- Gearing. E. B. Zook. No. 904,744; Nov. 24; Sp. p. 4548; Gaz. vol. 137; p. 821.
- Gearing. J. J. Bowes, Jr. No. 904,931; Nov. 24; Sp. p. 4954; Gaz. vol. 137; p. 883.
- Gearing. A. Liese. No. 907,063; Dec. 15; Sp. p. 3736; Gaz. vol. 137; p. 1665.
- Gearing. J. D. Maxwell. No. 907,616; Dec. 22; Sp. p. 4906; Gaz. vol. 137; p. 1886.
- Gearing, Alternating rotary. F. B. Tyson. No. 876,112; Jan. 7; Sp. p. 837; Dr. p. 179; Gaz. vol. 132; p. 142.
- Gearing and brake mechanism, Transmission-. H. F. Maynes. No. 894,516; July 28; Sp. p. 4463; Dr. p. 925; Gaz. vol. 135; p. 781.
- Gearing, Awning-. E. Rosenberg. No. 905,002; Nov. 24; Sp. p. 5085; Gaz. vol. 137; p. 907.
- Gearing, Belt, rope, or chain-. E. H. Hodgkinson. No. 882,635; Mar. 24; Sp. p. 4265; Dr. p. 904; Gaz. vol. 133; p. 797.
- Gearing, Change-speed. H. Le Blon. No. 881,248; Mar. 10; Sp. p. 1510; Dr. p. 325; Gaz. vol. 133; p. 285.
- Gearing, Change-speed. J. L. Didier. No. 889,769; June 2; Sp. p. 1129; Dr. p. 262; Gaz. vol. 134; p. 1241.
- Gearing, Change-speed. W. E. Goodyear. No. 891,536; June 23; Sp. p. 4767; Dr. p. 1032; Gaz. vol. 134; p. 1912.
- Gearing, Change-speed. H. Kupferschmid. No. 902,090; Oct. 27; Sp. p. 4226; Dr. p. 856; Gaz. vol. 136; p. 1825.
- Gearing, Changeable-speed. W. Scott. No. 894,709; July 28; Sp. p. 4841; Dr. p. 1006; Gaz. vol. 135; p. 845.
- Gearing, Compensating. D. E. Ross. No. 895,202; Aug. 4; Sp. p. 858; Dr. p. 180; Gaz. vol. 135; p. 1037.
- Gearing, Feed-. J. B. Hart. No. 893,999; July 21; Sp. p. 3385; Dr. p. 692; Gaz. vol. 135; p. 591.
- Gearing for hoists, Transmission-. A. J. Thomas. No. 884,777; Apr. 14; Sp. p. 2285; Dr. p. 481; Gaz. vol. 133; p. 1583.
- Gearing for traction-wheels, Yieldable. L. Rhodes. No. 883,741; Apr. 7; Sp. p. 123; Dr. p. 22; Gaz. vol. 133; p. 1213.
- Gearing, Friction-. J. D. Baker. No. 882,861; Mar. 24; Sp. p. 4724; Dr. p. 1004; Gaz. vol. 133; p. 871.
- Gearing, Friction-. J. K. Cochran. No. 888,225; May 19; Sp. p. 3791; Dr. p. 796; Gaz. vol. 134; p. 679.
- Gearing, Machine for cutting toothed. G. Nardin. No. 886,398; May 5; Sp. p. 112; Dr. p. 22; Gaz. vol. 134; p. 24.
- Gearing, Mechanism for operating variable ratio-. S. Bramley-Moore. No. 889,897; June 9; Sp. p. 1394; Dr. p. 316; Gaz. vol. 134; p. 1309.
- Gearing, Oscillatory rotary. H. L. Staley. No. 903,613; Nov. 10; Sp. p. 2172; Gaz. vol. 137; p. 384.
- Gearing, Pawl-and-ratchet. J. R. Johnson. No. 891,077; June 16; Sp. p. 3829; Dr. p. 836; Gaz. vol. 134; p. 1730.
- Gearing, Planetary. A. P. Brush. No. 901,518; Oct. 20; Sp. p. 3056; Dr. pp. 624-5; Gaz. vol. 136; p. 1610.
- Gearing, Power-drum. C. F. Callahan. No. 889,437; June 2; Sp. p. 491; Dr. p. 116; Gaz. vol. 134; p. 1137.
- Gearing, Power-transmission. G. Milner. No. 896,654; Aug. 18; Sp. p. 3708; Dr. p. 798; Gaz. vol. 135; p. 1551.
- Gearing, Power-transmission. G. L. Butlin. No. 901,590; Oct. 20; Sp. p. 3198; Dr. pp. 654-5; Gaz. vol. 136; p. 1634.
- Gearing, Reverse-. H. A. Tuttle. No. 901,664; Oct. 20; Sp. p. 3328; Dr. pp. 683-4; Gaz. vol. 136; p. 1655.
- Gearing, Speed-change. E. J. McClellan. No. 887,010; May 5; Sp. p. 1334; Dr. p. 283; Gaz. vol. 134; p. 221.
- Gearing, Speed-changing and reversing. W. A. Salter. No. 888,750; May 26; Sp. p. 4863; Dr. pp. 1036-7; Gaz. vol. 134; p. 882.
- Gearing system. M. Harvey. No. 903,817; Nov. 10; Sp. p. 2568; Gaz. vol. 137; p. 449.
- Gearing, Transmission-. C. W. Parker. No. 876,083; Jan. 7; Sp. p. 780; Dr. pp. 166-7; Gaz. vol. 132; p. 132.
- Gearing, Transmission-. C. W. Parker. No. 876,084; Jan. 7; Sp. p. 783; Dr. p. 167; Gaz. vol. 132; p. 133.
- Gearing, Transmission-. A. O. Carman. No. 878,609; Feb. 11; Sp. p. 1546; Dr. p. 315; Gaz. vol. 132; p. 1119.
- Gearing, Transmission-. E. B. Cribb. No. 878,611; Feb. 11; Sp. p. 1555; Dr. p. 316; Gaz. vol. 132; p. 1120.
- Gearing, Transmission-. W. C. Mayo and J. Houlehan. No. 896,739; Aug. 25; Sp. p. 3900; Dr. pp. 841-2; Gaz. vol. 135; p. 1601.
- Gearing, Transmission-. W. K. Blackburn. No. 903,952; Nov. 17; Sp. p. 2885; Gaz. vol. 137; p. 526.
- Gearing, Transmission-. J. Schlig. No. 907,181; Dec. 22; Sp. p. 3981; Gaz. vol. 137; p. 1739.
- Gearing, Variable-speed. F. D. Green. No. 877,765; Jan. 28; Sp. p. 4238; Dr. p. 920; Gaz. vol. 132; p. 779.
- Gearing, Variable-speed. B. M. Coffee. No. 879,086; Feb. 11; Sp. p. 2458; Dr. p. 512; Gaz. vol. 132; p. 1270.
- Gearing, Variable-speed. M. Saunders. No. 880,578; Mar. 3; Sp. p. 180; Dr. pp. 39-40; Gaz. vol. 133; p. 33.
- Gearing, Variable-speed. S. T. Lewis. No. 884,172; Apr. 7; Sp. p. 1060; Dr. p. 221; Gaz. vol. 133; p. 1356.
- Gearing, Variable-speed. A. Loitron. No. 901,456; Oct. 20; Sp. p. 2919; Dr. p. 595; Gaz. vol. 136; p. 1589.
- Gearing, Worm-. E. E. Sweet. No. 893,032; July 14; Sp. p. 1317; Dr. pp. 276-7; Gaz. vol. 135; p. 244.
- Gem cutting and polishing apparatus. W. H. Griesch. No. 893,920; July 21; Sp. p. 3214; Dr. p. 662; Gaz. vol. 135; p. 565.
- Gem-holder, Automatic adjustable. P. H. Goodwin. No. 891,161; June 16; Sp. p. 3965; Dr. p. 869; Gaz. vol. 134; p. 1756.
- Gem-setting. R. K. Hohmann. No. 881,689; Mar. 10; Sp. p. 2373; Dr. p. 514; Gaz. vol. 133; p. 426.
- Generator: See Acetylene-generator; Current-generator; Current turbo-generator; Electric generator; Electrotherapeutic generator; Fluid-generator; Fluid-pressure generator; Gas-generator; High-frequency generator; Magneto-electric generator; Oxygen-generator; Power-generator; Self-exciting generator; Steam-generator; Turbo-generator.
- Generator. K. Kishi and M. Nakamura. No. 894,015; July 21; Sp. p. 3412; Dr. p. 698; Gaz. vol. 135; p. 596.
- Generator. E. R. Burroughs. No. 903,665; Nov. 10; Sp. p. 2268; Gaz. vol. 137; p. 400.
- Generator. J. Harleman. No. 903,856; Nov. 17; Sp. p. 2660; Gaz. vol. 137; p. 493.
- Generators provided with auxiliary poles, Control of separately-excited. L. Fleischmann and G. Stern. No. 905,508; Dec. 1; Sp. p. 813; Gaz. vol. 137; p. 1112.
- Germicide, Solar. J. O. Day. No. 882,100; Mar. 17; Sp. p. 3242; Dr. p. 689; Gaz. vol. 133; p. 590.
- Gill-box and gill-drawing frame. W. Holdsworth. No. 890,054; June 9; Sp. p. 1728; Dr. p. 383; Gaz. vol. 134; p. 1363.
- Gin and transport, Combination. H. F. James. No. 892,733; July 7; Sp. p. 670; Dr. p. 142; Gaz. vol. 135; p. 116.
- Gin-cleaning mechanism, Saw-. J. G. Dickson. No. 897,883; Sept. 8; Sp. p. 1307; Dr. p. 280; Gaz. vol. 136; p. 239.
- Gin driving mechanism, Cotton-. F. Phelps. No. 890,092; June 9; Sp. p. 1791; Dr. p. 396; Gaz. vol. 134; p. 1376.
- Gin-feeder, Pneumatic. R. L. Hollingsworth. No. 879,771; Feb. 18; Sp. p. 3859; Dr. p. 808; Gaz. vol. 132; p. 1535.
- Gin-saw-filing machine. F. M. Sisk. No. 884,770; Apr. 14; Sp. p. 2272; Dr. p. 478; Gaz. vol. 133; p. 1581.
- Gins and cotton-seed linters, Saw-cylinder for cotton-. H. W. Ligon. No. 902,747; Nov. 3; Sp. p. 422; Gaz. vol. 137; p. 73.
- Girder-frame for reinforced-concrete girders, Steel. E. N. and R. E. Spaulding. No. 887,863; May 19; Sp. p. 3114; Dr. p. 653; Gaz. vol. 134; p. 562.
- Girder, Reinforced. E. A. Moccetti. No. 893,640; July 21; Sp. p. 2572; Dr. p. 536; Gaz. vol. 135; p. 472.
- Gland-lock and swab. G. Christenson. No. 891,910; June 30; Sp. p. 5555; Dr. p. 1197; Gaz. vol. 134; p. 2069.
- Gland or swab holder. W. Slaydon. No. 876,601; Jan. 14; Sp. p. 1882; Dr. p. 411; Gaz. vol. 132; p. 337.

Alphabetical list of inventions—Continued.

- Glass. See Field-glass; Magnifying-glass; Time-glass; Tourist's glass.
 Glass, Apparatus for and method of manufacturing wire-. J. R. Speer and J. R. Taylor. No. 906,952; Dec. 15; Sp. p. 3547; Gaz. vol. 137; p. 1631.
 Glass, Apparatus for cleaning large panes of. F. E. L. Harris. No. 880,660; Mar. 3; Sp. p. 343; Dr. p. 75; Gaz. vol. 133; p. 60.
 Glass, Apparatus for manufacturing wire-. J. George and C. M. Shortle. No. 892,044; June 30; Sp. p. 5815; Dr. p. 1251; Gaz. vol. 134; p. 2111.
 Glass, Apparatus for the manufacture of plate-. E. Gobbe. No. 887,623; May 12; Sp. p. 2614; Dr. p. 551; Gaz. vol. 134; p. 451.
 Glass, Apparatus for the manufacturing of sheets of. F. L. O. Wadsworth. No. 907,656; Dec. 22; Sp. p. 4991; Gaz. vol. 137; p. 1899.
 Glass articles, Apparatus for drawing hollow. J. H. Lubbers. No. 886,618; May 5; Sp. p. 545; Dr. p. 115; Gaz. vol. 134; p. 96.
 Glass articles, Apparatus for manufacturing. C. Kuhlewind. No. 900,940; Oct. 13; Sp. p. 1855; Dr. pp. 377-9; Gaz. vol. 136; p. 1384.
 Glass articles, Device for manipulating. F. G. Farnham. No. 881,913; Mar. 17; Sp. p. 2856; Dr. pp. 609-10; Gaz. vol. 133; p. 528.
 Glass articles, Device for manipulating. F. G. Farnham. No. 881,914; Mar. 17; Sp. p. 2859; Dr. p. 610; Gaz. vol. 133; p. 529.
 Glass articles, Device for manipulating cut-. F. G. Farnham. No. 903,071; Nov. 3; Sp. p. 1082; Gaz. vol. 137; p. 176.
 Glass articles, Device for manipulating cut-. F. G. Farnham. No. 903,072; Nov. 3; Sp. p. 1084; Gaz. vol. 137; p. 177.
 Glass articles, such as bottles, Apparatus for manufacturing hollow. H. Severin. No. 901,199; Oct. 13; Sp. p. 2332; Dr. p. 478; Gaz. vol. 136; p. 1467.
 Glass-beveling machine. T. J. Corcoran. No. 892,226; June 30; Sp. p. 6165; Dr. p. 1328; Gaz. vol. 134; p. 2172.
 Glass-blower's clamp. D. M. Moore. No. 877,105; Jan. 21; Sp. p. 2919; Dr. pp. 631-2; Gaz. vol. 132; p. 542.
 Glass-blowing apparatus, Valve mechanism for. C. M. Clarke. No. 900,914; Oct. 13; Sp. p. 1798; Dr. p. 364; Gaz. vol. 136; p. 1376.
 Glass-blowing machine. W. S. Teeple. No. 894,082; July 21; Sp. p. 3554; Dr. p. 729; Gaz. vol. 135; p. 619.
 Glass-blown dose-measuring bottles, Device for bending the necks of. A. W. Hutchins. No. 891,259; June 23; Sp. p. 4197; Dr. p. 918; Gaz. vol. 134; p. 1821.
 Glass bottles and other vessels, Machine for the manufacture of. F. H. Pierpont. No. 900,037; Sept. 29; Sp. p. 5599; Dr. p. 1195; Gaz. vol. 136; p. 1033.
 Glass box or case. F. L. O. Wadsworth. No. 891,021; June 16; Sp. p. 3732; Dr. p. 814; Gaz. vol. 134; p. 1713.
 Glass brick, tile, and building-block. P. E. Gonon. No. 893,045; Sept. 8; Sp. p. 1669; Dr. p. 354; Gaz. vol. 136; p. 292.
 Glass case, Tourist's. J. M. Faehrmann. No. 905,063; Nov. 24; Sp. p. 5193; Gaz. vol. 137; p. 927.
 Glass, Crate for sheet-. H. O. Hemmick. No. 904,694; Nov. 24; Sp. p. 4441; Gaz. vol. 137; p. 805.
 Glass-cutter. F. W. Roller. No. 896,159; Aug. 18; Sp. p. 2731; Dr. p. 589; Gaz. vol. 135; p. 1391.
 Glass cylinders, Take-down apparatus for. F. L. O. Wadsworth. No. 890,316; June 9; Sp. p. 2282; Dr. pp. 503-4; Gaz. vol. 134; p. 1450.
 Glass cylinders, Take-down apparatus for. F. L. O. Wadsworth. No. 890,317; June 9; Sp. p. 2286; Dr. p. 504; Gaz. vol. 134; p. 1450.
 Glass cylinders, Taking-down apparatus for. L. R. Schmetz. No. 890,306; June 9; Sp. p. 2262; Dr. pp. 498-9; Gaz. vol. 134; p. 1446.
 Glass, Drawing. R. S. Pease. No. 890,869; June 16; Sp. p. 3402; Dr. p. 746; Gaz. vol. 134; p. 1662.
 Glass-drawing method and apparatus. F. L. O. Wadsworth. No. 889,832; June 2; Sp. p. 1248; Dr. p. 288; Gaz. vol. 134; p. 1262.
 Glass-fastener. E. T. Sincock. No. 893,392; July 14; Sp. p. 2005; Dr. p. 420; Gaz. vol. 135; p. 361.
 Glass-feeding apparatus for tanks, pots, and similar receptacles. G. E. Cleveland. No. 901,881; Oct. 20; Sp. p. 3784; Dr. p. 769; Gaz. vol. 136; p. 1727.
 Glass fire-polishing process and apparatus. S. O. Richardson, Jr. No. 899,473; Sept. 22; Sp. p. 4379; Dr. p. 939; Gaz. vol. 136; p. 811.
 Glass for making glass insulators or similar articles, Feeding molten. H. M. Brookfield. No. 889,354; June 2; Sp. p. 315; Dr. p. 75; Gaz. vol. 134; p. 1109.
 Glass-furnace. R. H. Miller. No. 892,379; June 30; Sp. p. 6453; Dr. p. 1391; Gaz. vol. 134; p. 2221.
 Glass-furnace and appurtenances thereof. H. M. Brookfield. No. 883,779; Apr. 7; Sp. p. 192; Dr. pp. 35-6; Gaz. vol. 133; p. 1224.
 Glass-furnaces, Apparatus for drawing off small quantities of molten glass from. H. Severin. No. 892,013; June 30; Sp. p. 5759; Dr. p. 1238; Gaz. vol. 134; p. 2102.
 Glass-gatherer, Mechanical. W. Newby. No. 879,889; Feb. 25; Sp. p. 4130; Dr. p. 866; Gaz. vol. 132; p. 1607.
 Glass-gathering apparatus. J. H. Croskey. No. 881,096; Mar. 3; Sp. p. 1203; Dr. pp. 259-61; Gaz. vol. 133; p. 205.
 Glass-gathering machine. R. D. Brown. No. 904,402; Nov. 17; Sp. p. 3815; Gaz. vol. 137; p. 680.
 Glass grinding and polishing apparatus. F. L. O. Wadsworth. No. 891,197; June 16; Sp. p. 4055; Dr. pp. 888-9; Gaz. vol. 134; p. 1768.
 Glass grinding machinery. C. L. Goehring and W. Troche. No. 893,795; July 21; Sp. p. 2953; Dr. pp. 603-6; Gaz. vol. 135; p. 524.
 Glass-holder. J. W. Bricker. No. 899,290; Sept. 22; Sp. p. 4059; Dr. p. 867; Gaz. vol. 136; p. 753.
 Glass-holding receptacle, Molten-. A. J. Bates. No. 896,511; Aug. 18; Sp. p. 3457; Dr. p. 743; Gaz. vol. 135; p. 1508.
 Glass lamp-shades, Method and means for making. C. C. Sibley. No. 876,102; Jan. 7; Sp. p. 812; Dr. p. 175; Gaz. vol. 132; p. 138.
 Glass-leers, Door arrangement for. A. H. Heisey. No. 891,693; June 23; Sp. p. 5109; Dr. p. 1102; Gaz. vol. 134; p. 1965.
 Glass machine and process. E. L. Heintz. No. 908,259; Dec. 29; Sp. p. 6272; Gaz. vol. 137; p. 2130.
 Glass machine, Continuous-draw vacuum window-. H. D. Hershey. No. 901,170; Oct. 13; Sp. p. 2280; Dr. pp. 465-6; Gaz. vol. 136; p. 1458.
 Glass, Machine for the manufacture of wire-. F. Shuman. No. 876,307; Jan. 7; Sp. p. 1230; Dr. p. 268; Gaz. vol. 132; p. 206.
 Glass-making apparatus. J. Campbell. No. 902,207; Oct. 27; Sp. p. 4464; Dr. p. 903; Gaz. vol. 136; p. 1862.
 Glass-making machine, Wire-. J. George and C. M. Shortle. No. 891,924; June 30; Sp. p. 5579; Dr. p. 1202; Gaz. vol. 134; p. 2074.
 Glass, Making plate or sheet. T. Spillane. No. 904,158; Nov. 17; Sp. p. 3308; Gaz. vol. 137; p. 597.
 Glass, Making sheet-. M. J. Owens. No. 877,729; Jan. 28; Sp. p. 4174; Dr. p. 904; Gaz. vol. 132; p. 767.
 Glass, Making wire-. A. J. Baldwin. No. 880,772; Mar. 3; Sp. p. 576; Dr. p. 122; Gaz. vol. 133; p. 99.
 Glass, Manufacture of wire-. F. Shuman. No. 875,857; Jan. 7; Sp. p. 332; Dr. p. 74; Gaz. vol. 132; p. 61.
 Glass, Manufacture of wire-. C. Apple and W. Butcher. No. 902,849; Nov. 3; Sp. p. 643; Gaz. vol. 137; p. 107.
 Glass-manufacturing apparatus, Wire-. A. Gessner. No. 881,791; Mar. 10; Sp. p. 2571; Dr. p. 552; Gaz. vol. 133; p. 459.
 Glass, marble, and the like, Machine for grinding and polishing the edges of plates of. V. Kimon. No. 882,115; Mar. 17; Sp. p. 3266; Dr. p. 695; Gaz. vol. 133; p. 504.
 Glass, Method and means of hermetically sealing a conductor in. C. O. Bastian and G. Calvert. No. 908,378; Dec. 29; Sp. p. 6529; Gaz. vol. 137; p. 2171.
 Glass, Method of and apparatus for drawing sheets of. H. J. Walter. No. 885,896; Apr. 28; Sp. p. 4573; Dr. p. 959; Gaz. vol. 133; p. 2005.
 Glass-mold. W. Millstein. No. 886,146; Apr. 28; Sp. p. 5106; Dr. p. 1072; Gaz. vol. 133; p. 2087.
 Glass-mold. B. C. Gilligan. No. 892,589; July 7; Sp. p. 373; Dr. p. 82; Gaz. vol. 135; p. 69.
 Glass-molding apparatus, Automatic. F. J. Mackin. No. 904,975; Nov. 24; Sp. p. 5032; Gaz. vol. 137; p. 898.
 Glass-molding machine. H. A. Schnelbach. No. 892,089; June 30; Sp. p. 5887; Dr. p. 1267; Gaz. vol. 134; p. 2125.
 Glass-molding machine. F. J. Houk. No. 893,500; July 14; Sp. p. 2262; Dr. pp. 474-5; Gaz. vol. 135; p. 397.
 Glass or like surfaces, Mirroring. C. H. von Hoessle. No. 906,229; Dec. 8; Sp. p. 2196; Gaz. vol. 137; p. 1375.
 Glass or stone, Glazing. G. B. Norgrave. No. 887,507; May 12; Sp. p. 2411; Dr. p. 508; Gaz. vol. 134; p. 414.
 Glass, Ornamenting. J. M. Conroy. (Reissue). No. 12,789; May 5; Sp. p. 1414; Dr. p. 300; Gaz. vol. 134; p. 235.
 Glass plates, Device for connecting. D. J. Murnane. No. 877,107; Jan. 21; Sp. p. 2923; Dr. pp. 632-3; Gaz. vol. 132; p. 543.
 Glass plates in show-cases and store-fronts, Means for fastening. R. F. Robinson and J. H. Gritner. No. 890,799; June 16; Sp. p. 3277; Dr. p. 718; Gaz. vol. 134; p. 1641.
 Glass polishing and grinding apparatus. F. L. O. Wadsworth. No. 891,198; June 16; Sp. p. 4058; Dr. p. 889; Gaz. vol. 134; p. 1768.
 Glass pot or tank, Individual. J. I. Arbogast. No. 905,489; Dec. 1; Sp. p. 764; Gaz. vol. 137; p. 1106.
 Glass pressing and blowing machine. A. W. Beeson. No. 877,981; Feb. 4; Sp. p. 166; Dr. pp. 37-8; Gaz. vol. 132; p. 877.
 Glass, Process and apparatus for the continuous production of sheet-. I. W. Colburn and E. Washburn. No. 876,267; Jan. 7; Sp. p. 1125; Dr. pp. 244-6; Gaz. vol. 132; p. 191.
 Glass, Producing. E. Morenus. No. 883,039; Mar. 24; Sp. p. 5061; Dr. pp. 1078-9; Gaz. vol. 133; p. 928.
 Glass-producing system. L. Mambourg and U. Houze. No. 894,026; July 21; Sp. p. 3450; Dr. pp. 705-6; Gaz. vol. 135; p. 600.
 Glass receptacle. W. C. Schulze. No. 901,388; Oct. 20; Sp. p. 2761; Dr. p. 562; Gaz. vol. 136; p. 1567.
 Glass-rolling apparatus, Wire-. A. Meyer. No. 876,653; Jan. 14; Sp. p. 2004; Dr. pp. 436-7; Gaz. vol. 132; p. 355.
 Glass, Shaping. H. L. Dixon and G. A. Marsh. No. 896,631; Aug. 18; Sp. p. 3670; Dr. p. 788; Gaz. vol. 135; p. 1545.
 Glass sheets, Apparatus for forming. D. J. Murnane. No. 901,725; Oct. 20; Sp. p. 3502; Dr. p. 708; Gaz. vol. 136; p. 1678.
 Glass sheets, Implement for cutting shaped sections from. C. F. Chapman. No. 881,899; Mar. 17; Sp. p. 2829; Dr. p. 604; Gaz. vol. 133; p. 524.
 Glass sheets or plates, Apparatus for the manufacture of. E. Fourcault. No. 901,800; Oct. 20; Sp. p. 3647; Dr. pp. 738-9; Gaz. vol. 136; p. 1702.
 Glass shield, Water-. I. R. Cookston. No. 907,465; Dec. 22; Sp. p. 4581; Gaz. vol. 137; p. 1838.
 Glass sign. P. Pause. No. 897,135; Aug. 25; Sp. p. 4702; Dr. p. 1014; Gaz. vol. 135; p. 1736.
 Glass-smoothing compound, Plate-. F. H. Findon, Jr. No. 876,447; Jan. 14; Sp. p. 1535; Gaz. vol. 132; p. 283.
 Glass structure, Wire-. F. and A. Shuman. No. 905,469; Dec. 1; Sp. p. 723; Gaz. vol. 137; p. 1100.
 Glass, Table for casting. L. Rembaux. No. 879,491; Feb. 18; Sp. p. 3282; Dr. p. 686; Gaz. vol. 132; p. 1444.
 Glass-tank. C. W. Schwenzeier. No. 908,151; Dec. 29; Sp. p. 6024; Gaz. vol. 137; p. 2092.
 Glass-tank furnace. J. Schies and M. Wyant. No. 895,206; Aug. 4; Sp. p. 869; Dr. p. 182; Gaz. vol. 135; p. 1039.

Alphabetical list of inventions—Continued.

- Glass tile. S. Zacharias. No. 897,809; Sept. 1; Sp. p. 1157; Dr. p. 246; Gaz. vol. 136; p. 183.
- Glass tiles, Method of and apparatus for forming. W. T. Nicholls. No. 894,040; July 21; Sp. p. 3478; Dr. pp. 712-13; Gaz. vol. 135; p. 605.
- Glass tops for salt-shakers, &c., Manufacture of. P. Ebeling. No. 902,865; Nov. 3; Sp. p. 672; Gaz. vol. 137; p. 113.
- Glass-tube cutter. C. Dorn. No. 887,604; May 12; Sp. p. 2580; Dr. p. 544; Gaz. vol. 134; p. 445.
- Glass tubes, Machine for heating. J. T. Fagan. No. 882,190; Mar. 17; Sp. p. 3417; Dr. p. 726; Gaz. vol. 133; p. 618.
- Glass tumblers, Grinding. F. Woodruff. No. 905,486; Dec. 1; Sp. p. 757; Gaz. vol. 137; p. 1105.
- Glass vessels, Apparatus for removing glaze from. J. A. Hicks. No. 879,167; Feb. 18; Sp. p. 2636; Dr. p. 550; Gaz. vol. 132; p. 1340.
- Glass-washing machine. S. Evans. No. 893,063; July 14; Sp. p. 1375; Dr. pp. 290-1; Gaz. vol. 135; p. 254.
- Glass, Wire-. A. Shuman. No. 889,978; June 9; Sp. p. 1558; Dr. p. 351; Gaz. vol. 134; p. 1337.
- Glasses, Detachable handle for. R. R. Kintz. No. 902,236; Oct. 27; Sp. p. 4527; Dr. p. 917; Gaz. vol. 136; p. 1871.
- Glasses in place, Suction device for securing. J. J. Tanzey. No. 886,273; Apr. 28; Sp. p. 5328; Dr. p. 1121; Gaz. vol. 133; p. 2130.
- Glassware, Apparatus for fire-finishing. R. Haley. No. 877,923; Feb. 4; Sp. p. 59; Dr. pp. 11-12; Gaz. vol. 132; p. 859.
- Glassware, Apparatus for fire finishing and polishing. I. H. Freese, J. W. Romigh, and H. A. Carothers. No. 884,478; Apr. 14; Sp. p. 1635; Dr. pp. 351-2; Gaz. vol. 133; p. 1483.
- Glassware, Apparatus for the manufacture of hollow. C. F. Cox. No. 880,482; Feb. 25; Sp. p. 5355; Dr. pp. 1128-9; Gaz. vol. 132; p. 1805.
- Glassware-finishing, Automatic snap for. J. E. Crawford. No. 886,351; May 5; Sp. p. 23; Dr. p. 5; Gaz. vol. 134; p. 7.
- Glassware, Manufacturing. F. L. Arbogast. No. 905,044; Nov. 24; Sp. p. 5165; Gaz. vol. 137; p. 921.
- Glassware, Mechanism for producing hollow. C. J. Koenig. No. 877,091; Jan. 21; Sp. p. 2881; Dr. pp. 623-6; Gaz. vol. 132; p. 638.
- Glassware, Method and apparatus for making. W. E. Holmes. No. 900,281; Oct. 6; Sp. p. 449; Dr. pp. 91-3; Gaz. vol. 136; p. 1142.
- Glaze for the interior of vats and the like. W. Herms. No. 880,141; Feb. 25; Sp. p. 4646; Gaz. vol. 132; p. 1689.
- Glazing-strip. W. F. Tenney. No. 889,412; June 2; Sp. p. 444; Dr. p. 105; Gaz. vol. 134; p. 1129.
- Gleaner. S. T. Crawford, Sr. No. 908,208; Dec. 29; Sp. p. 6173; Gaz. vol. 137; p. 2113.
- Globe. W. Dubois. No. 885,690; Apr. 21; Sp. p. 4145; Dr. p. 868; Gaz. vol. 133; p. 1907.
- Globe, Geographical. L. R. Phillips. No. 887,740; May 12; Sp. p. 2833; Dr. p. 600; Gaz. vol. 134; p. 492.
- Globe, Geographical. H. Harger. No. 895,263; Aug. 4; Sp. p. 989; Dr. pp. 206-7; Gaz. vol. 135; p. 1057.
- Globe-holder. A. W. Kerber. No. 887,650; May 12; Sp. p. 2676; Dr. p. 565; Gaz. vol. 134; p. 460.
- Globe-manipulator. J. Gaynor. No. 895,625; Aug. 11; Sp. p. 1700; Dr. p. 361; Gaz. vol. 135; p. 1199.
- Globe-operating mechanism, Geographical-. J. L. Hughes and T. F. Ely. No. 895,020; Aug. 4; Sp. p. 504; Dr. p. 101; Gaz. vol. 135; p. 976.
- Globe-support. W. and H. Anderson. No. 905,128; Dec. 1; Sp. p. 2; Gaz. vol. 137; p. 985.
- Globe-suspending device. T. H. Costello. No. 902,211; Oct. 27; Sp. p. 4470; Dr. p. 904; Gaz. vol. 136; p. 1864.
- Glove. A. Newman. No. 883,334; Mar. 31; Sp. p. 5663; Dr. p. 1209; Gaz. vol. 133; p. 1055.
- Glove. J. W. and R. F. Taylor. No. 883,761; Apr. 7; Sp. p. 163; Dr. p. 29; Gaz. vol. 133; p. 1219.
- Glove. G. N. Gitt. No. 888,009; May 19; Sp. p. 3397; Dr. p. 714; Gaz. vol. 134; p. 610.
- Glove. J. Rosenfeld. No. 897,306; Sept. 1; Sp. p. 68; Dr. p. 17; Gaz. vol. 136; p. 15.
- Glove. J. Rosenfeld. No. 897,409; Sept. 1; Sp. p. 352; Dr. p. 74; Gaz. vol. 136; p. 54.
- Glove. J. J. Kennedy. No. 903,578; Nov. 10; Sp. p. 2093; Gaz. vol. 137; p. 373.
- Glove. R. Raymond. No. 905,365; Dec. 1; Sp. p. 473; Gaz. vol. 137; p. 1063.
- Glove. C. Bernard. No. 906,856; Dec. 15; Sp. p. 3363; Gaz. vol. 137; p. 1600.
- Glove, Base-ball. J. Gamble. No. 881,315; Mar. 10; Sp. p. 1647; Dr. p. 353; Gaz. vol. 133; p. 307.
- Glove, Cotton-picking. J. A. Layton. No. 885,767; Apr. 28; Sp. p. 4322; Dr. p. 906; Gaz. vol. 133; p. 1962.
- Glove, Husking-. W. H. Chasey. No. 895,963; Aug. 11; Sp. p. 2381; Dr. p. 509; Gaz. vol. 135; p. 1308.
- Glove-protector. H. V. A. Hall and A. G. Hostachy. No. 888,800; May 26; Sp. p. 4984; Dr. pp. 1063-4; Gaz. vol. 134; p. 899.
- Glove-tipping machine. A. M. Banker and F. Curtin. No. 876,129; Jan. 7; Sp. p. 869; Dr. p. 187; Gaz. vol. 132; p. 147.
- Glove-tree. W. J. Fenohr. No. 907,137; Dec. 22; Sp. p. 3907; Gaz. vol. 137; p. 1726.
- Glove-turner. S. A. Robinson. No. 881,155; Mar. 10; Sp. p. 1326; Dr. p. 286; Gaz. vol. 133; p. 256.
- Gloves, Apparatus for facilitating the putting on of india-rubber. C. A. Hoefftke. No. 882,312; Mar. 17; Sp. p. 3652; Dr. p. 775; Gaz. vol. 133; p. 658.
- Glue-applying machine. J. A. Butler, C. Reynolds, and A. J. Seaman. No. 883,082; Mar. 24; Sp. p. 5142; Dr. pp. 1097-8; Gaz. vol. 133; p. 942.
- Glue, Manufacture of. I. Kitsee. No. 883,722; Apr. 7; Sp. p. 89; Dr. p. 14; Gaz. vol. 133; p. 1207.
- Glue-testing process and apparatus. C. M. Zimmerman. No. 896,191; Aug. 18; Sp. p. 2794; Dr. p. 602; Gaz. vol. 135; p. 1402.
- Gluing-clamp. E. Barker. No. 878,491; Feb. 11; Sp. p. 1230; Dr. pp. 254-5; Gaz. vol. 132; p. 1079.
- Gluing-clamp. E. Barker. No. 881,530; Mar. 10; Sp. p. 2063; Dr. p. 451; Gaz. vol. 133; p. 375.
- Gluing-frame. A. Hettel. No. 900,167; Oct. 6; Sp. p. 201; Dr. p. 41; Gaz. vol. 136; p. 1105.
- Gluing-machine. J. F. Zapf. No. 905,269; Dec. 1; Sp. p. 286; Gaz. vol. 137; p. 1033.
- Glutinous material, Tank for treating. A. C. Rice. No. 903,775; Nov. 10; Sp. p. 2476; Gaz. vol. 137; p. 434.
- Glycin derivatives, Producing. G. Imbert. No. 894,149; July 21; Sp. p. 3685; Gaz. vol. 135; p. 641.
- Go-cart. O. Kurz. No. 882,895; Mar. 24; Sp. p. 4784; Dr. p. 1018; Gaz. vol. 133; p. 880.
- Go-cart. A. W. Mueller. No. 893,007; July 14; Sp. p. 1268; Dr. pp. 267-8; Gaz. vol. 135; p. 236.
- Go-cart, Collapsible. T. J. Fay and W. E. Hopkins. No. 906,621; Dec. 15; Sp. p. 2910; Gaz. vol. 137; p. 1526.
- Go-cart, Folding. M. B. Rizzo. No. 879,907; Feb. 25; Sp. p. 4192; Dr. p. 875; Gaz. vol. 132; p. 1614.
- Go-cart, Folding. C. S. Gross. No. 880,211; Feb. 25; Sp. p. 4791; Dr. p. 1015; Gaz. vol. 132; p. 1713.
- Go-cart, Folding. C. H. Smith. No. 887,858; May 19; Sp. p. 3102; Dr. p. 650; Gaz. vol. 134; p. 560.
- Go-cart, Folding. M. R. Lloyd. No. 898,235; Sept. 8; Sp. p. 2243; Dr. p. 434; Gaz. vol. 136; p. 352.
- Go-cart, Folding. R. G. Ledig. No. 904,542; Nov. 24; Sp. p. 4132; Gaz. vol. 137; p. 753.
- Go-cart runner. J. B. Simmons. No. 895,310; Aug. 4; Sp. p. 1090; Dr. p. 228; Gaz. vol. 135; p. 1073.
- Goggles. C. F. Dieckmann. No. 879,749; Feb. 18; Sp. p. 3823; Dr. p. 801; Gaz. vol. 132; p. 1529.
- Goggles. F. M. Slevin. No. 901,394; Oct. 20; Sp. p. 2778; Dr. p. 565; Gaz. vol. 136; p. 1569.
- Goggles, Automobile-. P. C. M. Montbarbon. No. 894,972; Aug. 4; Sp. p. 400; Dr. p. 80; Gaz. vol. 135; p. 958.
- Goggles for horses. M. M. Boggs. No. 888,687; May 26; Sp. p. 4750; Dr. p. 1010; Gaz. vol. 134; p. 862.
- Gold-concentrating apparatus. E. R. Cook. No. 880,631; Mar. 3; Sp. p. 286; Dr. pp. 61-2; Gaz. vol. 133; p. 50.
- Gold-filings, &c., Device for catching. E. P. Wright. No. 890,005; June 9; Sp. p. 1617; Dr. p. 361; Gaz. vol. 134; p. 1343.
- Gold-filtering machine. T. Thordson. No. 895,588; Aug. 11; Sp. p. 1648; Dr. p. 347; Gaz. vol. 135; p. 1191.
- Gold-filtering machine. T. Thordson. No. 895,599; Aug. 11; Sp. p. 1649; Dr. p. 347; Gaz. vol. 135; p. 1191.
- Gold from crushed ores, Apparatus for the extraction of. T. E. Beaumont. No. 905,048; Nov. 24; Sp. p. 5172; Gaz. vol. 137; p. 923.
- Gold-leaf and the like, Apparatus for applying ribbon. G. Bräunlein. No. 878,154; Feb. 4; Sp. p. 610; Dr. p. 125; Gaz. vol. 132; p. 945.
- Gold-saving apparatus. L. Sachse. No. 889,813; June 2; Sp. p. 1210; Dr. p. 279; Gaz. vol. 134; p. 1256.
- Gold-saving apparatus. R. G. Steele. No. 899,271; Sept. 22; Sp. p. 4032; Dr. p. 861; Gaz. vol. 136; p. 747.
- Gold-saving machine. T. Hussey. No. 890,059; June 9; Sp. p. 1738; Dr. p. 385; Gaz. vol. 134; p. 1365.
- Gold-separating apparatus. J. A. Creasy. No. 883,361; Apr. 7; Sp. p. 383; Dr. pp. 74-5; Gaz. vol. 133; p. 1252.
- Gold separator and amalgamator. C. H. Hall and J. Eldridge. No. 894,632; July 28; Sp. p. 4698; Dr. p. 976; Gaz. vol. 135; p. 819.
- Gold, silver, copper, and platinum from lead alloys, Removing. W. Morrison. No. 890,160; June 9; Sp. p. 1937; Gaz. vol. 134; p. 1399.
- Gold-washing screen. W. H. Roughsedge. No. 883,974; Apr. 7; Sp. p. 619; Dr. p. 123-4; Gaz. vol. 133; p. 1290.
- Golf, Appliance for practicing. C. M. Treadwell. No. 898,530; Sept. 15; Sp. p. 2604; Dr. p. 556; Gaz. vol. 136; p. 480.
- Golf-bag. S. A. Marker. No. 877,352; Jan. 21; Sp. p. 3423; Dr. pp. 742-3; Gaz. vol. 132; p. 624.
- Golf-ball. W. Taylor. No. 878,254; Feb. 4; Sp. p. 743; Dr. p. 150; Gaz. vol. 132; p. 968.
- Golf-ball. C. L. Reade. No. 879,981; Feb. 25; Sp. p. 4328; Dr. p. 906; Gaz. vol. 132; p. 1638.
- Golf-ball. E. W. Thurlow. No. 890,342; Feb. 25; Sp. p. 5046; Dr. p. 1066; Gaz. vol. 132; p. 1756.
- Golf-ball. F. H. Mingay. No. 889,709; June 2; Sp. p. 1023; Dr. p. 236; Gaz. vol. 134; p. 1223.
- Golf-ball. H. C. Lee. No. 895,476; Aug. 11; Sp. p. 1413; Dr. p. 297; Gaz. vol. 135; p. 1151.
- Golf-club. H. Beale. No. 890,836; June 16; Sp. p. 3341; Dr. p. 732; Gaz. vol. 134; p. 1652.
- Golf-club. F. W. Brewster. No. 894,909; Aug. 4; Sp. p. 7; Dr. p. 2; Gaz. vol. 135; p. 902.
- Golf or similar games, Device for use in playing. N. O'Shaughnessy. No. 889,397; June 2; Sp. p. 416; Dr. p. 98; Gaz. vol. 134; p. 1124.
- Golf-practice apparatus. A. R. Sprague. No. 883,058; Mar. 24; Sp. p. 5092; Dr. p. 1087; Gaz. vol. 133; p. 935.
- Gonorrhea, Instrument for treating. J. A. Gault. No. 888,397; May 19; Sp. p. 4118; Dr. p. 869; Gaz. vol. 134; p. 733.
- Gopher-trap. A. F. Renken. No. 898,262; Sept. 8; Sp. p. 2382; Dr. p. 443; Gaz. vol. 136; p. 360.
- Gopher-trap. A. Herrmann and I. N. Golloday. No. 889,595; Sept. 29; Sp. p. 4600; Dr. p. 998; Gaz. vol. 136; p. 889.
- Governing device, Automatic. G. M. Spencer. No. 878,571; Feb. 11; Sp. p. 1449; Dr. p. 295; Gaz. vol. 132; p. 1106.
- Governing-gear for internal-combustion engines. W. J. Crossley and J. Atkinson. No. 876,439; Jan. 14; Sp. p. 1517; Dr. p. 326; Gaz. vol. 132; p. 280.

Alphabetical list of inventions—Continued.

- Governing mechanism. W. L. R. Emmet and O. Junggren. No. 902,220; Oct. 27; Sp. p. 4496; Dr. p. 910; Gaz. vol. 136; p. 1866.
- Governing mechanism, Automatic. F. H. Brown. No. 883,284; Mar. 31; Sp. p. 5574; Dr. p. 1189; Gaz. vol. 133; p. 1040.
- Governing mechanism for oil or gas engines. S. A. Moss. No. 891,360; June 23; Sp. p. 4411; Dr. p. 960; Gaz. vol. 134; p. 1855.
- Governor. W. H. Glocker and W. M. White. No. 878,377; Feb. 4; Sp. p. 975; Dr. p. 196; Gaz. vol. 132; p. 1008.
- Governor. A. Dickerson. No. 887,778; May 19; Sp. p. 2939; Dr. p. 618; Gaz. vol. 134; p. 533.
- Governor. F. W. Salmon. No. 887,853; May 19; Sp. p. 3093; Dr. p. 649; Gaz. vol. 134; p. 558.
- Governor. L. L. Gaghagen. No. 890,133; June 9; Sp. p. 1876; Dr. p. 415; Gaz. vol. 134; p. 1389.
- Governor. A. C. Allan. No. 890,748; June 16; Sp. p. 3170; Dr. p. 694; Gaz. vol. 134; p. 1623.
- Governor. F. M. Rites. No. 895,684; Aug. 11; Sp. p. 1814; Dr. p. 386; Gaz. vol. 135; p. 1218.
- Governor. R. Siegmund. No. 899,569; Sept. 29; Sp. p. 4597; Dr. pp. 987-8; Gaz. vol. 136; p. 880.
- Governor. W. O. Thomas. No. 900,055; Sept. 29; Sp. p. 5616; Dr. p. 1198; Gaz. vol. 136; p. 1035.
- Governor. F. Hodgkinson. No. 900,852; Oct. 13; Sp. p. 1664; Dr. p. 337; Gaz. vol. 136; p. 1356.
- Governor. A. Davis. No. 902,278; Oct. 27; Sp. p. 4613; Dr. p. 937; Gaz. vol. 136; p. 1886.
- Governor and reversing-gear for engines. W. N. Springer. No. 898,074; Sept. 8; Sp. p. 1726; Dr. p. 366; Gaz. vol. 136; p. 302.
- Governor and valve movement. G. Wolke. No. 878,105; Feb. 4; Sp. p. 427; Dr. p. 90; Gaz. vol. 132; p. 917.
- Governor attachment. C. R. Welch. No. 888,946; May 26; Sp. p. 5304; Dr. p. 1125; Gaz. vol. 134; p. 947.
- Governor, Centrifugal. G. W. Younkman. No. 893,691; July 21; Sp. p. 2661; Dr. p. 558; Gaz. vol. 135; p. 488.
- Governor, Centrifugal. R. Siegmund. No. 899,570; Sept. 29; Sp. p. 4601; Dr. p. 988; Gaz. vol. 136; p. 881.
- Governor, Centrifugal. H. C. Clay. No. 904,602; Nov. 24; Sp. p. 4243; Gaz. vol. 137; p. 773.
- Governor-controlling device. H. A. Larson. No. 907,823; Dec. 29; Sp. p. 5348; Gaz. vol. 137; p. 1985.
- Governor, Electric and pneumatic. W. K. Rankin. No. 897,657; Sept. 1; Sp. p. 837; Dr. p. 177; Gaz. vol. 136; p. 134.
- Governor, Engine-. A. Heathcock and L. Rush. No. 891,064; June 16; Sp. p. 3810; Dr. p. 832; Gaz. vol. 134; p. 1727.
- Governor, Explosion-engine. C. H. Way. No. 877,024; Jan. 21; Sp. p. 2763; Dr. p. 598; Gaz. vol. 132; p. 517.
- Governor for gas-engines, Electrical. J. D. Anderson. No. 889,086; May 26; Sp. p. 5552; Dr. p. 1179; Gaz. vol. 134; p. 991.
- Governor, Gas-engine. J. V. Rice, Jr. No. 878,826; Feb. 11; Sp. p. 1961; Dr. pp. 405-6; Gaz. vol. 132; p. 1189.
- Governor, Marine. L. D. Kissack. No. 881,697; Mar. 10; Sp. p. 2385; Dr. p. 518; Gaz. vol. 133; p. 429.
- Governor mechanism for engines. W. E. Gannon. No. 881,917; Mar. 17; Sp. p. 2866; Dr. p. 611; Gaz. vol. 133; p. 530.
- Governor, Speed-. H. F. Snyder and J. T. Hume. No. 888,761; May 26; Sp. p. 4883; Dr. pp. 1041-2; Gaz. vol. 134; p. 885.
- Governor, Steam-engine. J. W. Kleinhan. No. 876,647; Jan. 14; Sp. p. 1993; Dr. p. 434; Gaz. vol. 132; p. 353.
- Governor, Steam-engine. J. W. Gardner. No. 896,376; Aug. 18; Sp. p. 3182; Dr. pp. 682-3; Gaz. vol. 135; p. 1462.
- Grab-hook. J. E. Flynn. No. 883,945; Apr. 7; Sp. p. 555; Dr. p. 111; Gaz. vol. 133; p. 1281.
- Grab-tool. J. G. Hollingsworth. No. 885,478; Apr. 21; Sp. p. 3709; Dr. p. 779; Gaz. vol. 133; p. 1842.
- Grader. A. B. Grodaes. No. 889,781; June 2; Sp. p. 1150; Dr. p. 267; Gaz. vol. 134; p. 1245.
- Grader. H. Tompkins. No. 890,728; June 16; Sp. p. 3127; Dr. p. 685; Gaz. vol. 134; p. 1616.
- Grader. M. M. Defrees. No. 891,916; June 30; Sp. p. 5565; Dr. p. 1199; Gaz. vol. 134; p. 2071.
- Grader and excavator. W. F. Fink. No. 878,283; Feb. 4; Sp. p. 797; Dr. pp. 159-60; Gaz. vol. 132; p. 977.
- Grader attachment. H. N. Barrett and E. D. Wallace. No. 897,955; Sept. 8; Sp. p. 1485; Dr. p. 316; Gaz. vol. 136; p. 264.
- Grader, drag, and harrow, Combined road-. H. D. Guffey. No. 901,806; Oct. 20; Sp. p. 3659; Dr. p. 741; Gaz. vol. 136; p. 1704.
- Grader, drag, &c., Combined road-. T. H. Mitchell. No. 897,124; Aug. 25; Sp. p. 4744; Dr. p. 1011; Gaz. vol. 135; p. 1733.
- Grader drag, Duplex road-. G. Alexander. No. 879,805; Feb. 18; Sp. p. 3921; Dr. p. 821; Gaz. vol. 132; p. 1547.
- Grader, Elevating-. L. V. Brophy. No. 879,607; Feb. 18; Sp. p. 3545; Dr. p. 742; Gaz. vol. 132; p. 1481.
- Grader, levee-builder, digger, and conveyor, Road-. J. W. Baker. No. 880,268; Feb. 25; Sp. p. 4915; Dr. p. 1040; Gaz. vol. 132; p. 1733.
- Grader, Road-. E. Lee. No. 878,643; Feb. 11; Sp. p. 1616; Dr. p. 330; Gaz. vol. 132; p. 1131.
- Grader, Road-. F. Hummel. No. 879,386; Feb. 18; Sp. p. 3053; Dr. pp. 635-6; Gaz. vol. 132; p. 1409.
- Grader, Road-. J. V. Kruse. No. 879,970; Feb. 25; Sp. p. 4310; Dr. p. 901; Gaz. vol. 132; p. 1635.
- Grader, Road-. L. D. Baty. No. 880,774; Mar. 3; Sp. p. 578; Dr. p. 123; Gaz. vol. 133; p. 99.
- Grader, Road-. W. S. Livengood. No. 884,396; Apr. 14; Sp. p. 1474; Dr. p. 315; Gaz. vol. 133; p. 1457.
- Grader, Road-. D. W. King. No. 884,497; Apr. 14; Sp. p. 1679; Dr. p. 362; Gaz. vol. 133; p. 1499.
- Grader, Road-. J. T. Haynes and H. B. Webb. No. 886,802; May 5; Sp. p. 966; Dr. p. 202; Gaz. vol. 134; p. 157.
- Grader, Road-. W. S. Livengood. No. 890,778; June 16; Sp. p. 3234; Dr. p. 707; Gaz. vol. 134; p. 1633.
- Grader, Road-. E. Lee. No. 894,893; Aug. 4; Sp. p. 198; Dr. p. 43; Gaz. vol. 135; p. 931.
- Grader, Road-. T. Henry. No. 898,884; Sept. 15; Sp. p. 3268; Dr. p. 699; Gaz. vol. 136; p. 594.
- Grader, Road-. E. A. Hollenbeck. No. 900,369; Oct. 6; Sp. p. 630; Dr. pp. 129-30; Gaz. vol. 136; p. 1170.
- Graders, Deflector for elevating. W. H. Morenus. No. 903,155; Nov. 3; Sp. p. 1236; Gaz. vol. 137; p. 203.
- Grading and excavating machine. S. H. Bloomer. No. 887,459; May 12; Sp. p. 2294; Dr. pp. 481-3; Gaz. vol. 134; p. 397.
- Grading-machine. A. W. Snow. No. 888,665; May 26; Sp. p. 4701; Dr. pp. 1000-1; Gaz. vol. 134; p. 856.
- Grading machine, Road-. R. C. Redpath. No. 890,796; June 16; Sp. p. 3269; Dr. p. 716; Gaz. vol. 134; p. 1639.
- Grading machine, Road-. P. J. Jewett. No. 895,271; Aug. 4; Sp. p. 1012; Dr. p. 212; Gaz. vol. 135; p. 1060.
- Grading machine, Road-. S. A. D. Bertrand. No. 903,162; Nov. 10; Sp. p. 1247; Gaz. vol. 137; p. 237.
- Grading machine, Road-. J. Rein. No. 905,367; Dec. 1; Sp. p. 476; Gaz. vol. 137; p. 1063.
- Grading or separating machine. A. S. Goss. No. 892,825; July 7; Sp. p. 853; Dr. p. 182; Gaz. vol. 135; p. 145.
- Gradient instrument. C. B. Crim. No. 901,888; Oct. 20; Sp. p. 3798; Dr. p. 773; Gaz. vol. 136; p. 1730.
- Graft-wrapping machine. W. H. Bell. No. 886,923; May 5; Sp. p. 1173; Dr. p. 247; Gaz. vol. 134; p. 194.
- Grain and other granular or pulverulent materials, Apparatus for elevating. L. G. and H. J. Rohde. No. 888,354; May 19; Sp. p. 4040; Dr. p. 852; Gaz. vol. 134; p. 719.
- Grain and seed cleaning and grading machine. J. H. Hoover. No. 884,660; Apr. 14; Sp. p. 2046; Dr. pp. 436-8; Gaz. vol. 133; p. 1543.
- Grain and seed separator. F. Prinz. No. 897,489; Sept. 1; Sp. p. 506; Dr. p. 108; Gaz. vol. 136; p. 81.
- Grain, beans, &c., Grader and cleaner for. A. Hohner. No. 895,892; Sept. 15; Sp. p. 3286; Dr. p. 703; Gaz. vol. 136; p. 597.
- Grain-bin. T. Dougherty. No. 894,122; July 21; Sp. p. 3631; Dr. p. 748; Gaz. vol. 135; p. 632.
- Grain-binder. A. M. Hemberg. No. 875,710; Jan. 7; Sp. p. 62; Dr. p. 13; Gaz. vol. 132; p. 14.
- Grain-binder attachment. M. Brown. No. 876,520; Jan. 14; Sp. p. 1704; Dr. p. 370; Gaz. vol. 132; p. 309.
- Grain-binder attachment. E. D. Rodemeyer. No. 899,619; Sept. 29; Sp. p. 4713; Dr. p. 1009; Gaz. vol. 136; p. 897.
- Grain-bleaching apparatus. W. L. Harvey and W. Tweedale. No. 890,644; June 16; Sp. p. 2946; Dr. p. 645; Gaz. vol. 134; p. 1588.
- Grain by fumigation, Sterilization of. J. Bloch. No. 906,098; Dec. 8; Sp. p. 1935; Gaz. vol. 137; p. 1331.
- Grain-cleaner. C. A. Wright. No. 884,551; Apr. 14; Sp. p. 1790; Dr. p. 385; Gaz. vol. 133; p. 1508.
- Grain-cleaner. C. A. Wright. No. 884,552; Apr. 14; Sp. p. 1792; Dr. p. 385; Gaz. vol. 133; p. 1508.
- Grain cleaner and drier. J. S. Coon. No. 892,502; July 7; Sp. p. 226; Dr. p. 47; Gaz. vol. 135; p. 42.
- Grain-cleaner for wild peas and cockle. J. S. Christensen. No. 897,271; Sept. 1; Sp. p. 18; Dr. p. 5; Gaz. vol. 136; p. 6.
- Grain cleaning and separating machine. A. N. Arneson. No. 907,555; Dec. 22; Sp. p. 4738; Gaz. vol. 137; p. 1865.
- Grain-cleaning apparatus. M. F. Jann-ey and J. Graham. No. 887,196; May 12; Sp. p. 1684; Dr. p. 358; Gaz. vol. 134; p. 309.
- Grain-cleaning machines, Brush-drive for. C. H. Scott. No. 875,854; Jan. 7; Sp. p. 328; Dr. pp. 72-3; Gaz. vol. 132; p. 60.
- Grain, &c., Combined conveyor and purifier for. A. Frister. No. 905,865; Dec. 8; Sp. p. 1493; Gaz. vol. 137; p. 1257.
- Grain-conveyor Pneumatic. W. F. Carlton. No. 883,292; Mar. 31; Sp. p. 5598; Dr. p. 1193; Gaz. vol. 133; p. 1042.
- Grain-cover. A. S. Butner. No. 886,477; May 5; Sp. p. 273; Dr. p. 57; Gaz. vol. 134; p. 50.
- Grain-cutting machine. J. T. Neild. No. 879,666; Feb. 18; Sp. p. 3662; Dr. p. 765; Gaz. vol. 132; p. 1501.
- Grain-dampener. A. H. Kirk. No. 881,135; Mar. 10; Sp. p. 1283; Dr. p. 277; Gaz. vol. 133; p. 248.
- Grain-distributor. H. B. Bozard. No. 899,711; Sept. 29; Sp. p. 4579; Dr. p. 1047; Gaz. vol. 136; p. 924.
- Grain-distributing apparatus. H. P. Harpstrite. No. 883,801; Apr. 7; Sp. p. 251; Dr. pp. 45-6; Gaz. vol. 133; p. 1232.
- Grain-distributing devices, Position-indicator for. H. B. Higgins. No. 887,805; May 19; Sp. p. 2995; Dr. p. 623; Gaz. vol. 134; p. 543.
- Grain-drier. W. Wilson. No. 884,666; Apr. 14; Sp. p. 2109; Dr. p. 450; Gaz. vol. 133; p. 1555.
- Grain-drier. F. J. Thull. No. 889,500; June 2; Sp. p. 738; Dr. p. 170; Gaz. vol. 134; p. 1176.
- Grain-drier. P. Provost. No. 893,812; July 21; Sp. p. 2992; Dr. p. 613; Gaz. vol. 135; p. 530.
- Grain drying and cooling machine. S. J. McCarthy. No. 877,942; Feb. 4; Sp. p. 97; Dr. p. 22; Gaz. vol. 132; p. 865.
- Grain drying, scouring, and cleaning machine. H. P. Crockett. No. 890,758; June 16; Sp. p. 3192; Dr. p. 697; Gaz. vol. 134; p. 1626.
- Grain-drill. T. B. Rowell. No. 879,405; Feb. 18; Sp. p. 3294; Dr. p. 639; Gaz. vol. 132; p. 1450.
- Grain-drill. W. T. Edwards. No. 894,316; July 28; Sp. p. 4064; Dr. p. 840; Gaz. vol. 135; p. 716.
- Grain-drill. D. A. Schutt. No. 903,235; Nov. 10; Sp. p. 1404; Gaz. vol. 137; p. 200.
- Grain-drill. D. A. Schutt. No. 903,896; Nov. 17; Sp. p. 2734; Gaz. vol. 137; p. 507.
- Grain-drill. D. A. Schutt. No. 904,232; Nov. 17; Sp. p. 3477; Gaz. vol. 137; p. 623.
- Grain-drill. E. H. Collins. No. 904,410; Nov. 17; Sp. p. 3838; Gaz. vol. 137; p. 682.
- Grain-dump. J. E. Camp. No. 890,922; June 9; Sp. p. 1653; Dr. p. 368; Gaz. vol. 134; p. 1352.
- Grain-elevating machine. E. H. and L. Westbrook. No. 906,176; Dec. 8; Sp. p. 2085; Gaz. vol. 137; p. 1357.

Alphabetical list of inventions—Continued.

- Grain-elevator, Portable. J. E. Camp. No. 890,021; June 9; Sp. p. 1649; Dr. p. 368; Gaz. vol. 134; p. 1352.
- Grain-elevator. J. C. Tobias. No. 904,378; Nov. 17; Sp. p. 3773; Gaz. vol. 137; p. 672.
- Grain-elevator and weigher. C. Bradford and G. L. Chatfield. No. 875,771; Jan. 7; Sp. p. 182; Dr. pp. 39-40; Gaz. vol. 132; p. 34.
- Grain-elevator, Portable. J. E. and C. W. Camp. No. 898,552; Sept. 15; Sp. p. 2651; Dr. p. 567; Gaz. vol. 136; p. 487.
- Grain feeding and weighing apparatus. W. Schwede. No. 885,299; Apr. 21; Sp. p. 3357; Dr. p. 702; Gaz. vol. 133; p. 1784.
- Grain from smut or other fungi, Purifying. F. Mears. No. 888,106; May 19; Sp. p. 3587; Dr. p. 751; Gaz. vol. 134; p. 640.
- Grain grading and separating machine. W. W. Patterson. No. 880,911; Mar. 3; Sp. p. 869; Dr. pp. 186-7; Gaz. vol. 133; p. 146.
- Grain-heater. F. A. Spivak. No. 884,230; Apr. 7; Sp. p. 1155; Dr. p. 243; Gaz. vol. 133; p. 1374.
- Grain-heater. M. Klementis and J. Sebastian. No. 886,518; May 5; Sp. p. 345; Dr. pp. 71-2; Gaz. vol. 134; p. 64.
- Grain hulling or cleaning machine. U. Wedge. No. 887,556; May 12; Sp. p. 2504; Dr. p. 528; Gaz. vol. 134; p. 431.
- Grain, Machine for separating hulled from unhulled. A. P. MacDonald. No. 882,156; Mar. 17; Sp. p. 3331; Dr. p. 710; Gaz. vol. 133; p. 606.
- Grain-meter. M. Zimmerman. No. 892,492; July 7; Sp. p. 198; Dr. p. 42; Gaz. vol. 135; p. 38.
- Grain-meter. J. S. Blakely. No. 895,234; Aug. 4; Sp. p. 918; Dr. pp. 194-5; Gaz. vol. 135; p. 1048.
- Grain, middlings, &c., Separator for. A. Wolf. No. 903,804; Nov. 10; Sp. p. 2542; Gaz. vol. 137; p. 444.
- Grain-mill. S. Vessot. No. 878,693; Feb. 11; Sp. p. 1699; Dr. pp. 351-2; Gaz. vol. 132; p. 1146.
- Grain or seed separating device. J. E. Hill and W. W. Brower. (Reissue.) No. 12,891; Dec. 1; Sp. p. 1415; Gaz. vol. 137; p. 1216.
- Grain-scourer. T. Grose. No. 904,950; Nov. 24; Sp. p. 4986; Gaz. vol. 137; p. 890.
- Grain-screen. G. H. Rechtenbach. No. 886,247; Apr. 28; Sp. p. 5274; Dr. p. 1111; Gaz. vol. 133; p. 2120.
- Grain-screening machine. A. H. Baenen. No. 891,654; June 23; Sp. p. 5029; Dr. p. 1083; Gaz. vol. 134; p. 1951.
- Grain-scrubber. C. E. Manor. No. 885,499; Apr. 21; Sp. p. 3743; Dr. p. 788; Gaz. vol. 133; p. 1848.
- Grain-separator. M. Leonard. No. 881,422; Mar. 10; Sp. p. 1854; Dr. p. 403; Gaz. vol. 133; p. 339.
- Grain-separator. J. A. Neufeld. No. 882,955; Mar. 24; Sp. p. 4912; Dr. pp. 1041-2; Gaz. vol. 133; p. 903.
- Grain-separator. N. Huff. No. 885,620; Apr. 21; Sp. p. 4002; Dr. p. 836; Gaz. vol. 133; p. 1884.
- Grain-separator. R. J. Owens. No. 886,306; Apr. 28; Sp. p. 5400; Dr. p. 1134; Gaz. vol. 133; p. 2141.
- Grain-separator. J. L. Black and L. Kipping. No. 887,580; May 12; Sp. p. 2540; Dr. p. 536; Gaz. vol. 134; p. 438.
- Grain-separator. W. A. Brewster. No. 889,433; June 2; Sp. p. 484; Dr. p. 115; Gaz. vol. 134; p. 1136.
- Grain-separator. G. W. Flewelly. No. 892,512; July 7; Sp. p. 242; Dr. p. 51; Gaz. vol. 135; p. 45.
- Grain-separator. H. A. Campbell. No. 896,891; Aug. 25; Sp. p. 4231; Dr. p. 905; Gaz. vol. 135; p. 1653.
- Grain separator and grader. F. G. Lyman. No. 903,390; Nov. 10; Sp. p. 1698; Gaz. vol. 137; p. 310.
- Grain-separator screen. H. J. Folts. No. 891,239; June 23; Sp. p. 4162; Dr. p. 911; Gaz. vol. 134; p. 1815.
- Grain-shakers, Strain-equalizer for. E. Anderson. No. 878,597; Feb. 11; Sp. p. 1524; Dr. p. 310; Gaz. vol. 132; p. 1116.
- Grain-shock elevator. J. James. No. 892,960; July 7; Sp. p. 1144; Dr. pp. 240-1; Gaz. vol. 135; p. 192.
- Grain-shocker. J. Boda. No. 879,850; Feb. 25; Sp. p. 4032; Dr. pp. 845-7; Gaz. vol. 132; p. 1594.
- Grain-shocker. C. M. Cochran. No. 882,052; Mar. 17; Sp. p. 3155; Dr. pp. 670-1; Gaz. vol. 133; p. 573.
- Grain-shocker. E. Cowin. No. 907,467; Dec. 22; Sp. p. 4585; Gaz. vol. 137; p. 1838.
- Grain-shocker for harvesters. H. C. Gile. No. 893,476; July 14; Sp. p. 2207; Dr. pp. 463-4; Gaz. vol. 135; p. 388.
- Grain-shockers, Tripping and bundle-counting mechanism for. J. Boda. No. 879,834; Feb. 18; Sp. p. 3991; Dr. pp. 835-6; Gaz. vol. 132; p. 1557.
- Grain-shocking machine. W. A. Leitch. No. 900,559; Oct. 6; Sp. p. 1049; Dr. pp. 215-16; Gaz. vol. 136; p. 1233.
- Grain-storing apparatus. R. Tolson. No. 894,085; July 21; Sp. p. 3562; Dr. p. 733; Gaz. vol. 135; p. 621.
- Grain-tank. C. Blom. No. 897,814; Sept. 1; Sp. p. 1165; Dr. p. 248; Gaz. vol. 136; p. 185.
- Grain tank and elevator. J. W. Tobin. No. 878,488; Feb. 4; Sp. p. 1213; Dr. pp. 250-1; Gaz. vol. 132; p. 1044.
- Grain-thresher, Device for supporting and adjusting the concave of a. P. Haster. No. 908,258; Dec. 29; Sp. p. 6269; Gaz. vol. 137; p. 2129.
- Grain-treating apparatus. C. D. Stephens. No. 886,887; May 5; Sp. p. 1111; Dr. p. 232; Gaz. vol. 134; p. 182.
- Grain-treating apparatus. W. F. Carlton. No. 888,467; May 26; Sp. p. 4286; Dr. p. 907; Gaz. vol. 134; p. 787.
- Grain-treating apparatus. R. S. Houston. No. 897,899; Sept. 8; Sp. p. 1352; Dr. p. 289; Gaz. vol. 136; p. 245.
- Grain-washing machine. W. F. Mullaney, C. B. Neuman, and M. Nicholson. No. 902,988; Nov. 3; Sp. p. 925; Gaz. vol. 137; p. 152.
- Grain-weigher, Automatic. G. M. Baird. No. 881,217; Mar. 10; Sp. p. 1444; Dr. p. 312; Gaz. vol. 133; p. 274.
- Grainers, Raking-machine for. G. B. Wilcox. No. 882,727; Mar. 24; Sp. p. 4442; Dr. pp. 944-5; Gaz. vol. 133; p. 827.
- Graining-machine. A. H. Sherwood. No. 906,946; Dec. 15; Sp. p. 3536; Gaz. vol. 137; p. 1629.
- Graining material. A. Sutton. No. 888,859; May 26; Sp. p. 5112; Gaz. vol. 134; p. 917.
- Gramophone. L. T. Haile. No. 883,135; Mar. 24; Sp. p. 5256; Dr. pp. 1122-3; Gaz. vol. 133; p. 960.
- Gramophone. A. Henry. No. 902,579; Nov. 3; Sp. p. 95; Gaz. vol. 137; p. 16.
- Gramophone-disk-record holder. C. H. Douglass. No. 877,060; Jan. 21; Sp. p. 2838; Dr. p. 613; Gaz. vol. 132; p. 529.
- Gramophone-machines, Turn-table for. E. H. Mobley. No. 891,356; June 23; Sp. p. 4401; Dr. p. 958; Gaz. vol. 134; p. 1853.
- Gramophone or other sound reproducing or recording machine. L. T. Haile. No. 880,879; Mar. 3; Sp. p. 813; Dr. p. 172; Gaz. vol. 133; p. 136.
- Gramophone-record tablets, Making. H. S. Berliner. No. 878,931; Feb. 11; Sp. p. 2161; Dr. p. 451; Gaz. vol. 132; p. 1222.
- Granular material, Apparatus for handling. O. E. Goldschmidt. No. 893,479; July 14; Sp. p. 2212; Dr. pp. 464-5; Gaz. vol. 135; p. 389.
- Granular material, Sampler for. H. D. Bonnell. No. 902,049; Oct. 27; Sp. p. 4152; Dr. p. 841; Gaz. vol. 136; p. 1812.
- Granular or pulverulent material, Receptacle for. A. J. Blood. No. 892,392; July 7; Sp. p. 7; Dr. p. 2; Gaz. vol. 135; p. 4.
- Granular or pulverulent materials, Receptacle for. A. J. Blood. No. 887,760; May 19; Sp. p. 2895; Dr. p. 610; Gaz. vol. 134; p. 526.
- Gramophone sound-boxes, Regulating device for. S. Berens. No. 890,754; June 16; Sp. p. 3185; Dr. p. 696; Gaz. vol. 134; p. 1625.
- Graphical integration and differentiation, Protractor for. F. W. Battershall. No. 907,716; Dec. 29; Sp. p. 5133; Gaz. vol. 137; p. 1949.
- Graphite, Disintegrating. E. G. Acheson. No. 875,881; Jan. 7; Sp. p. 379; Dr. p. 83; Gaz. vol. 132; p. 70.
- Graphite-separator. W. M. Fuller. No. 894,879; Aug. 4; Sp. p. 167; Dr. p. 36; Gaz. vol. 135; p. 926.
- Graphophone. D. Higham. No. 876,350; Jan. 14; Sp. p. 1316; Dr. pp. 284-5; Gaz. vol. 132; p. 250.
- Graphophone. T. H. Macdonald. No. 877,207; Jan. 21; Sp. p. 3147; Dr. pp. 682-3; Gaz. vol. 132; p. 579.
- Graphophone and picture-exhibitor, Combined. C. W. Taylor. No. 884,239; Apr. 7; Sp. p. 1174; Dr. pp. 247-8; Gaz. vol. 133; p. 1378.
- Graphophone attachment. W. S. Rodenberger. No. 904,453; Nov. 17; Sp. p. 3925; Gaz. vol. 137; p. 696.
- Graphophone, Disk. T. H. Macdonald. No. 902,590; Nov. 3; Sp. p. 125; Gaz. vol. 137; p. 20.
- Graphophone-horn. G. W. Duncan. No. 875,790; Jan. 7; Sp. p. 218; Dr. p. 48; Gaz. vol. 132; p. 40.
- Graphophone, Magazine-. H. W. Longfellow, Jr. No. 907,826; Dec. 29; Sp. p. 6352; Gaz. vol. 137; p. 1986.
- Graphophone-needle. W. Fitzpatrick. No. 885,989; Apr. 28; Sp. p. 4796; Dr. p. 1007; Gaz. vol. 133; p. 2037.
- Graphophone or phonograph record holder, Disk. F. Eberhart. No. 900,714; Oct. 13; Sp. p. 1377; Dr. p. 281; Gaz. vol. 136; p. 1311.
- Graphophone, phonograph, and the like. J. O. Hirschfelder. No. 886,056; Apr. 28; Sp. p. 4932; Dr. p. 1036; Gaz. vol. 133; p. 2059.
- Graphophone sound-box. H. Nies. No. 899,464; Sept. 22; Sp. p. 4364; Dr. p. 936; Gaz. vol. 136; p. 808.
- Graphophone-stop. J. W. Jones. No. 901,910; Oct. 20; Sp. p. 3841; Dr. p. 783; Gaz. vol. 136; p. 1737.
- Graphophone tone-modulator. J. E. O'Neil and E. Jenkins. No. 905,220; Dec. 1; Sp. p. 201; Gaz. vol. 137; p. 1016.
- Graphophones and records therefor, Cabinet for. W. C. Hills. No. 903,977; Nov. 17; Sp. p. 2929; Gaz. vol. 137; p. 535.
- Graphoscope. A. A. Felix. No. 902,063; Oct. 27; Sp. p. 4179; Dr. p. 846; Gaz. vol. 136; p. 1817.
- Grapple. L. T. Pedigo. No. 882,796; Mar. 24; Sp. p. 4575; Dr. p. 976; Gaz. vol. 133; p. 849.
- Grapple. O. Rodman. No. 885,297; Apr. 21; Sp. p. 3354; Dr. p. 701; Gaz. vol. 133; p. 1783.
- Grapple. E. D. Coogan. No. 885,442; Apr. 21; Sp. p. 3645; Dr. p. 765; Gaz. vol. 133; p. 1830.
- Grapple. W. Autemeth. No. 901,057; Oct. 13; Sp. p. 2084; Dr. p. 424; Gaz. vol. 136; p. 1423.
- Grapple. C. L. Simmons. No. 905,010; Nov. 24; Sp. p. 5108; Gaz. vol. 137; p. 910.
- Grapple-fork. M. Kidney. No. 899,308; Sept. 22; Sp. p. 4087; Dr. p. 873; Gaz. vol. 136; p. 759.
- Grappling device. H. L. Ingalsbe. No. 907,056; Dec. 15; Sp. p. 3725; Gaz. vol. 137; p. 1664.
- Grass-burning machine. J. R. Totman. No. 896,774; Aug. 25; Sp. p. 3577; Dr. p. 856; Gaz. vol. 135; p. 1614.
- Grass or weed exterminator, Quack-. A. G. Ham. No. 901,533; Oct. 20; Sp. p. 3083; Dr. p. 630; Gaz. vol. 136; p. 1615.
- Grass puller, Quack-. R. Schultz and J. Neubauer. No. 895,552; July 14; Sp. p. 2374; Dr. pp. 496-7; Gaz. vol. 135; p. 413.
- Grate. J. Reagan. No. 876,728; Jan. 14; Sp. p. 2131; Dr. p. 468; Gaz. vol. 132; p. 378.
- Grate. C. Pekat. No. 883,046; Mar. 24; Sp. p. 5073; Dr. pp. 1082-3; Gaz. vol. 133; p. 931.
- Grate. A. V. Davidson and C. R. Beard. No. 895,667; Apr. 21; Sp. p. 4098; Dr. p. 858; Gaz. vol. 133; p. 1899.
- Grate. H. W. Whelan. No. 885,898; Apr. 28; Sp. p. 4577; Dr. p. 960; Gaz. vol. 133; p. 2006.
- Grate. J. W. Wolcott. No. 886,453; May 5; Sp. p. 217; Dr. p. 46; Gaz. vol. 134; p. 41.
- Grate. J. Lees. No. 889,698; June 2; Sp. p. 1005; Dr. p. 232; Gaz. vol. 134; p. 1220.
- Grate. G. W. St. John. No. 893,671; July 21; Sp. p. 2631; Dr. p. 551; Gaz. vol. 135; p. 482.
- Grate. J. G. Crowdes. No. 986,692; Aug. 18; Sp. p. 3799; Dr. p. 822; Gaz. vol. 135; p. 1563.
- Grate. F. Barker. No. 899,372; Sept. 22; Sp. p. 4202; Dr. p. 900; Gaz. vol. 136; p. 779.
- Grate. J. Schenck. No. 902,611; Nov. 3; Sp. p. 164; Gaz. vol. 137; p. 27.
- Grate. F. Fréchette. No. 906,521; Dec. 15; Sp. p. 2730; Gaz. vol. 137; p. 1496.
- Grate. E. L. Long. No. 906,641; Dec. 15; Sp. p. 2945; Gaz. vol. 137; p. 1532.

Alphabetical list of inventions—Continued.

- Grate and air-heater, Combined. A. D. Rathbone. No. 902,002; Oct. 27; Sp. p. 4062; Dr. p. 824; Gaz. vol. 136; p. 1798.
- Grate and fireplace heating attachment. F. A. Delph. No. 877,303; Jan. 21; Sp. p. 3335; Dr. p. 723; Gaz. vol. 132; p. 609.
- Grate attachment. E. W. Jeter. No. 888,013; May 19; Sp. p. 3402; Dr. pp. 715-16; Gaz. vol. 134; p. 611.
- Grate-bar. C. W. Rollin. No. 881,960; Mar. 17; Sp. p. 2957; Dr. p. 630; Gaz. vol. 133; p. 544.
- Grate-bar. A. C. Lippincott. No. 892,599; July 7; Sp. p. 393; Dr. p. 87; Gaz. vol. 135; p. 73.
- Grate-bar. G. S. Sergeant. No. 897,162; Aug. 25; Sp. p. 4811; Dr. pp. 1023-4; Gaz. vol. 135; p. 1744.
- Grate-bar and fuel-saver. J. M. Fleming. No. 907,111; Dec. 15; Sp. p. 3834; Gaz. vol. 137; p. 1681.
- Grate, Fire-. J. Stewart. No. 885,100; Apr. 21; Sp. p. 2924; Dr. p. 620; Gaz. vol. 133; p. 1717.
- Grate, Fire-. J. Williamson. No. 899,442; Sept. 22; Sp. p. 4320; Dr. pp. 928-9; Gaz. vol. 136; p. 800.
- Grate for open fireplaces. C. F. Salter. No. 884,615; Apr. 14; Sp. p. 1917; Dr. pp. 411-12; Gaz. vol. 133; p. 1528.
- Grate, Movable. A. B. Reck. No. 886,727; May 5; Sp. p. 802; Dr. p. 165; Gaz. vol. 134; p. 134.
- Grate, Oil-. R. Held. No. 882,634; Mar. 24; Sp. p. 4264; Dr. p. 903; Gaz. vol. 133; p. 797.
- Grate, Revolving. F. Burger. No. 877,487; Jan. 28; Sp. p. 3686; Dr. p. 799; Gaz. vol. 132; p. 689.
- Grate, Rocking. P. Cameron. No. 901,876; Oct. 20; Sp. p. 3776; Dr. p. 767; Gaz. vol. 136; p. 1725.
- Grate, Sectional. D. B. Baker and J. A. Stein. No. 882,860; Mar. 24; Sp. p. 4722; Dr. p. 1004; Gaz. vol. 133; p. 870.
- Grate, Shaking-. W. E. Cole. No. 900,057; Sept. 29; Sp. p. 5647; Dr. pp. 1205-6; Gaz. vol. 136; p. 1039.
- Grate, Vertically-adjustable. J. W. Piper. No. 899,677; Sept. 29; Sp. p. 4820; Dr. p. 1032; Gaz. vol. 136; p. 914.
- Grate, Water-cooled. W. C. Richardson. No. 879,492; Feb. 18; Sp. p. 3284; Dr. pp. 686-7; Gaz. vol. 132; p. 1444.
- Grater, Corn-. N. McKeever. No. 892,873; July 7; Sp. p. 958; Dr. p. 201; Gaz. vol. 135; p. 161.
- Grater, Nutmeg-. W. H. Davidson. No. 889,666; June 2; Sp. p. 919; Dr. p. 213; Gaz. vol. 134; p. 1210.
- Grater, parer, and corer, Combined. C. E. Segelcke. No. 879,417; Feb. 18; Sp. p. 8134; Dr. p. 651; Gaz. vol. 132; p. 1421.
- Grater, Potato-. H. Halbach. No. 880,022; Feb. 25; Sp. p. 4407; Dr. p. 926; Gaz. vol. 132; p. 1651.
- Grave attachment. G. H. Willems. No. 901,407; Oct. 20; Sp. p. 2800; Dr. p. 571; Gaz. vol. 136; p. 1573.
- Grave-vault door. F. S. Withersman. No. 907,933; Dec. 29; Sp. p. 5574; Gaz. vol. 137; p. 2020.
- Gravity-carrier. R. P. Mathews and C. H. Lister. No. 890,917; June 16; Sp. p. 3501; Dr. p. 767; Gaz. vol. 134; p. 1677.
- Gravity-lock. G. Yunker. No. 882,921; Mar. 24; Sp. p. 4840; Dr. p. 1027; Gaz. vol. 133; p. 890.
- Gravity-lock. O. Wiegmann. No. 896,260; Aug. 18; Sp. p. 2931; Dr. p. 632; Gaz. vol. 135; p. 1426.
- Grease-cup. F. Beemer. No. 879,026; Feb. 11; Sp. p. 2327; Dr. p. 487; Gaz. vol. 132; p. 1251.
- Grease-cup. G. B. Brettell. No. 891,398; June 23; Sp. p. 4495; Dr. p. 978; Gaz. vol. 134; p. 1868.
- Grease-cup. C. H. Prescott. No. 887,849; Sept. 1; Sp. p. 1237; Dr. p. 265; Gaz. vol. 136; p. 196.
- Grease-cup. J. Rank. No. 901,039; Oct. 13; Sp. p. 2047; Dr. p. 416; Gaz. vol. 136; p. 1417.
- Grease-cup. F. L. Brown and I. W. Sprink. No. 901,679; Oct. 20; Sp. p. 3372; Dr. p. 691; Gaz. vol. 136; p. 1662.
- Grease-cup. F. L. Swanberg. No. 906,333; Dec. 8; Sp. p. 2393; Gaz. vol. 137; p. 1410.
- Grease-plugs, Locking device for. D. S. Guenther. No. 902,727; Nov. 3; Sp. p. 391; Gaz. vol. 137; p. 67.
- Greasing device. I. L. Overall. No. 893,539; July 14; Sp. p. 2345; Dr. p. 491; Gaz. vol. 135; p. 409.
- Green or hot house. P. Minder. No. 896,565; Aug. 18; Sp. p. 3554; Dr. pp. 763-5; Gaz. vol. 135; p. 1525.
- Greenhouse-bench. J. Wilson. No. 889,349; June 2; Sp. p. 302; Dr. p. 71; Gaz. vol. 134; p. 1107.
- Greenhouse construction. J. H. Rice. No. 884,208; Apr. 7; Sp. p. 1120; Dr. p. 235; Gaz. vol. 133; p. 1367.
- Greenhouse construction. W. H. Lutton. No. 902,155; Oct. 27; Sp. p. 4357; Dr. p. 882; Gaz. vol. 136; p. 1846.
- Grid for openers, cutchers, and the like machines. R. Schaellbaum. No. 905,237; Dec. 1; Sp. p. 232; Gaz. vol. 137; p. 1022.
- Giddle. E. L. Flandreau. No. 901,087; Oct. 13; Sp. p. 2134; Dr. p. 435; Gaz. vol. 136; p. 1431.
- Gridiron. J. A. Cook. No. 890,219; June 9; Sp. p. 2054; Dr. p. 451; Gaz. vol. 134; p. 1418.
- Griender, Calk-. D. F. Ensign and M. Hazard. No. 899,721; Sept. 29; Sp. p. 5282; Dr. p. 1129; Gaz. vol. 136; p. 987.
- Griender for wood-planer knives. W. H. Kahle and M. Himmelreich. No. 900,284; Oct. 6; Sp. p. 456; Dr. pp. 93-4; Gaz. vol. 136; p. 1143.
- Griender, Glass-cutting. J. T. Young. No. 898,028; Sept. 8; Sp. p. 1636; Dr. p. 349; Gaz. vol. 136; p. 287.
- Griender, Scythe-. C. Ball. No. 901,059; Oct. 13; Sp. p. 2087; Dr. p. 424; Gaz. vol. 136; p. 1424.
- Grinding and glazing machines. Knife-holder for. J. F. Lamb. No. 891,177; June 16; Sp. p. 4005; Dr. p. 879; Gaz. vol. 134; p. 1701.
- Grinding and polishing machine. L. A. Jones. No. 884,162; Apr. 7; Sp. p. 1045; Dr. p. 218; Gaz. vol. 133; p. 1353.
- Grinding and polishing machine. J. M. Thompson. No. 898,528; Sept. 15; Sp. p. 2601; Dr. p. 555; Gaz. vol. 136; p. 479.
- Grinding and polishing roll. C. A. Edlund. No. 875,701; Jan. 7; Sp. p. 43; Dr. p. 9; Gaz. vol. 132; p. 10.
- Grinding and sharpening machine. H. D. Nicholls. No. 907,862; Dec. 29; Sp. p. 5422; Gaz. vol. 137; p. 1997.
- Grinding attachment for lawn-mowers. L. G. Haines. No. 893,164; July 14; Sp. p. 1581; Dr. p. 335; Gaz. vol. 135; p. 287.
- Grinding attachment for lawn-mowers. M. S. Blanch and S. A. Rosen. No. 893,302; July 14; Sp. p. 1842; Dr. p. 386; Gaz. vol. 135; p. 332.
- Grinding band-wheels, Device for. C. E. Payne. No. 899,896; Sept. 29; Sp. p. 5282; Dr. p. 1129; Gaz. vol. 136; p. 987.
- Grinding device for sharpening the rotary circular knives of meat-slicing machines, &c. W. A. van Berkel. No. 889,830; June 2; Sp. p. 1242; Dr. p. 287; Gaz. vol. 134; p. 1261.
- Grinding locomotive-frames, Machine for. A. Forsyth. No. 888,604; May 26; Sp. p. 4576; Dr. pp. 970-1; Gaz. vol. 134; p. 836.
- Grinding-machine. J. E. Fry. No. 876,449; Jan. 14; Sp. p. 1537; Dr. p. 330; Gaz. vol. 132; p. 283.
- Grinding-machine. J. F. Carlson. No. 877,170; Jan. 21; Sp. p. 3038; Dr. p. 664; Gaz. vol. 132; p. 565.
- Grinding-machine. A. B. Landis. No. 879,276; Feb. 18; Sp. p. 2825; Dr. p. 592; Gaz. vol. 132; p. 1374.
- Grinding-machine. A. B. Landis. No. 879,277; Feb. 18; Sp. p. 2828; Dr. pp. 592-3; Gaz. vol. 132; p. 1375.
- Grinding-machine. J. G. Blessing. No. 880,120; Feb. 25; Sp. p. 4600; Dr. pp. 969-70; Gaz. vol. 132; p. 1683.
- Grinding-machine. J. G. Blessing. No. 880,188; Feb. 25; Sp. p. 4740; Dr. pp. 1003-4; Gaz. vol. 132; p. 1706.
- Grinding-machine. M. Dickerson. No. 881,465; Mar. 10; Sp. p. 1946; Dr. p. 423; Gaz. vol. 133; p. 354.
- Grinding-machine. C. E. Ball. No. 883,163; Mar. 31; Sp. p. 5320; Dr. p. 1135; Gaz. vol. 133; p. 999.
- Grinding-machine. A. B. Landis. No. 883,649; Mar. 31; Sp. p. 6331; Dr. pp. 1349-50; Gaz. vol. 133; p. 1155.
- Grinding-machine. G. M. Stedman. No. 889,555; June 2; Sp. p. 732; Dr. pp. 168-9; Gaz. vol. 134; p. 1174.
- Grinding-machine. W. A. Bond. No. 891,902; June 30; Sp. p. 5535; Dr. p. 1194; Gaz. vol. 134; p. 2066.
- Grinding-machine. C. G. Garrigus and H. W. Spellman. No. 893,158; July 14; Sp. p. 1569; Dr. p. 332; Gaz. vol. 135; p. 286.
- Grinding-machine. M. Neff. No. 895,579; Aug. 11; Sp. p. 1609; Dr. p. 339; Gaz. vol. 135; p. 1184.
- Grinding-machine. J. B. Gury. No. 895,749; Aug. 11; Sp. p. 1947; Dr. p. 412; Gaz. vol. 135; p. 1239.
- Grinding-machine. S. Nikoloff. No. 898,673; Sept. 15; Sp. p. 2882; Dr. pp. 616-17; Gaz. vol. 136; p. 525.
- Grinding-machine. C. Mills. No. 899,421; Sept. 22; Sp. p. 4283; Dr. pp. 919-20; Gaz. vol. 136; p. 794.
- Grinding-machine. A. Johnston. No. 901,909; Oct. 20; Sp. p. 3840; Dr. pp. 782-3; Gaz. vol. 136; p. 1737.
- Grinding-machine. H. B. Robinson. No. 905,461; Dec. 1; Sp. p. 700; Gaz. vol. 137; p. 1096.
- Grinding-machine. H. Robinson. No. 908,141; Dec. 29; Sp. p. 6005; Gaz. vol. 137; p. 2089.
- Grinding-machine case, Portable. G. Wieber. No. 884,249; Apr. 7; Sp. p. 1195; Dr. pp. 251-2; Gaz. vol. 133; p. 1380.
- Grinding machine, Cutlery-. C. L. Joy. No. 877,199; Jan. 21; Sp. p. 3127; Dr. p. 678; Gaz. vol. 132; p. 575.
- Grinding machine, Cutlery-. W. J. Bastian and F. Granitz. No. 886,754; May 5; Sp. p. 857; Dr. pp. 178-9; Gaz. vol. 134; p. 142.
- Grinding-machine feeding mechanism. J. N. Heald. No. 888,496; May 26; Sp. p. 4345; Dr. pp. 919-20; Gaz. vol. 134; p. 797.
- Grinding-machine, Fluid-pressure-operated. J. G. Blessing. No. 876,428; Jan. 14; Sp. p. 1495; Dr. pp. 321-2; Gaz. vol. 132; p. 276.
- Grinding-machine knife-holding attachment. A. Schwantes and C. G. F. Schuenke. No. 907,413; Dec. 22; Sp. p. 4456; Gaz. vol. 137; p. 1819.
- Grinding machine, Shear-. G. Wieber. No. 878,030; Feb. 4; Sp. p. 283; Dr. p. 61; Gaz. vol. 132; p. 894.
- Grinding machine, Surface-. R. C. Matthews. No. 876,372; Jan. 14; Sp. p. 1357; Dr. p. 296; Gaz. vol. 132; p. 257.
- Grinding-machine, Universal. F. Stutzman. No. 904,817; Nov. 24; Sp. p. 4707; Gaz. vol. 137; p. 846.
- Grinding-machine work-rest. J. J. Thacher. No. 879,214; Feb. 18; Sp. p. 2714; Dr. p. 566; Gaz. vol. 132; p. 1353.
- Grinding-machines, Grinding-wheel truer for. A. B. Landis. No. 883,650; Mar. 31; Sp. p. 6335; Dr. p. 1350; Gaz. vol. 133; p. 1156.
- Grinding-mill. J. Barr and W. J. Montz. No. 893,893; July 21; Sp. p. 3160; Dr. p. 650; Gaz. vol. 135; p. 556.
- Grinding-mill. D. S. Anthony. No. 901,770; Oct. 20; Sp. p. 3590; Dr. p. 726; Gaz. vol. 136; p. 1693.
- Grinding-mill. W. R. Cunningham. No. 904,686; Nov. 24; Sp. p. 4416; Gaz. vol. 137; p. 801.
- Grinding-mill. A. A. Warner. No. 904,905; Nov. 24; Sp. p. 4895; Gaz. vol. 137; p. 874.
- Grinding-mill. F. Nolte. No. 907,275; Dec. 22; Sp. p. 4205; Gaz. vol. 137; p. 1773.
- Grinding-mill register and alarm. J. M. Hickey. No. 897,102; Aug. 25; Sp. p. 4695; Dr. p. 1000; Gaz. vol. 135; p. 1724.
- Grinding-mills and disk pulverizers, Releasing mechanism for. J. I. Brown. No. 898,309; Sept. 8; Sp. p. 2167; Dr. p. 460; Gaz. vol. 136; p. 374.
- Grinding-mills, Supplemental hopper for. F. B. Tice. No. 881,745; Mar. 10; Sp. p. 2493; Dr. p. 537; Gaz. vol. 133; p. 444.
- Grinding or crushing foundry-sand, &c., Apparatus for. P. Bonvillain. (Reissue.) No. 12,778; Apr. 7; Sp. p. 1385; Dr. p. 296; Gaz. vol. 133; p. 1414.
- Grinding or crushing mill. J. J. Fraser. No. 883,872; Apr. 7; Sp. p. 411; Dr. p. 80; Gaz. vol. 133; p. 1256.
- Grinding or mixing mill, Edge-runner. C. B. Cole. No. 885,723; Apr. 28; Sp. p. 4225; Dr. pp. 884-5; Gaz. vol. 133; p. 1948.
- Grinding or polishing wheel. C. B. Watzles. No. 879,504; Feb. 18; Sp. p. 3310; Dr. p. 692; Gaz. vol. 132; p. 1449.

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- Grinding plastic substances, such as chocolate, &c., Machine for. G. S. Baker. No. 881,287; Mar. 10; Sp. p. 1598; Dr. p. 342; Gaz. vol. 133; p. 298.
- Grinding points, Machine for. J. Ohanian. No. 902,598; Nov. 3; Sp. p. 134; Gaz. vol. 137; p. 23.
- Grinding-roll. L. C. Wales. No. 886,099; Apr. 28; Sp. p. 5008; Dr. p. 1054; Gaz. vol. 133; p. 2072.
- Grinding-roller, Antifriction. H. Besser. No. 879,807; Feb. 18. Sp. p. 3923; Dr. p. 822; Gaz. vol. 132; p. 1547.
- Grinding, sawing, and turning machine. H. E. O. Schmidt. No. 877,666; Jan. 28; Sp. p. 4064; Dr. p. 880; Gaz. vol. 132; p. 749.
- Grinding teeth of gear-wheels, Machine for. F. A. Phelps. No. 903,106; Nov. 3; Sp. p. 1142; Gaz. vol. 137; p. 187.
- Grindstone attachment. J. M. Drake. No. 888,971; May 26; Sp. p. 5353; Dr. p. 1136; Gaz. vol. 134; p. 955.
- Grindstone attachment. T. J. Murphy. No. 889,481; June 2; Sp. p. 595; Dr. p. 139; Gaz. vol. 134; p. 1151.
- Grindstone for grinding or smoothing lithographic stones. O. Reuchlin. No. 886,640; May 5; Sp. p. 585; Dr. p. 122; Gaz. vol. 134; p. 103.
- Grindstone-frame, Folding. D. I. Sterling. No. 887,865; May 19; Sp. p. 3117; Dr. pp. 653-4; Gaz. vol. 134; p. 563.
- Grip-clutch mechanism. M. W. O'Brien. No. 887,114; May 12; Sp. p. 1547; Dr. p. 327; Gaz. vol. 134; p. 284.
- Grip, Tramway-bucket. C. A. Case. No. 904,178; Nov. 17; Sp. p. 3359; Gaz. vol. 137; p. 605.
- Gripping device. O. E. McMahon. No. 880,090; Feb. 25; Sp. p. 4546; Dr. p. 957; Gaz. vol. 132; p. 1673.
- Grooving or routing tool. J. M. Massey. No. 882,331; Mar. 17; Sp. p. 3688; Dr. p. 782; Gaz. vol. 133; p. 665.
- Ground-connection clamp. W. H. Blood, Jr. No. 879,940; Feb. 25; Sp. p. 4254; Dr. p. 889; Gaz. vol. 132; p. 1625.
- Ground-detector. J. C. Lawler. No. 880,544; Mar. 3; Sp. p. 98; Dr. p. 22; Gaz. vol. 133; p. 21.
- Grubber, Grass-. C. W. Stark. No. 892,910; July 7; Sp. p. 1053; Dr. pp. 220-1; Gaz. vol. 135; p. 174.
- Guano-distributor. G. H. Jernigan. No. 888,812; May 26; Sp. p. 5024; Dr. p. 1071; Gaz. vol. 134; p. 903.
- Guard device. A. S. Josephs. No. 878,069; Feb. 4; Sp. p. 262; Dr. p. 74; Gaz. vol. 132; p. 906.
- Guarded knife. N. Hughes. No. 893,588; July 14; Sp. p. 2460; Dr. p. 512; Gaz. vol. 135; p. 425.
- Guide. J. R. Mitchell. No. 906,543; Dec. 15; Sp. p. 2769; Gaz. vol. 137; p. 1503.
- Guide-lubricator. J. H. Rush. No. 884,957; Apr. 14; Sp. p. 2633; Dr. p. 557; Gaz. vol. 133; p. 1639.
- Guitar-bridge. J. De Julio. No. 897,964; Sept. 8; Sp. p. 1512; Dr. p. 321; Gaz. vol. 136; p. 267.
- Gum, Chewing-. J. D. Darling. No. 907,748; Dec. 29; Sp. p. 5192; Gaz. vol. 137; p. 1959.
- Gum-liquid coating to covers, Machine for applying. J. Schöning. No. 894,540; July 28; Sp. p. 4505; Dr. pp. 934-5; Gaz. vol. 135; p. 789.
- Gum, Production of a soluble. F. Fritsche. No. 900,274; Oct. 6; Sp. p. 438; Gaz. vol. 136; p. 1140.
- Gum wrapper, Chewing-. C. B. Davis. No. 884,800; Apr. 14; Sp. p. 2331; Dr. p. 490; Gaz. vol. 133; p. 1591.
- Gum-wrapping machine. H. Y. Armstrong. No. 890,953; June 16; Sp. p. 3590; Dr. pp. 782-4; Gaz. vol. 134; p. 1689.
- Gums of certain sapotaceæ, Substance produced from the. M. M. Dessau. No. 886,482; May 5; Sp. p. 278; Gaz. vol. 134; p. 51.
- Gums, Rubbing apparatus for the. L. J. F. Nicolai. No. 877,585; Jan. 28; Sp. p. 3111; Dr. p. 846; Gaz. vol. 132; p. 722.
- Gumming machine, Blank-. P. S. Smith. No. 890,309; June 9; Sp. p. 2267; Dr. p. 500; Gaz. vol. 134; p. 1447.
- Gun. W. F. Markham and E. S. Roe. No. 880,555; Mar. 3; Sp. p. 122; Dr. p. 27; Gaz. vol. 133; p. 25.
- Gun. J. Becker. No. 886,576; May 5; Sp. p. 485; Dr. p. 98; Gaz. vol. 134; p. 84.
- Gun. O. H. Peak. No. 890,702; June 16; Sp. p. 3051; Dr. p. 670; Gaz. vol. 134; p. 1607.
- Gun. B. W. Punches. No. 894,530; July 28; Sp. p. 4488; Dr. p. 930; Gaz. vol. 135; p. 786.
- Gun. B. W. Punches. No. 894,531; July 28; Sp. p. 4491; Dr. pp. 930-1; Gaz. vol. 135; p. 786.
- Gun, Air-. D. F. Polley. No. 878,560; Feb. 11; Sp. p. 1430; Dr. p. 292; Gaz. vol. 132; p. 1103.
- Gun, Air-. A. H. M. Driver and G. Norman. No. 891,211; June 16; Sp. p. 4087; Dr. p. 897; Gaz. vol. 134; p. 1773.
- Gun, Air-. B. B. Bennett. No. 897,813; Sept. 1; Sp. p. 1163; Dr. p. 248; Gaz. vol. 136; p. 185.
- Gun, Air-. E. C. Hough. No. 903,092; Nov. 3; Sp. p. 1120; Gaz. vol. 137; p. 183.
- Gun, Air-. W. J. Burrows. No. 904,507; Nov. 24; Sp. p. 4062; Gaz. vol. 137; p. 741.
- Gun and projectile launcher. J. H. Brown. No. 895,154; Aug. 4; Sp. p. 751; Dr. p. 156; Gaz. vol. 135; p. 1019.
- Gun attachment. G. Szemerey. No. 839,644; June 2; Sp. p. 885; Dr. p. 203; Gaz. vol. 134; p. 1203.
- Gun-barrel sight. J. S. Rigelow, Jr., and J. M. Sears. No. 908,198; Dec. 29; Sp. p. 6156; Gaz. vol. 137; p. 2109.
- Gun, Breech-loading. G. W. Parry. No. 893,866; July 21; Sp. p. 3109; Dr. pp. 637-8; Gaz. vol. 135; p. 547.
- Gun carriage, Field-. A. T. Dawson and G. T. Buckham. No. 878,359; Feb. 4; Sp. p. 942; Dr. pp. 188-9; Gaz. vol. 132; p. 1002.
- Gun-carriage for recoiling guns. C. P. E. Schneider and E. Rimailho. No. 877,521; Jan. 28; Sp. p. 3771; Dr. p. 816; Gaz. vol. 132; p. 702.
- Gun chain rammer. O. Knoch. No. 904,966; Nov. 24; Sp. p. 5018; Gaz. vol. 137; p. 895.
- Gun-cleaner. D. W. Landes. No. 876,276; Jan. 7; Sp. p. 1155; Dr. p. 251; Gaz. vol. 132; p. 194.
- Gun-cleaner. E. W. O. Kauffman. No. 877,778; Jan. 28; Sp. p. 4263; Dr. p. 926; Gaz. vol. 132; p. 783.
- Gun-cleaner. O. P. Ward. No. 882,598; Mar. 24; Sp. p. 4186; Dr. p. 888; Gaz. vol. 133; p. 784.
- Gun-cleaner. G. A. Swazey. No. 883,986; Apr. 7; Sp. p. 647; Dr. p. 130; Gaz. vol. 133; p. 1295.
- Gun-cleaner. E. F. Fletcher. No. 904,122; Nov. 17; Sp. p. 3219; Gaz. vol. 137; p. 584.
- Gun-cleaning rod. B. E. Clement. No. 886,188; Apr. 28; Sp. p. 5174; Dr. p. 1089; Gaz. vol. 133; p. 2101.
- Gun-cleaning rod. H. B. Bass. No. 889,890; June 9; Sp. p. 1383; Dr. p. 314; Gaz. vol. 134; p. 1307.
- Gun-closure locking device. M. Hermsdorf. No. 896,636; Aug. 18; Sp. p. 3681; Dr. p. 790; Gaz. vol. 135; p. 1546.
- Gun-closure safety device. M. Hermsdorf. No. 891,837; June 30; Sp. p. 5412; Dr. p. 1170; Gaz. vol. 134; p. 2044.
- Gun control, Electrically-operated. J. B. Ryan. No. 906,939; Dec. 15; Sp. p. 3521; Gaz. vol. 137; p. 1627.
- Gun firing mechanism. J. R. Blocker. No. 895,947; Aug. 11; Sp. p. 2340; Dr. pp. 501-2; Gaz. vol. 135; p. 1303.
- Gun fluid-brake, Recoil-. F. Stock. No. 905,112; Nov. 24; Sp. p. 5501; Gaz. vol. 137; p. 944.
- Gun, Gas-operated. W. Mason. No. 877,657; Jan. 28; Sp. p. 4040; Dr. pp. 872-4; Gaz. vol. 132; p. 745.
- Gun, Gas-operated. W. Mason. No. 885,166; Apr. 21; Sp. p. 3083; Dr. pp. 648-9; Gaz. vol. 133; p. 1739.
- Gun hinge-pin, Breech-loading-. N. J. A. Fyrborg. No. 891,832; June 30; Sp. p. 5404; Dr. p. 1168; Gaz. vol. 134; p. 2043.
- Gun loading mechanism. J. F. Meigs and R. P. Stout. No. 895,481; Aug. 11; Sp. p. 1423; Dr. p. 298; Gaz. vol. 135; p. 1152.
- Gun-lock. A. J. Aubrey. No. 902,639; Nov. 3; Sp. p. 217; Gaz. vol. 137; p. 36.
- Gun magazine-tube, Air-. W. A. Heilprin. No. 906,420; Dec. 8; Sp. p. 2534; Gaz. vol. 137; p. 1436.
- Gun parts, Mechanism for interlocking. J. F. Beck, Sr. No. 883,680; Mar. 31; Sp. p. 6388; Dr. p. 1362; Gaz. vol. 133; p. 1165.
- Gun-pointing attachment. M. H. Gardner. No. 896,099; Aug. 18; Sp. p. 2635; Dr. p. 570; Gaz. vol. 135; p. 1374.
- Gun, Quick-firing. H. Otto. No. 889,037; May 26; Sp. p. 5460; Dr. pp. 1160-1; Gaz. vol. 134; p. 975.
- Gun-rammers, Automatic means for controlling movements of. J. F. Meigs and R. P. Stout. No. 900,755; Oct. 13; Sp. p. 1451; Dr. pp. 295-6; Gaz. vol. 136; p. 1324.
- Gun-recoil brake. E. J. Mead. No. 900,943; Oct. 13; Sp. p. 1863; Dr. p. 379; Gaz. vol. 136; p. 1385.
- Gun-rest. J. Jeranek. No. 879,052; Feb. 11; Sp. p. 2372; Dr. p. 496; Gaz. vol. 132; p. 1260.
- Gun-rest, Folding. S. L. Burnaugh, Jr. No. 889,658; June 2; Sp. p. 907; Dr. pp. 210-11; Gaz. vol. 134; p. 1207.
- Gun, Safety-. O. E. Scott. No. 901,043; Oct. 13; Sp. p. 2053; Dr. p. 417; Gaz. vol. 136; p. 1418.
- Gun-sight. J. Y. Bassell and F. C. Blenkner. No. 886,752; May 5; Sp. p. 855; Dr. p. 177; Gaz. vol. 134; p. 142.
- Gun-sight. F. Hendrickson. No. 890,980; June 16; Sp. p. 3659; Dr. p. 797; Gaz. vol. 134; p. 1699.
- Gun-sight. D. B. Harris. No. 891,063; June 16; Sp. p. 3809; Dr. p. 831; Gaz. vol. 134; p. 1726.
- Gun-sight. C. T. Foss. No. 892,240; June 30; Sp. p. 6186; Dr. p. 1333; Gaz. vol. 134; p. 2176.
- Gun-sight. F. L. Putney. No. 893,751; July 21; Sp. p. 2873; Dr. p. 590; Gaz. vol. 135; p. 510.
- Gun-sight. J. F. Meigs and H. G. Jakobsson. No. 895,482; Aug. 11; Sp. p. 1425; Dr. pp. 298-9; Gaz. vol. 135; p. 1153.
- Gun-sight. J. Y. Bassell and F. C. Blenkner. No. 899,020; Sept. 22; Sp. p. 3524; Dr. p. 754; Gaz. vol. 136; p. 666.
- Gun-sight, Adjustable. L. C. Bevier. No. 878,857; Feb. 11; Sp. p. 2022; Dr. p. 417; Gaz. vol. 132; p. 1199.
- Gun sighting apparatus. O. Grauhering. No. 891,836; June 30; Sp. p. 5411; Dr. pp. 1169-70; Gaz. vol. 134; p. 2044.
- Gun-sighting apparatus. A. T. Dawson and G. T. Buckham. No. 899,207; Sept. 22; Sp. p. 3885; Dr. p. 830; Gaz. vol. 136; p. 727.
- Gun-sighting apparatus. A. T. Dawson and G. T. Buckham. No. 905,798; Dec. 1; Sp. p. 1350; Gaz. vol. 137; p. 1205.
- Gun, Single-trigger double-barrel. E. M. Funk. No. 893,839; July 21; Sp. p. 3057; Dr. p. 624; Gaz. vol. 135; p. 539.
- Gun, Single-trigger double-barrel. E. M. Funk. No. 893,840; July 21; Sp. p. 3060; Dr. p. 625; Gaz. vol. 135; p. 539.
- Gun single-trigger mechanism. R. F. MacMichael. No. 894,451; July 28; Sp. p. 4346; Dr. pp. 895-6; Gaz. vol. 135; p. 762.
- Gun-stock. R. H. Julien. No. 886,131; Apr. 28; Sp. p. 5082; Dr. p. 1066; Gaz. vol. 133; p. 2083.
- Gun-stock. F. Balson. No. 894,101; July 21; Sp. p. 3587; Dr. p. 739; Gaz. vol. 135; p. 626.
- Gun, Trap-. C. D. Lovelace. No. 882,786; Mar. 24; Sp. p. 4549; Dr. pp. 971-2; Gaz. vol. 133; p. 845.
- Gun, Trap-. W. J. Wheeler. No. 898,023; Sept. 8; Sp. p. 1630; Dr. p. 347; Gaz. vol. 136; p. 286.
- Gun, Trap-. J. Ross. No. 905,104; Nov. 24; Sp. p. 5287; Gaz. vol. 137; p. 941.
- Gun, Trick-. E. De Moulins. No. 893,573; July 14; Sp. p. 2432; Dr. p. 506; Gaz. vol. 135; p. 420.
- Gun trigger mechanism, Machine-. K. Heilmann. No. 905,071; Nov. 24; Sp. p. 5205; Gaz. vol. 137; p. 929.
- Gun, Vaporic steam-. G. W. Browne. No. 902,707; Nov. 3; Sp. p. 350; Gaz. vol. 137; p. 59.
- Gun-wad. W. L. Myers. No. 890,686; June 16; Sp. p. 3021; Dr. p. 663; Gaz. vol. 134; p. 1602.
- Gun with recuperator-spring, Recoil-. H. Kanonenberg. No. 886,611; May 5; Sp. p. 532; Dr. p. 113; Gaz. vol. 134; p. 94.
- Gun with screw elevating mechanism and adjustable sight device. O. Grauhering. No. 886,598; May 5; Sp. p. 506; Dr. p. 108; Gaz. vol. 134; p. 91.

Alphabetical list of inventions—Continued.

- Guns, Adjustable tripod stand or mounting for automatic. A. T. Dawson and G. T. Buckham. No. 906,511; Dec. 15; Sp. p. 2714; Gaz. vol. 137; p. 1492.
- Guns, Apparatus for adjusting elevation of. G. A. Schoeller. No. 886,648; May 5; Sp. p. 606; Dr. p. 126; Gaz. vol. 134; p. 105.
- Guns, Brake mechanism for recoiling. A. T. Dawson and G. T. Buckham. No. 899,206; Sept. 22; Sp. p. 3882; Dr. p. 829; Gaz. vol. 136; p. 727.
- Guns, Breech appliance for. J. F. Meigs and H. G. Jakobsson. No. 900,754; Oct. 13; Sp. p. 1450; Dr. p. 295; Gaz. vol. 136; p. 1323.
- Guns, Breech-closing device for. A. Bobbert and H. Zeller. No. 886,929; May 5; Sp. p. 1181; Dr. pp. 248-9; Gaz. vol. 134; p. 195.
- Guns, Breech mechanism of. A. T. Dawson and G. T. Buckham. No. 898,840; Sept. 15; Sp. p. 3188; Dr. pp. 682-3; Gaz. vol. 136; p. 579.
- Guns, Chain rammer for. J. F. Meigs and R. P. Stout. No. 889,321; June 2; Sp. p. 250; Dr. p. 61; Gaz. vol. 134; p. 1099.
- Guns, Collimating-sight for heavy. E. L. Zalinski. No. 878,759; Feb. 11; Sp. p. 1832; Dr. pp. 378-9; Gaz. vol. 132; p. 1168.
- Guns, Combined frame and false barrel for. W. F. Markham and E. S. Roe. No. 876,370; Jan. 14; Sp. p. 1354; Dr. p. 295; Gaz. vol. 132; p. 256.
- Guns, Fluid-brake for recoil-. O. Lauber and N. Koch. No. 887,045; May 5; Sp. p. 1399; Dr. p. 297; Gaz. vol. 134; p. 233.
- Guns, Hinge-pin for breakdown. O. W. Ringqvist. No. 893,014; July 14; Sp. p. 1279; Dr. p. 269; Gaz. vol. 135; p. 238.
- Guns, Indicating and recording the aiming of. N. Pogolski. No. 906,924; Dec. 15; Sp. p. 3494; Gaz. vol. 137; p. 1623.
- Guns, Means to prevent erosion in. B. C. Winslow. No. 894,416; July 28; Sp. p. 4274; Dr. p. 882; Gaz. vol. 135; p. 749.
- Guns of small and medium caliber, Carriage for ships'. E. Schneider. No. 903,324; Nov. 10; Sp. p. 1569; Gaz. vol. 137; p. 289.
- Guns or the like to each other, Means for automatically indicating certain relative positions of. W. D. Kilroy. No. 889,852; June 2; Sp. p. 1233; Dr. pp. 294-5; Gaz. vol. 134; p. 1269.
- Guns, Pneumatic recuperator for recoil-. O. Lauber and N. Koch. No. 886,615; May 5; Sp. p. 536; Dr. p. 114; Gaz. vol. 134; p. 95.
- Guns, Pneumatic recuperator for recoil-. N. Koch. No. 904,967; Nov. 24; Sp. p. 5019; Gaz. vol. 137; p. 895.
- Guns, Recoil apparatus for. A. T. Dawson and G. T. Buckham. No. 897,821; Sept. 1; Sp. p. 1181; Dr. p. 250; Gaz. vol. 136; p. 187.
- Guns, Shell-retainer for breakdown. J. Singer. No. 890,186; June 9; Sp. p. 1994; Dr. p. 439; Gaz. vol. 134; p. 1407.
- Guns, Single-trigger attachment for double-barreled. A. D. Blanchard. No. 891,658; June 23; Sp. p. 5044; Dr. p. 1087; Gaz. vol. 134; p. 1953.
- Guns, Target and bullet-catcher for use with air-. W. Baker. No. 883,077; Mar. 24; Sp. p. 5127; Dr. p. 1094; Gaz. vol. 133; p. 941.
- Guns with recoiling barrels, Foundation for. K. Völler. No. 901,401; Oct. 20; Sp. p. 2792; Dr. pp. 568-9; Gaz. vol. 136; p. 1571.
- Guncotton charges, Manufacture of compressed-. J. A. Carter. No. 903,840; Nov. 17; Sp. p. 2631; Gaz. vol. 137; p. 488.
- Gutta-percha covers from rubber-cored golf-balls, Machine for removing the. E. G. Loomis. No. 895,650; Aug. 11; Sp. p. 1740; Dr. pp. 368-9; Gaz. vol. 135; p. 1207.
- Gutter. G. W. Schodde. No. 888,753; May 26; Sp. p. 4868; Dr. p. 1037; Gaz. vol. 134; p. 883.
- Gutters, Making. H. E. and H. K. White. No. 902,031; Oct. 27; Sp. p. 4118; Dr. p. 834; Gaz. vol. 136; p. 1806.
- Guy-clamp. F. B. Cook. No. 888,313; May 19; Sp. p. 3957; Dr. p. 833; Gaz. vol. 134; p. 707.
- Guy, stretcher, and clamp. G. F. Swortfeger. No. 889,490; June 2; Sp. p. 612; Dr. p. 143; Gaz. vol. 134; p. 1154.
- Gymnasium apparatus. F. Medart. No. 907,075; Dec. 15; Sp. p. 3761; Gaz. vol. 137; p. 1670.
- Gyrating machine, Self-balancing. G. W. and F. D. Combs. (Reissue.) No. 12,894; Dec. 15; Sp. p. 3841; Gaz. vol. 137; p. 1683.
- Gyrating machines, Means for facilitating the adjustment of balance-weights on. L. V. Rathbun. No. 883,827; Apr. 7; Sp. p. 313; Dr. p. 59; Gaz. vol. 133; p. 1242.
- Gyrator. J. M. Schutz. No. 900,313; Oct. 6; Sp. p. 515; Dr. pp. 107-8; Gaz. vol. 136; p. 1153.
- Gyratory crusher. C. L. Hathaway. No. 895,633; Aug. 11; Sp. p. 1710; Dr. p. 363; Gaz. vol. 135; p. 1201.
- Gyratory crusher. C. L. Hathaway. No. 895,634; Aug. 11; Sp. p. 1711; Dr. pp. 363-4; Gaz. vol. 135; p. 1201.
- Gyratory structure. G. W. Combs. No. 883,526; Mar. 31; Sp. p. 6086; Dr. p. 1295; Gaz. vol. 133; p. 1117.
- Gyroscope. H. Anschütz-Kaempfe. No. 877,034; Jan. 21; Sp. p. 2786; Dr. p. 602; Gaz. vol. 132; p. 520.
- Gyroscope top. A. B. Bly. No. 884,975; Apr. 14; Sp. p. 2669; Dr. p. 567; Gaz. vol. 133; p. 1644.
- Hacksaws, &c., Manufacture of. J. Neill. No. 907,167; Dec. 22; Sp. p. 3954; Gaz. vol. 137; p. 1735.
- Hair-crimper. J. F. Martin. No. 884,339; Apr. 7; Sp. p. 1346; Dr. p. 288; Gaz. vol. 133; p. 1409.
- Hair-crimper. A. Wilcox. No. 889,565; June 2; Sp. p. 746; Dr. p. 172; Gaz. vol. 134; p. 1177.
- Hair-crimper and curler. P. E. Oswald. No. 898,063; Sept. 8; Sp. p. 1708; Dr. p. 362; Gaz. vol. 136; p. 299.
- Hair-curler. W. F. Schacht. No. 876,402; Jan. 14; Sp. p. 1436; Dr. p. 308; Gaz. vol. 132; p. 267.
- Hair-curler. M. G. Decies. No. 905,799; Dec. 1; Sp. p. 1352; Gaz. vol. 137; p. 1206.
- Hair-cutting device. R. Campbell. No. 885,584; Apr. 21; Sp. p. 3935; Dr. p. 821; Gaz. vol. 133; p. 1872.
- Hair-dresser and trimmer. R. A. McDonald and J. Salter. No. 879,569; Feb. 18; Sp. p. 3444; Dr. p. 721; Gaz. vol. 132; p. 1470.
- Hair-drier. M. Thome. No. 897,675; Sept. 1; Sp. p. 878; Dr. p. 188; Gaz. vol. 136; p. 140.
- Hair-drying apparatus. E. Deslot. No. 890,267; June 9; Sp. p. 2186; Dr. p. 480; Gaz. vol. 134; p. 1433.
- Hair-drying comb. T. H. Furman. No. 899,038; Sept. 22; Sp. p. 3551; Dr. p. 760; Gaz. vol. 136; p. 671.
- Hair-drying device. G. Siegfried. No. 900,434; Oct. 6; Sp. p. 765; Dr. p. 158; Gaz. vol. 136; p. 1193.
- Hair-dyer. L. Stafford. No. 877,960; Feb. 4; Sp. p. 130; Dr. p. 29; Gaz. vol. 132; p. 871.
- Hair-pin. C. B. Wheeler. No. 887,365; May 12; Sp. p. 2100; Dr. p. 440; Gaz. vol. 134; p. 367.
- Hair-pin. G. W. Whitney. No. 887,885; May 19; Sp. p. 3162; Dr. p. 665; Gaz. vol. 134; p. 569.
- Hair-pin. J. K. Hackett. No. 889,923; June 9; Sp. p. 1447; Dr. p. 326; Gaz. vol. 134; p. 1318.
- Hair-pin. A. J. Paris. No. 903,760; Nov. 10; Sp. p. 2447; Gaz. vol. 137; p. 428.
- Hair-pin attachment. C. Hartman. No. 878,386; Feb. 4; Sp. p. 994; Dr. p. 200; Gaz. vol. 132; p. 1011.
- Hair-pin holder, Sanitary. B. E. Stephens. No. 897,672; Sept. 1; Sp. p. 874; Dr. p. 187; Gaz. vol. 136; p. 139.
- Hair-retaining comb. W. B. Fisk. No. 899,162; Sept. 22; Sp. p. 3801; Dr. p. 813; Gaz. vol. 136; p. 713.
- Hair-ribbon holder. M. L. Schwab. No. 904,566; Nov. 24; Sp. p. 4183; Gaz. vol. 137; p. 762.
- Hair-roll. R. H. Damon. No. 889,873; June 2; Sp. p. 1331; Dr. p. 304; Gaz. vol. 134; p. 1276.
- Hair-roll. T. P. Taylor. No. 894,762; July 28; Sp. p. 4933; Dr. p. 1027; Gaz. vol. 135; p. 861.
- Hair-roll. J. Wilcox. No. 901,763; Oct. 20; Sp. p. 3570; Dr. p. 723; Gaz. vol. 136; p. 1690.
- Hair-roll. T. P. Taylor. No. 902,775; Nov. 3; Sp. p. 467; Gaz. vol. 137; p. 81.
- Hair-roll. R. H. Damon. No. 904,411; Nov. 17; Sp. p. 3839; Gaz. vol. 137; p. 682.
- Hair-roll. M. B. Hammond. No. 906,795; Dec. 15; Sp. p. 3239; Gaz. vol. 137; p. 1581.
- Hair-roll, Aseptic. L. E. and M. M. Renth. No. 894,462; July 28; Sp. p. 4366; Dr. p. 900; Gaz. vol. 135; p. 765.
- Hair-spring gage, Watchmaker's. E. Clark. No. 878,346; Feb. 4; Sp. p. 923; Dr. p. 184; Gaz. vol. 132; p. 998.
- Hair-tonic. F. J. Pieper. No. 879,191; Feb. 18; Sp. p. 2674; Gaz. vol. 132; p. 1346.
- Hair-tonic. A. and J. Newcom. No. 885,073; Apr. 21; Sp. p. 2868; Gaz. vol. 133; p. 1709.
- Hair-tonic. S. R. Mackay. No. 896,647; Aug. 18; Sp. p. 3698; Gaz. vol. 135; p. 1549.
- Hair-waver. F. W. Lowe. No. 876,569; Jan. 14; Sp. p. 1806; Dr. p. 394; Gaz. vol. 132; p. 325.
- Hair-waver. J. H. and I. Taylor. No. 897,323; Sept. 1; Sp. p. 135; Dr. p. 28; Gaz. vol. 136; p. 21.
- Haircloth fabric. G. S. Cox. No. 890,611; June 16; Sp. p. 2864; Dr. p. 631; Gaz. vol. 134; p. 1577.
- Half-tone cuts, Making. M. C. Cochran. No. 878,505; Feb. 11; Sp. p. 1311; Gaz. vol. 132; p. 1084.
- Hall-rack. F. M. Dale. No. 880,283; Feb. 25; Sp. p. 4947; Dr. p. 1045; Gaz. vol. 132; p. 1737.
- Halter. J. Spangenberg. No. 887,862; May 19; Sp. p. 3113; Dr. p. 653; Gaz. vol. 134; p. 562.
- Halter. J. Hegland. No. 891,253; June 23; Sp. p. 4185; Dr. p. 916; Gaz. vol. 134; p. 1819.
- Halter. C. W. Schreiter. No. 896,164; Aug. 18; Sp. p. 2744; Dr. p. 591; Gaz. vol. 135; p. 1393.
- Halter. T. W. Weber. No. 897,329; Sept. 1; Sp. p. 154; Dr. p. 31; Gaz. vol. 136; p. 24.
- Halter. W. S. Farrar. No. 904,321; Nov. 17; Sp. p. 3680; Gaz. vol. 137; p. 654.
- Halter or head-stall for brachy stock, &c. J. M. Atterbury. No. 890,834; June 16; Sp. p. 3338; Dr. p. 731; Gaz. vol. 134; p. 1651.
- Halter-rope. H. A. Mett. No. 889,707; June 2; Sp. p. 1020; Dr. p. 236; Gaz. vol. 134; p. 1222.
- Halter, Rope. C. Walker. No. 897,565; Sept. 1; Sp. p. 669; Dr. p. 140; Gaz. vol. 136; p. 105.
- Hame. K. O. Rue. No. 886,156; Apr. 28; Sp. p. 5119; Dr. pp. 1075-6; Gaz. vol. 133; p. 2090.
- Hame. C. E. Cameron. No. 904,306; Nov. 17; Sp. p. 3643; Gaz. vol. 137; p. 649.
- Hame, Adjustable. B. H. Stover. No. 887,146; May 12; Sp. p. 1598; Dr. p. 339; Gaz. vol. 134; p. 294.
- Hame and trace connector. W. C. Trask. No. 887,875; May 19; Sp. p. 3143; Dr. p. 661; Gaz. vol. 134; p. 566.
- Hame and trace connector. W. R. Brents and W. P. Gunn. No. 904,932; Nov. 24; Sp. p. 4956; Gaz. vol. 137; p. 884.
- Hame and trace connector. B. F. Wren. No. 906,353; Dec. 8; Sp. p. 2425; Gaz. vol. 137; p. 1416.
- Hame attachment. G. Siegenthaler. No. 902,845; Nov. 3; Sp. p. 636; Gaz. vol. 137; p. 106.
- Hame-clasp. A. Woodward. No. 885,124; Apr. 21; Sp. p. 2992; Dr. p. 631; Gaz. vol. 133; p. 1726.
- Hame-fastener. T. Pangburn. No. 878,557; Feb. 11; Sp. p. 1423; Dr. p. 291; Gaz. vol. 132; p. 1102.
- Hame-fastener. J. W. Gonce. No. 879,098; Feb. 11; Sp. p. 2478; Dr. p. 517; Gaz. vol. 132; p. 1274.
- Hame-fastener. A. B. Corcilus. No. 879,813; Feb. 18; Sp. p. 3931; Dr. p. 824; Gaz. vol. 132; p. 1549.
- Hame-fastener. G. A. Miller. No. 887,110; May 12; Sp. p. 1543; Dr. p. 326; Gaz. vol. 134; p. 283.

Alphabetical list of inventions—Continued.

- Hame-fastener. G. Ericson. No. 892,234; June 30; Sp. p. 6178; Dr. p. 1331; Gaz. vol. 134; p. 2174.
Hame-fastener. P. W. Napierala. No. 899,890; Sept. 29; Sp. p. 5270; Dr. p. 1127; Gaz. vol. 136; p. 984.
Hame-holder. P. F. Kreimer. No. 877,781; Jan. 28; Sp. p. 4267; Dr. p. 926; Gaz. vol. 132; p. 784.
Hame-hook. A. B. Rosson. No. 896,666; Aug. 18; Sp. p. 3733; Dr. p. 804; Gaz. vol. 135; p. 1555.
Hame-hook. J. F. Willis. No. 906,968; Dec. 8; Sp. p. 1679; Gaz. vol. 137; p. 1289.
Hame-strap. M. O'Brien. No. 877,728; Jan. 28; Sp. p. 4173; Dr. p. 904; Gaz. vol. 132; p. 767.
Hame-strap attachment. H. G. Spraker. No. 884,231; Apr. 7; Sp. p. 1156; Dr. p. 244; Gaz. vol. 133; p. 1375.
Hames, Manufacturing. J. M. Masteller. No. 896,651; Aug. 18; Sp. p. 3705; Dr. p. 797; Gaz. vol. 135; p. 1550.
Hammer. J. G. Evans. No. 905,676; Dec. 1; Sp. p. 1112; Gaz. vol. 137; p. 1164.
Hammer and screw-driver, Combined. A. J. Zimmermann. No. 875,880; Jan. 7; Sp. p. 378; Dr. p. 83; Gaz. vol. 132; p. 70.
Hammer, Bush-. A. Pinel. No. 878,539; Feb. 11; Sp. p. 1428; Dr. p. 292; Gaz. vol. 132; p. 1102.
Hammer-crusher. J. L. Hiller and G. W. Barton. No. 896,019; Aug. 11; Sp. p. 2490; Dr. pp. 538-9; Gaz. vol. 135; p. 1326.
Hammer-drill. A. H. Taylor. No. 898,702; Sept. 15; Sp. p. 2941; Dr. p. 630; Gaz. vol. 136; p. 535.
Hammer-drills, Drill-hole-cleaning attachment for. D. S. Waugh. No. 907,430; Dec. 22; Sp. p. 4509; Gaz. vol. 137; p. 1826.
Hammer, Drop-. W. T. Sears. No. 882,588; Mar. 24; Sp. p. 4166; Dr. pp. 883-4; Gaz. vol. 133; p. 780.
Hammer, Drop-. A. A. Ambler. No. 893,561; July 14; Sp. p. 2389; Dr. pp. 500-1; Gaz. vol. 135; p. 416.
Hammer, Foot-power. A. H. Wertz. No. 884,786; Apr. 14; Sp. p. 2311; Dr. p. 486; Gaz. vol. 133; p. 1587.
Hammer frame, Power-. L. J. Clossey. No. 882,492; Mar. 17; Sp. p. 3955; Dr. pp. 845-6; Gaz. vol. 133; p. 716.
Hammer, Magazine tack-. N. M. Purviance. No. 897,399; Sept. 1; Sp. p. 327; Dr. p. 69; Gaz. vol. 136; p. 50.
Hammer or the like. A. G. Lundin. No. 905,198; Dec. 1; Sp. p. 158; Gaz. vol. 137; p. 1008.
Hammer, Pneumatic. J. Keller. No. 879,106; Feb. 11; Sp. p. 2494; Dr. p. 519; Gaz. vol. 132; p. 1276.
Hammer, Pneumatic. M. Hardsocg. No. 884,151; Apr. 7; Sp. p. 1019; Dr. p. 213; Gaz. vol. 133; p. 1349.
Hammer, Pneumatic. M. Hardsocg. No. 884,152; Apr. 7; Sp. p. 1023; Dr. p. 213; Gaz. vol. 133; p. 1349.
Hammer, Pneumatic. G. S. Wallin. No. 888,279; May 19; Sp. p. 3890; Dr. p. 820; Gaz. vol. 134; p. 696.
Hammer, Pneumatic. J. Frederick. No. 891,831; June 30; Sp. p. 5401; Dr. p. 1168; Gaz. vol. 134; p. 2043.
Hammer, Pneumatic. J. Boyer. No. 897,958; Sept. 8; Sp. p. 1489; Dr. p. 317; Gaz. vol. 136; p. 265.
Hammer, Pneumatic. T. C. Prouty. No. 898,505; Sept. 15; Sp. p. 2549; Dr. p. 547; Gaz. vol. 136; p. 471.
Hammer, Pneumatic. C. R. Green. No. 905,692; Dec. 1; Sp. p. 1147; Gaz. vol. 137; p. 1169.
Hammer, Power-. G. E. Davis. No. 888,391; May 19; Sp. p. 4107; Dr. p. 867; Gaz. vol. 134; p. 731.
Hammer, Power-. J. O'Brien. No. 904,216; Nov. 17; Sp. p. 3437; Gaz. vol. 137; p. 618.
Hammer, Power-. J. W. Keeley. No. 904,701; Nov. 24; Sp. p. 4452; Gaz. vol. 137; p. 807.
Hammer, Vacuum power-. L. Golly. No. 887,388; May 12; Sp. p. 2167; Dr. p. 454; Gaz. vol. 134; p. 375.
Hammers, Friction-board for drop-forging. J. A. Burger. No. 901,779; Oct. 20; Sp. p. 3609; Dr. p. 731; Gaz. vol. 136; p. 1696.
Hammers, Nail-holding attachment for. J. S. Johnson. No. 903,095; Nov. 3; Sp. p. 1124; Gaz. vol. 137; p. 184.
Hammers, Safety-spring for steam and compressed-air. W. F. Walker. No. 877,357; Jan. 21; Sp. p. 3489; Dr. p. 757; Gaz. vol. 133; p. 636.
Hammock. E. C. Ince. No. 894,008; July 21; Sp. p. 3397; Dr. p. 695; Gaz. vol. 135; p. 594.
Hammock. T. W. Draper. No. 906,120; Dec. 8; Sp. p. 1983; Gaz. vol. 137; p. 1338.
Hammock, Berth-. W. E. McPherson. No. 894,849; Aug. 4; Sp. p. 90; Dr. p. 19; Gaz. vol. 135; p. 916.
Hammock-body. I. E. Palmer. No. 903,494; Nov. 10; Sp. p. 1923; Gaz. vol. 137; p. 346.
Hammock, Couch-. I. E. Palmer. No. 901,936; Oct. 20; Sp. p. 3895; Dr. p. 795; Gaz. vol. 136; p. 1746.
Hammock lift and turner, Invalid. J. J. Ellis. No. 885,299; Apr. 21; Sp. p. 3432; Dr. p. 716; Gaz. vol. 133; p. 1795.
Hammock-stand. H. M. Underwood. No. 879,221; Feb. 18; Sp. p. 2725; Dr. p. 568; Gaz. vol. 132; p. 1356.
Hammock-stand and awning. P. King. No. 902,087; Oct. 27; Sp. p. 4219; Dr. pp. 854-5; Gaz. vol. 136; p. 1824.
Hammock-support. J. Locke. No. 893,083; July 14; Sp. p. 1404; Dr. p. 297; Gaz. vol. 135; p. 260.
Hammock-support. M. J. Scanlan. No. 894,065; July 21; Sp. p. 3526; Dr. pp. 722-3; Gaz. vol. 135; p. 613.
Hammock-support, Folding. J. H. Emmert. No. 907,687; Dec. 22; Sp. p. 5080; Gaz. vol. 137; p. 1910.
Hand, Artificial. C. M. Broady. No. 879,360; Feb. 18; Sp. p. 2997; Dr. p. 627; Gaz. vol. 132; p. 1402.
Hand-bag. T. R. Weidemann. No. 905,034; Nov. 24; Sp. p. 5150; Gaz. vol. 137; p. 918.
Hand-bag or purse. J. Anthony. No. 876,128; Jan. 7; Sp. p. 869; Dr. p. 186; Gaz. vol. 132; p. 147.
Hand grasp, Compound for assisting in effecting a. A. T. Johnson. No. 892,844; July 7; Sp. p. 899; Gaz. vol. 135; p. 152.
Hand-hole closure. H. G. Osborne. No. 888,255; May 19; Sp. p. 3848; Dr. p. 808; Gaz. vol. 134; p. 689.
Hand-motor. R. H. Bowman. No. 906,685; Dec. 15; Sp. p. 3028; Gaz. vol. 137; p. 1546.
Hand-operating gate. J. O. Marks. No. 896,648; Aug. 18; Sp. p. 3699; Dr. p. 795; Gaz. vol. 135; p. 1549.
Hand-rest. W. Flattery. No. 890,132; June 9; Sp. p. 1875; Dr. p. 415; Gaz. vol. 134; p. 1389.
Hand-shears. A. Nicholson and I. T. Rude. No. 884,410; Apr. 14; Sp. p. 1496; Dr. p. 321; Gaz. vol. 133; p. 1462.
Hand-strap. J. S. Doyle. No. 887,235; May 12; Sp. p. 1788; Dr. p. 376; Gaz. vol. 134; p. 321.
Handkerchief-receptacle. J. Cave. No. 885,721; Apr. 28; Sp. p. 4222; Dr. pp. 883-4; Gaz. vol. 133; p. 1947.
Handle: See Bag-handle; Basket-handle; Bit-brace handle; Bottle-stopper handle; Box-handle; Brake-handle; Brush-handle; Casket-handle; Coffin-handle; Cooking-utensil handle; Crockery-handle; Cup-handle; Detachable handle; Dipper-handle; File-handle; Implement-handle; Key-handle; Knife-handle; Malleable handle; Mattress-handle; Pan-handle; Pump-handle; Rope handle; Saddle-handle; Saw-handle; Sheet-metal handle; Shock-handle; Shovel-handle; Tool-handle; Tool-chest handle; Tray-handle; Umbrella-handle; Valve-handle; Wire handle; Wrench-handle.
Handle. W. H. Kepple. No. 904,619; Nov. 24; Sp. p. 4276; Gaz. vol. 137; p. 779.
Handle attachment. F. S. Stoddard. No. 893,275; July 14; Sp. p. 1791; Dr. p. 376; Gaz. vol. 135; p. 323.
Handle-bar stem. F. L. Watters. No. 908,177; Dec. 29; Sp. p. 6082; Gaz. vol. 137; p. 2101.
Handle-brace. W. H. Coldwell. No. 878,867; Feb. 11; Sp. p. 2041; Dr. p. 421; Gaz. vol. 132; p. 1203.
Handle-fastener. M. F. Mohr. No. 895,389; Aug. 4; Sp. p. 1219; Dr. p. 257; Gaz. vol. 135; p. 1098.
Handle-fastening. A. E. Phillips. No. 885,286; Apr. 21; Sp. p. 3330; Dr. p. 695; Gaz. vol. 133; p. 1780.
Handle or drawer-pull. J. Assel. No. 893,295; July 14; Sp. p. 1829; Dr. p. 384; Gaz. vol. 135; p. 330.
Handle or drawer-pull. E. W. Bassick. No. 893,297; July 14; Sp. p. 1836; Dr. p. 385; Gaz. vol. 135; p. 330.
Handling express matter, &c., Apparatus for. C. M. Medairy. No. 894,452; July 28; Sp. p. 4350; Dr. p. 896; Gaz. vol. 135; p. 762.
Hanger: See Apparel-hanger; Bicycle crank-hanger; Boiler-hanger; Brake-beam hanger; Brake-lever hanger; Cable-hanger; Car-door hanger; Car-door rail-hanger; Clothes-hanger; Coat-hanger; Coat and adjustable skirt hanger; Coat and trousers hanger; Coat, hat, and umbrella hanger; Curtain-pole hanger; Door-hanger; Door and gate hanger; Eaves-trough hanger; Electric-wire hanger; Garment-hanger; Hat-hanger; Hog-hanger; Lamp-hanger; Meat-hanger; Pants or skirt hanger; Picture-hanger; Picture-hook hanger; Pipe-hanger; Plate-hanger; Pulley-sustaining hanger; Sash-hanger; Screen-hanger; Shade-hanger; Shade and curtain hanger; Shade and lace-curtain hanger; Shoe-hanger; Skirt and waist hanger; Stovepipe-hanger; Suit-hanger; Tobacco-hanger; Track-hanger; Trolley-wire hanger; Truck-bolster hanger; Twine or cord hanger; Vehicle-body hanger; Washline-hanger; Winding-machine bracket-hanger.
Hanger. E. L. Knab. No. 876,197; Jan. 7; Sp. p. 990; Dr. p. 215; Gaz. vol. 132; p. 168.
Hanger. J. J. Ronan and J. F. Barry. No. 894,057; July 21; Sp. p. 3516; Dr. p. 720; Gaz. vol. 135; p. 611.
Hanger. J. T. Mayer. No. 901,720; Oct. 20; Sp. p. 3492; Dr. p. 706; Gaz. vol. 136; p. 1677.
Hanger-blank, Metal. O. O. Kittleson. No. 876,195; Jan. 7; Sp. p. 986; Dr. p. 213; Gaz. vol. 132; p. 168.
Hanger-rack receptacle for clothing. W. S. Gilmore. No. 883,713; Apr. 7; Sp. p. 72; Dr. p. 11; Gaz. vol. 133; p. 1204.
Hardening apparatus. A. W. Machlet. No. 890,148; June 9; Sp. p. 1910; Dr. pp. 422-3; Gaz. vol. 134; p. 1394.
Harmonica. F. Strauss. No. 880,109; Feb. 25; Sp. p. 4578; Dr. p. 964; Gaz. vol. 132; p. 1679.
Harmonica. A. W. Anderson. No. 904,914; Nov. 24; Sp. p. 4909; Gaz. vol. 137; p. 877.
Harmonica, Mouth-. E. Koch. No. 887,402; May 12; Sp. p. 2199; Dr. p. 459; Gaz. vol. 134; p. 379.
Harmonica, Reed-. J. E. Murphy. No. 882,575; Mar. 24; Sp. p. 4142; Dr. p. 878; Gaz. vol. 133; p. 776.
Harness. A. M. Craig. No. 885,911; Apr. 28; Sp. p. 4602; Dr. p. 965; Gaz. vol. 133; p. 2010.
Harness. W. B. Hilton. No. 886,504; May 5; Sp. p. 324; Dr. p. 66; Gaz. vol. 134; p. 60.
Harness. E. B. Guerin. No. 895,365; Aug. 4; Sp. p. 1180; Dr. p. 248; Gaz. vol. 135; p. 1091.
Harness. A. Hauck. No. 902,876; Nov. 3; Sp. p. 703; Gaz. vol. 137; p. 117.
Harness. W. J. Holder. No. 894,696; Nov. 24; Sp. p. 4444; Gaz. vol. 137; p. 805.
Harness. G. K. Wenig. No. 906,973; Dec. 15; Sp. p. 3576; Gaz. vol. 137; p. 1637.
Harness. G. K. Wenig. No. 906,974; Dec. 15; Sp. p. 3577; Gaz. vol. 137; p. 1637.
Harness attachment. A. L. Lewis. No. 884,829; Apr. 14; Sp. p. 2380; Dr. p. 501; Gaz. vol. 133; p. 1601.
Harness attachment. O. Evertz. No. 890,972; June 16; Sp. p. 3641; Dr. p. 793; Gaz. vol. 134; p. 1697.
Harness attachment. G. W. Brown. No. 891,591; June 23; Sp. p. 4884; Dr. p. 1052; Gaz. vol. 134; p. 1929.
Harness attachment. E. A. Nelson. No. 901,990; Oct. 27; Sp. p. 4046; Dr. p. 820; Gaz. vol. 136; p. 1794.
Harness attachment. E. W. Hargiss. No. 907,042; Dec. 15; Sp. p. 3701; Gaz. vol. 137; p. 1659.
Harness-buckle. R. Warren. No. 905,775; Dec. 1; Sp. p. 1309; Gaz. vol. 137; p. 1198.

Alphabetical list of inventions—Continued.

- Harness-check. W. C. and H. A. Mitchell. No. 906,907; Dec. 15; Sp. p. 3462; Gaz. vol. 137; p. 1617.
- Harness-coupling. T. V. Wallace. No. 903,639; Nov. 10; Sp. p. 2220; Gaz. vol. 137; p. 392.
- Harness, Crupper-fastener for. J. E. Varnum. No. 899,576; Sept. 29; Sp. p. 4612; Dr. p. 991; Gaz. vol. 136; p. 883.
- Harness driving-rein attachment. Double-. J. Sutherland. No. 903,619; Nov. 10; Sp. p. 2184; Gaz. vol. 137; p. 386.
- Harness-fitting. W. H. Ferris. No. 882,459; Mar. 17; Sp. p. 3903; Dr. p. 835; Gaz. vol. 133; p. 706.
- Harness for horse-training. H. Rasmussen. No. 882,584; Mar. 24; Sp. p. 4159; Dr. p. 882; Gaz. vol. 133; p. 779.
- Harness-holdback. H. I. Persels. No. 906,156; Dec. 8; Sp. p. 2049; Gaz. vol. 137; p. 1351.
- Harness-hook. H. Greenland. No. 878,380; Feb. 4; Sp. p. 986; Dr. p. 199; Gaz. vol. 132; p. 1009.
- Harness, Horse-. J. Caubert. No. 896,621; Aug. 18; Sp. p. 3653; Dr. p. 784; Gaz. vol. 135; p. 1542.
- Harness-loop. A. W. Kreuter. No. 895,376; Aug. 4; Sp. p. 1195; Dr. p. 251; Gaz. vol. 133; p. 1094.
- Harness-loop former. O. O. Harris. No. 892,722; July 7; Sp. p. 646; Dr. p. 137; Gaz. vol. 135; p. 112.
- Harness-pad. E. J. Koch. No. 897,629; Sept. 1; Sp. p. 793; Dr. p. 167; Gaz. vol. 136; p. 126.
- Harness-rossette. E. A. Pfeuger. No. 878,893; Feb. 11; Sp. p. 2093; Dr. p. 435; Gaz. vol. 132; p. 1211.
- Harness, Shoeing-. W. M. Clement. No. 878,347; Feb. 4; Sp. p. 924; Dr. p. 184; Gaz. vol. 132; p. 998.
- Harness-support, Detachable. O. M. Carleton. No. 890,123; June 9; Sp. p. 1857; Dr. p. 409; Gaz. vol. 134; p. 1386.
- Harness-swing. J. B. Reno. No. 883,238; Mar. 31; Sp. p. 5477; Dr. p. 1167; Gaz. vol. 133; p. 1025.
- Harp. J. P. Gannon. No. 893,619; July 21; Sp. p. 2525; Dr. p. 520; Gaz. vol. 135; p. 465.
- Harrow. R. A. Koeller. No. 875,827; Jan. 7; Sp. p. 282; Dr. p. 61; Gaz. vol. 132; p. 52.
- Harrow. W. A. Preston. No. 877,452; Jan. 21; Sp. p. 3615; Dr. p. 782; Gaz. vol. 132; p. 657.
- Harrow. F. Hosford. No. 877,647; Jan. 28; Sp. p. 4024; Dr. p. 868; Gaz. vol. 132; p. 742.
- Harrow. F. W. Harrison. No. 880,301; Feb. 25; Sp. p. 4378; Dr. p. 1050; Gaz. vol. 132; p. 1744.
- Harrow. W. Hyre. No. 880,903; Mar. 3; Sp. p. 1019; Dr. pp. 219-20; Gaz. vol. 133; p. 174.
- Harrow. G. H. Wells. No. 883,436; Mar. 31; Sp. p. 5908; Dr. p. 1261; Gaz. vol. 133; p. 1090.
- Harrow. E. Swope. No. 883,586; Mar. 31; Sp. p. 6200; Dr. p. 1321; Gaz. vol. 133; p. 1135.
- Harrow. L. F. Wheelless. No. 887,164; May 12; Sp. p. 1625; Dr. p. 345; Gaz. vol. 134; p. 299.
- Harrow. C. Washington. No. 895,217; Aug. 4; Sp. p. 887; Dr. p. 185; Gaz. vol. 135; p. 1042.
- Harrow. J. E. Robinson. No. 897,150; Aug. 25; Sp. p. 4793; Dr. p. 1020; Gaz. vol. 135; p. 1740.
- Harrow. E. S. Kinkade. No. 897,905; Sept. 8; Sp. p. 1364; Dr. p. 293; Gaz. vol. 136; p. 247.
- Harrow. F. R. Sosa. No. 898,695; Sept. 15; Sp. p. 2932; Dr. pp. 627-8; Gaz. vol. 136; p. 533.
- Harrow. J. D. McMillan. No. 900,116; Oct. 6; Sp. p. 91; Dr. p. 19; Gaz. vol. 136; p. 1088.
- Harrow. C. E. Trease. No. 900,133; Oct. 6; Sp. p. 131; Dr. p. 27; Gaz. vol. 136; p. 1093.
- Harrow. A. E. Diesem. No. 902,279; Oct. 27; Sp. p. 4615; Dr. p. 938; Gaz. vol. 136; p. 1886.
- Harrow. W. D. Young. No. 903,651; Nov. 10; Sp. p. 2239; Gaz. vol. 137; p. 396.
- Harrow. J. M. and W. J. Glick. No. 904,864; Nov. 24; Sp. p. 4818; Gaz. vol. 137; p. 862.
- Harrow. A. L. Johnson and J. Sturrock. No. 908,104; Dec. 29; Sp. p. 5930; Gaz. vol. 137; p. 2077.
- Harrow and cultivating implement. S. T. Sherrill. No. 885,535; Apr. 21; Sp. p. 3847; Dr. p. 804; Gaz. vol. 133; p. 1859.
- Harrow and land-roller, Combined disk. L. L. Jackson. No. 887,810; May 19; Sp. p. 3005; Dr. p. 632; Gaz. vol. 134; p. 545.
- Harrow and plow, Combined. B. F. Applin. No. 884,348; Apr. 7; Sp. p. 1368; Dr. p. 292; Gaz. vol. 133; p. 1411.
- Harrow and roller, Combined. A. Hayes. No. 884,658; Apr. 14; Sp. p. 2044; Dr. p. 436; Gaz. vol. 133; p. 1542.
- Harrow and weeder, Disk. F. Buchet and E. A. Mullinix. No. 876,145; Jan. 7; Sp. p. 909; Dr. p. 194; Gaz. vol. 132; p. 155.
- Harrow attachment. J. F. Brownlee. No. 904,754; Nov. 24; Sp. p. 4563; Gaz. vol. 137; p. 824.
- Harrow, Combined spring and spike tooth. J. R. Naylor. No. 901,118; Oct. 13; Sp. p. 2194; Dr. p. 446; Gaz. vol. 136; p. 1441.
- Harrow, Disk. D. W. Warner. No. 877,685; Jan. 28; Sp. p. 4104; Dr. p. 888; Gaz. vol. 132; p. 754.
- Harrow, Disk. L. E. Waterman. No. 880,343; Mar. 3; Sp. p. 732; Dr. p. 155; Gaz. vol. 133; p. 124.
- Harrow, Disk. C. S. Sharp. No. 882,589; Mar. 24; Sp. p. 4168; Dr. p. 884; Gaz. vol. 133; p. 781.
- Harrow, Disk. R. S. Wells. No. 893,682; July 21; Sp. p. 2643; Dr. p. 554; Gaz. vol. 135; p. 486.
- Harrow, Disk. J. Macphail. No. 897,216; Aug. 25; Sp. p. 4900; Dr. p. 1044; Gaz. vol. 135; p. 1760.
- Harrow, Disk. W. H. Cole. No. 906,692; Dec. 15; Sp. p. 3045; Gaz. vol. 137; p. 1548.
- Harrow-disk, Skeleton. E. M. Kramer. No. 907,509; Dec. 22; Sp. p. 4661; Gaz. vol. 137; p. 1851.
- Harrow, Foldable and adjustable. Z. M. Lindley. No. 901,015; Oct. 13; Sp. p. 2006; Dr. p. 407; Gaz. vol. 136; p. 1409.
- Harrow, Gang disk. H. Christensen. No. 894,188; July 28; Sp. p. 3784; Dr. p. 784; Gaz. vol. 135; p. 673.
- Harrow, Reversible disk. W. S. Graham and F. L. Dewey. No. 875,805; Jan. 7; Sp. p. 244; Dr. pp. 52-3; Gaz. vol. 132; p. 45.
- Harrow riding attachment. A. Peterson. No. 876,230; Jan. 7; Sp. p. 1059; Dr. pp. 228-9; Gaz. vol. 132; p. 179.
- Harrow riding attachment. T. C. Tobin. No. 876,748; Jan. 14; Sp. p. 2170; Dr. p. 476; Gaz. vol. 132; p. 384.
- Harrow riding attachment. C. S. Sharp. No. 879,332; Feb. 18; Sp. p. 2942; Dr. pp. 613-14; Gaz. vol. 132; p. 1393.
- Harrow riding attachment. S. E. Johnson. No. 888,813; May 26; Sp. p. 5025; Dr. pp. 1071-2; Gaz. vol. 134; p. 903.
- Harrow riding attachment. W. B. Hazard. No. 902,879; Nov. 3; Sp. p. 707; Gaz. vol. 137; p. 117.
- Harrow riding attachment. C. S. Sharp. No. 907,185; Dec. 22; Sp. p. 3997; Gaz. vol. 137; p. 1741.
- Harrow, Spring-tooth. L. M. Piester. No. 889,259; June 2; Sp. p. 127; Dr. p. 31; Gaz. vol. 134; p. 1079.
- Harrow, Sulky-. G. W. Ferguson. No. 893,914; July 21; Sp. p. 3203; Dr. pp. 659-60; Gaz. vol. 135; p. 563.
- Harrow tongue-support, Disk-. L. A. Buckley and E. W. Stevenson. No. 890,959; June 16; Sp. p. 3614; Dr. p. 786; Gaz. vol. 134; p. 1692.
- Harrow tongue-truck, Disk-. M. W. Kouns. No. 889,933; June 9; Sp. p. 1460; Dr. p. 330; Gaz. vol. 134; p. 1321.
- Harrow truck, Disk-. F. N. Steele. No. 889,057; May 26; Sp. p. 5496; Dr. p. 1168; Gaz. vol. 134; p. 982.
- Harrows and the like, Antitwisting draft means for. J. W. Rice and J. Fulton. No. 891,953; June 30; Sp. p. 5659; Dr. p. 1218; Gaz. vol. 134; p. 2084.
- Harrows and the like, Seat for. M. Buzard. No. 897,059; Aug. 25; Sp. p. 4626; Dr. p. 985; Gaz. vol. 135; p. 1711.
- Harrows, Ac., Clamp for fastening teeth of. C. La Dow. No. 895,475; Aug. 11; Sp. p. 1412; Dr. p. 296; Gaz. vol. 135; p. 1150.
- Harrows, Safety-shield for disk. C. E. McMillan. No. 902,437; Oct. 27; Sp. p. 4962; Dr. p. 1002; Gaz. vol. 136; p. 1938.
- Harrows, Wheel-truck for disk. F. K. Lathrop. No. 903,585; Nov. 10; Sp. p. 2116; Gaz. vol. 137; p. 375.
- Harvester. F. Rump. No. 882,969; Mar. 24; Sp. p. 4934; Dr. p. 1047; Gaz. vol. 133; p. 907.
- Harvester. G. E. Shaw. No. 883,578; Mar. 31; Sp. p. 6188; Dr. p. 1318; Gaz. vol. 133; p. 1133.
- Harvester. G. W. Ingersoll. No. 886,703; May 5; Sp. p. 738; Dr. pp. 151-2; Gaz. vol. 134; p. 125.
- Harvester. C. F. Blakeslee. No. 899,944; Sept. 29; Sp. p. 5394; Dr. p. 1151; Gaz. vol. 136; p. 1001.
- Harvester, agricultural engine, and truck, Self-propelling combined. F. L. Kincaid and H. T. Preble. No. 900,389; Oct. 6; Sp. p. 668; Dr. pp. 137-8; Gaz. vol. 136; p. 1177.
- Harvester and binder tongue-truck. J. Flaig. No. 882,820; Mar. 24; Sp. p. 4626; Dr. p. 986; Gaz. vol. 133; p. 857.
- Harvester and husker, Combined corn. F. A. Ingersoll. No. 876,189; Jan. 7; Sp. p. 974; Dr. pp. 210-11; Gaz. vol. 132; p. 166.
- Harvester and husker, Combined corn. J. L. Allender. No. 883,073; Mar. 24; Sp. p. 5120; Dr. pp. 1092-3; Gaz. vol. 133; p. 939.
- Harvester and husker, Corn. I. J. Ball. No. 882,734; Mar. 24; Sp. p. 4457; Dr. pp. 948-9; Gaz. vol. 133; p. 829.
- Harvester and separator attachment. B. F. Rogers and E. L. Rucker. No. 883,424; Mar. 31; Sp. p. 5876; Dr. p. 1252; Gaz. vol. 133; p. 1085.
- Harvester and shocker, Combined corn. G. E., C., and R. J. Waller. No. 883,597; Mar. 31; Sp. p. 6217; Dr. pp. 1325-6; Gaz. vol. 133; p. 1138.
- Harvester and shocker, Corn. A. D. Dusenbery. No. 893,313; July 14; Sp. p. 1861; Dr. p. 389; Gaz. vol. 135; p. 335.
- Harvester attachment, Corn-. L. Carter. No. 891,609; June 23; Sp. p. 5062; Dr. p. 1092; Gaz. vol. 134; p. 1956.
- Harvester, Automatic leveling combined. J. Clove. No. 905,985; Dec. 8; Sp. p. 1723; Gaz. vol. 137; p. 1295.
- Harvester, Beet-. W. B. Fox. No. 890,585; June 9; Sp. p. 2791; Dr. pp. 615-16; Gaz. vol. 134; p. 1537.
- Harvester, Beet-. C. M. McCormick. No. 891,184; June 16; Sp. p. 4021; Dr. p. 881; Gaz. vol. 134; p. 1764.
- Harvester, Beet-. L. Heiser. No. 894,001; July 21; Sp. p. 3389; Dr. p. 693; Gaz. vol. 135; p. 592.
- Harvester bunching device. W. H. Wilder. No. 898,161; Sept. 8; Sp. p. 1893; Dr. p. 405; Gaz. vol. 136; p. 329.
- Harvester, Cane-. J. D. Cooper. No. 880,362; Feb. 25; Sp. p. 5077; Dr. p. 1073; Gaz. vol. 132; p. 1763.
- Harvester, Corn-. R. B. Brewer. No. 878,477; Feb. 4; Sp. p. 1177; Dr. p. 239; Gaz. vol. 132; p. 1041.
- Harvester, Corn-. H. Hahn. No. 880,139; Feb. 25; Sp. p. 4640; Dr. pp. 979-80; Gaz. vol. 132; p. 1688.
- Harvester, Corn-. J. Hettrich. No. 880,451; Feb. 25; Sp. p. 5279; Dr. p. 1111; Gaz. vol. 132; p. 1794.
- Harvester, Corn-. R. B. Brewer. No. 884,891; Apr. 14; Sp. p. 2496; Dr. p. 527; Gaz. vol. 133; p. 1619.
- Harvester, Corn-. R. Robinson. No. 888,353; May 19; Sp. p. 4037; Dr. pp. 851-2; Gaz. vol. 134; p. 719.
- Harvester, Corn-. W. Hall. No. 889,226; June 2; Sp. p. 72; Dr. p. 16; Gaz. vol. 134; p. 1069.
- Harvester, Corn-. J. A. Stone. No. 899,142; Sept. 22; Sp. p. 3747; Dr. pp. 803-4; Gaz. vol. 136; p. 706.
- Harvester, Cotton-. L. Gasser. No. 906,868; Dec. 15; Sp. p. 3391; Gaz. vol. 137; p. 1604.
- Harvester, Cotton-. W. E. Rickey. No. 889,968; June 9; Sp. p. 1537; Dr. p. 347; Gaz. vol. 134; p. 1333.
- Harvester, Cotton-. T. R. and R. D. Hollingsworth. No. 898,893; Sept. 15; Sp. p. 3288; Dr. p. 704; Gaz. vol. 136; p. 597.
- Harvester cutter-bar. W. S. Clark. No. 897,818; Sept. 1; Sp. p. 1174; Dr. p. 249; Gaz. vol. 136; p. 186.

Alphabetical list of inventions—Continued.

- Harvester cutting apparatus. J. Lutin. No. 880,553; Mar. 3; Sp. p. 120; Dr. p. 27; Gaz. vol. 133; p. 24.
 Harvester cutting apparatus. C. W. Carson. No. 892,028; June 30; Sp. p. 5778; Dr. p. 1243; Gaz. vol. 134; p. 2106.
 Harvester cutting apparatus, Corn-. W. H. Tilson. No. 875,749; Jan. 7; Sp. p. 138; Dr. p. 31; Gaz. vol. 132; p. 27.
 Harvester cutting mechanism, Corn-. F. M. Wideman. No. 883,367; Mar. 31; Sp. p. 5734; Dr. p. 1223; Gaz. vol. 133; p. 1065.
 Harvester, Flax-. J. H. Phillip. No. 878,311; Feb. 4; Sp. p. 837; Dr. p. 170; Gaz. vol. 132; p. 986.
 Harvester, Flax-. I. W. Weeks. No. 885,897; Apr. 28; Sp. p. 4575; Dr. p. 959; Gaz. vol. 133; p. 2006.
 Harvester, Fruit-. G. Hensley. No. 906,626; Dec. 15; Sp. p. 2923; Gaz. vol. 137; p. 1528.
 Harvester, Fruit-. A. Wettengel. No. 907,208; Dec. 22; Sp. p. 4060; Gaz. vol. 137; p. 1749.
 Harvester, Grain-. W. J. Aumen. No. 875,682; Jan. 7; Sp. p. 11; Dr. p. 2; Gaz. vol. 132; p. 4.
 Harvester, Header-. M. W. Charlton. No. 887,311; May 12; Sp. p. 1989; Dr. p. 418; Gaz. vol. 134; p. 349.
 Harvester, Pea-. S. Nettleship. No. 897,844; Sept. 1; Sp. p. 1225; Dr. pp. 261-2; Gaz. vol. 136; p. 195.
 Harvester, Pea and bean. J. C. Longstreet. No. 875,831; Jan. 7; Sp. p. 287; Dr. pp. 62-3; Gaz. vol. 132; p. 53.
 Harvester, Peanut-. H. E. Galbraith. No. 892,587; July 7; Sp. p. 371; Dr. p. 81; Gaz. vol. 135; p. 69.
 Harvester, Potato-. F. W. Heimberger. No. 878,285; Feb. 4; Sp. p. 801; Dr. pp. 160-1; Gaz. vol. 132; p. 978.
 Harvester, Potato-. J. S. Hoyt. No. 880,533; Mar. 3; Sp. p. 74; Dr. p. 18; Gaz. vol. 133; p. 16.
 Harvester, Potato-. H. C. Hendrick. No. 884,386; Apr. 14; Sp. p. 1457; Dr. pp. 310-11; Gaz. vol. 133; p. 1454.
 Harvester, Potato-. B. H. Pugh. No. 905,921; Dec. 8; Sp. p. 1601; Gaz. vol. 137; p. 1276.
 Harvester-reel. F. S. Chase. No. 884,465; Apr. 14; Sp. p. 1610; Dr. pp. 347-8; Gaz. vol. 133; p. 1479.
 Harvester-reel. J. T. Brett. No. 885,833; Apr. 28; Sp. p. 4461; Dr. pp. 936-7; Gaz. vol. 133; p. 1984.
 Harvester-reel. G. F. Beal. No. 895,147; Aug. 4; Sp. p. 733; Dr. p. 153; Gaz. vol. 135; p. 1017.
 Harvester-reel. J. E. Campbell. No. 907,966; Dec. 29; Sp. p. 5649; Gaz. vol. 137; p. 2030.
 Harvester-reel and actuating mechanism therefor. G. V. Ratz. No. 882,715; Mar. 24; Sp. p. 4418; Dr. p. 939; Gaz. vol. 133; p. 823.
 Harvester tender, Corn-. H. Broome. No. 895,721; Aug. 11; Sp. p. 1889; Dr. pp. 400-1; Gaz. vol. 135; p. 1231.
 Harvester, Tilting sidehill-. H. T. Preble and J. W. Payne. No. 899,432; Sept. 22; Sp. p. 4303; Dr. pp. 923-4; Gaz. vol. 136; p. 798.
 Harvester, Tobacco-. S. E. Loxley. No. 881,598; Mar. 10; Sp. p. 2195; Dr. pp. 478-9; Gaz. vol. 133; p. 399.
 Harvester tying mechanism. W. H. Tilson. No. 890,105; June 9; Sp. p. 1815; Dr. p. 401; Gaz. vol. 134; p. 1380.
 Harvesters, Automatic adjuster for fan-boxes of combined. W. M. Amer. No. 885,215; Apr. 21; Sp. p. 3199; Dr. p. 668; Gaz. vol. 133; p. 1756.
 Harvesters, Side-delivery mechanism for. F. Hamachek. No. 900,727; Oct. 13; Sp. p. 1399; Dr. pp. 285-6; Gaz. vol. 136; p. 1315.
 Harvesters, Stalk-stripping mechanism for corn-. C. E. Storm. No. 890,579; June 9; Sp. p. 2771; Dr. p. 612; Gaz. vol. 134; p. 1534.
 Harvesting and husking machine, Corn. W. O. Powell. No. 880,467; Feb. 25; Sp. p. 5322; Dr. p. 1119; Gaz. vol. 132; p. 1800.
 Harvesting device, Corn-. V. R. McDole and A. Hollenbeck. No. 901,989; Oct. 27; Sp. p. 4044; Dr. p. 820; Gaz. vol. 136; p. 1794.
 Harvesting-knife. A. W. Ihde. No. 891,481; June 23; Sp. p. 4659; Dr. p. 1009; Gaz. vol. 134; p. 1895.
 Harvesting-machine. G. A. Short and O. Reck. No. 908,342; Dec. 29; Sp. p. 6443; Gaz. vol. 137; p. 2159.
 Harvesting machine, Beet-. T. Eastman. No. 895,956; Aug. 11; Sp. p. 2429; Dr. pp. 521-2; Gaz. vol. 135; p. 1316.
 Harvesting machine, Beet-. I. C. and D. W. Lesh. No. 896,557; Aug. 18; Sp. p. 3544; Dr. p. 761; Gaz. vol. 135; p. 1522.
 Harvesting machine, Corn-. P. Suhr. No. 888,411; May 19; Sp. p. 4162; Dr. pp. 881-2; Gaz. vol. 134; p. 738.
 Harvesting machine, Cotton-. G. H. Zempster. No. 886,335; Apr. 28; Sp. p. 5494; Dr. p. 1149; Gaz. vol. 133; p. 2152.
 Harvesting-machine cutter-bar. O. C. Turner. No. 889,646; June 2; Sp. p. 888; Dr. p. 204; Gaz. vol. 134; p. 1203.
 Harvesting machine, Potato-. C. Keibel. No. 904,264; Nov. 17; Sp. p. 3540; Gaz. vol. 137; p. 633.
 Harvesting machine, Vegetable-. A. G. Ellinwood. No. 894,262; July 28; Sp. p. 3954; Dr. p. 815; Gaz. vol. 135; p. 698.
 Harvesting-machines, Bundle carrier and dropper for. H. Ferris and H. E. Dikeman. No. 889,672; June 2; Sp. p. 955; Dr. p. 220; Gaz. vol. 134; p. 1211.
 Harvesting-machines, Dumping mechanism for. J. A. McNeal. No. 887,343; May 12; Sp. p. 2058; Dr. p. 431; Gaz. vol. 134; p. 360.
 Harvesting sugar-cane. H. G. Ginaca. No. 883,537; Mar. 31; Sp. p. 6108; Dr. p. 1299; Gaz. vol. 133; p. 1120.
 Hasp. J. Christenson. No. 898,834; Sept. 15; Sp. p. 3178; Dr. p. 680; Gaz. vol. 136; p. 578.
 Hasp-fastener. G. M. Hughes. No. 888,012; May 19; Sp. p. 3402; Dr. p. 715; Gaz. vol. 134; p. 611.
 Hasp-fastener. A. W. Robinson. No. 890,873; June 16; Sp. p. 3406; Dr. p. 747; Gaz. vol. 134; p. 1663.
 Hasp-fastener. M. D. Mansur. No. 894,335; July 28; Sp. p. 4104; Dr. p. 847; Gaz. vol. 135; p. 723.
 Hasp-fastener. E. F. Hulbert. No. 906,528; Dec. 15; Sp. p. 2746; Gaz. vol. 137; p. 1498.
 Hasp-lock. G. F. Darracont. No. 878,047; Feb. 4; Sp. p. 321; Dr. p. 67; Gaz. vol. 132; p. 900.
 Hasp-lock. P. Durett. No. 879,948; Feb. 25; Sp. p. 4272; Dr. p. 893; Gaz. vol. 132; p. 1628.
 Hasp-lock. C. T. Sleeper. No. 899,138; Sept. 22; Sp. p. 3741; Dr. p. 801; Gaz. vol. 136; p. 705.
 Hasp-lock. A. L. Jervey. No. 906,803; Dec. 15; Sp. p. 3258; Gaz. vol. 137; p. 1584.
 Hat. J. J. Snyder. No. 889,981; June 9; Sp. p. 1561; Dr. p. 352; Gaz. vol. 134; p. 1338.
 Hat and coat rack. A. W. Lawrence. No. 897,112; Aug. 25; Sp. p. 4718; Dr. p. 1005; Gaz. vol. 135; p. 1728.
 Hat-block. C. E. Stevens. No. 899,141; Sept. 22; Sp. p. 3746; Dr. pp. 802-3; Gaz. vol. 136; p. 706.
 Hat-blocking apparatus. L. Flicker. No. 896,370; Aug. 18; Sp. p. 3173; Dr. p. 681; Gaz. vol. 135; p. 1460.
 Hat-blocking machine. A. B. Waring. No. 881,508; Mar. 10; Sp. p. 2024; Dr. p. 441; Gaz. vol. 133; p. 368.
 Hat-blocking machine. A. B. Waring. No. 881,509; Mar. 10; Sp. p. 2026; Dr. p. 442; Gaz. vol. 133; p. 368.
 Hat-box. D. Weber. No. 895,521; Aug. 11; Sp. p. 1497; Dr. p. 316; Gaz. vol. 135; p. 1166.
 Hat-brim wetting and rounding machine. G. Segsneider. No. 900,001; Sept. 29; Sp. p. 5515; Dr. pp. 1175-6; Gaz. vol. 136; p. 1020.
 Hat-brims in curling-machines, Safety device for. J. Agar. No. 895,609; Aug. 11; Sp. p. 1665; Dr. p. 351; Gaz. vol. 135; p. 1198.
 Hat, coat, and umbrella lock. G. W. Lord. No. 907,258; Dec. 22; Sp. p. 4173; Gaz. vol. 137; p. 1768.
 Hat, coat, and umbrella rack. J. J. McNearney. No. 880,232; Feb. 25; Sp. p. 4845; Dr. p. 1024; Gaz. vol. 132; p. 1721.
 Hat, coat, and umbrella rack, Combined. J. N. and W. T. Courtney. No. 892,407; July 7; Sp. p. 32; Dr. p. 9; Gaz. vol. 135; p. 9.
 Hat, coat, and umbrella rack, Combined. J. Crozier and L. Stuart. No. 894,607; July 28; Sp. p. 4655; Dr. p. 966; Gaz. vol. 135; p. 812.
 Hat-crowns, Head-piece for. F. J. Muhlfeld. No. 903,396; Nov. 10; Sp. p. 1710; Gaz. vol. 137; p. 312.
 Hat-curling machine. E. M. Lyman and J. Ives. No. 886,142; Apr. 28; Sp. p. 5096; Dr. p. 1070; Gaz. vol. 133; p. 2086.
 Hat-fastener. S. W. Bates. No. 892,350; June 30; Sp. p. 6394; Dr. p. 1380; Gaz. vol. 134; p. 2212.
 Hat-fastener. E. Seyfried. No. 899,685; Sept. 29; Sp. p. 4832; Dr. p. 1035; Gaz. vol. 136; p. 916.
 Hat-fastener. W. S. Seymour. No. 903,237; Nov. 10; Sp. p. 1408; Gaz. vol. 137; p. 261.
 Hat-fastener. L. G. Sabbag. No. 906,301; Dec. 8; Sp. p. 2329; Gaz. vol. 137; p. 1400.
 Hat-fastener, Comb. W. H. Goodale and E. A. Stacy. No. 885,746; Apr. 28; Sp. p. 4276; Dr. p. 894; Gaz. vol. 133; p. 1955.
 Hat-fastener, Lady's. I. B. Malmstead. No. 890,675; June 16; Sp. p. 3000; Dr. p. 659; Gaz. vol. 134; p. 1598.
 Hat-fastening device. E. C. Scanlan. No. 895,500; Aug. 11; Sp. p. 1455; Dr. p. 305; Gaz. vol. 135; p. 1158.
 Hat, Fireman's. C. H. Sass. No. 908,145; Dec. 29; Sp. p. 6013; Gaz. vol. 137; p. 2090.
 Hat-forming device. L. Stevens. No. 895,810; Aug. 11; Sp. p. 2083; Dr. p. 441; Gaz. vol. 135; p. 1259.
 Hat-frame-forming device. J. Nattenheimer. No. 881,257; Mar. 10; Sp. p. 1528; Dr. pp. 328-9; Gaz. vol. 133; p. 288.
 Hat-frame-forming device, Wire-. W. M. Jameson. No. 884,588; Apr. 14; Sp. p. 1856; Dr. p. 399; Gaz. vol. 133; p. 1519.
 Hat-frame machine. A. E. Hoermann. No. 894,648; July 28; Sp. p. 4727; Dr. p. 981; Gaz. vol. 135; p. 825.
 Hat-frame, Wire. C. W. Stevens. No. 900,129; Oct. 6; Sp. p. 127; Dr. p. 26; Gaz. vol. 136; p. 1093.
 Hat-frames, Device for making wire. B. Belle. No. 891,227; June 23; Sp. p. 4139; Dr. p. 906; Gaz. vol. 134; p. 1811.
 Hat-guard. C. E. Westlund. No. 903,037; Nov. 3; Sp. p. 1021; Gaz. vol. 137; p. 167.
 Hat hanger and marker. S. P. Dodge. No. 885,026; Apr. 21; Sp. p. 2779; Dr. p. 589; Gaz. vol. 133; p. 1694.
 Hat-holder. M. F. Ma Loney. No. 878,814; Feb. 11; Sp. p. 1941; Dr. p. 402; Gaz. vol. 132; p. 1185.
 Hat-holder. M. E. Crouse and J. E. Roberts. No. 880,364; Feb. 25; Sp. p. 5083; Dr. p. 1074; Gaz. vol. 132; p. 1763.
 Hat-holder. G. Aubuchon. No. 903,946; Nov. 17; Sp. p. 2875; Gaz. vol. 137; p. 525.
 Hat-holder, Lady's. H. M. Garratt. No. 888,880; May 26; Sp. p. 5173; Dr. p. 1098; Gaz. vol. 134; p. 926.
 Hat-hook. S. M. Lawson. No. 906,537; Dec. 15; Sp. p. 2760; Gaz. vol. 137; p. 1501.
 Hat-hook. S. R. Pagé. No. 908,320; Dec. 29; Sp. p. 6398; Gaz. vol. 137; p. 2151.
 Hat, Lady's and child's. K. E. Mann. No. 878,219; Feb. 4; Sp. p. 671; Dr. p. 138; Gaz. vol. 132; p. 955.
 Hat-lining. J. G. Shepard. No. 903,513; Nov. 10; Sp. p. 1900; Gaz. vol. 137; p. 352.
 Hat-mold. F. H. Lee. No. 882,324; Mar. 17; Sp. p. 3674; Dr. p. 780; Gaz. vol. 133; p. 662.
 Hat or cap. I. Seitzman. No. 899,334; Sept. 22; Sp. p. 4134; Dr. p. 885; Gaz. vol. 136; p. 767.
 Hat-packing case. A. I. Coe. No. 885,979; Apr. 28; Sp. p. 4764; Dr. pp. 1000-1; Gaz. vol. 133; p. 2033.
 Hat-packing device. A. H. Russell. No. 905,592; Dec. 1; Sp. p. 967; Gaz. vol. 137; p. 1138.
 Hat-pin. P. S. Rumberg. No. 876,094; Jan. 7; Sp. p. 799; Dr. p. 171; Gaz. vol. 132; p. 136.
 Hat-pin. H. W. Schloss and H. Hawley. No. 896,253; Aug. 18; Sp. p. 2918; Dr. p. 628; Gaz. vol. 135; p. 1424.
 Hat-pin. G. H. Ekstrom. No. 897,727; Sept. 1; Sp. p. 986; Dr. p. 210; Gaz. vol. 136; p. 158.
 Hat-pin. J. D. Banks. No. 898,422; Sept. 15; Sp. p. 2386; Dr. p. 510; Gaz. vol. 136; p. 446.
 Hat-pin. W. Goldenberg. No. 898,873; Sept. 15; Sp. p. 3253; Dr. p. 696; Gaz. vol. 136; p. 591.
 Hat-pressing machine. R. E. Adam. No. 907,113; Dec. 22; Sp. p. 3858; Gaz. vol. 137; p. 1717.

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- Hat-protector. A. G. Kiner. No. 881,132; Mar. 10; Sp. p. 1278; Dr. p. 275; Gaz. vol. 133; p. 247.
 Hat-protector. Waterproof. E. A. Kendall. No. 902,909; Nov. 3; Sp. p. 871; Gaz. vol. 137; p. 145.
 Hat-rack and kneeling-stool for pews. Folding. F. X. Aumann, Jr. No. 902,130; Oct. 27; Sp. p. 4305; Dr. p. 872; Gaz. vol. 136; p. 1838.
 Hat-sizing-machine roller. J. F. Williams. No. 880,768; Mar. 3; Sp. p. 565; Dr. p. 119; Gaz. vol. 133; p. 98.
 Hat-sweat-band. H. B. Crampton. No. 877,885; Jan. 28; Sp. p. 4457; Dr. p. 972; Gaz. vol. 132; p. 817.
 Hat-sweat-shield. H. W. Wagenet. No. 900,330; Oct. 6; Sp. p. 549; Dr. p. 114; Gaz. vol. 136; p. 1158.
 Hat-ventilator. W. E. Miller. No. 903,219; Nov. 10; Sp. p. 1376; Gaz. vol. 137; p. 255.
 Hat, Washable. W. Neugass. No. 882,648; Mar. 24; Sp. p. 4290; Dr. p. 910; Gaz. vol. 133; p. 802.
 Hats and similar head-gear, Device for preventing the soiling of. E. Limmer. No. 908,111; Dec. 29; Sp. p. 5939; Gaz. vol. 137; p. 2078.
 Hats, Manufacture of. H. L. Stevens. No. 888,200; May 19; Sp. p. 3745; Dr. p. 786; Gaz. vol. 134; p. 670.
 Hats, Manufacture of one-piece felt. F. J. Muhlfeld. No. 899,887; Sept. 29; Sp. p. 5263; Dr. p. 1126; Gaz. vol. 136; p. 983.
 Hatband, Ventilating-. J. Jaillet and L. J. Tussan. No. 888,902; May 26; Sp. p. 5219; Dr. p. 1107; Gaz. vol. 134; p. 934.
 Hatch-covers, Mechanism for moving. T. B. Armstrong. No. 881,649; Mar. 10; Sp. p. 2311; Dr. p. 500; Gaz. vol. 133; p. 415.
 Hatch-fastening device. O. P. Peckham. No. 904,275; Nov. 17; Sp. p. 3563; Gaz. vol. 137; p. 637.
 Hatchway. E. Wold. No. 905,041; Nov. 24; Sp. p. 5159; Gaz. vol. 137; p. 920.
 Hatchet. J. R. McCoy. No. 901,022; Oct. 13; Sp. p. 2019; Dr. p. 410; Gaz. vol. 136; p. 1412.
 Haulage system. P. A. Degener. No. 904,514; Nov. 24; Sp. p. 4078; Gaz. vol. 137; p. 744.
 Hay and cattle rack. A. J. Miller. No. 899,315; Sept. 22; Sp. p. 4105; Dr. p. 877; Gaz. vol. 136; p. 761.
 Hay and hog rack. C. O. Strubhar. No. 879,209; Feb. 18; Sp. p. 2707; Dr. p. 504; Gaz. vol. 132; p. 1351.
 Hay and manure gatherer and loader. J. Peterson. No. 875,846; Jan. 7; Sp. p. 315; Dr. pp. 69-70; Gaz. vol. 132; p. 58.
 Hay and stock rack, Combined. C. W. Trigger. No. 891,881; June 30; Sp. p. 5497; Dr. pp. 1187-8; Gaz. vol. 134; p. 2039.
 Hay and stock rack, Combined. W. C. Skinner. No. 895,119; Aug. 4; Sp. p. 693; Dr. pp. 144-5; Gaz. vol. 135; p. 1009.
 Hay, &c., Apparatus for handling. C. W. Wood. No. 891,581; June 23; Sp. p. 4860; Dr. pp. 1047-8; Gaz. vol. 134; p. 1926.
 Hay-barrack. G. A. Walker. No. 879,071; Feb. 11; Sp. p. 2409; Dr. p. 504; Gaz. vol. 132; p. 1265.
 Hay-carrier. R. Miller. No. 881,604; Mar. 10; Sp. p. 2209; Dr. p. 482; Gaz. vol. 133; p. 401.
 Hay-carrier. W. Gutenkunst. No. 895,555; Aug. 11; Sp. p. 1567; Dr. p. 331; Gaz. vol. 135; p. 1177.
 Hay-carrier. M. Thurston. No. 899,688; Sept. 29; Sp. p. 4836; Dr. p. 1036; Gaz. vol. 136; p. 917.
 Hay-carrier returning mechanism. N. Johnson. No. 907,809; Dec. 29; Sp. p. 5325; Gaz. vol. 137; p. 1981.
 Hay-carrier track. T. J. Maddrell and G. A. Swineford. No. 903,594; Nov. 10; Sp. p. 2132; Gaz. vol. 137; p. 378.
 Hay-cocking machine and hay-loader. G. L. Holliday and I. S. Hawks. No. 896,541; Aug. 18; Sp. p. 3518; Dr. pp. 755-6; Gaz. vol. 135; p. 1517.
 Hay-elevating device. H. C. White. No. 877,688; Jan. 28; Sp. p. 4108; Dr. p. 889; Gaz. vol. 132; p. 755.
 Hay-elevator. F. F. Sommer. No. 885,541; Apr. 21; Sp. p. 3856; Dr. p. 806; Gaz. vol. 133; p. 1860.
 Hay-feeding apparatus. W. T. and J. O. Wise. No. 906,670; Dec. 15; Sp. p. 2996; Gaz. vol. 137; p. 1541.
 Hay-fork. C. Foss. No. 881,394; Mar. 10; Sp. p. 1805; Dr. p. 390; Gaz. vol. 133; p. 331.
 Hay gatherer and loader. D. G. and J. A. Shreeve. No. 903,329; Nov. 10; Sp. p. 1581; Gaz. vol. 137; p. 291.
 Hay gatherer and stacker. E. M. Orton. No. 886,725; May 5; Sp. p. 796; Dr. p. 164; Gaz. vol. 134; p. 133.
 Hay-handling mechanism. M. H. Madsen. No. 881,426; Mar. 10; Sp. p. 1859; Dr. p. 404; Gaz. vol. 133; p. 341.
 Hay in barns, Apparatus for unloading. C. L. Burgner. No. 881,542; Mar. 10; Sp. p. 2080; Dr. p. 455; Gaz. vol. 133; p. 379.
 Hay-loader. C. Graves. No. 881,397; Mar. 10; Sp. p. 1809; Dr. pp. 391-2; Gaz. vol. 133; p. 332.
 Hay-loader. C. E. Clugston. No. 883,087; Mar. 24; Sp. p. 5150; Dr. pp. 1099-1100; Gaz. vol. 133; p. 944.
 Hay-loader. A. Otto, Jr. No. 888,527; May 26; Sp. p. 4394; Dr. p. 931; Gaz. vol. 134; p. 807.
 Hay-loader. H. M. Neuhaus. No. 889,392; June 2; Sp. p. 410; Dr. p. 96; Gaz. vol. 134; p. 1123.
 Hay-loader. A. H. Bosworth. No. 897,054; Aug. 25; Sp. p. 4006; Dr. pp. 981-2; Gaz. vol. 135; p. 1710.
 Hay-loader. C. M. Lee. No. 900,747; Oct. 13; Sp. p. 1441; Dr. pp. 292-3; Gaz. vol. 136; p. 1321.
 Hay-loader. J. Dain. No. 901,074; Oct. 13; Sp. p. 2111; Dr. p. 430; Gaz. vol. 136; p. 1428.
 Hay-loader. J. Dain. No. 905,151; Dec. 1; Sp. p. 51; Gaz. vol. 137; p. 992.
 Hay, Machine for cutting baled. G. E. Richmond. No. 887,693; May 12; Sp. p. 2748; Dr. p. 581; Gaz. vol. 134; p. 475.
 Hay pitching and stacking apparatus. E. Murray. No. 881,705; Mar. 10; Sp. p. 2398; Dr. pp. 520-1; Gaz. vol. 133; p. 431.
 Hay-press. J. M. and E. C. Holderfeld. No. 878,880; Feb. 11; Sp. p. 2063; Dr. p. 428; Gaz. vol. 132; p. 1207.
 Hay-press. M. I. Wilson. No. 879,344; Feb. 18; Sp. p. 2959; Dr. p. 617; Gaz. vol. 132; p. 1396.
 Hay-press. L. B. Wygant. No. 885,823; Apr. 28; Sp. p. 4438; Dr. pp. 932-3; Gaz. vol. 133; p. 1981.
 Hay-press. E. W. Kelsey. No. 886,986; May 5; Sp. p. 1282; Dr. pp. 270-1; Gaz. vol. 134; p. 213.
 Hay-press. V. Biela. No. 888,140; May 19; Sp. p. 3640; Dr. pp. 762-3; Gaz. vol. 134; p. 651.
 Hay-press. D. Confer. No. 894,315; July 28; Sp. p. 4063; Dr. p. 839; Gaz. vol. 135; p. 716.
 Hay-press. G. A. Rapp. No. 900,588; Oct. 6; Sp. p. 1103; Dr. pp. 226-7; Gaz. vol. 136; p. 1242.
 Hay-press. C. H. Ruggles. No. 907,498; Dec. 22; Sp. p. 4449; Gaz. vol. 137; p. 1818.
 Hay-press, Multiple. J. H. Means. No. 900,566; Oct. 6; Sp. p. 1066; Dr. pp. 218-19; Gaz. vol. 136; p. 1236.
 Hay-press, Self-feeding. G. Schubert. (Reissue.) No. 12,847; Aug. 25; Sp. p. 5140; Dr. p. 1071; Gaz. vol. 135; p. 1782.
 Hay-presses, Packer for. C. S. Starr. No. 903,021; Nov. 3; Sp. p. 990; Gaz. vol. 137; p. 163.
 Hay-rack. S. A. Baughman. No. 877,696; Jan. 28; Sp. p. 4119; Dr. p. 892; Gaz. vol. 132; p. 757.
 Hay-rack. E. A. W. Beemer. No. 880,118; Feb. 25; Sp. p. 4592; Dr. p. 967; Gaz. vol. 132; p. 1682.
 Hay-rack. E. J. Wells and J. M. Fuller. No. 881,752; Mar. 10; Sp. p. 2506; Dr. pp. 539-40; Gaz. vol. 133; p. 446.
 Hay-rack. E. H. Moyer. No. 882,407; Mar. 17; Sp. p. 3312; Dr. p. 815; Gaz. vol. 133; p. 689.
 Hay-rack. P. C. Jackson. No. 884,334; Apr. 7; Sp. p. 1335; Dr. p. 284; Gaz. vol. 133; p. 1407.
 Hay-rack. J. M. Fuller. No. 894,134; July 21; Sp. p. 3656; Dr. p. 755; Gaz. vol. 135; p. 636.
 Hay-rack. C. Gillson. No. 897,363; Sept. 1; Sp. p. 249; Dr. pp. 51-2; Gaz. vol. 136; p. 37.
 Hay-rack arch-iron. E. A. Wruck. No. 877,156; Jan. 21; Sp. p. 3032; Dr. p. 656; Gaz. vol. 132; p. 560.
 Hay-rack standard. B. C. Speer. No. 886,549; May 5; Sp. p. 406; Dr. p. 86; Gaz. vol. 134; p. 75.
 Hay-racks, Load-binder for. C. H. Chine. No. 886,479; May 5; Sp. p. 275; Dr. p. 58; Gaz. vol. 134; p. 50.
 Hay-rake. J. H. Cope. No. 891,148; June 16; Sp. p. 3944; Dr. p. 864; Gaz. vol. 134; p. 1751.
 Hay-rake. J. W. Latimer. No. 907,249; Dec. 22; Sp. p. 4156; Gaz. vol. 137; p. 1764.
 Hay rake and elevator, Combined. C. H. Knapp. No. 900,287; Oct. 6; Sp. p. 464; Dr. pp. 95-6; Gaz. vol. 136; p. 1145.
 Hay rake and loader. C. W. Baird. No. 890,209; June 9; Sp. p. 2032; Dr. p. 447; Gaz. vol. 134; p. 1415.
 Hay-rake, Combined center-delivery and dumping. J. H. Lunsford. No. 898,240; Sept. 8; Sp. p. 2051; Dr. pp. 435-6; Gaz. vol. 136; p. 354.
 Hay-rake, Folding. W. C. Jones. No. 892,736; July 7; Sp. p. 682; Dr. p. 143; Gaz. vol. 135; p. 117.
 Hay-rake, Folding sulky. W. S. Clark. No. 903,770; Dec. 15; Sp. p. 3203; Gaz. vol. 137; p. 1574.
 Hay-rake, Side-delivery. H. B. Sperry. No. 888,546; May 26; Sp. p. 4448; Dr. pp. 941-2; Gaz. vol. 134; p. 815.
 Hay-stacker. E. A. Rhoads. No. 903,368; Dec. 1; Sp. p. 478; Gaz. vol. 137; p. 1064.
 Hay, straw, or like cutting knife. R. Jones. No. 893,735; July 21; Sp. p. 2835; Dr. p. 582; Gaz. vol. 135; p. 504.
 Head-block and tension-bar. H. W. Hock. No. 891,838; June 30; Sp. p. 5415; Dr. p. 1170; Gaz. vol. 134; p. 2045.
 Head-block plate and perch connection. L. E. Hickok. No. 876,544; Jan. 14; Sp. p. 1752; Dr. p. 380; Gaz. vol. 132; p. 317.
 Head-covering. W. Bernstein. No. 908,197; Dec. 29; Sp. p. 6155; Gaz. vol. 137; p. 2109.
 Head-gate. W. J. Swords. No. 889,272; June 2; Sp. p. 156; Dr. p. 37; Gaz. vol. 134; p. 1083.
 Head-gear. L. Rabiner. No. 890,095; June 9; Sp. p. 1799; Dr. p. 398; Gaz. vol. 134; p. 1377.
 Head-rest. H. Greene. No. 906,410; Dec. 8; Sp. p. 2514; Gaz. vol. 137; p. 1432.
 Head-screen. H. C. Harrison and W. M. O'Brien. No. 876,452; Jan. 14; Sp. p. 1547; Dr. p. 332; Gaz. vol. 132; p. 284.
 Header and thresher, Combined. F. S. Holley and J. C. Whitford. No. 880,454; Feb. 25; Sp. p. 5286; Dr. p. 1113; Gaz. vol. 132; p. 1795.
 Headers, Comb-reel for. J. C. Eichelberger. No. 882,376; Mar. 17; Sp. p. 3765; Dr. p. 802; Gaz. vol. 133; p. 679.
 Heading and shingle machine. J. C. and J. H. Street. No. 876,592; Jan. 14; Sp. p. 1651; Dr. p. 358; Gaz. vol. 132; p. 301.
 Heading and threshing machine, Steam-driven combined. L. K. Brown. No. 901,588; Oct. 20; Sp. p. 3191; Dr. pp. 650-3; Gaz. vol. 136; p. 1633.
 Heading-machine. W. M. Taylor. No. 902,928; Nov. 3; Sp. p. 798; Gaz. vol. 137; p. 132.
 Headlight. G. W. Brown. No. 879,727; Feb. 18; Sp. p. 3782; Dr. p. 793; Gaz. vol. 132; p. 1521.
 Headlight. R. A. Bell and J. B. McKiel. No. 896,794; Aug. 25; Sp. p. 4031; Dr. p. 867; Gaz. vol. 135; p. 1622.
 Headlight. T. L. Hiles. No. 905,312; Dec. 1; Sp. p. 353; Gaz. vol. 137; p. 1044.
 Headlight, Adjustable. S. E. Porter and A. H. Harbaugh. No. 876,488; Jan. 14; Sp. p. 1624; Dr. p. 352; Gaz. vol. 132; p. 296.
 Headlight, Adjustable. I. D. McMannamy. No. 888,641; May 26; Sp. p. 4648; Dr. p. 986; Gaz. vol. 134; p. 848.
 Headlight, Arc-lamp. R. Fleming. No. 901,432; Oct. 20; Sp. p. 2855; Dr. pp. 583-4; Gaz. vol. 136; p. 1581.
 Headlight blind, Locomotive-. F. J. Fewings. No. 879,377; Feb. 18; Sp. p. 3036; Dr. pp. 632-3; Gaz. vol. 132; p. 1407.
 Headlight-controller. H. R. Parker. No. 900,198; Oct. 6; Sp. p. 265; Dr. p. 53; Gaz. vol. 136; p. 1115.
 Headlight-deflecting mechanism, Automatic. J. J. Shipley. No. 902,117; Oct. 27; Sp. p. 4283; Dr. p. 868; Gaz. vol. 136; p. 1833.

Alphabetical list of inventions—Continued.

- Headlight for automobiles, &c. W. D. Forbes. No. 880,289; Feb. 25; Sp. p. 4958; Dr. p. 1047; Gaz. vol. 132; p. 1740.
 Headlight for horses. E. L. Richards. No. 878,898; Feb. 11; Sp. p. 2104; Dr. p. 438; Gaz. vol. 132; p. 1212.
 Headlight-operating device. W. H. Brown. No. 893,139; July 14; Sp. p. 1532; Dr. p. 323; Gaz. vol. 135; p. 280.
 Headlight-operating device. J. Kaufman. No. 906,141; Dec. 8; Sp. p. 2016; Gaz. vol. 137; p. 1345.
 Headlight-support. L. L. Lemay. No. 882,898; Mar. 24; Sp. p. 4792; Dr. p. 1019; Gaz. vol. 133; p. 881.
 Headway-recorder, Automatic. C. B. Buchanan and C. C. Johnson. No. 887,309; May 12; Sp. p. 1984; Dr. pp. 416-17; Gaz. vol. 134; p. 348.
 Heat and pressure regulator. E. J. Ryan. No. 894,062; July 21; Sp. p. 3523; Dr. p. 722; Gaz. vol. 135; p. 612.
 Heat, Burning oil for generating. T. C. Mason. No. 887,409; May 12; Sp. p. 2211; Dr. pp. 462-3; Gaz. vol. 134; p. 382.
 Heat-coil and protector unit. W. Kaisling. No. 886,374; May 5; Sp. p. 63; Dr. p. 13; Gaz. vol. 134; p. 15.
 Heat-controlling apparatus. M. J. Brierty. No. 902,936; Nov. 3; Sp. p. 815; Gaz. vol. 137; p. 135.
 Heat-controlling device. W. M. Fulton. No. 894,947; Aug. 4; Sp. p. 341; Dr. p. 69; Gaz. vol. 135; p. 950.
 Heat-controlling device. W. M. Fulton. No. 906,700; Dec. 15; Sp. p. 3057; Gaz. vol. 137; p. 1550.
 Heat-deflector. F. R. Bigler. No. 884,309; Apr. 7; Sp. p. 1288; Dr. p. 273; Gaz. vol. 133; p. 1398.
 Heat-distributing system. W. H. Pearce. No. 891,855; June 30; Sp. p. 5448; Dr. p. 1178; Gaz. vol. 134; p. 2050.
 Heat-engine. S. Lake. No. 880,744; Mar. 3; Sp. p. 516; Dr. pp. 106-9; Gaz. vol. 133; p. 89.
 Heat for cooking and other purposes, Apparatus for the electrical production of. A. F. Berry. No. 891,657; June 23; Sp. p. 5035; Dr. pp. 1085-7; Gaz. vol. 134; p. 1953.
 Heat from one fluid to another, Apparatus for transmitting. W. J. Still. No. 880,417; Feb. 25; Sp. p. 5207; Dr. pp. 1097-8; Gaz. vol. 132; p. 1781.
 Heat from one medium to another, Apparatus for transmitting. E. Morterud. No. 900,411; Oct. 6; Sp. p. 716; Dr. p. 149; Gaz. vol. 136; p. 1185.
 Heat-generating means. H. E. Grabau. No. 901,338; Oct. 20; Sp. p. 2623; Dr. p. 539; Gaz. vol. 136; p. 1547.
 Heat-interchanging apparatus. A. F. Cramer and C. J. Diederich. No. 904,181; Nov. 17; Sp. p. 3367; Gaz. vol. 137; p. 606.
 Heat-radiating device. J. L. Perkins. No. 881,147; Mar. 10; Sp. p. 1311; Dr. p. 283; Gaz. vol. 133; p. 253.
 Heat regulating and controlling apparatus. P. W. Cornwell. No. 877,056; Jan. 21; Sp. p. 2828; Dr. p. 611; Gaz. vol. 132; p. 528.
 Heat-regulating apparatus. D. H. Haywood. No. 884,275; Apr. 7; Sp. p. 1235; Dr. p. 260; Gaz. vol. 133; p. 1388.
 Heat-regulating apparatus. V. F. Davis. No. 884,321; Apr. 7; Sp. p. 1308; Dr. p. 277; Gaz. vol. 133; p. 1402.
 Heat-regulator. G. L. Hopping. No. 895,371; Aug. 4; Sp. p. 1187; Dr. p. 250; Gaz. vol. 135; p. 1092.
 Heat-regulator, Automatic. E. N. Farmer. No. 906,698; Dec. 15; Sp. p. 3053; Gaz. vol. 137; p. 1550.
 Heat-retainer and drip-pan. E. C. Reiter. No. 897,928; Sept. 8; Sp. p. 1421; Dr. p. 303; Gaz. vol. 136; p. 255.
 Heat-retaining cover. J. Kitchin. No. 908,107; Dec. 29; Sp. p. 5934; Gaz. vol. 137; p. 2077.
 Heat transference. C. R. Butler. No. 877,903; Feb. 4; Sp. p. 12; Dr. p. 2; Gaz. vol. 132; p. 851.
 Heated chamber, Fluid-. C. E. Ord. No. 885,781; Apr. 28; Sp. p. 4349; Dr. p. 913; Gaz. vol. 133; p. 1966.
 Heated tools and vessels, Automatic indicator or thermoscopic signal for. J. I. Ayer. No. 884,973; Apr. 14; Sp. p. 2666; Dr. p. 567; Gaz. vol. 133; p. 1644.
 Heater: See Abdominal heater; Auxiliary heater; Barrel-heater; Base-board heater; Car-heater; Confectioner's heater; Curling-iron heater; Dental crown-heater; Dynamite or other explosive heater; Electric heater; Engine fuel-heater; Feed-water heater; Fire-engine heater; Fluid-heater; Gas-heater; Gas-jet heater; Grain-heater; Hot-water heater; Incubator-heater; Incubator and brooder heater; Indicator-heater; Liquid-heater; Lunch-heater; Oil-heater; Portable heater; Sad-iron heater; Steam-heater; Steam and hot-water heater; Steam-radiator heater; Tank-heater; Water-heater.
 Heater. C. H. Buchanan. No. 875,891; Jan. 7; Sp. p. 398; Dr. p. 87; Gaz. vol. 132; p. 74.
 Heater. H. Giddings. No. 875,990; Jan. 7; Sp. p. 594; Dr. p. 127; Gaz. vol. 132; p. 103.
 Heater. W. H. Callihan. No. 877,406; Jan. 21; Sp. p. 3528; Dr. p. 765; Gaz. vol. 132; p. 642.
 Heater. H. Bevan. No. 881,844; Mar. 10; Sp. p. 2682; Dr. p. 574; Gaz. vol. 133; p. 477.
 Heater. G. H. Bartlett. No. 882,229; Mar. 17; Sp. p. 3483; Dr. p. 740; Gaz. vol. 133; p. 629.
 Heater. W. K. Stafford. No. 884,300; Apr. 7; Sp. p. 1274; Dr. p. 269; Gaz. vol. 133; p. 1396.
 Heater. L. L. Law. No. 884,395; Apr. 14; Sp. p. 1472; Dr. pp. 314-15; Gaz. vol. 133; p. 1457.
 Heater. W. H. Burk. No. 887,915; May 19; Sp. p. 3217; Dr. p. 677; Gaz. vol. 134; p. 579.
 Heater. E. J. C. A., Sr., and C. H. Droz. No. 891,680; June 23; Sp. p. 5089; Dr. p. 1098; Gaz. vol. 134; p. 1961.
 Heater. A. L. D. Kyle. No. 896,554; Aug. 18; Sp. p. 3541; Dr. p. 760; Gaz. vol. 135; p. 1521.
 Heater. C. E. Varnum. No. 898,613; Sept. 15; Sp. p. 2763; Dr. p. 590; Gaz. vol. 136; p. 506.
 Heater. C. L. Leonard. No. 899,546; Sept. 29; Sp. p. 4555; Dr. p. 979; Gaz. vol. 136; p. 872.
 Heater. W. H. Ramaley. No. 901,829; Oct. 20; Sp. p. 3695; Dr. p. 750; Gaz. vol. 136; p. 1711.
 Heater. J. C. Plank and T. E. Fulghum. No. 904,642; Nov. 24; Sp. p. 4330; Gaz. vol. 137; p. 787.
 Heater. W. L. Moore. No. 905,560; Dec. 1; Sp. p. 909; Gaz. vol. 137; p. 1128.
 Heater. W. Norris. No. 907,863; Dec. 29; Sp. p. 5425; Gaz. vol. 137; p. 1998.
 Heater and drier. H. W. Ash. No. 887,906; May 19; Sp. p. 3199; Dr. pp. 672-3; Gaz. vol. 134; p. 576.
 Heaters, Apparatus for cleaning water-. G. J. Dehn. No. 878,280; Feb. 4; Sp. p. 792; Dr. p. 158; Gaz. vol. 132; p. 976.
 Heating and lighting apparatus, Gasoline. T. J. Forde. No. 883,946; Apr. 7; Sp. p. 556; Dr. p. 111; Gaz. vol. 133; p. 1281.
 Heating and ventilating apparatus. E. F. Osborne. No. 886,325; Apr. 28; Sp. p. 5450; Dr. pp. 1143-4; Gaz. vol. 133; p. 2149.
 Heating and ventilating appliance. J. L. Waterbury. No. 904,240; Nov. 17; Sp. p. 3499; Gaz. vol. 137; p. 626.
 Heating and ventilating device. T. Jaap. No. 894,655; July 28; Sp. p. 4741; Dr. p. 964; Gaz. vol. 135; p. 827.
 Heating and ventilating device. J. L. Waterbury and C. Waterman. No. 903,644; Nov. 10; Sp. p. 2229; Gaz. vol. 137; p. 394.
 Heating and ventilating system. W. R. Macdonald. No. 877,936; Feb. 4; Sp. p. 80; Dr. pp. 16-17; Gaz. vol. 132; p. 862.
 Heating and ventilating system. J. E. Moore. No. 886,391; May 5; Sp. p. 97; Dr. p. 20; Gaz. vol. 134; p. 21.
 Heating and ventilating system. F. Belvin. No. 891,900; June 30; Sp. p. 5530; Dr. p. 1193; Gaz. vol. 134; p. 2066.
 Heating and ventilating system. H. A. Wernecke. No. 893,961; July 21; Sp. p. 3300; Dr. p. 678; Gaz. vol. 135; p. 579.
 Heating and ventilating system. D. D. Harr. No. 907,044; Dec. 15; Sp. p. 3704; Gaz. vol. 137; p. 1659.
 Heating and welding furnace. W. N. Best. No. 893,974; July 21; Sp. p. 3334; Dr. p. 683; Gaz. vol. 135; p. 583.
 Heating apparatus. W. Schramm and F. Becker. No. 876,495; Jan. 14; Sp. p. 1637; Dr. p. 355; Gaz. vol. 132; p. 299.
 Heating apparatus. A. Zeek and F. Van Zeek. No. 880,954; Mar. 3; Sp. p. 941; Dr. p. 203; Gaz. vol. 133; p. 159.
 Heating apparatus. T. J. Porter. No. 895,679; Aug. 11; Sp. p. 1804; Dr. p. 384; Gaz. vol. 135; p. 1217.
 Heating apparatus. J. N. Young. No. 897,506; Sept. 1; Sp. p. 540; Dr. p. 115; Gaz. vol. 136; p. 87.
 Heating apparatus. H. A. Biermann. No. 905,140; Dec. 1; Sp. p. 27; Gaz. vol. 137; p. 988.
 Heating apparatus. T. T. Hossack. No. 906,428; Dec. 8; Sp. p. 2551; Gaz. vol. 137; p. 1439.
 Heating apparatus. L. L. Lewis. No. 906,439; Dec. 8; Sp. p. 2574; Gaz. vol. 137; p. 1443.
 Heating apparatus, Air-. F. W. Green. No. 883,951; Apr. 7; Sp. p. 578; Dr. p. 115; Gaz. vol. 133; p. 1283.
 Heating apparatus, Electric. W. H. Ripley. No. 893,015; July 14; Sp. p. 1282; Dr. p. 270; Gaz. vol. 135; p. 239.
 Heating apparatus, Electrical. R. G. Pheysey. No. 888,923; May 26; Sp. p. 5252; Dr. p. 1114; Gaz. vol. 134; p. 940.
 Heating apparatus for heating buildings and the like, Device for evaporating water in. G. Struck. No. 894,077; July 21; Sp. p. 3547; Dr. p. 727; Gaz. vol. 135; p. 618.
 Heating apparatus, Gas. T. P. Watts. No. 880,844; Mar. 3; Sp. p. 733; Dr. p. 155; Gaz. vol. 133; p. 124.
 Heating apparatus, Portable hot-fluid. H. T. Offterdinger. No. 886,305; Apr. 28; Sp. p. 5398; Dr. p. 1133; Gaz. vol. 133; p. 2141.
 Heating apparatus, Steam-. M. F. Smith. No. 902,539; Oct. 27; Sp. p. 5207; Dr. pp. 1051-2; Gaz. vol. 136; p. 1974.
 Heating apparatus, Water-. G. W. Mason. No. 904,138; Nov. 17; Sp. p. 3257; Gaz. vol. 137; p. 591.
 Heating apparatus, Water-. J. B. Beauvais. No. 904,297; Nov. 17; Sp. p. 3625; Gaz. vol. 137; p. 645.
 Heating appliance. W. B. Brind. No. 904,833; Nov. 24; Sp. p. 4745; Gaz. vol. 137; p. 851.
 Heating, Art of. E. H. Gold. No. 886,969; May 5; Sp. p. 1256; Dr. p. 265; Gaz. vol. 134; p. 208.
 Heating-boiler. H. M. Wells. No. 905,613; Dec. 1; Sp. p. 1006; Gaz. vol. 137; p. 1144.
 Heating device. W. E. H. Morse. No. 881,017; Mar. 3; Sp. p. 1057; Dr. p. 229; Gaz. vol. 133; p. 180.
 Heating device. C. G. Armstrong. No. 885,683; Apr. 21; Sp. p. 4132; Dr. p. 864; Gaz. vol. 133; p. 1905.
 Heating device, Electric. W. S. Andrews and H. J. Mauger. No. 888,381; May 19; Sp. p. 4091; Dr. p. 864; Gaz. vol. 134; p. 728.
 Heating device, Electric. W. S. Hadaway, Jr. No. 890,856; June 16; Sp. p. 3379; Dr. p. 741; Gaz. vol. 134; p. 1658.
 Heating device, Electric. W. S. Hadaway, Jr. No. 890,858; June 16; Sp. p. 3382; Dr. p. 741; Gaz. vol. 134; p. 1659.
 Heating device, Electric. W. C. Mortensen. No. 900,295; Oct. 6; Sp. p. 479; Dr. p. 99; Gaz. vol. 136; p. 1148.
 Heating element, Electrical. F. Kuhn. No. 887,333; May 12; Sp. p. 2042; Dr. p. 427; Gaz. vol. 134; p. 357.
 Heating-furnace. C. A. Robinson. No. 883,747; Apr. 7; Sp. p. 131; Dr. p. 24; Gaz. vol. 133; p. 1215.
 Heating-furnace. W. T. Stewart. No. 887,866; May 19; Sp. p. 3118; Dr. p. 654; Gaz. vol. 134; p. 563.
 Heating-furnace. W. N. Best. No. 899,285; Sept. 22; Sp. p. 4052; Dr. p. 866; Gaz. vol. 136; p. 752.
 Heating-furnace. J. J. Harkins. No. 906,416; Dec. 8; Sp. p. 2525; Gaz. vol. 137; p. 1434.
 Heating furnace, Air and water. C. A. Gibbs. No. 882,558; Mar. 24; Sp. p. 4108; Dr. p. 871; Gaz. vol. 133; p. 771.
 Heating-furnace, Continuous. D. Davis. No. 901,230; Oct. 13; Sp. p. 2386; Dr. p. 488; Gaz. vol. 136; p. 1476.

Alphabetical list of inventions—Continued.

- Heating furnace, Ingot-. P. Schmidt and A. Desgraz. No. 903,511; Nov. 10; Sp. p. 1956; Gaz. vol. 137; p. 351.
 Heating or cooling apparatus. J. Heizmann. No. 888,169; May 19; Sp. p. 3695; Dr. p. 770; Gaz. vol. 134; p. 659.
 Heating-pipes, Sanitary dirt-guard for. J. W. Stoker and E. S. Jones. No. 895,420; Aug. 18; Sp. p. 3270; Dr. p. 701; Gaz. vol. 135; p. 1477.
 Heating plant for buildings. Hot-water. C. Obrebrowicz. No. 904,215; Nov. 17; Sp. p. 3435; Gaz. vol. 137; p. 618.
 Heating system. J. M. W. Kitchen. No. 880,542; Mar. 3; Sp. p. 90; Dr. p. 21; Gaz. vol. 133; p. 20.
 Heating system. F. J. Melton. No. 880,806; Mar. 3; Sp. p. 641; Dr. p. 134; Gaz. vol. 133; p. 111.
 Heating system. T. F. Scollard. No. 886,079; Apr. 28; Sp. p. 4967; Dr. p. 1045; Gaz. vol. 133; p. 2065.
 Heating system. H. L. Winslow. No. 888,773; May 26; Sp. p. 4925; Dr. pp. 1049-50; Gaz. vol. 134; p. 890.
 Heating system. J. J. Lawler. No. 889,382; June 2; Sp. p. 383; Dr. pp. 90-1; Gaz. vol. 134; p. 1119.
 Heating system. E. H. Gold. No. 890,138; June 9; Sp. p. 1888; Dr. pp. 418-19; Gaz. vol. 134; p. 1391.
 Heating system. R. E. Atkinson. No. 893,124; July 14; Sp. p. 1492; Dr. p. 315; Gaz. vol. 135; p. 274.
 Heating system. E. N. Fairchild. No. 897,609; Sept. 1; Sp. p. 761; Dr. p. 160; Gaz. vol. 136; p. 120.
 Heating system. H. Salmon. No. 899,078; Sept. 22; Sp. p. 3624; Dr. p. 776; Gaz. vol. 136; p. 684.
 Heating system. A. G. Paul. No. 899,838; Sept. 29; Sp. p. 5157; Dr. p. 1104; Gaz. vol. 136; p. 967.
 Heating system. A. G. Paul. No. 899,839; Sept. 29; Sp. p. 5161; Dr. p. 1105; Gaz. vol. 136; p. 968.
 Heating system. E. T. Greenfield. No. 902,148; Oct. 27; Sp. p. 4339; Dr. p. 879; Gaz. vol. 136; p. 1844.
 Heating system. E. H. Gold. No. 902,575; Nov. 3; Sp. p. 84; Gaz. vol. 137; p. 14.
 Heating system. A. J. Van Doren. No. 904,381; Nov. 17; Sp. p. 3778; Gaz. vol. 137; p. 673.
 Heating system. E. H. Gold. No. 907,033; Dec. 15; Sp. p. 3683; Gaz. vol. 137; p. 1656.
 Heating-system attachment. E. H. Gold. No. 895,177; Aug. 4; Sp. p. 802; Dr. p. 167; Gaz. vol. 135; p. 1027.
 Heating system, Automatic steam-. F. Grote. No. 897,739; Sept. 1; Sp. p. 1005; Dr. p. 214; Gaz. vol. 136; p. 162.
 Heating system, Steam-. J. A. Donnelly. No. 882,300; Mar. 17; Sp. p. 3625; Dr. p. 769; Gaz. vol. 133; p. 653.
 Heating system, Steam-. W. H. Pearce. No. 887,513; May 12; Sp. p. 2421; Dr. p. 510; Gaz. vol. 134; p. 416.
 Heating system, Vacuum. J. L. Welschans. No. 905,037; Nov. 24; Sp. p. 5153; Gaz. vol. 137; p. 919.
 Heating system, Water-. H. M. Hill. No. 895,638; Aug. 11; Sp. p. 1719; Dr. p. 365; Gaz. vol. 135; p. 1203.
 Heating systems, Pressure-regulator for water-. C. Phelps. No. 896,856; Aug. 25; Sp. p. 4167; Dr. p. 892; Gaz. vol. 135; p. 1643.
 Heating systems, Regulating. H. C. Mallory. No. 893,339; July 14; Sp. p. 1909; Dr. pp. 399-400; Gaz. vol. 135; p. 343.
 Heating systems, Regulating device for steam-. J. F. McElroy. No. 884,287; Apr. 7; Sp. p. 1253; Dr. p. 263; Gaz. vol. 133; p. 1392.
 Heating systems, Vacuum apparatus for steam-. F. A. Simonds. No. 893,269; July 14; Sp. p. 1782; Dr. pp. 374-5; Gaz. vol. 135; p. 322.
 Heating systems, Vacuum-generating apparatus for steam-. W. E. Tillinghast. No. 900,233; Oct. 6; Sp. p. 327; Dr. p. 68; Gaz. vol. 136; p. 1126.
 Heating vessel, Electrical. A. A. Warner. No. 893,209; July 14; Sp. p. 1665; Dr. pp. 351-2; Gaz. vol. 135; p. 301.
 Hectograph composition. W. Doctor. No. 886,771; May 5; Sp. p. 900; Gaz. vol. 134; p. 148.
 Heddle. W. S. Lackey. No. 887,102; May 12; Sp. p. 1529; Dr. p. 323; Gaz. vol. 134; p. 280.
 Heddle-frame. C. E. Briggs. No. 889,655; June 2; Sp. p. 903; Dr. p. 209; Gaz. vol. 134; p. 1207.
 Hedge-trimmer. F. L. Gilman. No. 902,529; Oct. 27; Sp. p. 5184; Dr. p. 1048; Gaz. vol. 136; p. 1971.
 Heel. L. H. Shaw. No. 880,583; Mar. 3; Sp. p. 189; Dr. p. 41; Gaz. vol. 133; p. 35.
 Heel. T. Lund. No. 880,898; Mar. 3; Sp. p. 842; Dr. p. 179; Gaz. vol. 133; p. 142.
 Heel. R. H. Bennett. No. 881,535; Mar. 10; Sp. p. 2071; Dr. p. 453; Gaz. vol. 133; p. 377.
 Heel. M. R. Crossman. No. 887,593; May 12; Sp. p. 2564; Dr. p. 540; Gaz. vol. 134; p. 442.
 Heel. C. L. Whiting. No. 891,513; June 23; Sp. p. 4727; Dr. p. 1023; Gaz. vol. 134; p. 1905.
 Heel and means for attaching same to boots and shoes, Interchangeable. W. White. No. 895,924; Aug. 11; Sp. p. 2286; Dr. p. 488; Gaz. vol. 135; p. 1295.
 Heel-attaching machine. J. H. Pope. No. 884,524; Apr. 14; Sp. p. 1731; Dr. pp. 371-2; Gaz. vol. 133; p. 1498.
 Heel attachment, Shoe-. E. Rennie. No. 879,904; Feb. 25; Sp. p. 4189; Dr. p. 874; Gaz. vol. 132; p. 1613.
 Heel, Boot and shoe. W. C. Turpel. No. 884,780; Apr. 14; Sp. p. 2294; Dr. p. 482; Gaz. vol. 133; p. 1584.
 Heel, Boot and shoe. S. Burnham. No. 892,647; July 7; Sp. p. 495; Dr. p. 105; Gaz. vol. 135; p. 88.
 Heel, Boot and shoe. J. W. Walker. No. 895,130; Aug. 4; Sp. p. 709; Dr. p. 148; Gaz. vol. 135; p. 1012.
 Heel, Boot and shoe. J. A. Foster. No. 900,920; Oct. 13; Sp. p. 1815; Dr. p. 368; Gaz. vol. 136; p. 1378.
 Heel, Boot or shoe. C. F. Hamel and W. G. Vollmayer. No. 881,921; Mar. 17; Sp. p. 2878; Dr. p. 613; Gaz. vol. 133; p. 532.
 Heel-breasting machine. A. D. Elliott. No. 880,868; Mar. 3; Sp. p. 788; Dr. p. 167; Gaz. vol. 133; p. 132.
 Heel-building machine. C. O. Ryberg. No. 891,503; June 23; Sp. p. 4697; Dr. p. 1017; Gaz. vol. 134; p. 1902.
 Heel, Cushion-. R. W. Perry. No. 877,450; Jan. 21; Sp. p. 3609; Dr. p. 781; Gaz. vol. 132; p. 656.
 Heel, Cushion-. R. W. Perry. No. 882,268; Mar. 17; Sp. p. 3572; Dr. p. 758; Gaz. vol. 133; p. 644.
 Heel-cushion. M. Byrne. No. 897,874; Sept. 8; Sp. p. 1292; Dr. p. 276; Gaz. vol. 136; p. 236.
 Heel, Detachable shoe-. L. Sedivi. No. 879,011; Feb. 11; Sp. p. 2307; Dr. p. 482; Gaz. vol. 132; p. 1247.
 Heel for foot-gear. R. Gerlach. No. 908,088; Dec. 29; Sp. p. 5891; Gaz. vol. 137; p. 2071.
 Heel-lift. J. Curry. No. 907,471; Dec. 22; Sp. p. 4598; Gaz. vol. 137; p. 1840.
 Heel-locking device, Adjustable-. C. S. Shute. No. 887,020; May 5; Sp. p. 1350; Dr. p. 286; Gaz. vol. 134; p. 225.
 Heel-making machine. J. L. Rakerd. No. 898,680; Sept. 15; Sp. p. 2904; Dr. pp. 621-2; Gaz. vol. 136; p. 528.
 Heel-nailing machine. B. F. Mayo. No. 884,513; Apr. 14; Sp. p. 1710; Dr. pp. 367-8; Gaz. vol. 133; p. 1494.
 Heel-nailing machine. C. C. Small. No. 891,192; June 16; Sp. p. 4034; Dr. pp. 884-6; Gaz. vol. 134; p. 1766.
 Heel-nailing machine. E. A. Webster. No. 900,244; Oct. 6; Sp. p. 349; Dr. p. 73; Gaz. vol. 136; p. 1130.
 Heel-plate. H. J. Griswold. No. 887,791; May 19; Sp. p. 2960; Dr. p. 623; Gaz. vol. 134; p. 538.
 Heel-plate. J. Liden. No. 898,118; Sept. 8; Sp. p. 1812; Dr. p. 384; Gaz. vol. 136; p. 316.
 Heel-plate, Rubber. G. H. Leaf. No. 908,109; Dec. 29; Sp. p. 5936; Gaz. vol. 137; p. 2078.
 Heel-protector. I. Lincoln. No. 898,233; Sept. 8; Sp. p. 2040; Dr. p. 433; Gaz. vol. 136; p. 352.
 Heel-scourer guard. N. C. Bohr. No. 883,445; Mar. 31; Sp. p. 5926; Dr. p. 1265; Gaz. vol. 133; p. 1093.
 Heel-seat-forming machine. S. J. Wentworth. No. 896,873; Aug. 25; Sp. p. 4200; Dr. p. 900; Gaz. vol. 135; p. 1648.
 Heel-seat trimmer for patent-leather. D. H. Hadsell. No. 886,291; Apr. 28; Sp. p. 5368; Dr. p. 1128; Gaz. vol. 133; p. 2136.
 Heel, Spring-. F. P. D'Arcy. No. 903,179; Nov. 10; Sp. p. 1293; Gaz. vol. 137; p. 242.
 Heel support, Shoe-. V. E. Harris. No. 882,109; Mar. 17; Sp. p. 3259; Dr. p. 693; Gaz. vol. 133; p. 593.
 Heels of boots and shoes, Machine for finishing the. W. C. Evans and E. H. Taylor. No. 896,285; Aug. 18; Sp. p. 2978; Dr. pp. 642-4; Gaz. vol. 135; p. 1434.
 Heels or soles of boots and shoes, Metallic protector for. J. H. Vinton. No. 882,542; Mar. 17; Sp. p. 4074; Dr. p. 866; Gaz. vol. 133; p. 734.
 Heels, soles, &c., Finishing surfaces of. W. W. Crooker. No. 876,861; Jan. 14; Sp. p. 2377; Gaz. vol. 132; p. 420.
 Heels to boots and shoes, Machine for attaching. V. Sandahl. No. 878,675; Feb. 11; Sp. p. 1670; Dr. p. 344-5; Gaz. vol. 132; p. 1141.
 Height-increaser, heel-cushion, and stocking-protector, Combination. L. W. Litch. No. 898,120; Sept. 8; Sp. p. 1814; Dr. p. 385; Gaz. vol. 136; p. 316.
 Hem and bias-fold gage, Combination. L. M. Springer. No. 905,382; Dec. 1; Sp. p. 508; Gaz. vol. 137; p. 1070.
 Hem-finder. G. F. Oldham. No. 879,304; Feb. 18; Sp. p. 2897; Dr. p. 604; Gaz. vol. 132; p. 1384.
 Hem or seam for sewing articles. J. G. Lewis. No. 903,995; Nov. 17; Sp. p. 2959; Gaz. vol. 137; p. 541.
 Hems, Device for turning the primary folds for. D. Maus. No. 877,659; Jan. 28; Sp. p. 4048; Dr. p. 875; Gaz. vol. 132; p. 746.
 Hemmer. A. Martin. No. 880,678; Mar. 3; Sp. p. 374; Dr. p. 82; Gaz. vol. 133; p. 66.
 Hemstitch-machine. M. Gould. No. 892,372; June 30; Sp. p. 6435; Dr. pp. 1388-9; Gaz. vol. 134; p. 2218.
 Hemostatic dressing, Preparing. A. W. Ball. No. 892,022; June 30; Sp. p. 5769; Dr. p. 1241; Gaz. vol. 134; p. 2104.
 Hemp-brake. G. E. Worth. No. 878,702; Feb. 11; Sp. p. 1721; Dr. p. 356; Gaz. vol. 132; p. 1150.
 Hemp-brake. F. O'Neill, Jr. No. 889,258; June 2; Sp. p. 122; Dr. pp. 29-31; Gaz. vol. 134; p. 4079.
 Hen-house or brooder ventilator. G. H. Lee. No. 906,243; Dec. 8; Sp. p. 2223; Gaz. vol. 137; p. 1381.
 Hide-tanning compound. G. W. Langley. No. 907,060; Dec. 15; Sp. p. 3733; Gaz. vol. 137; p. 1665.
 Hide-working machine. J. W. Aulson. No. 890,750; June 16; Sp. p. 3177; Dr. pp. 694-5; Gaz. vol. 134; p. 1624.
 Hide-working machine. R. F. Whitney. No. 900,334; Oct. 6; Sp. p. 553; Dr. pp. 115-16; Gaz. vol. 136; p. 1159.
 Hides for the manufacture of leather, Preparation of. O. Röhm. No. 886,411; May 5; Sp. p. 147; Gaz. vol. 134; p. 29.
 Hides or skins into leather, Converting. A. E. Kelk. No. 881,246; Mar. 10; Sp. p. 1506; Gaz. vol. 133; p. 284.
 Hides or skins, Machine for treating. D. P. O'Brien. No. 904,079; Nov. 17; Sp. p. 3129; Gaz. vol. 137; p. 569.
 Hides, skins, and leather, Machine for treating. F. J. Perkins and J. W. Smith. No. 887,121; May 12; Sp. p. 1556; Dr. pp. 329-30; Gaz. vol. 134; p. 286.
 Hides, skins, and leather, Machine for treating. F. H. Teel. No. 891,787; June 23; Sp. p. 5287; Dr. pp. 1144-5; Gaz. vol. 134; p. 1997.
 Hides, Treating. F. R. Wessa. No. 883,124; Mar. 24; Sp. p. 5236; Dr. p. 1117; Gaz. vol. 133; p. 957.

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- Hides, Treating. W. J. Ward. No. 903,034; Nov. 3; Sp. p. 1015; Gaz. vol. 137; p. 166.
- Hides, Treatment of. R. Withey. No. 894,171; July 21; Sp. p. 3736; Gaz. vol. 135; p. 648.
- High-frequency apparatus. C. C. Ruprecht. No. 892,764; July 7; Sp. p. 724; Dr. pp. 153-4; Gaz. vol. 135; p. 125.
- High-frequency discharge apparatus. J. E. Seeley. No. 880,046; Feb. 25; Sp. p. 4469; Dr. pp. 938-9; Gaz. vol. 132; p. 1659.
- High-frequency generator, Alternating-current. E. F. W. Alexanderson. No. 905,621; Dec. 1; Sp. p. 1020; Gaz. vol. 137; p. 1147.
- High-potential systems, Protective device for. R. Apt. No. 890,592; June 16; Sp. p. 2821; Dr. p. 621; Gaz. vol. 134; p. 1570.
- Hinge. W. B. Rodman. No. 879,067; Feb. 11; Sp. p. 2401; Dr. p. 502; Gaz. vol. 132; p. 1264.
- Hinge. J. R. Hartman. No. 879,542; Feb. 18; Sp. p. 3389; Dr. p. 709; Gaz. vol. 132; p. 1461.
- Hinge. J. Soss. No. 880,697; Mar. 3; Sp. p. 405; Dr. pp. 87-8; Gaz. vol. 133; p. 73.
- Hinge. D. Rugg. No. 880,757; Mar. 3; Sp. p. 544; Dr. p. 113; Gaz. vol. 133; p. 94.
- Hinge. F. A. Lebkuecher. No. 880,892; Mar. 3; Sp. p. 835; Dr. p. 178; Gaz. vol. 133; p. 140.
- Hinge. J. W. Donaldson. No. 881,308; Mar. 10; Sp. p. 1637; Dr. p. 350; Gaz. vol. 133; p. 305.
- Hinge. R. G. Winter. No. 883,998; Apr. 7; Sp. p. 670; Dr. p. 134; Gaz. vol. 133; p. 1299.
- Hinge. R. G. Winter. No. 883,999; Apr. 7; Sp. p. 672; Dr. p. 135; Gaz. vol. 133; p. 1299.
- Hinge. C. B. Trumble. No. 887,548; May 12; Sp. p. 2481; Dr. p. 524; Gaz. vol. 134; p. 427.
- Hinge. H. P. Squiers and E. A. Buck. No. 888,049; May 19; Sp. p. 3469; Dr. p. 726; Gaz. vol. 134; p. 622.
- Hinge. J. A. Raith. No. 888,531; May 26; Sp. p. 4401; Dr. p. 933; Gaz. vol. 134; p. 808.
- Hinge. R. J. Morg. No. 889,539; June 2; Sp. p. 698; Dr. p. 160; Gaz. vol. 134; p. 1169.
- Hinge. J. Murray. No. 889,631; June 2; Sp. p. 865; Dr. p. 198; Gaz. vol. 134; p. 1199.
- Hinge. W. A. Markey. No. 889,798; June 2; Sp. p. 1181; Dr. p. 273; Gaz. vol. 134; p. 1251.
- Hinge. A. A. Swenson. No. 890,469; June 9; Sp. p. 2551; Dr. p. 565; Gaz. vol. 134; p. 1497.
- Hinge. E. Witman, Jr. No. 890,547; June 9; Sp. p. 2708; Dr. p. 598; Gaz. vol. 134; p. 1523.
- Hinge. J. Diehl. No. 891,235; June 23; Sp. p. 4152; Dr. p. 909; Gaz. vol. 134; p. 1813.
- Hinge. H. Zimmermann. No. 892,491; July 7; Sp. p. 197; Dr. p. 41; Gaz. vol. 135; p. 37.
- Hinge. B. E. Byrd. No. 892,577; July 7; Sp. p. 350; Gaz. vol. 135; p. 65.
- Hinge. H. Kirschbaum. No. 893,631; July 21; Sp. p. 2558; Dr. p. 533; Gaz. vol. 135; p. 469.
- Hinge. N. Gudeman. No. 894,630; July 28; Sp. p. 4696; Dr. p. 975; Gaz. vol. 135; p. 819.
- Hinge. J. N. Weller. No. 895,704; Aug. 11; Sp. p. 1851; Dr. p. 393; Gaz. vol. 135; p. 1225.
- Hinge. R. P. Hawley. No. 898,360; Sept. 8; Sp. p. 2253; Dr. p. 480; Gaz. vol. 136; p. 391.
- Hinge. H. M. Herr. No. 898,647; Sept. 15; Sp. p. 2840; Dr. p. 606; Gaz. vol. 136; p. 518.
- Hinge. M. S. Nolan. No. 900,579; Oct. 6; Sp. p. 1086; Dr. p. 223; Gaz. vol. 136; p. 1240.
- Hinge. M. L. Robbins. No. 902,606; Nov. 3; Sp. p. 156; Gaz. vol. 137; p. 25.
- Hinge. H. K. and H. L. Fairall. No. 902,809; Nov. 3; Sp. p. 529; Gaz. vol. 137; p. 92.
- Hinge. L. H. Schwanbeck. No. 903,236; Nov. 10; Sp. p. 1407; Gaz. vol. 137; p. 260.
- Hinge. W. B. Rodman. (Reissue.) No. 12,876; Nov. 10; Sp. p. 2592; Gaz. vol. 137; p. 453.
- Hinge. J. Magnussen. No. 905,201; Dec. 1; Sp. p. 163; Gaz. vol. 137; p. 1009.
- Hinge. T. M. Blackwell. No. 905,834; Dec. 8; Sp. p. 1432; Gaz. vol. 137; p. 1248.
- Hinge. J. B. Mayo. No. 906,043; Dec. 8; Sp. p. 1835; Gaz. vol. 137; p. 1315.
- Hinge. H. L. Spradling. No. 906,322; Dec. 8; Sp. p. 2377; Gaz. vol. 137; p. 1407.
- Hinge. F. G. Holbrook. No. 907,693; Dec. 22; Sp. p. 5096; Gaz. vol. 137; p. 1912.
- Hinge. W. H. Fromhart. No. 907,768; Dec. 29; Sp. p. 5244; Gaz. vol. 137; p. 1967.
- Hinge. A. J. Howey. No. 908,100; Dec. 29; Sp. p. 5925; Gaz. vol. 137; p. 2075.
- Hinge, Adjustable door-. J. M. Shepard. No. 903,328; Nov. 10; Sp. p. 1580; Gaz. vol. 137; p. 291.
- Hinge and latch, Combined gate. S. Montgomery. No. 890,368; June 9; Sp. p. 2376; Dr. p. 524; Gaz. vol. 134; p. 1465.
- Hinge, Barn-door-. W. L. Selleck. No. 892,556; July 7; Sp. p. 313; Dr. p. 68; Gaz. vol. 135; p. 59.
- Hinge, Box-. A. H. Weiss. No. 899,818; Sept. 29; Sp. p. 5126; Dr. p. 1006; Gaz. vol. 136; p. 962.
- Hinge-butt gate. C. Bodmer. No. 875,688; Jan. 7; Sp. p. 21; Dr. p. 4; Gaz. vol. 132; p. 5.
- Hinge-clamp. R. V. D. Stoutenburgh. No. 902,343; Oct. 27; Sp. p. 4772; Dr. p. 962; Gaz. vol. 136; p. 1908.
- Hinge construction for safe and vault doors, Adjustable-. J. H. Williams. No. 879,229; Feb. 18; Sp. p. 2738; Dr. p. 571; Gaz. vol. 132; p. 1359.
- Hinge, Detachable screen-door. J. C. Taylor. No. 890,471; June 9; Sp. p. 2560; Dr. p. 567; Gaz. vol. 134; p. 1497.
- Hinge, Door-. W. L. von de Marwitz. No. 880,317; Feb. 25; Sp. p. 5004; Dr. p. 1055; Gaz. vol. 132; p. 1749.
- Hinge, Door-. V. Kiple. No. 904,620; Nov. 24; Sp. p. 4279; Gaz. vol. 137; p. 779.
- Hinge, Double-acting spring-. E. Bommer. No. 898,031; Sept. 8; Sp. p. 1645; Dr. p. 350; Gaz. vol. 136; p. 288.
- Hinge, Double-acting spring-. M. A. Erickson. No. 901,796; Oct. 20; Sp. p. 3643; Dr. pp. 736-7; Gaz. vol. 136; p. 1701.
- Hinge, Flask-. H. F. Manifold. No. 881,325; Mar. 10; Sp. p. 1662; Dr. p. 356; Gaz. vol. 133; p. 310.
- Hinge for day-gates, Gravitating-. F. W. Rodier. No. 898,005; Sept. 8; Sp. p. 1578; Dr. p. 337; Gaz. vol. 136; p. 280.
- Hinge for Morris chairs, &c. C. L. Grelick. No. 877,766; Jan. 28; Sp. p. 4240; Dr. p. 920; Gaz. vol. 132; p. 779.
- Hinge for scale and wagon racks, Combination-. C. W. Worthington. No. 887,889; May 19; Sp. p. 3167; Dr. p. 666; Gaz. vol. 134; p. 570.
- Hinge for screen-doors, Spring-. E. Bommer. No. 882,289; Mar. 17; Sp. p. 3608; Dr. p. 765; Gaz. vol. 133; p. 650.
- Hinge for screens, Separable-. H. B. Higgins. No. 892,993; July 14; Sp. p. 1243; Dr. p. 261; Gaz. vol. 135; p. 232.
- Hinge for vault-light and other doors. W. N. Mayhew. No. 893,807; July 21; Sp. p. 2982; Dr. p. 611; Gaz. vol. 135; p. 528.
- Hinge for water-closet seats, covers, and the like, Post-. G. A. Geary. No. 900,514; Oct. 6; Sp. p. 957; Dr. p. 194; Gaz. vol. 136; p. 1218.
- Hinge for window-sashes, &c. M. R. Cadey. No. 893,594; July 14; Sp. p. 2469; Dr. p. 513; Gaz. vol. 135; p. 426.
- Hinge for window-screens. R. W. Carrington. No. 882,813; Mar. 24; Sp. p. 4614; Dr. p. 983; Gaz. vol. 133; p. 855.
- Hinge-gate. W. A. Durst. No. 891,330; June 23; Sp. p. 4345; Dr. p. 947; Gaz. vol. 134; p. 1845.
- Hinge, Gate-. W. J. Pearson. No. 880,036; Feb. 25; Sp. p. 4453; Dr. p. 934; Gaz. vol. 132; p. 1656.
- Hinge, Gate-. D. E. Stettler. No. 880,340; Feb. 25; Sp. p. 5042; Dr. p. 1004; Gaz. vol. 132; p. 1756.
- Hinge, Gate-. T. Monson. No. 880,902; Mar. 3; Sp. p. 850; Dr. p. 181; Gaz. vol. 133; p. 143.
- Hinge, Gate-. C. A. Johnson. No. 883,900; Apr. 7; Sp. p. 597; Dr. p. 119; Gaz. vol. 133; p. 1286.
- Hinge, Gate-. F. McCollum. No. 894,036; July 21; Sp. p. 3471; Dr. p. 710; Gaz. vol. 135; p. 604.
- Hinge, Gate-. F. W. Kalsow. No. 894,442; July 28; Sp. p. 4329; Dr. p. 892; Gaz. vol. 135; p. 758.
- Hinge, Gate-. I. Lester. No. 897,296; Sept. 1; Sp. p. 52; Dr. p. 12; Gaz. vol. 136; p. 12.
- Hinge, Gate-. G. B. Manlove. No. 904,791; Nov. 24; Sp. p. 4658; Gaz. vol. 137; p. 837.
- Hinge, Gravitating-. E. J. Meyers. No. 893,003; July 14; Sp. p. 1262; Dr. p. 265; Gaz. vol. 135; p. 235.
- Hinge, Gravity-. J. E. Gloekler. No. 903,704; Nov. 10; Sp. p. 2343; Gaz. vol. 137; p. 412.
- Hinge-joint. I. L. Kiser. No. 883,893; Apr. 7; Sp. p. 450; Dr. p. 89; Gaz. vol. 133; p. 1263.
- Hinge-joint. R. D. Jones, Jr. No. 906,892; Dec. 15; Sp. p. 3437; Gaz. vol. 137; p. 1612.
- Hinge, Lock-. J. A. Waters. No. 889,834; June 2; Sp. p. 1251; Dr. p. 288; Gaz. vol. 134; p. 1263.
- Hinge, Screen-. W. Gossett. No. 884,146; Apr. 7; Sp. p. 1013; Dr. p. 211; Gaz. vol. 133; p. 1347.
- Hinge, Screen-door spring-. A. Falkenrath. No. 900,501; Oct. 6; Sp. p. 931; Dr. p. 189; Gaz. vol. 136; p. 1213.
- Hinge-seat-cutting tool. G. M. White. No. 886,750; May 5; Sp. p. 852; Dr. p. 177; Gaz. vol. 134; p. 141.
- Hinge-seat gate. H. C. Bunting. No. 899,947; Sept. 29; Sp. p. 5402; Dr. p. 1152; Gaz. vol. 136; p. 1002.
- Hinge, Shipping-can. H. N. Backus. No. 894,998; Aug. 4; Sp. p. 455; Dr. p. 92; Gaz. vol. 135; p. 967.
- Hinge, Shutter-. J. B. Williams. No. 900,336; Oct. 6; Sp. p. 559; Dr. p. 116; Gaz. vol. 136; p. 1160.
- Hinge, Spring-. A. L. Stump and F. Brucker. No. 880,596; Mar. 3; Sp. p. 223; Dr. p. 47; Gaz. vol. 133; p. 39.
- Hinge, Spring-. W. K. Bucher. No. 882,140; Mar. 17; Sp. p. 3305; Dr. p. 705; Gaz. vol. 133; p. 602.
- Hinge, Spring-. F. Brucker. No. 886,474; May 5; Sp. p. 269; Dr. p. 57; Gaz. vol. 134; p. 49.
- Hinge, Spring-. D. W. McNeil. No. 902,596; Nov. 3; Sp. p. 133; Gaz. vol. 137; p. 22.
- Hinge, Storm-window. J. W. Councilor. No. 875,897; Jan. 7; Sp. p. 416; Dr. p. 92; Gaz. vol. 132; p. 76.
- Hinge-support. T. Settle. No. 898,933; Sept. 15; Sp. p. 3353; Dr. p. 720; Gaz. vol. 136; p. 610.
- Hinge, Transmitter-. J. A. Birfield. No. 902,642; Nov. 3; Sp. p. 220; Gaz. vol. 137; p. 37.
- Hinge, Window-blind. B. E. Byrd. No. 898,178; May 26; Sp. p. 5767; Dr. p. 1220; Gaz. vol. 134; p. 1021.
- Hip-strap line-holder. B. F. Harsh. No. 891,167; June 16; Sp. p. 3988; Dr. p. 876; Gaz. vol. 134; p. 1758.
- Hitching and releasing mechanism for animals, Combined. G. Schrepfer. No. 895,309; Aug. 4; Sp. p. 1088; Dr. p. 228; Gaz. vol. 135; p. 1073.
- Hitching-block, Portable. J. B. Barnett. No. 887,026; May 5; Sp. p. 1367; Dr. p. 290; Gaz. vol. 134; p. 227.
- Hitching device. A. Wagner. No. 886,166; Apr. 28; Sp. p. 5135; Dr. p. 1079; Gaz. vol. 133; p. 2093.
- Hitching device for teams, Automatic. E. Brownfield. No. 903,445; Nov. 10; Sp. p. 1806; Gaz. vol. 137; p. 328.
- Hitching device, Horse-. N. C. Stocker. No. 900,964; Oct. 13; Sp. p. 1906; Dr. p. 388; Gaz. vol. 136; p. 1392.
- Hitching device, Rein-. W. E. Colenso. No. 889,660; June 2; Sp. p. 911; Dr. pp. 211-12; Gaz. vol. 134; p. 1208.
- Hitching-post. C. Butcher. No. 883,782; Apr. 7; Sp. p. 201; Dr. p. 37; Gaz. vol. 133; p. 1220.
- Hitching-post. C. F. Malmrose. No. 901,311; Oct. 13; Sp. p. 2559; Dr. p. 527; Gaz. vol. 136; p. 1502.

Alphabetical list of inventions—Continued.

- Hitching-post, Portable. E. C. Lemerand. No. 906,438; Dec. 8; Sp. p. 2573; Gaz. vol. 137; p. 1442.
Hitching-strap fastener. R. Neisingh. No. 875,839; Jan. 7; Sp. p. 305; Dr. p. 66; Gaz. vol. 132; p. 56.
Hitching-weight holder. H. H. Tothill. No. 902,267; Oct. 27; Sp. p. 4590; Dr. p. 932; Gaz. vol. 136; p. 1882.
Hitching weight or anchor. J. H. Chamberlin. No. 876,328; Jan. 14; Sp. p. 1279; Dr. p. 277; Gaz. vol. 132; p. 243.
Hod. B. M. Burdett. No. 884,566; Apr. 14; Sp. p. 1820; Dr. pp. 390-1; Gaz. vol. 133; p. 1513.
Hod. W. G. Avery. No. 889,427; June 2; Sp. p. 470; Dr. p. 112; Gaz. vol. 134; p. 1134.
Hoe. C. A. Long. No. 876,649; Jan. 14; Sp. p. 1996; Dr. pp. 434-5; Gaz. vol. 132; p. 354.
Hoe. B. R. Williams. No. 878,920; Feb. 11; Sp. p. 2139; Dr. p. 446; Gaz. vol. 132; p. 1219.
Hoe. S. W. Shanks. No. 880,925; Mar. 3; Sp. p. 892; Dr. p. 192; Gaz. vol. 133; p. 150.
Hoe. W. F. Marsh. No. 890,991; June 16; Sp. p. 3681; Dr. p. 802; Gaz. vol. 134; p. 1703.
Hoe. H. S. Earle. No. 891,412; June 23; Sp. p. 4524; Dr. p. 983; Gaz. vol. 134; p. 1872.
Hoe. B. R. Williams. No. 892,607; July 7; Sp. p. 403; Dr. p. 89; Gaz. vol. 135; p. 74.
Hoe. W. A. Sparks. No. 898,521; Sept. 15; Sp. p. 2536; Dr. p. 552; Gaz. vol. 136; p. 477.
Hoe. J. D. McCabe. No. 900,871; Oct. 13; Sp. p. 1707; Dr. p. 345; Gaz. vol. 136; p. 1362.
Hoe. J. S. Lester. No. 902,094; Oct. 27; Sp. p. 4230; Dr. p. 857; Gaz. vol. 136; p. 1826.
Hoe. F. A. Beach. No. 906,093; Dec. 8; Sp. p. 1926; Gaz. vol. 137; p. 1329.
Hoe, Adjustable. W. T. Hammett. No. 899,791; Sept. 29; Sp. p. 5075; Dr. p. 1086; Gaz. vol. 136; p. 953.
Hoe, Cultivator. O. G. Bantley. No. 890,551; June 9; Sp. p. 2716; Dr. p. 600; Gaz. vol. 134; p. 1524.
Hoe, Garden-. T. Grasshaw. No. 886,203; Apr. 28; Sp. p. 5198; Dr. p. 1094; Gaz. vol. 133; p. 2106.
Hoe, Surface-. J. A. Crummer. No. 877,913; Feb. 4; Sp. p. 38; Dr. p. 7; Gaz. vol. 132; p. 854.
Hoe, Wheel-. M. Ramsey. No. 878,561; Feb. 11; Sp. p. 1432; Dr. p. 292; Gaz. vol. 132; p. 1103.
Hoing implement. F. Veirola. No. 892,968; July 7; Sp. p. 1158; Dr. p. 244; Gaz. vol. 135; p. 195.
Hoing-machine. O. Harder. No. 885,471; Apr. 21; Sp. p. 3696; Dr. p. 776; Gaz. vol. 133; p. 1839.
Hoing-machine. W. A. Harris. No. 888,327; May 19; Sp. p. 3977; Dr. pp. 837-8; Gaz. vol. 134; p. 711.
Hoing-machine. C. Bongartz. No. 902,201; Oct. 27; Sp. p. 4454; Dr. p. 901; Gaz. vol. 136; p. 1861.
Hog-catcher. J. Schuster. No. 900,889; Oct. 13; Sp. p. 1743; Dr. p. 352; Gaz. vol. 136; p. 1367.
Hog-catcher. H. Reichert. No. 905,579; Dec. 1; Sp. p. 944; Gaz. vol. 137; p. 1134.
Hog-grapple and conveyor. W. D. Farrell. No. 899,391; Sept. 22; Sp. p. 4229; Dr. p. 905; Gaz. vol. 133; p. 785.
Hog-hanger. H. E. Garlock. No. 895,249; Aug. 4; Sp. p. 962; Dr. p. 201; Gaz. vol. 135; p. 1053.
Hog-hanger and spreader. J. Helm. No. 902,655; Nov. 3; Sp. p. 241; Gaz. vol. 137; p. 41.
Hog-hoist. G. Schmidt and J. F. Pfum. No. 886,417; May 5; Sp. p. 154; Dr. p. 32; Gaz. vol. 134; p. 30.
Hog-hoisting apparatus. T. D. Foster. No. 898,209; Sept. 8; Sp. p. 1979; Dr. p. 422; Gaz. vol. 136; p. 344.
Hog-holder, Adjustable. F. McComb. No. 892,540; July 7; Sp. p. 286; Dr. p. 63; Gaz. vol. 135; p. 54.
Hog-ring. P. A. Swanson. No. 886,162; Apr. 28; Sp. p. 5129; Dr. p. 1078; Gaz. vol. 133; p. 2092.
Hog-scalding and feed-cooker. J. T. Roberts. No. 887,964; May 19; Sp. p. 3307; Dr. pp. 694-5; Gaz. vol. 134; p. 595.
Hog-scraper. M. C. Jorgensen. No. 877,432; Jan. 21; Sp. p. 3579; Dr. pp. 773-5; Gaz. vol. 133; p. 651.
Hog-tank. U. G. Minerey. No. 889,708; June 2; Sp. p. 1021; Dr. p. 236; Gaz. vol. 134; p. 1223.
Hog-trap. E. H. Nelson. No. 882,647; Mar. 24; Sp. p. 4289; Dr. pp. 909-10; Gaz. vol. 133; p. 802.
Hog-trap. G. W. Halley. No. 888,161; May 19; Sp. p. 3676; Dr. p. 768; Gaz. vol. 134; p. 656.
Hog-trap. R. W. and B. W. Purcell. No. 899,901; Sept. 29; Sp. p. 5290; Dr. p. 1131; Gaz. vol. 136; p. 988.
Hog-trap. W. S. Phillips. No. 902,998; Nov. 3; Sp. p. 944; Gaz. vol. 137; p. 155.
Hog-trap, operating-table, and loading-chute, Combining. G. T. Allison. No. 902,638; Nov. 3; Sp. p. 215; Gaz. vol. 137; p. 36.
Hogs and cattle through the backbone. Machine for splitting. A. M. Burleson. No. 902,709; Nov. 3; Sp. p. 356; Gaz. vol. 137; p. 60.
Hogs from scalding-vats, Device for ejecting. W. R. Perrin. No. 884,608; Apr. 14; Sp. p. 1906; Dr. p. 409; Gaz. vol. 133; p. 1526.
Hoist. E. Y. Moore. No. 878,226; Feb. 4; Sp. p. 685; Dr. p. 141; Gaz. vol. 132; p. 957.
Hoist. E. Y. Moore. No. 882,262; Mar. 17; Sp. p. 3554; Dr. p. 753; Gaz. vol. 133; p. 641.
Hoist. J. E. Hovendick. No. 888,612; May 26; Sp. p. 4501; Dr. p. 973; Gaz. vol. 134; p. 639.
Hoist. D. E. Rowland. No. 892,896; July 7; Sp. p. 1022; Dr. p. 214; Gaz. vol. 135; p. 169.
Hoist. F. P. Snow. No. 892,907; July 7; Sp. p. 1043; Dr. p. 219; Gaz. vol. 135; p. 173.
Hoist. E. A. Sohn and C. Goncer. No. 905,951; Dec. 15; Sp. p. 3545; Gaz. vol. 137; p. 1631.
Hoist, Chain. H. J. Bur. No. 892,973; July 7; Sp. p. 1166; Dr. pp. 245-6; Gaz. vol. 135; p. 196.
Hoist, Chain. J. J. Stosick. No. 897,560; Sept. 1; Sp. p. 658; Dr. p. 138; Gaz. vol. 136; p. 103.
Hoist, controlling system. B. R. Shover and A. C. Eastwood. No. 885,961; Apr. 28; Sp. p. 4734; Dr. p. 995; Gaz. vol. 133; p. 2029.
Hoist, Counterbalance-. W. Van Wie. No. 893,678; July 21; Sp. p. 2639; Dr. p. 553; Gaz. vol. 135; p. 484.
Hoist, Electric. G. Rasmus. No. 898,782; Sept. 15; Sp. p. 3084; Dr. p. 660; Gaz. vol. 136; p. 560.
Hoist, Erecting-. D. O. Paige. No. 890,566; Mar. 3; Sp. p. 145; Dr. p. 32; Gaz. vol. 133; p. 29.
Hoist, Hay-rack-. I. Lester. No. 903,874; Nov. 17; Sp. p. 2715; Gaz. vol. 137; p. 301.
Hoist or draft apparatus, Electric. P. F. Shevill. No. 875,855; Jan. 7; Sp. p. 329; Dr. p. 73; Gaz. vol. 132; p. 61.
Hoist, Spring-. W. Van Wie. No. 894,922; Aug. 4; Sp. p. 280; Dr. p. 59; Gaz. vol. 135; p. 941.
Hoist, Traveling. V. O. Strobel and A. E. Hogrebe. No. 894,916; Aug. 4; Sp. p. 253; Dr. p. 55; Gaz. vol. 135; p. 939.
Hoisting and conveying apparatus. T. S. Miller and J. H. Dickinson. No. 878,982; Feb. 11; Sp. p. 2251; Dr. pp. 470-1; Gaz. vol. 132; p. 1238.
Hoisting and conveying apparatus. J. W. Cooper. No. 879,744; Feb. 18; Sp. p. 3813; Dr. p. 799; Gaz. vol. 132; p. 1527.
Hoisting and conveying apparatus. J. H. Dickinson. No. 850,025; Apr. 21; Sp. p. 2778; Dr. p. 59; Gaz. vol. 133; p. 1694.
Hoisting and conveying apparatus. J. McMyler. No. 891,631; June 23; Sp. p. 4971; Dr. p. 1072; Gaz. vol. 134; p. 1943.
Hoisting and conveying device. T. S. Miller and J. H. Dickinson. No. 878,482; Feb. 4; Sp. p. 1204; Dr. p. 248; Gaz. vol. 132; p. 1343.
Hoisting and conveying device. T. S. Miller and J. H. Dickinson. No. 879,113; Feb. 11; Sp. p. 2520; Dr. pp. 523-4; Gaz. vol. 132; p. 1279.
Hoisting and conveying mechanism. W. M. Myers and G. W. Hinton. No. 902,158; Oct. 27; Sp. p. 4362; Dr. p. 883; Gaz. vol. 136; p. 1847.
Hoisting and conveying mechanism, Load-receiver for. W. M. Myers and G. W. Hinton. No. 890,163; June 9; Sp. p. 1944; Dr. p. 429; Gaz. vol. 134; p. 1399.
Hoisting apparatus. E. S. Colley. No. 876,040; Jan. 7; Sp. p. 685; Dr. p. 147; Gaz. vol. 132; p. 118.
Hoisting apparatus. A. P. Boyer. No. 878,335; Feb. 4; Sp. p. 900; Dr. p. 180; Gaz. vol. 132; p. 994.
Hoisting apparatus. T. B. Webster. No. 878,844; Feb. 11; Sp. p. 1989; Dr. p. 412; Gaz. vol. 132; p. 1195.
Hoisting apparatus. H. P. Clough. No. 886,113; Apr. 28; Sp. p. 5036; Dr. p. 1058; Gaz. vol. 133; p. 2076.
Hoisting apparatus. E. A. Collin. No. 888,695; May 26; Sp. p. 4769; Dr. p. 1015; Gaz. vol. 134; p. 865.
Hoisting apparatus. J. D. Austin. No. 894,717; July 28; Sp. p. 4853; Dr. p. 1009; Gaz. vol. 135; p. 847.
Hoisting apparatus. A. E. Norris. No. 905,213; Dec. 1; Sp. p. 183; Gaz. vol. 137; p. 1013.
Hoisting apparatus. T. Haddow. No. 907,994; Dec. 29; Sp. p. 5715; Gaz. vol. 137; p. 2040.
Hoisting apparatus, Coal-. J. Campbell. No. 882,867; Mar. 24; Sp. p. 4734; Dr. p. 1006; Gaz. vol. 133; p. 872.
Hoisting-apparatus controlling device. C. Notbohm and H. Eigemann. No. 899,794; Sept. 29; Sp. p. 5083; Dr. pp. 1087-8; Gaz. vol. 136; p. 954.
Hoisting apparatus for dredgers and the like. R. M. Wilson. No. 881,838; Mar. 10; Sp. p. 2670; Dr. pp. 571-2; Gaz. vol. 133; p. 474.
Hoisting-bracket. J. L. Wentz. No. 903,421; Nov. 10; Sp. p. 1763; Gaz. vol. 137; p. 321.
Hoisting-bucket. C. Chase. No. 885,910; Apr. 28; Sp. p. 4600; Dr. pp. 964-5; Gaz. vol. 133; p. 2010.
Hoisting-bucket. G. Focht. No. 902,223; Oct. 27; Sp. p. 4504; Dr. p. 911; Gaz. vol. 136; p. 1867.
Hoisting device. H. J. Schmick. No. 879,679; Feb. 18; Sp. p. 3688; Dr. pp. 771-2; Gaz. vol. 132; p. 1506.
Hoisting device. W. H. and J. P. Redden. No. 887,228; May 12; Sp. p. 1778; Dr. p. 374; Gaz. vol. 134; p. 320.
Hoisting device. B. A. Foust. No. 905,864; Dec. 8; Sp. p. 1490; Gaz. vol. 137; p. 1257.
Hoisting device. A. H. Neller. No. 906,913; Dec. 15; Sp. p. 3472; Gaz. vol. 137; p. 1619.
Hoisting device, Automatic. E. E. Barrett. No. 901,943; Oct. 27; Sp. p. 3922; Dr. pp. 799-800; Gaz. vol. 136; p. 1778.
Hoisting device, Portable. G. W. Murray and C. V. Richey. No. 887,495; May 19; Sp. p. 2390; Dr. p. 503; Gaz. vol. 134; p. 411.
Hoisting-engine. S. T. Nelson. No. 900,768; Oct. 13; Sp. p. 1474; Dr. pp. 300-1; Gaz. vol. 136; p. 1328.
Hoisting-engine. S. T. Nelson. No. 900,769; Oct. 13; Sp. p. 1481; Dr. pp. 301-3; Gaz. vol. 136; p. 1328.
Hoisting-engines, Rope-drum of. T. Matzke. No. 876,072; Jan. 7; Sp. p. 760; Dr. p. 162; Gaz. vol. 132; p. 120.
Hoisting-machine. C. E. Grant. No. 893,919; July 21; Sp. p. 3210; Dr. pp. 661-2; Gaz. vol. 135; p. 564.
Hoisting-machine. W. M. Brown. No. 897,581; Sept. 1; Sp. p. 999; Dr. p. 147; Gaz. vol. 136; p. 110.
Hoisting-machine. J. J. Say. No. 900,212; Oct. 6; Sp. p. 294; Dr. pp. 59-60; Gaz. vol. 136; p. 1120.
Hoisting-machine. W. M. Brown. No. 900,979; Oct. 13; Sp. p. 1937; Dr. p. 394; Gaz. vol. 136; p. 1397.
Hoisting-machine automatic brake. F. E. Farmer. No. 905,679; Dec. 1; Sp. p. 1123; Gaz. vol. 137; p. 1165.
Hoisting mechanism. V. R. and E. H. Browning. No. 892,802; July 7; Sp. p. 800; Dr. p. 169; Gaz. vol. 135; p. 138.
Hoisting mechanism. C. G. Palmer. No. 904,717; Nov. 24; Sp. p. 4484; Gaz. vol. 137; p. 812.
Hoisting mechanism. D. W. Bradford. No. 905,982; Dec. 8; Sp. p. 1718; Gaz. vol. 137; p. 1294.

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- Hoisting mechanism. E. S. Reid. No. 906,561; Dec. 15; Sp. p. 2800; Gaz. vol. 137; p. 1508.
 Holdback-iron. R. B. Carpenter. No. 891,668; June 23; Sp. p. 5061; Dr. p. 1092; Gaz. vol. 134; p. 1956.
 Holdback or breeching strap. G. F. Rice. No. 897,557; Sept. 1; Sp. p. 654; Dr. p. 137; Gaz. vol. 136; p. 102.
 Holder. E. Morell. No. 893,347; July 14; Sp. p. 1927; Dr. p. 404; Gaz. vol. 135; p. 346.
 Holder. E. L. Lloyd. No. 899,311; Sept. 22; Sp. p. 4099; Dr. p. 876; Gaz. vol. 136; p. 760.
 Holder. C. C. Williams. No. 905,038; Nov. 24; Sp. p. 5155; Gaz. vol. 137; p. 919.
 Holder. G. H. and E. A. Mann. No. 908,292; Dec. 29; Sp. p. 6324; Gaz. vol. 137; p. 2140.
 Holder and producing the same. Ornamental. H. Hawley. No. 890,903; June 16; Sp. p. 3472; Dr. p. 760; Gaz. vol. 134; p. 1672.
 Holder, Combination-. F. Haase. No. 886,495; May 5; Sp. p. 302; Dr. p. 63; Gaz. vol. 134; p. 56.
 Holding device. E. S. Smith, Jr. No. 881,162; Mar. 10; Sp. p. 1334; Dr. p. 287; Gaz. vol. 133; p. 257.
 Holding or retaining device. S. P. Craig. No. 881,461; Mar. 10; Sp. p. 1930; Dr. p. 420; Gaz. vol. 133; p. 352.
 Holding or retaining device. S. P. Craig. No. 881,462; Mar. 10; Sp. p. 1932; Dr. pp. 420-1; Gaz. vol. 133; p. 353.
 Hollow-article mold. E. Kerr and J. Smith. No. 876,719; Jan. 14; Sp. p. 2120; Dr. pp. 465-6; Gaz. vol. 132; p. 376.
 Hollow articles. Device for cleaning. W. H. Callahan. No. 878,748; Feb. 11; Sp. p. 1854; Dr. p. 383; Gaz. vol. 132; p. 1171.
 Hollow ware. Method and mold for making. G. H. McKee. No. 896,852; Aug. 25; Sp. p. 4157; Dr. p. 891; Gaz. vol. 135; p. 1641.
 Holster. F. R. Batchelder. No. 894,569; July 28; Sp. p. 4578; Dr. p. 948; Gaz. vol. 135; p. 800.
 Hone-holder. R. J. Brandenburg. No. 882,137; Mar. 17; Sp. p. 3330; Dr. p. 704; Gaz. vol. 133; p. 601.
 Honey. Extracting. L. W. Avant. No. 900,643; Oct. 6; Sp. p. 1230; Dr. pp. 251-2; Gaz. vol. 136; p. 1262.
 Honey-extracting apparatus. L. W. Avant. No. 890,397; June 9; Sp. p. 2425; Dr. p. 536; Gaz. vol. 134; p. 1474.
 Hood and reflector. G. Cutter. No. 900,266; Oct. 6; Sp. p. 420; Dr. p. 85; Gaz. vol. 136; p. 1137.
 Hoof-cutting knife. H. Andrews. No. 882,662; Mar. 24; Sp. p. 4318; Dr. p. 917; Gaz. vol. 133; p. 806.
 Hoof-pad. D. T. Barber. No. 903,043; Nov. 3; Sp. p. 1029; Gaz. vol. 137; p. 169.
 Hoof-pad holder. A. M. Smith. No. 878,832; Feb. 11; Sp. p. 1970; Dr. p. 408; Gaz. vol. 132; p. 1191.
 Hoof-trimmer. J. D. De Celle. No. 896,088; Aug. 18; Sp. p. 2616; Dr. p. 567; Gaz. vol. 135; p. 1371.
 Hook: See Advertising bill-hook; Automatic hook; Back-band hook; Bale-hook; Bill-hook; Button-hook; Cable-hook; Cant-hook; Check-hook; Checkrein-hook; Clip-hook; Clothes-hook; Coupling-hook; Crib-hook; Eyeglass-hook; Fish-hook; Gaff-hook; Garment-hook; Grab-hook; Hame-hook; Harness-hook; Hat-hook; Horse-pad hook; Lace-hook; Lacing-hook; Locking-hook; Looper-hook; Meat-hook; Molding-flask sand-hook; Painter's hook; Picture-hook; Register-hook; Releasing-hook; Safety-hook; Snap-hook; Spring-hook; Suspender-hook; Swingletree-hook; Swingletree or neck-yoke hook; T-hook; Whiffletree-hook.
 Hook. B. D. Havens. No. 890,510; June 9; Sp. p. 2641; Dr. p. 583; Gaz. vol. 134; p. 1511.
 Hook. L. P. Greenman. No. 891,538; June 23; Sp. p. 4771; Dr. p. 1033; Gaz. vol. 134; p. 1913.
 Hook. L. P. Greenman. No. 891,539; June 23; Sp. p. 4773; Dr. p. 1033; Gaz. vol. 134; p. 1913.
 Hook. J. Ames. No. 905,400; Dec. 1; Sp. p. 539; Gaz. vol. 137; p. 1076.
 Hook. B. T. Harrop. No. 907,495; Dec. 22; Sp. p. 4640; Gaz. vol. 137; p. 1847.
 Hook and eye. W. H. Knobloch and J. M. Burget. No. 878,464; Feb. 4; Sp. p. 1142; Dr. p. 234; Gaz. vol. 132; p. 1036.
 Hook and eye. F. S. Slaughter. No. 878,903; Feb. 11; Sp. p. 2110; Dr. p. 439; Gaz. vol. 132; p. 1213.
 Hook and eye. J. Dugas. No. 888,973; May 23; Sp. p. 5356; Dr. p. 1136; Gaz. vol. 134; p. 956.
 Hook and eye. A. G. Miller. No. 890,080; June 9; Sp. p. 1771; Dr. p. 392; Gaz. vol. 134; p. 1372.
 Hook and eye. S. C. Glidden. No. 897,083; Aug. 25; Sp. p. 4658; Dr. p. 892; Gaz. vol. 135; p. 1718.
 Hook and eye. J. F. Schoepl. No. 898,069; Sept. 8; Sp. p. 1716; Dr. p. 369; Gaz. vol. 136; p. 300.
 Hook and eye. W. G. Hoffman. No. 898,891; Sept. 15; Sp. p. 3285; Dr. p. 703; Gaz. vol. 136; p. 597.
 Hook and eye. N. K. Small. No. 898,936; Sept. 15; Sp. p. 3350; Dr. p. 721; Gaz. vol. 136; p. 611.
 Hook and eye. W. Wolf. No. 899,369; Sept. 22; Sp. p. 4196; Dr. p. 899; Gaz. vol. 136; p. 778.
 Hook and eye. J. P. Baumgartner. No. 900,469; Oct. 6; Sp. p. 853; Dr. p. 174; Gaz. vol. 136; p. 1204.
 Hook and eye. V. E. Morse. No. 901,987; Oct. 27; Sp. p. 4041; Dr. p. 819; Gaz. vol. 136; p. 1793.
 Hook and eye. H. N. Legan. No. 902,746; Nov. 3; Sp. p. 421; Gaz. vol. 137; p. 73.
 Hook and eye. W. M. Corthell. No. 905,409; Dec. 1; Sp. p. 560; Gaz. vol. 137; p. 1079.
 Hook and eye. M. G. Bunnell. No. 905,825; Dec. 1; Sp. p. 1409; Gaz. vol. 137; p. 1214.
 Hook-and-eye fastener. A. Klein. No. 890,363; June 9; Sp. p. 2370; Dr. p. 523; Gaz. vol. 134; p. 1464.
 Hook and eye holder. F. M. Dolezal. No. 877,037; Jan. 28; Sp. p. 4006; Dr. p. 805; Gaz. vol. 132; p. 739.
 Hook and eye mount. H. C. Goodrich. No. 899,664; Sept. 29; Sp. p. 4793; Dr. p. 1026; Gaz. vol. 136; p. 910.
 Hook-eye. A. C. Carl. No. 904,405; Nov. 17; Sp. p. 3830; Gaz. vol. 137; p. 681.
 Hook or garment fastener. E. M. Borhek. No. 891,202; June 16; Sp. p. 4065; Dr. p. 891; Gaz. vol. 134; p. 1769.
 Hook-separating mechanism. W. P. Bartel and S. E. Taft. No. 881,172; Mar. 10; Sp. p. 1353; Dr. pp. 291-2; Gaz. vol. 133; p. 260.
 Hook-setting machine. J. W. Barna and V. Hoffman. No. 883,379; Mar. 31; Sp. p. 5175; Dr. pp. 1233-4; Gaz. vol. 133; p. 1070.
 Hook-setting machine. J. W. Barna and V. Hoffman. No. 883,510; Mar. 31; Sp. p. 6049; Dr. p. 1291; Gaz. vol. 133; p. 1114.
 Hooks and eyes and apparatus therefor, Art of coating. W. M. Corthell. No. 889,661; June 2; Sp. p. 912; Dr. p. 212; Gaz. vol. 134; p. 1208.
 Hooks and eyes on cards, Machine for fastening. G. Rowbottom. No. 903,784; Nov. 10; Sp. p. 2498; Gaz. vol. 137; p. 437.
 Hooks and eyes to cards, Machine for attaching. W. M. Corthell. No. 904,049; Nov. 17; Sp. p. 3069; Gaz. vol. 137; p. 558.
 Hooks and eyes to ribbon, cards, &c., Machine for attaching. W. M. Corthell. No. 894,727; July 28; Sp. p. 4869; Dr. pp. 1013-14; Gaz. vol. 135; p. 850.
 Hooks and eyes to tape, &c., Apparatus for attaching. W. M. Corthell. No. 898,558; Sept. 15; Sp. p. 2665; Dr. p. 570; Gaz. vol. 136; p. 489.
 Hoop: See Cooperage-hoop; Embroidery-hoop; Metallic hoop; Playing-hoop.
 Hoop. R. Studer. No. 891,386; June 23; Sp. p. 4464; Dr. p. 972; Gaz. vol. 134; p. 1864.
 Hoop. J. G. Marsh. No. 895,885; Aug. 4; Sp. p. 1213; Dr. p. 255; Gaz. vol. 135; p. 1097.
 Hoop-bending machine. J. R. Hardman. No. 894,268; July 28; Sp. p. 3967; Dr. p. 818; Gaz. vol. 135; p. 700.
 Hoop die, Head-. W. H. Potter. No. 887,516; May 12; Sp. p. 2429; Dr. p. 511; Gaz. vol. 134; p. 417.
 Hoop for exhibition purposes. H. W. Crichton. No. 892,710; July 7; Sp. p. 617; Dr. p. 132; Gaz. vol. 135; p. 108.
 Hoop for exhibition purposes. H. W. Crichton. No. 896,712; Aug. 25; Sp. p. 3842; Dr. p. 832; Gaz. vol. 135; p. 1593.
 Hoop lock-cutting machine, Barrel-. E. and B. Holmes and E. F. Beugler. No. 904,480; Nov. 17; Sp. p. 3980; Gaz. vol. 137; p. 706.
 Hoop-roller. S. G. Petterson. No. 904,220; Nov. 17; Sp. p. 3447; Gaz. vol. 137; p. 619.
 Hoop-shaving machine. A. A. Dailey. No. 881,907; Mar. 17; Sp. p. 2841; Dr. p. 607; Gaz. vol. 133; p. 526.
 Hoops, Link connection for the ends of receptacle-. K. W. Jacobs. No. 892,732; July 7; Sp. p. 669; Dr. p. 141; Gaz. vol. 135; p. 115.
 Hop-extracting apparatus. F. S. Davidson and W. F. Burra. No. 883,173; Mar. 31; Sp. p. 5342; Dr. p. 1137; Gaz. vol. 133; p. 1003.
 Hop-jack. G. E. Laubenheimer. No. 887,202; May 12; Sp. p. 1696; Dr. p. 360; Gaz. vol. 134; p. 311.
 Hop-pole. O. M. Knox. No. 881,592; Mar. 10; Sp. p. 2183; Dr. p. 476; Gaz. vol. 133; p. 397.
 Hops and yeast, Forming extracts from. F. S. Davidson and W. F. Burra. No. 883,174; Mar. 31; Sp. p. 5343; Dr. p. 1138; Gaz. vol. 133; p. 1003.
 Hopper-bottom catch. J. W. Egan. No. 900,672; Oct. 6; Sp. p. 1289; Dr. p. 263; Gaz. vol. 136; p. 1271.
 Hopper dredgers and barges, Discharge-door of. F. Lobnitz. No. 905,338; Dec. 1; Sp. p. 406; Gaz. vol. 137; p. 1054.
 Hopper dredgers and barges, Discharge-door of. F. Lobnitz. No. 905,821; Dec. 1; Sp. p. 1397; Gaz. vol. 137; p. 1212.
 Hopper mechanism. J. C. Mertens. No. 899,706; June 2; Sp. p. 1017; Dr. p. 235; Gaz. vol. 134; p. 1222.
 Hopple. L. N. Perkins. No. 892,546; July 7; Sp. p. 297; Dr. p. 65; Gaz. vol. 135; p. 56.
 Hopple. C. Kelly. No. 895,471; Aug. 11; Sp. p. 1405; Dr. p. 295; Gaz. vol. 135; p. 1149.
 Hopple. E. L. Gilbert. No. 895,627; Aug. 11; Sp. p. 1702; Dr. p. 361; Gaz. vol. 135; p. 1200.
 Hopple. J. T. Phillips. No. 905,453; Dec. 1; Sp. p. 687; Gaz. vol. 137; p. 1094.
 Hopple for fowls. E. C. Rolfe. No. 880,043; Feb. 25; Sp. p. 4463; Dr. p. 937; Gaz. vol. 132; p. 1658.
 Horn. A. S. Marten. No. 885,268; Apr. 21; Sp. p. 3296; Dr. p. 689; Gaz. vol. 133; p. 1774.
 Horn. H. W. Lester. No. 885,493; Apr. 21; Sp. p. 3735; Dr. p. 786; Gaz. vol. 133; p. 1846.
 Horn. L. L. Terhune. No. 896,672; Aug. 18; Sp. p. 3749; Dr. p. 808; Gaz. vol. 135; p. 1557.
 Horn. C. H. Foster. No. 907,765; Dec. 29; Sp. p. 5236; Gaz. vol. 137; p. 1966.
 Horn, Fish-. D. Heyman. No. 877,115; Jan. 28; Sp. p. 4152; Dr. p. 899; Gaz. vol. 132; p. 763.
 Horn for reproducing natural tones. C. C. Jadwin. No. 903,575; Nov. 10; Sp. p. 2088; Gaz. vol. 137; p. 373.
 Horse-bit. J. Gaertner. No. 884,084; Apr. 7; Sp. p. 847; Dr. p. 178; Gaz. vol. 133; p. 1327.
 Horse-blanket. E. Caldwell. No. 876,435; Jan. 14; Sp. p. 1508; Dr. p. 324; Gaz. vol. 132; p. 278.
 Horse-blanket. W. S. Katzenmeyer. No. 876,560; Jan. 14; Sp. p. 1777; Dr. p. 388; Gaz. vol. 132; p. 322.
 Horse-blanket. F. L. Nagel. No. 889,391; June 2; Sp. p. 408; Dr. p. 96; Gaz. vol. 134; p. 1122.
 Horse-blanket. W. Gordon. No. 896,446; Aug. 18; Sp. p. 3315; Dr. p. 713; Gaz. vol. 135; p. 1485.
 Horse-blanket fastening. J. Reichert. No. 898,924; Sept. 15; Sp. p. 3340; Dr. p. 716; Gaz. vol. 136; p. 697.
 Horse-blankets and other coverings, Ventilator for. M. H. Wood. No. 890,581; June 9; Sp. p. 2776; Dr. p. 614; Gaz. vol. 134; p. 1535.
 Horse-blankets, lap-ropes, &c., Safety attachment for. J. E. Hunter. No. 886,511; May 5; Sp. p. 335; Dr. p. 69; Gaz. vol. 134; p. 62.

Alphabetical list of inventions—Continued.

- Horse-calk, Emergency. C. Berg. No. 903,830; Nov. 17; Sp. p. 2610; Gaz. vol. 137; p. 484.
- Horse-check. N. Stalker. No. 883,754; Apr. 7; Sp. p. 147; Dr. p. 26; Gaz. vol. 133; p. 1217.
- Horse checking and unchecking apparatus. H. A. Clemens. No. 897,875; Sept. 8; Sp. p. 1293; Dr. 276; Gaz. vol. 136; p. 236.
- Horse-checking device. A. Sauter. No. 885,532; Apr. 21; Sp. p. 3842; Dr. p. 803; Gaz. vol. 133; p. 1858.
- Horse-cleaner. M. Connelly. No. 905,653; Dec. 1; Sp. p. 1080; Gaz. vol. 137; p. 1157.
- Horse-cleaning implement. W. F. Blaisdell. No. 876,766; Jan. 14; Sp. p. 2199; Dr. p. 483; Gaz. vol. 132; p. 390.
- Horse-collar, Pneumatic. A. J. and C. M. Fike. No. 904,322; Nov. 17; Sp. p. 3681; Gaz. vol. 137; p. 654.
- Horse-detacher. Z. A. Lively. No. 878,812; Feb. 11; Sp. p. 1937; Dr. p. 401; Gaz. vol. 132; p. 1185.
- Horse-detacher. R. Coates. No. 884,795; Apr. 14; Sp. p. 2325; Dr. p. 489; Gaz. vol. 133; p. 1589.
- Horse-detacher. J. D. Lindsley. No. 888,625; May 26; Sp. p. 4618; Dr. p. 980; Gaz. vol. 134; p. 843.
- Horse-detacher. D. L. Hunt. No. 892,157; June 30; Sp. p. 6033; Dr. p. 1297; Gaz. vol. 134; p. 2148.
- Horse-detacher. C. L. Burge. No. 896,618; Aug. 18; Sp. p. 3648; Dr. p. 783; Gaz. vol. 135; p. 1541.
- Horse-detacher. M. J. La Brake. No. 899,223; Sept. 22; Sp. p. 3909; Dr. p. 835; Gaz. vol. 136; p. 732.
- Horse-detacher. J. R. Claxton. No. 900,483; Oct. 6; Sp. p. 874; Dr. p. 179; Gaz. vol. 136; p. 1208.
- Horse-detacher. J. Zimmer. No. 904,395; Nov. 17; Sp. p. 3799; Gaz. vol. 137; p. 677.
- Horse-detacher. D. A. Brunett. No. 904,505; Nov. 24; Sp. p. 4060; Gaz. vol. 137; p. 741.
- Horse-detacher. J. Worrell. No. 904,666; Nov. 24; Sp. p. 4378; Gaz. vol. 137; p. 795.
- Horse-detacher. E. A. Collin. No. 905,288; Dec. 1; Sp. p. 316; Gaz. vol. 137; p. 1038.
- Horse-detacher. J. M. Schmitt. No. 907,895; Dec. 29; Sp. p. 5498; Gaz. vol. 137; p. 2007.
- Horse-equalizer, Three-. G. A. Crum. No. 905,990; Dec. 8; Sp. p. 1734; Gaz. vol. 137; p. 1297.
- Horse evener, Four-. W. A. Temple. No. 907,651; Dec. 22; Sp. p. 4982; Gaz. vol. 137; p. 1897.
- Horse eye-screen. C. S. Rogers. No. 903,108; Nov. 3; Sp. p. 1153; Gaz. vol. 137; p. 187.
- Horse-hitch. W. H. Collins. No. 879,743; Feb. 18; Sp. p. 3212; Dr. p. 799; Gaz. vol. 132; p. 1527.
- Horse-hoof trimmer. W. McGowen. No. 893,592; July 14; Sp. p. 2467; Dr. pp. 512-13; Gaz. vol. 135; p. 426.
- Horse-legging. J. F. Bowlds. No. 903,149; Nov. 3; Sp. p. 1222; Gaz. vol. 137; p. 200.
- Horse-pad clamp. E. L. McClain. No. 900,946; Oct. 13; Sp. p. 1869; Dr. p. 381; Gaz. vol. 136; p. 1386.
- Horse-pad hook. E. L. McClain. No. 876,077; Jan. 7; Sp. p. 771; Dr. p. 164; Gaz. vol. 132; p. 131.
- Horse-pad hook. E. L. McClain. No. 892,072; June 30; Sp. p. 5863; Dr. p. 1262; Gaz. vol. 134; p. 2120.
- Horse-power. J. S. Tuttle. No. 885,892; Apr. 28; Sp. p. 4565; Dr. p. 957; Gaz. vol. 133; p. 2004.
- Horse-power-hour meter. J. Picht. No. 896,755; Aug. 25; Sp. p. 3941; Dr. p. 849; Gaz. vol. 135; p. 1607.
- Horse-power recorder. C. N. Petesch. No. 908,128; Dec. 29; Sp. p. 5980; Gaz. vol. 137; p. 2085.
- Horse-releaser. B. L. Sinclair and L. L. Leslie. No. 878,319; Feb. 4; Sp. p. 867; Dr. p. 173; Gaz. vol. 132; p. 988.
- Horse-releaser. A. White. No. 878,323; Feb. 4; Sp. p. 878; Dr. p. 175; Gaz. vol. 132; p. 990.
- Horse-releaser. G. W. Hurst. No. 894,325; July 28; Sp. p. 4084; Dr. pp. 843-4; Gaz. vol. 135; p. 719.
- Horse-releaser. G. Ericson. No. 901,601; Oct. 20; Sp. p. 3211; Dr. p. 658; Gaz. vol. 136; p. 1636.
- Horse-releaser. G. W. Morter. No. 904,552; Nov. 24; Sp. p. 4154; Gaz. vol. 137; p. 757.
- Horse-releaser. P. O. McNico. No. 906,266; Dec. 8; Sp. p. 2260; Gaz. vol. 137; p. 1388.
- Horse-releasing apparatus. C. C. Rich. No. 895,199; Aug. 4; Sp. p. 849; Dr. p. 178; Gaz. vol. 135; p. 1035.
- Horse-releasing device. I. Harshman. No. 905,698; Dec. 1; Sp. p. 1163; Gaz. vol. 137; p. 1172.
- Horse-releasing device for vehicles. E. Marzinke. No. 893,342; July 14; Sp. p. 1916; Dr. p. 401; Gaz. vol. 135; p. 345.
- Horse-releasing means for vehicles. J. H. Zoldowski and P. F. Baranek. No. 878,851; Feb. 11; Sp. p. 2009; Dr. p. 416; Gaz. vol. 132; p. 1197.
- Horse sanitary pan. A. Holpuch. No. 881,319; Mar. 10; Sp. p. 1652; Dr. p. 354; Gaz. vol. 133; p. 308.
- Horse-tail holder. O. B. Read. No. 891,861; June 30; Sp. p. 5463; Dr. p. 1180; Gaz. vol. 134; p. 2053.
- Horse-trappings. C. L. Warner. No. 904,031; Nov. 17; Sp. p. 3033; Gaz. vol. 137; p. 553.
- Horses and other animals, Safety-bit for. G. Ciamaichella. No. 904,682; Nov. 24; Sp. p. 4409; Gaz. vol. 137; p. 800.
- Horses' front legs from knocking together, Means for preventing. A. Clegg. No. 901,592; Oct. 20; Sp. p. 3201; Dr. p. 655; Gaz. vol. 136; p. 1634.
- Horses to and from vehicles, Device for attaching and detaching. F. E. Griffith. No. 883,134; Mar. 24; Sp. p. 5253; Dr. p. 1122; Gaz. vol. 133; p. 969.
- Horseshoe. C. A. Campbell. No. 876,265; Jan. 7; Sp. p. 1121; Dr. p. 243; Gaz. vol. 132; p. 190.
- Horseshoe. F. B. Gardner and J. E. Grosjean. No. 876,629; Jan. 14; Sp. p. 1951; Dr. p. 425; Gaz. vol. 132; p. 347.
- Horseshoe. T. J. and A. L. Anderson. No. 876,928; Jan. 21; Sp. p. 2538; Dr. p. 555; Gaz. vol. 132; p. 482.
- Horseshoe. J. P. Detwiler. No. 878,127; Feb. 4; Sp. p. 466; Dr. p. 99; Gaz. vol. 132; p. 924.
- Horseshoe. P. G. Love. No. 878,883; Feb. 11; Sp. p. 2072; Dr. p. 431; Gaz. vol. 132; p. 1208.
- Horseshoe. E. Wollet. No. 879,936; Feb. 25; Sp. p. 4250; Dr. p. 888; Gaz. vol. 132; p. 1624.
- Horseshoe. H. P. Kennedy. No. 882,007; Mar. 17; Sp. p. 3063; Dr. p. 651; Gaz. vol. 133; p. 560.
- Horseshoe. E. M. Dunn and W. H. Francis. No. 882,494; Mar. 17; Sp. p. 3959; Dr. p. 846; Gaz. vol. 133; p. 717.
- Horseshoe. J. B. Raban. No. 883,914; Apr. 7; Sp. p. 492; Dr. p. 97; Gaz. vol. 133; p. 1271.
- Horseshoe. J. N. Shippen. No. 885,090; Apr. 21; Sp. p. 2902; Dr. p. 615; Gaz. vol. 133; p. 1714.
- Horseshoe. G. L. Giller. No. 885,238; Apr. 21; Sp. p. 3243; Dr. p. 677; Gaz. vol. 133; p. 1764.
- Horseshoe. J. H. Lock. No. 885,352; Apr. 21; Sp. p. 3481; Dr. pp. 725-6; Gaz. vol. 133; p. 1803.
- Horseshoe. J. G. Burns. No. 886,939; May 5; Sp. p. 1199; Dr. p. 254; Gaz. vol. 134; p. 199.
- Horseshoe. S. Gordon. No. 893,481; July 14; Sp. p. 2218; Dr. p. 466; Gaz. vol. 135; p. 390.
- Horseshoe. H. V. Drown, L. G. Turcott, and M. A. Harding. No. 894,942; Aug. 4; Sp. p. 333; Dr. p. 67; Gaz. vol. 135; p. 948.
- Horseshoe. F. A. Harden. No. 895,367; Aug. 4; Sp. p. 1182; Dr. p. 248; Gaz. vol. 135; p. 1091.
- Horseshoe. M. J. Leachey. No. 898,488; Sept. 15; Sp. p. 2519; Dr. p. 539; Gaz. vol. 136; p. 466.
- Horseshoe. C. W. Laird. No. 893,417; Sept. 22; Sp. p. 4276; Dr. p. 917; Gaz. vol. 136; p. 793.
- Horseshoe. W. E. Spafford. No. 899,631; Sept. 29; Sp. p. 4740; Dr. p. 1015; Gaz. vol. 136; p. 900.
- Horseshoe. P. Dech. No. 900,268; Oct. 6; Sp. p. 425; Dr. p. 87; Gaz. vol. 136; p. 1138.
- Horseshoe. J. W. Roper. No. 900,959; Oct. 13; Sp. p. 1900; Dr. p. 387; Gaz. vol. 136; p. 1391.
- Horseshoe. P. W. Carney. No. 902,711; Nov. 3; Sp. p. 360; Gaz. vol. 137; p. 61.
- Horseshoe. L. N. Beauchemin. No. 902,800; Nov. 3; Sp. p. 516; Gaz. vol. 137; p. 90.
- Horseshoe. H. Paar. No. 903,759; Nov. 10; Sp. p. 2446; Gaz. vol. 137; p. 428.
- Horseshoe. H. J. Filliez. No. 904,193; Nov. 17; Sp. p. 3393; Gaz. vol. 137; p. 610.
- Horseshoe. G. Loeffler. No. 908,287; Dec. 29; Sp. p. 6314; Gaz. vol. 137; p. 2138.
- Horseshoe air-cushion. J. H. Fawkes. No. 895,994; Aug. 11; Sp. p. 2443; Dr. pp. 526-7; Gaz. vol. 135; p. 1318.
- Horseshoe and calk. S. Gordon. No. 906,126; Dec. 8; Sp. p. 1991; Gaz. vol. 137; p. 1340.
- Horseshoe and calk. F. M. Swart. No. 908,352; Dec. 29; Sp. p. 6461; Gaz. vol. 137; p. 2162.
- Horseshoe attachment. J. E. Harrison. No. 887,739; May 12; Sp. p. 2838; Dr. p. 600; Gaz. vol. 134; p. 492.
- Horseshoe attachment. W. J. Magee. No. 896,128; Aug. 18; Sp. p. 2684; Dr. p. 579; Gaz. vol. 135; p. 1382.
- Horseshoe attachment. H. D. Hovis. No. 898,895; Sept. 15; Sp. p. 3291; Dr. p. 704; Gaz. vol. 136; p. 598.
- Horseshoe-calk. D. Stone. No. 876,666; Jan. 14; Sp. p. 2025; Dr. p. 442; Gaz. vol. 132; p. 359.
- Horseshoe-calk. F. B. Gardner. No. 887,246; May 12; Sp. p. 1804; Dr. p. 380; Gaz. vol. 134; p. 325.
- Horseshoe-calk. J. F. Borgelt. No. 883,385; May 19; Sp. p. 4097; Dr. p. 865; Gaz. vol. 134; p. 729.
- Horseshoe-calk. S. H. Roberts. No. 890,798; June 16; Sp. p. 3276; Dr. p. 717; Gaz. vol. 134; p. 1640.
- Horseshoe-calk. O. Sprister. No. 892,562; July 7; Sp. p. 321; Dr. p. 70; Gaz. vol. 135; p. 61.
- Horseshoe-calk, Removable. I. S. Brassington. No. 898,032; Sept. 8; Sp. p. 1648; Dr. p. 351; Gaz. vol. 136; p. 289.
- Horseshoe-calks, Device for removing. J. C. Lilly. No. 883,654; Mar. 31; Sp. p. 6343; Dr. p. 1351; Gaz. vol. 133; p. 1157.
- Horseshoe-calks, Die for producing. A. A. Burns. No. 896,433; Aug. 18; Sp. p. 3291; Dr. p. 708; Gaz. vol. 135; p. 1481.
- Horseshoe calking and welding apparatus. A. T. McCreary. No. 887,956; May 19; Sp. p. 3292; Dr. p. 692; Gaz. vol. 134; p. 593.
- Horseshoe-creaser. J. C. Locke. No. 877,577; Jan. 28; Sp. p. 3884; Dr. p. 842; Gaz. vol. 132; p. 719.
- Horseshoe, Cushioned. P. Clifford. No. 896,894; Aug. 25; Sp. p. 4239; Dr. p. 907; Gaz. vol. 135; p. 1654.
- Horseshoe, Detachable. E. R. Lubbers. No. 879,781; Feb. 18; Sp. p. 3877; Dr. p. 812; Gaz. vol. 132; p. 1538.
- Horseshoe, Detachable. T. P. Scully. No. 893,201; July 14; Sp. p. 1650; Dr. p. 348; Gaz. vol. 135; p. 298.
- Horseshoe frost-calk. A. J. Bartlett. No. 895,533; Aug. 11; Sp. p. 1525; Dr. p. 322; Gaz. vol. 135; p. 1170.
- Horseshoe-nail-driving hammer. W. J. Kelly. No. 908,008; Dec. 29; Sp. p. 5745; Gaz. vol. 137; p. 2045.
- Horseshoe, Nailless. J. A. Enright. No. 879,952; Feb. 25; Sp. p. 4278; Dr. p. 894; Gaz. vol. 132; p. 1629.
- Horseshoe, Nailless. W. Dettmann. No. 886,957; May 5; Sp. p. 1230; Dr. p. 260; Gaz. vol. 134; p. 204.
- Horseshoe, Nailless. A. Gimbut. No. 905,690; Dec. 1; Sp. p. 1144; Gaz. vol. 137; p. 1169.
- Horseshoe, Non-slipping. A. Lang. No. 884,504; Apr. 14; Sp. p. 1694; Dr. p. 364; Gaz. vol. 133; p. 1492.
- Horseshoe-pad. F. A. Johnson and T. A. Smith. No. 878,730; Feb. 11; Sp. p. 1778; Dr. p. 367; Gaz. vol. 132; p. 1158.
- Horseshoe-pad. J. H. Moore. No. 888,450; May 19; Sp. p. 4250; Dr. p. 900; Gaz. vol. 134; p. 752.

Alphabetical list of inventions—Continued.

- Horseshoe-pad. J. B. White. No. 892,699; July 7; Sp. p. 594; Dr. p. 128; Gaz. vol. 135; p. 104.
Horseshoe-pad. J. B. White. No. 903,422; Nov. 10; Sp. p. 1764; Gaz. vol. 137; p. 321.
Horseshoe self-sharpening calk. J. Gaitzsch. No. 908,087; Dec. 29; Sp. p. 5891; Gaz. vol. 137; p. 2071.
Horseshoe-tip toe-pad. P. Kiernan. No. 905,709; Dec. 1; Sp. p. 1178; Gaz. vol. 137; p. 1175.
Horseshoe toe-calk. V. Winquist and A. Turnstrom. No. 891,025; June 16; Sp. p. 3738; Dr. p. 815; Gaz. vol. 134; p. 1714.
Horseshoes, Creeper for. H. F. Kuhlmann. No. 893,523; July 14; Sp. p. 2301; Dr. p. 483; Gaz. vol. 135; p. 404.
Horseshoes, Means for making. M. S. Reigh. No. 884,855; Apr. 14; Sp. p. 2447; Dr. p. 515; Gaz. vol. 133; p. 1609.
Horseshoer's clenching-pliers. E. Robidoux. No. 881,619; Mar. 10; Sp. p. 2254; Dr. p. 489; Gaz. vol. 133; p. 406.
Horseshoeing-stall. L. Pendleton. No. 877,947; Feb. 4; Sp. p. 103; Dr. p. 24; Gaz. vol. 132; p. 866.
Hose. H. T. Bragg. No. 884,634; Apr. 14; Sp. p. 1955; Dr. p. 420; Gaz. vol. 133; p. 1534.
Hose. E. J. Coughlin. No. 888,590; May 26; Sp. p. 4537; Dr. p. 962; Gaz. vol. 134; p. 831.
Hose after the vulcanizing operation and for rewinding said wrappers on mandrels, Machine for removing wrappers from. S. J. Sill. No. 893,390; July 14; Sp. p. 2000; Dr. pp. 419-20; Gaz. vol. 135; p. 361.
Hose and garment supporter. E. S. Dorman. No. 899,484; Sept. 22; Sp. p. 4404; Dr. p. 945; Gaz. vol. 136; p. 815.
Hose and pipe coupling. M. C. Steese. No. 887,864; May 19; Sp. p. 3116; Dr. p. 653; Gaz. vol. 134; p. 562.
Hose and pipe coupling. W. Pohlman. No. 894,900; Aug. 4; Sp. p. 227; Dr. p. 49; Gaz. vol. 135; p. 934.
Hose and pipe coupling. W. Eisenmann. No. 898,199; Sept. 8; Sp. p. 1965; Dr. p. 419; Gaz. vol. 136; p. 341.
Hose-band clamp. J. B. Driscoll. No. 876,702; Jan. 14; Sp. p. 2096; Dr. p. 456; Gaz. vol. 132; p. 371.
Hose-bridge. J. Fine. No. 883,186; Mar. 31; Sp. p. 5363; Dr. p. 1142; Gaz. vol. 133; p. 1007.
Hose-bridge. M. T. Andrick. No. 900,690; Oct. 13; Sp. p. 1335; Dr. p. 272; Gaz. vol. 136; p. 1305.
Hose-carrier. T. J. Sullivan. No. 877,012; Jan. 21; Sp. p. 2734; Dr. p. 592; Gaz. vol. 132; p. 512.
Hose, Chemical-mixing attachment for. B. F. Wooding. No. 885,902; Apr. 28; Sp. p. 4585; Dr. p. 961; Gaz. vol. 133; p. 2007.
Hose-clamp. H. B. Sherman. No. 889,726; June 2; Sp. p. 1055; Dr. p. 243; Gaz. vol. 134; p. 1228.
Hose-clamp. W. T. De Worth. No. 890,414; June 9; Sp. p. 2460; Dr. p. 544; Gaz. vol. 134; p. 1480.
Hose-clamp. H. C. Umpleby and M. J. Butler. No. 892,197; June 30; Sp. p. 6113; Dr. p. 1314; Gaz. vol. 134; p. 2162.
Hose-clamp. L. Huser. No. 893,170; July 14; Sp. p. 1590; Dr. p. 337; Gaz. vol. 135; p. 289.
Hose-clamp. J. F. Gero. No. 893,475; July 14; Sp. p. 2205; Dr. p. 463; Gaz. vol. 135; p. 388.
Hose-clamp applicator. D. Dubendorf. No. 883,099; Mar. 24; Sp. p. 5171; Dr. p. 1104; Gaz. vol. 133; p. 948.
Hose clamp, Gas. W. H. Middlebrook. No. 883,220; Mar. 31; Sp. p. 5435; Dr. p. 1158; Gaz. vol. 133; p. 1019.
Hose-clamp tool. G. E. Burtcher. No. 899,657; Sept. 29; Sp. p. 4778; Dr. p. 1022; Gaz. vol. 136; p. 908.
Hose-coupling. C. W. Martin. No. 876,071; Jan. 7; Sp. p. 759; Dr. p. 161; Gaz. vol. 132; p. 129.
Hose-coupling. J. M. Towne. No. 881,746; Mar. 10; Sp. p. 2494; Dr. p. 537; Gaz. vol. 133; p. 444.
Hose-coupling. W. Skerman. No. 881,830; Mar. 10; Sp. p. 2654; Dr. p. 569; Gaz. vol. 133; p. 472.
Hose-coupling. E. Gunnell. No. 882,497; Mar. 17; Sp. p. 3963; Dr. p. 847; Gaz. vol. 133; p. 718.
Hose-coupling. T. N. Jones. No. 882,690; Mar. 24; Sp. p. 4370; Dr. p. 930; Gaz. vol. 133; p. 816.
Hose-coupling. M. P. Eagan. No. 883,941; Apr. 7; Sp. p. 548; Dr. p. 109; Gaz. vol. 133; p. 1280.
Hose-coupling. A. A. Minorsky. No. 884,187; Apr. 7; Sp. p. 1087; Dr. p. 227; Gaz. vol. 133; p. 1360.
Hose-coupling. C. F. Browne. No. 884,461; Apr. 14; Sp. p. 1601; Dr. p. 345; Gaz. vol. 133; p. 1478.
Hose-coupling. R. M. Dixon. No. 887,234; May 12; Sp. p. 1787; Dr. p. 375; Gaz. vol. 134; p. 321.
Hose-coupling. T. H. Harrington. No. 888,165; May 19; Sp. p. 3689; Dr. p. 769; Gaz. vol. 134; p. 658.
Hose-coupling. F. O. Guth. No. 888,326; May 19; Sp. p. 3075; Dr. p. 837; Gaz. vol. 134; p. 710.
Hose-coupling. F. C. St. Onge. No. 893,554; July 14; Sp. p. 2377; Dr. p. 497; Gaz. vol. 135; p. 414.
Hose-coupling. M. Cani. No. 894,594; July 28; Sp. p. 4630; Dr. pp. 959-60; Gaz. vol. 135; p. 807.
Hose-coupling. W. B. Steen. No. 898,017; Sept. 8; Sp. p. 4607; Dr. p. 343; Gaz. vol. 136; p. 284.
Hose-coupling. W. T. De Worth. No. 902,866; Nov. 3; Sp. p. 526; Gaz. vol. 137; p. 92.
Hose-coupling. T. Withrow. No. 904,036; Nov. 17; Sp. p. 3045; Gaz. vol. 137; p. 554.
Hose coupling, Air-. W. W. Kilpatrick. No. 882,503; Mar. 17; Sp. p. 3977; Dr. pp. 849-50; Gaz. vol. 133; p. 720.
Hose coupling, Air-. W. W. Kilpatrick. (Reissue). No. 12,902; Dec. 29; Sp. p. 6656; Gaz. vol. 137; p. 2192.
Hose-coupling, Air-brake. J. E. La Rocque. No. 883,814; Apr. 7; Sp. p. 282; Dr. p. 52; Gaz. vol. 133; p. 1238.
Hose-coupling, Automatic air-. N. Toy. No. 900,152; Oct. 6; Sp. p. 129; Dr. p. 27; Gaz. vol. 136; p. 1093.
Hose-coupling, Automatic air-brake. C. W. Rhodes. No. 905,582; Dec. 1; Sp. p. 947; Gaz. vol. 137; p. 1134.
Hose, Device for putting on and taking off. G. Spiess. No. 881,163; Mar. 10; Sp. p. 1335; Dr. p. 287; Gaz. vol. 133; p. 257.
Hose-leak stopper. D. G. Kitzmiller. No. 894,216; July 28; Sp. p. 3345; Dr. p. 796; Gaz. vol. 135; p. 683.
Hose, Machine for winding metallic. W. Schwarz. No. 893,661; July 21; Sp. p. 2612; Dr. pp. 545-7; Gaz. vol. 135; p. 479.
Hose-making machine. J. S. H. Lovett. No. 889,939; June 9; Sp. p. 1472; Dr. pp. 333-4; Gaz. vol. 134; p. 1323.
Hose-making machine. J. S. H. Lovett. No. 902,308; Oct. 27; Sp. p. 4688; Dr. pp. 949-50; Gaz. vol. 136; p. 1896.
Hose-making machines, Feeding mechanism for. J. S. H. Lovett. No. 889,940; June 9; Sp. p. 1475; Dr. p. 334; Gaz. vol. 134; p. 1323.
Hose, Means for supporting flexible. H. J. M. Howard. No. 890,653; June 16; Sp. p. 2958; Dr. p. 648; Gaz. vol. 134; p. 1591.
Hose-nozzle. S. Suzuki. No. 886,272; Apr. 28; Sp. p. 5327; Dr. p. 1121; Gaz. vol. 133; p. 2130.
Hose-nozzle. H. E. McKechney. No. 893,189; July 14; Sp. p. 1626; Dr. p. 343; Gaz. vol. 135; p. 294.
Hose-nozzle. J. H. Melavin. No. 898,759; Sept. 15; Sp. p. 3038; Dr. p. 652; Gaz. vol. 136; p. 552.
Hose-nozzle. F. J. Radler. No. 906,287; Dec. 8; Sp. p. 2298; Gaz. vol. 137; p. 1395.
Hose-nozzle. J. Ford. No. 907,025; Dec. 15; Sp. p. 3670; Gaz. vol. 137; p. 1654.
Hose-nozzle carriage and hoisting device. E. J. Petru and J. Zidek. No. 902,683; Nov. 3; Sp. p. 293; Gaz. vol. 137; p. 50.
Hose-nozzle cart. E. J. Petru and J. Zidek. No. 897,395; Sept. 1; Sp. p. 315; Dr. pp. 65-7; Gaz. vol. 136; p. 48.
Hose or pipe coupling. S. D. Barnett. No. 881,369; Mar. 10; Sp. p. 1761; Dr. pp. 380-1; Gaz. vol. 133; p. 324.
Hose-pipe coupling. C. A. Jeffreys. No. 892,524; July 7; Sp. p. 263; Dr. p. 56; Gaz. vol. 135; p. 49.
Hose-rack. H. J. M. Howard. No. 890,652; June 16; Sp. p. 2956; Dr. pp. 647-8; Gaz. vol. 134; p. 1591.
Hose-rack. C. Nuhring. No. 899,465; Sept. 22; Sp. p. 4365; Dr. p. 937; Gaz. vol. 136; p. 808.
Hose-rack. C. F. Bowes. No. 903,538; Nov. 10; Sp. p. 2011; Gaz. vol. 137; p. 360.
Hose-rack. L. Gibbs. No. 904,527; Nov. 24; Sp. p. 4104; Gaz. vol. 137; p. 47.
Hose-reel. L. Vader. No. 904,380; Nov. 17; Sp. p. 3777; Gaz. vol. 137; p. 673.
Hose-reel, Bracket. L. W. Parker. No. 889,038; May 26; Sp. p. 5461; Dr. p. 1161; Gaz. vol. 134; p. 975.
Hose reel, Garden-. E. Bergland. No. 902,801; Nov. 3; Sp. p. 518; Gaz. vol. 137; p. 90.
Hose-sections, Apparatus for capping. S. J. Sill. No. 885,797; Apr. 28; Sp. p. 4391; Dr. p. 919; Gaz. vol. 133; p. 1972.
Hose support, Lawn-. L. E. Whitney. No. 889,419; June 2; Sp. p. 458; Dr. p. 109; Gaz. vol. 134; p. 1132.
Hose-supporter. K. F. and F. G. Eiker. No. 880,130; Feb. 25; Sp. p. 4617; Dr. p. 974; Gaz. vol. 132; p. 1685.
Hose-supporter. M. T. Lewis. No. 880,894; Mar. 3; Sp. p. 839; Dr. p. 178; Gaz. vol. 133; p. 141.
Hose-supporter. P. Cohen. No. 892,651; July 7; Sp. p. 503; Dr. p. 106; Gaz. vol. 135; p. 90.
Hose-supporter. E. L. McDevitt. No. 896,036; Aug. 11; Sp. p. 2521; Dr. p. 548; Gaz. vol. 135; p. 1332.
Hose-supporter. H. Allen. No. 904,232; Nov. 17; Sp. p. 3614; Gaz. vol. 137; p. 644.
Hose-supporter. V. Price. No. 905,099; Nov. 24; Sp. p. 5276; Gaz. vol. 137; p. 940.
Hose-supporter. A. Aldritt. No. 907,216; Dec. 22; Sp. p. 4073; Gaz. vol. 137; p. 1751.
Hose-supporter attachment for corsets, Abdominal. J. E. Doolittle. No. 887,601; May 12; Sp. p. 2576; Dr. p. 544; Gaz. vol. 134; p. 444.
Hose-supporter clasp. J. Cohen. No. 878,350; Feb. 4; Sp. p. 185; Gaz. vol. 132; p. 999.
Hose-supporter, corset-protector, and abdomen-supporter, Combined. M. J. Post. No. 895,042; Aug. 11; Sp. p. 2529; Dr. p. 550; Gaz. vol. 135; p. 1334.
Hose-supporter for garments. G. E. Post. No. 902,323; Oct. 27; Sp. p. 4716; Dr. p. 954; Gaz. vol. 136; p. 1901.
Hose, Supporting-sheath for train-pipe coupling-. G. S. Wood. No. 880,060; Feb. 25; Sp. p. 4496; Dr. p. 944; Gaz. vol. 132; p. 1664.
Hose-uncoupling, Automatic. W. S. Bowness. No. 884,561; Apr. 14; Sp. p. 1805; Dr. p. 388; Gaz. vol. 133; p. 1511.
Hose, Woven. C. Alvord. No. 899,092; Sept. 22; Sp. p. 3642; Dr. p. 781; Gaz. vol. 136; p. 689.
Hosiery. J. W. Mettler. No. 882,951; Mar. 24; Sp. p. 4903; Dr. p. 1040; Gaz. vol. 133; p. 901.
Hosiery-drying boards, Cushioning-protector for. J. J. Chmisk. No. 885,728; Apr. 28; Sp. p. 4234; Dr. p. 887; Gaz. vol. 133; p. 1950.
Hosiery, Manufacture of. G. H. Gilbert. No. 876,797; Jan. 14; Sp. p. 2248; Dr. p. 494; Gaz. vol. 132; p. 399.
Hot-air engine. A. Mayr and J. Wallace. No. 876,374; Jan. 14; Sp. p. 1360; Dr. p. 296; Gaz. vol. 132; p. 257.
Hot-air furnace. M. J. Murdoch and J. P. Ludt. No. 876,481; Jan. 14; Sp. p. 1601; Dr. p. 345; Gaz. vol. 132; p. 294.
Hot-air furnace. A. M. Beale. No. 876,682; Jan. 14; Sp. p. 2050; Dr. p. 447; Gaz. vol. 132; p. 364.
Hot-air furnace. J. H. Sangree. No. 904,230; Nov. 17; Sp. p. 3472; Gaz. vol. 137; p. 622.
Hot-air pipe. G. Harms and C. Spindler. No. 895,750; Aug. 11; Sp. p. 1950; Dr. p. 412; Gaz. vol. 135; p. 1239.
Hot-air register. S. Tuttle. No. 878,257; Feb. 4; Sp. p. 747; Dr. p. 150; Gaz. vol. 132; p. 969.
Hot-air register. W. R. Knights. No. 884,023; Apr. 7; Sp. p. 718; Dr. p. 146; Gaz. vol. 133; p. 1307.
Hot-air register. S. W. Joy. No. 892,431; July 7; Dr. p. 18; Gaz. vol. 135; p. 17.

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- Hot-air register. W. S. Tuttle. No. 901,756; Oct. 20; Sp. p. 3557; Dr. pp. 720-1; Gaz. vol. 136; p. 1688.
 Hot-box cooler and oiler. N. E. Barnes. No. 899,939; Sept. 29; Sp. p. 5385; Dr. p. 1149; Gaz. vol. 136; p. 1000.
 Hot-box indicator. H. Williams. No. 896,874; Aug. 25; Sp. p. 4203; Dr. p. 900; Gaz. vol. 135; p. 1648.
 Hot-water bottles or the like, Making socket members for. H. P. Kraft and M. C. Schweinert. No. 876,361; Jan. 14; Sp. p. 1341; Dr. p. 291; Gaz. vol. 132; p. 254.
 Hot-water-circulating system. G. A. Triggs. No. 884,779; Apr. 14; Sp. p. 2293; Dr. p. 482; Gaz. vol. 133; p. 1584.
 Hot-water heater. J. A. and E. W. Coppridge. No. 878,356; Feb. 4; Sp. p. 938; Dr. p. 187; Gaz. vol. 132; p. 1001.
 Hot-water heater. E. S. Decker and G. H. Gibby. No. 878,750; Feb. 11; Sp. p. 1880; Dr. p. 387; Gaz. vol. 132; p. 1175.
 Hot-water heater. C. M. Wheelock. No. 882,436; Mar. 17; Sp. p. 3861; Dr. p. 825; Gaz. vol. 133; p. 698.
 Hot-water heater. G. L. Bennett. No. 891,455; June 23; Sp. p. 4596; Dr. p. 999; Gaz. vol. 134; p. 1886.
 Hot-water heater. L. E. Bixby and S. A. Peters. No. 892,352; June 30; Sp. p. 6397; Dr. pp. 1381-2; Gaz. vol. 134; p. 2213.
 Hot-water heater. J. E. Potts. No. 901,828; Oct. 20; Sp. p. 3693; Dr. p. 750; Gaz. vol. 136; p. 1710.
 Hot-water heater and still, Combined. W. H. Daley. No. 902,277; Oct. 27; Sp. p. 4612; Dr. p. 937; Gaz. vol. 136; p. 1885.
 Hot-water heating system. W. M. Walcutt. No. 907,544; Dec. 22; Sp. p. 4721; Gaz. vol. 137; p. 1862.
 Hot-water-main fitting. E. A. Schenck. No. 896,762; Aug. 25; Sp. p. 3954; Dr. p. 851; Gaz. vol. 135; p. 1610.
 Hot-water tube. L. H. Meres. No. 902,593; Nov. 3; Sp. p. 130; Gaz. vol. 137; p. 21.
 House. See Bag-house; Brooder-house; Malt-house; Portable house; Poultry-house; Smoke-house.
 Household article. J. F. Wynkoop. No. 881,758; Mar. 10; Sp. p. 2512; Dr. p. 541; Gaz. vol. 133; p. 448.
 Hub. C. Heath. No. 895,858; Aug. 11; Sp. p. 2173; Dr. p. 461; Gaz. vol. 135; p. 1274.
 Hub-attaching device. S. Gnazy. No. 878,200; Feb. 4; Sp. p. 637; Dr. p. 130; Gaz. vol. 132; p. 949.
 Hub-attaching device. A. H. Worrest. No. 892,701; July 7; Sp. p. 597; Dr. p. 129; Gaz. vol. 135; p. 105.
 Hub-attaching device. C. H. Soper. No. 899,346; Sept. 22; Sp. p. 4154; Dr. p. 889; Gaz. vol. 136; p. 771.
 Hub, Automobile-. J. E. Foley. No. 885,330; Apr. 21; Sp. p. 3435; Dr. p. 716; Gaz. vol. 133; p. 1795.
 Hub-banding machine. O. A. Frick. No. 878,131; Feb. 4; Sp. p. 471; Dr. p. 101; Gaz. vol. 132; p. 926.
 Hub box, Buggy-. J. L. Porter. No. 899,900; Sept. 20; Sp. p. 5289; Dr. p. 1130; Gaz. vol. 136; p. 988.
 Hub, Metallic vehicle-. P. Reinhardt. No. 884,612; Apr. 14; Sp. p. 1911; Dr. p. 410; Gaz. vol. 133; p. 1527.
 Hub, Pneumatic. J. R., and J. Duchan. No. 895,984; Aug. 11; Sp. p. 2426; Dr. p. 521; Gaz. vol. 135; p. 1315.
 Hub, Roller-bearing. E. M. and H. Wolfenden. No. 893,411; July 14; Sp. p. 2041; Dr. p. 428; Gaz. vol. 135; p. 368.
 Hub-securing device. J. A. Weitzel. No. 902,127; Oct. 27; Sp. p. 4299; Dr. p. 871; Gaz. vol. 136; p. 1836.
 Hub, Sheet-metal. C. Heart. No. 906,494; Dec. 8; Sp. p. 2673; Gaz. vol. 137; p. 1461.
 Hub, Shock-shifter. J. Muir. No. 889,951; June 9; Sp. p. 1498; Dr. p. 340; Gaz. vol. 134; p. 1327.
 Hub, Spindle, and axle-arm. W. E. Baxter. No. 904,921; Nov. 24; Sp. p. 4926; Gaz. vol. 137; p. 879.
 Hub, Vehicle-. W. M. Preston. No. 879,584; Feb. 13; Sp. p. 3485; Dr. p. 730; Gaz. vol. 132; p. 1475.
 Hub, Vehicle-. D. L. Tschantz. No. 880,605; Mar. 3; Sp. p. 239; Dr. p. 49; Gaz. vol. 133; p. 42.
 Hub, Wheel-. R. L. Wilson. No. 882,441; Mar. 17; Sp. p. 3869; Dr. p. 826; Gaz. vol. 133; p. 700.
 Hub, Wheel-. H. J. Lawrence. No. 888,023; May 19; Sp. p. 3421; Dr. p. 718; Gaz. vol. 134; p. 614.
 Hub with ball-bearings. Wheel-. E. Sachs. No. 882,846; Mar. 24; Sp. p. 4689; Dr. p. 997; Gaz. vol. 133; p. 866.
 Hubs, &c., Appliance for compressing Sarven-wheel. H. E. Withered. No. 881,091; Mar. 3; Sp. p. 1196; Dr. p. 258; Gaz. vol. 133; p. 203.
 Huller. See Seed-huller.
 Hulling and cleaning device, Combined. G. A. Huber. No. 899,301; Sept. 22; Sp. p. 4077; Dr. p. 871; Gaz. vol. 136; p. 757.
 Humidifier. H. C. Townsend. No. 892,778; July 7; Sp. p. 755; Dr. p. 160; Gaz. vol. 135; p. 130.
 Humidifier. F. B. Comins. No. 900,355; Oct. 6; Sp. p. 590; Dr. p. 122; Gaz. vol. 136; p. 1165.
 Humidifier. F. B. Comins. No. 900,356; Oct. 6; Sp. p. 591; Dr. p. 122; Gaz. vol. 136; p. 1166.
 Humidifier. C. Subert. No. 902,622; Nov. 3; Sp. p. 181; Gaz. vol. 137; p. 30.
 Humidifier. C. Subert. No. 902,623; Nov. 3; Sp. p. 183; Gaz. vol. 137; p. 31.
 Humidifying apparatus. W. J. Kelley. No. 887,726; May 12; Sp. p. 2810; Dr. p. 593; Gaz. vol. 134; p. 487.
 Humidor. F. A. Traver. No. 892,916; July 7; Sp. p. 1066; Dr. p. 224; Gaz. vol. 135; p. 176.
 Humidor. N. G. Stark. No. 906,955; Dec. 15; Sp. p. 3552; Gaz. vol. 137; p. 1632.
 Humidor. A. Sargent. No. 907,412; Dec. 22; Sp. p. 4455; Gaz. vol. 137; p. 1819.
 Husker. J. A. Ramsey. No. 884,609; Apr. 14; Sp. p. 1907; Dr. p. 409; Gaz. vol. 133; p. 1526.
 Husker. J. A. Ramsey. No. 901,330; Oct. 20; Sp. p. 3697; Dr. p. 750; Gaz. vol. 136; p. 1711.
 Husking-machine. S. Steinmetz. No. 875,863; Jan. 7; Sp. p. 344; Dr. p. 77; Gaz. vol. 132; p. 64.
 Husking-mitten. J. W. Covert. No. 889,663; June 2; Sp. p. 915; Dr. p. 212; Gaz. vol. 134; p. 1209.
 Hydrant. C. J. Christensen. No. 883,086; Mar. 24; Sp. p. 5149; Dr. p. 1099; Gaz. vol. 133; p. 943.
 Hydrant. G. H. Traxel. No. 888,941; May 26; Sp. p. 5294; Dr. p. 1123; Gaz. vol. 134; p. 946.
 Hydrant. G. A. Owen. No. 894,898; Aug. 4; Sp. p. 218; Dr. p. 48; Gaz. vol. 135; p. 133.
 Hydrant. D. F. O'Brien. No. 905,915; Dec. 8; Sp. p. 1589; Gaz. vol. 137; p. 1274.
 Hydrant. F. S. Seagrave. No. 906,944; Dec. 15; Sp. p. 3532; Gaz. vol. 137; p. 1628.
 Hydrant, Combination fresh and salt water. F. Malloy. No. 897,755; Sept. 1; Sp. p. 1033; Dr. p. 220; Gaz. vol. 136; p. 167.
 Hydraulic elevator. T. Larsson. No. 899,224; Sept. 22; Sp. p. 3911; Dr. pp. 835-6; Gaz. vol. 136; p. 732.
 Hydraulic engine and pump. E. C. Roberts. No. 896,327; Aug. 18; Sp. p. 3081; Dr. p. 663; Gaz. vol. 135; p. 1447.
 Hydraulic jack. F. F. Ashmore. No. 883,773; Apr. 7; Sp. p. 181; Dr. p. 38; Gaz. vol. 133; p. 1223.
 Hydraulic jack. G. Appar. No. 884,884; Apr. 14; Sp. p. 2488; Dr. p. 525; Gaz. vol. 133; p. 1617.
 Hydraulic jack, punch, and similar machine. J. Weeks. No. 876,920; Jan. 14; Sp. p. 2503; Dr. p. 546; Gaz. vol. 132; p. 440.
 Hydraulic machinery. H. A. Higgins. No. 894,737; July 28; Sp. p. 4891; Dr. p. 1018; Gaz. vol. 135; p. 853.
 Hydraulic machinery, Throttling device for. C. L. Taylor. No. 881,165; Mar. 10; Sp. p. 1338; Dr. pp. 288-9; Gaz. vol. 133; p. 258.
 Hydraulic main. A. Seeley. No. 894,542; July 28; Sp. p. 4526; Dr. p. 937; Gaz. vol. 135; p. 790.
 Hydraulic motor. C. L. Wilkins. No. 878,700; Feb. 11; Sp. p. 1716; Dr. p. 355; Gaz. vol. 132; p. 1149.
 Hydraulic motor. O. F. Grant and J. G. McDowell. No. 880,298; Feb. 25; Sp. p. 4972; Dr. p. 1049; Gaz. vol. 132; p. 1743.
 Hydraulic motor. B. F. Fowler. No. 883,105; Mar. 24; Sp. p. 5179; Dr. p. 1106; Gaz. vol. 133; p. 950.
 Hydraulic motor. J. H. Ose. No. 883,972; Apr. 7; Sp. p. 614; Dr. pp. 122-3; Gaz. vol. 133; p. 1289.
 Hydraulic motor. W. C. Obernesser. No. 884,200; Apr. 7; Sp. p. 1108; Dr. p. 232; Gaz. vol. 133; p. 1365.
 Hydraulic motor. R. B. Goodrich. No. 884,654; Apr. 14; Sp. p. 2035; Dr. pp. 454-5; Gaz. vol. 133; p. 1541.
 Hydraulic motor. J. G. McDowell. No. 885,070; Apr. 21; Sp. p. 2861; Dr. p. 608; Gaz. vol. 133; p. 1708.
 Hydraulic motor. R. Davis. No. 888,698; May 26; Sp. p. 4772; Dr. p. 1016; Gaz. vol. 134; p. 866.
 Hydraulic motor. C. P. Johnson. No. 894,795; July 28; Sp. p. 4997; Dr. p. 1043; Gaz. vol. 135; p. 872.
 Hydraulic motor. A. R. Clarkson. No. 897,962; Sept. 8; Sp. p. 1509; Dr. pp. 319-20; Gaz. vol. 136; p. 266.
 Hydraulic motor. A. E. Weingartner. No. 902,351; Oct. 27; Sp. p. 4787; Dr. p. 966; Gaz. vol. 136; p. 1911.
 Hydraulic motor. A. O. Lavoie. No. 907,250; Dec. 22; Sp. p. 4159; Gaz. vol. 137; p. 1765.
 Hydraulic motor and air-compressor, Combined. G. E. Ocain. No. 896,571; Aug. 18; Sp. p. 3567; Dr. p. 767; Gaz. vol. 135; p. 1527.
 Hydraulic motor, Rotary. S. A. Ward. No. 908,365; Dec. 29; Sp. p. 6485; Gaz. vol. 137; p. 216c.
 Hydraulic press. T. H. Mapp. No. 876,821; Jan. 14; Sp. p. 2299; Dr. p. 505; Gaz. vol. 132; p. 407.
 Hydraulic press. W. Tatarinoff. No. 877,139; Jan. 21; Sp. p. 2999; Dr. p. 648; Gaz. vol. 132; p. 555.
 Hydraulic press. W. Astfalck. No. 882,045; Mar. 17; Sp. p. 3145; Dr. pp. 668-9; Gaz. vol. 133; p. 571.
 Hydraulic press. T. E. Holmes. No. 898,365; Sept. 8; Sp. p. 2267; Dr. pp. 481-2; Gaz. vol. 136; p. 395.
 Hydraulic press. J. H. Ferguson. No. 901,086; Oct. 13; Sp. p. 2132; Dr. p. 434; Gaz. vol. 136; p. 1431.
 Hydraulic separator and classifier. C. E. Seymour. No. 896,471; Aug. 18; Sp. p. 3370; Dr. pp. 725-6; Gaz. vol. 135; p. 1494.
 Hydro-extractor. H. Diamanti and N. Beuf. No. 905,297; Dec. 1; Sp. p. 326; Gaz. vol. 137; p. 1040.
 Hydrocarbon-burner. R. V. Hoffman. No. 876,457; Jan. 14; Sp. p. 1557; Dr. p. 334; Gaz. vol. 132; p. 286.
 Hydrocarbon-burner. S. Morris. No. 876,476; Jan. 14; Sp. p. 1593; Dr. p. 342; Gaz. vol. 132; p. 292.
 Hydrocarbon-burner. S. W. Bates. No. 877,897; Feb. 4; Sp. p. 1; Dr. p. 1; Gaz. vol. 132; p. 849.
 Hydrocarbon-burner. S. W. Bates. No. 877,898; Feb. 4; Sp. p. 2; Dr. p. 1; Gaz. vol. 132; p. 849.
 Hydrocarbon-burner. W. H. Wilhelm. No. 881,515; Mar. 10; Sp. p. 2036; Dr. p. 444; Gaz. vol. 133; p. 370.
 Hydrocarbon-burner. G. W. Reed. No. 882,585; Mar. 24; Sp. p. 4160; Dr. p. 882; Gaz. vol. 133; p. 779.
 Hydrocarbon-burner. G. Rehbein. No. 883,236; Mar. 31; Sp. p. 5474; Dr. p. 1167; Gaz. vol. 133; p. 1024.
 Hydrocarbon-burner. A. Akeson. No. 883,373; Mar. 31; Sp. p. 5750; Dr. p. 1228; Gaz. vol. 133; p. 1068.
 Hydrocarbon-burner. R. J. Sundberg and J. Nelson. No. 885,105; Apr. 21; Sp. p. 2932; Dr. p. 622; Gaz. vol. 133; p. 1719.
 Hydrocarbon-burner. E. Molinari. No. 885,357; Apr. 21; Sp. p. 3488; Dr. p. 727; Gaz. vol. 133; p. 1804.
 Hydrocarbon-burner. R. H. White. No. 886,103; Apr. 28; Sp. p. 5018; Dr. p. 1055; Gaz. vol. 133; p. 2073.
 Hydrocarbon-burner. F. G. Schmidt. No. 888,453; May 19; Sp. p. 4253; Dr. p. 901; Gaz. vol. 134; p. 753.
 Hydrocarbon-burner. L. H. Ashlock. No. 889,291; June 2; Sp. p. 197; Dr. p. 50; Gaz. vol. 134; p. 1089.
 Hydrocarbon-burner. L. A. Blushack. No. 892,706; July 7; Sp. p. 607; Dr. p. 131; Gaz. vol. 135; p. 107.

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- Hydrocarbon-burner. C. A. Yates. No. 893,599; July 14; Sp. p. 2385; Dr. p. 500; Gaz. vol. 135; p. 415.
 Hydrocarbon-burner. J. F. Barker. No. 893,599; July 21; Sp. p. 2485; Dr. pp. 517-18; Gaz. vol. 135; p. 458.
 Hydrocarbon-burner. L. A. Blubaugh. No. 893,775; July 21; Sp. p. 2916; Dr. p. 598; Gaz. vol. 135; p. 518.
 Hydrocarbon-burner. W. H. Callihan. No. 895,338; Aug. 4; Sp. p. 1131; Dr. p. 238; Gaz. vol. 135; p. 1082.
 Hydrocarbon-burner. G. H. Thayer, Jr. No. 895,596; Aug. 11; Sp. p. 1644; Dr. p. 346; Gaz. vol. 135; p. 1190.*
 Hydrocarbon-burner. B. C. Hamilton. No. 897,202; Aug. 25; Sp. p. 4874; Dr. p. 1037; Gaz. vol. 135; p. 1755.
 Hydrocarbon-burner. A. Beler. No. 899,003; Sept. 15; Sp. p. 3475; Dr. p. 744; Gaz. vol. 136; p. 632.
 Hydrocarbon-burner. V. W. and L. S. Blanchard. No. 900,652; Oct. 6; Sp. p. 1244; Dr. p. 255; Gaz. vol. 136; p. 1264.
 Hydrocarbon-burner. A. A. Ball, Jr. No. 901,415; Oct. 20; Sp. p. 2818; Dr. pp. 575-6; Gaz. vol. 136; p. 1575.
 Hydrocarbon-burner. E. J. Achée. No. 904,911; Nov. 24; Sp. p. 4906; Gaz. vol. 137; p. 876.
 Hydrocarbon-burner. W. Scrimgeour. No. 905,939; Dec. 8; Sp. p. 1632; Gaz. vol. 137; p. 1282.
 Hydrocarbon-burner. E. P. Harms. No. 907,043; Dec. 15; Sp. p. 3702; Gaz. vol. 137; p. 1659.
 Hydrocarbon-burners. Feed device for. A. Akesson. No. 883,374; Mar. 31; Sp. p. 5753; Dr. p. 1229; Gaz. vol. 133; p. 1068.
 Hydrocarbon-burners. System of fuel-supply for. H. Lemp. No. 903,738; Nov. 10; Sp. p. 2396; Gaz. vol. 137; p. 422.
 Hydrocarbon-burning apparatus. H. Hyde. No. 902,298; Oct. 27; Sp. p. 4654; Dr. p. 945; Gaz. vol. 136; p. 1892.
 Hydrocarbon engine. J. W. Packard and W. A. Hatcher. No. 887,013; May 5; Sp. p. 1340; Dr. p. 284; Gaz. vol. 134; p. 223.
 Hydrocarbon engine. A. Schieferstein. No. 887,347; May 12; Sp. p. 2063; Dr. p. 433; Gaz. vol. 134; p. 362.
 Hydrocarbon engine. F. A. Haselwander. No. 887,393; May 12; Sp. p. 2181; Dr. pp. 456-7; Gaz. vol. 134; p. 377.
 Hydrocarbon engine. Two-cycle. D. L. Oulton. No. 877,589; Jan. 28; Sp. p. 3918; Dr. pp. 847-8; Gaz. vol. 132; p. 723.
 Hydrocarbon engine. Two-cycle. D. L. Oulton. No. 877,590; Jan. 28; Sp. p. 3921; Dr. pp. 848-9; Gaz. vol. 132; p. 723.
 Hydrocarbon-motor. A. A. Low. No. 879,659; Feb. 18; Sp. p. 3643; Dr. p. 762; Gaz. vol. 132; p. 1499.
 Hydrocarbon-motor. A. A. Low. No. 883,412; Mar. 31; Sp. p. 5855; Dr. p. 1247; Gaz. vol. 133; p. 1081.
 Hydrocarbon-motor. H. G. W. Reichenbach, A. A. Low, and A. Wassmann. No. 903,772; Nov. 10; Sp. p. 2465; Gaz. vol. 137; p. 432.
 Hydrocarbon-motor. A. A. Low. No. 904,544; Nov. 24; Sp. p. 4136; Gaz. vol. 137; p. 754.
 Hydrocarbon-torch. F. B. Carleton. No. 901,307; Oct. 13; Sp. p. 2552; Dr. p. 525; Gaz. vol. 136; p. 1501.
 Hydrocarbon-vapor burner. T. J. Cornish. No. 888,423; May 19; Sp. p. 4192; Dr. p. 888; Gaz. vol. 134; p. 743.
 Hydrocarbons. Nebulizer of the heavier liquid. J. H. Stringham and J. B. Elmendorf. No. 876,108; Jan. 7; Sp. p. 826; Dr. p. 178; Gaz. vol. 132; p. 140.
 Hydrogen, Generating. H. Foersterling and H. Philipp. No. 883,531; Mar. 31; Sp. p. 6096; Dr. p. 1296; Gaz. vol. 133; p. 1119.
 Hydrogen peroxid and making same, Stable solution of. W. Heinrici. No. 876,179; Jan. 7; Sp. p. 958; Gaz. vol. 132; p. 163.
 Hydromotor. A. Graf. No. 891,214; June 16; Sp. p. 4091; Dr. pp. 898-9; Gaz. vol. 134; p. 1774.
 Hydromotor. A. Graf. No. 894,135; July 21; Sp. p. 3657; Dr. pp. 755-6; Gaz. vol. 135; p. 636.
 Hydroxyarylarsonoxid. P. Ehrlich and A. Bertheim. No. 907,978; Dec. 29; Sp. p. 5671; Gaz. vol. 137; p. 2035.
 Hypochlorite solutions by electrolytic methods, Manufacture of. W. P. Digby. No. 892,983; July 14; Sp. p. 1200; Dr. pp. 253-4; Gaz. vol. 135; p. 228.
 Ice bowl, Chipped-. S. W. Hitchcock. No. 885,475; Apr. 21; Sp. p. 3703; Dr. p. 778; Gaz. vol. 133; p. 1841.
 Ice-can. P. C. Burhans. No. 878,501; Feb. 11; Sp. p. 1304; Dr. p. 263; Gaz. vol. 132; p. 1082.
 Ice-card holder. A. D. Peebles. No. 885,282; Apr. 21; Sp. p. 3325; Dr. p. 694; Gaz. vol. 133; p. 1778.
 Ice-cleaner for trolley-poles. J. M. Olinger. No. 885,368; Apr. 21; Sp. p. 3513; Dr. p. 733; Gaz. vol. 133; p. 1808.
 Ice-cream and other matter, Apparatus for preserving. C. C. Trowbridge. No. 907,099; Dec. 15; Sp. p. 3799; Gaz. vol. 137; p. 1676.
 Ice-cream and the like package. G. J. L. James and J. J. Lanzit. No. 892,159; June 30; Sp. p. 6036; Dr. p. 1298; Gaz. vol. 134; p. 2149.
 Ice-cream-can attachment. L. A. Carroll. No. 884,315; Apr. 7; Sp. p. 1299; Dr. p. 275; Gaz. vol. 133; p. 1400.
 Ice-cream-can attachment. E. G. Appleton. No. 902,363; Oct. 27; Sp. p. 4807; Dr. p. 970; Gaz. vol. 136; p. 1915.
 Ice-cream cooler and soda-fountain. W. H. Wallace. No. 891,577; June 23; Sp. p. 4855; Dr. p. 1046; Gaz. vol. 134; p. 1925.
 Ice-cream cornets, Device for filling. M. Bohlig. No. 900,348; Oct. 6; Sp. p. 579; Dr. p. 120; Gaz. vol. 136; p. 1163.
 Ice-cream dipper. E. Walker. No. 892,633; July 7; Sp. p. 470; Dr. p. 100; Gaz. vol. 135; p. 84.
 Ice-cream disher. L. J. Graffort and P. L. Hoffman. No. 901,437; Oct. 20; Sp. p. 2867; Dr. p. 586; Gaz. vol. 136; p. 1583.
 Ice-cream disher. L. J. Graffort and P. L. Hoffman. No. 903,563; Nov. 10; Sp. p. 2064; Gaz. vol. 137; p. 369.
 Ice-cream freezer. B. G. Butler. No. 878,709; Feb. 11; Sp. p. 1742; Dr. p. 360; Gaz. vol. 132; p. 1152.
 Ice-cream freezer. T. L. Valerius. No. 882,032; Mar. 17; Sp. p. 3115; Dr. p. 662; Gaz. vol. 133; p. 567.
 Ice-cream freezer. T. J. Fegley. No. 882,936; Mar. 24; Sp. p. 4875; Dr. p. 1035; Gaz. vol. 133; p. 896.
 Ice-cream freezer. T. L. Valerius. No. 883,064; Mar. 24; Sp. p. 5104; Dr. p. 1089; Gaz. vol. 133; p. 936.
 Ice-cream freezer. M. A. Rowe. No. 883,570; Mar. 31; Sp. p. 6174; Dr. p. 1313; Gaz. vol. 133; p. 1130.
 Ice-cream freezer. C. F. Barry. No. 896,077; Aug. 18; Sp. p. 2600; Dr. p. 563; Gaz. vol. 135; p. 1368.
 Ice-cream freezer. J. H. Hart. No. 898,048; Sept. 8; Sp. p. 1672; Dr. p. 355; Gaz. vol. 136; p. 293.
 Ice-cream freezer. T. L. Valerius. No. 899,925; Sept. 29; Sp. p. 5337; Dr. p. 1140; Gaz. vol. 136; p. 995.
 Ice-cream freezer. T. L. Valerius. No. 899,926; Sept. 29; Sp. p. 5340; Dr. p. 1140; Gaz. vol. 136; p. 995.
 Ice-cream freezer. T. L. Valerius. No. 899,928; Sept. 29; Sp. p. 5352; Dr. pp. 1142-3; Gaz. vol. 136; p. 996.
 Ice-cream freezer. F. Tyson. No. 903,030; Nov. 3; Sp. p. 1007; Gaz. vol. 137; p. 165.
 Ice-cream-freezer attachment. O. R. Briggs. No. 900,657; Oct. 6; Sp. p. 1258; Dr. p. 257; Gaz. vol. 136; p. 1266.
 Ice-cream mold. B. W. Brown. No. 889,899; June 9; Sp. p. 1396; Dr. p. 317; Gaz. vol. 134; p. 1310.
 Ice-cream packer. E. C. A. Johnson. No. 906,889; Dec. 15; Sp. p. 3434; Gaz. vol. 137; p. 1611.
 Ice-cream pastry cones, Machine for making. O. Hauge. No. 907,797; Dec. 29; Sp. p. 5300; Gaz. vol. 137; p. 1977.
 Ice-cream pastry cones, Machine for making. O. Hauge. No. 907,798; Dec. 29; Sp. p. 5302; Gaz. vol. 137; p. 1977.
 Ice-cream scraper. R. Nielsen. No. 884,411; Apr. 14; Sp. p. 1497; Dr. p. 322; Gaz. vol. 133; p. 1462.
 Ice-cream spoon. C. E. McCarren. No. 900,573; Oct. 6; Sp. p. 1076; Dr. p. 221; Gaz. vol. 136; p. 1238.
 Ice-creper. A. B. Johnson. No. 877,929; Feb. 4; Sp. p. 71; Dr. p. 14; Gaz. vol. 132; p. 861.
 Ice-creper. J. Matteson. No. 883,556; Mar. 31; Sp. p. 6155; Dr. p. 1308; Gaz. vol. 133; p. 1126.
 Ice-creper. P. F. Lefebvre. No. 883,816; Apr. 7; Sp. p. 285; Dr. p. 53; Gaz. vol. 133; p. 1238.
 Ice-creper. J. A. E. Anderson. No. 885,827; Apr. 23; Sp. p. 4446; Dr. p. 934; Gaz. vol. 133; p. 1983.
 Ice-creper. J. E. Ush. No. 890,826; June 16; Sp. p. 3325; Dr. p. 728; Gaz. vol. 134; p. 1649.
 Ice-creper. W. J. Roche. No. 896,158; Aug. 18; Sp. p. 2730; Dr. p. 588; Gaz. vol. 135; p. 1391.
 Ice-creper. A. G. Secrist. No. 908,040; Dec. 29; Sp. p. 5802; Gaz. vol. 137; p. 2055.
 Ice crusher and elevator. A. V. Culver. No. 894,425; July 28; Sp. p. 4296; Dr. p. 886; Gaz. vol. 135; p. 753.
 Ice-cutter. C. G. Kimball. No. 900,933; Oct. 13; Sp. p. 1844; Dr. p. 375; Gaz. vol. 136; p. 1382.
 Ice-cutting apparatus. F. B. Clark. No. 892,223; June 30; Sp. p. 6159; Dr. pp. 1327-8; Gaz. vol. 134; p. 2171.
 Ice-cutting apparatus, Plate-. P. F. Stein. No. 904,569; Nov. 24; Sp. p. 4190; Gaz. vol. 137; p. 763.
 Ice-cutting machine. F. White. No. 879,933; Feb. 25; Sp. p. 4246; Dr. pp. 887-8; Gaz. vol. 132; p. 1624.
 Ice-cutting machine. H. F. Fischer and M. H. Dette. No. 892,039; June 30; Sp. p. 5805; Dr. pp. 1248-9; Gaz. vol. 134; p. 2110.
 Ice-cutting machine. H. K. Burnett and G. H. Bahret. No. 899,825; Sept. 29; Sp. p. 5137; Dr. p. 1099; Gaz. vol. 136; p. 964.
 Ice-cutting machine. G. S. Blakeslee. No. 902,200; Oct. 27; Sp. p. 4451; Dr. p. 900; Gaz. vol. 136; p. 1860.
 Ice-cutting machine. J. J. Merrill. No. 902,503; Oct. 27; Sp. p. 5124; Dr. p. 1037; Gaz. vol. 136; p. 1962.
 Ice-cutting tool. J. G. Bodenstern. No. 898,306; Sept. 8; Sp. p. 2163; Dr. p. 459; Gaz. vol. 136; p. 374.
 Ice from power-streams, Apparatus for deflecting frazil and anchor. F. C. Pierce. No. 888,924; May 26; Sp. p. 5254; Dr. p. 1115, Gaz. vol. 134; p. 941.
 Ice-harvesting machine. T. Diamond. No. 877,916; Feb. 4; Sp. p. 42; Dr. p. 8; Gaz. vol. 132; p. 856.
 Ice-machine compressor. C. W. Miles. No. 878,483; Feb. 4; Sp. p. 1206; Dr. p. 249; Gaz. vol. 132; p. 1043.
 Ice-machine freezing-tank, Plate-. F. Allen. No. 905,622; Dec. 1; Sp. p. 1023; Gaz. vol. 137; p. 1147.
 Ice-machine, Hydraulic-electric. D. L. Holden. No. 877,193; Jan. 21; Sp. p. 3113; Dr. p. 674; Gaz. vol. 132; p. 573.
 Ice-machine press. D. L. Holden. No. 876,352; Jan. 14; Sp. p. 1320; Dr. p. 286; Gaz. vol. 132; p. 251.
 Ice-machine, Vertical. D. L. Holden. No. 892,424; July 7; Sp. p. 61; Dr. p. 15; Gaz. vol. 135; p. 14.
 Ice-making apparatus. D. T. Williams. No. 882,224; Mar. 17; Sp. p. 3476; Dr. p. 739; Gaz. vol. 133; p. 628.
 Ice-making apparatus. D. J. Havenstrite. (Reissue.) No. 12,808; June 9; Sp. p. 2809; Dr. p. 619; Gaz. vol. 134; p. 1539.
 Ice-making machine. T. H. Ray. No. 876,015; Jan. 7; Sp. p. 638; Dr. pp. 136-7; Gaz. vol. 132; p. 110.
 Ice-making plant. H. McChesley. No. 903,755; Nov. 10; Sp. p. 2437; Gaz. vol. 137; p. 427.
 Ice manufacture, Apparatus for. C. M. Smith. No. 896,594; Aug. 18; Sp. p. 3612; Dr. p. 776; Gaz. vol. 135; p. 1535.
 Ice plants, Electric recorder for. W. D. Cain and W. H. Williams. No. 898,313; Sept. 8; Sp. p. 2173; Dr. p. 461; Gaz. vol. 136; p. 376.
 Ice-plow attachment. S. Knecht. No. 889,623; June 2; Sp. p. 850; Dr. p. 194; Gaz. vol. 134; p. 1196.
 Ice-road-making machine. A. Wettervik. No. 878,584; Feb. 11; Sp. p. 1494; Dr. pp. 303-4; Gaz. vol. 132; p. 1111.
 Ice-scraper and brush sweeping device. W. G. Reid and A. J. Smith. No. 907,880; Dec. 29; Sp. p. 5450; Gaz. vol. 137; p. 2003.
 Ice-shaver. W. S. Brown. No. 903,053; Nov. 3; Sp. p. 1049; Gaz. vol. 137; p. 171.
 Ice-tank. W. Curl and E. Wheelock. No. 901,692; Oct. 20; Sp. p. 3434; Dr. p. 696; Gaz. vol. 136; p. 1668.

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- Ice-tongs. G. A. Walker. No. 878,839; Feb. 11; Sp. p. 1981; Dr. p. 411; Gaz. vol. 132; p. 1193.
Ice-tongs. J. L. Williams. No. 834,448; Apr. 14; Sp. p. 1377; Dr. p. 339; Gaz. vol. 133; p. 1474.
Ice-tongs and weighing-scale, Combined. W. B. Moore. No. 876,213; Jan. 7; Sp. p. 1026; Dr. p. 221; Gaz. vol. 132; p. 174.
Ice-walker. W. S. Paulson. No. 893,055; Sept. 22; Sp. p. 3593; Dr. p. 769; Gaz. vol. 136; p. 679.
Identifying articles and such identified article, Method of. J. M. Boyle. No. 883,778; Apr. 7; Sp. p. 189; Dr. p. 35; Gaz. vol. 133; p. 1224.
Identifying device, Garment and headwear. I. S. Ross. No. 890,530; June 9; Sp. p. 2676; Dr. p. 590; Gaz. vol. 134; p. 1517.
Igniter. G. J. Schultze. No. 877,130; Jan. 21; Sp. p. 2981; Dr. p. 644; Gaz. vol. 132; p. 552.
Igniter. G. J. Schultze. No. 889,338; June 2; Sp. p. 280; Dr. p. 68; Gaz. vol. 134; p. 1103.
Igniter. C. B. King. No. 891,552; June 23; Sp. p. 4803; Dr. p. 1038; Gaz. vol. 134; p. 1917.
Igniter. W. L. Wayrynen. No. 891,647; June 23; Sp. p. 5019; Dr. pp. 1080-1; Gaz. vol. 134; p. 1949.
Igniter. E. E. Buttles. No. 893,950; Sept. 29; Sp. p. 5406; Dr. p. 1153; Gaz. vol. 136; p. 1003.
Igniter, Electric. J. N. Lansinger. No. 886,138; Apr. 28; Sp. p. 5090; Dr. p. 1068; Gaz. vol. 133; p. 2085.
Igniter, Self-. R. E. Berthold. No. 894,420; July 28; Sp. p. 4283; Dr. p. 884; Gaz. vol. 135; p. 751.
Igniter, Sparking. P. Gaeth. No. 880,650; Mar. 3; Sp. p. 329; Dr. pp. 71-2; Gaz. vol. 133; p. 58.
Igniting apparatus, Electrical. E. S. Huff. No. 882,003; Mar. 17; Sp. p. 3054; Dr. p. 650; Gaz. vol. 133; p. 558.
Igniting device, Electric. R. E. Hardy. No. 884,731; Apr. 14; Sp. p. 2182; Dr. p. 463; Gaz. vol. 133; p. 1568.
Igniting device, Self-. O. M. Müller. No. 904,886; Nov. 24; Sp. p. 4862; Gaz. vol. 137; p. 869.
Ignition-controlling apparatus. C. Mitchell, Jr. No. 899,751; Sept. 29; Sp. p. 4974; Dr. p. 1066; Gaz. vol. 136; p. 939.
Ignition systems, Coil-box switch for. R. Varley. No. 891,017; June 16; Sp. p. 3725; Dr. p. 813; Gaz. vol. 134; p. 1712.
Ignition systems, Timing device for jump-spark. W. D. Foreman. No. 889,450; June 2; Sp. p. 517; Dr. p. 122; Gaz. vol. 134; p. 1141.
Illuminating apparatus. J. Schmidt. No. 898,607; Sept. 15; Sp. p. 2752; Dr. p. 588; Gaz. vol. 136; p. 504.
Illuminating device. A. W. Beuttell. (Reissue.) No. 12,795; May 26; Sp. p. 5783; Dr. p. 1225; Gaz. vol. 134; p. 1024.
Illuminating device. W. H. Molloy. No. 902,313; Oct. 27; Sp. p. 4698; Dr. p. 951; Gaz. vol. 136; p. 1898.
Illuminating system, Intermittent. F. B. Badt. No. 902,798; Nov. 3; Sp. p. 511; Gaz. vol. 137; p. 89.
Illusion apparatus. H. R. Law. No. 888,021; May 19; Sp. p. 3419; Dr. p. 718; Gaz. vol. 134; p. 614.
Illusory dramatic effects, Apparatus for producing. N. Burgess. No. 883,291; Mar. 31; Sp. p. 5595; Dr. p. 1192; Gaz. vol. 133; p. 1042.
Immersion-regulator. A. E. Jones. No. 881,930; Mar. 17; Sp. p. 2893; Dr. p. 617; Gaz. vol. 133; p. 535.
Immersion-regulator for submarines and torpedoes, Automatic. E. Schneider. No. 904,093; Nov. 17; Sp. p. 3162; Gaz. vol. 137; p. 573.
Implement, Combination. O. Kampfe. No. 899,408; Sept. 22; Sp. p. 4263; Dr. p. 915; Gaz. vol. 136; p. 790.
Implement, Compound. J. H. Haynes. No. 877,323; Jan. 21; Sp. p. 3390; Dr. p. 734; Gaz. vol. 133; p. 613.
Implement-handle. O. Kampfe. No. 876,718; Jan. 14; Sp. p. 2118; Dr. p. 465; Gaz. vol. 132; p. 375.
Implement, Pocket. O. Kampfe. No. 899,407; Sept. 22; Sp. p. 4262; Dr. p. 914; Gaz. vol. 136; p. 790.
Implement, Rotary. C. W. Keen. No. 881,932; Mar. 17; Sp. p. 2899; Dr. p. 618; Gaz. vol. 133; p. 535.
Impregnator. F. B. Graham. No. 899,728; Sept. 29; Sp. p. 4916; Dr. p. 1055; Gaz. vol. 136; p. 930.
Impression-tray and cheek-distender, Combined. R. E. Sadler. No. 880,328; Feb. 25; Sp. p. 5018; Dr. p. 1059; Gaz. vol. 132; p. 1752.
Incandescent bodies for incandescent lights, Apparatus for hardening. M. Sensenschmidt. No. 879,202; Feb. 18; Sp. p. 2692; Dr. p. 561; Gaz. vol. 132; p. 1350.
Incandescent burner. A. G. Fell. No. 879,249; Feb. 18; Sp. p. 2775; Dr. pp. 581-2; Gaz. vol. 132; p. 1365.
Incandescent burner. H. M. Reichenbach. No. 904,448; Nov. 17; Sp. p. 3916; Gaz. vol. 137; p. 694.
Incandescent illuminant. O. M. Thowless. No. 905,119; Nov. 24; Sp. p. 5319; Gaz. vol. 137; p. 947.
Incandescent light, Hydrocarbon. V. H. Slinack. No. 885,189; Apr. 21; Sp. p. 3136; Dr. p. 658; Gaz. vol. 133; p. 1747.
Incandescent mantle. F. Frowein. No. 893,578; July 14; Sp. p. 2439; Dr. p. 508; Gaz. vol. 135; p. 422.
Incinerating-furnace. J. Ross. No. 885,380; Apr. 21; Sp. p. 3545; Dr. p. 741; Gaz. vol. 133; p. 1812.
Incinerator for garbage, excrement, &c. E. F. Esperandieu. No. 893,229; July 14; Sp. p. 1701; Dr. p. 359; Gaz. vol. 135; p. 307.
Inclosing frame, Non-circular metallic. J. P. Eustis. No. 908,401; Dec. 29; Sp. p. 6572; Gaz. vol. 137; p. 2179.
Incrustations, Removing. F. B. Camors. No. 887,062; May 12; Sp. p. 1442; Gaz. vol. 134; p. 266.
Incubator. F. T. Porter. No. 877,731; Jan. 28; Sp. p. 4180; Dr. p. 906; Gaz. vol. 132; p. 768.
Incubator. C. Dahl. No. 877,833; Jan. 28; Sp. p. 4366; Dr. p. 949; Gaz. vol. 132; p. 800.
Incubator. J. L. Nix. No. 881,331; Mar. 10; Sp. p. 1673; Dr. p. 360; Gaz. vol. 133; p. 312.
Incubator. W. E. Tredway. No. 881,504; Mar. 10; Sp. p. 2018; Dr. p. 440; Gaz. vol. 133; p. 367.
Incubator. J. H. Haughwout. No. 885,045; Apr. 21; Sp. p. 2821; Dr. p. 597; Gaz. vol. 133; p. 1700.
Incubator. G. H. Lee. No. 889,697; June 2; Sp. p. 1003; Dr. p. 231; Gaz. vol. 134; p. 1219.
Incubator. G. W. Moore. No. 890,081; June 9; Sp. p. 1772; Dr. p. 392; Gaz. vol. 134; p. 1372.
Incubator. L. Carlberger. No. 894,114; July 21; Sp. p. 3615; Dr. p. 745; Gaz. vol. 135; p. 630.
Incubator. J. A. Swenson. No. 896,597; Aug. 18; Sp. p. 3615; Dr. p. 776; Gaz. vol. 135; p. 1535.
Incubator. G. Kutz. No. 898,229; Sept. 8; Sp. p. 2032; Dr. p. 431; Gaz. vol. 136; p. 350.
Incubator. L. S. Bache. No. 898,301; Sept. 8; Sp. p. 2156; Dr. p. 458; Gaz. vol. 136; p. 372.
Incubator. A. A. Clodi. No. 901,153; Oct. 13; Sp. p. 2252; Dr. p. 458; Gaz. vol. 136; p. 1453.
Incubator. J. A. Britton. No. 904,599; Nov. 24; Sp. p. 4236; Gaz. vol. 137; p. 772.
Incubator-alarm. F. R. Harris. No. 884,018; Apr. 7; Sp. p. 709; Dr. pp. 143-4; Gaz. vol. 133; p. 1306.
Incubator-alarm. R. Johnson. No. 894,835; Aug. 4; Sp. p. 71; Dr. p. 15; Gaz. vol. 135; p. 912.
Incubator and brooder heater. L. N. Porter. No. 892,619; July 7; Sp. p. 430; Dr. p. 94; Gaz. vol. 135; p. 79.
Incubator-heater. W. H. Wagner. No. 875,871; Jan. 7; Sp. p. 361; Dr. p. 80; Gaz. vol. 132; p. 66.
Incubator-heater. R. F. Brooks. No. 876,142; Jan. 7; Sp. p. 894; Dr. p. 192; Gaz. vol. 132; p. 152.
Incubator-heater. W. A. Sumner. (Reissue.) No. 12,742; Jan. 28; Sp. p. 4490; Dr. p. 977; Gaz. vol. 132; p. 821.
Incubator-heater. L. P. Harris. No. 893,844; July 21; Sp. p. 3068; Dr. p. 626; Gaz. vol. 135; p. 541.
Incubator-heater. M. J. Spicer. No. 899,347; Sept. 22; Sp. p. 4153; Dr. p. 889; Gaz. vol. 133; p. 771.
Incubator-heater. H. E. Keller. No. 904,702; Nov. 24; Sp. p. 4453; Gaz. vol. 137; p. 807.
Incubator-heater. P. M. Wickstrum. No. 906,843; Dec. 15; Sp. p. 3330; Gaz. vol. 137; p. 1593.
Incubator-heaters, Lamp-support for. C. Z. Davis and J. H. Baer. No. 883,939; Apr. 7; Sp. p. 545; Dr. p. 108; Gaz. vol. 133; p. 1280.
Incubator-heating apparatus. J. L. Nix. No. 877,586; Jan. 21; Sp. p. 3912; Dr. p. 816; Gaz. vol. 132; p. 722.
Incubator-heating device. E. M. Wallace. No. 888,208; May 19; Sp. p. 3764; Dr. p. 790; Gaz. vol. 134; p. 672.
Incubator-heating mechanism. J. L. Nix. No. 896,236; Aug. 18; Sp. p. 2882; Dr. p. 622; Gaz. vol. 135; p. 1419.
Incubator-partition. A. McEwan. No. 894,846; Aug. 4; Sp. p. 86; Dr. p. 18; Gaz. vol. 135; p. 915.
Incubator-regulator. P. M. Wickstrum. No. 892,635; July 7; Sp. p. 474; Dr. p. 101; Gaz. vol. 135; p. 84.
Incubator signaling device. G. Mücke. No. 886,148; Apr. 28; Sp. p. 5108; Dr. p. 1073; Gaz. vol. 133; p. 2088.
Incubator-tray. J. E. Frantz. No. 876,051; Jan. 7; Sp. p. 702; Dr. p. 151; Gaz. vol. 132; p. 121.
Incubator turn-table. C. V. Snedeker and J. D. Ware. No. 890,536; June 9; Sp. p. 2687; Dr. pp. 592-3; Gaz. vol. 134; p. 1519.
Incubators and brooders, Attachment for. W. E. Tredway. No. 882,657; Mar. 24; Sp. p. 4305; Dr. p. 914; Gaz. vol. 133; p. 804.
Index. H. Denlinger. No. 878,612; Feb. 11; Sp. p. 1556; Dr. p. 317; Gaz. vol. 132; p. 1120.
Index. W. J. Roussel. No. 881,156; Mar. 10; Sp. p. 1327; Dr. p. 286; Gaz. vol. 133; p. 256.
Index. F. E. Smith. No. 891,505; June 23; Sp. p. 4701; Dr. p. 1018; Gaz. vol. 134; p. 1902.
Index. E. Davis. No. 897,600; Sept. 1; Sp. p. 739; Dr. p. 156; Gaz. vol. 136; p. 117.
Index and filing system. J. F. Dunleavy. No. 897,604; Sept. 1; Sp. p. 745; Dr. p. 158; Gaz. vol. 136; p. 118.
Index and pad, Combined. C. H. Young. No. 903,940; Nov. 17; Sp. p. 2867; Gaz. vol. 137; p. 523.
Index, Card-. G. A. Baker. No. 876,252; Jan. 7; Sp. p. 1092; Dr. p. 238; Gaz. vol. 132; p. 185.
Index, Card-. M. A. Repelow. No. 892,890; July 7; Sp. p. 1003; Dr. pp. 210-11; Gaz. vol. 135; p. 167.
Index-cutting machine. F. P. Rosback. No. 889,401; June 2; Sp. p. 422; Dr. pp. 93-102; Gaz. vol. 134; p. 1125.
Index device, Card-. J. B. Mahoney. No. 892,170; June 30; Sp. p. 6060; Dr. p. 1303; Gaz. vol. 134; p. 2153.
Index drawer, Card-. E. M. Olson. No. 904,638; Nov. 24; Sp. p. 4322; Gaz. vol. 137; p. 786.
Index for books. G. W. Boggs. No. 876,767; Jan. 14; Sp. p. 2200; Dr. pp. 483-4; Gaz. vol. 132; p. 390.
Index-guide. J. H. Rand. No. 889,332; June 2; Sp. p. 269; Dr. p. 66; Gaz. vol. 134; p. 1102.
Index rods, Centering device for card-. P. H. Yawman. No. 892,488; July 7; Sp. p. 186; Dr. p. 39; Gaz. vol. 135; p. 36.
Index system, Card-. S. S. Bradway. No. 876,319; Jan. 14; Sp. p. 1254; Dr. p. 272; Gaz. vol. 132; p. 241.
Index tray, Card-. F. W. Gerhard. No. 903,855; Nov. 17; Sp. p. 2659; Gaz. vol. 137; p. 493.
Indexing or dividing head. E. J. McClellan. No. 876,574; Jan. 14; Sp. p. 1818; Dr. p. 396; Gaz. vol. 132; p. 327.
Indexing system. S. B. Darling. No. 895,974; Aug. 11; Sp. p. 2402; Dr. p. 514; Gaz. vol. 135; p. 1311.
Indicating and recording instrument. W. F. Howe. No. 904,783; Nov. 24; Sp. p. 4640; Gaz. vol. 137; p. 834.
Indicating and recording system. W. H. Bristol. No. 880,273; Feb. 25; Sp. p. 4923; Dr. p. 1042; Gaz. vol. 132; p. 1734.
Indicating stations, advertisements, and other announcements, Apparatus for. A. F. Hayn and J. A. W. Leilich. No. 896,206; Aug. 18; Sp. p. 2824; Dr. pp. 608-9; Gaz. vol. 135; p. 1407.

Alphabetical list of inventions—Continued.

- Indicator: See Adjustable indicator; Advertising-indicator; Announcing or station indicator; Baling-press indicator; Battery-indicator; Brake-indicator; Car-indicator; Car-load indicator; Clock or other indicator; Dose-indicator; Electric indicator; Engine-indicator; Engine-motion indicator; Fare-indicator; Firearm-indicator; Fluid-level indicator; Hot-box indicator; Lag-indicator; Line-indicator; Lock-indicator; Micrometer-indicator; Motion-indicator; Music-indicator; Poison-indicator; Poultry-indicator; Pressure-indicator; Radiator-indicator; Railway safety-indicator; Ship or log speed indicator; Speed-indicator; Station-indicator; Street-indicator; Street or station indicator; Switching-indicator; Tank-indicator; Telephone-indicator; Telephone-call indicator; Time-indicator; Universal indicator; Vehicle-indicator; Water-level indicator; Winding-indicator; Wreck-indicator.
- Indicator. J. Cuniff. No. 877,298; Jan. 21; Sp. p. 3327; Dr. p. 721; Gaz. vol. 132; p. 608.
- Indicator. H. F. Larava. No. 882,897; Mar. 24; Sp. p. 4789; Dr. p. 1019; Gaz. vol. 133; p. 881.
- Indicator. D. Levy. No. 889,853; June 2; Sp. p. 1287; Dr. p. 296; Gaz. vol. 134; p. 1269.
- Indicator. W. O. Haymond and J. O. Potter. No. 898,643; Sept. 15; Sp. p. 2835; Dr. p. 605; Gaz. vol. 136; p. 516.
- Indicator. N. C. Forbus. No. 899,965; Sept. 29; Sp. p. 5436; Dr. p. 1159; Gaz. vol. 136; p. 1009.
- Indicator. G. Brown. No. 902,554; Nov. 3; Sp. p. 40; Gaz. vol. 137; p. 7.
- Indicator. E. J. Burke. No. 906,100; Dec. 8; Sp. p. 1938; Gaz. vol. 137; p. 1331.
- Indicator. H. M. Bell. No. 906,679; Dec. 15; Sp. p. 3016; Gaz. vol. 137; p. 1543.
- Indicator and alarm, Combined. J. A. Noel. No. 883,902; Apr. 7; Sp. p. 468; Dr. pp. 92-3; Gaz. vol. 133; p. 1267.
- Indicator-buttons, Making. H. Mueller. No. 879,788; Feb. 18; Sp. p. 3890; Dr. p. 816; Gaz. vol. 132; p. 1541.
- Indicator-connecting coupling, Automatic. J. A. Devine. No. 903,814; Nov. 10; Sp. p. 2564; Gaz. vol. 137; p. 448.
- Indicator-lock. E. F. Wells. No. 883,991; Apr. 7; Sp. p. 656; Dr. pp. 132-3; Gaz. vol. 133; p. 1296.
- Indigo, Making monobromo. G. Engi. No. 888,230; May 19; Sp. p. 3801; Gaz. vol. 134; p. 680.
- Indophenol-like condensation products, Making. W. Schlenk. No. 895,689; Aug. 11; Sp. p. 1827; Gaz. vol. 135; p. 1220.
- Indoxyl, &c., Making. A. Bischler. No. 894,579; July 28; Sp. p. 4591; Gaz. vol. 135; p. 803.
- Indoxyl compounds, Producing. H. Labhardt. No. 891,708; June 23; Sp. p. 5136; Gaz. vol. 134; p. 1970.
- Induction-coil. R. Varley. No. 878,435; Feb. 4; Sp. p. 1081; Dr. p. 220; Gaz. vol. 132; p. 1026.
- Induction-coil. M. S. Brigham. No. 882,048; Mar. 17; Sp. p. 3150; Dr. p. 609; Gaz. vol. 133; p. 572.
- Induction-coil. J. O. Heinze, Jr. No. 882,198; Mar. 17; Sp. p. 3429; Dr. p. 729; Gaz. vol. 133; p. 620.
- Induction-coil. D. H. Yost. No. 891,320; June 23; Sp. p. 4325; Dr. p. 944; Gaz. vol. 134; p. 1841.
- Induction-coil. A. R. Bliss. No. 894,479; July 28; Sp. p. 4396; Dr. p. 907; Gaz. vol. 135; p. 770.
- Induction-coil system. I. C. Orswell. No. 878,467; Feb. 4; Sp. p. 1145; Dr. p. 235; Gaz. vol. 132; p. 1037.
- Induction-coil unit. C. A. Pfantstiel. No. 892,763; July 7; Sp. p. 723; Dr. p. 153; Gaz. vol. 135; p. 125.
- Induction-motor. B. A. Behrend. No. 885,009; Apr. 21; Sp. p. 2734; Dr. p. 580; Gaz. vol. 133; p. 1688.
- Inflating-mechanism indicating and controlling apparatus. C. D. A. Pasteur. No. 883,228; Mar. 31; Sp. p. 5461; Dr. pp. 1163-4; Gaz. vol. 133; p. 1022.
- Influence or condenser machine, Electrical multiple. H. Wommelsdorf. No. 883,846; Apr. 7; Sp. p. 356; Dr. p. 69; Gaz. vol. 133; p. 1247.
- Influence or static induction and condenser machines, Disk for. A. Wehrsen. No. 901,666; Oct. 20; Sp. p. 3336; Dr. p. 685; Gaz. vol. 136; p. 1656.
- Ingot-compressing apparatus. J. Illingworth. No. 881,927; Mar. 17; Sp. p. 2887; Dr. pp. 615-16; Gaz. vol. 133; p. 534.
- Ingot-compressing apparatus. J. Illingworth. No. 881,928; Mar. 17; Sp. p. 2889; Dr. p. 616; Gaz. vol. 133; p. 534.
- Ingot-extractor. H. Aiken. No. 906,939; Dec. 8; Sp. p. 2436; Gaz. vol. 137; p. 1418.
- Ingot-manipulator. D. L. Mekeel. No. 899,832; Sept. 29; Sp. p. 5145; Dr. p. 1101; Gaz. vol. 136; p. 966.
- Ingot-mold. H. M. Gray. No. 902,872; Nov. 3; Sp. p. 693; Gaz. vol. 137; p. 115.
- Ingot-stripper. R. S. Kirk. No. 888,094; May 19; Sp. p. 3553; Dr. pp. 742-4; Gaz. vol. 134; p. 636.
- Ingot-stripper. R. S. Kirk. No. 888,095; May 19; Sp. p. 3555; Dr. pp. 744-5; Gaz. vol. 134; p. 637.
- Ingot-stripper. H. Aiken. No. 905,827; Dec. 8; Sp. p. 1419; Gaz. vol. 137; p. 1245.
- Ingots, Forming. J. T. Jones. No. 890,235; June 9; Sp. p. 2091; Dr. p. 458; Gaz. vol. 134; p. 1423.
- Ingots free from blow-holes, Producing. W. F. M. McCarty. No. 898,770; Sept. 15; Sp. p. 3064; Dr. pp. 656-7; Gaz. vol. 136; p. 557.
- Ingots, Making. F. Cutter. No. 899,827; Sept. 29; Sp. p. 5140; Dr. p. 1100; Gaz. vol. 136; p. 964.
- Ingots, Manufacture of compound. W. H. Connell. No. 885,839; Apr. 28; Sp. p. 4470; Dr. p. 939; Gaz. vol. 133; p. 1986.
- Ingots, Manufacture of compound. W. H. Connell. No. 890,337; June 9; Sp. p. 2321; Dr. p. 512; Gaz. vol. 134; p. 1456.
- Ingots, plates, sheets, tubes, wires, and like products, Making bimetallic. J. F. Monnot. No. 897,842; Sept. 1; Sp. p. 1222; Dr. p. 261; Gaz. vol. 136; p. 194.
- Inhaler. A. F. Meisselbach. No. 878,223; Feb. 4; Sp. p. 677; Dr. p. 139; Gaz. vol. 132; p. 956.
- Inhaler. F. I. Clark. No. 888,809; May 26; Sp. p. 5129; Dr. p. 1093; Gaz. vol. 134; p. 920.
- Inhaler. G. Ermoold. No. 892,717; July 7; Sp. p. 638; Dr. p. 135; Gaz. vol. 135; p. 111.
- Inhaler. E. F. Philbrook. No. 902,832; Nov. 3; Sp. p. 600; Gaz. vol. 137; p. 101.
- Inhaler. W. L. Knapp. No. 906,435; Dec. 8; Sp. p. 2570; Gaz. vol. 137; p. 1441.
- Injector. J. M. Gailey. No. 880,934; Mar. 3; Sp. p. 998; Dr. pp. 213-14; Gaz. vol. 133; p. 169.
- Injector. L. E. Hogue. No. 881,124; Mar. 10; Sp. p. 1259; Dr. p. 272; Gaz. vol. 133; p. 244.
- Injector. W. H. Stirling. No. 884,625; Apr. 14; Sp. p. 1932; Dr. p. 415; Gaz. vol. 133; p. 1531.
- Injector. W. R. Park. No. 886,849; May 5; Sp. p. 1038; Dr. p. 218; Gaz. vol. 134; p. 170.
- Injector. J. C. and R. D. Metcalfe. No. 905,206; Dec. 1; Sp. p. 170; Gaz. vol. 137; p. 1011.
- Injector. S. L. Kneass. No. 906,723; Dec. 15; Sp. p. 3105; Gaz. vol. 137; p. 1559.
- Injector. Air. E. Werwath. No. 903,646; Nov. 10; Sp. p. 2232; Gaz. vol. 137; p. 395.
- Injector, Automatic. L. Buehler. No. 885,224; Apr. 21; Sp. p. 3216; Dr. p. 671; Gaz. vol. 133; p. 1759.
- Ink, Composition of matter for the removal of. B. R. Thomas. No. 878,689; Feb. 11; Sp. p. 1694; Gaz. vol. 132; p. 1145.
- Ink, Composition of matter for the removal of. A. R. Mayer. No. 878,817; Feb. 11; Sp. p. 1947; Gaz. vol. 132; p. 1186.
- Ink-fountain. C. R. Taylor. No. 877,679; Jan. 28; Sp. p. 4092; Dr. p. 886; Gaz. vol. 132; p. 752.
- Ink-fountain. N. Wagner. No. 901,760; Oct. 20; Sp. p. 3566; Dr. p. 722; Gaz. vol. 136; p. 1690.
- Ink, Printing. M. E. McMaster. No. 877,219; Jan. 21; Sp. p. 3179; Gaz. vol. 132; p. 583.
- Ink-well. W. W. Owens. No. 876,726; Jan. 14; Sp. p. 2129; Dr. p. 468; Gaz. vol. 132; p. 378.
- Ink-well. S. Wagner. No. 876,751; Jan. 14; Sp. p. 2174; Dr. p. 477; Gaz. vol. 132; p. 385.
- Ink-well. A. Gailey. No. 878,372; Feb. 4; Sp. p. 966; Dr. p. 194; Gaz. vol. 132; p. 1006.
- Ink-well. J. D. Woods. No. 879,712; Feb. 18; Sp. p. 3752; Dr. p. 787; Gaz. vol. 132; p. 1516.
- Ink-well. A. E. Swan. No. 886,161; Apr. 28; Sp. p. 5128; Dr. p. 1078; Gaz. vol. 133; p. 2092.
- Ink-well. J. C. Pyers. No. 886,859; May 5; Sp. p. 1054; Dr. p. 221; Gaz. vol. 134; p. 173.
- Ink-well. J. Roth. No. 895,792; Aug. 11; Sp. p. 2046; Dr. p. 434; Gaz. vol. 135; p. 1253.
- Ink-well. J. Schulz. No. 903,012; Nov. 3; Sp. p. 971; Gaz. vol. 137; p. 160.
- Ink-well. J. I. Woodruff. No. 904,664; Nov. 24; Sp. p. 4374; Gaz. vol. 137; p. 795.
- Ink-well, mucilage-bottle, &c., Automatic-fount. J. B. Ramirez. No. 897,148; Aug. 25; Sp. p. 4790; Dr. p. 1020; Gaz. vol. 135; p. 1740.
- Ink-well, Self-closing. S. W. Emory. No. 891,826; June 30; Sp. p. 5394; Dr. p. 1166; Gaz. vol. 134; p. 2041.
- Ink-wells, Device for filling self-feeding. J. McCloskey. No. 887,215; May 12; Sp. p. 1717; Dr. p. 365; Gaz. vol. 134; p. 315.
- Inked ribbons, Threader and protector for. G. Perry. No. 880,913; Mar. 3; Sp. p. 873; Dr. p. 185; Gaz. vol. 133; p. 146.
- Inking device. C. von Philip. No. 885,287; Apr. 21; Sp. p. 3331; Dr. p. 696; Gaz. vol. 133; p. 1780.
- Inking-pad. D. T. O'Sullivan. No. 878,420; Feb. 4; Sp. p. 1057; Dr. p. 214; Gaz. vol. 132; p. 1022.
- Inking-pad receptacle. R. W. Roberts. No. 876,398; Jan. 14; Sp. p. 1431; Dr. p. 307; Gaz. vol. 132; p. 266.
- Inking-rollers, Machine for cleaning. C. Wagner. No. 892,782; July 7; Sp. p. 763; Dr. pp. 161-2; Gaz. vol. 135; p. 132.
- Inking-rollers, Making. J. H. Hennessey. No. 905,182; Dec. 1; Sp. p. 117; Gaz. vol. 137; p. 1002.
- Inkstand. E. J. Osgood. No. 876,225; Jan. 7; Sp. p. 1052; Dr. p. 227; Gaz. vol. 132; p. 177.
- Inkstand. W. I. Tisdale. No. 876,668; Jan. 14; Sp. p. 2028; Dr. p. 442; Gaz. vol. 132; p. 360.
- Inkstand. A. Wolz. No. 878,922; Feb. 11; Sp. p. 2141; Dr. p. 447; Gaz. vol. 132; p. 1219.
- Inkstand. J. W. Jacobus. No. 879,470; Feb. 18; Sp. p. 3245; Dr. p. 676; Gaz. vol. 132; p. 1437.
- Inkstand. F. A. Fricker. No. 879,624; Feb. 18; Sp. p. 3576; Dr. p. 749; Gaz. vol. 132; p. 1488.
- Inkstand. B. O. Roberts. No. 886,865; May 5; Sp. p. 1065; Dr. p. 224; Gaz. vol. 134; p. 175.
- Inkstand. O. M. Giersing and J. Heerfordt. No. 894,793; July 28; Sp. p. 4994; Dr. p. 1043; Gaz. vol. 135; p. 871.
- Inkstand. J. W. Jacobus. No. 895,464; Aug. 11; Sp. p. 1390; Dr. p. 292; Gaz. vol. 135; p. 1146.
- Inkstand. J. L. Otero. No. 903,308; Nov. 10; Sp. p. 1540; Gaz. vol. 137; p. 284.
- Inkstand. J. Przygoda. No. 907,643; Dec. 22; Sp. p. 4966; Gaz. vol. 137; p. 1894.
- Inkstand-cover. C. B. Lyle. No. 893,179; July 14; Sp. p. 1601; Dr. p. 340; Gaz. vol. 135; p. 291.
- Inseam-trimming machine. A. Bates. No. 877,036; Jan. 21; Sp. p. 2793; Dr. p. 603; Gaz. vol. 132; p. 521.
- Insect-catcher. C. W. Kronenberg and H. Stranzbach. No. 884,095; Apr. 7; Sp. p. 863; Dr. p. 181; Gaz. vol. 133; p. 1330.
- Insect-destroyer. J. S. Peck. No. 879,838; Feb. 18; Sp. p. 3999; Dr. p. 837; Gaz. vol. 132; p. 1558.
- Insect-destroyer. W. R. Craun. No. 882,142; Mar. 17; Sp. p. 3308; Dr. p. 705; Gaz. vol. 133; p. 603.
- Insect-destroyer. G. W. Darnell. No. 884,819; Apr. 7; Sp. p. 1304; Dr. p. 276; Gaz. vol. 133; p. 1401.

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- Insect-destroyer. J. J. Vickers. No. 892,781; July 7; Sp. p. 761; Dr. p. 161; Gaz. vol. 135; p. 131.
 Insect-destroyer. J. M. Murff. No. 898,909; Sept. 15; Sp. p. 3311; Dr. pp. 709-10; Gaz. vol. 136; p. 602.
 Insect-destroyer. E. F. Kauffman. No. 901,348; Oct. 20; Sp. p. 2655; Dr. p. 544; Gaz. vol. 136; p. 1551.
 Insect-destroying machine. J. Pell. No. 877,117; Jan. 21; Sp. p. 2942; Dr. pp. 636-7; Gaz. vol. 132; p. 547.
 Insect eggs and larvæ, Destroying. A. E. Nienstadt. No. 879,406; Feb. 18; Sp. p. 3111; Gaz. vol. 132; p. 1417.
 Insect-extermiator. W. L. Boyd. No. 881,370; Mar. 10; Sp. p. 1766; Dr. p. 381; Gaz. vol. 133; p. 324.
 Insect-extermiator. J. W. Jones. No. 885,483; Apr. 21; Sp. p. 3715; Dr. p. 781; Gaz. vol. 133; p. 1843.
 Insect-extermiator. G. T. Patten. No. 897,650; Sept. 1; Sp. p. 825; Dr. p. 173; Gaz. vol. 136; p. 132.
 Insect-extermiator. W. F. Nanney. No. 905,348; Dec. 1; Sp. p. 436; Gaz. vol. 137; p. 1057.
 Insect-killer. E. E. Reynolds. No. 894,697; July 28; Sp. p. 4825; Dr. p. 1002; Gaz. vol. 135; p. 842.
 Insect-trap. N. W. Mills. No. 884,403; Apr. 14; Sp. p. 1435; Dr. p. 318; Gaz. vol. 133; p. 1459.
 Insect-trap. T. A. Duggan. No. 898,852; Sept. 15; Sp. p. 3211; Dr. p. 688; Gaz. vol. 136; p. 584.
 Insects and other vermin, Means for exterminating. G. A. H. Muller. No. 897,919; Sept. 8; Sp. p. 1401; Dr. p. 298; Gaz. vol. 136; p. 253.
 Insects and other vermin, Means for exterminating. G. A. H. Muller. No. 897,988; Sept. 8; Sp. p. 1552; Dr. p. 329; Gaz. vol. 136; p. 275.
 Insects, Electrical appliance for protection against. A. L. M. Chaulin. No. 881,055; Mar. 3; Sp. p. 1121; Dr. p. 242; Gaz. vol. 133; p. 191.
 Insecticide. H. C. Taylor. No. 882,724; Mar. 24; Sp. p. 4438; Gaz. vol. 133; p. 826.
 Insecticide. M. Bean. No. 886,340; May 5; Sp. p. 10; Gaz. vol. 134; p. 4.
 Insecticide. L. F. Fride. No. 890,636; June 16; Sp. p. 2933; Gaz. vol. 134; p. 1586.
 Insecticide. H. S. Delamere. No. 897,197; Aug. 25; Sp. p. 4869; Gaz. vol. 135; p. 1754.
 Insecticide. H. Terrisse. No. 901,268; Oct. 13; Sp. p. 2466; Gaz. vol. 136; p. 1489.
 Insecticide. C. W. Hicks. No. 907,498; Dec. 22; Sp. p. 4645; Gaz. vol. 137; p. 1848.
 Insecticide and preparation thereof. C. Ellis. No. 901,793; Oct. 20; Sp. p. 3637; Gaz. vol. 136; p. 1700.
 Insectifuge. C. Ellis. No. 901,083; Oct. 13; Sp. p. 2128; Gaz. vol. 136; p. 1430.
 Insole. N. C. Bohr. No. 878,453; Feb. 4; Sp. p. 1118; Dr. p. 229; Gaz. vol. 132; p. 1032.
 Insole. G. E. Mann. No. 884,985; Apr. 14; Sp. p. 2684; Dr. p. 571; Gaz. vol. 133; p. 1647.
 Insole. J. von Bracht. No. 895,950; Aug. 11; Sp. p. 2347; Dr. p. 503; Gaz. vol. 135; p. 1303.
 Insole covering and shaping machine, Reinforced. W. C. Stewart. No. 883,837; Apr. 7; Sp. p. 333; Dr. pp. 63-5; Gaz. vol. 133; p. 1245.
 Insole, Electric. R. A. Stevenson and J. T. Story. No. 881,087; Mar. 3; Sp. p. 1187; Dr. p. 257; Gaz. vol. 133; p. 202.
 Insole, Electric. W. H. Burns. No. 892,360; June 30; Sp. p. 6417; Dr. p. 1385; Gaz. vol. 134; p. 2215.
 Insole for boots and shoes. J. Askins. No. 881,840; Mar. 10; Sp. p. 2676; Dr. p. 573; Gaz. vol. 133; p. 475.
 Insole, Pneumatic-cushion. W. L. Gordon. No. 901,236; Oct. 13; Sp. p. 2397; Dr. p. 491; Gaz. vol. 136; p. 1478.
 Insole, Spring-. W. Willet. No. 887,368; May 12; Sp. p. 2102; Dr. p. 441; Gaz. vol. 134; p. 368.
 Insoles, Filling. W. A. Zickerman. No. 896,677; Aug. 18; Sp. p. 3764; Dr. p. 513; Gaz. vol. 135; p. 1558.
 Inspirator. C. F. Starre. No. 894,758; July 28; Sp. p. 4928; Dr. p. 1026; Gaz. vol. 135; p. 860.
 Instep-arch support. W. M. Scholl. No. 880,245; Feb. 25; Sp. p. 4863; Dr. p. 1029; Gaz. vol. 132; p. 1725.
 Instep-arch support. W. M. Scholl. No. 896,859; Aug. 25; Sp. p. 4171; Dr. p. 893; Gaz. vol. 135; p. 1644.
 Instep-pad. M. Dorrity. No. 879,527; Feb. 18; Sp. p. 3350; Dr. p. 700; Gaz. vol. 132; p. 1456.
 Instep-protector. F. W. Jolitz. No. 881,079; Mar. 3; Sp. p. 1172; Dr. p. 253; Gaz. vol. 133; p. 200.
 Instep support or arch. J. Sandler. No. 888,936; May 26; Sp. p. 5279; Dr. p. 1120; Gaz. vol. 134; p. 944.
 Instep-support or arch-prop. L. T. J. Lubin. No. 892,066; June 30; Sp. p. 5854; Dr. p. 1260; Gaz. vol. 134; p. 2118.
 Instep-supporter. A. Toporez. No. 881,974; Mar. 17; Sp. p. 2978; Dr. p. 634; Gaz. vol. 133; p. 548.
 Instrument for comparing and measuring rays of light. C. G. Hinrichs. No. 894,499; July 28; Sp. p. 4434; Dr. p. 918; Gaz. vol. 135; p. 776.
 Instrument key, Combination-. H. E. French. No. 905,304; Dec. 1; Sp. p. 336; Gaz. vol. 137; p. 1042.
 Instruments, Accenting device for automatic players for. F. W. Draper. No. 876,442; Jan. 14; Sp. p. 1526; Dr. pp. 328-9; Gaz. vol. 132; p. 281.
 Insufflator. S. Hasbrouck. No. 881,238; Mar. 10; Sp. p. 1492; Dr. p. 321; Gaz. vol. 133; p. 281.
 Insulated canopy-collar. T. H. Bullock, Jr. No. 885,836; Apr. 28; Sp. p. 4466; Dr. p. 938; Gaz. vol. 133; p. 1986.
 Insulated conductor. J. I. Mitchell. No. 905,554; Dec. 1; Sp. p. 899; Gaz. vol. 137; p. 1127.
 Insulated container for liquid air, &c. J. F. Place. No. 883,479; Mar. 31; Sp. p. 5992; Dr. p. 1278; Gaz. vol. 133; p. 1104.
 Insulated coupling for electric conductors. J. J. Dessert. No. 892,411; July 7; Sp. p. 383; Dr. p. 11; Gaz. vol. 135; p. 10.
 Insulated gage-plate. E. J. Clark. No. 898,037; Sept. 8; Sp. p. 1655; Dr. p. 352; Gaz. vol. 136; p. 290.
 Insulated wires, Moisture-proof case for. A. L. Joynes. No. 900,382; Oct. 6; Sp. p. 655; Dr. p. 135; Gaz. vol. 136; p. 1175.
 Insulating and testing system, Cable. T. Cope. No. 882,141; Mar. 17; Sp. p. 3307; Dr. p. 705; Gaz. vol. 133; p. 603.
 Insulating-bushing. L. Steinberger. No. 904,369; Nov. 17; Sp. p. 3756; Gaz. vol. 137; p. 668.
 Insulating compound. N. Booth. No. 884,456; Apr. 14; Sp. p. 1591; Gaz. vol. 133; p. 1477.
 Insulating compound, Solid. J. W. Frank. No. 895,738; Aug. 11; Sp. p. 1931; Gaz. vol. 135; p. 1236.
 Insulating-coupling. H. Ashbaugh. No. 897,700; Sept. 1; Sp. p. 932; Dr. p. 197; Gaz. vol. 136; p. 149.
 Insulating-covering for pipes. A. Reimann. No. 903,316; Nov. 10; Sp. p. 1553; Gaz. vol. 137; p. 287.
 Insulating-covering from electric-circuit wires, Implement for removing. J. H. Goehst. No. 880,790; Mar. 3; Sp. p. 607; Dr. p. 129; Gaz. vol. 133; p. 105.
 Insulating electric conductors. J. T. H. Dempster. No. 894,613; July 28; Sp. p. 4664; Gaz. vol. 135; p. 814.
 Insulating-machines, Head for. V. Royle. No. 893,939; July 21; Sp. p. 3247; Dr. p. 668; Gaz. vol. 135; p. 570.
 Insulating material. W. H. Everette. No. 901,332; Oct. 20; Sp. p. 2613; Gaz. vol. 136; p. 1545.
 Insulating material. G. H. Ruple. No. 904,808; Nov. 24; Sp. p. 4693; Gaz. vol. 137; p. 843.
 Insulating materials, Manufacture of. H. v. d. Heide. No. 903,287; Nov. 10; Sp. p. 1505; Gaz. vol. 137; p. 278.
 Insulating the supports of electric conduits, Means for. C. E. Egnér. No. 875,902; Jan. 7; Sp. p. 428; Dr. p. 94; Gaz. vol. 132; p. 78.
 Insulating-wall. G. Walzel. No. 896,780; Aug. 25; Sp. p. 3993; Dr. p. 858; Gaz. vol. 135; p. 1617.
 Insulation from cables, Cutting-nippers for removing. H. S. Bork. No. 893,132; July 14; Sp. p. 1511; Dr. p. 318; Gaz. vol. 135; p. 277.
 Insulation to electrical conductors, Apparatus for applying. L. W. Downes. No. 878,617; Feb. 11; Sp. p. 1568; Dr. pp. 319-20; Gaz. vol. 132; p. 1122.
 Insulation, Transformer-coil. J. E. Mateer. No. 885,771; Apr. 28; Sp. p. 4326; Dr. p. 907; Gaz. vol. 133; p. 1963.
 Insulator. R. C. McNutt. No. 876,828; Jan. 14; Sp. p. 2313; Dr. p. 508; Gaz. vol. 132; p. 409.
 Insulator. H. W. Buck. No. 876,939; Jan. 21; Sp. p. 2573; Dr. p. 561; Gaz. vol. 132; p. 486.
 Insulator. H. R. Markel. No. 878,302; Feb. 4; Sp. p. 839; Dr. p. 167; Gaz. vol. 132; p. 983.
 Insulator. J. D. E. Duncan. No. 880,203; Feb. 25; Sp. p. 4775; Dr. pp. 1010-11; Gaz. vol. 132; p. 1710.
 Insulator. G. W. Carter. No. 880,971; Mar. 3; Sp. p. 974; Dr. p. 210; Gaz. vol. 133; p. 164.
 Insulator. L. W. Storror. No. 882,803; Mar. 24; Sp. p. 4596; Dr. p. 979; Gaz. vol. 133; p. 852.
 Insulator. E. F. Padden. No. 883,227; Mar. 31; Sp. p. 5460; Dr. p. 1163; Gaz. vol. 133; p. 1021.
 Insulator. W. T. Goddard and J. S. Lapp. No. 883,397; Mar. 31; Sp. p. 5818; Dr. p. 1240; Gaz. vol. 133; p. 1076.
 Insulator. E. J. Foreman. No. 884,142; Apr. 7; Sp. p. 1002; Dr. p. 209; Gaz. vol. 133; p. 1346.
 Insulator. J. W. Rehling. No. 887,520; May 12; Sp. p. 2438; Dr. p. 514; Gaz. vol. 134; p. 419.
 Insulator. H. Trumbull. No. 887,877; May 19; Sp. p. 3145; Dr. p. 661; Gaz. vol. 134; p. 566.
 Insulator. H. Friend. No. 888,154; May 19; Sp. p. 3663; Dr. p. 766; Gaz. vol. 134; p. 654.
 Insulator. C. C. Johnson. No. 888,616; May 26; Sp. p. 4600; Dr. p. 976; Gaz. vol. 134; p. 840.
 Insulator. M. H. Strong. No. 889,884; June 2; Sp. p. 1351; Dr. p. 308; Gaz. vol. 134; p. 1280.
 Insulator. J. P. Nikonow. No. 889,956; June 9; Sp. p. 1513; Dr. p. 342; Gaz. vol. 134; p. 1328.
 Insulator. W. C. Sandlin. No. 891,955; June 30; Sp. p. 5662; Dr. p. 1219; Gaz. vol. 134; p. 2085.
 Insulator. A. Richard. No. 893,265; July 14; Sp. p. 1774; Dr. p. 373; Gaz. vol. 135; p. 320.
 Insulator. T. E. Hallett. No. 894,201; July 28; Sp. p. 3817; Dr. p. 790; Gaz. vol. 135; p. 678.
 Insulator. J. P. Nikonow. No. 896,934; Aug. 25; Sp. p. 4348; Dr. p. 932; Gaz. vol. 135; p. 1669.
 Insulator. F. J. Siegwart. No. 897,669; Sept. 1; Sp. p. 871; Dr. p. 186; Gaz. vol. 136; p. 139.
 Insulator. T. F. Purves and J. Sinnott. No. 898,921; Sept. 15; Sp. p. 3335; Dr. p. 715; Gaz. vol. 136; p. 606.
 Insulator. G. Dobson. No. 900,917; Oct. 13; Sp. p. 1804; Dr. p. 365; Gaz. vol. 136; p. 1377.
 Insulator. R. T. Langlan. No. 901,627; Oct. 20; Sp. p. 3263; Dr. p. 669; Gaz. vol. 136; p. 1644.
 Insulator. W. H. Kempton. No. 904,069; Nov. 17; Sp. p. 3111; Gaz. vol. 137; p. 565.
 Insulator. L. L. Bogue. No. 905,141; Dec. 1; Sp. p. 28; Gaz. vol. 137; p. 989.
 Insulator. C. Rosenberg and V. T. Bailey. No. 906,296; Dec. 8; Sp. p. 2322; Gaz. vol. 137; p. 1398.
 Insulator. G. B. Marshall. No. 907,834; Dec. 29; Sp. p. 5363; Gaz. vol. 137; p. 1989.
 Insulator. J. C. Gibson. No. 908,089; Dec. 29; Sp. p. 5892; Gaz. vol. 137; p. 2071.
 Insulator and lamp-hanger, Combined. J. M. Burge. No. 887,996; May 19; Sp. p. 3371; Dr. p. 708; Gaz. vol. 134; p. 606.
 Insulator and wire-clamp. J. L. Fay. No. 894,616; July 28; Sp. p. 4668; Dr. p. 969; Gaz. vol. 135; p. 814.
 Insulator-clip. A. R. Hall. No. 907,788; Dec. 29; Sp. p. 5284; Gaz. vol. 137; p. 1974.

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- Insulator, Disk strain- L. Steinberger. No. 904,370; Nov. 17; Sp. p. 3758; Gaz. vol. 137; p. 669.
 Insulator, Electric. C. R. Slusser. No. 881,967; Mar. 17; Sp. p. 2967; Dr. p. 632; Gaz. vol. 133; p. 547.
 Insulator, Electric. H. Mieth. No. 887,336; May 12; Sp. p. 2047; Dr. p. 428; Gaz. vol. 134; p. 358.
 Insulator, Electric-cable. E. M. Tompkins. No. 893,285; July 14; Sp. p. 1818; Dr. p. 382; Gaz. vol. 135; p. 327.
 Insulator, Electric-wire. J. H. Hampson. No. 878,949; Feb. 11; Sp. p. 2190; Dr. p. 459; Gaz. vol. 132; p. 1228.
 Insulator, Electrical. D. G. Bolton. No. 880,121; Feb. 25; Sp. p. 4605; Dr. p. 970; Gaz. vol. 132; p. 1683.
 Insulator, Electrical. H. F. Selinger. No. 892,626; July 7; Sp. p. 448; Dr. p. 97; Gaz. vol. 135; p. 81.
 Insulator, Feeder-wire. G. M. Finckel. No. 903,092; Nov. 10; Sp. p. 2322; Gaz. vol. 137; p. 407.
 Insulator for armature-conductors. A. R. Locke. No. 899,053; Sept. 22; Sp. p. 3584; Dr. p. 768; Gaz. vol. 136; p. 677.
 Insulator for electric wires. J. Caldwell. No. 879,033; Feb. 11; Sp. p. 2339; Dr. p. 489; Gaz. vol. 132; p. 1253.
 Insulator for heavy conductors. L. Steinberger. No. 877,804; Jan. 28; Sp. p. 4304; Dr. p. 934; Gaz. vol. 132; p. 791.
 Insulator for heavy currents. L. Steinberger. No. 885,678; Apr. 21; Sp. p. 4122; Dr. p. 863; Gaz. vol. 133; p. 1903.
 Insulator for high-tension conductors. S. H. Summerscales. No. 880,418; Feb. 25; Sp. p. 5211; Dr. pp. 1098-9; Gaz. vol. 132; p. 1782.
 Insulator for high-tension currents. L. Steinberger. No. 879,068; Feb. 11; Sp. p. 2403; Dr. p. 503; Gaz. vol. 132; p. 1264.
 Insulator for high-tension lines. N. Rowe. No. 907,406; Dec. 22; Sp. p. 4445; Gaz. vol. 137; p. 1817.
 Insulator, Hanging. W. G. Clark. No. 884,641; Apr. 14; Sp. p. 2002; Dr. p. 428; Gaz. vol. 133; p. 1537.
 Insulator, Heat-. H. Mock. No. 903,878; Nov. 17; Sp. p. 2722; Gaz. vol. 137; p. 502.
 Insulator, High-potential. F. M. Locke. No. 878,646; Feb. 11; Sp. p. 1623; Dr. p. 331; Gaz. vol. 132; p. 1131.
 Insulator, High-tension. G. Semenza. No. 905,940; Dec. 8; Sp. p. 1634; Gaz. vol. 137; p. 1282.
 Insulator-pin. D. V. Snapp and C. W. Fraher. No. 877,242; Jan. 21; Sp. p. 3215; Dr. p. 697; Gaz. vol. 132; p. 591.
 Insulator-pin. W. Scharfhausen. No. 882,424; Mar. 17; Sp. p. 3837; Dr. p. 820; Gaz. vol. 133; p. 694.
 Insulator-pin. C. J. Dorff. No. 890,811; June 16; Sp. p. 3444; Dr. p. 755; Gaz. vol. 134; p. 1669.
 Insulator-pin. C. G. Ette. No. 906,003; Dec. 8; Sp. p. 1756; Gaz. vol. 137; p. 1301.
 Insulator-pin. C. G. Ette. No. 906,787; Dec. 15; Sp. p. 3229; Gaz. vol. 137; p. 1579.
 Insulator-pin, Metallic. C. G. Ette. No. 905,414; Dec. 1; Sp. p. 569; Gaz. vol. 137; p. 1081.
 Insulator-protector. R. R. Sparks. No. 902,262; Oct. 27; Sp. p. 4575; Dr. p. 929; Gaz. vol. 136; p. 1880.
 Insulator, Strain-. W. C. Terry. No. 882,979; Mar. 24; Sp. p. 4950; Dr. p. 1053; Gaz. vol. 133; p. 910.
 Insulator-support. W. N. Smith. No. 878,679; Feb. 11; Sp. p. 1677; Dr. p. 346; Gaz. vol. 132; p. 1142.
 Insulator-support. T. J. Craghead. No. 878,870; Feb. 11; Sp. p. 2047; Dr. p. 423; Gaz. vol. 132; p. 1204.
 Insulator-support. C. L. Peirce, Jr. No. 883,823; Apr. 7; Sp. p. 299; Dr. p. 56; Gaz. vol. 133; p. 1240.
 Insulator, Third-rail. L. H. Delloye. No. 888,318; May 19; Sp. p. 3964; Dr. p. 835; Gaz. vol. 134; p. 708.
 Insulator, Third-rail. L. M. Randolph. No. 908,136; Dec. 29; Sp. p. 5996; Gaz. vol. 137; p. 2087.
 Insulators, Clip for fixing conducting-wires to. J. Macek. No. 877,101; Jan. 21; Sp. p. 2913; Dr. p. 630; Gaz. vol. 132; p. 541.
 Insulators, Manufacture of spar. F. M. Locke. No. 907,155; Dec. 22; Sp. p. 3937; Gaz. vol. 137; p. 1732.
 Insulators, Means for attaching line-wires to. C. J. Elliott. No. 887,930; May 19; Sp. p. 3239; Dr. p. 681; Gaz. vol. 134; p. 584.
 Insulators, &c., Means for tying wires to. L. W. Gerdon. No. 878,520; Feb. 11; Sp. p. 1338; Dr. p. 271; Gaz. vol. 132; p. 1088.
 Insulators, Press-mold for making. H. Wagner. No. 880,343; Feb. 25; Sp. p. 5047; Dr. p. 1066; Gaz. vol. 132; p. 1756.
 Insulators, Transposition-bracket for. J. E. Skinner. No. 902,455; Oct. 27; Sp. p. 5007; Dr. p. 1012; Gaz. vol. 136; p. 1944.
 Insulators, Wire-fastener for. F. M. Locke. No. 887,107; May 12; Sp. p. 1538; Dr. p. 325; Gaz. vol. 134; p. 282.
 Insulators, Wire tie for. W. E. Callane. No. 882,095; Mar. 17; Sp. p. 3234; Dr. p. 688; Gaz. vol. 133; p. 588.
 Intercooler. F. D. Holdsworth. No. 898,363; Sept. 8; Sp. p. 2261; Dr. p. 481; Gaz. vol. 136; p. 392.
 Intermittently-driven mechanism adapted for constant driving. H. H. Taylor. No. 904,462; Nov. 17; Sp. p. 3946; Gaz. vol. 137; p. 700.
 Internal-combustion and other fluid-pressure engines. D. Roberts and C. James. No. 889,044; May 26; Sp. p. 5470; Dr. pp. 1163-4; Gaz. vol. 134; p. 973.
 Internal-combustion engine. E. Stuke. No. 875,865; Jan. 7; Sp. p. 348; Dr. p. 78; Gaz. vol. 132; p. 65.
 Internal-combustion engine. P. C. Lawless. No. 876,003; Jan. 7; Sp. p. 613; Dr. p. 131; Gaz. vol. 132; p. 107.
 Internal-combustion engine. H. A. Miller and F. M. Adamson. No. 876,472; Jan. 14; Sp. p. 1588; Dr. p. 341; Gaz. vol. 132; p. 291.
 Internal-combustion engine. F. C. Gordon. No. 876,870; Jan. 14; Sp. p. 2398; Dr. pp. 522-3; Gaz. vol. 132; p. 423.
 Internal-combustion engine. P. F. Schryer and D. C. Stover. No. 877,378; Jan. 21; Sp. p. 3474; Dr. p. 754; Gaz. vol. 132; p. 633.
 Internal-combustion engine. A. H. Goldingham. No. 877,500; Jan. 28; Sp. p. 3724; Dr. p. 806; Gaz. vol. 132; p. 694.
 Internal-combustion engine. H. W. Adams. No. 877,818; Jan. 28; Sp. p. 4326; Dr. p. 940; Gaz. vol. 132; p. 795.
 Internal-combustion engine. P. Daniel. No. 877,834; Jan. 28; Sp. p. 4367; Dr. p. 949; Gaz. vol. 132; p. 801.
 Internal-combustion engine. R. S. Thompson. No. 878,578; Feb. 11; Sp. p. 1480; Dr. pp. 300-1; Gaz. vol. 132; p. 1109.
 Internal-combustion engine. C. I. Longenecker. No. 878,647; Feb. 11; Sp. p. 1625; Dr. pp. 331-2; Gaz. vol. 132; p. 1132.
 Internal-combustion engine. F. P. Carrier. No. 878,936; Feb. 11; Sp. p. 2174; Dr. p. 454; Gaz. vol. 132; p. 1224.
 Internal-combustion engine. J. Braunwalder. No. 879,512; Feb. 18; Sp. p. 3328; Dr. p. 695; Gaz. vol. 132; p. 1452.
 Internal-combustion engine. H. G. Underwood. No. 879,989; Feb. 25; Sp. p. 4340; Dr. p. 910; Gaz. vol. 132; p. 1640.
 Internal-combustion engine. T. Veitch. No. 882,221; Mar. 17; Sp. p. 3467; Dr. p. 738; Gaz. vol. 133; p. 627.
 Internal-combustion engine. A. G. Melhuish. No. 882,401; Mar. 17; Sp. p. 3813; Dr. pp. 812-13; Gaz. vol. 133; p. 686.
 Internal-combustion engine. L. G. Sabathé. No. 883,240; Mar. 31; Sp. p. 5483; Dr. p. 1169; Gaz. vol. 133; p. 1025.
 Internal-combustion engine. F. F. Miller. No. 884,402; Apr. 14; Sp. p. 1483; Dr. p. 318; Gaz. vol. 133; p. 1459.
 Internal-combustion engine. C. R. Radcliffe. No. 884,853; Apr. 14; Sp. p. 2444; Dr. pp. 513-14; Gaz. vol. 133; p. 1608.
 Internal-combustion engine. W. H. Frost. No. 885,598; Apr. 21; Sp. p. 3955; Dr. p. 825; Gaz. vol. 133; p. 1876.
 Internal-combustion engine. C. J. Mundhenk. No. 886,235; Apr. 28; Sp. p. 5254; Dr. p. 1107; Gaz. vol. 133; p. 2116.
 Internal-combustion engine. J. B. Knickerbocker. No. 886,519; May 5; Sp. p. 348; Dr. p. 72; Gaz. vol. 134; p. 616.
 Internal-combustion engine. J. Sulzer. No. 886,662; May 5; Sp. p. 639; Dr. p. 132; Gaz. vol. 134; p. 110.
 Internal-combustion engine. H. A. and J. C. Prescott. No. 887,345; May 12; Sp. p. 2261; Dr. p. 432; Gaz. vol. 134; p. 361.
 Internal-combustion engine. W. J. McVicker. No. 887,502; May 12; Sp. p. 2400; Dr. pp. 505-6; Gaz. vol. 134; p. 412.
 Internal-combustion engine. S. H., F. H., and W. G. Heginbottom. No. 887,633; May 12; Sp. p. 2643; Dr. p. 557; Gaz. vol. 134; p. 455.
 Internal-combustion engine. J. H. Pierce. No. 891,366; June 23; Sp. p. 4425; Dr. p. 903; Gaz. vol. 134; p. 1856.
 Internal-combustion engine. H. H. Benson. No. 891,394; June 23; Sp. p. 4487; Dr. pp. 976-7; Gaz. vol. 134; p. 1867.
 Internal-combustion engine. M. Bliden and J. H. Davies. No. 891,901; June 30; Sp. p. 5532; Dr. p. 1194; Gaz. vol. 134; p. 2066.
 Internal-combustion engine. J. H. Cogswell. No. 892,501; July 7; Sp. p. 222; Dr. pp. 46-7; Gaz. vol. 135; p. 41.
 Internal-combustion engine. A. Sletten. No. 893,026; July 14; Sp. p. 1298; Dr. p. 273; Gaz. vol. 135; p. 242.
 Internal-combustion engine. F. J. Crouch and C. P. Church. No. 893,058; July 14; Sp. p. 1367; Dr. p. 288; Gaz. vol. 135; p. 253.
 Internal-combustion engine. J. A. Torrens. No. 893,400; July 14; Sp. p. 2023; Dr. p. 424; Gaz. vol. 135; p. 364.
 Internal-combustion engine. S. I. S. Ringi. No. 893,656; July 21; Sp. p. 2602; Dr. pp. 542-3; Gaz. vol. 135; p. 477.
 Internal-combustion engine. J. C. Peaché. No. 894,978; Aug. 4; Sp. p. 410; Dr. p. 83; Gaz. vol. 135; p. 960.
 Internal-combustion engine. O. Kelly. No. 895,184; Aug. 4; Sp. p. 814; Dr. p. 170; Gaz. vol. 135; p. 1030.
 Internal-combustion engine. C. R. Radcliffe. No. 895,194; Aug. 4; Sp. p. 836; Dr. p. 176; Gaz. vol. 135; p. 1033.
 Internal-combustion engine. H. A. Johnston. No. 895,466; Aug. 11; Sp. p. 1395; Dr. p. 293; Gaz. vol. 135; p. 1147.
 Internal-combustion engine. C. O. Hedstrom. No. 895,754; Aug. 11; Sp. p. 1955; Dr. p. 413; Gaz. vol. 135; p. 1241.
 Internal-combustion engine. L. S. Watres. No. 896,183; Aug. 18; Sp. p. 2775; Dr. p. 598; Gaz. vol. 135; p. 1398.
 Internal-combustion engine. J. Tinlin. No. 896,485; Aug. 18; Sp. p. 3401; Dr. p. 732; Gaz. vol. 135; p. 1499.
 Internal-combustion engine. D. Clerke. No. 896,893; Aug. 25; Sp. p. 4236; Dr. pp. 906-7; Gaz. vol. 135; p. 1654.
 Internal-combustion engine. H. J. Leighton. No. 898,117; Sept. 8; Sp. p. 1811; Dr. p. 384; Gaz. vol. 136; p. 315.
 Internal-combustion engine. D. Roberts. No. 898,139; Sept. 8; Sp. p. 1853; Dr. pp. 395-6; Gaz. vol. 136; p. 322.
 Internal-combustion engine. N. Scott. No. 898,271; Sept. 8; Sp. p. 2094; Dr. pp. 445-6; Gaz. vol. 136; p. 363.
 Internal-combustion engine. C. E. Shadall. No. 899,136; Sept. 22; Sp. p. 3734; Dr. p. 800; Gaz. vol. 136; p. 704.
 Internal-combustion engine. W. Rabsilber. No. 899,186; Sept. 22; Sp. p. 3845; Dr. pp. 822-3; Gaz. vol. 136; p. 720.
 Internal-combustion engine. T. W. Hendry. No. 899,216; Sept. 22; Sp. p. 3901; Dr. p. 833; Gaz. vol. 136; p. 730.
 Internal-combustion engine. S. A. Reeve. No. 899,842; Sept. 29; Sp. p. 5168; Dr. pp. 1107-8; Gaz. vol. 136; p. 969.
 Internal-combustion engine. J. Clay. No. 901,278; Oct. 13; Sp. p. 2490; Dr. pp. 509-10; Gaz. vol. 136; p. 1491.
 Internal-combustion engine. H. N. Edens. No. 903,182; Nov. 10; Sp. p. 1297; Gaz. vol. 137; p. 242.
 Internal-combustion engine. W. Remington. No. 903,774; Nov. 10; Sp. p. 2471; Gaz. vol. 137; p. 433.
 Internal-combustion engine. D. Roberts. No. 904,086; Nov. 17; Sp. p. 3148; Gaz. vol. 137; p. 571.
 Internal-combustion engine. E. Rathbun. No. 904,562; Nov. 24; Sp. p. 4175; Gaz. vol. 137; p. 760.
 Internal-combustion engine. J. Hutchings. No. 904,961; Nov. 24; Sp. p. 5005; Gaz. vol. 137; p. 893.
 Internal-combustion engine. P. D. Johnston. No. 905,434; Dec. 1; Sp. p. 652; Gaz. vol. 137; p. 1088.
 Internal-combustion engine. A. J. Miller. No. 905,733; Dec. 1; Sp. p. 1231; Gaz. vol. 137; p. 1183.
 Internal-combustion engine. H. M. Neer. No. 905,911; Dec. 8; Sp. p. 1581; Gaz. vol. 137; p. 1272.
 Internal-combustion engine. J. S. Cottrell. No. 906,111; Dec. 8; Sp. p. 1969; Gaz. vol. 137; p. 1336.
 Internal-combustion engine. G. Westinghouse. No. 906,177; Dec. 8; Sp. p. 2086; Gaz. vol. 137; p. 1357.

Alphabetical list of inventions—Continued.

- Internal-combustion engine. H. Dock. No. 906,393; Dec. 8; Sp. p. 2485; Gaz. vol. 137; p. 1427.
 Internal-combustion engine. C. I. Longenecker. No. 908,112; Dec. 29; Sp. p. 5940; Gaz. vol. 137; p. 2079.
 Internal-combustion engine, Two-cycle. H. S. Hart. No. 890,643; June 16; Sp. p. 2943; Dr. pp. 644-5; Gaz. vol. 134; p. 1588.
 Internal-combustion engine, Rotating. E. L. Vervoort. No. 886,279; Apr. 28; Sp. p. 5338; Dr. p. 1123; Gaz. vol. 133; p. 2132.
 Internal-combustion motor. M. Berliet. No. 904,671; Nov. 24; Sp. p. 4391; Gaz. vol. 137; p. 797.
 Internal-combustion rotary engine. H. Lee. No. 904,974; Nov. 24; Sp. p. 5030; Gaz. vol. 137; p. 897.
 Internally-fired boiler. T. C. Mason. No. 902,893; Nov. 3; Sp. p. 739; Gaz. vol. 137; p. 122.
 Interrupter. A. R. Luschka. No. 886,141; Apr. 28; Sp. p. 5095; Dr. pp. 1069-70; Gaz. vol. 133; p. 2086.
 Interrupter. C. E. Pearson. No. 903,745; Nov. 10; Sp. p. 2414; Gaz. vol. 137; p. 424.
 Intestine-cleaning machine. F. Glas. No. 876,344; Jan. 14; Sp. p. 1307; Dr. p. 282; Gaz. vol. 132; p. 248.
 Intrenching-tool. G. F. Elliott. No. 881,782; Mar. 10; Sp. p. 2553; Dr. p. 548; Gaz. vol. 133; p. 456.
 Invalid appliance. G. H. Whaley. No. 885,307; Apr. 21; Sp. p. 3377; Dr. p. 706; Gaz. vol. 133; p. 1787.
 Invalid-support. F. D. Sickles. No. 885,388; Apr. 21; Sp. p. 3556; Dr. p. 744; Gaz. vol. 133; p. 1814.
 Invalid's table. L. P. Wentzell. No. 903,121; Nov. 3; Sp. p. 1173; Gaz. vol. 137; p. 191.
 Invalids, Device for raising. L. Poppert. No. 901,370; Oct. 20; Sp. p. 2700; Dr. p. 554; Gaz. vol. 136; p. 1559.
 Iodin products, Making. J. Hertkorn. No. 901,709; Oct. 20; Sp. p. 3470; Gaz. vol. 136; p. 1673.
 Iron: See Chair-iron; Curling-iron; Edge-setting iron; Flat-iron; Hay-rack arch-iron; Holdback-iron; Laundry-iron; Pressing-iron; Protected iron; Sad-iron; Seat-iron; Smelting iron; Soldering-iron; Waffle-iron.
 Iron and steel, Copper-clad. J. F. Monnot. No. 893,932; July 21; Sp. p. 3230; Gaz. vol. 135; p. 568.
 Iron and steel therefrom, Treating ferruginous ore for the manufacture of. M. Moore and T. J. Heskett. (Reissue.) No. 12,856; Sept. 22; Sp. p. 4425; Dr. p. 950; Gaz. vol. 136; p. 819.
 Iron and steel, Treating. W. F. M. McCarty. No. 901,362; Oct. 20; Sp. p. 2683; Dr. p. 550; Gaz. vol. 136; p. 1556.
 Iron and steel, Treating. W. F. M. McCarty. No. 901,546; Oct. 20; Sp. p. 3109; Dr. p. 635; Gaz. vol. 136; p. 1619.
 Iron and steel, Treating. W. F. M. McCarty. No. 901,547; Oct. 20; Sp. p. 3111; Dr. p. 635; Gaz. vol. 136; p. 1620.
 Iron and tin compounds from tin-plate scrap, Preparing merchantable. E. A. Sperry. No. 897,796; Sept. 1; Sp. p. 1115; Dr. pp. 239-40; Gaz. vol. 136; p. 179.
 Iron, Autogenous method of welding cast-. A. Beltzer and C. Delcampe. No. 907,718; Dec. 29; Sp. p. 5136; Gaz. vol. 137; p. 1950.
 Iron boiler, Cast-. A. B. Beck. No. 905,366; Dec. 1; Sp. p. 474; Gaz. vol. 137; p. 1063.
 Iron, Chafing-. V. Labadie. No. 908,282; Dec. 29; Sp. p. 6307; Gaz. vol. 137; p. 2137.
 Iron compounds, Preparing organic. J. L. Turner and C. E. Vanderkleed. No. 906,474; Dec. 8; Sp. p. 2632; Gaz. vol. 137; p. 1454.
 Iron, Device for cutting figured. J. Krüger. No. 897,984; Sept. 8; Sp. p. 1545; Dr. p. 328; Gaz. vol. 136; p. 273.
 Iron, Electrodeposition of. S. O. Cowper-Coles. No. 884,075; Apr. 7; Sp. p. 817; Gaz. vol. 133; p. 1324.
 Iron-foundry mixing-furnace. J. S. Kennedy and J. B. Nau. No. 895,029; Aug. 4; Sp. p. 518; Dr. p. 105; Gaz. vol. 135; p. 979.
 Iron-free variable inductance. G. F. Mansbridge. No. 893,340; July 14; Sp. p. 1913; Dr. p. 400; Gaz. vol. 135; p. 344.
 Iron from tin-plate scrap, Preparing merchantable. E. A. Sperry. No. 901,266; Oct. 13; Sp. p. 2460; Dr. p. 505; Gaz. vol. 136; p. 1488.
 Iron from tin-plate scrap, Preparing merchantable. E. A. Sperry. No. 906,321; Dec. 8; Sp. p. 2370; Gaz. vol. 137; p. 1406.
 Iron in the manufacture of steel, Purifying cast-. W. Muirhead. No. 894,779; July 28; Sp. p. 4959; Gaz. vol. 135; p. 866.
 Iron, Manufacturing. H. L. Hartenstein. No. 899,125; May 26; Sp. p. 5651; Dr. pp. 1196-7; Gaz. vol. 134; p. 1004.
 Iron or steel sheets, Manufacture of plated or coated. J. W. Paton. No. 904,444; Nov. 17; Sp. p. 3908; Gaz. vol. 137; p. 693.
 Iron or steel with each other and with other metals, Uniting. E. L. Davies and W. G. Clark. No. 885,668; Apr. 21; Sp. p. 4100; Gaz. vol. 133; p. 1899.
 Iron ores, Treating. J. T. Jones. No. 890,234; June 9; Sp. p. 2089; Dr. p. 458; Gaz. vol. 134; p. 1422.
 Iron preparation, Production of an organic soluble. W. Jagelki. No. 902,234; Oct. 27; Sp. p. 4525; Gaz. vol. 136; p. 1870.
 Iron, Protecting. J. J. Bradley. No. 900,656; Oct. 6; Sp. p. 1256; Dr. pp. 256-7; Gaz. vol. 136; p. 1265.
 Iron, Purifying. E. von Maltitz. No. 879,480; Feb. 18; Sp. p. 3260; Dr. p. 679; Gaz. vol. 132; p. 1440.
 Iron, Refining. S. B. Sheldon. No. 898,513; Sept. 15; Sp. p. 2569; Gaz. vol. 136; p. 474.
 Iron, steel, &c., Rust-proofing. A. Bontempi. No. 881,221; Mar. 10; Sp. p. 1453; Dr. p. 313; Gaz. vol. 133; p. 275.
 Iron, Thill-. F. A. Strodel. No. 905,113; Nov. 24; Sp. p. 5303; Gaz. vol. 137; p. 944.
 Iron, Treating. P. Wilks. No. 886,668; May 5; Sp. p. 655; Gaz. vol. 134; p. 112.
 Iron, Utilizing the metalloids in crude iron for reducing metallic. H. D. Hibbard. No. 885,248; Apr. 21; Sp. p. 3260; Dr. p. 680; Gaz. vol. 133; p. 1767.
 Ironing-board. C. A. Olsen. No. 875,840; Jan. 7; Sp. p. 306; Dr. p. 67; Gaz. vol. 132; p. 56.
 Ironing-board. F. M. Bugbee. No. 876,857; Jan. 14; Sp. p. 2363; Dr. p. 517; Gaz. vol. 132; p. 418.
 Ironing-board. L. Edgington. No. 879,040; Feb. 11; Sp. p. 2351; Dr. p. 492; Gaz. vol. 132; p. 1256.
 Ironing-board. S. E. Shurtz. No. 881,727; Mar. 10; Sp. p. 2458; Dr. p. 529; Gaz. vol. 133; p. 438.
 Ironing-board. G. A. Brinn. No. 882,093; Mar. 17; Sp. p. 3232; Dr. p. 687; Gaz. vol. 133; p. 588.
 Ironing-board. E. L. Ridgway. No. 883,830; Apr. 7; Sp. p. 322; Dr. p. 60; Gaz. vol. 133; p. 1243.
 Ironing-board. F. R. Fiebeck. No. 886,361; May 5; Sp. p. 40; Dr. p. 8; Gaz. vol. 134; p. 10.
 Ironing-board. T. A. Davis. No. 889,767; June 2; Sp. p. 1127; Dr. p. 261; Gaz. vol. 134; p. 1241.
 Ironing-board. N. Perry. No. 890,448; June 9; Sp. p. 2517; Dr. p. 557; Gaz. vol. 134; p. 1491.
 Ironing-board. B. T. Ward. No. 898,707; Sept. 15; Sp. p. 2949; Dr. p. 632; Gaz. vol. 136; p. 536.
 Ironing-board. M. B. Wonsnos and J. P. Schonboe. No. 899,091; Sept. 22; Sp. p. 3640; Dr. p. 780; Gaz. vol. 136; p. 688.
 Ironing-board. H. W. Vance. No. 904,736; Nov. 24; Sp. p. 4527; Gaz. vol. 137; p. 818.
 Ironing-board. H. S. Carrier. No. 906,382; Dec. 8; Sp. p. 2471; Gaz. vol. 137; p. 1424.
 Ironing-board. G. W. and C. W. Bittle. No. 906,503; Dec. 15; Sp. p. 2692; Gaz. vol. 137; p. 1490.
 Ironing-board attachment. C. Burgess. No. 901,950; Oct. 27; Sp. p. 3935; Dr. p. 803; Gaz. vol. 136; p. 1780.
 Ironing-board cloth attachment. J. Michael. No. 899,675; Sept. 29; Sp. p. 4818; Dr. p. 1031; Gaz. vol. 136; p. 913.
 Ironing-board cover. E. Stone. No. 876,410; Jan. 14; Sp. p. 1450; Dr. pp. 311-12; Gaz. vol. 132; p. 269.
 Ironing-board, Folding. J. Kresge. No. 893,848; July 21; Sp. p. 3077; Dr. p. 629; Gaz. vol. 135; p. 542.
 Ironing-gloss. G. Reichert. No. 888,655; May 26; Sp. p. 4682; Gaz. vol. 134; p. 853.
 Ironing-machine. L. C. Lewis. No. 879,561; Feb. 18; Sp. p. 3430; Dr. p. 719; Gaz. vol. 132; p. 1467.
 Ironing-machine. J. S. Langworthy. No. 885,765; Apr. 28; Sp. p. 4318; Dr. pp. 905-6; Gaz. vol. 133; p. 1961.
 Ironing-machine. W. E. Andree. No. 886,028; Apr. 28; Sp. p. 4574; Dr. p. 1026; Gaz. vol. 133; p. 2050.
 Ironing-machine. A. S. Emerson. No. 891,611; June 23; Sp. p. 4914; Dr. p. 1060; Gaz. vol. 134; p. 1935.
 Ironing-machine. W. H. Olver. No. 902,676; Nov. 3; Sp. p. 278; Gaz. vol. 137; p. 48.
 Ironing-machine. F. Krapp. No. 902,823; Nov. 3; Sp. p. 573; Gaz. vol. 137; p. 98.
 Ironing-machine. A. M. Bell. No. 906,606; Dec. 15; Sp. p. 2879; Gaz. vol. 137; p. 1521.
 Ironing-machine for laundry-work. N. Garst. No. 884,811; Apr. 14; Sp. p. 2352; Dr. p. 495; Gaz. vol. 133; p. 1595.
 Ironing-machine, Shirt-. C. T. Gilmore. No. 884,266; July 28; Sp. p. 3963; Dr. pp. 816-17; Gaz. vol. 135; p. 699.
 Ironing-table. A. E. Wise. No. 900,459; Oct. 6; Sp. p. 836; Dr. p. 170; Gaz. vol. 136; p. 1201.
 Ironing-table. M. J. Walker. No. 900,623; Oct. 6; Sp. p. 1184; Dr. p. 242; Gaz. vol. 136; p. 1254.
 Ironwork, Clip for structural. C. E. Rhorer. No. 879,905; Feb. 25; Sp. p. 4190; Dr. p. 875; Gaz. vol. 132; p. 1613.
 Irrigating device. J. W. Bunker. No. 880,968; Mar. 3; Sp. p. 968; Dr. p. 209; Gaz. vol. 133; p. 164.
 Irrigating device. M. D. McFarlane. No. 898,984; Sept. 15; Sp. p. 3442; Dr. p. 738; Gaz. vol. 136; p. 626.
 Irrigating system. C. Bevell. No. 887,911; May 19; Sp. p. 3208; Dr. p. 675; Gaz. vol. 134; p. 578.
 Irrigating system. J. E. Bishop. No. 888,217; May 19; Sp. p. 3778; Dr. p. 792; Gaz. vol. 134; p. 676.
 Irrigation and sprinkler, System. T. K. Godbey. No. 890,044; June 9; Sp. p. 1712; Dr. p. 379; Gaz. vol. 134; p. 1360.
 Irrigation-gate box. R. H. Howard. No. 876,879; Jan. 14; Sp. p. 2418; Dr. pp. 527-8; Gaz. vol. 132; p. 426.
 Irrigator, Electrolytic. P. Del Gaudio. No. 878,361; Feb. 4; Sp. p. 952; Dr. p. 190; Gaz. vol. 132; p. 1003.
 Irrigator, Tree and plant. A. Cleveland. No. 903,452; Nov. 10; Sp. p. 1825; Gaz. vol. 137; p. 332.
 Isobornyl oxalates from camphene, Manufacture of. A. Bischler and A. Baselli. No. 876,310; Jan. 7; Sp. p. 1236; Gaz. vol. 132; p. 207.
 Jack: See Adjusting-jack; Automobile-jack; Bootjack; Draw-jack; Engine-starting jack; Floor-jack; Hop-jack; Hydraulic jack; Ladder-jack; Lever-jack; Lifting-jack; Logging-jack; Power-jack; Pumping-jack; Railway-tie lifting-jack; Screw-jack; Shoe-finishing jack; Sliding jack; Smoke-jack; Spoke-jack; Switchboard-jack; Vehicle-jack; Vehicle-raising jack; Wagon-jack; Wheel-jack; Window and porch jack.
 Jack. A. S. Dehler. No. 881,556; Mar. 10; Sp. p. 2112; Dr. p. 461; Gaz. vol. 133; p. 384.
 Jack. L. G. Maitland. No. 888,245; May 19; Sp. p. 3829; Dr. p. 804; Gaz. vol. 134; p. 685.
 Jack. B. C. Williams. No. 891,579; June 23; Sp. p. 4857; Dr. p. 1047; Gaz. vol. 134; p. 1925.
 Jack. A. Searls. No. 891,959; June 30; Sp. p. 5667; Dr. p. 1220; Gaz. vol. 134; p. 2085.
 Jack. A. Searls. No. 891,960; June 30; Sp. p. 5668; Dr. p. 1221; Gaz. vol. 134; p. 2086.
 Jack. W. F. McCulloch. No. 897,644; Sept. 1; Sp. p. 814; Dr. p. 171; Gaz. vol. 136; p. 130.
 Jack. F. E. Place and M. L. Jenkins. No. 900,585; Oct. 6; Sp. p. 1099; Dr. p. 225; Gaz. vol. 136; p. 1242.
 Jack means, Lifting-. J. W. Taft. No. 908,354; Dec. 29; Sp. p. 6465; Gaz. vol. 137; p. 2163.

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- Jacquard-machine. A. Ambrus. No. 908,191; Dec. 29; Sp. p. 6120; Gaz. vol. 137; p. 2107.
 Jacquard mechanism. M. A. Perrin. No. 900,948; Oct. 13; Sp. p. 1871; Dr. p. 381; Gaz. vol. 136; p. 1387.
 Jar: See Battery-jar; Fruit-jar; Preserving-jar; Slop-jar; Well-drilling jar.
 Jar. C. A. Stenius. No. 908,165; Dec. 29; Sp. p. 6057; Gaz. vol. 137; p. 2097.
 Jar and bottle closure. F. L. Roediger. No. 890,302; June 9; Sp. p. 2252; Dr. p. 495; Gaz. vol. 134; p. 1445.
 Jar and cover holder. I. N. Davis. No. 899,031; Sept. 22; Sp. p. 3543; Dr. p. 758; Gaz. vol. 136; p. 669.
 Jar and cover therefor. R. F. Honisch. No. 903,571; Nov. 10; Sp. p. 2080; Gaz. vol. 137; p. 371.
 Jar cap and opener. Combined. H. C. Curnow. No. 905,664; Dec. 1; Sp. p. 1094; Gaz. vol. 137; p. 1160.
 Jar clamp. Fruit-. L. Honstein. No. 901,618; Oct. 20; Sp. p. 3244; Dr. p. 665; Gaz. vol. 136; p. 1641.
 Jar-closure. F. Löffl. No. 882,116; Mar. 17; Sp. p. 3268; Dr. p. 695; Gaz. vol. 133; p. 595.
 Jar-closure. F. J. Layman. No. 884,826; Apr. 14; Sp. p. 2376; Dr. p. 500; Gaz. vol. 133; p. 1600.
 Jar-closure. H. E. Jolly. No. 886,218; Apr. 28; Sp. p. 5222; Dr. p. 1100; Gaz. vol. 133; p. 2110.
 Jar-closure. F. W. Bedford. No. 886,342; May 5; Sp. p. 11; Dr. p. 2; Gaz. vol. 134; p. 4.
 Jar-closure. D. Knowlton. No. 890,068; June 9; Sp. p. 1752; Dr. p. 388; Gaz. vol. 134; p. 1368.
 Jar-closure. A. W. Foster. No. 891,921; June 30; Sp. p. 5576; Dr. p. 1201; Gaz. vol. 134; p. 2073.
 Jar-closure. J. P. Lyon. No. 894,513; July 28; Sp. p. 4459; Dr. p. 924; Gaz. vol. 135; p. 781.
 Jar-closure. H. A. Spiller. No. 895,907; Aug. 11; Sp. p. 2256; Dr. p. 481; Gaz. vol. 135; p. 1290.
 Jar-closure. A. C. McCloskey. No. 907,166; Dec. 22; Sp. p. 3952; Gaz. vol. 137; p. 1735.
 Jar closure. Fruit-. J. C. McKean. No. 890,164; June 9; Sp. p. 1946; Dr. p. 429; Gaz. vol. 134; p. 1400.
 Jar-cover. E. F. Baxter. No. 884,791; Apr. 14; Sp. p. 2319; Dr. p. 487; Gaz. vol. 133; p. 1588.
 Jar-cover. W. Strachan. No. 885,103; Apr. 21; Sp. p. 2929; Dr. p. 622; Gaz. vol. 133; p. 1718.
 Jar cover-fastening. Fruit-. W. A. Bostwick. No. 886,930; May 5; Sp. p. 1183; Dr. p. 249; Gaz. vol. 134; p. 196.
 Jar cover. Fruit-. S. J. Vasily. No. 895,317; Aug. 4; Sp. p. 1099; Dr. p. 230; Gaz. vol. 135; p. 1076.
 Jar, Covered. C. M. Conradson. No. 907,129; Dec. 22; Sp. p. 3894; Gaz. vol. 137; p. 1723.
 Jar holder. Fruit-. G. M. Corsey. No. 891,464; June 23; Sp. p. 4617; Dr. p. 1003; Gaz. vol. 134; p. 1889.
 Jar-lid clamp. F. R. Schriver. No. 897,790; Sept. 1; Sp. p. 1107; Dr. p. 237; Gaz. vol. 136; p. 177.
 Jar-lifter. J. W. Glenger. No. 892,588; July 7; Sp. p. 372; Dr. pp. 81-2; Gaz. vol. 135; p. 69.
 Jar-opener. M. Sarvalla and W. W. Smith. No. 899,683; Sept. 29; Sp. p. 4830; Dr. p. 1034; Gaz. vol. 136; p. 916.
 Jar-opener. J. F. McCain. No. 900,297; Oct. 6; Sp. p. 481; Dr. p. 100; Gaz. vol. 136; p. 1148.
 Jar opener. Fruit-. R. J. Givens. No. 894,626; July 28; Sp. p. 4692; Dr. p. 974; Gaz. vol. 135; p. 818.
 Jar-opening wrench. J. A. Weisbeck and E. Johnson. No. 893,405; July 14; Sp. p. 2030; Dr. p. 426; Gaz. vol. 135; p. 365.
 Jar, pot, or vessel for containing or keeping perishable products. A. Perlich. No. 902,166; Oct. 27; Sp. p. 4387; Dr. p. 888; Gaz. vol. 136; p. 1850.
 Jar-support. A. M. Katzenbach. No. 877,507; Jan. 28; Sp. p. 3737; Dr. p. 808; Gaz. vol. 132; p. 696.
 Jar-wrench. E. F. Ives. No. 876,001; Jan. 7; Sp. p. 609; Dr. p. 130; Gaz. vol. 132; p. 106.
 Jar-wrench. K. Lyons. No. 901,247; Oct. 13; Sp. p. 2414; Dr. p. 495; Gaz. vol. 136; p. 1481.
 Jar-wrench. J. Nelson. No. 907,857; Dec. 29; Sp. p. 5413; Gaz. vol. 137; p. 1995.
 Jars and other receptacles. Closure for. G. Valentine. No. 900,240; Oct. 6; Sp. p. 343; Dr. p. 72; Gaz. vol. 136; p. 1129.
 Jars and similar receptacles. Disk closure for. H. A. Spiller. No. 895,906; Aug. 11; Sp. p. 2255; Dr. p. 481; Gaz. vol. 135; p. 1290.
 Jars and the like. Closure for milk-. F. K. Plympton. No. 886,014; Apr. 28; Sp. p. 4552; Dr. p. 1020; Gaz. vol. 133; p. 2045.
 Jars, bottles, and like receptacles. Closure for. M. D. Converse. No. 888,696; May 26; Sp. p. 4770; Dr. p. 1015; Gaz. vol. 134; p. 863.
 Jars, bottles, and the like. Closure device for. A. R. Bell. No. 885,424; Apr. 21; Sp. p. 3614; Dr. p. 758; Gaz. vol. 133; p. 1824.
 Jars, bottles, and the like. Closure for. J. Karmann. No. 888,818; May 26; Sp. p. 5035; Dr. p. 1074; Gaz. vol. 134; p. 905.
 Jars, Depresser for fruit-. N. K. Keeley. No. 900,740; Oct. 13; Sp. p. 1430; Dr. p. 290; Gaz. vol. 136; p. 1319.
 Jars or the like. Closure for. M. C. Schweinert and H. P. Kraft. No. 902,259; Oct. 27; Sp. p. 4570; Dr. p. 928; Gaz. vol. 136; p. 1879.
 Jarring device. E. E. Messmore. No. 886,231; Apr. 28; Sp. p. 5249; Dr. p. 1106; Gaz. vol. 133; p. 2115.
 Jarring-machine. W. Lewis. No. 891,488; June 23; Sp. p. 4668; Dr. pp. 1011-12; Gaz. vol. 134; p. 1897.
 Jaws. Device for repairing fractured. P. Stukey. No. 878,577; Feb. 11; Sp. p. 1479; Dr. p. 300; Gaz. vol. 132; p. 1109.
 Jaws. Device for repairing fractured. P. Stukey. (Reissue.) No. 12,794; May 19; Sp. p. 4256; Dr. p. 901; Gaz. vol. 134; p. 753.
 Jelly-testing method and apparatus. J. Alexander. No. 882,731; Mar. 24; Sp. p. 4452; Dr. p. 947; Gaz. vol. 133; p. 828.
 Jet-photometer. L. E. Knott. No. 907,057; Dec. 15; Sp. p. 3726; Gaz. vol. 137; p. 1664.
 Jetty device. G. T. Wells. No. 891,890; June 30; Sp. p. 5509; Dr. p. 1190; Gaz. vol. 134; p. 2062.
 Jewel and pivot gage. F. R. Coats. No. 885,838; Apr. 28; Sp. p. 4468; Dr. p. 938; Gaz. vol. 133; p. 1986.
 Jewel. Butterfly-. W. D. and R. W. Denton. No. 897,274; Sept. 1; Sp. p. 23; Dr. p. 6; Gaz. vol. 136; p. 6.
 Jewel-bar. H. W. Fishel. No. 881,065; Mar. 3; Sp. p. 1142; Dr. p. 247; Gaz. vol. 133; p. 195.
 Jewel-bar. H. W. Fishel. No. 881,066; Mar. 3; Sp. p. 1143; Dr. p. 247; Gaz. vol. 133; p. 195.
 Jewel-bar. H. W. Fishel. No. 884,979; Apr. 14; Sp. p. 2675; Dr. p. 569; Gaz. vol. 133; p. 1645.
 Jewel-cupping machine. J. Wennstrom. No. 886,310; Apr. 28; Sp. p. 5409; Dr. p. 1135; Gaz. vol. 133; p. 2143.
 Jewel-holder. A. T. Hunt. No. 881,802; Mar. 10; Sp. p. 2596; Dr. p. 558; Gaz. vol. 133; p. 463.
 Jeweler's gage. C. J. Dauner and C. A. Wermann. No. 876,696; Jan. 14; Sp. p. 2086; Dr. p. 453; Gaz. vol. 132; p. 369.
 Jeweler's loop. M. R. Johnson. No. 888,617; May 26; Sp. p. 4601; Dr. p. 976; Gaz. vol. 134; p. 840.
 Jeweler's solder-cutting machine. G. Lieb. No. 896,924; Aug. 25; Sp. p. 4332; Dr. p. 928; Gaz. vol. 135; p. 1666.
 Jeweler's staking-tool. L. Russell. No. 892,309; June 30; Sp. p. 6321; Dr. p. 1361; Gaz. vol. 134; p. 2199.
 Jewelry. F. P. Barney. No. 888,056; May 19; Sp. p. 3478; Dr. p. 729; Gaz. vol. 134; p. 624.
 Jewelry component. J. C. and J. A. Doran. (Reissue.) No. 12,888; Nov. 24; Sp. p. 5359; Gaz. vol. 137; p. 956.
 Jewelry pinning and holding device. M. Greer. No. 878,523; Feb. 11; Sp. p. 1343; Dr. p. 272; Gaz. vol. 132; p. 1089.
 Jewelry-polishing device. C. H. Hodgkins. No. 881,583; Mar. 10; Sp. p. 2168; Dr. p. 473; Gaz. vol. 133; p. 394.
 Jewelry safety-catch. E. Liebert. No. 897,470; Sept. 1; Sp. p. 472; Dr. p. 101; Gaz. vol. 136; p. 75.
 Jewelry safety device. G. Lincks. No. 876,983; Jan. 21; Sp. p. 2660; Dr. p. 578; Gaz. vol. 132; p. 502.
 Jewelry-stand. M. Engelsman. No. 877,838; Jan. 28; Sp. p. 4374; Dr. p. 951; Gaz. vol. 132; p. 802.
 Jib-crane, Counterweight. W. Van Wie. No. 906,587; Dec. 15; Sp. p. 2849; Gaz. vol. 137; p. 1516.
 Jig. G. C. Stone. No. 890,939; June 16; Sp. p. 3560; Dr. p. 777; Gaz. vol. 134; p. 1685.
 Jig. R. H. Richards. No. 901,475; Oct. 20; Sp. p. 2963; Dr. p. 605; Gaz. vol. 136; p. 1596.
 Jig, Machinist's. B. P. Fortin. No. 883,869; Apr. 7; Sp. p. 405; Dr. pp. 78-9; Gaz. vol. 133; p. 1255.
 Joiner's hand-clamp. H. F. Holtmann. No. 877,426; Jan. 21; Sp. p. 3567; Dr. p. 771; Gaz. vol. 132; p. 649.
 Joining-table. J. F. Nolan. No. 894,340; July 28; Sp. p. 4110; Dr. p. 848; Gaz. vol. 135; p. 724.
 Joint: See Ball-joint; Ball-and-socket joint; Bar-joint; Bracelet-joint; Collapsible joint; Conduit-joint; Dredge-bucket joint; Felly-joint; Flexible joint; Floor-joint; Fluid-joint; Hinge-joint; Insulated rail-joint; Lock-joint; Pin-joint; Pipe-joint; Piping-joint; Radiator packing-joint; Rail-joint; Railway offset joint; Railway-rail joint; Roof-joint; Roofing-material joint; Self-tightening joint; Sheet-metal-vessel joint; Steam-tight joint; Stovepipe-joint; Universal joint; Wood-member joint.
 Joint. H. F. Rasor. No. 876,490; Jan. 14; Sp. p. 1627; Dr. p. 353; Gaz. vol. 132; p. 297.
 Joint-binder. E. C. Glardon. No. 879,097; Feb. 11; Sp. p. 2477; Dr. p. 516; Gaz. vol. 132; p. 1273.
 Joint device. Expansion-. F. Seiffert. No. 878,317; Feb. 4; Sp. p. 865; Dr. p. 172; Gaz. vol. 132; p. 987.
 Joint-fastener. C. J. Traub. No. 892,333; June 30; Sp. p. 6366; Dr. p. 1373; Gaz. vol. 134; p. 2207.
 Joint-wiping apparatus. R. M. Corcoran. No. 881,665; Mar. 10; Sp. p. 2336; Dr. pp. 506-7; Gaz. vol. 133; p. 420.
 Journal-bearing. F. L. Adams. No. 878,031; Feb. 4; Sp. p. 288; Dr. p. 61; Gaz. vol. 132; p. 895.
 Journal-bearing. A. L. Streeter. No. 884,050; Apr. 7; Sp. p. 770; Dr. p. 160; Gaz. vol. 133; p. 1316.
 Journal-bearing. A. H. Sassaman. No. 884,866; Apr. 14; Sp. p. 2465; Dr. p. 519; Gaz. vol. 133; p. 1613.
 Journal-bearing. G. Küper. No. 888,101; May 19; Sp. p. 3576; Dr. p. 748; Gaz. vol. 134; p. 639.
 Journal-bearing. T. H. Wilson. No. 893,410; July 14; Sp. p. 2040; Dr. p. 428; Gaz. vol. 135; p. 367.
 Journal-bearing. E. K. Bailey. No. 901,140; Oct. 13; Sp. p. 2231; Dr. p. 454; Gaz. vol. 136; p. 1448.
 Journal-bearing. S. H. Campbell. No. 907,967; Dec. 29; Sp. p. 5651; Gaz. vol. 137; p. 2031.
 Journal-bearing adjustment. C. Reeves. No. 894,532; July 28; Sp. p. 4494; Dr. p. 931; Gaz. vol. 135; p. 787.
 Journal-bearing. Car. D. M. Watson. No. 904,104; Nov. 17; Sp. p. 3180; Gaz. vol. 137; p. 577.
 Journal-bearing liner. M. Wagner. No. 890,736; June 16; Sp. p. 3149; Dr. p. 689; Gaz. vol. 134; p. 1619.
 Journal-box. J. W. Smith and S. A. Culbreth. No. 880,927; Mar. 3; Sp. p. 894; Dr. p. 193; Gaz. vol. 133; p. 151.
 Journal-box. J. S. Patten. No. 881,866; Mar. 10; Sp. p. 2741; Dr. p. 587; Gaz. vol. 133; p. 484.
 Journal-box. A. O. Buckius, Jr. No. 882,487; Mar. 17; Sp. p. 3949; Dr. pp. 844-5; Gaz. vol. 133; p. 715.
 Journal-box. G. M. Washington. No. 893,404; July 14; Sp. p. 2029; Dr. p. 426; Gaz. vol. 135; p. 365.
 Journal-box. C. W. Barber. No. 893,598; July 21; Sp. p. 2483; Dr. p. 517; Gaz. vol. 135; p. 458.
 Journal-box. J. A. Duffy. No. 894,372; July 28; Sp. p. 4175; Dr. p. 862; Gaz. vol. 135; p. 734.
 Journal-box. A. H. Lewis. No. 895,096; Aug. 4; Sp. p. 638; Dr. p. 133; Gaz. vol. 135; p. 1000.
 Journal-box. G. W. Lewis. No. 897,998; Aug. 25; Sp. p. 4491; Dr. pp. 958-9; Gaz. vol. 135; p. 1689.

Alphabetical list of inventions—Continued.

- Journal-box. W. A. Huff. No. 900,543; Oct. 6; Sp. p. 1014; Dr. pp. 205-6; Gaz. vol. 136; p. 1228.
 Journal-box. J. D. Jones. No. 901,346; Oct. 20; Sp. p. 2652; Dr. p. 544; Gaz. vol. 136; p. 1551.
 Journal-box. J. G. Smith. No. 903,334; Nov. 10; Sp. p. 1599; Gaz. vol. 137; p. 293.
 Journal-box. T. H. Symington. No. 904,460; Nov. 17; Sp. p. 3939; Gaz. vol. 137; p. 699.
 Journal-box. L. G. Woods. No. 904,665; Nov. 24; Sp. p. 4377; Gaz. vol. 137; p. 795.
 Journal-box. D. W. Gero. No. 908,403; Dec. 29; Sp. p. 6576; Gaz. vol. 137; p. 2180.
 Journal-box, Adjustable. F. E. Buxton. No. 895,425; Aug. 11; Sp. p. 1303; Dr. pp. 273-4; Gaz. vol. 135; p. 1134.
 Journal-box and lid. J. Goettel. No. 884,918; Apr. 14; Sp. p. 2564; Dr. pp. 539-40; Gaz. vol. 133; p. 1627.
 Journal-box, Car. E. Good. No. 879,459; Feb. 18; Sp. p. 3226; Dr. p. 671; Gaz. vol. 132; p. 1433.
 Journal-box, Car-axle. C. T. Arnold. No. 878,328; Feb. 4; Sp. p. 886; Dr. p. 177; Gaz. vol. 132; p. 991.
 Journal-box cover, Dust-proof self-locking. J. W. Gibney. No. 889,780; June 2; Sp. p. 1148; Dr. p. 266; Gaz. vol. 134; p. 1245.
 Journal-box for hay-loaders. F. A. Hanenberger. No. 897,095; Aug. 25; Sp. p. 4682; Dr. p. 998; Gaz. vol. 135; p. 1722.
 Journal-box for road and other vehicles. J. E. Cooper. No. 878,358; Feb. 4; Sp. p. 937; Dr. pp. 186-7; Gaz. vol. 132; p. 1001.
 Journal-box guard or closure. G. F. Godley. No. 887,787; May 19; Sp. p. 2955; Dr. p. 621; Gaz. vol. 134; p. 536.
 Journal-box, Lubricating. C. Seidel. No. 876,403; Jan. 14; Sp. p. 1437; Dr. p. 309; Gaz. vol. 132; p. 267.
 Journal-box, Railway-car. H. J. Klinsman. No. 877,780; Jan. 28; Sp. p. 4266; Dr. p. 926; Gaz. vol. 132; p. 783.
 Journal-box waste-support. J. S. Patten. No. 890,572; June 9; Sp. p. 2757; Dr. p. 609-10; Gaz. vol. 134; p. 1532.
 Journal-boxes and similar articles, Mold for casting. M. Bernhart. No. 907,955; Dec. 29; Sp. p. 5624; Gaz. vol. 137; p. 2026.
 Journaling device. N. S. Bök. No. 878,860; Feb. 11; Sp. p. 2026; Dr. p. 418; Gaz. vol. 132; p. 1206.
 Jug. S. E. Tomblason. No. 903,026; Nov. 3; Sp. p. 1001; Gaz. vol. 137; p. 164.
 Jug-holder. C. R. Brown. No. 882,231; Mar. 17; Sp. p. 3494; Dr. p. 741; Gaz. vol. 133; p. 630.
 Junction-box. H. H. Hornsby. No. 876,187; Jan. 7; Sp. p. 971; Dr. p. 210; Gaz. vol. 132; p. 165.
 Junction-box. J. N. Scism. No. 904,458; Nov. 17; Sp. p. 3935; Gaz. vol. 137; p. 698.
 Junction or outlet box. J. Fountain, Jr. No. 907,139; Dec. 22; Sp. p. 3909; Gaz. vol. 137; p. 1726.
 Justifying mechanism. F. B. Converse, Jr. No. 903,677; Nov. 10; Sp. p. 2289; Gaz. vol. 137; p. 403.
 Kaleidoscope. J. R. Hare. No. 877,645; Jan. 28; Sp. p. 4022; Dr. p. 868; Gaz. vol. 132; p. 741.
 Kaolin clay, &c., Decolorizing. K. Langenbeck. No. 893,590; July 14; Sp. p. 2463; Gaz. vol. 135; p. 426.
 Keg-cover. H. Dittmann. No. 877,636; Jan. 28; Sp. p. 4005; Dr. p. 865; Gaz. vol. 132; p. 739.
 Keg for white lead and other heavy articles, Sheet-metal. C. Stollberg. No. 880,834; Mar. 3; Sp. p. 714; Dr. p. 150; Gaz. vol. 133; p. 121.
 Keg for white lead, Sheet-steel. C. Stollberg. No. 878,576; Feb. 11; Sp. p. 1478; Dr. p. 299; Gaz. vol. 132; p. 1108.
 Keg form and table, Rotary setting-up. F. C. Schulte. No. 899,191; Sept. 22; Sp. p. 3856; Dr. p. 825; Gaz. vol. 136; p. 722.
 Keg-handling device, Beer. F. J. Donoughe. No. 896,714; Aug. 25; Sp. p. 3846; Dr. p. 832; Gaz. vol. 135; p. 1593.
 Keg or vessel. A. J. Moxham. No. 902,594; Nov. 3; Sp. p. 131; Gaz. vol. 137; p. 22.
 Kettle. F. N. Martindale. No. 888,519; May 26; Sp. p. 4383; Dr. p. 928; Gaz. vol. 134; p. 804.
 Kettle. M. E. French. No. 905,685; Dec. 1; Sp. p. 1133; Gaz. vol. 137; p. 1167.
 Kettle. R. B. Lewis. No. 908,285; Dec. 29; Sp. p. 6312; Gaz. vol. 137; p. 2138.
 Kettle, Electric. D. C. Smith. No. 881,968; Mar. 17; Sp. p. 2968; Dr. p. 632; Gaz. vol. 133; p. 547.
 Kettle-protector. H. T. Kellogg. No. 889,020; May 26; Sp. p. 5431; Dr. p. 1154; Gaz. vol. 134; p. 970.
 Kettle-filter. E. Mousseau. No. 897,477; Sept. 1; Sp. p. 484; Dr. p. 103; Gaz. vol. 136; p. 77.
 Key. See Clock-key; Instrument-key; Party-line-indicating key; Telegraph-key; Type-writer key.
 Key. O. Katzenberger. No. 877,930; Feb. 4; Sp. p. 72; Dr. p. 15; Gaz. vol. 132; p. 861.
 Key-action. J. C. Wahl. No. 886,447; May 5; Sp. p. 206; Dr. p. 44; Gaz. vol. 134; p. 39.
 Key-bolt. E. Reed. No. 890,871; June 16; Sp. p. 3404; Dr. p. 746; Gaz. vol. 134; p. 1663.
 Key-bolt and automatic lock therefor. W. M. McIntosh. No. 881,819; Mar. 10; Sp. p. 2626; Dr. p. 564; Gaz. vol. 133; p. 469.
 Key-carrying device. A. H. Merrill. No. 905,731; Dec. 1; Sp. p. 1225; Gaz. vol. 137; p. 1182.
 Key-duplicator. W. R. Corbin. No. 894,726; July 28; Sp. p. 4867; Dr. p. 1013; Gaz. vol. 135; p. 850.
 Key-fastener. A. A. Svensen. No. 875,965; Jan. 7; Sp. p. 543; Dr. p. 116; Gaz. vol. 132; p. 95.
 Key-fastener. L. G. Reppell. No. 889,967; June 9; Sp. p. 1535; Dr. p. 347; Gaz. vol. 134; p. 1332.
 Key-fastener. L. G. Reppell. No. 907,285; Dec. 22; Sp. p. 4225; Gaz. vol. 137; p. 1777.
 Key-fastener for locks. F. H. Rogers. No. 880,102; Feb. 25; Sp. p. 4562; Dr. p. 661; Gaz. vol. 132; p. 1676.
 Key-guard. N. Pellow. No. 899,801; Sept. 29; Sp. p. 5097; Dr. p. 1090; Gaz. vol. 136; p. 956.
 Key-guard. A. and S. De Paemaelaere. No. 902,948; Nov. 3; Sp. p. 840; Gaz. vol. 137; p. 139.
 Key-handle. F. R. Alford. No. 902,793; Nov. 3; Sp. p. 504; Gaz. vol. 137; p. 88.
 Key-holder. J. F. Stewart. No. 905,015; Nov. 24; Sp. p. 5119; Gaz. vol. 137; p. 912.
 Key-levers, Two-way full-stroke device for. H. Hanson. No. 876,959; Jan. 21; Sp. p. 2618; Dr. p. 569; Gaz. vol. 132; p. 494.
 Key-lock for key-operated machines. L. G. Juhlman. No. 883,645; Mar. 31; Sp. p. 6313; Dr. p. 1346; Gaz. vol. 133; p. 1154.
 Key-operated machines, Attachment for. J. Vidal y Diaz. No. 903,031; Nov. 3; Sp. p. 1009; Gaz. vol. 137; p. 165.
 Key-ring and door-securer. L. M. Cooper. No. 898,725; Sept. 15; Sp. p. 2978; Dr. p. 638; Gaz. vol. 136; p. 542.
 Key-ring device. B. V. Clark and W. C. Cookson. No. 878,274; Feb. 4; Sp. p. 781; Dr. p. 156; Gaz. vol. 132; p. 974.
 Key-seat broaching machine. J. N. Lapointe. No. 876,277; Jan. 7; Sp. p. 1156; Dr. pp. 252-3; Gaz. vol. 132; p. 195.
 Key-seating machine. C. C. Newton. No. 903,757; Nov. 10; Sp. p. 2441; Gaz. vol. 137; p. 427.
 Key-seating machine, Hand-operated. F. Link. No. 901,716; Oct. 20; Sp. p. 3485; Dr. p. 705; Gaz. vol. 136; p. 1675.
 Key-socket. H. Hubbell. No. 878,633; Feb. 11; Sp. p. 1599; Dr. p. 326; Gaz. vol. 132; p. 1127.
 Keys, Machine for making nut-locking. J. H. Burrows. No. 890,492; June 9; Sp. p. 2599; Dr. p. 576; Gaz. vol. 134; p. 1504.
 Keyboard. A. B. Cross and B. L. Umlberger. No. 877,911; Feb. 4; Sp. p. 35; Dr. p. 7; Gaz. vol. 132; p. 854.
 Keyboard. H. F. Schaar. No. 894,167; July 21; Sp. p. 3725; Dr. p. 770; Gaz. vol. 135; p. 646.
 Keyboard, Auxiliary transposing. G. G. Scurfield. No. 904,730; Nov. 24; Sp. p. 4517; Gaz. vol. 137; p. 817.
 Keyboard instrument, Mechanical player for. W. Papp. No. 897,008; Aug. 25; Sp. p. 4512; Dr. p. 964; Gaz. vol. 135; p. 1693.
 Keyed instrument, Mechanically-playing. F. Moritz. No. 880,089; Feb. 25; Sp. p. 4545; Dr. p. 957; Gaz. vol. 132; p. 1673.
 Keyhole-guard and key-lock. E. L. Medler. No. 897,473; Sept. 1; Sp. p. 475; Dr. p. 101; Gaz. vol. 136; p. 76.
 Keyless lock for traveling-bags, &c. J. Kruse. No. 886,136; Apr. 28; Sp. p. 5087; Dr. p. 1068; Gaz. vol. 133; p. 2084.
 Kiln. See Brick-kiln; Calorific kiln; Dry-kiln; Drying-kiln; Drying and carbonizing kiln; Limekiln; Lumber-kiln; Malt-kiln; Malting-kiln; Roasting-kiln; Rotary kiln.
 Kiln. M. H. Avram. No. 888,573; May 26; Sp. p. 4504; Dr. pp. 954-5; Gaz. vol. 134; p. 825.
 Kiln. J. W. Le Gore. No. 898,902; Sept. 15; Sp. p. 3299; Dr. p. 707; Gaz. vol. 136; p. 600.
 Kiln. H. W. Croft and O. M. Reif. No. 899,714; Sept. 29; Sp. p. 4885; Dr. pp. 1048-9; Gaz. vol. 136; p. 925.
 Kiln. W. Ward. No. 906,174; Dec. 8; Sp. p. 2081; Gaz. vol. 137; p. 1356.
 Kiln apparatus. W. T. Black. No. 892,975; July 14; Sp. p. 1185; Dr. pp. 249-50; Gaz. vol. 135; p. 225.
 Kiln for coking peat or similar material. M. Zeigler. No. 876,421; Jan. 14; Sp. p. 1479; Dr. pp. 317-18; Gaz. vol. 132; p. 273.
 Kilns, Coal-burner for cement-. J. H. O'Donnell and H. McClaflerty. No. 898,131; Sept. 8; Sp. p. 1838; Dr. p. 391; Gaz. vol. 136; p. 320.
 Kinematograph and like apparatus. A. Mallet. No. 891,430; June 23; Sp. p. 4554; Dr. p. 990; Gaz. vol. 134; p. 1877.
 Kinematograph mechanism. R. T. Haines. No. 901,962; Oct. 27; Sp. p. 3958; Dr. p. 808; Gaz. vol. 136; p. 1785.
 Kinematographs, Safety attachment for. A. Mallet. No. 891,431; June 23; Sp. p. 4555; Dr. pp. 990-1; Gaz. vol. 134; p. 1878.
 Kinetoscope. G. A. Knaak. No. 899,543; Sept. 29; Sp. p. 4548; Dr. pp. 977-8; Gaz. vol. 136; p. 871.
 Kinetoscope safety-shutter. H. Naylor. Jr. No. 905,910; Dec. 8; Sp. p. 1580; Gaz. vol. 137; p. 1272.
 Kitchen appliance. M. R. Habermann. No. 879,539; Feb. 18; Sp. p. 3378; Dr. p. 706; Gaz. vol. 132; p. 1460.
 Kitchen device. E. A. Hudson. No. 881,077; Mar. 3; Sp. p. 1169; Dr. p. 252; Gaz. vol. 133; p. 199.
 Kitchen, Portable field. L. Höhnke. No. 887,940; May 19; Sp. p. 3266; Dr. p. 686; Gaz. vol. 134; p. 587.
 Kitchen-rack. O. Rothengatter. No. 886,413; May 5; Sp. p. 151; Dr. p. 31; Gaz. vol. 134; p. 29.
 Kitchen-rack. B. L. Bailey. No. 888,295; May 19; Sp. p. 3929; Dr. p. 827; Gaz. vol. 134; p. 702.
 Kitchen utensil. A. Koepen. No. 882,151; Mar. 17; Sp. p. 3325; Dr. p. 708; Gaz. vol. 133; p. 605.
 Kitchen utensil. H. L. Clark. No. 892,404; July 7; Sp. p. 27; Dr. p. 8; Gaz. vol. 135; p. 8.
 Kitchen utensil. A. B. Westrup. No. 899,365; Sept. 22; Sp. p. 4193; Dr. p. 897; Gaz. vol. 136; p. 777.
 Kitchen utensil, Combination. C. R. Tuson. No. 881,268; Mar. 10; Sp. p. 1546; Dr. p. 333; Gaz. vol. 133; p. 291.
 Kite attachment. C. B. Carroll. No. 876,690; Jan. 14; Sp. p. 2078; Dr. p. 451; Gaz. vol. 132; p. 367.
 Kite, Dirigible. F. Riehl. No. 892,009; June 30; Sp. p. 5752; Dr. p. 1237; Gaz. vol. 134; p. 2100.
 Kneading and molding machine attachment, Bread. C. and E. J. Kruse. No. 896,396; Aug. 18; Sp. p. 3214; Dr. pp. 689-90; Gaz. vol. 135; p. 1468.
 Kneading and molding machine, Bread. W. H. Wood. No. 883,370; Mar. 31; Sp. p. 5743; Dr. pp. 1226-7; Gaz. vol. 133; p. 1067.
 Kneading machine, Butter-. A. Fischer. No. 877,559; Jan. 28; Sp. p. 3858; Dr. p. 835; Gaz. vol. 132; p. 714.
 Kneading-trough, Baker's. G. Peschel. No. 889,962; June 9; Sp. p. 1527; Dr. p. 345; Gaz. vol. 134; p. 1331.
 Knee-pad, Pneumatic. F. P. Gibbs. No. 891,533; June 23; Sp. p. 4761; Dr. p. 1031; Gaz. vol. 134; p. 1912.
 Knee-rest. H. M. Landfield. No. 878,008; Feb. 4; Sp. p. 222; Dr. p. 48; Gaz. vol. 132; p. 887.

Alphabetical list of inventions—Continued.

- Knife: See Annular knife; Band-knife; Bee-keeper's knife; Calciminer's knife; Corn-knife; Corn-cutter knife; Guarded knife; Harvesting-knife; Hay, straw, or like cutting knife; Hoof-cutting knife; Miner's knife; Paring-knife; Pocket-knife; Surgeon's knife; Trick-knife.
- Knife. T. F. Burk. No. 880,123; Feb. 25; Sp. p. 4607; Dr. p. 971; Gaz. vol. 132; p. 1684.
- Knife. C. E. Billings. No. 881,294; Mar. 10; Sp. p. 1611; Dr. p. 345; Gaz. vol. 133; p. 301.
- Knife and crimper, Combination. C. Schultze, Jr. No. 903,234; Nov. 10; Sp. p. 1403; Gaz. vol. 137; p. 260.
- Knife cleaning and polishing machine. H. F. Hambruch. No. 886,602; May 5; Sp. p. 514; Dr. p. 110; Gaz. vol. 134; p. 92.
- Knife for topping trees and shrubs. C. Dunbar. No. 887,236; May 12; Sp. p. 1760; Dr. p. 376; Gaz. vol. 134; p. 322.
- Knife-guard for meat-slicing machines. A. Roest. No. 897,018; Aug. 25; Sp. p. 4532; Dr. p. 969; Gaz. vol. 135; p. 1697.
- Knife-handle. W. I. Morton. No. 884,030; Apr. 7; Sp. p. 732; Dr. p. 147; Gaz. vol. 133; p. 1309.
- Knife-handle. W. W. Howell. No. 886,809; May 5; Sp. p. 975; Dr. p. 204; Gaz. vol. 134; p. 159.
- Knife-handle. C. E. Kennedy. No. 887,332; May 12; Sp. p. 2041; Dr. p. 426; Gaz. vol. 134; p. 357.
- Knife-holder. Cutlery. E. Potter. No. 885,081; Apr. 21; Sp. p. 2882; Dr. p. 611; Gaz. vol. 133; p. 1711.
- Knife polishing or sharpening machine. H. B. Keiper. No. 890,658; June 16; Sp. p. 2967; Dr. p. 650; Gaz. vol. 134; p. 1593.
- Knife sections. Means for joining sectional-. G. J. Mayer. No. 904,442; Nov. 17; Sp. p. 3906; Gaz. vol. 137; p. 693.
- Knife-sharpener. A. von Beust. No. 905,638; Dec. 1; Sp. p. 1055; Gaz. vol. 137; p. 1153.
- Knife-wiper. F. A. Pettit. No. 896,855; Aug. 25; Sp. p. 4165; Dr. p. 892; Gaz. vol. 135; p. 1642.
- Knives of machines, Guard for the. P. Knuth. No. 882,252; Mar. 17; Sp. p. 3531; Dr. p. 748; Gaz. vol. 133; p. 638.
- Knives, Paring attachment for. E. L. De Vale. No. 879,857; Feb. 25; Sp. p. 4074; Dr. p. 853; Gaz. vol. 132; p. 1597.
- Knit cap. Flat. N. E. Kahn. No. 898,376; Sept. 8; Sp. p. 2288; Dr. p. 487; Gaz. vol. 136; p. 397.
- Knit fabric. J. McNamee. No. 898,985; Sept. 15; Sp. p. 3443; Dr. p. 739; Gaz. vol. 136; p. 626.
- Knit fabric and making same. R. J. Steiner. No. 886,886; May 5; Sp. p. 1109; Dr. p. 232; Gaz. vol. 134; p. 182.
- Knitted fabric. R. W. Scott. No. 885,793; Apr. 28; Sp. p. 4369; Dr. p. 917; Gaz. vol. 133; p. 1970.
- Knitted fabric. R. W. Scott. No. 885,794; Apr. 28; Sp. p. 4370; Dr. p. 917; Gaz. vol. 133; p. 1971.
- Knitted fabric and making same. R. W. Scott. No. 901,204; Oct. 13; Sp. p. 2456; Dr. pp. 504-5; Gaz. vol. 136; p. 1487.
- Knitted-fabric guide. C. Sander. No. 896,046; Aug. 11; Sp. p. 2536; Dr. p. 551; Gaz. vol. 135; p. 1335.
- Knitted fabrics, Manufacturing. H. L. Nelke. No. 893,356; July 14; Sp. p. 1945; Dr. p. 408; Gaz. vol. 135; p. 349.
- Knitted hosiery. R. W. Scott. No. 893,663; July 21; Sp. p. 2617; Dr. p. 548; Gaz. vol. 135; p. 480.
- Knitted web. R. W. Scott. No. 881,495; Mar. 10; Sp. p. 2001; Dr. p. 436; Gaz. vol. 133; p. 363.
- Knitted web, hosiery made therefrom, and making same, Narrowed-. R. W. Scott. No. 897,496; Sept. 1; Sp. p. 522; Dr. p. 111; Gaz. vol. 136; p. 83.
- Knitted web, Ribbed. R. W. Scott. No. 899,439; Sept. 22; Sp. p. 4312; Dr. p. 926; Gaz. vol. 136; p. 799.
- Knitting-machine. A. V. Groupe. No. 875,707; Jan. 7; Sp. p. 57; Dr. pp. 11-12; Gaz. vol. 132; p. 13.
- Knitting-machine. E. Lippitt. No. 876,815; Jan. 14; Sp. p. 2285; Dr. pp. 501-3; Gaz. vol. 132; p. 405.
- Knitting-machine. R. W. Scott. No. 879,681; Feb. 18; Sp. p. 3690; Dr. pp. 772-3; Gaz. vol. 132; p. 1506.
- Knitting-machine. K. H. White. No. 894,407; July 14; Sp. p. 2033; Dr. p. 427; Gaz. vol. 135; p. 366.
- Knitting-machine. R. W. Scott and H. Swinglehurst. No. 895,805; Aug. 11; Sp. p. 2068; Dr. pp. 438-9; Gaz. vol. 135; p. 1257.
- Knitting-machine. W. D. and L. C. Huse. No. 904,484; Nov. 17; Sp. p. 3986; Gaz. vol. 137; p. 707.
- Knitting-machine attachment, Warp-. E. H. Heath. No. 891,217; June 16; Sp. p. 4099; Dr. p. 900; Gaz. vol. 134; p. 1775.
- Knitting-machine automatic stop-motion. J. B. Rhodes. No. 894,698; July 28; Sp. p. 4826; Dr. pp. 1002-3; Gaz. vol. 135; p. 842.
- Knitting-machine brake, Automatic. G. A. White. No. 879,506; Feb. 18; Sp. p. 3316; Dr. p. 693; Gaz. vol. 132; p. 1449.
- Knitting-machine cam-adjusting mechanism. G. L. Ballard. No. 879,720; Feb. 18; Sp. p. 3764; Dr. p. 789; Gaz. vol. 132; p. 1519.
- Knitting-machine cam-adjusting mechanism. G. L. Ballard. No. 891,809; June 30; Sp. p. 5355; Dr. p. 1159; Gaz. vol. 134; p. 2035.
- Knitting machine, Circular-. J. B. Paxton and E. I. O'Neill. No. 876,283; Jan. 7; Sp. p. 1168; Dr. p. 255; Gaz. vol. 132; p. 197.
- Knitting machine, Circular-. H. A. Houseman. No. 898,110; Sept. 8; Sp. p. 1795; Dr. p. 381; Gaz. vol. 136; p. 313.
- Knitting machine, Circular-. H. B. Taylor. No. 901,924; Oct. 20; Sp. p. 3866; Dr. p. 788; Gaz. vol. 136; p. 1741.
- Knitting-machine, Dial. H. Garant. No. 878,792; Feb. 11; Sp. p. 1908; Dr. p. 392; Gaz. vol. 132; p. 1179.
- Knitting-machine, Dial. B. T. Steber. No. 885,304; Apr. 21; Sp. p. 3367; Dr. p. 704; Gaz. vol. 133; p. 1785.
- Knitting-machine feeding device. J. D. Hemphill. No. 892,663; July 7; Sp. p. 527; Dr. p. 112; Gaz. vol. 135; p. 93.
- Knitting-machine needle. G. C. Egly. No. 885,590; Apr. 21; Sp. p. 3942; Dr. p. 823; Gaz. vol. 133; p. 1874.
- Knitting-machine needle-protector. G. L. Ballard. No. 875,767; Jan. 7; Sp. p. 172; Dr. p. 37; Gaz. vol. 132; p. 33.
- Knitting machine, Rib-. R. W. Scott. No. 901,840; Oct. 20; Sp. p. 3712; Dr. pp. 754-5; Gaz. vol. 136; p. 1714.
- Knitting-machine stop-motion. J. S. Crane. No. 880,013; Feb. 25; Sp. p. 4390; Dr. pp. 921-2; Gaz. vol. 132; p. 1648.
- Knitting-machine stop-motion. A. L. Brumbach. No. 888,461; May 26; Sp. p. 4276; Dr. p. 905; Gaz. vol. 134; p. 785.
- Knitting-machine stop-motion. J. B. Hipwell. No. 906,880; Dec. 15; Sp. p. 3411; Gaz. vol. 137; p. 1608.
- Knitting-machine stop-motion, Automatic. R. Filtz and A. Lake. No. 890,038; June 9; Sp. p. 1696; Dr. pp. 375-7; Gaz. vol. 134; p. 1358.
- Knitting machine, Straight-. W. W. Burson. No. 892,933; July 7; Sp. p. 1096; Dr. pp. 230-1; Gaz. vol. 135; p. 182.
- Knitting-machine take-up device, Circular-. H. A. Houseman. No. 883,958; Apr. 7; Sp. p. 592; Dr. p. 118; Gaz. vol. 133; p. 1286.
- Knitting-machine thread-feeding mechanism. W. D. and L. C. Huse. No. 879,821; Feb. 18; Sp. p. 3962; Dr. p. 830; Gaz. vol. 132; p. 1558.
- Knitting-machine web-holder, Rib-. R. W. Scott. No. 901,839; Oct. 20; Sp. p. 3711; Dr. p. 753; Gaz. vol. 136; p. 1714.
- Knitting machines, Automatic measuring attachment for circular-. J. B. Hipwell. No. 904,204; Nov. 17; Sp. p. 3409; Gaz. vol. 137; p. 614.
- Knitting machines, Mechanism for forming garter-tops on stockings in circular-. H. A. Houseman. No. 905,185; Dec. 1; Sp. p. 121; Gaz. vol. 137; p. 1003.
- Knitting machines, Needle-cylinder and operative mechanism for needles of circular-. H. A. Houseman. No. 903,190; Nov. 10; Sp. p. 1310; Gaz. vol. 137; p. 245.
- Knitting machines, Pattern device for warp-. E. H. Heath. No. 891,216; June 16; Sp. p. 4096; Dr. p. 899; Gaz. vol. 134; p. 1774.
- Knitting machines, Pattern mechanism for straight-. J. Schutz. No. 892,902; July 7; Sp. p. 1032; Dr. pp. 216-17; Gaz. vol. 135; p. 171.
- Knitting machines, Sectional plaiting device for straight-. P. Guenther. No. 878,724; Feb. 11; Sp. p. 1767; Dr. pp. 365-6; Gaz. vol. 132; p. 1157.
- Knitting-machines, Transferring device for. A. Foster. No. 885,150; Apr. 21; Sp. p. 3051; Dr. p. 641; Gaz. vol. 133; p. 1735.
- Knob and thumb-latch lock, Transformable. W. A. Russell. No. 903,111; Nov. 3; Sp. p. 1158; Gaz. vol. 137; p. 188.
- Knob attachment. G. Cooper. No. 888,315; May 19; Sp. p. 3960; Dr. p. 834; Gaz. vol. 134; p. 707.
- Knob attachment. E. Hill. No. 907,353; Dec. 22; Sp. p. 4338; Gaz. vol. 137; p. 1799.
- Knob fastening, Door-. J. F. Smart. No. 876,845; Jan. 14; Sp. p. 2341; Dr. p. 514; Gaz. vol. 132; p. 414.
- Knob for pot-covers, Cold. H. C. Parkinson. No. 899,260; Sept. 22; Sp. p. 4015; Dr. p. 857; Gaz. vol. 136; p. 745.
- Knob, Illuminated door-. J. W. Lind. No. 893,082; July 14; Sp. p. 1402; Dr. p. 297; Gaz. vol. 135; p. 260.
- Knob mechanism, Electrically-illuminated door-. H. G. Williams and J. A. Spiker. No. 893,214; July 14; Sp. p. 1671; Dr. p. 353; Gaz. vol. 135; p. 302.
- Knob, Split. W. H. Irons. No. 876,059; Jan. 7; Sp. p. 721; Dr. p. 154; Gaz. vol. 132; p. 125.
- Knobs and other metal articles, Machine for scouring and scratch-brushing. D. F. Broderick. No. 892,129; June 30; Sp. p. 5972; Dr. p. 1284; Gaz. vol. 134; p. 2139.
- Knockdown box. J. L. Ware. No. 876,120; Jan. 7; Sp. p. 849; Dr. pp. 181-2; Gaz. vol. 132; p. 144.
- Knockdown box or crate. L. McMullen. No. 898,062; Sept. 8; Sp. p. 1707; Dr. pp. 361-2; Gaz. vol. 136; p. 298.
- Knockdown case. J. F. Wilmot. No. 887,369; May 12; Sp. p. 2103; Dr. p. 441; Gaz. vol. 134; p. 368.
- Knockdown chair. J. R. Koen. No. 891,266; June 23; Sp. p. 4210; Dr. p. 920; Gaz. vol. 134; p. 1823.
- Knockdown chair. B. W. Middleton. No. 898,668; Sept. 15; Sp. p. 2875; Dr. p. 615; Gaz. vol. 136; p. 524.
- Knockdown table. L. Graumiller, H. Bosenberger, and E. B. Smith. No. 889,600; June 2; Sp. p. 809; Dr. p. 184; Gaz. vol. 134; p. 1188.
- Knockdown table. W. J. Maddox. No. 905,200; Dec. 1; Sp. p. 161; Gaz. vol. 137; p. 1009.
- Knot-tying apparatus for bags, &c. C. D. Myers. No. 876,573; Jan. 14; Sp. p. 1813; Dr. p. 396; Gaz. vol. 132; p. 327.
- Knotter. L. R. Smith. No. 903,240; Nov. 10; Sp. p. 1412; Gaz. vol. 137; p. 262.
- Label-affixing machine. J. M. Brown. No. 889,753; June 2; Sp. p. 1104; Dr. pp. 255-7; Gaz. vol. 134; p. 1236.
- Label-affixing machine. J. M. Brown. No. 889,754; June 2; Sp. p. 1109; Dr. p. 257; Gaz. vol. 134; p. 1237.
- Label, Bottle-. J. F. Ahrens. No. 880,115; Feb. 25; Sp. p. 4587; Dr. p. 966; Gaz. vol. 132; p. 1681.
- Label-cutting attachment for boxes. M. Strickler. No. 893,276; July 14; Sp. p. 1793; Dr. p. 377; Gaz. vol. 135; p. 324.
- Label for cotton-bales. T. F. Steele. No. 886,086; Apr. 28; Sp. p. 4978; Dr. p. 1047; Gaz. vol. 133; p. 2068.
- Label-holder. V. H. Canham. No. 892,398; July 7; Sp. p. 19; Dr. p. 6; Gaz. vol. 135; p. 6.
- Label-holder. M. Joachimson. No. 905,882; Dec. 8; Sp. p. 1521; Gaz. vol. 137; p. 1263.
- Label-pasting board. L. Daum. No. 881,776; Mar. 10; Sp. p. 2539; Dr. p. 547; Gaz. vol. 133; p. 453.
- Labels or the like, Holder for. W. O'Leary. No. 897,996; Sept. 8; Sp. p. 1566; Dr. p. 333; Gaz. vol. 136; p. 278.
- Labeling device. S. Detmers. No. 884,573; Apr. 14; Sp. p. 1833; Dr. p. 393; Gaz. vol. 133; p. 1515.
- Labeling-machine. H. M. A. Harders. No. 887,797; May 19; Sp. p. 2975; Dr. p. 625; Gaz. vol. 134; p. 540.
- Labeling-machine. F. Szubis. No. 891,747; June 23; Sp. p. 5202; Dr. pp. 1125-6; Gaz. vol. 134; p. 1982.

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- Labeling-machine. F. W. Wild, Jr. No. 894,789; July 28; Sp. p. 4987; Dr. pp. 1040-1; Gaz. vol. 135; p. 870.
 Labeling-machine. F. H. Knapp and C. W. Blackstone. No. 894,891; Aug. 4; Sp. p. 190; Dr. pp. 41-3; Gaz. vol. 135; p. 930.
 Labeling-machine. F. C. Williams. No. 896,675; Aug. 18; Sp. p. 3752; Dr. pp. 809-12; Gaz. vol. 135; p. 1557.
 Labeling-machine. M. E. Noyes. No. 897,845; Sept. 1; Sp. p. 1227; Dr. pp. 262-4; Gaz. vol. 136; p. 195.
 Labeling-machine. E. P. Sayre. No. 897,933; Sept. 8; Sp. p. 1431; Dr. p. 306; Gaz. vol. 136; p. 256.
 Labeling-machine. F. O. Woodland. No. 900,816; Oct. 13; Sp. p. 1590; Dr. p. 323; Gaz. vol. 136; p. 1345.
 Labeling-machine. J. R. Harbeck. No. 902,578; Nov. 3; Sp. p. 90; Gaz. vol. 137; p. 15.
 Labeling-machine. F. H. House and E. Dietz. No. 906,631; Dec. 15; Sp. p. 2930; Gaz. vol. 137; p. 1529.
 Labeling-machine. H. Schapekahn and O. Schell. No. 907,705; Dec. 22; Sp. p. 5112; Gaz. vol. 137; p. 1916.
 Labeling machine, Bottle-. G. A. Hoffman. No. 888,894; May 26; Sp. p. 5201; Dr. pp. 1103-4; Gaz. vol. 134; p. 931.
 Labeling machine, Bottle-. E. Ermold. No. 893,317; July 14; Sp. p. 1868; Dr. pp. 390-2; Gaz. vol. 135; p. 337.
 Labeling machine, Bottle-. W. F. Ruwell. No. 903,322; Nov. 10; Sp. p. 1562; Gaz. vol. 137; p. 289.
 Labeling machine, Can-. S. E. and W. W. Morral. No. 900,114; Oct. 6; Sp. p. 89; Dr. p. 18; Gaz. vol. 136; p. 1088.
 Laboratory apparatus, Electrical. C. H. Thordarson. No. 898,529; Sept. 15; Sp. p. 2602; Dr. p. 555; Gaz. vol. 136; p. 479.
 Laboratory apparatus, Physical. L. E. Knott. No. 885,763; Apr. 28; Sp. p. 4313; Dr. p. 904; Gaz. vol. 133; p. 1961.
 Lace and similar fabrics, Machine for stretching and pressing. A. C. Dee. No. 878,712; Feb. 11; Sp. p. 1746; Dr. p. 361; Gaz. vol. 132; p. 1153.
 Lace and tongue-stay, Shoe-. H. Downer. No. 878,129; Feb. 4; Sp. p. 469; Dr. p. 100; Gaz. vol. 132; p. 925.
 Lace-fastener. S. Loe. No. 887,669; May 12; Sp. p. 2710; Dr. p. 573; Gaz. vol. 134; p. 467.
 Lace-fastener. S. Loe. No. 907,257; Dec. 22; Sp. p. 4172; Gaz. vol. 137; p. 1768.
 Lace fastener, Shoe-. G. H. Nicholls. No. 880,323; Feb. 25; Sp. p. 5011; Dr. p. 1057; Gaz. vol. 132; p. 1750.
 Lace fastener, Shoe-. G. H. Nicholls. No. 882,479; Mar. 17; Sp. p. 3935; Dr. p. 841; Gaz. vol. 133; p. 712.
 Lace fastener, Shoe-. M. B. Loller. No. 882,701; Mar. 24; Sp. p. 4385; Dr. p. 933; Gaz. vol. 133; p. 819.
 Lace fastener, Shoe-. R. Gayton. No. 886,792; May 5; Sp. p. 947; Dr. p. 197; Gaz. vol. 134; p. 154.
 Lace fastener, Shoe-. O. Howard. No. 891,069; June 16; Sp. p. 3818; Dr. p. 833; Gaz. vol. 134; p. 1728.
 Lace fastening, Shoe-. C. M. Bowman. No. 890,490; June 9; Sp. p. 2593; Dr. p. 575; Gaz. vol. 134; p. 1504.
 Lace-hook. G. T. Houghland. No. 887,942; May 19; Sp. p. 3268; Dr. p. 686; Gaz. vol. 134; p. 538.
 Lace-retaining device. J. A. Elphinstone. No. 888,978; May 26; Sp. p. 5362; Dr. p. 1138; Gaz. vol. 134; p. 957.
 Laces, Tension device for shoe-. R. Dorothy. No. 889,770; June 2; Sp. p. 1132; Dr. p. 263; Gaz. vol. 134; p. 1242.
 Lacing. F. W. Whitcher. No. 902,190; Oct. 27; Sp. p. 4433; Dr. p. 897; Gaz. vol. 136; p. 1857.
 Lacing and tongue holder, Combined shoe. C. J. Key. No. 879,272; Feb. 18; Sp. p. 2821; Dr. p. 591; Gaz. vol. 132; p. 1373.
 Lacing attachment for shoe-trees. J. A. Wallace. No. 878,581; Feb. 11; Sp. p. 1488; Dr. p. 301; Gaz. vol. 133; p. 1110.
 Lacing device. B. Ferris. No. 895,546; Aug. 11; Sp. p. 1551; Dr. p. 327; Gaz. vol. 135; p. 1174.
 Lacing device. R. J. Evans. No. 904,416; Nov. 17; Sp. p. 3850; Gaz. vol. 137; p. 685.
 Lacing-fastening. W. W. Munsell. No. 899,888; Sept. 29; Sp. p. 5266; Dr. p. 1127; Gaz. vol. 136; p. 984.
 Lacing-holder for wearing-apparel. F. B. Almy. No. 888,454; May 26; Sp. p. 4259; Dr. p. 902; Gaz. vol. 134; p. 783.
 Lacing-hook. E. B. Stimpson. No. 880,251; Feb. 25; Sp. p. 4879; Dr. p. 1032; Gaz. vol. 132; p. 1728.
 Lacing-hook. J. C. Lehmann. No. 881,421; Mar. 10; Sp. p. 1853; Dr. p. 403; Gaz. vol. 133; p. 339.
 Lacing-hook. W. T. Richards. No. 884,682; Apr. 14; Sp. p. 2086; Dr. p. 445; Gaz. vol. 133; p. 1551.
 Lacing-hook. C. H. Upson. No. 892,019; June 30; Sp. p. 5766; Dr. p. 1239; Gaz. vol. 134; p. 2103.
 Lacing-hook. F. A. Herrick. No. 904,479; Nov. 17; Sp. p. 3978; Gaz. vol. 137; p. 706.
 Lacing-hook-making machine. H. H. Eaton and G. Goddu. No. 900,918; Oct. 13; Sp. p. 1805; Dr. pp. 365-7; Gaz. vol. 136; p. 1377.
 Lacing-hook-setting machine. W. H. Kingston. No. 876,063; Jan. 7; Sp. p. 728; Dr. p. 156; Gaz. vol. 132; p. 126.
 Lacing-hook-setting machine. S. E. Taft. No. 883,256; Mar. 31; Sp. p. 5512; Dr. pp. 1175-7; Gaz. vol. 133; p. 1031.
 Lacing-hook-setting machine. W. F. Fraser. No. 885,919; Apr. 28; Sp. p. 4632; Dr. pp. 973-6; Gaz. vol. 133; p. 2013.
 Lacing-hook-setting machine. J. E. Perrault. No. 899,067; Sept. 22; Sp. p. 3590; Dr. p. 770; Gaz. vol. 136; p. 680.
 Lacing-hook-setting machine. W. Simpson and W. C. Bray. No. 899,137; Sept. 22; Sp. p. 3737; Dr. pp. 800-1; Gaz. vol. 136; p. 704.
 Lacing-hook-setting machine. S. E. Taft. No. 900,795; Oct. 13; Sp. p. 1539; Dr. p. 313; Gaz. vol. 136; p. 1337.
 Lacing-hook-setting machine. W. F. Fraser. No. 902,811; Nov. 3; Sp. p. 532; Gaz. vol. 137; p. 93.
 Lacing-hook-setting machines, Clutch mechanism for. S. E. Taft. No. 884,051; Apr. 7; Sp. p. 772; Dr. p. 161; Gaz. vol. 133; p. 1316.
 Lacing-hook-setting machines, Clutch mechanism for. S. E. Taft. No. 887,544; May 12; Sp. p. 2475; Dr. pp. 522-3; Gaz. vol. 134; p. 426.
 Lacing-hooks and the like, Device for feeding. W. F. Fraser. No. 901,434; Oct. 20; Sp. p. 2860; Dr. p. 584; Gaz. vol. 136; p. 1582.
 Lacing-loop. C. A. Heim. No. 877,564; Jan. 28; Sp. p. 3866; Dr. p. 836; Gaz. vol. 132; p. 715.
 Lacing-loop for shoes, &c. W. A. Hayden. No. 902,399; Oct. 27; Sp. p. 4868; Dr. p. 986; Gaz. vol. 136; p. 1925.
 Lacing stud, Shoe-. H. C. Dillard. No. 890,502; June 9; Sp. p. 2621; Dr. p. 581; Gaz. vol. 134; p. 1508.
 Lacing, Temporary shoe-. J. W. Washburn, F. P. Roney, and B. H. Børreson. No. 882,919; Mar. 24; Sp. p. 4836; Dr. p. 1026; Gaz. vol. 133; p. 889.
 Lacing, Device for forming belt-. L. Vyne. No. 891,884; June 30; Sp. p. 5502; Dr. p. 1189; Gaz. vol. 134; p. 2060.
 Lacing, Machine for manufacturing shoe or similar. W. H. Church. No. 895,724; Aug. 11; Sp. p. 1898; Dr. pp. 402-4; Gaz. vol. 135; p. 1232.
 Lacrosse-stick. D. Cerl. No. 891,513; June 30; Sp. p. 5362; Dr. p. 1161; Gaz. vol. 134; p. 2037.
 Ladder. H. Adler. No. 884,120; Apr. 7; Sp. p. 944; Dr. p. 193; Gaz. vol. 133; p. 1339.
 Ladder. W. Jones. No. 884,163; Apr. 7; Sp. p. 1048; Dr. p. 218; Gaz. vol. 133; p. 1353.
 Ladder. J. Waters. No. 886,282; Apr. 28; Sp. p. 5352; Dr. p. 1125; Gaz. vol. 133; p. 2133.
 Ladder. R. R. Jones. No. 886,514; May 5; Sp. p. 340; Dr. p. 70; Gaz. vol. 134; p. 63.
 Ladder. A. S. Asch. No. 888,383; May 19; Sp. p. 4093; Dr. p. 864; Gaz. vol. 134; p. 729.
 Ladder. C. D. Phipps. No. 891,729; June 23; Sp. p. 5172; Dr. p. 1116; Gaz. vol. 134; p. 1976.
 Ladder. J. R. Rupe. No. 891,736; June 23; Sp. p. 5184; Dr. p. 1120; Gaz. vol. 134; p. 1978.
 Ladder. W. J. Cooper. No. 892,980; July 14; Sp. p. 1195; Dr. p. 252; Gaz. vol. 135; p. 227.
 Ladder. L. W. Thompson. No. 900,232; Oct. 6; Sp. p. 325; Dr. pp. 67-8; Gaz. vol. 136; p. 1126.
 Ladder. T. C. Prouty. No. 907,401; Dec. 22; Sp. p. 4429; Gaz. vol. 137; p. 1815.
 Ladder. T. C. Prouty. No. 907,402; Dec. 22; Sp. p. 4432; Gaz. vol. 137; p. 1815.
 Ladder. R. A. Boyd. No. 908,387; Dec. 29; Sp. p. 6547; Gaz. vol. 137; p. 2174.
 Ladder and bench, Combination step-. L. C. Amberson. No. 895,934; Aug. 11; Sp. p. 2307; Dr. p. 491; Gaz. vol. 135; p. 1298.
 Ladder and bench, Combination step-. C. Goetter. No. 907,491; Dec. 22; Sp. p. 4635; Gaz. vol. 137; p. 1846.
 Ladder and step. P. Tiepolt. No. 901,755; Oct. 20; Sp. p. 3555; Dr. p. 720; Gaz. vol. 136; p. 1688.
 Ladder and trap-door mechanism. T. M. Houghton. No. 876,354; Jan. 14; Sp. p. 1324; Dr. p. 287; Gaz. vol. 132; p. 251.
 Ladder and washbench with ironing-board attachment, Combination step-. W. H. Johnson. No. 889,850; June 2; Sp. p. 1281; Dr. p. 294; Gaz. vol. 134; p. 1268.
 Ladder attachment. C. L. Thomas. No. 891,965; June 30; Sp. p. 5680; Dr. p. 1223; Gaz. vol. 134; p. 2085.
 Ladder attachment. E. J. Curran. No. 898,973; Sept. 15; Sp. p. 3423; Dr. p. 735; Gaz. vol. 136; p. 623.
 Ladder, Collapsible. W. J. Blundell. No. 878,332; Feb. 4; Sp. p. 893; Dr. p. 179; Gaz. vol. 132; p. 993.
 Ladder, Collapsible step-. J. M. Turner. No. 898,706; Sept. 15; Sp. p. 2946; Dr. p. 631; Gaz. vol. 136; p. 536.
 Ladder, Combination-. F. E. Scott. No. 891,379; June 23; Sp. p. 4451; Dr. p. 969; Gaz. vol. 134; p. 1861.
 Ladder, Combined step and extension. I. M. Harpster. No. 881,400; Mar. 10; Sp. p. 1815; Dr. p. 393; Gaz. vol. 133; p. 333.
 Ladder, Extension-. J. A. Cafisch. No. 882,371; Mar. 17; Sp. p. 3757; Dr. pp. 800-1; Gaz. vol. 133; p. 677.
 Ladder, Extension step-. A. C. Taylor. No. 886,737; May 5; Sp. p. 824; Dr. p. 170; Gaz. vol. 134; p. 137.
 Ladder, Fire-. A. L. Haines. No. 896,295; Aug. 18; Sp. p. 3013; Dr. p. 648; Gaz. vol. 135; p. 1437.
 Ladder, Fire-escape. H. C. Sponholz. No. 906,954; Dec. 15; Sp. p. 3551; Gaz. vol. 137; p. 1632.
 Ladder, Folding-. B. B. Neal. No. 896,569; Aug. 18; Sp. p. 3564; Dr. p. 766; Gaz. vol. 135; p. 1526.
 Ladder for freight-cars. J. A. Ryan. No. 902,331; Oct. 27; Sp. p. 4750; Dr. p. 958; Gaz. vol. 136; p. 1904.
 Ladder-jack. O. C. A. Block. No. 881,996; Mar. 17; Sp. p. 3035; Dr. p. 646; Gaz. vol. 133; p. 556.
 Ladder or inclined way for raising and lowering barrels, &c., Portable. J. Max. No. 876,373; Jan. 14; Sp. p. 1358; Dr. p. 296; Gaz. vol. 132; p. 257.
 Ladder rung and socket. L. E. Wells. No. 890,319; June 9; Sp. p. 2291; Dr. p. 505; Gaz. vol. 134; p. 1451.
 Ladder, Sectional. H. M. Ackley. No. 904,591; Nov. 24; Sp. p. 4225; Gaz. vol. 137; p. 769.
 Ladder, Step-. J. R. Rupe and W. F. Balzer. No. 877,867; Jan. 28; Sp. p. 4426; Dr. p. 964; Gaz. vol. 132; p. 811.
 Ladder, Step-. E. Rowe. No. 897,157; Aug. 25; Sp. p. 4804; Dr. p. 1023; Gaz. vol. 135; p. 1742.
 Ladder, step-ladder, and scaffold, Combined. C. Fatland. No. 896,286; Aug. 18; Sp. p. 2998; Dr. p. 645; Gaz. vol. 135; p. 1434.
 Ladder, step-ladder, and scaffolding, Combined. H. H. Thomson. No. 901,565; Oct. 20; Sp. p. 3141; Dr. pp. 641-2; Gaz. vol. 136; p. 1625.
 Ladders, Detachable shelf for store-. G. H. Ridout. No. 897,929; Sept. 8; Sp. p. 1422; Dr. p. 304; Gaz. vol. 136; p. 255.
 Ladle. M. H. Treadwell. No. 890,941; June 16; Sp. p. 3564; Dr. p. 777; Gaz. vol. 134; p. 1686.
 Ladle-carrier. C. H. Imboden and J. J. Lawlor. No. 878,002; Feb. 4; Sp. p. 211; Dr. p. 46; Gaz. vol. 132; p. 884.

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- Ladle-dauber. C. Bartholomai, W. G. Stockham, and G. R. Deming. No. 893,424; July 14; Sp. p. 2083; Dr. p. 437; Gaz. vol. 135; p. 372.
- Ladle for molten metal. G. A. Hassel. No. 891,542; June 23; Sp. p. 4778; Dr. p. 1034; Gaz. vol. 134; p. 1914.
- Ladle-tipping apparatus, Foundry-. W. Brüggmann. No. 896,054; Aug. 11; Sp. p. 2547; Dr. p. 551; Gaz. vol. 135; p. 1338.
- Lag-indicator. W. H. Freedman. No. 903,966; Nov. 17; Sp. p. 2908; Gaz. vol. 137; p. 531.
- Lakes, Making. E. Ulrichs. No. 890,254; June 9; Sp. p. 2134; Gaz. vol. 134; p. 1429.
- Lamp. A. L. Glaentzer. No. 878,376; Feb. 4; Sp. p. 973; Dr. p. 195-6; Gaz. vol. 132; p. 1007.
- Lamp. H. E. Fine. No. 882,146; Mar. 17; Sp. p. 3317; Dr. p. 706; Gaz. vol. 133; p. 604.
- Lamp. F. W. Kearsey. No. 883,720; Apr. 7; Sp. p. 86; Dr. p. 13; Gaz. vol. 133; p. 1206.
- Lamp. E. N. Lebowitz. No. 885,495; Apr. 21; Sp. p. 3737; Dr. p. 787; Gaz. vol. 133; p. 1846.
- Lamp. E. H. Palmer and W. A. Willits. No. 885,699; Apr. 21; Sp. p. 4166; Dr. p. 872; Gaz. vol. 133; p. 1909.
- Lamp. E. P. White and C. L. Stover. No. 886,749; May 5; Sp. p. 851; Dr. p. 177; Gaz. vol. 134; p. 141.
- Lamp. R. M. Dixon. No. 887,468; May 12; Sp. p. 2323; Dr. p. 487; Gaz. vol. 134; p. 401.
- Lamp. W. S. Ryan. No. 887,698; May 12; Sp. p. 2756; Dr. p. 582; Gaz. vol. 134; p. 477.
- Lamp. R. E. Bruckner. No. 888,691; May 26; Sp. p. 4761; Dr. p. 1013; Gaz. vol. 134; p. 863.
- Lamp. S. B. and H. Clarke. No. 896,275; Aug. 18; Sp. p. 2959; Dr. p. 637; Gaz. vol. 135; p. 1431.
- Lamp. H. La Vine. No. 907,613; Dec. 22; Sp. p. 4890; Gaz. vol. 137; p. 1885.
- Lamp, Acetylene-gas-generating. E. M. Rosenbluth. No. 897,155; Aug. 25; Sp. p. 4800; Dr. p. 1022; Gaz. vol. 135; p. 1742.
- Lamp adjustable support, Vapor-. S. E. Elichtner. No. 900,719; Oct. 13; Sp. p. 1389; Dr. p. 283; Gaz. vol. 136; p. 1313.
- Lamp adjustable support, Vapor-. S. E. Elichtner. No. 901,288; Oct. 13; Sp. p. 2519; Dr. p. 517; Gaz. vol. 136; p. 1496.
- Lamp. Alcohol-. A. Rector. No. 877,862; Jan. 28; Sp. p. 4415; Dr. pp. 961-2; Gaz. vol. 132; p. 809.
- Lamp, Alcohol-gas. H. C. Laying. No. 885,263; Apr. 21; Sp. p. 3285; Dr. p. 687; Gaz. vol. 133; p. 1772.
- Lamp and burner. C. F. Fellows. No. 889,779; June 2; Sp. p. 1146; Dr. p. 266; Gaz. vol. 134; p. 1244.
- Lamp and lantern. C. Bergener. No. 880,184; Feb. 25; Sp. p. 4731; Dr. p. 1001; Gaz. vol. 132; p. 1704.
- Lamp and lantern. W. S. Hamm. No. 891,249; June 23; Sp. p. 4176; Dr. p. 915; Gaz. vol. 134; p. 1818.
- Lamp and lantern. W. S. Hamm. No. 891,250; June 23; Sp. p. 4177; Dr. p. 915; Gaz. vol. 134; p. 1818.
- Lamp and lantern. C. Bergener. (Reissue). No. 12,593; Dec. 15; Sp. p. 3536; Gaz. vol. 137; p. 1682.
- Lamp and lighting device for automobiles and other vehicles, Acetylene-. S. M. Meyer. No. 875,942; Jan. 7; Sp. p. 486; Dr. p. 105; Gaz. vol. 132; p. 88.
- Lamp and the like, Marine signaling-. H. Endali. No. 897,823; Sept. 1; Sp. p. 1184; Dr. p. 251; Gaz. vol. 136; p. 188.
- Lamp, Arc-. G. W. Gravens. No. 876,945; Jan. 21; Sp. p. 2586; Dr. p. 563; Gaz. vol. 132; p. 489.
- Lamp, Arc-. O. Kónitzer. No. 879,180; Feb. 18; Sp. p. 2654; Dr. p. 553; Gaz. vol. 132; p. 1343.
- Lamp, Arc-. J. Händel. No. 885,338; Apr. 21; Sp. p. 3447; Dr. p. 719; Gaz. vol. 133; p. 1797.
- Lamp, Arc-. W. S. Weedon. No. 889,162; May 26; Sp. p. 57-5; Dr. p. 1214; Gaz. vol. 134; p. 1016.
- Lamp, Arc-. R. Fleming. No. 890,763; June 16; Sp. p. 3202; Dr. p. 699; Gaz. vol. 134; p. 1628.
- Lamp, Arc-. B. A. Stowe. No. 895,594; Aug. 11; Sp. p. 1640; Dr. p. 346; Gaz. vol. 135; p. 1189.
- Lamp, Arc-. G. N. Chamberlin. No. 896,274; Aug. 18; Sp. p. 2956; Dr. p. 637; Gaz. vol. 135; p. 1430.
- Lamp, Arc-. R. Scott. No. 896,417; Aug. 18; Sp. p. 3265; Dr. p. 700; Gaz. vol. 135; p. 1476.
- Lamp, Arc-. C. P. Steinmetz and J. T. H. Dempster. No. 896,698; Aug. 18; Sp. p. 3808; Dr. p. 823; Gaz. vol. 135; p. 1565.
- Lamp, Arc-. L. Očenásek. No. 896,935; Aug. 25; Sp. p. 4350; Dr. p. 932; Gaz. vol. 135; p. 1669.
- Lamp, Arc-. J. A. Dalzell and C. E. Harthan. No. 900,709; Oct. 13; Sp. p. 1368; Dr. p. 279; Gaz. vol. 136; p. 1310.
- Lamp, Arc-. R. Fleming and C. A. B. Halvorson, Jr. No. 900,718; Oct. 13; Sp. p. 1386; Dr. p. 282; Gaz. vol. 136; p. 1313.
- Lamp, Arc-. G. E. Stevens. No. 900,793; Oct. 13; Sp. p. 1536; Dr. p. 312; Gaz. vol. 136; p. 1336.
- Lamp, Arc-. R. Fleming and C. A. B. Halvorson, Jr. No. 901,529; Oct. 20; Sp. p. 3073; Dr. p. 628; Gaz. vol. 136; p. 1614.
- Lamp, Arc-. R. P. Myers. No. 902,990; Nov. 3; Sp. p. 927; Gaz. vol. 137; p. 153.
- Lamp, Arc-. C. C. Hughes. No. 903,861; Nov. 17; Sp. p. 2669; Gaz. vol. 137; p. 495.
- Lamp, Arc-. E. O. Dworak. No. 904,185; Nov. 17; Sp. p. 3374; Gaz. vol. 137; p. 607.
- Lamp, Arc-. C. A. B. Halvorson, Jr. No. 905,514; Dec. 1; Sp. p. 821; Gaz. vol. 137; p. 1114.
- Lamp, Arc-. C. A. B. Halvorson, Jr. No. 905,515; Dec. 1; Sp. p. 823; Gaz. vol. 137; p. 1114.
- Lamp, Arc-. J. T. H. Dempster. No. 905,800; Dec. 1; Sp. p. 1353; Gaz. vol. 137; p. 1206.
- Lamp attachment. W. D. Markham. No. 886,323; Apr. 28; Sp. p. 5447; Dr. p. 1142; Gaz. vol. 133; p. 2148.
- Lamp attachment. H. J. Schanick. No. 900,127; Oct. 6; Sp. p. 124; Dr. p. 26; Gaz. vol. 136; p. 1092.
- Lamp attachment. F. L. Kuhn. No. 908,015; Dec. 29; Sp. p. 5753; Gaz. vol. 137; p. 2047.
- Lamp, Automobile-. L. Blériot. No. 881,892; Mar. 17; Sp. p. 2819; Dr. pp. 601-2; Gaz. vol. 133; p. 522.
- Lamp, Automobile-. J. Markman. No. 901,921; Oct. 20; Sp. p. 3859; Dr. p. 787; Gaz. vol. 136; p. 1740.
- Lamp-base. T. W. Frech, Jr. No. 875,796; Jan. 7; Sp. p. 230; Dr. p. 50; Gaz. vol. 132; p. 42.
- Lamp bases, Manufacture of incandescent-. M. M. Merritt. No. 882,258; Mar. 17; Sp. p. 3546; Dr. p. 752; Gaz. vol. 133; p. 640.
- Lamp-bracket. E. M. Rosenbluth. No. 883,973; Apr. 7; Sp. p. 617; Dr. p. 123; Gaz. vol. 133; p. 1290.
- Lamp bracket, Signal-. F. W. Edmunds. No. 901,284; Oct. 13; Sp. p. 2510; Dr. p. 515; Gaz. vol. 136; p. 1494.
- Lamp, Brazier's. J. A. Shores. No. 905,009; Nov. 24; Sp. p. 5106; Gaz. vol. 137; p. 910.
- Lamp-burner. J. A. Helsabeck. No. 878,063; Feb. 4; Sp. p. 344; Dr. p. 72; Gaz. vol. 132; p. 904.
- Lamp-burner. J. M. Beadles. No. 881,103; Mar. 10; Sp. p. 1221; Dr. p. 263; Gaz. vol. 133; p. 237.
- Lamp-burner. H. L. Swazey and M. B. Pinkham. No. 881,265; Mar. 10; Sp. p. 1543; Dr. p. 332; Gaz. vol. 133; p. 290.
- Lamp-burner. A. H. Handlan, Jr. No. 888,162; May 19; Sp. p. 3676; Dr. p. 768; Gaz. vol. 134; p. 657.
- Lamp-burner. G. H. Rolfe. No. 890,179; June 9; Sp. p. 1980; Dr. p. 437; Gaz. vol. 134; p. 1405.
- Lamp-burner. J. D. Westmoreland. No. 891,648; June 23; Sp. p. 5021; Dr. p. 1081; Gaz. vol. 134; p. 1950.
- Lamp-burner. C. E. Wirth. No. 901,139; Oct. 13; Sp. p. 2228; Dr. p. 453; Gaz. vol. 136; p. 1448.
- Lamp-burner. A. L. Edwards. No. 905,061; Nov. 24; Sp. p. 5191; Gaz. vol. 137; p. 927.
- Lamp burner, Oil-. J. and M. Lawson. No. 891,268; June 23; Sp. p. 4213; Dr. p. 921; Gaz. vol. 134; p. 1824.
- Lamp burner, Oil-. J. and M. Lawson. No. 896,645; Aug. 18; Sp. p. 3696; Dr. p. 794; Gaz. vol. 135; p. 1549.
- Lamp burner, Oil-. M. J. Hooper. No. 905,183; Dec. 1; Sp. p. 118; Gaz. vol. 137; p. 1003.
- Lamp, Classification and marker railway-. H. L. Piper. No. 887,122; May 12; Sp. p. 1560; Dr. pp. 330-1; Gaz. vol. 134; p. 286.
- Lamp control, Incandescent-. R. E. Kimball. No. 879,555; Feb. 18; Sp. p. 3420; Dr. p. 716; Gaz. vol. 132; p. 1465.
- Lamp controlling attachment, Heating-. L. W. Holmes and C. V. Trautman. No. 883,883; Apr. 7; Sp. p. 433; Dr. p. 85; Gaz. vol. 133; p. 1260.
- Lamp, Electric. J. De Martino. No. 876,922; Jan. 14; Sp. p. 2521; Dr. p. 551; Gaz. vol. 132; p. 441.
- Lamp, Electric-arc. J. A. Meaher. No. 875,833; Jan. 7; Sp. p. 291; Dr. p. 63; Gaz. vol. 132; p. 54.
- Lamp, Electric-arc. T. E. Adams. No. 880,435; Feb. 25; Sp. p. 5250; Dr. p. 1104; Gaz. vol. 132; p. 1788.
- Lamp, Electric-arc. L. C. H. Mensing. No. 881,015; Mar. 3; Sp. p. 1054; Dr. p. 229; Gaz. vol. 133; p. 179.
- Lamp, Electric-arc. H. Beck. No. 885,906; Apr. 28; Sp. p. 4595; Dr. p. 963; Gaz. vol. 133; p. 2008.
- Lamp, Electric-arc. V. W. Riley and H. W. Rowing. No. 887,127; May 12; Sp. p. 1566; Dr. p. 332; Gaz. vol. 134; p. 257.
- Lamp, Electric-arc. W. S. Weedon. No. 889,163; May 26; Sp. p. 5740; Dr. p. 1214; Gaz. vol. 134; p. 1017.
- Lamp, Electric-arc. C. P. Steinmetz. No. 892,768; July 7; Sp. p. 733; Dr. p. 155; Gaz. vol. 135; p. 127.
- Lamp, Electric-arc. F. M. Lewis. No. 894,158; July 21; Sp. p. 3700; Dr. p. 768; Gaz. vol. 135; p. 643.
- Lamp, Electric-arc. P. M. Capitaine. No. 897,960; Sept. 8; Sp. p. 1506; Dr. p. 319; Gaz. vol. 136; p. 266.
- Lamp, Electric-arc. R. E. Leve. No. 898,052; Sept. 8; Sp. p. 1680; Dr. p. 356; Gaz. vol. 136; p. 295.
- Lamp, Electric glow-. W. Nemst. No. 900,416; Oct. 6; Sp. p. 722; Dr. p. 151; Gaz. vol. 136; p. 1187.
- Lamp, &c., Electric glow-. F. Blau and H. Remané. No. 900,909; Oct. 13; Sp. p. 1790; Dr. p. 361; Gaz. vol. 136; p. 1374.
- Lamp, Electric incandescent. H. Kuzel. No. 886,821; May 5; Sp. p. 991; Dr. p. 208; Gaz. vol. 134; p. 162.
- Lamp, Electric incandescent. H. Kuzel and R. Hoke. No. 897,110; Aug. 25; Sp. p. 4714; Dr. p. 1004; Gaz. vol. 135; p. 1727.
- Lamp, Electric incandescent. F. W. Erickson. No. 904,609; Nov. 24; Sp. p. 4255; Gaz. vol. 137; p. 775.
- Lamp, Electrical incandescent. W. Nemst. No. 906,550; Dec. 15; Sp. p. 2782; Gaz. vol. 137; p. 1505.
- Lamp, Electrical incandescent. O. M. Thowless. No. 892,332; June 30; Sp. p. 6364; Dr. p. 1372; Gaz. vol. 134; p. 2207.
- Lamp electrode, Arc-. H. S. Hatfield and F. M. Lewis. No. 904,532; Nov. 24; Sp. p. 4113; Gaz. vol. 137; p. 749.
- Lamp-extinguisher. B. Kovacic. No. 905,543; Dec. 1; Sp. p. 878; Gaz. vol. 137; p. 1123.
- Lamp-extinguisher, Automatic. E. Brusseau. No. 897,712; Sept. 1; Sp. p. 952; Dr. p. 204; Gaz. vol. 136; p. 153.
- Lamp-extinguisher, Automatic. C. Older, W. S. Gearhart, and H. E. Bilger. No. 907,089; Dec. 15; Sp. p. 3783; Gaz. vol. 137; p. 1673.
- Lamp-fastening clamp. R. H. Welles. No. 894,300; July 28; Sp. p. 4039; Dr. p. 834; Gaz. vol. 135; p. 711.
- Lamp filament and its manufacture, Electric-incandescent-. F. M. F. Cazin. No. 879,085; Feb. 11; Sp. p. 2452; Dr. p. 511; Gaz. vol. 132; p. 1270.
- Lamp filament, Incandescent-. W. R. Whitney. No. 896,341; Aug. 18; Sp. p. 3105; Gaz. vol. 135; p. 1451.
- Lamp filaments and making the same, Electric-incandescent-. H. Kuzel. No. 896,060; Aug. 11; Sp. p. 2560; Gaz. vol. 135; p. 1340.

Alphabetical list of inventions—Continued.

- Lamp filaments and the product of such method, Method of producing electric-incandescent. F. M. F. Cazin. No. 877,172; Jan. 21; Sp. p. 3077; Dr. p. 666; Gaz. vol. 132; p. 566.
- Lamp filaments, Making electric. W. G. Clark and H. C. Parker. No. 876,331; Jan. 14; Sp. p. 1293; Gaz. vol. 132; p. 244.
- Lamp filaments, Making incandescent. W. G. Clark. No. 876,330; Jan. 14; Sp. p. 1282; Dr. p. 278; Gaz. vol. 132; p. 243.
- Lamp filaments, Making incandescent. W. G. Clark. No. 876,332; Jan. 14; Sp. p. 1285; Gaz. vol. 132; p. 244.
- Lamp filaments, Manufacturing metallized electric-incandescent. F. M. F. Cazin. No. 877,171; Jan. 21; Sp. p. 3071; Dr. p. 665; Gaz. vol. 132; p. 566.
- Lamp-filler. H. Ellis. No. 876,784; Jan. 14; Sp. p. 2231; Dr. p. 490; Gaz. vol. 132; p. 395.
- Lamp fixture, Incandescent. J. Stubbers. No. 901,494; Oct. 20; Sp. p. 3010; Dr. p. 614; Gaz. vol. 136; p. 1602.
- Lamp-fixture, Plural. F. J. Russell. No. 902,004; Oct. 27; Sp. p. 4065; Dr. p. 825; Gaz. vol. 136; p. 1799.
- Lamp, Flash. E. S. Caywood. No. 907,969; Dec. 29; Sp. p. 5654; Gaz. vol. 137; p. 2031.
- Lamp-font and match-holding device, Combined. J. Myers. No. 877,582; Jan. 28; Sp. p. 3905; Dr. p. 845; Gaz. vol. 132; p. 721.
- Lamp for alternating currents, Electric-arc. G. Szuk and W. Hackl. No. 885,400; Apr. 21; Sp. p. 3580; Dr. p. 749; Gaz. vol. 133; p. 1818.
- Lamp for helmets and similar head-coverings, Electric. J. H. Dräger. No. 902,216; Oct. 27; Sp. p. 4479; Dr. p. 906; Gaz. vol. 136; p. 1865.
- Lamp for inverted incandescent burners, Gas. A. S. Francis. No. 906,623; Dec. 15; Sp. p. 2914; Gaz. vol. 137; p. 1527.
- Lamp for stereopticons, &c., Arc. H. F. Patton. No. 904,640; Nov. 24; Sp. p. 4324; Gaz. vol. 137; p. 786.
- Lamp-fount-attaching device. W. T. Jones. No. 900,020; Sept. 29; Sp. p. 5555; Dr. p. 1183; Gaz. vol. 136; p. 1026.
- Lamp, Gas. R. W. Zierlein and W. Riechmann. No. 875,763; Jan. 7; Sp. p. 165; Dr. p. 36; Gaz. vol. 132; p. 32.
- Lamp, Gas. A. H. Humphrey. No. 878,397; Feb. 4; Sp. p. 1012; Dr. pp. 204-5; Gaz. vol. 132; p. 1014.
- Lamp, Gas. A. H. Humphrey. No. 878,398; Feb. 4; Sp. p. 1016; Dr. pp. 205-6; Gaz. vol. 132; p. 1015.
- Lamp, Gas. A. H. Humphrey. No. 880,797; Mar. 3; Sp. p. 620; Dr. p. 131; Gaz. vol. 132; p. 107.
- Lamp, Gas. R. M. Dixon. No. 881,666; Mar. 10; Sp. p. 2339; Dr. p. 507; Gaz. vol. 133; p. 420.
- Lamp, Gas. A. H. Humphrey. No. 892,261; June 30; Sp. p. 6228; Dr. p. 1342; Gaz. vol. 134; p. 2183.
- Lamp, Gas. A. Rector. No. 893,872; July 21; Sp. p. 3120; Dr. pp. 640-1; Gaz. vol. 135; p. 549.
- Lamp, Gas. C. W. Boyse. No. 898,312; Sept. 8; Sp. p. 2171; Dr. p. 461; Gaz. vol. 136; p. 375.
- Lamp, Gas. C. W. Boyse. No. 898,627; Sept. 15; Sp. p. 2798; Dr. p. 598; Gaz. vol. 136; p. 511.
- Lamp, Gas. R. W. Zierlein. No. 900,817; Oct. 13; Sp. p. 1599; Dr. p. 324; Gaz. vol. 136; p. 1346.
- Lamp, Gas. G. R. Fickert. No. 901,606; Oct. 20; Sp. p. 3219; Dr. p. 660; Gaz. vol. 136; p. 1638.
- Lamp, Gas. J. Miller. No. 907,626; Dec. 22; Sp. p. 4922; Gaz. vol. 137; p. 1889.
- Lamp, Gasolene. I. T. Smith. No. 885,799; Apr. 28; Sp. p. 4395; Dr. p. 920; Gaz. vol. 133; p. 1972.
- Lamp, Gasolene. J. J. Weyer. No. 896,425; Aug. 18; Sp. p. 3278; Dr. p. 703; Gaz. vol. 135; p. 1479.
- Lamp globe-cleaner, Arc. R. H. Read. No. 905,458; Dec. 1; Sp. p. 694; Gaz. vol. 137; p. 1096.
- Lamp-guard. P. Sorensen. No. 900,439; Oct. 6; Sp. p. 776; Dr. p. 160; Gaz. vol. 136; p. 1194.
- Lamp-guard, Incandescent-electric. W. H. Greenwood. No. 906,411; Dec. 8; Sp. p. 2515; Gaz. vol. 137; p. 1433.
- Lamp-hanger. W. R. Holcombe. No. 889,608; June 2; Sp. p. 826; Dr. p. 188; Gaz. vol. 134; p. 1191.
- Lamp-hanger, Electric. G. Cutler. No. 897,457; Sept. 1; Sp. p. 448; Dr. p. 96; Gaz. vol. 136; p. 71.
- Lamp, High-power. T. J. Little, Jr. No. 895,032; Aug. 4; Sp. p. 523; Dr. p. 106; Gaz. vol. 135; p. 980.
- Lamp holder, Switch. F. W. Edmunds. No. 901,283; Oct. 13; Sp. p. 2508; Dr. p. 514; Gaz. vol. 136; p. 1494.
- Lamp holders, Automatic circuit-closer for electric. W. D. and L. C. Tickner. No. 900,613; Oct. 6; Sp. p. 1167; Dr. p. 238; Gaz. vol. 136; p. 1251.
- Lamp, Hydrocarbon. W. Tures. No. 883,152; Mar. 24; Sp. p. 5290; Dr. p. 1128; Gaz. vol. 133; p. 966.
- Lamp, Hydrocarbon. M. W. Pitner. No. 906,922; Dec. 15; Sp. p. 3488; Gaz. vol. 137; p. 1622.
- Lamp-lighting device, Miner's-safety. F. A. Wicke and R. Gartenmeister. No. 908,432; Dec. 29; Sp. p. 6642; Gaz. vol. 137; p. 2190.
- Lamp, Incandescent. A. G. Fell. No. 879,157; Feb. 18; Sp. p. 2601; Dr. p. 542; Gaz. vol. 132; p. 1334.
- Lamp, Incandescent. M. M. Merritt. No. 882,257; Mar. 17; Sp. p. 3543; Dr. p. 752; Gaz. vol. 133; p. 640.
- Lamp, Incandescent. W. W. Dean. No. 894,193; July 28; Sp. p. 3801; Dr. p. 787; Gaz. vol. 135; p. 675.
- Lamp, Incandescent. E. G. Gilson. No. 894,625; July 28; Sp. p. 4691; Dr. p. 974; Gaz. vol. 135; p. 818.
- Lamp, Incandescent. F. M. Bennett. No. 898,715; Sept. 15; Sp. p. 2962; Dr. p. 635; Gaz. vol. 136; p. 539.
- Lamp, Incandescent. H. Gernsbach. No. 902,069; Oct. 27; Sp. p. 4188; Dr. p. 848; Gaz. vol. 136; p. 1819.
- Lamp, Incandescent. J. W. Howell. No. 903,860; Nov. 17; Sp. p. 2667; Gaz. vol. 137; p. 495.
- Lamp, Incandescent. J. W. Howell. No. 904,482; Nov. 17; Sp. p. 3984; Gaz. vol. 137; p. 707.
- Lamp, Incandescent. A. Swan. No. 905,478; Dec. 1; Sp. p. 741; Gaz. vol. 137; p. 1103.
- Lamp, Incandescent electric. H. C. Parker and W. G. Clark. No. 876,390; Jan. 14; Sp. p. 1406; Dr. p. 304; Gaz. vol. 132; p. 263.
- Lamp, Incandescent electric. M. D. Jones. No. 887,943; May 19; Sp. p. 3270; Dr. p. 687; Gaz. vol. 134; p. 588.
- Lamp, Incandescent electric. W. R. Whitney. No. 902,032; Oct. 27; Sp. p. 4119; Dr. p. 834; Gaz. vol. 136; p. 1807.
- Lamp, Incandescent electric. H. J. Jaeger. No. 905,703; Dec. 1; Sp. p. 1170; Gaz. vol. 137; p. 1173.
- Lamp, Incandescent gas. H. M. Eagon. No. 876,444; Jan. 14; Sp. p. 1530; Dr. p. 329; Gaz. vol. 132; p. 282.
- Lamp, Incandescent gas. H. Stissmann. No. 886,271; Apr. 28; Sp. p. 5325; Dr. p. 1121; Gaz. vol. 133; p. 2129.
- Lamp, Inverted gas. E. R. Wilner. No. 882,222; Mar. 17; Sp. p. 3471; Dr. p. 738; Gaz. vol. 133; p. 627.
- Lamp, Inverted incandescent gas. M. Graetz. No. 897,616; Sept. 1; Sp. p. 771; Dr. p. 163; Gaz. vol. 136; p. 122.
- Lamp, Inverted incandescent gas or vapor. L. Liais. No. 901,629; Oct. 20; Sp. p. 3267; Dr. p. 670; Gaz. vol. 136; p. 1645.
- Lamp, Inverted incandescent or glow. A. J. Hofmann. No. 896,020; Aug. 11; Sp. p. 2492; Dr. p. 339; Gaz. vol. 135; p. 1326.
- Lamp, lantern, and heater. H. A. Watkins. No. 884,305; Apr. 7; Sp. p. 1281; Dr. p. 271; Gaz. vol. 133; p. 1397.
- Lamp-lighting and extinguishing apparatus, Gas. H. H. Johnson and E. Moine. No. 902,411; Oct. 27; Sp. p. 4891; Dr. p. 990; Gaz. vol. 136; p. 1929.
- Lamp-lighting mechanism, Time. M. W. Lewis. No. 891,999; June 30; Sp. p. 5734; Dr. pp. 1233-4; Gaz. vol. 134; p. 2097.
- Lamp luminant and manufacturing it, Electric-incandescent. F. M. F. Cazin. No. 879,083; Feb. 11; Sp. p. 2442; Dr. p. 511; Gaz. vol. 132; p. 1269.
- Lamp, Miner's. C. Murray. No. 884,191; Apr. 7; Sp. p. 1093; Dr. p. 228; Gaz. vol. 133; p. 1361.
- Lamp, Miner's. R. L. Graves. No. 886,204; Apr. 28; Sp. p. 5199; Dr. p. 1095; Gaz. vol. 133; p. 2106.
- Lamp, Miner's. S. J. Thompson. No. 886,441; May 5; Sp. p. 196; Dr. p. 42; Gaz. vol. 134; p. 37.
- Lamp, Miner's. W. Tunnessen. No. 888,768; May 26; Sp. p. 4902; Dr. p. 1044; Gaz. vol. 134; p. 888.
- Lamp, Miner's. A. Husson. No. 892,836; July 7; Sp. p. 884; Dr. p. 189; Gaz. vol. 135; p. 149.
- Lamp, Miner's. A. Brile. No. 894,587; July 28; Sp. p. 4602; Dr. p. 954; Gaz. vol. 135; p. 805.
- Lamp, Multiple incandescent gas. J. A. Brandt. No. 905,403; Dec. 1; Sp. p. 545; Gaz. vol. 137; p. 1077.
- Lamp, Portable electric. J. R. Hershey and N. H. Smith. No. 908,262; Dec. 29; Sp. p. 6276; Gaz. vol. 137; p. 2130.
- Lamp, Railway. J. F. McCann. No. 878,986; Feb. 11; Sp. p. 2258; Dr. p. 472; Gaz. vol. 132; p. 1239.
- Lamp-receptacle. A. A. Moffitt. No. 889,322; June 2; Sp. p. 252; Dr. p. 61; Gaz. vol. 134; p. 1099.
- Lamp receptacle, Electric. H. E. Plass. No. 876,233; Jan. 7; Sp. p. 1064; Dr. p. 230; Gaz. vol. 132; p. 180.
- Lamp receptacle, Incandescent. G. W. Goodridge. No. 876,169; Jan. 7; Sp. p. 941; Dr. p. 202; Gaz. vol. 132; p. 160.
- Lamp-receptacle, Outdoor. J. S. Stewart. No. 875,964; Jan. 7; Sp. p. 539; Dr. p. 115; Gaz. vol. 132; p. 95.
- Lamp-receptacles, Means for supporting. J. S. Stewart. No. 886,267; Apr. 28; Sp. p. 5316; Dr. p. 1119; Gaz. vol. 133; p. 2128.
- Lamp-reducer. C. Wirt. No. 904,826; Nov. 24; Sp. p. 4723; Gaz. vol. 137; p. 849.
- Lamp-regulating mechanism, Arc. E. P. Warner and C. Wiler. No. 892,475; July 7; Sp. p. 164; Dr. p. 35; Gaz. vol. 135; p. 32.
- Lamp, Revolving. C. C. Clifton. No. 898,322; Sept. 8; Sp. p. 2186; Dr. p. 464; Gaz. vol. 136; p. 378.
- Lamp, Revolving flash. E. E. Adams. No. 882,442; Mar. 17; Sp. p. 3871; Dr. p. 827; Gaz. vol. 133; p. 700.
- Lamp, Safety. A. G. R. Williams. No. 879,934; Feb. 25; Sp. p. 4248; Dr. p. 888; Gaz. vol. 132; p. 1624.
- Lamp safety device. O. F. W. Puerner. No. 895,789; Aug. 11; Sp. p. 2042; Dr. p. 434; Gaz. vol. 135; p. 1252.
- Lamp shade and socket, Incandescent. B. P. Rucker. No. 900,426; Oct. 6; Sp. p. 738; Dr. p. 154; Gaz. vol. 136; p. 1190.
- Lamp shade attachment, Electric-incandescent. A. F. W. Meyer. No. 888,521; May 26; Sp. p. 4385; Dr. p. 929; Gaz. vol. 134; p. 805.
- Lamp-shade holder. J. Cruikshank. No. 897,194; Aug. 25; Sp. p. 4862; Dr. p. 1034; Gaz. vol. 135; p. 1753.
- Lamp-shade holder, Electric. F. Overbagh, F. E. Ayres, and I. H. Brent. No. 903,401; Nov. 10; Sp. p. 1717; Gaz. vol. 137; p. 314.
- Lamp shade, Incandescent. E. B. Lewis. No. 877,784; Jan. 28; Sp. p. 4271; Dr. p. 928; Gaz. vol. 132; p. 785.
- Lamp shade or reflector. J. C. Norris. No. 901,641; Oct. 20; Sp. p. 3290; Dr. p. 675; Gaz. vol. 136; p. 1649.
- Lamp shades and kindred articles, Glass-mount for. R. F. Crooke. No. 901,690; Oct. 20; Sp. p. 3426; Dr. p. 695; Gaz. vol. 136; p. 1668.
- Lamp-socket. W. C. Trengon. No. 885,890; Apr. 28; Sp. p. 4562; Dr. p. 957; Gaz. vol. 133; p. 2003.
- Lamp-socket attachment, Incandescent. H. H. Ham. No. 904,476; Nov. 17; Sp. p. 3973; Gaz. vol. 137; p. 705.
- Lamp socket, Cluster. R. B. Benjamin. No. 883,777; Apr. 7; Sp. p. 187; Dr. p. 35; Gaz. vol. 133; p. 1224.
- Lamp socket, Cluster. C. D. Gervin. No. 897,614; Sept. 1; Sp. p. 768; Dr. p. 162; Gaz. vol. 136; p. 121.
- Lamp socket, Electric. R. B. Benjamin. No. 879,724; Feb. 18; Sp. p. 3776; Dr. p. 792; Gaz. vol. 132; p. 1520.
- Lamp socket, Electric. G. W. Goodridge. No. 879,819; Feb. 18; Sp. p. 3958; Dr. p. 828; Gaz. vol. 132; p. 1551.
- Lamp socket, Electric. C. G. Burton. No. 881,297; Mar. 10; Sp. p. 1616; Dr. p. 346; Gaz. vol. 133; p. 301.

- Lamp-socket, Electric-. M. Norden. No. 884,102; Apr. 7; Sp. p. 877; Dr. p. 185; Gaz. vol. 133; p. 1333.
- Lamp socket, Electric-. J. H. Hanson. No. 892,721; July 7; Sp. p. 644; Dr. p. 137; Gaz. vol. 135; p. 112.
- Lamp socket, Incandescent-. F. E. Seeley. (Reissue.) No. 12,757; Mar. 3; Sp. p. 1219; Dr. p. 262; Gaz. vol. 133; p. 207.
- Lamp socket, Incandescent-. W. F. Ritter. No. 893,873; July 21; Sp. p. 3122; Dr. p. 641; Gaz. vol. 135; p. 549.
- Lamp socket, Incandescent-. W. F. Wegner. No. 897,805; Sept. 1; Sp. p. 1152; Dr. p. 245; Gaz. vol. 136; p. 182.
- Lamp socket, Incandescent-electric-. G. B. McBean. No. 903,141; Nov. 3; Sp. p. 1207; Gaz. vol. 137; p. 198.
- Lamp socket, Incandescent-electric-. G. W. Goodridge. No. 907,782; Dec. 29; Sp. p. 5265; Gaz. vol. 137; p. 1971.
- Lamp-socket, Plural. R. B. Benjamin. (Reissue.) No. 12,765; Mar. 24; Sp. p. 5306; Dr. p. 1132; Gaz. vol. 133; p. 969.
- Lamp-socket, Plural. R. B. Benjamin. (Reissue.) No. 12,766; Mar. 24; Sp. p. 5309; Dr. p. 1133; Gaz. vol. 133; p. 969.
- Lamp-socket, Plural. E. A. Lefebvre, Jr. No. 896,122; Aug. 18; Sp. p. 2675; Dr. p. 577; Gaz. vol. 135; p. 1381.
- Lamp-socket, Plural. R. B. Benjamin. No. 898,822; Sept. 15; Sp. p. 3157; Dr. p. 675; Gaz. vol. 136; p. 573.
- Lamp-socket, Plural. R. B. Benjamin. No. 898,823; Sept. 15; Sp. p. 3159; Dr. p. 676; Gaz. vol. 136; p. 574.
- Lamp-socket, Plural. R. B. Benjamin. No. 898,824; Sept. 15; Sp. p. 3161; Dr. p. 676; Gaz. vol. 136; p. 574.
- Lamp-socket, Plural. R. B. Benjamin. No. 898,825; Sept. 15; Sp. p. 3163; Dr. p. 676; Gaz. vol. 136; p. 574.
- Lamp-socket, Plural. R. B. Benjamin. No. 898,826; Sept. 15; Sp. p. 3165; Dr. p. 677; Gaz. vol. 136; p. 575.
- Lamp-socket tool, Electric-. G. W. Goodridge. No. 906,408; Dec. 8; Sp. p. 2512; Gaz. vol. 137; p. 1432.
- Lamp sockets, Adapter for incandescent-. M. M. Wood. No. 888,378; May 19; Sp. p. 4086; Dr. p. 862; Gaz. vol. 134; p. 727.
- Lamp-sockets, Means for securing cords to. F. A. Swan. No. 877,383; Jan. 21; Sp. p. 3482; Dr. p. 756; Gaz. vol. 132; p. 634.
- Lamp-stand, Wooden. J. W. Haley. No. 887,091; May 12; Sp. p. 1506; Dr. p. 319; Gaz. vol. 134; p. 277.
- Lamp starting device, Mercury-. C. P. Steinmetz. No. 885,882; Apr. 28; Sp. p. 4552; Dr. p. 954; Gaz. vol. 133; p. 2001.
- Lamp, Switchboard signal-. E. B. Craft. No. 899,514; Sept. 29; Sp. p. 4476; Dr. p. 961; Gaz. vol. 136; p. 861.
- Lamp, Tubular. C. L. Betts. No. 888,139; May 19; Sp. p. 3639; Dr. p. 762; Gaz. vol. 134; p. 650.
- Lamp, Tubular. C. L. Betts. No. 907,447; Dec. 22; Sp. p. 4546; Gaz. vol. 137; p. 1831.
- Lamp, Vapor-. W. T. Wood. No. 888,679; May 26; Sp. p. 4738; Dr. p. 1007; Gaz. vol. 134; p. 860.
- Lamp, Vapor-. A. A. Warner. No. 904,239; Nov. 17; Sp. p. 3497; Gaz. vol. 137; p. 625.
- Lamp, Vapor-. E. Seitz. No. 905,467; Dec. 1; Sp. p. 717; Gaz. vol. 137; p. 1098.
- Lamp, Vapor-burning. R. W. Jorres. No. 900,738; Oct. 13; Sp. p. 1426; Dr. p. 283; Gaz. vol. 136; p. 1319.
- Lamp, Vapor electric. R. Küch. No. 886,706; May 5; Sp. p. 752; Gaz. vol. 134; p. 126.
- Lamp, Vehicle-. C. Bergener. No. 896,703; Aug. 25; Sp. p. 3823; Dr. p. 827; Gaz. vol. 135; p. 1590.
- Lamp wick-raiser, Miner's-. L. P. Eisenbeis. No. 903,064; Nov. 3; Sp. p. 1067; Gaz. vol. 137; p. 175.
- Lamp with emergency-burner, Inverted incandescent. A. Würker. No. 880,615; Mar. 3; Sp. p. 258; Dr. pp. 53-4; Gaz. vol. 133; p. 45.
- Lamp with inverted incandescent gas-burners. M. Graetz. No. 884,816; Apr. 14; Sp. p. 2364; Dr. p. 496; Gaz. vol. 133; p. 1597.
- Lamps and lanterns, Burner-fastening for. E. C. Everett and F. Schindewolf. No. 888,150; May 19; Sp. p. 3655; Dr. p. 765; Gaz. vol. 134; p. 653.
- Lamps and other burners, Wick attachment for. E. W. Burrows. No. 876,523; Jan. 14; Sp. p. 1708; Dr. p. 371; Gaz. vol. 132; p. 310.
- Lamps, Apparatus for the compression of gas or air for. W. H. Chipperfield. No. 885,319; Apr. 21; Sp. p. 3408; Dr. pp. 712-13; Gaz. vol. 133; p. 1791.
- Lamps, Combined base-frame and bracket for signal-. A. H. Handlan, Jr. No. 877,841; Jan. 28; Sp. p. 4377; Dr. p. 952; Gaz. vol. 132; p. 803.
- Lamps, Combined base-ring and bracket for signal-. A. H. Handlan, Jr. No. 882,309; Mar. 17; Sp. p. 3647; Dr. p. 773; Gaz. vol. 133; p. 657.
- Lamps, Combined base-ring and bracket for signal-. G. H. Rolles. No. 899,808; Sept. 29; Sp. p. 5108; Dr. p. 1092; Gaz. vol. 136; p. 959.
- Lamps, Device for automatic kindling of incandescent. J. Danishevski. No. 882,815; Mar. 24; Sp. p. 4616; Dr. p. 984; Gaz. vol. 133; p. 855.
- Lamps, Elastic suspension for the filaments of electric incandescent. P. Druseidt. No. 896,092; Aug. 18; Sp. p. 2621; Dr. p. 568; Gaz. vol. 135; p. 1372.
- Lamps, Electrically connecting filaments to supply-wires in electric glow-. H. Kuzel. No. 898,979; Sept. 15; Sp. p. 3433; Gaz. vol. 136; p. 625.
- Lamps in series, Operating electric arc-. F. M. Lewis. No. 894,157; July 21; Sp. p. 3697; Dr. p. 768; Gaz. vol. 135; p. 643.
- Lamps, Light-regulator for electric. T. E. Murray. No. 908,117; Dec. 29; Sp. p. 5956; Gaz. vol. 137; p. 2081.
- Lamps, Machine for making incandescent. A. Swan. No. 877,013; Jan. 21; Sp. p. 2736; Dr. pp. 592-4; Gaz. vol. 132; p. 513.
- Lamps, Machine for making incandescent. W. R. Burrows. No. 884,568; Apr. 14; Sp. p. 1824; Dr. p. 391; Gaz. vol. 133; p. 1513.
- Lamps, Mantle-support and globe-holder for incandescent. G. E. Hulse. No. 880,143; Feb. 25; Sp. p. 4648; Dr. p. 981; Gaz. vol. 132; p. 1890.
- Lamps, Manufacture of electric incandescent. F. M. F. Cazin. No. 877,408; Jan. 21; Sp. p. 3531; Dr. p. 765; Gaz. vol. 132; p. 643.
- Lamps, Manufacture of metal-filament. W. C. Arsem. No. 903,826; Nov. 17; Sp. p. 2602; Gaz. vol. 137; p. 483.
- Lamps, Manufacturing incandescent bodies for electric. A. Just and F. Hanaman. No. 878,463; Feb. 4; Sp. p. 1141; Gaz. vol. 132; p. 1036.
- Lamps, Manufacturing the filaments of electric incandescent. W. von Bolton. No. 891,223; June 16; Sp. p. 4114; Dr. p. 902; Gaz. vol. 134; p. 1777.
- Lamps, Means for operating vapor electric. E. Weintraub. No. 894,766; July 28; Sp. p. 4940; Dr. p. 1030; Gaz. vol. 135; p. 862.
- Lamps, Metal filament for electric incandescent. H. Kuzel. No. 898,752; Sept. 15; Sp. p. 3028; Dr. p. 649; Gaz. vol. 136; p. 551.
- Lamps, Multiple socket for electric. F. J. Russell. No. 889,812; June 2; Sp. p. 1208; Dr. p. 279; Gaz. vol. 134; p. 1255.
- Lamps on vehicles, Device for automatically controlling. J. W. P. Smithwick. No. 883,582; Mar. 31; Sp. p. 6193; Dr. p. 1319; Gaz. vol. 133; p. 1134.
- Lamps or the like, Support for flash-light. F. Hrdlička-Csiszár. No. 885,251; Apr. 21; Sp. p. 3265; Dr. p. 681; Gaz. vol. 133; p. 1768.
- Lamps, process and product, Manufacture of filaments in electric incandescent. F. M. F. Cazin. No. 879,084; Feb. 11; Sp. p. 2445; Dr. p. 511; Gaz. vol. 132; p. 1269.
- Lamps, Safety portable manual generator for igniting miners' safety-. J. C. Bowie and J. H. Phelps. No. 908,386; Dec. 29; Sp. p. 6544; Gaz. vol. 137; p. 2174.
- Lamps, Shade-holder for incandescent. J. Weber. No. 904,821; Nov. 24; Sp. p. 4715; Gaz. vol. 137; p. 847.
- Lamps, Starting device for mercury-vapor electric. L. A. Audibert. No. 881,765; Mar. 10; Sp. p. 2522; Dr. p. 543; Gaz. vol. 133; p. 450.
- Lamps, Strainer and perforate discharge for. C. M. Lungren. No. 880,149; Feb. 25; Sp. p. 4663; Dr. p. 983; Gaz. vol. 132; p. 1692.
- Lamps, Working of electric vapor-. R. Küch. No. 883,725; Apr. 7; Sp. p. 91; Gaz. vol. 133; p. 1208.
- Lampblack-making apparatus. G. Wegelin. No. 897,439; Sept. 1; Sp. p. 411; Dr. p. 87; Gaz. vol. 136; p. 64.
- Land-clearing machine. W. M. Seymour. (Reissue.) No. 12,749; Feb. 11; Sp. p. 2556; Dr. p. 532; Gaz. vol. 132; p. 1286.
- Land-clearing machine. W. M. Seymour. No. 900,433; Oct. 6; Sp. p. 762; Dr. p. 157; Gaz. vol. 136; p. 1192.
- Land-marker. J. W. Shell. No. 905,595; Dec. 1; Sp. p. 971; Gaz. vol. 137; p. 1139.
- Land, road, and street clearing machine. J. von Bertouh. No. 895,332; Aug. 4; Sp. p. 1123; Dr. p. 236; Gaz. vol. 135; p. 1081.
- Land-roller. S. P. Walgren. No. 880,608; Mar. 3; Sp. p. 245; Dr. p. 50; Gaz. vol. 133; p. 43.
- Land-roller. F. L. Gaines. No. 894,430; July 28; Sp. p. 4306; Dr. p. 888; Gaz. vol. 135; p. 754.
- Land-roller. A. Beier. No. 895,230; Aug. 4; Sp. p. 907; Dr. p. 190; Gaz. vol. 135; p. 1047.
- Land-roller. H. P. A. Andersen. No. 904,913; Nov. 24; Sp. p. 4908; Gaz. vol. 137; p. 877.
- Land-roller. S. T. Ralston. No. 906,930; Dec. 15; Sp. p. 3508; Gaz. vol. 137; p. 1625.
- Land roller and cultivator. J. Ross. No. 903,782; Nov. 10; Sp. p. 2492; Gaz. vol. 137; p. 436.
- Land rolling and pulverizing machine. J. S. Donnelly and J. Frederick. No. 880,445; Feb. 25; Sp. p. 5270; Dr. p. 1108; Gaz. vol. 132; p. 1792.
- Lantern. J. F. Horn. No. 882,201; Mar. 17; Sp. p. 3433; Dr. p. 730; Gaz. vol. 133; p. 621.
- Lantern. W. S. Hamm. No. 886,973; May 5; Sp. p. 1262; Dr. p. 267; Gaz. vol. 134; p. 209.
- Lantern. A. Trevino. No. 887,546; May 12; Sp. p. 2479; Dr. p. 523; Gaz. vol. 134; p. 427.
- Lantern. F. A. Satter. No. 894,235; July 28; Sp. p. 3888; Dr. p. 803; Gaz. vol. 135; p. 689.
- Lantern. F. K. Wright. No. 895,132; Aug. 4; Sp. p. 712; Dr. pp. 148-9; Gaz. vol. 135; p. 1012.
- Lantern. F. K. Wright. No. 895,133; Aug. 4; Sp. p. 714; Dr. p. 149; Gaz. vol. 135; p. 1013.
- Lantern. O. E. Krebs. No. 906,536; Dec. 15; Sp. p. 2760; Gaz. vol. 137; p. 1500.
- Lantern attachment. L. D. Whiting. No. 876,033; Jan. 7; Sp. p. 672; Dr. p. 144; Gaz. vol. 132; p. 116.
- Lantern, Automatic magic. H. Ingram. No. 891,175; June 16; Sp. p. 4001; Dr. p. 878; Gaz. vol. 134; p. 1760.
- Lantern-bracket. A. E. Choate. No. 894,116; July 21; Sp. p. 3618; Dr. p. 746; Gaz. vol. 135; p. 631.
- Lantern, Folding. C. H. Stonebridge. No. 890,193; June 9; Sp. p. 2005; Dr. p. 442; Gaz. vol. 134; p. 1410.
- Lantern, Folding. M. L. Williams. No. 902,036; Oct. 27; Sp. p. 4126; Dr. p. 835; Gaz. vol. 136; p. 1808.
- Lantern-frame. A. H. Handlan, Jr. No. 894,433; July 28; Sp. p. 4312; Dr. p. 889; Gaz. vol. 135; p. 755.
- Lantern-frame. G. H. Rolles. No. 906,163; Dec. 8; Sp. p. 2062; Gaz. vol. 137; p. 1353.
- Lantern, Hand signaling-. E. M. Tomlinson. No. 878,431; Feb. 4; Sp. p. 1074; Dr. pp. 218-19; Gaz. vol. 132; p. 1025.
- Lantern-holder. A. W. Mitchell. No. 879,566; Feb. 18; Sp. p. 3439; Dr. p. 720; Gaz. vol. 132; p. 1469.

Alphabetical list of inventions—Continued.

- Lantern-holder. C. W. Leaning. No. 882,396; Mar. 17; Sp. p. 3794; Dr. p. 810; Gaz. vol. 133; p. 685.
 Lantern-holder. R. Harrop. No. 893,494; July 14; Sp. p. 2250; Dr. p. 471; Gaz. vol. 135; p. 395.
 Lantern-holder. C. A. Knapp. No. 896,922; Aug. 25; Sp. p. 4329; Dr. p. 927; Gaz. vol. 135; p. 1665.
 Lantern-pinion. A. H. Neureuther. No. 906,915; Dec. 15; Sp. p. 3476; Gaz. vol. 137; p. 1620.
 Lantern, Projecting-. C. M. Lungren. No. 888,054; Sept. 8; Sp. p. 1684; Dr. pp. 357-8; Gaz. vol. 136; p. 295.
 Lantern, Projection-. C. F. Dutton, Jr. No. 887,928; May 19; Sp. p. 3236; Dr. p. 680; Gaz. vol. 134; p. 583.
 Lantern, Signal-. G. H. Rolfe. No. 888,038; May 19; Sp. p. 3445; Dr. p. 723; Gaz. vol. 134; p. 619.
 Lantern, Signal-. C. L. Betts. No. 906,681; Dec. 15; Sp. p. 3019; Gaz. vol. 137; p. 1544.
 Lantern, Signaling-. H. G. Hohnsbeen. No. 896,384; Aug. 18; Sp. p. 3197; Dr. p. 685; Gaz. vol. 135; p. 1465.
 Lantern, Storm-. G. Stübgen. No. 876,109; Jan. 7; Sp. p. 832; Dr. p. 178; Gaz. vol. 132; p. 141.
 Lantern, Storm-. G. Stübgen. No. 903,023; Nov. 3; Sp. p. 995; Gaz. vol. 137; p. 163.
 Lantern, Top-draft. W. E. Fresh. No. 873,518; Feb. 11; Sp. p. 1336; Dr. p. 270; Gaz. vol. 132; p. 1088.
 Lantern, Tubular. K. L. Stendahl. No. 898,393; Sept. 8; Sp. p. 2315; Dr. pp. 492-3; Gaz. vol. 136; p. 403.
 Lap-board and book-support, Student's. J. Doerich. No. 896,091; Aug. 18; Sp. p. 2619; Dr. p. 567; Gaz. vol. 135; p. 1372.
 Lap-robe. W. G. Rasch. No. 902,685; Nov. 3; Sp. p. 297; Gaz. vol. 137; p. 51.
 Lard-compounding machines, Cooling device for. R. L. Wright. No. 888,680; May 26; Sp. p. 4740; Dr. p. 1007; Gaz. vol. 134; p. 860.
 Last. S. M. Hamblin. No. 877,995; Feb. 4; Sp. p. 194; Dr. p. 43; Gaz. vol. 132; p. 882.
 Last. W. Wiggins. No. 881,643; Mar. 10; Sp. p. 2299; Dr. p. 498; Gaz. vol. 133; p. 413.
 Last. A. G. Fitz. No. 882,556; Mar. 24; Sp. p. 4105; Dr. p. 870; Gaz. vol. 133; p. 770.
 Last. W. H. Hooper. No. 883,804; Apr. 7; Sp. p. 258; Dr. p. 48; Gaz. vol. 133; p. 1234.
 Last. J. Dion. No. 894,730; July 28; Sp. p. 4878; Dr. p. 1015; Gaz. vol. 135; p. 851.
 Last. H. F. Loewer. No. 898,664; Sept. 15; Sp. p. 2871; Dr. p. 613; Gaz. vol. 136; p. 523.
 Last. F. J. Shainsey. No. 905,240; Dec. 1; Sp. p. 234; Gaz. vol. 137; p. 1023.
 Last. G. G. Schelter. No. 906,565; Dec. 15; Sp. p. 2806; Gaz. vol. 137; p. 1509.
 Last. J. D. Winchester. No. 908,184; Dec. 29; Sp. p. 6101; Gaz. vol. 137; p. 2104.
 Last, Adjustable. J. Bronenkant. No. 891,590; June 23; Sp. p. 4882; Dr. p. 1052; Gaz. vol. 134; p. 1929.
 Last-block. E. J. Prindle. No. 898,989; Sept. 15; Sp. p. 3456; Dr. p. 740; Gaz. vol. 136; p. 628.
 Last-demonstrator. E. A. Eastman. No. 882,818; Mar. 24; Sp. p. 4622; Dr. p. 985; Gaz. vol. 133; p. 856.
 Last-demonstrator. E. A. Eastman. No. 888,149; May 19; Sp. p. 3653; Dr. p. 765; Gaz. vol. 134; p. 653.
 Last, Divided. W. C. Porter. No. 884,757; Apr. 14; Sp. p. 2243; Dr. p. 473; Gaz. vol. 133; p. 1576.
 Last, Divided. E. O. Krentler. No. 901,918; Oct. 20; Sp. p. 3852; Dr. p. 786; Gaz. vol. 136; p. 1739.
 Last for molded footwear. M. C. Clark. No. 893,568; July 14; Sp. p. 2425; Dr. p. 504; Gaz. vol. 135; p. 419.
 Last-forming apparatus, Sectional-. J. T. Brown. No. 906,378; Dec. 8; Sp. p. 2463; Gaz. vol. 137; p. 1423.
 Last, Hinged. C. F. Pym. No. 888,261; May 19; Sp. p. 3855; Dr. p. 810; Gaz. vol. 134; p. 690.
 Last, Hinged. H. A. Henderson. No. 890,512; June 9; Sp. p. 2642; Dr. p. 584; Gaz. vol. 134; p. 1511.
 Last, Hinged. E. O. Krentler. No. 902,303; Oct. 27; Sp. p. 4605; Dr. p. 946; Gaz. vol. 136; p. 1894.
 Last-lathe center. C. P. Morton. No. 891,782; June 23; Sp. p. 5274; Dr. p. 1141; Gaz. vol. 134; p. 1995.
 Last, Link-. E. O. Krentler. No. 902,302; Oct. 27; Sp. p. 4603; Dr. p. 946; Gaz. vol. 136; p. 1894.
 Last-lock. J. T. Harding. No. 898,407; Sept. 8; Sp. p. 2343; Dr. p. 497; Gaz. vol. 136; p. 407.
 Last-locking device. E. L. Keyes. No. 901,350; Oct. 20; Sp. p. 2660; Dr. p. 545; Gaz. vol. 136; p. 1552.
 Last-manufacturing machine. W. E. Trufant. No. 888,672; May 26; Sp. p. 4717; Dr. p. 1004; Gaz. vol. 134; p. 858.
 Last, Non-detachable hinged. C. B. Kosters. No. 879,181; Feb. 18; Sp. p. 2655; Dr. p. 553; Gaz. vol. 132; p. 1343.
 Last or form, Shoe. A. W. Sutherland. No. 889,411; June 2; Sp. p. 442; Dr. p. 105; Gaz. vol. 134; p. 1129.
 Last, Repair-. D. Rounds and C. E. Cook. No. 877,519; Jan. 28; Sp. p. 3765; Dr. p. 814; Gaz. vol. 132; p. 701.
 Last, Shoe-. F. E. Benton. No. 880,711; Mar. 3; Sp. p. 443; Dr. p. 93; Gaz. vol. 133; p. 78.
 Last-support. L. Sedivi. No. 900,314; Oct. 6; Sp. p. 518; Dr. p. 108; Gaz. vol. 136; p. 1153.
 Lasts, Making. J. J. Smith. No. 882,274; Mar. 17; Sp. p. 3582; Dr. p. 760; Gaz. vol. 133; p. 646.
 Lasts, Support for use in finishing. C. Benschmidt. No. 877,826; Jan. 28; Sp. p. 4355; Dr. p. 945; Gaz. vol. 132; p. 798.
 Lastest, Heel-seat. C. F. Pym. No. 881,441; Mar. 10; Sp. p. 1890; Dr. pp. 411-12; Gaz. vol. 133; p. 346.
 Lasting and tacking machine, Shoe. H. A. Ballard. No. 878,854; Feb. 11; Sp. p. 2013; Dr. pp. 416-17; Gaz. vol. 132; p. 1198.
 Lasting-machine. C. F. Pym. No. 880,401; Feb. 25; Sp. p. 5172; Dr. p. 1091; Gaz. vol. 132; p. 1776.
 Lasting-machine. C. F. Pym. No. 882,018; Mar. 17; Sp. p. 3085; Dr. pp. 656-8; Gaz. vol. 133; p. 563.
 Lasting-machine. S. W. Ladd. No. 893,331; July 14; Sp. p. 1895; Dr. p. 396; Gaz. vol. 135; p. 341.
 Lasting-machine. G. W. Carter. No. 893,440; July 14; Sp. p. 2121; Dr. pp. 445-6; Gaz. vol. 135; p. 377.
 Lasting-machine. G. H. Clark. No. 897,587; Sept. 1; Sp. p. 709; Dr. p. 149; Gaz. vol. 136; p. 113.
 Lasting-machine. C. F. Pym. No. 907,524; Dec. 22; Sp. p. 4687; Gaz. vol. 137; p. 1856.
 Latch. M. J. Ostul. No. 876,581; Jan. 14; Sp. p. 1833; Dr. pp. 400-1; Gaz. vol. 132; p. 330.
 Latch. G. W. and C. E. Goss. No. 881,182; Mar. 10; Sp. p. 1374; Dr. p. 296; Gaz. vol. 133; p. 263.
 Latch. P. Dunford. No. 881,670; Mar. 10; Sp. p. 2345; Dr. p. 508; Gaz. vol. 133; p. 421.
 Latch. I. W. Herman. No. 884,925; Apr. 14; Sp. p. 2575; Dr. p. 542; Gaz. vol. 133; p. 1629.
 Latch. W. E. Sparks. No. 888,268; May 19; Sp. p. 3872; Dr. p. 815; Gaz. vol. 134; p. 693.
 Latch. F. N. Beacom. No. 892,796; July 7; Sp. p. 792; Dr. p. 167; Gaz. vol. 135; p. 136.
 Latch. E. Krafft. No. 897,749; Sept. 1; Sp. p. 1025; Dr. p. 218; Gaz. vol. 136; p. 166.
 Latch. D. W. Tower. No. 900,800; Oct. 13; Sp. p. 1549; Dr. p. 315; Gaz. vol. 136; p. 1338.
 Latch. E. W. Vest. No. 901,501; Oct. 20; Sp. p. 3021; Dr. p. 617; Gaz. vol. 136; p. 1604.
 Latch and key lock, Combination. R. Wettel and M. P. Freebey. No. 900,629; Oct. 6; Sp. p. 1192; Dr. pp. 244-5; Gaz. vol. 136; p. 1256.
 Latch and lock, Combined. W. T. Blount, Jr. No. 885,576; Apr. 21; Sp. p. 3925; Dr. p. 819; Gaz. vol. 133; p. 1871.
 Latch and lock, Door. F. Herbeck. No. 881,860; Mar. 10; Sp. p. 2725; Dr. pp. 583-4; Gaz. vol. 133; p. 482.
 Latch, Door-. J. H. Brown. No. 890,006; Feb. 25; Sp. p. 4372; Dr. p. 917; Gaz. vol. 132; p. 1646.
 Latch, Door-. C. J. Woodward. No. 885,559; Apr. 21; Sp. p. 3893; Dr. p. 814; Gaz. vol. 133; p. 1865.
 Latch, Door-. W. F. Marten. No. 886,143; Apr. 28; Sp. p. 5100; Dr. p. 1071; Gaz. vol. 133; p. 2086.
 Latch, Duplex gravity gate-. C. W. Owens. No. 879,408; Feb. 18; Sp. p. 3115; Dr. p. 646; Gaz. vol. 132; p. 1417.
 Latch for movable lids. J. E. Wallace. No. 891,887; June 30; Sp. p. 5506; Dr. p. 1190; Gaz. vol. 134; p. 2061.
 Latch, Gate-. A. S. Kent. No. 890,660; June 16; Sp. p. 2975; Dr. p. 652; Gaz. vol. 134; p. 1594.
 Latch, Gate-. O. L. and A. B. Calkins. No. 893,439; July 14; Sp. p. 2120; Dr. p. 445; Gaz. vol. 135; p. 377.
 Latch, Gate-. L. E. Finch. No. 895,445; Aug. 11; Sp. p. 1342; Dr. p. 283; Gaz. vol. 135; p. 1140.
 Latch, Gate-. J. Mason. No. 898,247; Sept. 8; Sp. p. 2062; Dr. p. 438; Gaz. vol. 136; p. 356.
 Latch-keeper for gates. R. D. Browning. No. 891,667; June 23; Sp. p. 5060; Dr. p. 1092; Gaz. vol. 134; p. 1956.
 Latch-lock, Combination. F. Soley. No. 900,437; Oct. 6; Sp. p. 771; Dr. p. 159; Gaz. vol. 136; p. 1194.
 Latch mechanism. P. Behr. No. 897,514; Sept. 1; Sp. p. 563; Dr. p. 118; Gaz. vol. 136; p. 89.
 Latch mechanism, Door-. A. R. Pool and W. Elliott. No. 886,635; May 5; Sp. p. 579; Dr. p. 121; Gaz. vol. 134; p. 102.
 Latch, Refrigerator-. C. Stotz. No. 888,364; May 19; Sp. p. 4059; Dr. p. 855; Gaz. vol. 134; p. 723.
 Latch, Reversible. J. O. Myhre. No. 907,389; Dec. 22; Sp. p. 4410; Gaz. vol. 137; p. 1811.
 Latch, Vehicle-door. F. C. Altmann. No. 882,136; Mar. 17; Sp. p. 3299; Dr. p. 704; Gaz. vol. 133; p. 601.
 Latch with pivoted case. L. C. Leopold. No. 885,496; Apr. 21; Sp. p. 3738; Dr. p. 787; Gaz. vol. 133; p. 1847.
 Lathe. P. Murray. No. 886,719; May 5; Sp. p. 786; Dr. p. 161; Gaz. vol. 134; p. 131.
 Lathe. F. Hardinge. No. 894,634; July 28; Sp. p. 4701; Dr. p. 976; Gaz. vol. 135; p. 820.
 Lathe. F. Hardinge. No. 894,635; July 28; Sp. p. 4704; Dr. p. 976; Gaz. vol. 135; p. 820.
 Lathe. E. H. Sheldon. No. 907,418; Dec. 22; Sp. p. 4483; Gaz. vol. 137; p. 1821.
 Lathe. H. Schlesinger. No. 908,146; Dec. 29; Sp. p. 6015; Gaz. vol. 137; p. 2091.
 Lathe attachment. A. E. Whiting. No. 900,457; Oct. 6; Sp. p. 830; Dr. p. 169; Gaz. vol. 136; p. 1200.
 Lathe-center. C. H. Lucas. No. 907,967; Dec. 15; Sp. p. 3745; Gaz. vol. 137; p. 1667.
 Lathe-dog. G. J. Blum. No. 877,882; Jan. 28; Sp. p. 4450; Dr. p. 970; Gaz. vol. 132; p. 816.
 Lathe-dog. J. McCarthy. No. 889,711; June 2; Sp. p. 1025; Dr. p. 237; Gaz. vol. 134; p. 1223.
 Lathe-dog. D. R. McKim. No. 900,761; Oct. 13; Sp. p. 1464; Dr. p. 298; Gaz. vol. 136; p. 1326.
 Lathe-driver. J. Burt. No. 881,373; Mar. 10; Sp. p. 1770; Dr. pp. 382-3; Gaz. vol. 133; p. 325.
 Lathe-driver. L. H. Vold. No. 881,749; Mar. 10; Sp. p. 2498; Dr. p. 538; Gaz. vol. 133; p. 445.
 Lathe, Driving-wheel. W. T. Sears. No. 892,091; June 30; Sp. p. 5890; Dr. p. 1268; Gaz. vol. 134; p. 2126.
 Lathe, Engine-. J. Hartness. No. 876,305; Jan. 7; Sp. p. 1224; Dr. p. 267; Gaz. vol. 132; p. 205.
 Lathe for billiard-cues or the like. M. E. Dannenberg. No. 883,699; Apr. 7; Sp. p. 50; Dr. p. 7; Gaz. vol. 133; p. 1200.
 Lathe head, Handle-. O. W. Stith. No. 891,111; June 16; Sp. p. 3883; Dr. pp. 849-50; Gaz. vol. 134; p. 1740.
 Lathe, Portable. C. A. Rosenow. No. 905,929; Dec. 8; Sp. p. 1612; Gaz. vol. 137; p. 1278.

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- Lathe, Staff-. W. B. Mehl. No. 889,386; June 2; Sp. p. 392; Dr. pp. 92-3; Gaz. vol. 134; p. 1120.
 Lathe tool-holder. C. E. Keel. No. 897,625; Sept. 1; Sp. p. 786; Dr. p. 165; Gaz. vol. 136; p. 124.
 Lathe tool-post. G. N. B. Chamberlain. No. 905,648; Dec. 1; Sp. p. 1073; Gaz. vol. 137; p. 1156.
 Lathe, Turning-. E. Tannewitz. No. 887,148; May 12; Sp. p. 1601; Dr. p. 340; Gaz. vol. 134; p. 294.
 Lathe, Turning-. E. Tannewitz. No. 895,699; Aug. 11; Sp. p. 1841; Dr. p. 392; Gaz. vol. 135; p. 1223.
 Lathe, Vertical turret-. E. P. Bullard, Jr. No. 877,402; Jan. 21; Sp. p. 3515; Dr. pp. 761-3; Gaz. vol. 132; p. 640.
 Lathe with several mandrels, Semi-automatic revolving. M. H. Blanche. No. 900,007; Sept. 29; Sp. p. 5525; Dr. pp. 1177-8; Gaz. vol. 136; p. 1022.
 Lathe, Wood-turning. C. H. Waymoth. No. 901,503; Oct. 20; Sp. p. 3024; Dr. p. 618; Gaz. vol. 136; p. 1605.
 Lathes, Audible signal device for. H. A. Steinkamp. No. 896,419; Aug. 18; Sp. p. 3268; Dr. p. 701; Gaz. vol. 135; p. 1477.
 Lathes, Back-rest for turning-. J. T. Meyers. No. 898,589; Sept. 15; Sp. p. 2712; Dr. p. 580; Gaz. vol. 136; p. 498.
 Lathes, &c., Carriage-feeding mechanism for. J. C. Potter. No. 880,916; Mar. 3; Sp. p. 877; Dr. pp. 188-9; Gaz. vol. 133; p. 147.
 Lathes, Change-speed gearing for engine-. A. E. Newton. No. 895,106; Aug. 4; Sp. p. 667; Dr. p. 140; Gaz. vol. 135; p. 1004.
 Lathes, Feed mechanism for wood-turning. C. H. Waymoth. No. 884,114; Apr. 7; Sp. p. 928; Dr. p. 195; Gaz. vol. 133; p. 1337.
 Lathes, Model or guide wheel for. D. K. Barry. No. 877,979; Feb. 4; Sp. p. 162; Dr. p. 37; Gaz. vol. 132; p. 877.
 Lathes, Multiple-tool-holding slide-rest attachment for. D. J. Smith. No. 892,457; July 7; Sp. p. 131; Dr. p. 28; Gaz. vol. 135; p. 26.
 Lathes or other devices, Feeding mechanism for. H. P. Kraft. No. 876,360; Jan. 14; Sp. p. 1338; Dr. pp. 290-1; Gaz. vol. 132; p. 253.
 Lathes, planing-machines, and other analogous machine-tools, Tool-holder for. E. J. Günther. No. 893,996; July 21; Sp. p. 3381; Dr. pp. 691-2; Gaz. vol. 135; p. 590.
 Lather-rubber. R. and R. W. Sampson. No. 904,650; Nov. 24; Sp. p. 4349; Gaz. vol. 137; p. 790.
 Lathing and treating same, Woven. W. E. Robinson. No. 880,098; Feb. 25; Sp. p. 4556; Dr. pp. 959-60; Gaz. vol. 132; p. 1675.
 Lathing, Composite. F. Wolf. No. 889,167; May 26; Sp. p. 5749; Dr. p. 1216; Gaz. vol. 134; p. 1019.
 Lathing, Expanded-metal. H. Peters. No. 902,602; Nov. 3; Sp. p. 147; Gaz. vol. 137; p. 24.
 Lathing-machine. R. R. Zahner. No. 879,995; Feb. 25; Sp. p. 4352; Dr. p. 912; Gaz. vol. 132; p. 1643.
 Lathing, Metal. W. G. Hurlbert. No. 900,019; Sept. 20; Sp. p. 5554; Dr. p. 1183; Gaz. vol. 136; p. 1026.
 Lathing, Sheet-metal. T. W. Macintosh. No. 887,674; May 12; Sp. p. 2718; Dr. p. 574; Gaz. vol. 134; p. 469.
 Latrine-closet. D. A. Ebinger. No. 889,917; June 9; Sp. p. 1436; Dr. p. 324; Gaz. vol. 134; p. 1316.
 Latrine-incinerator. J. Conley. No. 905,500; Dec. 1; Sp. p. 798; Gaz. vol. 137; p. 1110.
 Latrine-incinerator. J. Conley. No. 905,501; Dec. 1; Sp. p. 800; Gaz. vol. 137; p. 1110.
 Latten (yellow brass). R. Striebeck. No. 887,540; May 12; Sp. p. 2470; Gaz. vol. 134; p. 425.
 Launches, Under-water exhaust for. H. C. Nelson and W. H. Mullins. No. 900,576; Oct. 6; Sp. p. 1082; Dr. p. 222; Gaz. vol. 136; p. 1239.
 Laundry appliance. C. B. Rogers and J. W. Gardner. No. 901,836; Oct. 20; Sp. p. 3706; Dr. pp. 752-3; Gaz. vol. 136; p. 1713.
 Laundry-bag. D. P. Moore. No. 893,934; July 21; Sp. p. 3239; Dr. p. 666; Gaz. vol. 135; p. 569.
 Laundry-edger. R. L. Bray. No. 880,714; Mar. 3; Sp. p. 449; Dr. p. 94; Gaz. vol. 133; p. 79.
 Laundry-iron, Electric. E. H. Richardson. No. 900,208; Oct. 6; Sp. p. 287; Dr. p. 58; Gaz. vol. 136; p. 1119.
 Laundry-marker. E. L. Lewis and A. P. Jamison. No. 881,012; Mar. 3; Sp. p. 1048; Dr. pp. 226-7; Gaz. vol. 133; p. 178.
 Laundrying, Apparatus for producing pliant creases in. H. Bechtold and R. E. Young. No. 907,442; Dec. 22; Sp. p. 4537; Gaz. vol. 137; p. 1830.
 Laundrying, Producing pliant creases in. H. Bechtold and R. E. Young. No. 907,673; Dec. 22; Sp. p. 5050; Gaz. vol. 137; p. 1905.
 Lavatory. J. H. Gavin. No. 893,716; July 21; Sp. p. 2704; Dr. p. 568; Gaz. vol. 135; p. 496.
 Lavatory. H. M. Weaver. No. 906,592; Dec. 15; Sp. p. 2855; Gaz. vol. 137; p. 1517.
 Lavatory plug or stopper. H. M. Weaver. No. 906,591; Dec. 15; Sp. p. 2854; Gaz. vol. 137; p. 1517.
 Lavatory, Portable. A. W. Cale. No. 881,543; Mar. 10; Sp. p. 2083; Dr. p. 455; Gaz. vol. 133; p. 379.
 Lavatory-support. A. and G. Coons. No. 899,956; Sept. 29; Sp. p. 5415; Dr. p. 1154; Gaz. vol. 136; p. 1005.
 Lawn cleaner and cultivator. H. C. French. No. 879,759; Feb. 18; Sp. p. 3834; Dr. p. 804; Gaz. vol. 132; p. 1531.
 Lawn-edge cutter. F. Heather. No. 903,085; Nov. 3; Sp. p. 1111; Gaz. vol. 137; p. 181.
 Lawn-edge trimmer. J. G. Himmelsbach. No. 895,181; Aug. 4; Sp. p. 809; Dr. p. 169; Gaz. vol. 135; p. 1029.
 Lawn-mower. T. Rowe. No. 905,591; Dec. 1; Sp. p. 966; Gaz. vol. 137; p. 1138.
 Lawn-rake. R. Ditchfield. No. 895,847; Aug. 11; Sp. p. 2153; Dr. p. 457; Gaz. vol. 135; p. 1271.
 Lawn-sprinkler. H. T. Packard. No. 879,892; Feb. 25; Sp. p. 4137; Dr. p. 867; Gaz. vol. 132; p. 1608.
 Lawn-sprinkler. J. J. Darrow. No. 902,863; Nov. 3; Sp. p. 671; Gaz. vol. 137; p. 112.
 Lawn-tennis nets, Combined case and post for. I. H. Atwell. No. 906,848; Dec. 15; Sp. p. 3342; Gaz. vol. 137; p. 1598.
 Lawn-trimmer. H. Watkins. No. 897,436; Sept. 1; Sp. p. 406; Dr. p. 86; Gaz. vol. 136; p. 63.
 Lawn-trimming implement. D. H. Finch. No. 902,141; Oct. 27; Sp. p. 4327; Dr. p. 876; Gaz. vol. 136; p. 1841.
 Lawns and the like, Apparatus for cutting the edges of. J. Hoare. No. 890,279; June 9; Sp. p. 2208; Dr. p. 485; Gaz. vol. 134; p. 1437.
 Lay figure or garment-form. L. H. Bonvoisin. No. 895,718; Aug. 11; Sp. p. 1883; Dr. p. 399; Gaz. vol. 135; p. 1229.
 Lazy-tong genus, Mechanism of the. H. Tideman. No. 899,769; Sept. 29; Sp. p. 5015; Dr. p. 1075; Gaz. vol. 136; p. 945.
 Leach-clearing device. W. Ferguson. No. 894,618; July 28; Sp. p. 4675; Dr. pp. 970-1; Gaz. vol. 135; p. 815.
 Lead, Drier-conveyer for white. M. Schreck, Sr. No. 900,787; Oct. 13; Sp. p. 1528; Dr. p. 311; Gaz. vol. 136; p. 1334.
 Lead, Making arsenate of. E. E. Luther and W. H. Volck. No. 892,603; July 7; Sp. p. 398; Gaz. vol. 135; p. 74.
 Lead, Making arsenate of. E. E. Luther and W. H. Volck. No. 903,389; Nov. 10; Sp. p. 1697; Gaz. vol. 137; p. 310.
 Lead, Manufacturing white. W. Mills. No. 881,016; Mar. 3; Sp. p. 1055; Gaz. vol. 133; p. 180.
 Lead ores, Reducing. A. Francis. No. 882,193; Mar. 17; Sp. p. 3423; Gaz. vol. 133; p. 619.
 Lead pigment, Production of white. J. M. Neil. No. 906,454; Dec. 8; Sp. p. 2599; Gaz. vol. 137; p. 1447.
 Lead-press. D. Carlin. No. 882,742; Mar. 24; Sp. p. 4478; Dr. p. 953; Gaz. vol. 133; p. 832.
 Lead salts by electrolysis, Producing. E. D. Chaplin. No. 906,103; Dec. 8; Sp. p. 1946; Gaz. vol. 137; p. 1332.
 Lead traps by hydraulic pressure, Apparatus for manufacturing. G. Meretta. No. 907,077; Dec. 15; Sp. p. 3763; Gaz. vol. 137; p. 1670.
 Lead, Treating anode slime from the electrolytic refining of. A. G. Betts. No. 891,396; June 23; Sp. p. 4492; Gaz. vol. 134; p. 1867.
 Lead, Treating slimes from electrolytic refining of. A. G. Betts. No. 891,395; June 23; Sp. p. 4491; Gaz. vol. 134; p. 1867.
 Leading device. M. A. Delaney. No. 887,072; May 12; Sp. p. 1471; Dr. p. 311; Gaz. vol. 134; p. 271.
 Leading or slugging device. A. J. Benton. No. 889,893; June 9; Sp. p. 1387; Dr. p. 315; Gaz. vol. 134; p. 1308.
 Leaf and binder, Adjustable. D. C. Anderson. No. 879,135; Feb. 18; Sp. p. 2566; Dr. p. 534; Gaz. vol. 132; p. 1327.
 Leaf, flower, or spray stand, Folding. H. R. Harvey. No. 894,203; July 28; Sp. p. 3819; Dr. p. 791; Gaz. vol. 135; p. 679.
 Leaflet-holder. C. Blum. No. 893,776; July 21; Sp. p. 2922; Dr. p. 598; Gaz. vol. 135; p. 518.
 Leaks in steam apparatus, Compound for stopping. J. N. Hoag. No. 892,521; July 7; Sp. p. 258; Gaz. vol. 135; p. 48.
 Lease-reed. M. Walter. No. 881,169; Mar. 10; Sp. p. 1349; Dr. p. 291; Gaz. vol. 133; p. 259.
 Lease-rod, Oscillating. N. and D. Paquette. No. 881,336; Mar. 10; Sp. p. 1681; Dr. p. 362; Gaz. vol. 133; p. 313.
 Leather-belt-scarfing machine. E. H. Hathaway. No. 897,204; Aug. 25; Sp. p. 4879; Dr. pp. 1038-40; Gaz. vol. 135; p. 1756.
 Leather blackening and seasoning machine. C. P. Bossert. No. 880,859; Mar. 3; Sp. p. 769; Dr. pp. 163-4; Gaz. vol. 133; p. 129.
 Leather-blank-cutting die. H. Stockman. No. 896,478; Aug. 18; Sp. p. 3388; Dr. p. 729; Gaz. vol. 135; p. 1497.
 Leather-buffing machine. H. A. Holder. No. 894,502; July 28; Sp. p. 4439; Dr. pp. 918-19; Gaz. vol. 135; p. 777.
 Leather, Cactus. F. C. Wright. No. 902,359; Oct. 27; Sp. p. 4801; Dr. p. 969; Gaz. vol. 133; p. 313.
 Leather, Composition for making artificial. H. Lewis. No. 894,334; July 28; Sp. p. 4102; Gaz. vol. 135; p. 722.
 Leather-cutting machine. A. W. Schaefer. No. 901,126; Oct. 13; Sp. p. 2208; Dr. p. 449; Gaz. vol. 136; p. 1443.
 Leather-dressing from sapped or exhausted tanning liquors, Making. G. W. Childs. No. 882,489; Mar. 17; Sp. p. 3952; Gaz. vol. 133; p. 715.
 Leather-dressing from tanning liquors, Making liquid. G. W. Childs. No. 882,490; Mar. 17; Sp. p. 3953; Gaz. vol. 133; p. 715.
 Leather, Extraction of glue from mineral-dressed or chrome-tanned. A. R. Weiss, Jr. No. 882,481; Mar. 17; Sp. p. 3939; Gaz. vol. 133; p. 713.
 Leather-finishing machine. A. E. Dodge. No. 903,181; Nov. 10; Sp. p. 1296; Gaz. vol. 137; p. 242.
 Leather, hides, or skins, Apparatus or machine for stretching. A. Cleveland. No. 901,324; Oct. 20; Sp. p. 2594; Dr. pp. 533-4; Gaz. vol. 136; p. 1543.
 Leather, Manufactured. A. W. Case. No. 878,485; Feb. 4; Sp. p. 1210; Gaz. vol. 132; p. 1044.
 Leather, rawhides or skins, hoofs, horns, or bones of animals, Treatment of waste. A. G. Inrig. No. 892,840; July 7; Sp. p. 894; Gaz. vol. 135; p. 151.
 Leather, Recoloring. E. M. Robbins. No. 891,864; June 30; Sp. p. 5467; Gaz. vol. 134; p. 2054.
 Leather, Reinforced. Z. S. Blackadar. No. 891,454; June 23; Sp. p. 4594; Dr. p. 999; Gaz. vol. 134; p. 1885.
 Leather-rolling machine. W. H. Stimpson and F. A. Bradford. No. 906,329; Dec. 8; Sp. p. 2385; Gaz. vol. 137; p. 1409.
 Leather-rolling press. C. Voss. No. 882,033; Mar. 17; Sp. p. 3119; Dr. p. 662; Gaz. vol. 133; p. 567.
 Leather-rounding machine. R. A. Pfeifer. No. 904,445; Nov. 17; Sp. p. 3909; Gaz. vol. 137; p. 694.
 Leather-skiving machines, &c., Feed-roll for. R. P. Grant. No. 887,625; May 12; Sp. p. 2622; Dr. p. 553; Gaz. vol. 134; p. 452.
 Leather-splitting machine. F. J. Nash. No. 894,850; Aug. 4; Sp. p. 91; Dr. pp. 19-20; Gaz. vol. 135; p. 916.

Alphabetical list of inventions—Continued.

- Leather-splitting machines, Adjusting device for the lower-knife-supporting jaw-beams of. J. H. Gay and W. D. Quigley. No. 903,560; Nov. 10; Sp. p. 2059; Gaz. vol. 137; p. 368.
- Leather-splitting-machines, Flexible roll for. J. J. Stehling and F. Brenner. No. 905,111; Nov. 24; Sp. p. 5299; Gaz. vol. 137; p. 944.
- Leather-splitting machines, Spring-roll for. J. H. Gay and W. D. Quigley. No. 903,559; Nov. 10; Sp. p. 2057; Gaz. vol. 137; p. 367.
- Leather-stretcher. W. F. Hysore and C. G. Barnstead. No. 896,387; Aug. 18; Sp. p. 3201; Dr. p. 686; Gaz. vol. 135; p. 1466.
- Leather stretching and setting machinery. W. F. Finch. No. 880,512; Mar. 3; Sp. p. 38; Dr. pp. 9-10; Gaz. vol. 133; p. 10.
- Leather-stretching-string clamp. A. J. Thomson. No. 880,764; Mar. 3; Sp. p. 557; Dr. p. 118; Gaz. vol. 133; p. 97.
- Leather substitute, Patent-. S. Nathan. No. 907,087; Dec. 15; Sp. p. 3779; Gaz. vol. 137; p. 1673.
- Leather, &c., Tool for setting or affixing pronged loops to. W. R. Medearis. No. 903,747; Nov. 10; Sp. p. 2416; Gaz. vol. 137; p. 425.
- Leather-working machine. I. G. Levin. No. 894,839; Aug. 4; Sp. p. 76; Dr. p. 16; Gaz. vol. 135; p. 913.
- Leather-working machine. W. H. Stimpson and F. A. Bradford. No. 904,160; Nov. 17; Sp. p. 3312; Gaz. vol. 137; p. 598.
- Ledger, Loose-leaf. G. F. Gillett. No. 881,396; Mar. 10; Sp. p. 1807; Dr. p. 331; Gaz. vol. 133; p. 332.
- Ledger or temporary binder, Loose-leaf. L. M. Morden. No. 875,834; Jan. 7; Sp. p. 295; Dr. p. 64; Gaz. vol. 132; p. 55.
- Ledger-plate and knife-guard. S. F. Martin. No. 904,547; Nov. 24; Sp. p. 4140; Gaz. vol. 137; p. 755.
- Ledger, Self-indexing. J. B. Perrine. No. 880,754; Mar. 3; Sp. p. 537; Dr. p. 112; Gaz. vol. 133; p. 93.
- Leer. J. S. Denny. No. 908,390; Dec. 29; Sp. p. 6566; Gaz. vol. 137; p. 2178.
- Leg-brace. W. H. Ford. No. 894,264; July 28; Sp. p. 3959; Dr. p. 816; Gaz. vol. 135; p. 699.
- Leg-covering. H. Cohen. No. 898,724; Sept. 15; Sp. p. 2976; Dr. p. 638; Gaz. vol. 136; p. 542.
- Leg-covering, Combination. H. Cohen and B. Nathan. No. 880,358; Feb. 25; Sp. p. 5072; Dr. p. 1071; Gaz. vol. 132; p. 1761.
- Legging. E. Le Bossé. No. 884,741; Apr. 14; Sp. p. 2205; Dr. p. 466; Gaz. vol. 133; p. 1571.
- Legging. M. Rosenwasser. No. 888,745; May 26; Sp. p. 4845; Dr. p. 1033; Gaz. vol. 134; p. 880.
- Legging. C. W. Dulles. No. 890,346; June 9; Sp. p. 2334; Dr. p. 515; Gaz. vol. 134; p. 1459.
- Legging. G. Ciociola. No. 899,590; Sept. 29; Sp. p. 4641; Dr. p. 996; Gaz. vol. 136; p. 888.
- Legging, Storm-. H. B. Fowler. No. 903,463; Nov. 10; Sp. p. 1852; Gaz. vol. 137; p. 335.
- Legging, Storm-. H. B. Fowler. No. 903,464; Nov. 10; Sp. p. 1853; Gaz. vol. 137; p. 336.
- Lemon-squeezer. W. S. Schwartz. No. 898,690; Sept. 15; Sp. p. 2922; Dr. p. 626; Gaz. vol. 136; p. 531.
- Lens. W. K. Knight. No. 896,393; Aug. 18; Sp. p. 3211; Dr. p. 688; Gaz. vol. 135; p. 1468.
- Lens. G. A. Macbeth. No. 898,665; Sept. 15; Sp. p. 2872; Dr. p. 614; Gaz. vol. 136; p. 523.
- Lens, Bifocal. J. L. Borsch, Jr. No. 876,933; Jan. 21; Sp. p. 2557; Dr. p. 558; Gaz. vol. 132; p. 484.
- Lens-blank. L. Wilhelm. No. 901,575; Oct. 20; Sp. p. 3164; Dr. p. 645; Gaz. vol. 136; p. 1628.
- Lens-clamp, Adjustable. H. Scudder and R. K. Hohmann. No. 908,039; Dec. 29; Sp. p. 5800; Gaz. vol. 137; p. 2055.
- Lens-fastening for nose-glasses. G. S. Row. No. 875,955; Jan. 7; Sp. p. 523; Dr. p. 111; Gaz. vol. 132; p. 92.
- Lens grinding and polishing machine. W. F. Hoffman. No. 886,212; Apr. 28; Sp. p. 5214; Dr. p. 1098; Gaz. vol. 133; p. 2108.
- Lens-grinding machine. C. C. Allen. No. 881,646; Mar. 10; Sp. p. 2302; Dr. pp. 498-9; Gaz. vol. 133; p. 414.
- Lens-grinding machine. B. F. Clark. No. 900,664; Oct. 6; Sp. p. 1270; Dr. p. 260; Gaz. vol. 136; p. 1268.
- Lens-grinding machine, Toric-. C. F. Wall and C. Saile. (Reissue.) No. 12,790; May 5; Sp. p. 1416; Dr. p. 301; Gaz. vol. 134; p. 235.
- Lens, Optical. J. E. Germain and G. A. Ossart. No. 880,208; Feb. 25; Sp. p. 4785; Dr. pp. 1012-13; Gaz. vol. 132; p. 1712.
- Lens-protactor. F. Hamilton. No. 901,612; Oct. 20; Sp. p. 3229; Dr. p. 661; Gaz. vol. 136; p. 1639.
- Lenses, Machine for grinding toric. C. F. Wall and C. Saile. No. 881,168; Mar. 10; Sp. p. 1345; Dr. p. 290; Gaz. vol. 133; p. 259.
- Lenses, Making bifocal. H. J. Stead. No. 890,813; June 16; Sp. p. 3301; Dr. p. 723; Gaz. vol. 134; p. 1645.
- Lenses, Making bifocal. L. Wilhelm. No. 901,576; Oct. 20; Sp. p. 3165; Dr. p. 645; Gaz. vol. 136; p. 1628.
- Lenses, Making bifocal. F. A. Stevens. No. 901,659; Oct. 20; Sp. p. 3321; Dr. p. 682; Gaz. vol. 136; p. 1654.
- Lenses, Manufacturing bifocal. J. L. Borsch, Jr. No. 887,028; May 5; Sp. p. 1370; Dr. p. 291; Gaz. vol. 134; p. 227.
- Letter and other character. J. T. Wallace. No. 900,969; Oct. 13; Sp. p. 1917; Dr. p. 390; Gaz. vol. 136; p. 1394.
- Letter-binder. C. W. Allen. No. 905,829; Dec. 8; Sp. p. 1423; Gaz. vol. 137; p. 1246.
- Letter-box. P. J. Schiffer. No. 877,742; Jan. 28; Sp. p. 4200; Dr. p. 910; Gaz. vol. 132; p. 771.
- Letter-box. A. M. Rapoport. No. 891,003; June 16; Sp. p. 3697; Dr. pp. 805-6; Gaz. vol. 134; p. 1707.
- Letter-box alarm and indicator. O. F. Erickson and R. H. Bradshaw. No. 882,752; Mar. 24; Sp. p. 4497; Dr. p. 958; Gaz. vol. 133; p. 835.
- Letter-clasp. A. J. Kriete. No. 877,782; Jan. 28; Sp. p. 4268; Dr. p. 927; Gaz. vol. 132; p. 784.
- Letter-clip. C. A. Locke. No. 895,379; Aug. 4; Sp. p. 1199; Dr. p. 252; Gaz. vol. 135; p. 1095.
- Letter-fastener. F. C. Bussert. No. 905,406; Dec. 1; Sp. p. 554; Gaz. vol. 137; p. 1078.
- Letter-holder. H. Heintz. No. 890,511; June 9; Sp. p. 2642; Dr. p. 584; Gaz. vol. 134; p. 1511.
- Letter-opening machine. M. Heilbron and J. W. Walker. No. 895,087; Aug. 4; Sp. p. 621; Dr. pp. 128-9; Gaz. vol. 135; p. 997.
- Letter-opening machine. A. D. Ross. No. 896,415; Aug. 18; Sp. p. 3260; Dr. p. 699; Gaz. vol. 135; p. 1475.
- Letter-sheet. W. T. Morrison. No. 892,675; July 7; Sp. p. 550; Dr. p. 116; Gaz. vol. 135; p. 97.
- Letter-sheet and envelop, Combined. C. L. Benedict. No. 881,534; Mar. 10; Sp. p. 2069; Dr. pp. 452-3; Gaz. vol. 133; p. 376.
- Letter, Sign-. R. R. Wiley. No. 878,758; Feb. 11; Sp. p. 1830; Dr. p. 378; Gaz. vol. 132; p. 1168.
- Letter, Sign-. G. L. Mason. No. 885,936; Apr. 28; Sp. p. 4673; Dr. p. 984; Gaz. vol. 133; p. 2018.
- Letters, Capitalizing typescript. H. Wise. No. 875,877; Jan. 7; Sp. p. 373; Dr. p. 82; Gaz. vol. 132; p. 69.
- Lettering apparatus. C. R. Krueger and H. C. Evelyn. No. 889,626; June 2; Sp. p. 855; Dr. p. 195; Gaz. vol. 134; p. 1197.
- Leuco derivative of the gallocyanin series. W. Lommel. No. 884,745; Apr. 14; Sp. p. 2218; Gaz. vol. 133; p. 1573.
- Leuco derivative of the gallocyanin series. W. Lommel. No. 893,855; July 21; Sp. p. 3093; Gaz. vol. 135; p. 544.
- Levee-protector. P. McMillan. No. 887,499; May 12; Sp. p. 2335; Dr. p. 504; Gaz. vol. 134; p. 412.
- Level. E. A. King. No. 876,720; Jan. 14; Sp. p. 2121; Dr. p. 466; Gaz. vol. 132; p. 376.
- Level. G. N. Saegmuller. No. 879,122; Feb. 11; Sp. p. 2539; Dr. pp. 527-8; Gaz. vol. 132; p. 1282.
- Level. A. A. Loveless. No. 884,176; Apr. 7; Sp. p. 1066; Dr. p. 222; Gaz. vol. 133; p. 1357.
- Level. H. W. Brown. No. 892,217; June 30; Sp. p. 6149; Dr. p. 1325; Gaz. vol. 134; p. 2168.
- Level. R. S. Blair. No. 892,353; June 30; Sp. p. 6398; Dr. p. 1382; Gaz. vol. 134; p. 2213.
- Level. W. G. and F. W. Fuessel. No. 893,992; July 21; Sp. p. 3373; Dr. p. 690; Gaz. vol. 135; p. 589.
- Level. F. Schtabe. No. 903,011; Nov. 3; Sp. p. 970; Gaz. vol. 137; p. 160.
- Level. W. J. Henderson. No. 908,406; Dec. 29; Sp. p. 6581; Gaz. vol. 137; p. 2181.
- Level and compass. A. Carrier. No. 898,092; Sept. 8; Sp. p. 1754; Dr. p. 373; Gaz. vol. 136; p. 307.
- Level and plumb-rule. W. W. Stettler. No. 895,311; Aug. 4; Sp. p. 1091; Dr. p. 229; Gaz. vol. 135; p. 1074.
- Level attachment. D. H. Southward. No. 886,333; Apr. 28; Sp. p. 5488; Dr. p. 1148; Gaz. vol. 133; p. 2151.
- Level attachment, Spirit-. A. Forrer. No. 896,371; Aug. 18; Sp. p. 3174; Dr. p. 681; Gaz. vol. 135; p. 1461.
- Level, Builder's. N. Abrahams. No. 885,658; Apr. 21; Sp. p. 4086; Dr. p. 855; Gaz. vol. 133; p. 1896.
- Level, Plumb-. W. H. McKeen. No. 901,727; Oct. 20; Sp. p. 3505; Dr. p. 709; Gaz. vol. 136; p. 1679.
- Level, Plumb-. J. A. and F. L. Traut. No. 902,778; Nov. 3; Sp. p. 471; Gaz. vol. 137; p. 82.
- Level, Plumb-. T. N. Roach. No. 904,014; Nov. 17; Sp. p. 3000; Gaz. vol. 137; p. 547.
- Level, Spirit-. G. W. Lingle. No. 883,212; Mar. 31; Sp. p. 5421; Dr. p. 1155; Gaz. vol. 133; p. 1016.
- Level, Spirit-. A. W. Hight. No. 883,642; Mar. 31; Sp. p. 6305; Dr. p. 1345; Gaz. vol. 133; p. 1153.
- Level, Spirit-. T. J. Mahoney. No. 883,659; Mar. 31; Sp. p. 6349; Dr. p. 1353; Gaz. vol. 133; p. 1158.
- Level, Spirit-. C. T. Ridgely. No. 883,743; Apr. 7; Sp. p. 127; Dr. p. 22; Gaz. vol. 133; p. 1213.
- Level, Spirit-. M. Kleinbauer. No. 885,762; Apr. 28; Sp. p. 4312; Dr. p. 904; Gaz. vol. 133; p. 1961.
- Level, Spirit-. W. L. Myers. No. 895,573; Aug. 11; Sp. p. 1594; Dr. p. 337; Gaz. vol. 135; p. 1182.
- Level, Spirit-. W. L. Couture. No. 901,953; Oct. 27; Sp. p. 3940; Dr. p. 804; Gaz. vol. 136; p. 1781.
- Level, Spirit-. J. D. Weaver. No. 902,269; Oct. 27; Sp. p. 4592; Dr. p. 932; Gaz. vol. 136; p. 1882.
- Leveler and scraper. T. W. Clark. No. 904,840; Nov. 24; Sp. p. 4757; Gaz. vol. 137; p. 854.
- Leveler, Road-. S. J. Chapman. No. 900,829; Oct. 13; Sp. p. 1625; Dr. p. 329; Gaz. vol. 136; p. 1350.
- Leveling and plumbing attachment, Gravity. G. Durst. No. 898,853; Sept. 15; Sp. p. 3212; Dr. p. 688; Gaz. vol. 136; p. 584.
- Leveling device. C. A. Benson. No. 894,933; Aug. 4; Sp. p. 321; Dr. p. 64; Gaz. vol. 135; p. 945.
- Leveling instrument. J. A. Mineau. No. 893,344; July 14; Sp. p. 1920; Dr. p. 402; Gaz. vol. 135; p. 345.
- Leveling-rod. W. H. Jones. No. 894,955; Aug. 4; Sp. p. 354; Dr. p. 71; Gaz. vol. 135; p. 952.
- Leveling-rod. W. G. Lenker. No. 905,441; Dec. 1; Sp. p. 666; Gaz. vol. 137; p. 1090.
- Leveling-rod. W. G. Lenker. No. 905,442; Dec. 1; Sp. p. 669; Gaz. vol. 137; p. 1091.
- Leveling-staff. W. F. Darling. No. 886,354; May 5; Sp. p. 27; Dr. p. 6; Gaz. vol. 134; p. 8.
- Lever. T. A. Burke. No. 889,198; June 2; Sp. p. 20; Dr. p. 5; Gaz. vol. 134; p. 1060.
- Lever. F. T. Gracey. No. 907,036; Dec. 15; Sp. p. 3690; Gaz. vol. 137; p. 1657.
- Lever and quadrant-bar, Reversing-. W. W. Kleese. No. 877,202; Jan. 21; Sp. p. 3133; Dr. p. 679; Gaz. vol. 132; p. 576.
- Lever for lifting-jacks. G. R. Booth. No. 882,447; Mar. 17; Sp. p. 3881; Dr. p. 830; Gaz. vol. 133; p. 702.
- Lever-jack. J. Dillon. No. 907,226; Dec. 22; Sp. p. 4100; Gaz. vol. 137; p. 1755.
- Lever-latch, Friction. A. J. McGinn. No. 907,391; Dec. 22; Sp. p. 4412; Gaz. vol. 137; p. 1812.
- Lever-locking means. H. E. Coffin. No. 890,964; June 16; Sp. p. 3626; Dr. p. 789; Gaz. vol. 134; p. 1694.

Alphabetical list of inventions—Continued.

- Lever mechanism. F. Bisantz. No. 907,720; Dec. 29; Sp. p. 5139; Gaz. vol. 137; p. 1950.
- Lever, Power-. W. W. Sutherland. No. 883,255; Mar. 31; Sp. p. 5511; Dr. p. 1175; Gaz. vol. 133; p. 1030.
- Lever, Selective. T. W. Warner and F. H. Jones. No. 885,814; Apr. 28; Sp. p. 4423; Dr. pp. 927-8; Gaz. vol. 133; p. 1978.
- Lovelucose, glucose, &c., Making. F. L. Stewart. No. 879,422; Feb. 18; Sp. p. 3146; Gaz. vol. 132; p. 1423.
- Lewis. J. W. Blanchard and A. E. Covell. No. 880,962; Mar. 3; Sp. p. 980; Dr. p. 207; Gaz. vol. 133; p. 162.
- Lewis. P. Nedd. No. 884,198; Apr. 7; Sp. p. 1106; Dr. p. 231; Gaz. vol. 133; p. 1364.
- Lid-holder. B. F. Coleman and W. J. Ambos. No. 892,134; June 30; Sp. p. 5981; Dr. p. 1285; Gaz. vol. 134; p. 2141.
- Lid-holder. G. A. Schwanke. No. 899,627; Sept. 29; Sp. p. 4734; Dr. p. 1013; Gaz. vol. 136; p. 899.
- Lid-lifter. J. J. Meehan. No. 904,346; Nov. 17; Sp. p. 3723; Gaz. vol. 137; p. 662.
- Lid-lifting attachment. T. D. Logue. No. 897,838; Sept. 1; Sp. p. 1217; Dr. p. 260; Gaz. vol. 136; p. 193.
- Lid-remover. G. A. Gotchall. No. 898,574; Sept. 15; Sp. p. 2693; Dr. p. 575; Gaz. vol. 136; p. 494.
- Lid-support. W. A. Schiller. No. 881,492; Mar. 10; Sp. p. 1997; Dr. p. 435; Gaz. vol. 133; p. 363.
- Life-belt apparatus. J. Fockety. No. 885,918; Apr. 28; Sp. p. 4631; Dr. p. 972; Gaz. vol. 133; p. 2013.
- Life buoy and raft. L. Olson. No. 901,732; Oct. 20; Sp. p. 3515; Dr. p. 711; Gaz. vol. 136; p. 1681.
- Life-preserver. H. W. Fraser. No. 884,143; Apr. 7; Sp. p. 1003; Dr. p. 210; Gaz. vol. 133; p. 1346.
- Life-preserver. L. J. O'Shaughnessy. No. 887,115; May 12; Sp. p. 1543; Dr. p. 327; Gaz. vol. 134; p. 284.
- Life-preserver. H. P. Thorn. No. 899,635; Sept. 29; Sp. p. 4747; Dr. p. 1016; Gaz. vol. 136; p. 901.
- Life-preserver-and-swimming-machine. W. H. Young and O. B. Lyon. No. 885,212; Apr. 21; Sp. p. 3193; Dr. p. 667; Gaz. vol. 133; p. 1755.
- Life-preserving apparatus. C. A. Zetterberg. No. 901,862; Oct. 20; Sp. p. 3751; Dr. p. 763; Gaz. vol. 136; p. 1721.
- Life-saving apparatus. J. W. Neely. No. 896,037; Aug. 11; Sp. p. 2522; Dr. p. 548; Gaz. vol. 135; p. 1332.
- Life-saving appliance. C. H. Krüger. No. 881,417; Mar. 10; Sp. p. 1846; Dr. p. 401; Gaz. vol. 133; p. 338.
- Lift safety appliance. W. Farnsworth. No. 907,021; Dec. 15; Sp. p. 3459; Gaz. vol. 137; p. 1652.
- Lifts. Safety-catch for. A. Jenkins. No. 900,858; Oct. 13; Sp. p. 1674; Dr. p. 339; Gaz. vol. 136; p. 1358.
- Lifter. See Bottle-lifter; Box-lifter; Bread, cake, and pie lifter; Can-lifter; Door-lifter; Egg-lifter; Jar-lifter; Lid-lifter; Pan-lifter; Pipe-lifter; Plate-lifter; Plate and pan lifter; Pot-lifter; Sash-lifter; Shock-lifter; Store-goods lifter; Stove-cover lifter; Stove-lid lifter; Tack and nail lifter; Transom-lifter; Valve-lifter; Window-lifter; Wire-lifter.
- Lifting and lowering apparatus. J. V. Vickell. No. 894,923; Aug. 4; Sp. p. 280; Dr. p. 59; Gaz. vol. 135; p. 942.
- Lifting and transporting apparatus. J. Elsner. No. 900,061; Sept. 29; Sp. p. 5657; Dr. p. 1208; Gaz. vol. 136; p. 1040.
- Lifting apparatus. V. B. Cahill. No. 883,448; Mar. 31; Sp. p. 5336; Dr. p. 1266; Gaz. vol. 133; p. 1094.
- Lifting device. W. F. Hutterer. No. 883,805; Apr. 7; Sp. p. 261; Dr. p. 48; Gaz. vol. 133; p. 1234.
- Lifting device. R. W. Cash. No. 897,060; Aug. 25; Sp. p. 4627; Dr. p. 985; Gaz. vol. 135; p. 1712.
- Lifting-gear. Hydraulic. F. Gauer. No. 902,723; Nov. 3; Sp. p. 383; Gaz. vol. 137; p. 65.
- Lifting-jack. E. W. Topping and T. V. Plice. No. 877,386; Jan. 21; Sp. p. 3487; Dr. p. 757; Gaz. vol. 132; p. 635.
- Lifting-jack. F. L. Gormley. No. 878,522; Feb. 11; Sp. p. 1342; Dr. p. 272; Gaz. vol. 133; p. 1089.
- Lifting-jack. W. E. Maxwell and J. M. Rowell. No. 879,396; Feb. 18; Sp. p. 3075; Dr. p. 639; Gaz. vol. 132; p. 1412.
- Lifting-jack. E. E. Ryan. No. 879,552; Feb. 18; Sp. p. 3513; Dr. p. 735; Gaz. vol. 132; p. 1477.
- Lifting-jack. D. W. Reardon. No. 879,673; Feb. 18; Sp. p. 3673; Dr. p. 768; Gaz. vol. 132; p. 1503.
- Lifting-jack. G. F. Freed. No. 880,874; Mar. 3; Sp. p. 804; Dr. pp. 170-1; Gaz. vol. 133; p. 134.
- Lifting-jack. M. L. Jenkins. No. 882,004; Mar. 17; Sp. p. 3058; Dr. p. 650; Gaz. vol. 133; p. 559.
- Lifting-jack. I. J. Keeler. No. 882,066; Mar. 17; Sp. p. 3181; Dr. p. 676; Gaz. vol. 133; p. 579.
- Lifting-jack. E. H. Z. Berge. No. 882,991; Mar. 24; Sp. p. 4970; Dr. p. 1057; Gaz. vol. 133; p. 913.
- Lifting-jack. R. O. Hopkinson and R. L. Edgcombe. No. 885,050; Apr. 21; Sp. p. 2828; Dr. p. 598; Gaz. vol. 133; p. 1702.
- Lifting-jack. C. Collier and J. C. Riggs. No. 886,766; May 5; Sp. p. 893; Dr. p. 185; Gaz. vol. 134; p. 147.
- Lifting-jack. D. D. Cooke. No. 887,190; May 12; Sp. p. 1673; Dr. p. 355; Gaz. vol. 134; p. 307.
- Lifting-jack. J. H. Burkholder. No. 887,734; May 12; Sp. p. 2829; Dr. p. 598; Gaz. vol. 134; p. 490.
- Lifting-jack. W. A. Scott, J. J. King, and C. J. Brown. No. 890,459; June 9; Sp. p. 2534; Dr. p. 560; Gaz. vol. 134; p. 1494.
- Lifting-jack. F. C. Butler and E. Cook. No. 891,523; June 23; Sp. p. 4746; Dr. p. 1028; Gaz. vol. 134; p. 1908.
- Lifting-jack. W. L. Hardy. No. 891,988; June 30; Sp. p. 5719; Dr. p. 1230; Gaz. vol. 134; p. 2094.
- Lifting-jack. F. E. Modlin. No. 893,931; July 21; Sp. p. 3229; Dr. p. 666; Gaz. vol. 135; p. 563.
- Lifting-jack. F. I. Joyce. No. 894,441; July 28; Sp. p. 4327; Dr. p. 892; Gaz. vol. 135; p. 758.
- Lifting-jack. J. Q. Primm. No. 896,151; Aug. 18; Sp. p. 2718; Dr. p. 587; Gaz. vol. 135; p. 1389.
- Lifting-jack. J. F. Hale. No. 896,725; Aug. 25; Sp. p. 3868; Dr. p. 837; Gaz. vol. 135; p. 1597.
- Lifting-jack. C. Goble. No. 897,827; Sept. 1; Sp. p. 1192; Dr. pp. 252-3; Gaz. vol. 136; p. 189.
- Lifting-jack. F. E. Farnham. No. 899,161; Sept. 22; Sp. p. 3799; Dr. p. 813; Gaz. vol. 136; p. 712.
- Lifting-jack. J. A. Phillips. No. 900,200; Oct. 6; Sp. p. 268; Dr. p. 54; Gaz. vol. 136; p. 1116.
- Lifting-jack. G. H. Gilman and H. M. Robertson. No. 900,720; Oct. 13; Sp. p. 1390; Dr. p. 283; Gaz. vol. 136; p. 1313.
- Lifting-jack. M. L. Jenkins. No. 902,884; Nov. 3; Sp. p. 724; Gaz. vol. 137; p. 119.
- Lifting-jack. S. B. Minnich. No. 904,551; Nov. 24; Sp. p. 4152; Gaz. vol. 137; p. 757.
- Lifting-jack. J. S. Hearn. No. 905,528; Dec. 1; Sp. p. 849; Gaz. vol. 137; p. 1118.
- Lifting-jack. R. O. Hopkinson and R. L. Edgcombe. No. 907,500; Dec. 22; Sp. p. 4648; Gaz. vol. 137; p. 1849.
- Lifting-jack, Motor-car. I. P. Nelson, A. L. Meeks, T. O. Shappell, and J. A. Smalley. No. 896,853; Aug. 25; Sp. p. 4162; Dr. p. 891; Gaz. vol. 135; p. 1642.
- Lifting or hoisting gear for lifting forage, grain-bags, &c. E. M. A. Marilly. No. 880,230; Feb. 25; Sp. p. 4842; Dr. p. 1024; Gaz. vol. 132; p. 1721.
- Light. See Automatic light; Building-light; Cab-light; Fog-penetrating light; Incandescent light; Vault-light.
- Light-box. C. M. Olin. No. 878,418; Feb. 4; Sp. p. 1055; Dr. p. 213; Gaz. vol. 132; p. 1022.
- Light electrode, Arc-. B. Monasch. No. 905,557; Dec. 1; Sp. p. 902; Gaz. vol. 137; p. 1127.
- Light-fixture. A. B. Wilson. No. 897,947; Sept. 8; Sp. p. 1470; Dr. pp. 312-13; Gaz. vol. 136; p. 262.
- Light-fixture, Adjustable. G. W. Craighead. No. 901,955; Oct. 27; Sp. p. 3944; Dr. p. 805; Gaz. vol. 136; p. 1782.
- Light-producing device, Intermitting-. J. C. F. Jürgens. No. 897,981; Sept. 8; Sp. p. 1540; Dr. p. 327; Gaz. vol. 136; p. 272.
- Lighter. A. E. Caghey. No. 884,128; Apr. 7; Sp. p. 973; Dr. p. 202; Gaz. vol. 133; p. 1342.
- Lighting and heating apparatus, High-pressure. H. L. Fox. No. 908,492; Dec. 29; Sp. p. 6575; Gaz. vol. 137; p. 2180.
- Lighting device. O. K. Thomson and R. D. Cody. No. 893,951; July 21; Sp. p. 3271; Dr. p. 673; Gaz. vol. 135; p. 574.
- Lighting device or torch. F. M. Moore. No. 902,504; Oct. 27; Sp. p. 5127; Dr. p. 1038; Gaz. vol. 136; p. 1962.
- Lighting-fixtures, Tripod for supporting. E. A. Emery. No. 901,795; Oct. 20; Sp. p. 3641; Dr. p. 736; Gaz. vol. 136; p. 1701.
- Lighting-fixtures, Canopy attachment for. G. W. Cassidy. No. 885,017; Apr. 21; Sp. p. 2754; Dr. p. 584; Gaz. vol. 133; p. 1691.
- Lightning-arrester. G. W. Clark. No. 879,522; Feb. 18; Sp. p. 3343; Dr. p. 698; Gaz. vol. 132; p. 1454.
- Lightning-arrester. F. P. Cauble. No. 882,096; Mar. 17; Sp. p. 3235; Dr. p. 688; Gaz. vol. 133; p. 589.
- Lightning-arrester. N. J. Neall. No. 882,265; Mar. 17; Sp. p. 3566; Dr. p. 756; Gaz. vol. 133; p. 642.
- Lightning-arrester. W. T. Goddard. No. 882,673; Mar. 24; Sp. p. 4340; Dr. p. 923; Gaz. vol. 133; p. 810.
- Lightning-arrester. M. Berry. No. 883,280; Mar. 31; Sp. p. 5563; Dr. pp. 1187-8; Gaz. vol. 133; p. 1038.
- Lightning-arrester. H. V. Bastin. No. 883,613; Mar. 31; Sp. p. 6245; Dr. p. 1332; Gaz. vol. 133; p. 1144.
- Lightning-arrester. J. Pearson. No. 887,221; May 12; Sp. p. 1728; Dr. pp. 367-8; Gaz. vol. 134; p. 317.
- Lightning-arrester. D. B. Rushmore. No. 887,525; May 12; Sp. p. 2444; Dr. p. 515; Gaz. vol. 134; p. 420.
- Lightning-arrester. E. S. Halsey. No. 888,235; May 19; Sp. p. 3808; Dr. p. 800; Gaz. vol. 134; p. 681.
- Lightning-arrester. R. B. Merriam. No. 890,679; June 16; Sp. p. 3009; Dr. p. 660; Gaz. vol. 134; p. 1600.
- Lightning-arrester. E. D. Mershon. No. 893,742; July 21; Sp. p. 2852; Dr. p. 586; Gaz. vol. 135; p. 507.
- Lightning-arrester. M. Milch. No. 894,518; July 28; Sp. p. 4469; Dr. p. 925; Gaz. vol. 135; p. 782.
- Lightning-arrester. E. Heddaeus and R. Nothnagel. No. 895,752; Aug. 11; Sp. p. 1953; Dr. p. 413; Gaz. vol. 135; p. 1240.
- Lightning-arrester. K. Kuhlmann. No. 897,212; Aug. 25; Sp. p. 4893; Dr. p. 1042; Gaz. vol. 135; p. 1758.
- Lightning-arrester. C. P. Steinmetz. No. 897,800; Sept. 1; Sp. p. 1143; Dr. p. 243; Gaz. vol. 136; p. 181.
- Lightning-arrester. F. P. H. Knight. No. 897,906; Sept. 8; Sp. p. 1366; Dr. p. 293; Gaz. vol. 136; p. 248.
- Lightning-arrester. J. B. Struble. No. 901,207; Oct. 13; Sp. p. 2348; Dr. p. 480; Gaz. vol. 136; p. 1469.
- Lightning-arrester. A. Oleson. No. 907,866; Dec. 29; Sp. p. 5430; Gaz. vol. 137; p. 1999.
- Lightning-arrester for electrical circuits. R. B. Ingram. No. 894,150; July 21; Sp. p. 3686; Dr. p. 765; Gaz. vol. 135; p. 641.
- Lightning-arrester resistance. H. W. Buck. No. 895,956; Aug. 11; Sp. p. 2358; Dr. p. 506; Gaz. vol. 135; p. 1305.
- Lightning-arrester, Security. W. E. Drake. No. 883,303; Mar. 31; Sp. p. 5614; Dr. p. 1197; Gaz. vol. 133; p. 1046.
- Lightning-protector attachment for trees. J. P. A. Anderson. No. 880,854; Mar. 3; Sp. p. 755; Dr. p. 160; Gaz. vol. 133; p. 198.
- Lightning-rod. L. L. Mast. No. 877,442; Jan. 21; Sp. p. 3600; Dr. p. 730; Gaz. vol. 132; p. 655.
- Lightning-rod. G. R. Kress. No. 904,969; Nov. 24; Sp. p. 5022; Gaz. vol. 137; p. 896.
- Lightning-rod terminal. J. P. Turner. No. 895,916; Aug. 11; Sp. p. 2276; Dr. p. 486; Gaz. vol. 135; p. 1293.
- Lightning-rods, Machine for making cable. W. C. Shinn. No. 887,277; May 12; Sp. p. 1896; Dr. pp. 401-2; Gaz. vol. 134; p. 336.
- Limb, Artificial. G. X. Roberts. No. 876,017; Jan. 7; Sp. p. 643; Dr. p. 137; Gaz. vol. 132; p. 111.

Alphabetical list of inventions—Continued.

- Limb, Artificial. H. Hanger. No. 907,146; Dec. 22; Sp. p. 3924; Gaz. vol. 137; p. 1729.
- Limbs, Cushioned joint for artificial. J. F. Rowley. No. 905,372; Dec. 1; Sp. p. 487; Gaz. vol. 137; p. 1066.
- Lime and sulfur boiling apparatus. F. O. Moburg. No. 881,434; Mar. 10; Sp. p. 1877; Dr. p. 408; Gaz. vol. 133; p. 343.
- Lime hydrate, Apparatus for the production of. W. Schulthess. No. 897,495; Sept. 1; Sp. p. 519; Dr. pp. 110-II; Gaz. vol. 136; p. 82.
- Lime-hydrating apparatus. C. Ellis. No. 878,619; Feb. 11; Sp. p. 1575; Dr. p. 320; Gaz. vol. 132; p. 1123.
- Lime, Manufacture of chlorinated compounds of. H. Schultze. No. 888,122; May 19; Sp. p. 3003; Gaz. vol. 134; p. 645.
- Limekiln. F. J. Buckley. No. 885,719; Apr. 28; Sp. p. 4217; Dr. pp. 882-3; Gaz. vol. 133; p. 1946.
- Limekiln. R. H. Moler. No. 886,837; May 5; Sp. p. 1018; Dr. p. 214; Gaz. vol. 134; p. 167.
- Line-cutting machines, Galleys for. D. S. Kennedy. No. 884,022; Apr. 7; Sp. p. 716; Dr. p. 145; Gaz. vol. 133; p. 1307.
- Line-cutting device. H. A. Kunze. No. 893,173; July 14; Sp. p. 1592; Dr. p. 335; Gaz. vol. 135; p. 290.
- Line-holder. F. S. Jolly. No. 883,644; Mar. 31; Sp. p. 6312; Dr. p. 1346; Gaz. vol. 133; p. 1153.
- Line-indicator. C. G. Mutzenberg. No. 890,438; June 9; Sp. p. 2503; Dr. p. 554; Gaz. vol. 134; p. 1488.
- Line-tightener. A. Keck. No. 898,899; Sept. 15; Sp. p. 3296; Dr. p. 705; Gaz. vol. 136; p. 590.
- Linemen's climbers, Safety attachment for. J. D. O'Connell. No. 888,254; May 19; Sp. p. 3847; Dr. p. 808; Gaz. vol. 134; p. 688.
- Linen, Apparatus for washing. F. L. Bartelt. No. 904,828; Nov. 24; Sp. p. 4738; Gaz. vol. 137; p. 850.
- Liner-plate. B. A. O. Prohlus. No. 877,732; Jan. 28; Sp. p. 4182; Dr. p. 906; Gaz. vol. 132; p. 768.
- Link connection. A. C. Dowse. No. 891,153; June 16; Sp. p. 3951; Dr. p. 807; Gaz. vol. 134; p. 1753.
- Linoleum and like fabrics, Machinery for calendering. J. Wright. No. 906,179; Dec. 8; Sp. p. 2090; Gaz. vol. 137; p. 1358.
- Linoleum, Device for filling apparatus for making patterns in. P. Blaubach. No. 890,596; June 16; Sp. p. 2830; Dr. p. 623; Gaz. vol. 134; p. 1571.
- Linoleum, Inlaid. T. T. Hollinger. No. 884,732; Apr. 14; Sp. p. 2183; Dr. p. 463; Gaz. vol. 133; p. 1568.
- Linoleum, Pressing machinery for use in the manufacture of inlaid. E. Batten. No. 885,565; Apr. 21; Sp. p. 3912; Dr. p. 817; Gaz. vol. 133; p. 1868.
- Linoleum to a backing, Apparatus for transferring inlaid. J. Wright. No. 906,178; Dec. 8; Sp. p. 2089; Gaz. vol. 137; p. 1358.
- Linotype and other type-casting machine. C. A. Albrecht. No. 880,264; Feb. 25; Sp. p. 4905; Dr. p. 1037; Gaz. vol. 132; p. 1731.
- Linotype-machine. J. B. Bell. No. 879,239; Feb. 18; Sp. p. 2759; Dr. pp. 577-8; Gaz. vol. 132; p. 1362.
- Linotype-machine. F. T. Converse, Jr. No. 880,779; Mar. 3; Sp. p. 536; Dr. pp. 1-4-5; Gaz. vol. 133; p. 101.
- Linotype-machine. P. T. Dodge. No. 883,180; Mar. 31; Sp. p. 5352; Dr. p. 1140; Gaz. vol. 133; p. 1005.
- Linotype-machine. J. H. Holbourns and H. A. Longhurst. No. 885,156; Apr. 21; Sp. p. 3061; Dr. p. 643; Gaz. vol. 133; p. 1736.
- Linotype-machine. A. Dow. No. 886,584; May 5; Sp. p. 472; Dr. pp. 100-1; Gaz. vol. 134; p. 86.
- Linotype-machine. A. Dow. No. 886,585; May 5; Sp. p. 476; Dr. pp. 101-2; Gaz. vol. 134; p. 87.
- Linotype-machine. A. Dow. No. 886,586; May 5; Sp. p. 480; Dr. pp. 102-3; Gaz. vol. 134; p. 87.
- Linotype-machine. A. Dow. No. 886,587; May 5; Sp. p. 487; Dr. pp. 104-5; Gaz. vol. 134; p. 87.
- Linotype-machine. W. H. Scharf. No. 886,646; May 5; Sp. p. 599; Dr. pp. 124-5; Gaz. vol. 134; p. 104.
- Linotype-machine. D. S. Kennedy. No. 888,176; May 19; Sp. p. 3705; Dr. p. 773; Gaz. vol. 134; p. 661.
- Linotype-machine. S. Kennedy. No. 888,177; May 19; Sp. p. 3706; Dr. p. 774; Gaz. vol. 134; p. 661.
- Linotype-machine. T. S. Homans. No. 888,402; May 19; Sp. p. 4126; Dr. pp. 870-5; Gaz. vol. 134; p. 734.
- Linotype-machine. H. Petersen. No. 888,649; May 26; Sp. p. 4660; Dr. p. 990; Gaz. vol. 134; p. 850.
- Linotype-machine. H. Petersen. No. 888,650; May 26; Sp. p. 4662; Dr. pp. 990-1; Gaz. vol. 134; p. 850.
- Linotype-machine. F. B. Converse. No. 888,786; May 26; Sp. p. 4953; Dr. pp. 1056-7; Gaz. vol. 134; p. 894.
- Linotype-machine. J. G. Holbourns and H. A. Longhurst. No. 889,231; June 2; Sp. p. 79; Dr. pp. 17-18; Gaz. vol. 134; p. 1071.
- Linotype-machine. J. R. Rogers. No. 889,400; June 2; Sp. p. 412; Dr. p. 99; Gaz. vol. 134; p. 1124.
- Linotype-machine. W. H. Scharf. No. 889,552; June 2; Sp. p. 722; Dr. pp. 166-7; Gaz. vol. 134; p. 1173.
- Linotype-machine. D. S. Kennedy. No. 889,617; June 2; Sp. p. 838; Dr. p. 191; Gaz. vol. 134; p. 1194.
- Linotype-machine. J. R. Rogers. No. 890,177; June 9; Sp. p. 1974; Dr. pp. 435-6; Gaz. vol. 134; p. 1404.
- Linotype-machine. J. R. Rogers. No. 890,178; June 9; Sp. p. 1977; Dr. pp. 436-7; Gaz. vol. 134; p. 1405.
- Linotype-machine. F. B. Converse, Jr. No. 890,263; June 9; Sp. p. 2146; Dr. p. 471; Gaz. vol. 134; p. 1432.
- Linotype-machine. D. S. Kennedy. No. 890,283; June 9; Sp. p. 2214; Dr. p. 487; Gaz. vol. 134; p. 1438.
- Linotype-machine. T. S. Homans. No. 890,425; June 9; Sp. p. 2479; Dr. p. 549; Gaz. vol. 134; p. 1484.
- Linotype-machine. J. R. Rogers. No. 901,478; Oct. 20; Sp. p. 2976; Dr. pp. 606-7; Gaz. vol. 136; p. 1597.
- Linotype-machine. J. R. Rogers. No. 903,505; Nov. 10; Sp. p. 1940; Gaz. vol. 137; p. 350.
- Linotype-machine attachment. O. H. Desmarais. No. 907,754; Dec. 29; Sp. p. 5207; Gaz. vol. 137; p. 1961.
- Linotype-machine magazine. H. Pearce. No. 880,568; Mar. 3; Sp. p. 157; Dr. pp. 34-5; Gaz. vol. 133; p. 30.
- Linotype-machine matrix. A. Dow. No. 887,034; May 5; Sp. p. 1380; Dr. p. 293; Gaz. vol. 134; p. 229.
- Linotype-machine mold. D. Petri-Palmedo. No. 881,716; Mar. 10; Sp. p. 2442; Dr. p. 525; Gaz. vol. 133; p. 435.
- Linotype-machine spacer or justifier. A. Dow. No. 887,035; May 5; Sp. p. 1382; Dr. p. 294; Gaz. vol. 134; p. 230.
- Linotype-machines, Adjustable trimming-knife for. F. J. Caine and G. H. Mitton. No. 876,524; Jan. 14; Sp. p. 1709; Dr. p. 371; Gaz. vol. 132; p. 310.
- Linotype-machines, Assembler slide-brake for. R. F. Wilson. No. 880,346; Feb. 25; Sp. p. 5052; Dr. p. 1067; Gaz. vol. 132; p. 1758.
- Linotype-machines, Cabinet for liners and blades for. T. F. Muldoon. No. 885,777; Apr. 28; Sp. p. 4339; Dr. p. 910; Gaz. vol. 133; p. 1965.
- Linotype-machines, Distributer for. J. R. Rogers. No. 890,303; June 9; Sp. p. 2253; Dr. pp. 495-8; Gaz. vol. 134; p. 1445.
- Linotype-machines, Liner for molds for. W. A. Roseberry and P. S. Junkin. No. 892,685; July 7; Sp. p. 568; Dr. p. 120; Gaz. vol. 135; p. 100.
- Linotype-machines, Signal attachment for. D. S. Knox. No. 884,934; Apr. 14; Sp. p. 2587; Dr. pp. 545-6; Gaz. vol. 133; p. 1632.
- Linotype-machines, Sorting mechanism for. J. Froehlich. No. 890,269; June 9; Sp. p. 2188; Dr. p. 480-1; Gaz. vol. 134; p. 1433.
- Linotype-machines, Wide-spacing attachment for. G. E. Wallin. No. 887,678; May 12; Sp. p. 2724; Dr. p. 576; Gaz. vol. 134; p. 470.
- Linotype-slug trimmer. G. E. Wallin. No. 889,074; May 26; Sp. p. 5521; Dr. p. 1174; Gaz. vol. 134; p. 987.
- Linter-bats, Machine for making. L. W. Haskell and J. Davidson. No. 889,461; June 2; Sp. p. 548; Dr. p. 129; Gaz. vol. 134; p. 1145.
- Liquation-furnace. R. Baggeley, C. M. Allen, and E. W. Lindquist. No. 902,047; Oct. 27; Sp. p. 4146; Dr. pp. 840-1; Gaz. vol. 136; p. 1812.
- Liquid-actuating apparatus. R. Conrad. No. 879,146; Feb. 18; Sp. p. 2585; Dr. p. 538; Gaz. vol. 132; p. 1331.
- Liquid-agitator. J. and M. Valiquette. No. 890,315; June 9; Sp. p. 2281; Dr. p. 503; Gaz. vol. 134; p. 1449.
- Liquid and cup dispensing apparatus. A. MacLeod. No. 896,405; Aug. 18; Sp. p. 3237; Dr. p. 694; Gaz. vol. 135; p. 1472.
- Liquid-applying device. H. G. Campbell. No. 898,963; Sept. 15; Sp. p. 3408; Dr. pp. 731-2; Gaz. vol. 136; p. 620.
- Liquid-applying instrument. J. A. Boyajeau and E. S. Craddock. No. 886,932; May 5; Sp. p. 1187; Dr. p. 250; Gaz. vol. 134; p. 197.
- Liquid-atomizing apparatus. P. Kestner. No. 888,091; May 19; Sp. p. 3547; Dr. p. 741; Gaz. vol. 134; p. 635.
- Liquid-boiling pot. S. M. Sivard. No. 908,044; Dec. 29; Sp. p. 5807; Gaz. vol. 137; p. 2056.
- Liquid-carbonating apparatus. H. Pein. No. 906,555; Dec. 15; Sp. p. 2790; Gaz. vol. 137; p. 1506.
- Liquid-concentrating apparatus. J. H. Campbell. No. 879,515; Feb. 18; Sp. p. 3334; Dr. p. 696; Gaz. vol. 132; p. 1453.
- Liquid-concentrating apparatus. P. Kestner. No. 882,322; Mar. 17; Sp. p. 3669; Dr. p. 779; Gaz. vol. 133; p. 661.
- Liquid-delivering machine. H. O. Johnson. No. 903,196; Nov. 10; Sp. p. 1322; Gaz. vol. 137; p. 247.
- Liquid-depth gage. H. E. Dobson. No. 884,370; Apr. 14; Sp. p. 1434; Dr. p. 306; Gaz. vol. 133; p. 1449.
- Liquid-dispensing apparatus. H. S. Cornish. No. 887,312; May 12; Sp. p. 1991; Dr. p. 418; Gaz. vol. 134; p. 350.
- Liquid-dispensing apparatus. W. C. Mayo and J. Houlehan. No. 896,737; Aug. 25; Sp. p. 3887; Dr. p. 840; Gaz. vol. 135; p. 1601.
- Liquid-dispensing apparatus. R. W. Elliott. No. 897,359; Sept. 1; Sp. p. 242; Dr. p. 50; Gaz. vol. 136; p. 35.
- Liquid-dispensing apparatus. W. C. Mayo and J. Houlehan. No. 903,214; Nov. 10; Sp. p. 1364; Gaz. vol. 137; p. 253.
- Liquid-dispensing apparatus. P. Bardy. No. 908,194; Dec. 29; Sp. p. 6132; Gaz. vol. 137; p. 2108.
- Liquid-dispensing can. S. P. Hasey. No. 901,442; Oct. 20; Sp. p. 2894; Dr. p. 589; Gaz. vol. 136; p. 1585.
- Liquid-dispensing vessel. L. G. Langstaff. No. 877,509; Jan. 28; Sp. p. 3743; Dr. p. 810; Gaz. vol. 132; p. 697.
- Liquid-dispensing vessel. L. G. Langstaff. No. 901,714; Oct. 20; Sp. p. 3482; Dr. p. 704; Gaz. vol. 136; p. 1675.
- Liquid-distributing system. A. Bowser. No. 889,575; June 2; Sp. p. 764; Dr. p. 175; Gaz. vol. 134; p. 1180.
- Liquid drawing and measuring apparatus. J. J. Tokheim. No. 903,244; Nov. 10; Sp. p. 1421; Gaz. vol. 137; p. 263.
- Liquid-drawing apparatus. L. W. Harrington and B. Leonard. No. 888,493; May 26; Sp. p. 4340; Dr. p. 919; Gaz. vol. 134; p. 795.
- Liquid-elevator, Compressed-air. J. H. Phillips. No. 880,570; Mar. 3; Sp. p. 162; Dr. p. 35; Gaz. vol. 133; p. 30.
- Liquid filling-tube. A. Schneider. No. 904,092; Nov. 17; Sp. p. 3157; Gaz. vol. 137; p. 673.
- Liquid-flow controller. S. Vivian. No. 894,784; July 28; Sp. p. 4981; Dr. p. 1039; Gaz. vol. 135; p. 868.
- Liquid-fuel burner. J. A. Willis. No. 894,993; Aug. 4; Sp. p. 441; Dr. p. 90; Gaz. vol. 135; p. 966.
- Liquid-fuel furnace. J. W. M., and M. M. Burdon. No. 882,294; Mar. 17; Sp. p. 3615; Dr. pp. 766-7; Gaz. vol. 133; p. 652.
- Liquid-gage. G. E. Whitney. No. 890,742; June 16; Sp. p. 3158; Dr. p. 692; Gaz. vol. 134; p. 1620.
- Liquid-heater. F. Novotny. No. 906,653; Dec. 15; Sp. p. 2968; Gaz. vol. 137; p. 1536.
- Liquid-heating apparatus. A. T. Pfeiff. No. 883,339; Mar. 31; Sp. p. 5671; Dr. p. 1211; Gaz. vol. 133; p. 1056.

Alphabetical list of inventions—Continued.

- Liquid heating, cooling, and pasteurizing apparatus. F. Tyson. No. 887,712; May 12; Sp. p. 2780; Dr. p. 587; Gaz. vol. 134; p. 482.
- Liquid heating, cooling, and pasteurizing apparatus. J. F. Moul. No. 890,684; June 16; Sp. p. 3018; Dr. pp. 662-3; Gaz. vol. 134; p. 1602.
- Liquid-holder, Dispensing. H. P. Gorman. No. 886,596; May 5; Sp. p. 504; Dr. p. 108; Gaz. vol. 134; p. 90.
- Liquid-holding tank, Hot-. C. E. Clisbee. No. 898,186; Sept. 8; Sp. p. 1943; Dr. p. 415; Gaz. vol. 136; p. 337.
- Liquid-impelling device. E. P. Holly. No. 900,853; Oct. 13; Sp. p. 1666; Dr. p. 337; Gaz. vol. 136; p. 1357.
- Liquid-meter. S. Bramley-Moore. No. 879,141; Feb. 18; Sp. p. 2576; Dr. pp. 536-7; Gaz. vol. 132; p. 1329.
- Liquid-meter. R. Lohse. No. 879,563; Feb. 18; Sp. p. 3433; Dr. p. 719; Gaz. vol. 132; p. 1468.
- Liquid-meter. R. Fritsch. No. 888,481; May 26; Sp. p. 4320; Dr. p. 914; Gaz. vol. 134; p. 792.
- Liquid-meter. W. G. Kent. No. 897,904; Sept. 8; Sp. p. 1363; Dr. p. 292; Gaz. vol. 136; p. 247.
- Liquid-purifying apparatus, Electrolytic. J. T. Harris. No. 894,435; July 28; Sp. p. 4315; Dr. p. 889; Gaz. vol. 135; p. 756.
- Liquid-purifying apparatus, Electrolytic. J. T. Harris. No. 900,926; Oct. 13; Sp. p. 1828; Dr. pp. 371-2; Gaz. vol. 136; p. 1380.
- Liquid-raising apparatus. J. M. Babb. No. 901,414; Oct. 20; Sp. p. 2814; Dr. p. 575; Gaz. vol. 136; p. 1575.
- Liquid-raising device. G. Waldmann. No. 882,725; Mar. 24; Sp. p. 4439; Dr. p. 944; Gaz. vol. 133; p. 826.
- Liquid-receptacle. C. W. Fox. No. 901,433; Oct. 20; Sp. p. 2858; Dr. p. 584; Gaz. vol. 136; p. 1581.
- Liquid receptacle, Combustible-. L. Kessler. No. 900,102; Oct. 6; Sp. p. 56; Dr. p. 11; Gaz. vol. 136; p. 1084.
- Liquid-receptacle, Portable. L. Kessler. No. 900,103; Oct. 6; Sp. p. 59; Dr. p. 11; Gaz. vol. 136; p. 1084.
- Liquid-ripeners. A. Jensen. No. 881,128; Mar. 10; Sp. p. 1267; Dr. pp. 273-4; Gaz. vol. 133; p. 245.
- Liquid-sampler. J. J. Drawe. No. 892,944; July 7; Sp. p. 1119; Dr. p. 235; Gaz. vol. 135; p. 186.
- Liquid-separator, Automatic. O. Zerkowitz. No. 896,262; Aug. 18; Sp. p. 2933; Dr. p. 632; Gaz. vol. 135; p. 1427.
- Liquid-separator, Centrifugal. E. W. Richmond. No. 894,855; Aug. 4; Sp. p. 105; Dr. pp. 22-3; Gaz. vol. 135; p. 918.
- Liquid-separator, Centrifugal. G. J. Bragg. No. 901,149; Oct. 13; Sp. p. 2246; Dr. p. 456; Gaz. vol. 136; p. 1452.
- Liquid-separator liner, Centrifugal-. J. V. M. Risberg. No. 902,913; Nov. 3; Sp. p. 769; Gaz. vol. 136; p. 127.
- Liquid-supply apparatus, Air-exhausting. C. A. Claffin. No. 881,548; Mar. 10; Sp. p. 2095; Dr. p. 458; Gaz. vol. 133; p. 381.
- Liquid-treating apparatus. W. A. Hendryx. No. 889,130; May 26; Sp. p. 5660; Dr. p. 1198; Gaz. vol. 134; p. 1005.
- Liquid-treating apparatus. W. F. M. Goss. No. 890,227; June 9; Sp. p. 2074; Dr. p. 455; Gaz. vol. 134; p. 1420.
- Liquid-vending device. H. Pein. No. 906,554; Dec. 15; Sp. p. 2787; Gaz. vol. 137; p. 1506.
- Liquid yeast mixtures for bread, Preparing. W. J. Temple. No. 904,573; Nov. 24; Sp. p. 4197; Gaz. vol. 137; p. 764.
- Liquids and gases, Apparatus for mixing. B. Leuschner. No. 903,297; Nov. 10; Sp. p. 1521; Gaz. vol. 137; p. 281.
- Liquids and gases, Manufacture of receptacles for. P. Zürn. No. 907,552; Dec. 22; Sp. p. 4734; Gaz. vol. 137; p. 1865.
- Liquids and liquid-containers, Treating. F. B. Camors. No. 896,272; Aug. 18; Sp. p. 2953; Gaz. vol. 135; p. 1430.
- Liquids, Apparatus for automatically discharging. A. Priestman. No. 884,522; Apr. 14; Sp. p. 1727; Dr. p. 371; Gaz. vol. 133; p. 1497.
- Liquids, Apparatus for controlling the flow of. J. W. Cox. No. 897,593; Sept. 1; Sp. p. 722; Dr. pp. 152-3; Gaz. vol. 136; p. 114.
- Liquids, Apparatus for removing foreign substances from. M. Altolaguirre and J. Zubillaga. No. 881,451; Mar. 10; Sp. p. 1911; Dr. p. 416; Gaz. vol. 133; p. 349.
- Liquids, Apparatus for separating solids from. E. W. Deming. No. 885,450; Apr. 21; Sp. p. 3659; Dr. p. 767; Gaz. vol. 133; p. 1833.
- Liquids, Apparatus for the sterilization of. H. J. Wessels. No. 906,975; Dec. 15; Sp. p. 3578; Gaz. vol. 137; p. 1637.
- Liquids, Centrifugal fan or machine for atomizing. P. Kestner. No. 888,090; May 19; Sp. p. 3545; Dr. p. 741; Gaz. vol. 134; p. 635.
- Liquids, Electrochemical concentration of. G. W. Nistle and R. L. Gifford. No. 896,749; Aug. 25; Sp. p. 3930; Dr. p. 847; Gaz. vol. 135; p. 1605.
- Liquids, Electrolysis of. J. Billiter. No. 903,951; Nov. 17; Sp. p. 2883; Gaz. vol. 137; p. 526.
- Liquids from gases or vapors, Apparatus for separating. K. Brünner and O. Bühring. No. 877,460; Jan. 21; Sp. p. 3626; Dr. p. 785; Gaz. vol. 132; p. 659.
- Liquids in centrifugal fans or drums, Distribution of. P. Kestner. No. 888,092; May 19; Sp. p. 3548; Dr. pp. 741-2; Gaz. vol. 134; p. 635.
- Liquids, Machine for separating solids from. F. K. and E. F. Atkins. No. 901,056; Oct. 13; Sp. p. 2077; Dr. pp. 423-4; Gaz. vol. 136; p. 1422.
- Liquids, &c., Regulator for. H. Sandvoss. No. 881,491; Mar. 10; Sp. p. 1996; Dr. p. 435; Gaz. vol. 133; p. 362.
- Liquids, Safety device for the mouths of vessels containing volatile combustible. L. Schön. No. 899,911; Sept. 29; Sp. p. 5305; Dr. p. 1134; Gaz. vol. 136; p. 991.
- Liquids, Separating solids from. E. W. Deming. No. 885,451; Apr. 21; Sp. p. 3661; Dr. p. 768; Gaz. vol. 133; p. 1833.
- Liquids, Separating the moisture from the constituent solids of. L. C. and I. S. Merrell and W. B. Gere. No. 878,977; Feb. 11; Sp. p. 2240; Dr. p. 469; Gaz. vol. 132; p. 1236.
- Liquids, Treating comminuted solids with. A. Adair. No. 894,417; July 28; Sp. p. 4276; Dr. p. 882; Gaz. vol. 135; p. 749.
- Liquids under pressure, Apparatus for subjecting materials to the action of. L. Détré. No. 898,444; Sept. 15; Sp. p. 2435; Dr. pp. 521-2; Gaz. vol. 136; p. 452.
- Liquor-casks which have been once used, Recovering spirits from internally-charred. L. Lange. No. 893,253; July 14; Sp. p. 1751; Gaz. vol. 135; p. 315.
- Liquors, Electrolytic apparatus for use in the manufacture of bleaching. A. Vogelsang. No. 906,669; Dec. 15; Sp. p. 2994; Gaz. vol. 137; p. 1540.
- Liquors, Storage and distribution of. M. O'Neill. No. 893,358; July 14; Sp. p. 1948; Dr. p. 409; Gaz. vol. 135; p. 350.
- Lister and fertilizer-distributor. R. G. Wilson. No. 902,516; Oct. 27; Sp. p. 5147; Dr. pp. 1042-3; Gaz. vol. 136; p. 1967.
- Lister-sweep. J. P. Burns. No. 896,083; Aug. 18; Sp. p. 2608; Dr. p. 565; Gaz. vol. 135; p. 1376.
- Listing-machine. J. F. Mays. No. 899,229; Sept. 22; Sp. p. 3920; Dr. pp. 837-8; Gaz. vol. 136; p. 734.
- Lithium compounds, Preparing pure. W. E. Wadman. No. 876,851; Jan. 14; Sp. p. 2355; Gaz. vol. 132; p. 416.
- Lithographic presses, Inking mechanism for rotary. D. A. Wilson. No. 892,700; July 7; Sp. p. 596; Dr. p. 129; Gaz. vol. 135; p. 105.
- Lithographic stone, Cemented. H. Wagner. No. 878,322; Feb. 4; Sp. p. 877; Dr. p. 174; Gaz. vol. 132; p. 990.
- Lithopone and making the same, Non-darkening. I. P. Lihme. No. 883,142; Mar. 24; Sp. p. 5271; Gaz. vol. 133; p. 963.
- Litter-carrier. B. Dahl. No. 902,860; Nov. 3; Sp. p. 665; Gaz. vol. 137; p. 111.
- Litter-carrier. F. G. Held. No. 896,798; Dec. 15; Sp. p. 3245; Gaz. vol. 137; p. 1582.
- Lixivating apparatus. C. E. Arnold. No. 888,685; May 26; Sp. p. 4746; Dr. p. 1009; Gaz. vol. 134; p. 862.
- Lixivating apparatus. E. N. Trump. No. 889,159; May 26; Sp. p. 5726; Dr. pp. 1212-13; Gaz. vol. 134; p. 1015.
- Lixivator. W. L. Inlay. No. 898,050; Sept. 8; Sp. p. 1677; Dr. p. 356; Gaz. vol. 136; p. 294.
- Load-binder. T. Barnes. No. 878,034; Feb. 4; Sp. p. 295; Dr. p. 62; Gaz. vol. 132; p. 896.
- Load-binder. T. E. Calvert. No. 891,905; June 30; Sp. p. 5544; Dr. p. 1196; Gaz. vol. 134; p. 2068.
- Load-binder. I. Olson. No. 892,076; June 30; Sp. p. 5870; Dr. p. 1263; Gaz. vol. 134; p. 2121.
- Load-controlled brake. J. B. C. J. and S. B. Gray. No. 903,246; Dec. 29; Sp. p. 6249; Gaz. vol. 137; p. 2125.
- Load-holding device. A. L. Cox. No. 882,746; Mar. 24; Sp. p. 4488; Dr. p. 955; Gaz. vol. 133; p. 833.
- Load lifting and lowering apparatus. V. Funck. No. 902,145; Oct. 27; Sp. p. 4332; Dr. p. 878; Gaz. vol. 136; p. 1842.
- Load-moving apparatus. F. Koch. No. 882,894; Mar. 24; Sp. p. 4782; Dr. p. 1017; Gaz. vol. 133; p. 880.
- Load raising and lowering apparatus. L. E. A. Duflon. No. 887,608; May 12; Sp. p. 2589; Dr. p. 546; Gaz. vol. 134; p. 447.
- Load raising, lowering, and conveying or transporting apparatus. J. R. and J. Temperley and W. Alexander. No. 894,083; July 21; Sp. p. 3556; Dr. pp. 729-32; Gaz. vol. 135; p. 620.
- Load-trimmer. J. F. Johnson and W. M. Ray. No. 899,538; Sept. 29; Sp. p. 4528; Dr. p. 973; Gaz. vol. 136; p. 869.
- Loader. V. Landholm. No. 878,641; Feb. 11; Sp. p. 1613; Dr. p. 329; Gaz. vol. 132; p. 1130.
- Loader. T. J. Quayley. No. 885,952; Apr. 28; Sp. p. 4718; Dr. pp. 991-2; Gaz. vol. 133; p. 2026.
- Loader. J. E. Jarboe. No. 890,061; June 9; Sp. p. 1741; Dr. pp. 385-6; Gaz. vol. 134; p. 1366.
- Loader and hauler. B. Sr. and A. Overlack. No. 897,847; Sept. 1; Sp. p. 1234; Dr. p. 264; Gaz. vol. 136; p. 196.
- Loader, Coke-. W. H. Watt. No. 877,147; Jan. 21; Sp. p. 3019; Dr. p. 653; Gaz. vol. 132; p. 558.
- Loader, excavator, and pile-driver, Combined. C. L. Baker Sr. No. 881,529; Mar. 10; Sp. p. 2061; Dr. pp. 450-1; Gaz. vol. 133; p. 375.
- Loader, Gravel-. E. A. Stroschein. No. 881,741; Mar. 10; Sp. p. 2484; Dr. p. 535; Gaz. vol. 133; p. 442.
- Loading and measuring apparatus. L. Pryce. No. 880,400; Feb. 25; Sp. p. 5169; Dr. p. 1090; Gaz. vol. 132; p. 1775.
- Loading and storing machine. W. E. Hamilton. No. 897,893; Sept. 8; Sp. p. 1329; Dr. pp. 284-7; Gaz. vol. 136; p. 243.
- Loading and unloading apparatus. E. E. Barrett. No. 899,095; Sept. 22; Sp. p. 3658; Dr. pp. 783-4; Gaz. vol. 136; p. 690.
- Loading and unloading device. A. A. Egeness. No. 902,217; Oct. 27; Sp. p. 4450; Dr. p. 907; Gaz. vol. 136; p. 1865.
- Loading and unloading mechanism. A. F. Callison. No. 876,941; Jan. 21; Sp. p. 2576; Dr. pp. 561-2; Gaz. vol. 132; p. 487.
- Loading and unloading mechanism. J. C. Slocum. No. 893,027; July 14; Sp. p. 1301; Dr. pp. 273-4; Gaz. vol. 135; p. 243.
- Loading apparatus. N. Jorgensen. No. 881,408; Mar. 10; Sp. p. 1828; Dr. pp. 395-6; Gaz. vol. 133; p. 335.
- Loading apparatus. J. C. Cobb. No. 881,774; Mar. 10; Sp. p. 2536; Dr. p. 546; Gaz. vol. 133; p. 453.
- Loading apparatus. N. D. Hansen. No. 882,384; Mar. 17; Sp. p. 3774; Dr. pp. 805-6; Gaz. vol. 133; p. 681.
- Loading apparatus. T. S. Miller and J. H. Dickinson. No. 883,115; Mar. 24; Sp. p. 5206; Dr. pp. 1112-13; Gaz. vol. 133; p. 954.
- Loading apparatus. P. Bissen. No. 886,344; May 5; Sp. p. 14; Dr. p. 3; Gaz. vol. 134; p. 5.
- Loading apparatus. N. Madson. No. 887,000; May 5; Sp. p. 1314; Dr. p. 276; Gaz. vol. 134; p. 218.
- Loading apparatus. W. C. Lipscomb. No. 889,699; June 2; Sp. p. 1006; Dr. p. 232; Gaz. vol. 134; p. 1220.
- Loading apparatus. P. Bissen. No. 890,553; June 9; Sp. p. 2719; Dr. p. 601; Gaz. vol. 134; p. 1525.

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- Loading apparatus. J. McCabe. No. 891,183; June 16; Sp. p. 4018; Dr. p. 881; Gaz. vol. 134; p. 1763.
 Loading apparatus. P. Bissen. No. 892,119; June 30; Sp. p. 5945; Dr. p. 1280; Gaz. vol. 134; p. 2135.
 Loading apparatus. W. M. Hansen. No. 893,491; July 14; Sp. p. 2243; Dr. p. 469; Gaz. vol. 135; p. 394.
 Loading apparatus. A. Marvin. (Reissue). No. 12,867; Oct. 20; Sp. p. 3904; Dr. p. 797; Gaz. vol. 136; p. 1747.
 Loading apparatus. W. E. Grover. No. 902,873; Nov. 3; Sp. p. 694; Gaz. vol. 137; p. 115.
 Loading apparatus. J. McCabe. No. 907,518; Dec. 22; Sp. p. 4676; Gaz. vol. 137; p. 1854.
 Loading apparatus for wagons and the like. L. Kniffen. No. 886,705; May 5; Sp. p. 746; Dr. pp. 153-4; Gaz. vol. 134; p. 126.
 Loading apparatus for wagons and the like. L. Kniffen. No. 894,331; July 28; Sp. p. 4096; Dr. p. 846; Gaz. vol. 135; p. 721.
 Loading-apparatus fork. W. Baker. No. 877,477; Jan. 28; Sp. p. 3664; Dr. p. 794; Gaz. vol. 132; p. 685.
 Loading-apparatus running-gear. F. J. Hassler. No. 899,975; Sept. 29; Sp. p. 5452; Dr. pp. 1162-3; Gaz. vol. 136; p. 1011.
 Loading cotton, Machine for. M. P. Jackson and A. D. Maxwell. No. 902,410; Oct. 27; Sp. p. 4888; Dr. pp. 889-90; Gaz. vol. 136; p. 1929.
 Loading device. W. F. Klewitter. No. 886,221; Apr. 28; Sp. p. 5227; Dr. p. 1101; Gaz. vol. 133; p. 2111.
 Loading device. D. E. Whitfield. No. 908,054; Dec. 29; Sp. p. 5825; Gaz. vol. 137; p. 2060.
 Loading device. R. O. Couch and C. A. Cabell. No. 908,395; Dec. 29; Sp. p. 6559; Gaz. vol. 137; p. 2177.
 Loading device for grain, &c. H. E. Hawkins. No. 885,923; Apr. 28; Sp. p. 4649; Dr. p. 979; Gaz. vol. 133; p. 2015.
 Loading device, Wagon-. R. Pederson. No. 898,501; Sept. 15; Sp. p. 2540; Dr. pp. 544-5; Gaz. vol. 136; p. 470.
 Loading-machine. P. S. Severin. No. 888,661; May 26; Sp. p. 4694; Dr. pp. 998-9; Gaz. vol. 134; p. 855.
 Loading or ditching apparatus. L. Kniffen. No. 894,016; July 21; Sp. p. 3414; Dr. p. 699; Gaz. vol. 135; p. 596.
 Loading or unloading means. H. O. Sparks. No. 900,225; Oct. 6; Sp. p. 314; Dr. p. 64; Gaz. vol. 136; p. 1124.
 Loading-pack. E. E. Neal. No. 881,437; Mar. 10; Sp. p. 1880; Dr. p. 409; Gaz. vol. 133; p. 344.
 Loaf-molding machine. H. E. Smith and W. M. Campbell. No. 892,559; July 7; Sp. p. 316; Dr. p. 69; Gaz. vol. 135; p. 60.
 Loaf-forming machine. C. H. Overkamp. No. 901,029; Oct. 13; Sp. p. 2030; Dr. p. 412; Gaz. vol. 136; p. 1414.
 Loaf-forming machine. C. H. Overkamp. No. 901,030; Oct. 13; Sp. p. 2032; Dr. p. 412; Gaz. vol. 136; p. 1414.
 Loaf-forming machine. C. H. Overkamp and F. Streich. No. 901,031; Oct. 13; Sp. p. 2034; Dr. p. 412; Gaz. vol. 136; p. 1415.
 Loaf-maker for bread. T. H. Williams. No. 901,577; Oct. 20; Sp. p. 3166; Dr. p. 645; Gaz. vol. 136; p. 1629.
 Lobster-claws, Device for binding. T. Jensen. No. 889,238; June 2; Sp. p. 91; Dr. p. 21; Gaz. vol. 134; p. 1073.
 Lock: See Bag-lock; Bag-frame lock; Bar-lock; Beer-case seal-lock; Bicycle-lock; Binder-lock; Blind-lock; Bolt-lock; Box-lock; Bridge rail-lock; Can-lock; Canal-lock; Car-door-lock; Cart-lock; Chair-lock; Coin-controlled lock; Combination-lock; Cycle-lock; Cylinder-lock; Desk-lock; Door-lock; Electric lock; Electrically-controlled lock; Elevator safety-lock; Filter-plate lock; Firearm cylinder-lock; Galley-lock; Gland-lock; Gravity-lock; Gun-lock; Hasp-lock; Hat, coat, and umbrella lock; Indicator-lock; Key-lock; Keyless lock; Last-lock; Latch and key lock; Mail-box signal-lock; Mortise-lock; Nut-lock; Nut and bolt lock; Nut or bolt lock; Padlock; Permutation-lock; Pin safety-lock; Piston-ring lock; Rail-lock; Railway-switch lock; Safety-lock; Sash-lock; Sash and blind lock; Seal-lock; Self-closing lock; Self-registering lock; Shutter-lock; Spike-lock; Switch-lock; Switch-lever lock; Switch-point lock; Switch-stand lock; Table-lock; Time-lock; Trunk-lock; Type-writer-key lock; Vault-lock; Vehicle-seat lock; Vehicle-tongue lock; Wheel-lock; Whip-lock; Whip-socket lock; Window-lock.
 Lock. T. M. Lansden. No. 877,654; Jan. 28; Sp. p. 4035; Dr. pp. 871-2; Gaz. vol. 132; p. 744.
 Lock. D. W. Crockett. No. 881,999; Mar. 17; Sp. p. 3045; Dr. pp. 648-9; Gaz. vol. 133; p. 557.
 Lock. H. F. Keil. No. 882,067; Mar. 17; Sp. p. 3183; Dr. p. 677; Gaz. vol. 133; p. 579.
 Lock. E. Eichler. No. 882,303; Mar. 17; Sp. p. 3631; Dr. p. 770; Gaz. vol. 133; p. 654.
 Lock. C. Jensen. No. 882,566; Mar. 24; Sp. p. 4122; Dr. pp. 874-5; Gaz. vol. 133; p. 773.
 Lock. W. Person. No. 883,567; Mar. 31; Sp. p. 6169; Dr. p. 1312; Gaz. vol. 133; p. 1130.
 Lock. N. Sahlsten. No. 883,571; Mar. 31; Sp. p. 6176; Dr. p. 1313; Gaz. vol. 133; p. 1131.
 Lock. J. Phillips. No. 884,414; Apr. 14; Sp. p. 1505; Dr. p. 323; Gaz. vol. 133; p. 1463.
 Lock. A. Huber. No. 884,586; Apr. 14; Sp. p. 1852; Dr. p. 398; Gaz. vol. 133; p. 1519.
 Lock. F. S. Aliano. No. 885,214; Apr. 21; Sp. p. 3194; Dr. p. 668; Gaz. vol. 133; p. 1755.
 Lock. W. W. Winslow. No. 885,557; Apr. 21; Sp. p. 3890; Dr. p. 813; Gaz. vol. 133; p. 1865.
 Lock. W. W. Winslow. No. 885,558; Apr. 21; Sp. p. 3892; Dr. p. 814; Gaz. vol. 133; p. 1865.
 Lock. A. H. Sparling. No. 885,964; Apr. 28; Sp. p. 4743; Dr. p. 996; Gaz. vol. 133; p. 2030.
 Lock. A. Lawrence. No. 886,139; Apr. 28; Sp. p. 5092; Dr. pp. 1068-9; Gaz. vol. 133; p. 2085.
 Lock. H. F. Keil. No. 886,219; Apr. 28; Sp. p. 5223; Dr. p. 1100; Gaz. vol. 133; p. 2110.
 Lock. H. F. Keil. No. 887,817; May 19; Sp. p. 3015; Dr. p. 634; Gaz. vol. 134; p. 547.
 Lock. S. Drew. No. 888,478; May 26; Sp. p. 4303; Dr. p. 911; Gaz. vol. 134; p. 791.
 Lock. T. Ozoroczy. No. 889,543; June 2; Sp. p. 702; Dr. p. 162; Gaz. vol. 134; p. 1170.
 Lock. R. Johnson. No. 889,615; June 2; Sp. p. 835; Dr. p. 190; Gaz. vol. 134; p. 1193.
 Lock. H. R. Towne. No. 889,734; June 2; Sp. p. 1066; Dr. p. 246; Gaz. vol. 134; p. 1231.
 Lock. J. H. Shaw. No. 889,977; June 9; Sp. p. 1555; Dr. p. 351; Gaz. vol. 134; p. 1336.
 Lock. H. F. Keil. No. 892,266; June 30; Sp. p. 6243; Dr. p. 1343; Gaz. vol. 134; p. 2185.
 Lock. H. M. Small. No. 892,383; June 30; Sp. p. 6460; Dr. p. 1393; Gaz. vol. 134; p. 2222.
 Lock. J. Carlson. No. 892,649; July 7; Sp. p. 409; Dr. p. 106; Gaz. vol. 135; p. 89.
 Lock. K. N. Cather. No. 893,442; July 14; Sp. p. 2127; Dr. pp. 446-7; Gaz. vol. 135; p. 377.
 Lock. C. E. C. Edey. No. 895,174; Aug. 4; Sp. p. 791; Dr. p. 165; Gaz. vol. 135; p. 1026.
 Lock. W. Turner. No. 896,177; Aug. 18; Sp. p. 2766; Dr. p. 596; Gaz. vol. 135; p. 1397.
 Lock. J. A. Curry. No. 897,597; Sept. 1; Sp. p. 734; Dr. p. 155; Gaz. vol. 136; p. 116.
 Lock. T. C. Prouty. No. 897,924; Sept. 8; Sp. p. 1411; Dr. p. 301; Gaz. vol. 136; p. 254.
 Lock. W. J. Carroll. No. 898,434; Sept. 15; Sp. p. 2412; Dr. pp. 516-17; Gaz. vol. 136; p. 449.
 Lock. H. F. Keil. No. 898,748; Sept. 15; Sp. p. 3020; Dr. p. 647; Gaz. vol. 136; p. 549.
 Lock. A. Mercer. No. 898,767; Sept. 15; Sp. p. 3059; Dr. p. 656; Gaz. vol. 136; p. 555.
 Lock. S. H. Shank. No. 899,268; Sept. 22; Sp. p. 4024; Dr. pp. 859-60; Gaz. vol. 136; p. 746.
 Lock. H. G. Collins. No. 899,955; Sept. 29; Sp. p. 5414; Dr. p. 1154; Gaz. vol. 136; p. 1005.
 Lock. J. Henky. No. 900,536; Oct. 6; Sp. p. 999; Dr. p. 203; Gaz. vol. 136; p. 1226.
 Lock. P. F. Augenbraun. No. 902,044; Oct. 27; Sp. p. 4143; Dr. p. 839; Gaz. vol. 136; p. 1811.
 Lock. C. F. Broshkewitz. No. 903,170; Nov. 10; Sp. p. 1258; Gaz. vol. 137; p. 239.
 Lock. J. White. No. 903,647; Nov. 10; Sp. p. 2235; Gaz. vol. 137; p. 395.
 Lock. R. Kádár and I. Róth. No. 903,726; Nov. 10; Sp. p. 2376; Gaz. vol. 137; p. 418.
 Lock. W. J. Carroll. No. 903,839; Nov. 17; Sp. p. 2629; Gaz. vol. 137; p. 488.
 Lock. W. J. Teese. No. 904,375; Nov. 17; Sp. p. 3768; Gaz. vol. 137; p. 671.
 Lock. J. R. Fletcher. No. 904,860; Nov. 24; Sp. p. 4813; Gaz. vol. 137; p. 861.
 Lock. S. Popky. No. 905,098; Nov. 24; Sp. p. 5272; Gaz. vol. 137; p. 939.
 Lock. R. H. Pittman. No. 905,574; Dec. 1; Sp. p. 936; Gaz. vol. 137; p. 1132.
 Lock. G. W. Greene. No. 907,038; Dec. 15; Sp. p. 3694; Gaz. vol. 137; p. 1658.
 Lock. W. Curlett. No. 907,318; Dec. 22; Sp. p. 4280; Gaz. vol. 137; p. 1788.
 Lock. H. G. Voight. No. 908,431; Dec. 29; Sp. p. 6440; Gaz. vol. 137; p. 2190.
 Lock-alarm. L. Tálás. No. 900,326; Oct. 6; Sp. p. 542; Dr. p. 112; Gaz. vol. 136; p. 1157.
 Lock and block signal system. R. J. Hewett. No. 906,799; Dec. 15; Sp. p. 3247; Gaz. vol. 137; p. 1583.
 Lock and block signal system. R. J. Hewett. No. 906,800; Dec. 15; Sp. p. 3250; Gaz. vol. 137; p. 1583.
 Lock and electric switch, Combined. W. M. Shannon and G. K. Taylor. No. 890,167; Feb. 25; Sp. p. 4701; Dr. pp. 991-2; Gaz. vol. 132; p. 1698.
 Lock and electric switch, Combined. W. M. Shannon and G. K. Taylor. No. 880,168; Feb. 25; Sp. p. 4703; Dr. p. 992; Gaz. vol. 132; p. 1699.
 Lock and latch. T. Hall. No. 876,348; Jan. 14; Sp. p. 1313; Dr. p. 284; Gaz. vol. 132; p. 249.
 Lock and latch. D. H. Burtch. No. 885,225; Apr. 21; Sp. p. 3217; Dr. p. 671; Gaz. vol. 133; p. 1760.
 Lock and latch. F. S. Aliano. No. 887,053; May 12; Sp. p. 1423; Dr. p. 302; Gaz. vol. 134; p. 263.
 Lock and latch. H. G. Voight. No. 892,336; June 30; Sp. p. 6370; Dr. p. 1374; Gaz. vol. 134; p. 2208.
 Lock and latch. J. Hope, Jr. No. 907,499; Dec. 22; Sp. p. 4646; Gaz. vol. 137; p. 1848.
 Lock and latch, Combined. W. C. Brown. No. 884,460; Apr. 14; Sp. p. 1598; Dr. pp. 344-5; Gaz. vol. 133; p. 1478.
 Lock and latch, Combined. R. W. Vredenburg and C. B. Gilmore. No. 908,361; Dec. 29; Sp. p. 6477; Gaz. vol. 137; p. 2165.
 Lock and latch mechanism, Door. B. Revor. No. 897,660; Sept. 1; Sp. p. 845; Dr. pp. 178-9; Gaz. vol. 136; p. 136.
 Lock and sealing device. G. H. Maas. No. 878,215; Feb. 4; Sp. p. 663; Dr. p. 136; Gaz. vol. 132; p. 953.
 Lock attachment. H. G. Voight. No. 900,620; Oct. 6; Sp. p. 1179; Dr. p. 241; Gaz. vol. 136; p. 1253.
 Lock-bolt. G. W. Wright. No. 892,347; June 30; Sp. p. 6390; Dr. p. 1379; Gaz. vol. 134; p. 2211.
 Lock-case. H. R. Towne. No. 879,694; Feb. 18; Sp. p. 3718; Dr. p. 780; Gaz. vol. 132; p. 1511.
 Lock-case. H. R. Towne. No. 879,695; Feb. 18; Sp. p. 3719; Dr. p. 780; Gaz. vol. 132; p. 1511.
 Lock construction. H. G. Voight. No. 897,686; Sept. 1; Sp. p. 898; Dr. pp. 192-3; Gaz. vol. 136; p. 144.

Alphabetical list of inventions—Continued.

- Lock construction. H. G. Voight and C. J. Caley. No. 897,802; Sept. 1; Sp. p. 1147; Dr. p. 244; Gaz. vol. 136; p. 181.
- Lock face-plate. O. F. Sparks. No. 891,449; June 23; Sp. p. 4586; Dr. p. 997; Gaz. vol. 134; p. 1884.
- Lock for levers, &c. W. Honscheid. No. 889,610; June 2; Sp. p. 829; Dr. p. 189; Gaz. vol. 134; p. 1192.
- Lock for vault-covers and other closures. J. Armstrong. No. 897,046; Aug. 25; Sp. p. 4591; Dr. p. 979; Gaz. vol. 135; p. 1707.
- Lock-gate. E. Schildhauer. No. 880,103; Feb. 25; Sp. p. 4564; Dr. p. 961; Gaz. vol. 132; p. 1676.
- Lock-guard. D. Y. Wheeler. No. 881,364; Mar. 10; Sp. p. 1740; Dr. p. 374; Gaz. vol. 133; p. 322.
- Lock-hinge. E. A. Gay. No. 907,589; Dec. 22; Sp. p. 4534; Gaz. vol. 137; p. 1878.
- Lock indicator, Door-. H. G. Voight and C. J. Caley. No. 884,996; Apr. 14; Sp. p. 2704; Dr. p. 573; Gaz. vol. 133; p. 1650.
- Lock-joint for wall-slabs, bricks, tiles, or the like. R. Malancon. No. 876,985; Jan. 21; Sp. p. 2662; Dr. p. 579; Gaz. vol. 132; p. 502.
- Lock-mortiser. J. E. Doldt and H. L. Chenery. No. 891,606; June 23; Sp. p. 4903; Dr. p. 1057; Gaz. vol. 134; p. 1933.
- Lock-nut. J. O. Walker. No. 908,363; Dec. 29; Sp. p. 6483; Gaz. vol. 137; p. 2166.
- Lock or latch. W. V. Brown. No. 876,323; Jan. 14; Sp. p. 1260; Dr. pp. 273-4; Gaz. vol. 132; p. 241.
- Lock-pin. V. V. Pittman. No. 901,827; Oct. 20; Sp. p. 3692; Dr. p. 750; Gaz. vol. 136; p. 1710.
- Lock spindle, Dial-. W. H. Taylor. No. 876,023; Jan. 7; Sp. p. 665; Dr. p. 143; Gaz. vol. 132; p. 115.
- Lock-strike, Adjustable. D. W. Tower. No. 903,920; Nov. 17; Sp. p. 2821; Gaz. vol. 137; p. 516.
- Lock strike-plate. A. Nathan. No. 893,809; July 21; Sp. p. 2985; Dr. p. 612; Gaz. vol. 135; p. 529.
- Locking system, Electrical permutation-. H. T. Cleary. No. 893,902; July 21; Sp. p. 3177; Dr. pp. 653-4; Gaz. vol. 135; p. 559.
- Lock-tumbler. F. W. Mews. No. 896,456; Aug. 18; Sp. p. 3338; Dr. p. 718; Gaz. vol. 135; p. 1489.
- Lock-washer. J. B. Ross. No. 903,109; Nov. 3; Sp. p. 1154; Gaz. vol. 137; p. 188.
- Locks and latches, Striking device for door. J. M. Cuff. No. 890,613; June 16; Sp. p. 2869; Dr. p. 631; Gaz. vol. 134; p. 1578.
- Locks, Electric alarm for. F. M. Merrill. No. 883,416; Mar. 31; Sp. p. 5863; Dr. p. 1249; Gaz. vol. 133; p. 1083.
- Locks, Permutation wheel-tumbler for. J. J. Murphy. No. 901,116; Oct. 13; Sp. p. 2192; Dr. p. 446; Gaz. vol. 136; p. 1440.
- Locking-bolt. G. H. Wheary. No. 904,466; Nov. 17; Sp. p. 3956; Gaz. vol. 137; p. 701.
- Locking-bolt for guards to openings. C. W. McNeil. No. 883,471; Mar. 31; Sp. p. 5975; Dr. p. 1275; Gaz. vol. 133; p. 1101.
- Locking device. A. W. Cordes. No. 879,946; Feb. 25; Sp. p. 4266; Dr. p. 892; Gaz. vol. 132; p. 1627.
- Locking device. A. M. de Oca. No. 884,290; Apr. 7; Sp. p. 1260; Dr. p. 264; Gaz. vol. 133; p. 1393.
- Locking device. J. D. Ripston and E. G. Sampson. No. 885,790; Apr. 28; Sp. p. 4364; Dr. p. 916; Gaz. vol. 133; p. 1969.
- Locking device. E. E. Vore. No. 886,165; Apr. 28; Sp. p. 5133; Dr. p. 1079; Gaz. vol. 133; p. 2092.
- Locking device. J. A. Lamont. No. 889,138; May 26; Sp. p. 5673; Dr. p. 1201; Gaz. vol. 134; p. 1008.
- Locking device, Electromagnetic. C. O. Peters. No. 897,394; Sept. 1; Sp. p. 313; Dr. p. 65; Gaz. vol. 136; p. 48.
- Locking device, Gate-. R. J. Dill. No. 903,687; Nov. 10; Sp. p. 2316; Gaz. vol. 137; p. 406.
- Locking doors and the like, Means for. A. Windsor. No. 897,948; Sept. 8; Sp. p. 1472; Dr. p. 313; Gaz. vol. 136; p. 262.
- Locking-hook. B. F. Emery. No. 881,229; Mar. 10; Sp. p. 1475; Dr. p. 317; Gaz. vol. 133; p. 278.
- Locket and similar article. J. A. Fuller. No. 876,902; Jan. 14; Sp. p. 2467; Dr. p. 539; Gaz. vol. 132; p. 434.
- Locomotive. G. A. Bothwell. No. 882,618; Mar. 24; Sp. p. 4231; Dr. p. 897; Gaz. vol. 133; p. 792.
- Locomotive. E. C. Ketchum. No. 885,055; Apr. 21; Sp. p. 2840; Dr. p. 603; Gaz. vol. 133; p. 1703.
- Locomotive. L. Goos, Jr. No. 889,676; June 2; Sp. p. 961; Dr. p. 222; Gaz. vol. 134; p. 1213.
- Locomotive. G. L. Wall and L. E. Feightner. No. 893,041; July 14; Sp. p. 1329; Dr. p. 280; Gaz. vol. 135; p. 247.
- Locomotive. L. J. Monahan. No. 895,407; Aug. 4; Sp. p. 1255; Dr. p. 265; Gaz. vol. 135; p. 1104.
- Locomotive. F. P. Cook and A. N. Miller. No. 895,843; Aug. 11; Sp. p. 2143; Dr. pp. 455-6; Gaz. vol. 135; p. 1269.
- Locomotive and street-car fender. J. Rebar. No. 897,658; Sept. 1; Sp. p. 839; Dr. p. 177; Gaz. vol. 136; p. 134.
- Locomotive ash-pan. J. A. Swartz and T. P. Whelan. No. 907,197; Dec. 22; Sp. p. 4030; Gaz. vol. 137; p. 1745.
- Locomotive-boiler. A. F. Helbling. No. 881,072; Mar. 3; Sp. p. 1161; Dr. p. 251; Gaz. vol. 133; p. 197.
- Locomotive-boiler. J. J. Gage. No. 884,013; Apr. 7; Sp. p. 698; Dr. p. 141; Gaz. vol. 133; p. 1304.
- Locomotive-boiler washing and filling system. W. White. (Reissue.) No. 12,898; Dec. 15; Sp. p. 3847; Gaz. vol. 137; p. 1684.
- Locomotive brake-shoe. H. H. Urquhart. No. 877,748; Jan. 28; Sp. p. 4212; Dr. p. 912; Gaz. vol. 132; p. 774.
- Locomotive buffer-beam. C. T. Westlake. No. 893,211; July 14; Sp. p. 1668; Dr. p. 352; Gaz. vol. 135; p. 301.
- Locomotive cab-seat. E. M. Stannard. No. 892,692; July 7; Sp. p. 585; Dr. p. 126; Gaz. vol. 135; p. 103.
- Locomotive cab window. C. M. Goodrich. No. 905,417; Dec. 1; Sp. p. 573; Gaz. vol. 137; p. 1082.
- Locomotive-cabs, Sliding side panel for. J. N. Holm. No. 902,231; Oct. 27; Sp. p. 4521; Dr. p. 915-16; Gaz. vol. 136; p. 1870.
- Locomotive-charging apparatus. C. B. Hodges. No. 901,617; Oct. 20; Sp. p. 3242; Dr. pp. 664-5; Gaz. vol. 136; p. 1641.
- Locomotive, Composite. C. A. Pratt. No. 900,776; Oct. 13; Sp. p. 1502; Dr. p. 305; Gaz. vol. 136; p. 1330.
- Locomotive, Compound. F. W. A. von Borries. (Reissue.) No. 12,751; Feb. 11; Sp. p. 2559; Dr. p. 533; Gaz. vol. 132; p. 1286.
- Locomotive-crane. V. R. and E. H. Browning. No. 888,690; May 26; Sp. p. 4754; Dr. pp. 1011-12; Gaz. vol. 134; p. 863.
- Locomotive-crane. V. R. and E. H. Browning. No. 889,174; May 26; Sp. p. 5758; Dr. pp. 1218-19; Gaz. vol. 134; p. 1020.
- Locomotive-crane-shaft bracket. L. E. Feightner. No. 879,617; Feb. 18; Sp. p. 3565; Dr. p. 746; Gaz. vol. 132; p. 1485.
- Locomotive cross-head. H. H. Walck. No. 896,339; Aug. 18; Sp. p. 3102; Dr. p. 667; Gaz. vol. 135; p. 1451.
- Locomotive draft-regulator. W. A. Skinner and T. F. Cain. No. 887,278; May 12; Sp. p. 1900; Dr. pp. 402-3; Gaz. vol. 134; p. 337.
- Locomotive-driving-box adjusting device. W. C. Dick. No. 877,059; Jan. 21; Sp. p. 2837; Dr. p. 612; Gaz. vol. 132; p. 529.
- Locomotive, Electric. R. Schwarz. No. 877,005; Jan. 21; Sp. p. 2722; Dr. p. 589; Gaz. vol. 132; p. 510.
- Locomotive, Electric. B. G. Lamme and N. W. Storer. No. 896,220; Aug. 18; Sp. p. 2856; Dr. p. 615; Gaz. vol. 135; p. 1413.
- Locomotive, Electric. E. A. Sperry. No. 897,312; Sept. 1; Sp. p. 78; Dr. p. 20; Gaz. vol. 136; p. 17.
- Locomotive, Electric. W. Dalton. No. 902,476; Oct. 27; Sp. p. 5050; Dr. p. 1022; Gaz. vol. 136; p. 1952.
- Locomotive engines and tenders, Draft-gear for. H. M. Pfäfer. No. 904,221; Nov. 17; Sp. p. 3448; Gaz. vol. 137; p. 620.
- Locomotive exhaust apparatus. G. J. Hatz. No. 904,614; Nov. 24; Sp. p. 4265; Gaz. vol. 137; p. 776.
- Locomotive fire-boxes, Attachment for promoting fuel combustion in. F. L. Holcomb. No. 884,926; Apr. 14; Sp. p. 2576; Dr. p. 542; Gaz. vol. 133; p. 1629.
- Locomotive-firing device. W. A. Tetlow. No. 906,336; Dec. 8; Sp. p. 2397; Gaz. vol. 137; p. 1411.
- Locomotive-furnaces, Front arch for narrow. C. B. Moore. No. 904,211; Nov. 17; Sp. p. 3425; Gaz. vol. 137; p. 616.
- Locomotive head and signal light. D. Burnfield. No. 903,355; Nov. 10; Sp. p. 1634; Gaz. vol. 137; p. 299.
- Locomotive-mover. J. F. Cameron. No. 900,912; Oct. 13; Sp. p. 1795; Dr. p. 363; Gaz. vol. 136; p. 1376.
- Locomotive number-plate and holder therefor. J. K. Lape. No. 893,526; July 14; Sp. p. 2305; Dr. p. 484; Gaz. vol. 135; p. 404.
- Locomotive, Rack-rail. G. E. Lynch. No. 901,975; Oct. 27; Sp. p. 3984; Dr. pp. 812-13; Gaz. vol. 136; p. 1789.
- Locomotive safety appliance, Steam-. C. A. Howard and H. V. Coes. No. 879,467; Feb. 18; Sp. p. 3240; Dr. p. 675; Gaz. vol. 132; p. 1436.
- Locomotive safety-stop. W. H. Brown. No. 894,113; July 21; Sp. p. 3612; Dr. pp. 744-5; Gaz. vol. 135; p. 629.
- Locomotive sanding apparatus. A. O. Martin and C. A. Hahnel. No. 884,282; Apr. 7; Sp. p. 1245; Dr. p. 262; Gaz. vol. 133; p. 1390.
- Locomotive-service heater system. R. V. Jones. No. 906,031; Dec. 8; Sp. p. 1801; Gaz. vol. 137; p. 1310.
- Locomotive snow-plow. Y. Kuroda. No. 908,281; Dec. 29; Sp. p. 6306; Gaz. vol. 137; p. 2137.
- Locomotive speed-recorder. J. Livtschak. No. 887,823; May 19; Sp. p. 3029; Dr. pp. 636-7; Gaz. vol. 134; p. 548.
- Locomotive-tender. E. Ryan and O. Johnson. No. 904,017; Nov. 17; Sp. p. 3004; Gaz. vol. 137; p. 548.
- Locomotive-tender loader. F. S. See. No. 876,736; Jan. 14; Sp. p. 2150; Dr. pp. 471-2; Gaz. vol. 132; p. 381.
- Locomotive-tender tanks, Coal-space in. J. W. Harkom. No. 891,335; June 23; Dr. p. 4366; Dr. p. 950; Gaz. vol. 134; p. 1846.
- Locomotive-tenders, Water-scoop for. A. Bennett. No. 901,315; Oct. 20; Sp. p. 2577; Dr. pp. 530-1; Gaz. vol. 136; p. 1539.
- Locomotive, Turbine-driven. C. Pottier. No. 880,163; Feb. 25; Sp. p. 4695; Dr. pp. 989-90; Gaz. vol. 132; p. 1697.
- Locomotive turn-tables, Safety means for. J. W. De Long. No. 876,698; Jan. 14; Sp. p. 2089; Dr. p. 454; Gaz. vol. 132; p. 369.
- Locomotives, Adjustable exhaust for. H. H. Mackey. No. 898,242; Sept. 8; Sp. p. 2054; Dr. p. 436; Gaz. vol. 136; p. 354.
- Locomotives, Adjusting mechanism for the journal-boxes of. J. Conlin. No. 904,938; Nov. 24; Sp. p. 4966; Gaz. vol. 137; p. 885.
- Locomotives and the like, Pilot for. B. D. Lockwood. No. 890,077; June 9; Sp. p. 1766; Dr. p. 391; Gaz. vol. 134; p. 1371.
- Locomotives, Automatic reflector for. N. A. Terrell. No. 885,679; Apr. 21; Sp. p. 4125; Dr. p. 863; Gaz. vol. 133; p. 1904.
- Locomotives, By-pass valve for. J. E. Sague and F. J. Cole. No. 877,868; Jan. 28; Sp. p. 4428; Dr. p. 964; Gaz. vol. 132; p. 811.
- Locomotives, Skeleton eccentric for. G. M. Ried. No. 882,537; Mar. 17; Sp. p. 4067; Dr. p. 865; Gaz. vol. 133; p. 732.
- Locomotives, Train control for electric accumulator-. O. Eshn. No. 884,007; Apr. 7; Sp. p. 687; Dr. p. 138; Gaz. vol. 133; p. 1302.
- Log-carrier and stake therefor. N. M. Jones and L. B. Bryant. No. 889,616; June 2; Sp. p. 837; Dr. p. 190; Gaz. vol. 134; p. 1194.
- Log-clamp. W. Z. Wilkinson. No. 888,564; May 26; Sp. p. 4487; Dr. p. 950; Gaz. vol. 134; p. 821.
- Log-dumping device. W. D. Link. No. 883,032; Mar. 24; Sp. p. 5045; Dr. pp. 1074-5; Gaz. vol. 133; p. 926.
- Log-fishing grapple. J. T. Teare. No. 902,344; Oct. 27; Sp. p. 4774; Dr. p. 963; Gaz. vol. 136; p. 1908.
- Log-grab. D. W. Murphy. No. 901,804; Oct. 13; Sp. p. 2548; Dr. pp. 524-5; Gaz. vol. 136; p. 1500.
- Log hauling and loading machine. E. W. Gerrish. No. 897,613; Sept. 1; Sp. p. 767; Dr. pp. 161-2; Gaz. vol. 136; p. 121.
- Log-loading apparatus. A. W. Kurz. No. 889,934; June 9; Sp. p. 1461; Dr. pp. 331-2; Gaz. vol. 134; p. 1321.
- Log-loading machine. J. R. Buckley and G. A. Huggins. No. 888,583; May 26; Sp. p. 4520; Dr. pp. 958-9; Gaz. vol. 134; p. 828.
- Log-loading machine. J. R. McGiffert. No. 899,180; Sept. 22; Sp. p. 3834; Dr. pp. 820-1; Gaz. vol. 136; p. 718.
- Log-peeling machine. J. Moravec. No. 892,176; June 30; Sp. p. 6067; Dr. p. 1305; Gaz. vol. 134; p. 2155.

Alphabetical list of inventions—Continued.

- Log-skidder frame. J. R. McGiffert. No. 893,644; July 21; Sp. p. 2580; Dr. p. 538; Gaz. vol. 135; p. 473.
- Log-turner. J. R. Meece. No. 880,557; Mar. 3; Sp. p. 125; Dr. p. 28; Gaz. vol. 133; p. 25.
- Log-turner. S. D. Arthur. No. 886,918; May 5; Sp. p. 1165; Dr. p. 245; Gaz. vol. 134; p. 191.
- Log-turner. C. L. Burkett. No. 896,620; Aug. 18; Sp. p. 3651; Dr. p. 784; Gaz. vol. 135; p. 1542.
- Log-turner. A. Foss and L. Coolidge. No. 902,142; Oct. 27; Sp. p. 4328; Dr. pp. 876-7; Gaz. vol. 136; p. 1841.
- Log-turner. C. D. Scott. No. 904,652; Nov. 24; Sp. p. 4352; Gaz. vol. 137; p. 790.
- Logs, Apparatus for injecting chemicals into. S. Willner. No. 896,785; Aug. 25; Sp. p. 4012; Dr. p. 863; Gaz. vol. 135; p. 1618.
- Logs, Choker-hook for hauling. C. and R. Colfelt. No. 888,308; May 19; Sp. p. 3951; Dr. p. 832; Gaz. vol. 134; p. 705.
- Logs, Device for recovering submerged. F. J. Hathway. No. 882,310; Mar. 17; Sp. p. 3648; Dr. p. 774; Gaz. vol. 133; p. 657.
- Logs, Device for recovering sunken. J. B. Agnew, Sr. No. 905,620; Dec. 1; Sp. p. 1019; Gaz. vol. 137; p. 1147.
- Logs, Machinery for removing bark from. G. S. Witham, Jr. No. 908,433; Dec. 29; Sp. p. 6645; Gaz. vol. 137; p. 2191.
- Logs, Single-tooth dog for gripping. T. Manley. No. 877,208; Jan. 21; Sp. p. 3150; Dr. p. 683; Gaz. vol. 132; p. 579.
- Logger's wire-rope sheave-block. H. J. Littler. No. 898,121; Sept. 8; Sp. p. 1815; Dr. p. 385; Gaz. vol. 136; p. 316.
- Logging apparatus. T. W. Tiley. No. 905,022; Nov. 24; Sp. p. 5132; Gaz. vol. 137; p. 914.
- Logging-block. J. Mattson. No. 880,805; Mar. 3; Sp. p. 640; Dr. p. 134; Gaz. vol. 133; p. 110.
- Logging-car stake. O. S. Carroll and J. C. Zander. No. 891,461; June 23; Sp. p. 4611; Dr. p. 1002; Gaz. vol. 134; p. 1888.
- Logging device. H. Zech. No. 895,530; Aug. 11; Sp. p. 1518; Dr. pp. 321-2; Gaz. vol. 135; p. 1169.
- Logging-grab. H. F. Martin. No. 876,652; Jan. 14; Sp. p. 2002; Dr. p. 436; Gaz. vol. 132; p. 355.
- Logging-jack. C. D. Moore. No. 902,987; Nov. 3; Sp. p. 924; Gaz. vol. 137; p. 152.
- Logging-machine. E. D. Swan. No. 887,869; May 19; Sp. p. 3123; Dr. pp. 655-6; Gaz. vol. 134; p. 564.
- Logging means. S. J. Davis. No. 886,287; Apr. 28; Sp. p. 5358; Dr. pp. 1126-7; Gaz. vol. 133; p. 2135.
- Logging-tackle. C. Turpin. No. 902,510; Oct. 27; Sp. p. 5138; Dr. p. 1041; Gaz. vol. 136; p. 1964.
- Longitudinally-apertured body. Making a. W. E. Ludlum. No. 894,023; July 21; Sp. p. 3446; Dr. p. 705; Gaz. vol. 135; p. 599.
- Loom. F. Ott. No. 882,120; Mar. 17; Sp. p. 3272; Dr. p. 697; Gaz. vol. 133; p. 596.
- Loom. H. Bardsley. No. 882,922; Mar. 24; Sp. p. 4842; Dr. p. 1027; Gaz. vol. 133; p. 890.
- Loom. G. H. Leitner. No. 887,484; May 12; Sp. p. 2361; Dr. p. 497; Gaz. vol. 134; p. 406.
- Loom. F. T. Withee and R. White. No. 901,764; Oct. 20; Sp. p. 3572; Dr. p. 723; Gaz. vol. 136; p. 1691.
- Loom. H. Lindsay. No. 903,589; Nov. 10; Sp. p. 2122; Gaz. vol. 137; p. 377.
- Loom, Automatic filling-replenishing. U. Hebert. No. 886,700; May 5; Sp. p. 732; Dr. p. 150; Gaz. vol. 134; p. 124.
- Loom, Automatic filling-replenishing. W. I. Stimpson and G. B. Ambler. No. 887,977; May 19; Sp. p. 3329; Dr. pp. 699-700; Gaz. vol. 134; p. 600.
- Loom, Automatic filling-replenishing. A. E. Rhoades. No. 902,325; Oct. 27; Sp. p. 4720; Dr. p. 955; Gaz. vol. 136; p. 1902.
- Loom, Automatic filling-replenishing. C. H. Draper. No. 907,579; Dec. 22; Sp. p. 4791; Gaz. vol. 137; p. 1874.
- Loom, Automatic weft-replenishing. H. Wyman. No. 904,290; Nov. 17; Sp. p. 3607; Gaz. vol. 137; p. 643.
- Loom automatic weft-replenishing mechanism. W. R. Stitt. No. 903,912; Nov. 17; Sp. p. 2796; Gaz. vol. 137; p. 513.
- Loom, Box-. B. Fuhrer. No. 896,003; Aug. 11; Sp. p. 2459; Dr. p. 531; Gaz. vol. 135; p. 1321.
- Loom brake-controlling mechanism. H. A. Davis. No. 908,212; Dec. 29; Sp. p. 6179; Gaz. vol. 137; p. 2114.
- Loom brake mechanism. F. H. Thompson. No. 895,058; Aug. 4; Sp. p. 566; Dr. p. 116; Gaz. vol. 135; p. 988.
- Loom, Circular. C. Thibodeau and W. W. Harris. No. 895,512; Aug. 11; Sp. p. 1475; Dr. pp. 309-12; Gaz. vol. 135; p. 1163.
- Loom, Circular. W. R. Smith. No. 908,161; Dec. 29; Sp. p. 6049; Gaz. vol. 137; p. 2096.
- Loom controlling mechanism, Weft-replenishing-. F. Wächter. No. 908,362; Dec. 29; Sp. p. 6480; Gaz. vol. 137; p. 2165.
- Loom cut-measuring and stopping means. H. W. Bracken. No. 907,962; Dec. 29; Sp. p. 5638; Gaz. vol. 137; p. 2029.
- Loom, Dobby-. G. Schwabe. No. 887,702; May 12; Sp. p. 2761; Dr. p. 584; Gaz. vol. 134; p. 478.
- Loom-dobby. E. H. Ballou. No. 897,568; Sept. 1; Sp. p. 674; Dr. p. 141; Gaz. vol. 136; p. 106.
- Loom draw-detecting mechanism. W. P. Phillips and S. D. Eubanks. No. 905,920; Dec. 8; Sp. p. 1599; Gaz. vol. 137; p. 1276.
- Loom filling-carrier magazine. H. Wyman. No. 902,193; Oct. 27; Sp. p. 4436; Dr. p. 898; Gaz. vol. 136; p. 1857.
- Loom filling-carrier, Weft-replenishing-. R. Crompton. No. 908,209; Dec. 29; Sp. p. 6175; Gaz. vol. 137; p. 2113.
- Loom, Filling-changing. R. Crompton. No. 887,465; May 12; Sp. p. 2309; Dr. pp. 485-6; Gaz. vol. 134; p. 400.
- Loom filling-detecting mechanism. A. E. Rhoades. No. 902,324; Oct. 27; Sp. p. 4718; Dr. p. 954; Gaz. vol. 136; p. 1901.
- Loom filling-detecting mechanism. J. W. Bounds and J. R. Burton. No. 906,683; Dec. 15; Sp. p. 3021; Gaz. vol. 137; p. 1545.
- Loom, Filling-replenishing. C. H. Draper. No. 881,063; Mar. 3; Sp. p. 1132; Dr. p. 246; Gaz. vol. 133; p. 194.
- Loom filling-replenishing mechanism. G. O. Draper. No. 884,728; Apr. 14; Sp. p. 2169; Dr. p. 461; Gaz. vol. 133; p. 1566.
- Loom filling-replenishing mechanism. G. O. Draper. No. 887,927; May 19; Sp. p. 3234; Dr. p. 680; Gaz. vol. 134; p. 583.
- Loom filling-replenishing mechanism. A. E. Rhoades. No. 895,682; Aug. 11; Sp. p. 1808; Dr. p. 385; Gaz. vol. 135; p. 1217.
- Loom for producing textile fabrics. R. Beaumont and T. Hollis. No. 878,707; Feb. 11; Sp. p. 1736; Dr. pp. 359-60; Gaz. vol. 132; p. 1151.
- Loom for the manufacture of tufted or pile fabrics. T. Greenwood. No. 895,630; Aug. 11; Sp. p. 1705; Dr. p. 362; Gaz. vol. 135; p. 1200.
- Loom for the manufacture of tufted or pile fabrics. T. Greenwood. No. 897,528; Sept. 1; Sp. p. 596; Dr. pp. 124-5; Gaz. vol. 136; p. 93.
- Loom for the manufacture of tufted pile fabrics, Power-. C. and A. Renard. No. 894,287; July 28; Sp. p. 4006; Dr. pp. 827-9; Gaz. vol. 135; p. 707.
- Loom for weaving. F. Alsina. No. 905,830; Dec. 8; Sp. p. 1424; Gaz. vol. 137; p. 1246.
- Loom for weaving pile fabrics. B. Walker and A. Spink. No. 900,136; Oct. 6; Sp. p. 134; Dr. p. 28; Gaz. vol. 136; p. 1094.
- Loom for weaving separate wefts. F. E. Arrouquier. No. 907,946; Dec. 29; Sp. p. 5599; Gaz. vol. 137; p. 2024.
- Loom for weaving short-weft fabrics. J. Garst. No. 902,286; Oct. 27; Sp. p. 4627; Dr. p. 940; Gaz. vol. 136; p. 1888.
- Loom for weaving tubular fabrics. C. H. Draper. No. 890,761; June 16; Sp. p. 3193; Dr. pp. 698-9; Gaz. vol. 134; p. 1627.
- Loom for weaving tufted fabrics. J. A. Clark. No. 878,119; Feb. 4; Sp. p. 454; Dr. pp. 96-7; Gaz. vol. 132; p. 922.
- Loom for weaving tufted fabrics. T. Cooper. No. 891,147; June 16; Sp. p. 3940; Dr. pp. 862-4; Gaz. vol. 134; p. 1751.
- Loom fork-grid. A. E. Rhoades. No. 900,591; Oct. 6; Sp. p. 1108; Dr. p. 227; Gaz. vol. 136; p. 1243.
- Loom, Gauge-. A. Hannah. No. 899,973; Sept. 29; Sp. p. 5446; Dr. p. 1161; Gaz. vol. 136; p. 1010.
- Loom gripper-needle. O. Wahle. No. 877,270; Jan. 21; Sp. p. 3274; Dr. p. 708; Gaz. vol. 132; p. 600.
- Loom, Hair-fabric. B. Knittel. No. 883,810; Apr. 7; Sp. p. 274; Dr. p. 50; Gaz. vol. 133; p. 1236.
- Loom, Haircloth-. G. S. Cox. No. 890,612; June 16; Sp. p. 2866; Dr. p. 631; Gaz. vol. 134; p. 1577.
- Loom, Hand-. R. K. Lenox. No. 876,813; Jan. 14; Sp. p. 2271; Dr. p. 499; Gaz. vol. 132; p. 404.
- Loom, Hand school-. B. E. Lindberg. No. 899,310; Sept. 22; Sp. p. 4098; Dr. p. 876; Gaz. vol. 136; p. 760.
- Loom-harness, Brushing-machine for. M. Fish. No. 900,994; Oct. 13; Sp. p. 1962; Dr. pp. 399-400; Gaz. vol. 136; p. 1402.
- Loom harness mechanism. D. Lindsay. No. 897,549; Sept. 1; Sp. p. 633; Dr. p. 130; Gaz. vol. 136; p. 99.
- Loom harness-motion device. L. E. Salisbury. No. 889,971; June 9; Sp. p. 1544; Dr. p. 348; Gaz. vol. 134; p. 1334.
- Loom-heddle. H. W. Hakes. No. 879,258; Feb. 18; Sp. p. 2799; Dr. p. 586; Gaz. vol. 132; p. 1369.
- Loom heddle adjustment. F. T. Withee and R. White. No. 901,927; Oct. 20; Sp. p. 3872; Dr. p. 789; Gaz. vol. 136; p. 1743.
- Loom, Kindergarten-. J. C. Tyndall. No. 890,733; June 16; Sp. p. 3137; Dr. p. 687; Gaz. vol. 134; p. 1618.
- Loom let-back mechanism. C. Lavallee. No. 907,378; Dec. 22; Sp. p. 4391; Gaz. vol. 137; p. 1807.
- Loom let-off mechanism. J. Nazarian. No. 899,183; Sept. 22; Sp. p. 3839; Dr. p. 821; Gaz. vol. 136; p. 719.
- Loom multiplier mechanism. E. H. Ryon. No. 884,862; Apr. 14; Sp. p. 2458; Dr. pp. 517-18; Gaz. vol. 133; p. 1611.
- Loom, Narrow-ware. C. H. Maxsted. No. 877,511; Jan. 28; Sp. p. 3746; Dr. pp. 811-12; Gaz. vol. 132; p. 697.
- Loom, Narrow-ware. E. H. Ryon. No. 884,614; Apr. 14; Sp. p. 1915; Dr. p. 411; Gaz. vol. 133; p. 1528.
- Loom, Narrow-ware. A. and S. Widmer. No. 890,320; June 9; Sp. p. 2293; Dr. p. 505; Gaz. vol. 134; p. 1451.
- Loom, Narrow-ware. O. W. Schaum. No. 894,067; July 21; Sp. p. 3529; Dr. p. 723; Gaz. vol. 135; p. 614.
- Loom, Narrow-ware. O. W. Schaum. No. 904,281; Nov. 17; Sp. p. 3590; Gaz. vol. 137; p. 640.
- Loom, Needle-. J. C. Brooks. No. 902,203; Oct. 27; Sp. p. 4458; Dr. p. 901; Gaz. vol. 136; p. 1861.
- Loom pattern mechanism. H. Bardsley. No. 892,925; July 7; Sp. p. 1080; Dr. pp. 226-7; Gaz. vol. 135; p. 179.
- Loom pattern mechanism. O. L. Owen. No. 904,495; Nov. 17; Sp. p. 4037; Gaz. vol. 137; p. 711.
- Loom-picker. W. A. and J. A. Bramall. No. 875,772; Jan. 7; Sp. p. 189; Dr. p. 40; Gaz. vol. 132; p. 35.
- Loom-picker. L. M. Bowes. No. 907,961; Dec. 29; Sp. p. 5634; Gaz. vol. 137; p. 2028.
- Loom picker-check. A. S. Cowan. No. 886,952; May 5; Sp. p. 1219; Dr. p. 258; Gaz. vol. 134; p. 203.
- Loom picker-stick connection. L. F. Gillespie. No. 895,252; Aug. 4; Sp. p. 965; Dr. p. 202; Gaz. vol. 135; p. 1054.
- Loom picking mechanism. C. F. Perham. No. 876,011; Jan. 7; Sp. p. 633; Dr. p. 135; Gaz. vol. 132; p. 110.
- Loom, Pile-fabric. J. F. Dustin. No. 875,792; Jan. 7; Sp. p. 220; Dr. p. 48; Gaz. vol. 132; p. 41.
- Loom protector mechanism. W. J. Lutton. No. 900,403; Oct. 6; Sp. p. 696; Dr. pp. 143-4; Gaz. vol. 136; p. 1182.
- Loom protection mechanism. J. Northrop. No. 908,418; Dec. 29; Sp. p. 6602; Gaz. vol. 137; p. 2185.
- Loom shedding mechanism. E. R. Holmes and A. S. Cowan. No. 876,353; Jan. 14; Sp. p. 1322; Dr. pp. 286-7; Gaz. vol. 132; p. 251.
- Loom shedding mechanism. E. H. Ryon. No. 884,613; Apr. 14; Sp. p. 1912; Dr. pp. 410-11; Gaz. vol. 133; p. 1527.
- Loom-shuttle. H. Murphy. No. 877,108; Jan. 21; Sp. p. 2926; Dr. p. 633; Gaz. vol. 132; p. 543.
- Loom-shuttle. J. Varley. No. 879,427; Feb. 18; Sp. p. 3156; Dr. p. 656; Gaz. vol. 132; p. 1424.
- Loom-shuttle. J. A. and O. J. Perkins. No. 882,267; Mar. 17; Sp. p. 3571; Dr. p. 757; Gaz. vol. 133; p. 643.

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- Loom-shuttle. C. H. Carr. No. 887,920; May 19; Sp. p. 3223; Dr. p. 678; Gaz. vol. 134; p. 581.
 Loom-shuttle. O. Landry. No. 889,381; June 2; Sp. p. 382; Dr. p. 90; Gaz. vol. 134; p. 1119.
 Loom-shuttle. E. E. Orrell. No. 892,881; July 7; Sp. p. 988; Dr. p. 206; Gaz. vol. 135; p. 164.
 Loom-shuttle. F. T. Withee and R. White. No. 901,928; Oct. 20; Sp. p. 3873; Dr. p. 790; Gaz. vol. 136; p. 1743.
 Loom-shuttle. S. A. Dudley. No. 905,670; Dec. 1; Sp. p. 1102; Gaz. vol. 137; p. 1162.
 Loom-shuttle. E. Cunniff and J. H. Cookson. No. 906,390; Dec. 8; Sp. p. 2482; Gaz. vol. 137; p. 1426.
 Loom-shuttle. J. Johnston. No. 907,368; Dec. 22; Sp. p. 4373; Gaz. vol. 137; p. 1804.
 Loom-shuttle. W. F. Draper. No. 907,476; Dec. 22; Sp. p. 4605; Gaz. vol. 137; p. 1841.
 Loom-shuttle and filling-carrier therefor. W. P. Straw. No. 906,748; Dec. 15; Sp. p. 3162; Gaz. vol. 137; p. 1567.
 Loom-shuttle bobbin-holding means. E. S. Wood. No. 907,666; Dec. 22; Sp. p. 5036; Gaz. vol. 137; p. 1902.
 Loom shuttle-box motion. E. R. Holmes. No. 892,727; July 7; Sp. p. 661; Dr. pp. 139-40; Gaz. vol. 135; p. 114.
 Loom shuttle-box, Rotary-box-. A. E., A., and G. Walker. No. 892,361; Mar. 17; Sp. p. 3741; Dr. p. 796; Gaz. vol. 133; p. 674.
 Loom shuttle-check. W. Mason. No. 876,005; Jan. 7; Sp. p. 618; Dr. p. 132; Gaz. vol. 132; p. 108.
 Loom shuttle-check. E. H. Smith. No. 902,615; Nov. 3; Sp. p. 169; Gaz. vol. 137; p. 28.
 Loom shuttle checking and releasing mechanism. F. Ott. No. 877,223; Jan. 21; Sp. p. 3183; Dr. p. 690; Gaz. vol. 132; p. 584.
 Loom-shuttle, Hand-threading. D. L. Norris and W. B. Brown. No. 889,327; June 2; Sp. p. 259; Dr. p. 64; Gaz. vol. 134; p. 1100.
 Loom shuttle-motion. M. Moul. No. 878,148; Feb. 4; Sp. p. 500; Dr. p. 107; Gaz. vol. 132; p. 932.
 Loom-shuttle tension device. E. Gerhardt. No. 878,720; Feb. 11; Sp. p. 1762; Dr. p. 364; Gaz. vol. 132; p. 1156.
 Loom-shuttle tension device. H. Lindsay. No. 879,184; Feb. 18; Sp. p. 2660; Dr. p. 555; Gaz. vol. 132; p. 1344.
 Loom-shuttle tension device. J. E. Hauvette. No. 898,102; Sept. 8; Sp. p. 1778; Dr. pp. 377-8; Gaz. vol. 136; p. 311.
 Loom-shuttles, Apparatus for changing. G. Geppert. No. 889,452; June 2; Sp. p. 521; Dr. p. 123; Gaz. vol. 134; p. 1142.
 Loom starting and stopping mechanism. A. E. Rhoades. No. 904,450; Nov. 17; Sp. p. 3919; Gaz. vol. 137; p. 695.
 Loom stop mechanism. A. A. Wendt. No. 889,650; June 2; Sp. p. 894; Dr. pp. 205-6; Gaz. vol. 134; p. 1205.
 Loom stop mechanism, Automatic. E. E. Lovering and J. A. Pelletier. No. 878,813; Feb. 11; Sp. p. 1939; Dr. p. 401; Gaz. vol. 132; p. 1185.
 Loom stop-motion. F. O'Donnell. No. 886,150; Apr. 28; Sp. p. 5110; Dr. p. 1073; Gaz. vol. 133; p. 2088.
 Loom stop-motion. B. F. Bobo. No. 886,177; Apr. 28; Sp. p. 5150; Dr. p. 1083; Gaz. vol. 133; p. 2096.
 Loom stop-motion. B. Forster. No. 888,796; May 26; Sp. p. 4978; Dr. p. 1062; Gaz. vol. 134; p. 897.
 Loom stop-motion. F. Mitchell and C. A. Knudsen. No. 894,521; July 28; Sp. p. 4475; Dr. pp. 926-7; Gaz. vol. 135; p. 783.
 Loom stop-motion and reversing mechanism. E. Hollingworth. No. 891,618; June 23; Sp. p. 4934; Dr. p. 1863; Gaz. vol. 134; p. 1938.
 Loom stop-motion mechanism. G. McCartney. No. 900,190; Oct. 6; Sp. p. 253; Dr. p. 51; Gaz. vol. 136; p. 1113.
 Loom, Swivel-. A. Lang. No. 888,715; May 26; Sp. p. 4797; Dr. p. 1022; Gaz. vol. 134; p. 871.
 Loom take-up. B. Wehrlein and F. C. Matthews. No. 899,931; Sept. 29; Sp. p. 5366; Dr. p. 1141; Gaz. vol. 136; p. 997.
 Loom take-up. F. T. Withee and R. White. No. 903,148; Nov. 3; Sp. p. 1217; Gaz. vol. 137; p. 199.
 Loom take-up mechanism. G. S. Cox. No. 881,904; Mar. 17; Sp. p. 2837; Dr. p. 606; Gaz. vol. 133; p. 525.
 Loom take-up mechanism. W. J. Lutton. No. 882,904; Mar. 24; Sp. p. 4810; Dr. p. 1022; Gaz. vol. 133; p. 885.
 Loom take-up mechanism. G. H. Leitner. No. 887,485; May 12; Sp. p. 2368; Dr. pp. 497-8; Gaz. vol. 134; p. 407.
 Loom take-up mechanism. L. B. Jenckes and E. H. Ryon. No. 889,237; June 2; Sp. p. 89; Dr. pp. 20-1; Gaz. vol. 134; p. 1072.
 Loom take-up mechanism. A. A. Wendt. No. 889,564; June 2; Sp. p. 746; Dr. p. 171; Gaz. vol. 134; p. 1177.
 Loom-temple. C. L. Joy. No. 882,827; Mar. 24; Sp. p. 4640; Dr. p. 989; Gaz. vol. 133; p. 859.
 Loom-temple. J. V. Cunniff and J. Ainsworth. No. 889,208; June 2; Sp. p. 36; Dr. p. 10; Gaz. vol. 134; p. 1063.
 Loom-temple. E. H. Spedding. No. 902,925; Nov. 3; Sp. p. 792; Gaz. vol. 137; p. 131.
 Loom thin-place detector. W. J. Stewart. No. 895,591; Aug. 11; Sp. p. 1636; Dr. p. 345; Gaz. vol. 135; p. 1188.
 Loom thread-cutting temple. E. S. Stimpson. No. 890,884; June 16; Sp. p. 3427; Dr. p. 751; Gaz. vol. 134; p. 1666.
 Loom thread-parting mechanism. A. E. Rhoades. No. 897,404; Sept. 1; Sp. p. 343; Dr. p. 72; Gaz. vol. 136; p. 52.
 Loom threading-machine, Carpet-. H. Heyman. No. 902,229; Oct. 27; Sp. p. 4512; Dr. pp. 914-15; Gaz. vol. 136; p. 1869.
 Loom transferring mechanism, Automatic-filling-replenishing-. U. Hebert. No. 896,014; Aug. 11; Sp. p. 2479; Dr. p. 535; Gaz. vol. 135; p. 1324.
 Loom warp-beam. R. Harbour. No. 900,530; Oct. 6; Sp. p. 988; Dr. p. 201; Gaz. vol. 136; p. 1224.
 Loom warp let-off. F. T. Withee and R. White. No. 903,148; Nov. 3; Sp. p. 1214; Gaz. vol. 137; p. 199.
 Loom warp stop-motion. J. Corzilius. No. 879,853; Feb. 18; Sp. p. 4054; Dr. pp. 849-50; Gaz. vol. 132; p. 1596.
 Loom warp stop-motion. H. Horsfall. No. 879,873; Feb. 25; Sp. p. 4096; Dr. pp. 859-60; Gaz. vol. 132; p. 1601.
 Loom warp stop-motion. G. B. Ambler. No. 885,130; Apr. 21; Sp. p. 3003; Dr. pp. 633-4; Gaz. vol. 133; p. 1728.
 Loom warp stop-motion. A. E. Rhoades. No. 885,179; Apr. 21; Sp. p. 3110; Dr. p. 655; Gaz. vol. 133; p. 1743.
 Loom warp stop-motion. J. B. Derinak. No. 886,769; May 5; Sp. p. 897; Dr. p. 186; Gaz. vol. 134; p. 148.
 Loom warp stop-motion. A. E. Rhoades. No. 887,425; May 12; Sp. p. 2242; Dr. p. 469; Gaz. vol. 134; p. 387.
 Loom warp stop-motion. A. E. Rhoades. No. 889,808; June 2; Sp. p. 1198; Dr. p. 277; Gaz. vol. 134; p. 1254.
 Loom warp stop-motion. A. E. Rhoades. (Reissue.) No. 12,830; July 14; Sp. p. 2475; Dr. p. 515; Gaz. vol. 135; p. 427.
 Loom warp stop-motion. W. Gross. No. 898,358; Sept. 8; Sp. p. 2249; Dr. p. 479; Gaz. vol. 136; page 390.
 Loom warp stop-motion. F. E. Kip. No. 902,741; Nov. 3; Sp. p. 413; Gaz. vol. 137; p. 71.
 Loom warp stop-motion. E. H. Ford. No. 907,982; Dec. 29; Sp. p. 5678; Gaz. vol. 137; p. 2036.
 Loom, Weft-replenishing. H. Wyman. No. 876,418; Jan. 14; Sp. p. 1471; Dr. p. 316; Gaz. vol. 132; p. 272.
 Loom, Weft-replenishing. W. H. Brothers. No. 878,337; Feb. 4; Sp. p. 907; Dr. p. 181; Gaz. vol. 132; p. 995.
 Loom, Weft-replenishing. A. J. Jackson. No. 878,531; Feb. 11; Sp. p. 1357; Dr. pp. 276-7; Gaz. vol. 132; p. 1092.
 Loom, Weft-replenishing. R. Crompton. No. 879,368; Feb. 18; Sp. p. 3011; Dr. pp. 629-30; Gaz. vol. 132; p. 1404.
 Loom, Weft-replenishing. A. Morel. No. 880,810; Mar. 3; Sp. p. 649; Dr. p. 136; Gaz. vol. 133; p. 112.
 Loom, Weft-replenishing. R. Crompton. No. 885,021; Apr. 21; Sp. p. 2760; Dr. pp. 585-6; Gaz. vol. 133; p. 1693.
 Loom, Weft-replenishing. U. Hebert. No. 896,015; Aug. 11; Sp. p. 2481; Dr. p. 536; Gaz. vol. 135; p. 1325.
 Loom, Weft-replenishing. J. W. Carr. No. 896,800; Aug. 25; Sp. p. 4042; Dr. pp. 870-1; Gaz. vol. 135; p. 1624.
 Loom, Weft-replenishing. N. Demers. (Reissue.) No. 12,887; Nov. 24; Sp. p. 5352; Gaz. vol. 137; p. 954.
 Loom weft-replenishing mechanism. J. Bim. No. 878,763; Feb. 11; Sp. p. 1844; Dr. pp. 380-1; Gaz. vol. 132; p. 1169.
 Loom weft-replenishing mechanism. W. Williamson and J. Collinson. No. 899,586; Sept. 29; Sp. p. 4633; Dr. p. 994; Gaz. vol. 136; p. 886.
 Loom weft stop-motion, Wire-. F. L. Trudeau. No. 894,244; July 28; Sp. p. 3903; Dr. p. 806; Gaz. vol. 135; p. 692.
 Looms, Automatic stop-motion mechanism for power-. F. Blumer. No. 888,300; May 19; Sp. p. 3938; Dr. pp. 828-9; Gaz. vol. 134; p. 703.
 Looms, Automatic weft-replenishing apparatus for. J. Roston and T. Worman. No. 886,542; May 5; Sp. p. 391; Dr. p. 83; Gaz. vol. 134; p. 72.
 Looms, Automatic weft-replenishing mechanism for. M. L. Stone. No. 905,245; Dec. 1; Sp. p. 243; Gaz. vol. 137; p. 1025.
 Looms, Bobbin for cotton-. J. E. Lemyre. No. 879,278; Feb. 18; Sp. p. 2831; Dr. p. 593; Gaz. vol. 132; p. 1375.
 Looms, Bobbin-stripper for weft-replenishing. F. W. Moore. No. 890,865; June 16; Sp. p. 3393; Dr. p. 744; Gaz. vol. 134; p. 1661.
 Looms, Cloth-controlling mechanism for. A. and S. Widmer. No. 894,358; July 28; Sp. p. 4146; Dr. p. 856; Gaz. vol. 135; p. 730.
 Looms, Electromagnetic stop mechanism for shuttle-. D. Bacon. No. 905,131; Dec. 1; Sp. p. 12; Gaz. vol. 137; p. 986.
 Looms, Extension-roll for silk and other. C. Schneider. No. 898,270; Sept. 8; Sp. p. 2093; Dr. p. 445; Gaz. vol. 136; p. 362.
 Looms, Filling-end holder for weft-replenishing. J. C. Edwards. No. 897,357; Sept. 1; Sp. p. 222; Dr. p. 47; Gaz. vol. 136; p. 34.
 Looms, Filling-end holder for weft-replenishing. M. L. Stone. No. 897,426; Sept. 1; Sp. p. 388; Dr. p. 82; Gaz. vol. 136; p. 60.
 Looms, Filling-end holder for weft-replenishing. M. L. Stone. No. 897,427; Sept. 1; Sp. p. 389; Dr. p. 82; Gaz. vol. 136; p. 60.
 Looms, Filling-exhaustion-indicating mechanism for. F. Allen. No. 890,749; June 16; Sp. p. 3173; Dr. p. 694; Gaz. vol. 134; p. 1623.
 Looms, Filling-fork for. E. S. Stimpson. No. 889,825; June 2; Sp. p. 1236; Dr. p. 285; Gaz. vol. 134; p. 1260.
 Looms for weaving, Dobby for. H. Schwarzenbach and G. Lier. No. 883,975; Apr. 7; Sp. p. 621; Dr. pp. 124-5; Gaz. vol. 133; p. 1291.
 Looms, Individual take-up mechanism for narrow-ware. A. H. Steele. No. 876,407; Jan. 14; Sp. p. 1444; Dr. p. 310; Gaz. vol. 132; p. 268.
 Looms, Machine for making false reeds for. W. E. Wingate. No. 876,614; Jan. 14; Sp. p. 1915; Dr. pp. 417-18; Gaz. vol. 132; p. 341.
 Looms, Mechanism for indicating timely action in. W. W. Bardsley. No. 907,451; Dec. 22; Sp. p. 4557; Gaz. vol. 137; p. 1834.
 Looms, Mechanism for operating shuttles of narrow-ware. H. Riehl. No. 901,834; Oct. 20; Sp. p. 3702; Dr. pp. 751-2; Gaz. vol. 136; p. 1712.
 Looms, Pile-cutter stop-motion for pile-fabric. S. B. Cutting. No. 907,131; Dec. 22; Sp. p. 3829; Gaz. vol. 137; p. 1724.
 Looms, Pile-wire supporter for. F. W. Rochelle. No. 898,928; Sept. 15; Sp. p. 3345; Dr. pp. 717-18; Gaz. vol. 136; p. 608.
 Looms, Reversing mechanism for the take-up mechanism of. E. H. Ryon. No. 886,871; May 5; Sp. p. 1076; Dr. p. 226; Gaz. vol. 134; p. 177.
 Looms, Selvage-forming mechanism for short-weft. F. E. Arrouquier. No. 897,263; Sept. 1; Sp. p. 1; Dr. p. 1; Gaz. vol. 136; p. 3.
 Looms, Selvage-forming mechanism for short-weft. F. E. Arrouquier. No. 901,941; Oct. 27; Sp. p. 3914; Dr. pp. 798-9; Gaz. vol. 136; p. 1777.
 Looms, Shuttle-feeler for filling-replenishing. A. E. Rhoades. No. 897,403; Sept. 1; Sp. p. 341; Dr. p. 72; Gaz. vol. 136; p. 52.
 Looms, Shuttle-positioner for weft-replenishing. W. R. Stitt. No. 903,911; Nov. 17; Sp. p. 2796; Gaz. vol. 137; p. 513.

Alphabetical list of inventions—Continued.

- Looms, Thin-place-detecting mechanism for. C. H. Warren. No. 887,446; May 12; Sp. p. 2278; Dr. p. 478; Gaz. vol. 134; p. 394.
- Looms, Thin-place detector for. W. F. Clayton. No. 879,523; Feb. 18; Sp. p. 3344; Dr. pp. 698-9; Gaz. vol. 132; p. 1455.
- Looms, Thin-place-detector-releasing means for. A. E. Rhoades. No. 887,963; May 19; Sp. p. 3304; Dr. p. 694; Gaz. vol. 134; p. 595.
- Looms, warping-machines, and the like, Mechanical warp stop-motion for weaving-. J. Taylor and E. W. Buckley. No. 897,429; Sept. 1; Sp. p. 392; Dr. pp. 82-4; Gaz. vol. 136; p. 61.
- Looms, Weft-case for automatic weft-replenishing. H. O. Brandt. No. 875,890; Jan. 7; Sp. p. 397; Dr. p. 87; Gaz. vol. 132; p. 74.
- Looms, Weft-replenishing mechanism for. J. Gabler. No. 882,106; Mar. 17; Sp. p. 3254; Dr. pp. 691-2; Gaz. vol. 133; p. 592.
- Looms, Yarn-selecting mechanism for tufted-fabric. J. K. Dalkranian. No. 882,455; Mar. 17; Sp. p. 3894; Dr. pp. 832-3; Gaz. vol. 133; p. 705.
- Loop and button clasp. F. A. and J. B. Russ. No. 902,916; Nov. 3; Sp. p. 775; Gaz. vol. 136; p. 128.
- Loop-the-gap apparatus. M. Garanger. No. 896,906; Aug. 25; Sp. p. 4264; Dr. pp. 911-12; Gaz. vol. 135; p. 1659.
- Looper-hook. W. H. Zellers. No. 882,090; Mar. 17; Sp. p. 3228; Dr. p. 686; Gaz. vol. 133; p. 587.
- Looping-machine winding attachment. J. P. Barger. No. 899,857; Sept. 29; Sp. p. 5218; Dr. p. 1116; Gaz. vol. 136; p. 975.
- Looping-machines, Thread-slackening device for. W. Payne. No. 892,007; June 30; Sp. p. 5750; Dr. p. 1236; Gaz. vol. 134; p. 2100.
- Looping-machines, Trimming attachment for. O. Lange. No. 875,713; Jan. 7; Sp. p. 69; Dr. p. 15; Gaz. vol. 132; p. 15.
- Loose materials, Apparatus for handling. G. W. Jackson. No. 888,900; May 26; Sp. p. 5214; Dr. p. 1106; Gaz. vol. 134; p. 933.
- Lorry. B. Boyd. No. 880,777; Mar. 3; Sp. p. 582; Dr. p. 124; Gaz. vol. 133; p. 100.
- Lotion and toilet wash. J. L. Hill. No. 885,154; Apr. 21; Sp. p. 3059; Gaz. vol. 133; p. 1735.
- Loving-cup. A. Schicklering. No. 898,142; Sept. 8; Sp. p. 1858; Dr. p. 397; Gaz. vol. 136; p. 323.
- Low-water alarm. G. Yeates. No. 879,508; Feb. 18; Sp. p. 3320; Dr. p. 494; Gaz. vol. 132; p. 1450.
- Low-water alarm. G. Woodall. No. 882,807; Mar. 24; Sp. p. 4604; Dr. p. 982; Gaz. vol. 133; p. 853.
- Lubricant. L. Chapman. No. 905,649; Dec. 1; Sp. p. 1076; Gaz. vol. 137; p. 1156.
- Lubricant and manufacturing same. R. H. Hutchinson. No. 907,055; Dec. 15; Sp. p. 3723; Gaz. vol. 137; p. 1663.
- Lubricating apparatus. A. Szántó. No. 885,399; Apr. 21; Sp. p. 3578; Dr. p. 748; Gaz. vol. 133; p. 1817.
- Lubricating apparatus. K. Shaffer. No. 889,339; June 2; Sp. p. 282; Dr. p. 63; Gaz. vol. 134; p. 1104.
- Lubricating apparatus. C. B. Royal. No. 900,887; Oct. 13; Sp. p. 1740; Dr. pp. 351-2; Gaz. vol. 136; p. 1367.
- Lubricating-cup. C. Stewart. No. 899,352; Sept. 22; Sp. p. 4165; Dr. p. 892; Gaz. vol. 136; p. 773.
- Lubricating device. W. Scott. No. 879,916; Feb. 25; Sp. p. 4210; Dr. pp. 878-9; Gaz. vol. 132; p. 1618.
- Lubricating device. B. F. Campbell. (Reissue.) No. 12,785; Apr. 28; Sp. p. 5496; Dr. p. 1149; Gaz. vol. 133; p. 2153.
- Lubricating device. C. J. Gustafson. No. 887,090; May 12; Sp. p. 1505; Dr. p. 319; Gaz. vol. 134; p. 276.
- Lubricating device. L. S. Watres. No. 887,881; May 19; Sp. p. 3151; Dr. p. 663; Gaz. vol. 134; p. 568.
- Lubricating device. C. J. Van Doren. No. 890,735; June 16; Sp. p. 3148; Dr. p. 689; Gaz. vol. 134; p. 1618.
- Lubricating device. C. J. Pihl. No. 894,745; July 28; Sp. p. 4906; Dr. p. 1021; Gaz. vol. 135; p. 856.
- Lubricating device. D. K. Allison. No. 895,396; Aug. 4; Sp. p. 1230; Dr. p. 259; Gaz. vol. 135; p. 1100.
- Lubricating device. E. J. Bring. No. 895,954; Aug. 11; Sp. p. 2354; Dr. p. 505; Gaz. vol. 135; p. 1304.
- Lubricating device. J. H. Rutherford. No. 903,786; Nov. 10; Sp. p. 2507; Gaz. vol. 137; p. 438.
- Lubricating device for shafts, &c. H. C. Gamage. No. 900,922; Oct. 13; Sp. p. 1817; Dr. pp. 368-9; Gaz. vol. 136; p. 1379.
- Lubricating mechanism. J. Hutchings. No. 891,774; June 23; Sp. p. 5256; Dr. p. 1139; Gaz. vol. 134; p. 1993.
- Lubricating-oil feeder. T. J. Kehoe. No. 895,766; Aug. 11; Sp. p. 1981; Dr. p. 419; Gaz. vol. 135; p. 1244.
- Lubrication system, Forced-. F. Samuelson. No. 891,377; June 23; Sp. p. 4447; Dr. p. 968; Gaz. vol. 134; p. 1860.
- Lubricator: See Axle-lubricator; Eccentric-lubricator; Engine-lubricator; Force-feed lubricator; Guide-lubricator; Mechanical lubricator; Piston-rod lubricator; Pump-lubricator; Railway-curve lubricator; Railway-track lubricator; Sight-feed lubricator; Vehicle-lubricator.
- Lubricator. F. F. Johnson. No. 879,269; Feb. 18; Sp. p. 2816; Dr. p. 590; Gaz. vol. 132; p. 1372.
- Lubricator. P. J. Sweeney. No. 879,600; Feb. 18; Sp. p. 3531; Dr. p. 739; Gaz. vol. 132; p. 1479.
- Lubricator. C. J. Matthews. No. 880,680; Mar. 3; Sp. p. 376; Dr. pp. 82-3; Gaz. vol. 133; p. 67.
- Lubricator. A. Winton. No. 884,118; Apr. 7; Sp. p. 941; Dr. p. 197; Gaz. vol. 133; p. 1338.
- Lubricator. R. F. Moore. No. 886,062; Apr. 28; Sp. p. 4941; Dr. p. 1039; Gaz. vol. 133; p. 2060.
- Lubricator. C. B. and F. W. Hodges. No. 886,368; May 5; Sp. p. 50; Dr. pp. 10-11; Gaz. vol. 134; p. 13.
- Lubricator. C. Dorn. No. 887,603; May 12; Sp. p. 2579; Dr. p. 544; Gaz. vol. 134; p. 445.
- Lubricator. W. W. McCarty. No. 888,525; May 26; Sp. p. 4391; Dr. p. 930; Gaz. vol. 134; p. 806.
- Lubricator. G. W. Blank. No. 889,574; June 2; Sp. p. 762; Dr. pp. 174-5; Gaz. vol. 134; p. 1179.
- Lubricator. E. McCoy. No. 890,295; June 9; Sp. p. 2238; Dr. p. 492; Gaz. vol. 134; p. 1443.
- Lubricator. F. M. Davis. No. 890,616; June 16; Sp. p. 2877; Dr. p. 633; Gaz. vol. 134; p. 1579.
- Lubricator. E. McCoy. No. 890,787; June 16; Sp. p. 3251; Dr. p. 711; Gaz. vol. 134; p. 1636.
- Lubricator. H. C. Woodbridge. No. 890,952; June 16; Sp. p. 3589; Dr. p. 782; Gaz. vol. 134; p. 1689.
- Lubricator. G. F. Godley. No. 891,228; June 30; Sp. p. 5587; Dr. p. 1204; Gaz. vol. 134; p. 2075.
- Lubricator. B. I. Head. No. 893,496; July 14; Sp. p. 2255; Dr. p. 473; Gaz. vol. 135; p. 396.
- Lubricator. J. M. Chambers. No. 894,423; July 28; Sp. p. 4289; Dr. p. 885; Gaz. vol. 135; p. 752.
- Lubricator. C. C. Haller. No. 895,557; Aug. 11; Sp. p. 1573; Dr. pp. 332-3; Gaz. vol. 135; p. 1178.
- Lubricator. C. Comstock. No. 895,844; Aug. 11; Sp. p. 2147; Dr. p. 456; Gaz. vol. 135; p. 1270.
- Lubricator. J. L. Nehrig. No. 895,885; Aug. 11; Sp. p. 2223; Dr. p. 474; Gaz. vol. 135; p. 1283.
- Lubricator. C. W. Hodgdon. No. 896,829; Aug. 25; Sp. p. 4106; Dr. p. 882; Gaz. vol. 135; p. 1633.
- Lubricator. C. Comstock. No. 896,895; Aug. 25; Sp. p. 4240; Dr. p. 907; Gaz. vol. 135; p. 1655.
- Lubricator. P. Daimler. No. 897,598; Sept. 1; Sp. p. 736; Dr. p. 155; Gaz. vol. 136; p. 116.
- Lubricator. R. Davidson. No. 897,599; Sept. 1; Sp. p. 737; Dr. pp. 155-6; Gaz. vol. 136; p. 117.
- Lubricator. J. W. Denville. No. 898,448; Sept. 15; Sp. p. 2450; Dr. p. 524; Gaz. vol. 136; p. 454.
- Lubricator. J. Noethe. No. 899,892; Sept. 29; Sp. p. 5274; Dr. p. 1128; Gaz. vol. 136; p. 985.
- Lubricator. W. C. Maness. No. 900,181; Oct. 6; Sp. p. 233; Dr. p. 47; Gaz. vol. 136; p. 1110.
- Lubricator. L. R. Hoffman. No. 900,280; Oct. 6; Sp. p. 447; Dr. p. 91; Gaz. vol. 136; p. 1142.
- Lubricator. J. Vollmer. No. 901,502; Oct. 20; Sp. p. 3022; Dr. p. 617; Gaz. vol. 136; p. 1605.
- Lubricator. J. C. Hill. No. 902,583; Nov. 3; Sp. p. 106; Gaz. vol. 137; p. 17.
- Lubricator. E. McCoy. No. 903,306; Nov. 10; Sp. p. 1535; Gaz. vol. 137; p. 284.
- Lubricator. B. E. Pinnell. No. 903,766; Nov. 10; Sp. p. 2457; Gaz. vol. 137; p. 430.
- Lubricator. H. A. Sedgewick. No. 903,897; Nov. 17; Sp. p. 2756; Gaz. vol. 137; p. 508.
- Lubricator. H. C. Woodbridge. No. 904,107; Nov. 17; Sp. p. 3185; Gaz. vol. 137; p. 579.
- Lubricator. E. J. McGuire. No. 904,353; Nov. 17; Sp. p. 3735; Gaz. vol. 137; p. 664.
- Lubricator. J. P. Johnson. No. 904,962; Nov. 24; Sp. p. 5011; Gaz. vol. 137; p. 894.
- Lubricator. J. J. Costello, Jr. No. 905,057; Nov. 24; Sp. p. 5186; Gaz. vol. 137; p. 925.
- Lubricator. G. R. Kennedy. No. 906,720; Dec. 15; Sp. p. 3096; Gaz. vol. 137; p. 1558.
- Lubricator. E. A. Emery. No. 907,228; Dec. 22; Sp. p. 4104; Gaz. vol. 137; p. 1756.
- Lubricator drain-passages, Automatic oil-check for. W. E. Bryant. No. 890,757; June 16; Sp. p. 3190; Dr. p. 697; Gaz. vol. 134; p. 1626.
- Lubricator for main bearings of centrifugal breakers. W. Langenheim. No. 891,482; June 23; Sp. p. 4660; Dr. p. 1009; Gaz. vol. 134; p. 1895.
- Lubricator-guard. P. G. Olson. No. 895,495; Aug. 11; Sp. p. 1447; Dr. p. 303; Gaz. vol. 135; p. 1157.
- Lubricator-protector for vehicle-wheel journals. W. Wolfe and W. Lucas. No. 880,262; Feb. 25; Sp. p. 4396; Dr. p. 1035; Gaz. vol. 132; p. 1731.
- Lubricator with supplementary deliveries. J. N. Hochgesand. No. 892,256; June 30; Sp. p. 6219; Dr. p. 1340; Gaz. vol. 134; p. 2181.
- Lumber, Artificial. K. Hengerer. No. 888,399; May 19; Sp. p. 4120; Dr. p. 869; Gaz. vol. 134; p. 734.
- Lumber-guide mechanism. F. M. Barto. No. 893,895; July 21; Sp. p. 3162; Dr. p. 650; Gaz. vol. 135; p. 556.
- Lumber-kiln. J. McLaughlin. No. 894,454; July 28; Sp. p. 4353; Dr. p. 897; Gaz. vol. 135; p. 762.
- Lumber-loading device. R. E. Coad. No. 884,642; Apr. 14; Sp. p. 2003; Dr. p. 429; Gaz. vol. 133; p. 1537.
- Lunch-box. O. Schmitt. No. 898,143; Sept. 8; Sp. p. 1858; Dr. p. 397; Gaz. vol. 136; p. 323.
- Lunch-box, Folding. E. Lapointe. No. 884,824; Apr. 14; Sp. p. 2372; Dr. p. 499; Gaz. vol. 133; p. 1599.
- Lunch box or bag. S. Bienenstock. No. 903,808; Nov. 10; Sp. p. 2552; Gaz. vol. 137; p. 446.
- Lunch-case. L. M. Justice. No. 904,440; Nov. 17; Sp. p. 3895; Gaz. vol. 137; p. 692.
- Lunch-heater. C. C. Buren. No. 899,026; Sept. 22; Sp. p. 3534; Dr. p. 756; Gaz. vol. 136; p. 668.
- Machine-frame. E. F. Hedderich. No. 889,653; June 2; Sp. p. 974; Dr. pp. 224-5; Gaz. vol. 134; p. 1215.
- Machine-support. W. Wenzel. No. 904,585; Nov. 24; Sp. p. 4217; Gaz. vol. 137; p. 768.
- Machinery, Means for controlling. H. A. Peters and C. W. Morgan. No. 892,616; July 7; Sp. p. 417; Dr. p. 93; Gaz. vol. 135; p. 78.
- Machinist's clamp, Reversible. W. T. Russell. No. 893,754; July 21; Sp. p. 2876; Dr. p. 591; Gaz. vol. 135; p. 511.
- Magazine-pipe. I. W. Stevens. No. 906,328; Dec. 8; Sp. p. 2383; Gaz. vol. 137; p. 1408.
- Magazines and the like, Feed-controlling mechanism for. C. Owens. No. 890,089; June 9; Sp. p. 1785; Dr. p. 395; Gaz. vol. 134; p. 1374.

Alphabetical list of inventions—Continued.

- Magnesia, Preparing concentrated hydrated. W. S. Morrison. No. 900,868; Oct. 13; Sp. p. 1701; Gaz. vol. 136; p. 1361.
- Magnesium by electrolysis, Production of. G. O. Seward and F. von Kùgelgen. No. 900,961; Oct. 13; Sp. p. 1903; Gaz. vol. 136; p. 1392.
- Magnesium, Producing. F. von Kùgelgen and G. O. Seward. No. 880,489; Feb. 25; Sp. p. 5369; Gaz. vol. 132; p. 1807.
- Magnet, Eye-. H. Thomassen. No. 889,346; June 2; Sp. p. 298; Dr. p. 70; Gaz. vol. 134; p. 1107.
- Magnet for alternating currents. C. Krämer. No. 878,402; Feb. 4; Sp. p. 1028; Dr. p. 207; Gaz. vol. 132; p. 1017.
- Magnet for dynamo-electric machines, Field-. A. L. Cushman. No. 893,711; July 21; Sp. p. 2694; Dr. pp. 565-6; Gaz. vol. 135; p. 495.
- Magnet for dynamo-electric machines, Field-. A. L. Cushman. No. 893,835; July 21; Sp. p. 3053; Dr. p. 623; Gaz. vol. 135; p. 538.
- Magnet for telegraphones. J. A. Lieb. No. 889,317; June 2; Sp. p. 244; Dr. p. 60; Gaz. vol. 134; p. 1098.
- Magnet for telegraphones. H. R. Stuart. No. 902,773; Nov. 3; Sp. p. 465; Gaz. vol. 137; p. 81.
- Magnet, Lifting-. V. R. Browning. No. 892,931; July 7; Sp. p. 1091; Dr. p. 229; Gaz. vol. 135; p. 181.
- Magnet, Lifting-. A. C. Eastwood and F. R. Fishback. No. 903,552; Nov. 10; Sp. p. 2042; Gaz. vol. 137; p. 365.
- Magnet, Rotary field-. J. Hissink. No. 890,982; June 16; Sp. p. 3665; Dr. p. 798; Gaz. vol. 134; p. 1700.
- Magnet-shield. C. E. F. Ahlm. No. 906,599; Dec. 15; Sp. p. 2864; Gaz. vol. 137; p. 1519.
- Magnet structure, Field-. H. G. Reist. No. 896,321; Aug. 18; Sp. p. 3069; Dr. p. 661; Gaz. vol. 135; p. 1445.
- Magnet winding, Field-. J. A. Stratton. No. 888,050; May 19; Sp. p. 3471; Dr. p. 727; Gaz. vol. 134; p. 622.
- Magnet-winding machine. F. H. Loveridge. No. 890,244; June 9; Sp. p. 2110; Dr. pp. 462-4; Gaz. vol. 134; p. 1426.
- Magnets, Controlling system for lifting-. R. I. Wright. No. 895,135; Aug. 4; Sp. p. 716; Dr. p. 150; Gaz. vol. 135; p. 1013.
- Magnetic blow-out for make-and-break devices. S. D. Field. No. 887,737; May 12; Sp. p. 2832; Dr. p. 599; Gaz. vol. 134; p. 491.
- Magnetic detector. L. de Forest. No. 877,069; Jan. 21; Sp. p. 2849; Dr. p. 615; Gaz. vol. 132; p. 531.
- Magnetic inductor. M. Fischer. No. 894,945; Aug. 4; Spec. p. 339; Dr. p. 68; Gaz. vol. 135; p. 949.
- Magnetic separation, Apparatus for. C. Q. Payne. No. 901,368; Oct. 20; Sp. p. 2695; Dr. p. 554; Gaz. vol. 136; p. 1558.
- Magnetic separator. C. G. Buchanan. No. 893,606; July 21; Sp. p. 2500; Dr. p. 520; Gaz. vol. 135; p. 461.
- Magnetic separator. R. I. Wright and H. E. Frost. No. 901,765; Oct. 20; Sp. p. 3574; Dr. p. 724; Gaz. vol. 136; p. 1691.
- Magnetic separator. M. Ruthenburg. No. 904,280; Nov. 17; Sp. p. 3587; Gaz. vol. 137; p. 639.
- Magnetic-wave components, Intelligence intercommunication by. G. W. Pickard. No. 876,996; Jan. 21; Sp. p. 2691; Dr. p. 585; Gaz. vol. 132; p. 506.
- Magneto for sparking mechanisms. H. H. Brown. No. 881,460; Mar. 10; Sp. p. 1926; Dr. p. 420; Gaz. vol. 133; p. 352.
- Magneto-electric generator. L. A. Gianoli and R. A. Persin. No. 894,624; July 28; Sp. p. 4690; Dr. p. 973; Gaz. vol. 135; p. 817.
- Magneto, High-tension. E. B. Jacobson. No. 898,370; Sept. 8; Sp. p. 2279; Dr. pp. 484-5; Gaz. vol. 136; p. 395.
- Magnetos, Distributing-arm for high-tension. T. Hubert. No. 906,026; Dec. 8; Sp. p. 1796; Gaz. vol. 137; p. 1309.
- Magnetos, Operating mechanism for. A. N. Classon. No. 880,974; Mar. 3; Sp. p. 977; Dr. p. 211; Gaz. vol. 133; p. 165.
- Magnifying-glass. F. Bold. No. 889,352; June 2; Sp. p. 309; Dr. p. 73; Gaz. vol. 134; p. 1108.
- Mail and baggage catcher. J. Schmitz. No. 905,593; Dec. 1; Sp. p. 969; Gaz. vol. 137; p. 1138.
- Mail and express-package handling device. G. W. Roberts. No. 890,927; June 16; Sp. p. 3520; Dr. pp. 770-1; Gaz. vol. 134; p. 1680.
- Mail and package collector. P. Martocci. No. 899,881; Sept. 29; Sp. p. 5254; Dr. pp. 1123-4; Gaz. vol. 136; p. 931.
- Mail and package deliverer, Automatic electric-motor-driven. G. H. Ferlin. No. 892,586; July 7; Sp. p. 369; Dr. p. 81; Gaz. vol. 135; p. 68.
- Mail-arranging device. V. G. Anderson. No. 898,164; Sept. 8; Sp. p. 1898; Dr. p. 406; Gaz. vol. 136; p. 330.
- Mail-bag apparatus. P. Woitynek. No. 894,302; July 28; Sp. p. 4042; Dr. p. 834; Gaz. vol. 135; p. 712.
- Mail-bag apparatus, Train-delivering and station-receiving. W. N. West. No. 892,786; July 7; Sp. p. 775; Dr. pp. 163-4; Gaz. vol. 135; p. 133.
- Mail-bag catcher. E. Piland. No. 876,835; Jan. 14; Sp. p. 2324; Dr. p. 511; Gaz. vol. 132; p. 411.
- Mail-bag catcher. O. Shaffer. No. 877,240; Jan. 21; Sp. p. 3210; Dr. p. 696; Gaz. vol. 132; p. 590.
- Mail-bag catcher. O. C. Brett. No. 881,755; Mar. 10; Sp. p. 1358; Dr. pp. 292-3; Gaz. vol. 133; p. 261.
- Mail-bag catcher. D. S. Green. No. 882,559; Mar. 24; Sp. p. 4110; Dr. p. 871; Gaz. vol. 133; p. 771.
- Mail-bag catcher. J. P. Hendrix. No. 887,394; May 12; Sp. p. 2187; Dr. p. 457; Gaz. vol. 134; p. 377.
- Mail-bag catcher. G. W. Gage, Sr. No. 890,353; June 9; Sp. p. 2350; Dr. pp. 518-19; Gaz. vol. 134; p. 1461.
- Mail-bag catcher. P. B. Southworth. No. 891,382; June 23; Sp. p. 4457; Dr. pp. 970-1; Gaz. vol. 134; p. 1862.
- Mail-bag catcher. J. H. Tudor. No. 891,751; June 23; Sp. p. 5212; Dr. pp. 1127-8; Gaz. vol. 134; p. 1984.
- Mail-bag catcher. S. M. Harden and R. O'Connell. No. 896,531; Aug. 18; Sp. p. 3497; Dr. p. 751; Gaz. vol. 135; p. 1514.
- Mail-bag catcher. E. W. Rece. No. 896,575; Aug. 18; Sp. p. 3575; Dr. p. 769; Gaz. vol. 135; p. 1528.
- Mail-bag catcher. P. F. Bergman and H. W. Grimes. No. 897,265; Sept. 1; Sp. p. 8; Dr. p. 2; Gaz. vol. 136; p. 3.
- Mail-bag catcher. W. Robinson. No. 895,265; Sept. 8; Sp. p. 2086; Dr. p. 443; Gaz. vol. 136; p. 361.
- Mail-bag catcher. B. F. Wright. No. 903,040; Nov. 3; Sp. p. 1026; Gaz. vol. 137; p. 168.
- Mail-bag catcher. E. H. Short. No. 907,186; Dec. 22; Sp. p. 3999; Gaz. vol. 137; p. 1741.
- Mail-bag catcher and crane. T. Rogers and H. J. Kane. No. 887,849; May 19; Sp. p. 3088; Dr. pp. 647-8; Gaz. vol. 134; p. 557.
- Mail-bag catcher and deliverer. E. Roberts. No. 877,800; Jan. 28; Sp. p. 4297; Dr. p. 933; Gaz. vol. 132; p. 789.
- Mail-bag catcher and deliverer. J. Hollenburger and C. Will. No. 880,304; Feb. 25; Sp. p. 4982; Dr. p. 1051; Gaz. vol. 132; p. 1745.
- Mail-bag catcher and deliverer. G. W. Harris. No. 883,877; Apr. 7; Sp. p. 421; Dr. p. 82; Gaz. vol. 133; p. 1257.
- Mail-bag catcher and deliverer. J. Anderson. No. 885,216; Apr. 21; Sp. p. 3200; Dr. pp. 668-9; Gaz. vol. 133; p. 1756.
- Mail-bag catcher and deliverer. J. Wood. No. 885,657; Apr. 21; Sp. p. 4082; Dr. p. 854; Gaz. vol. 133; p. 1896.
- Mail-bag catcher and deliverer. G. J. Meier. No. 886,832; May 5; Sp. p. 1011; Dr. p. 212; Gaz. vol. 134; p. 165.
- Mail-bag catcher and deliverer. H. Askefi, W. Jackson, and F. Pietila. No. 887,176; May 12; Sp. p. 1648; Dr. p. 350; Gaz. vol. 134; p. 303.
- Mail-bag catcher and deliverer. S. B. Stover. No. 887,355; May 12; Sp. p. 2078; Dr. p. 436; Gaz. vol. 134; p. 365.
- Mail-bag catcher and deliverer. H. H. Akers. No. 888,414; May 19; Sp. p. 4173; Dr. p. 883; Gaz. vol. 134; p. 740.
- Mail-bag catcher and deliverer. H. E. Messersmith. No. 889,030; May 26; Sp. p. 5448; Dr. p. 1158; Gaz. vol. 134; p. 973.
- Mail-bag catcher and deliverer. J. Bubb. No. 892,803; July 7; Sp. p. 804; Dr. p. 170; Gaz. vol. 135; p. 138.
- Mail-bag catcher and deliverer. H. H. Akers. No. 893,966; July 21; Sp. p. 3307; Dr. p. 679; Gaz. vol. 135; p. 580.
- Mail-bag catcher and deliverer. J. A. Douglas and J. Bartleson. No. 894,123; July 21; Sp. p. 3634; Dr. p. 749; Gaz. vol. 135; p. 633.
- Mail-bag catcher and deliverer. L. Waldeck. No. 894,551; July 28; Sp. p. 4543; Dr. p. 941; Gaz. vol. 135; p. 793.
- Mail-bag catcher and deliverer. H. B. Nolan. No. 896,750; Aug. 25; Sp. p. 3932; Dr. pp. 847-8; Gaz. vol. 135; p. 1606.
- Mail-bag catcher and deliverer. E. C. Burnette. No. 896,890; Aug. 25; Sp. p. 4231; Dr. p. 904; Gaz. vol. 135; p. 1653.
- Mail-bag catcher and deliverer. J. Wood. No. 898,812; Sept. 15; Sp. p. 3139; Dr. p. 672; Gaz. vol. 136; p. 570.
- Mail-bag catcher and deliverer. W. R. Morrison. No. 901,812; Oct. 20; Sp. p. 3668; Dr. p. 744; Gaz. vol. 136; p. 1705.
- Mail-bag catcher and deliverer. R. M. Cantillo. No. 901,877; Oct. 20; Sp. p. 3777; Dr. p. 768; Gaz. vol. 136; p. 1726.
- Mail-bag catcher and deliverer. E. Waterbury. No. 903,035; Nov. 3; Sp. p. 1016; Gaz. vol. 137; p. 166.
- Mail-bag catcher and deliverer. J. B. McMillan. No. 906,815; Dec. 15; Sp. p. 3280; Gaz. vol. 137; p. 1588.
- Mail-bag catching and delivering apparatus. J. B. Dawson. No. 876,864; Jan. 14; Sp. p. 2383; Dr. p. 520; Gaz. vol. 132; p. 421.
- Mail-bag catching and delivering apparatus. J. C. Dayton. No. 878,360; Feb. 4; Sp. p. 946; Dr. pp. 189-90; Gaz. vol. 132; p. 1002.
- Mail-bag catching and delivering apparatus. J. C. Dayton. No. 882,237; Mar. 17; Sp. p. 3502; Dr. p. 743; Gaz. vol. 133; p. 632.
- Mail-bag catching and delivering apparatus. N. J. Nelson. No. 884,034; Apr. 7; Sp. p. 741; Dr. p. 153; Gaz. vol. 133; p. 1310.
- Mail-bag catching and delivering apparatus. E. F. Hull. No. 884,662; Apr. 14; Sp. p. 2052; Dr. pp. 438-9; Gaz. vol. 133; p. 1544.
- Mail-bag catching and delivering apparatus. J. C. Dayton. No. 886,955; May 5; Sp. p. 1223; Dr. p. 259; Gaz. vol. 134; p. 204.
- Mail-bag catching and delivering apparatus. G. A. White and W. F. Meyer. No. 888,283; May 19; Sp. p. 3906; Dr. p. 822; Gaz. vol. 134; p. 698.
- Mail-bag catching and delivering apparatus. W. H. Nelson. No. 895,667; Aug. 11; Sp. p. 1781; Dr. pp. 378-9; Gaz. vol. 135; p. 1212.
- Mail-bag catching and delivering apparatus. O. O. Ayres. No. 897,443; Sept. 1; Sp. p. 419; Dr. pp. 89-90; Gaz. vol. 136; p. 65.
- Mail-bag catching and delivering apparatus. H. W. Brown. No. 901,150; Oct. 13; Sp. p. 2247; Dr. pp. 456-7; Gaz. vol. 136; p. 1452.
- Mail-bag catching and delivering apparatus. J. E. Boyle. No. 904,676; Nov. 24; Sp. p. 4399; Gaz. vol. 137; p. 798.
- Mail-bag catching and delivering appliance. W. M. Portee. No. 898,504; Sept. 15; Sp. p. 2547; Dr. pp. 546-7; Gaz. vol. 136; p. 471.
- Mail-bag catching and delivering device. L. H. Page. No. 892,680; July 7; Sp. p. 562; Dr. pp. 117-18; Gaz. vol. 135; p. 99.
- Mail-bag catching and delivering device. L. G. Albers. No. 895,829; Aug. 11; Sp. p. 2118; Dr. pp. 448-9; Gaz. vol. 135; p. 1265.
- Mail-bag catching and delivering device. E. M. Spotts. No. 896,946; Aug. 25; Sp. p. 4364; Dr. pp. 935-6; Gaz. vol. 135; p. 1672.
- Mail-bag catching and delivering device. C. M. D. Dines. No. 903,274; Nov. 10; Sp. p. 1482; Gaz. vol. 137; p. 274.
- Mail-bag catching and delivering mechanism. E. W. Fix. No. 878,623; Feb. 11; Sp. p. 1582; Dr. pp. 321-2; Gaz. vol. 132; p. 1124.
- Mail-bag catching and delivering mechanism. W. H. Luker. No. 883,033; Mar. 24; Sp. p. 5047; Dr. pp. 1075-6; Gaz. vol. 133; p. 926.
- Mail-bag catching and delivering mechanism. E. Henner and L. Veilleux. No. 894,639; July 28; Sp. p. 4711; Dr. p. 978; Gaz. vol. 135; p. 822.
- Mail-bag catching and delivering mechanism. L. B. Futer. No. 904,058; Nov. 17; Sp. p. 3093; Gaz. vol. 137; p. 562.
- Mail-bag-catching apparatus. H. W. Crook. No. 902,377; Oct. 27; Sp. p. 4826; Dr. pp. 975-6; Gaz. vol. 136; p. 1918.
- Mail-bag-catching crane. H. Moshier. No. 906,546; Dec. 15; Sp. p. 2773; Gaz. vol. 137; p. 1503.
- Mail-bag-collecting device. H. Hoffmann. No. 907,359; Dec. 22; Sp. p. 4355; Gaz. vol. 137; p. 1801.

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- Mail-bag deliverer. J. F. Black. No. 884,310; Apr. 7; Sp. p. 1289; Dr. p. 273; Gaz. vol. 133; p. 1398.
 Mail-bag deliverer. O. C. Brett. No. 889,172; May 26; Sp. p. 5755; Dr. p. 1218; Gaz. vol. 134; p. 1020.
 Mail-bag deliverer. L. B. Cox. No. 890,845; June 16; Sp. p. 3358; Dr. pp. 735-6; Gaz. vol. 134; p. 1655.
 Mail-bag deliverer and catcher. W. H. Rogers. No. 882,345; Mar. 17; Sp. p. 3716; Dr. p. 790; Gaz. vol. 133; p. 669.
 Mail-bag deliverer and catcher. A. S. Parker. No. 891,563; June 23; Sp. p. 4822; Dr. p. 1041; Gaz. vol. 134; p. 1591.
 Mail-bag deliverer and catcher. W. H. Rogers. No. 899,074; Sept. 22; Sp. p. 3618; Dr. p. 775; Gaz. vol. 136; p. 683.
 Mail-bag deliverer and receiver. B. Cohen. No. 892,582; July 7; Sp. p. 359; Dr. p. 79; Gaz. vol. 135; p. 67.
 Mail-bag deliverer, Double. A. A., Jr., and D. F. Douglass. No. 888,970; May 26; Sp. p. 5351; Dr. p. 4135; Gaz. vol. 134; p. 955.
 Mail-bag delivering and catching device. J. H. Whitaker. No. 888,284; May 19; Sp. p. 3909; Dr. p. 823; Gaz. vol. 134; p. 698.
 Mail-bag delivering and receiving apparatus. T. Cross. No. 893,451; July 14; Sp. p. 2151; Dr. p. 451; Gaz. vol. 135; p. 381.
 Mail-bag delivering and receiving apparatus. W. A. McLaughlin. No. 896,141; Aug. 18; Sp. p. 2703; Dr. pp. 583-4; Gaz. vol. 135; p. 1386.
 Mail-bag delivering and receiving apparatus. A. Winegardner. No. 896,787; Aug. 25; Sp. p. 4016; Dr. p. 864; Gaz. vol. 135; p. 1619.
 Mail-bag-delivering apparatus. M. A. Beard. No. 896,969; Aug. 25; Sp. p. 4430; Dr. p. 946; Gaz. vol. 135; p. 1680.
 Mail-bag-delivering apparatus. A. Thwing. No. 898,157; Sept. 8; Sp. p. 1885; Dr. p. 404; Gaz. vol. 136; p. 328.
 Mail-bag-delivering apparatus. J. B. Roddy. No. 903,407; Nov. 10; Sp. p. 1726; Gaz. vol. 137; p. 315.
 Mail-bag-delivery apparatus. A. F. Markwell. No. 888,518; May 26; Sp. p. 4381; Dr. p. 928; Gaz. vol. 134; p. 804.
 Mail-bag-delivery apparatus. W. C. Getschow. No. 891,058; June 16; Sp. p. 3802; Dr. p. 830; Gaz. vol. 134; p. 1725.
 Mail-bag-delivery apparatus. A. E. Kailer. No. 898,655; Sept. 15; Sp. p. 2854; Dr. p. 610; Gaz. vol. 136; p. 520.
 Mail-bag-delivery apparatus. W. B. De Witt. No. 898,846; Sept. 15; Sp. p. 3199; Dr. pp. 685-6; Gaz. vol. 136; p. 581.
 Mail-bag-delivery apparatus. C. W. Hutsler. No. 902,409; Oct. 27; Sp. p. 4884; Dr. pp. 988-9; Gaz. vol. 136; p. 1028.
 Mail-bag-delivery apparatus for railways. T. Mackim. No. 875,718; Jan. 7; Sp. p. 79; Dr. pp. 16-17; Gaz. vol. 132; p. 17.
 Mail-bag ejector and receiver, Automatic. G. W. Somerville. No. 889,343; June 2; Sp. p. 291; Dr. p. 69; Gaz. vol. 134; p. 1105.
 Mail-bag-handling apparatus. J. D. Dowell. No. 890,415; June 9; Sp. p. 2462; Dr. p. 545; Gaz. vol. 134; p. 1480.
 Mail-bag-handling apparatus. L. M. Bernfeld. No. 906,097; Dec. 8; Sp. p. 1933; Gaz. vol. 137; p. 1330.
 Mail-bag receiver. J. A. McCurdy. No. 907,266; Dec. 22; Sp. p. 4190; Gaz. vol. 137; p. 1770.
 Mail-bag receiver and deliverer. L. F. Kurgpewitz. No. 883,547; Mar. 31; Sp. p. 6136; Dr. pp. 1304-5; Gaz. vol. 133; p. 1124.
 Mail-bag receiving and delivering apparatus. H. J. Hedrick. No. 887,799; May 19; Sp. p. 2981; Dr. p. 626; Gaz. vol. 134; p. 540.
 Mail-bag receiving and delivering apparatus. R. G. Cass. No. 897,521; Sept. 1; Sp. p. 583; Dr. p. 121; Gaz. vol. 136; p. 91.
 Mail-bag receiving and delivering apparatus. G. Lindahl. No. 906,143; Dec. 8; Sp. p. 2021; Gaz. vol. 137; p. 1346.
 Mail-bag-receiving apparatus. H. Burch. No. 882,293; Mar. 17; Sp. p. 3614; Dr. p. 766; Gaz. vol. 133; p. 651.
 Mail-bag-receiving device. C. Thoen. No. 885,680; Apr. 21; Sp. p. 4127; Dr. p. 864; Gaz. vol. 133; p. 1904.
 Mail-bag support. W. H. Tell. No. 904,658; Nov. 24; Sp. p. 4363; Gaz. vol. 137; p. 792.
 Mail-bags and the like, Apparatus for catching and delivering. B. L. Toquet. No. 885,889; Apr. 28; Sp. p. 4560; Dr. p. 956; Gaz. vol. 133; p. 2003.
 Mail-bags from a moving train to a station, Apparatus for transferring. N. F. Valentine. No. 901,219; Oct. 13; Sp. p. 2364; Dr. p. 484; Gaz. vol. 136; p. 1472.
 Mail-bags from moving trains, Device for delivering. M. Klos. No. 898,227; Sept. 8; Sp. p. 2030; Dr. p. 430; Gaz. vol. 136; p. 350.
 Mail-bags from moving trains, Means for delivering. E. J. Patton. No. 899,894; Sept. 29; Sp. p. 5276; Dr. p. 1128; Gaz. vol. 136; p. 986.
 Mail-bags from railway-trains, Apparatus for delivering. J. C. Groetsch and C. L. Saal, Jr. No. 902,228; Oct. 27; Sp. p. 4510; Dr. p. 914; Gaz. vol. 136; p. 1869.
 Mail-bags, Means for fastening. V. Mazzatenta. No. 875,720; Jan. 7; Sp. p. 81; Dr. p. 17; Gaz. vol. 132; p. 18.
 Mail-box. J. M. Scobee. No. 877,006; Jan. 21; Sp. p. 2722; Dr. p. 589; Gaz. vol. 132; p. 510.
 Mail-box. N. Saltonstall. No. 877,952; Feb. 4; Sp. p. 111; Dr. p. 26; Gaz. vol. 132; p. 868.
 Mail-box. C. C. Myrhow. No. 879,402; Feb. 18; Sp. p. 3095; Dr. p. 643; Gaz. vol. 132; p. 1415.
 Mail-box. W. W. Palmer. No. 882,709; Mar. 24; Sp. p. 4405; Dr. p. 937; Gaz. vol. 133; p. 822.
 Mail-box. S. J. Feiknor. No. 885,460; Apr. 21; Sp. p. 3679; Dr. pp. 770-1; Gaz. vol. 133; p. 1836.
 Mail-box. J. A. Siegfried. No. 889,727; June 2; Sp. p. 1056; Dr. p. 244; Gaz. vol. 134; p. 1229.
 Mail-box. C. K. Hann. No. 890,766; June 16; Sp. p. 3209; Dr. p. 701; Gaz. vol. 134; p. 1629.
 Mail-box. W. W. Plummer. No. 893,750; July 21; Sp. p. 2869; Dr. p. 590; Gaz. vol. 135; p. 509.
 Mail-box. A. Bessner. No. 894,577; July 28; Sp. p. 4589; Dr. p. 951; Gaz. vol. 135; p. 802.
 Mail-box. A. B. Rhodes. No. 898,507; Sept. 15; Sp. p. 2555; Dr. p. 548; Gaz. vol. 136; p. 472.
 Mail-box. T. W. Anderson. No. 899,781; Sept. 29; Sp. p. 5048; Dr. p. 1082; Gaz. vol. 136; p. 950.
 Mail-box. C. E. Mendenhall. No. 900,756; Oct. 13; Sp. p. 1454; Dr. p. 296; Gaz. vol. 136; p. 1324.
 Mail-box. W. C. Groenke. No. 900,848; Oct. 13; Sp. p. 1659; Dr. p. 336; Gaz. vol. 136; p. 1355.
 Mail-box. S. T. Whitaker. No. 902,848; Nov. 3; Sp. p. 641; Gaz. vol. 137; p. 107.
 Mail-box. J. Kouba. No. 902,974; Nov. 3; Sp. p. 881; Gaz. vol. 137; p. 147.
 Mail-box. J. T. Denny. No. 903,362; Nov. 10; Sp. p. 1651; Gaz. vol. 137; p. 302.
 Mail-box. C. W. Palmer. No. 904,081; Nov. 17; Sp. p. 3140; Gaz. vol. 137; p. 569.
 Mail-box. J. N. Coulter. No. 906,389; Dec. 8; Sp. p. 2481; Gaz. vol. 137; p. 1426.
 Mail-box, Automatic. C. A. Larson. No. 876,811; Jan. 14; Sp. p. 2267; Dr. p. 499; Gaz. vol. 132; p. 403.
 Mail-box, Automatic. C. A. Gullick. No. 907,787; Dec. 29; Sp. p. 5281; Gaz. vol. 137; p. 1973.
 Mail-box coin-receptacle, Rural. W. Esselburn. No. 898,433; Sept. 15; Sp. p. 2456; Dr. p. 525; Gaz. vol. 136; p. 455.
 Mail-box signal. T. G. Brown. No. 878,036; Feb. 4; Sp. p. 297; Dr. p. 63; Gaz. vol. 132; p. 896.
 Mail-box signal. W. H. Voss. No. 884,964; Apr. 14; Sp. p. 2649; Dr. p. 563; Gaz. vol. 133; p. 1641.
 Mail-box signal-lock. S. Patterson and J. W. Wiseman. No. 875,841; Jan. 7; Sp. p. 308; Dr. p. 67; Gaz. vol. 132; p. 57.
 Mail-box signal-lock. S. Patterson and J. W. Wiseman. No. 898,000; Sept. 8; Sp. p. 1572; Dr. p. 335; Gaz. vol. 136; p. 279.
 Mail-box signaling apparatus. T. H. Sparks. No. 875,860; Jan. 7; Sp. p. 340; Dr. p. 76; Gaz. vol. 132; p. 63.
 Mail-carrier. R. P. Locom. No. 879,325; Feb. 11; Sp. p. 2542; Dr. pp. 528-9; Gaz. vol. 132; p. 1283.
 Mail-carrier. R. Chapman. No. 883,937; Apr. 7; Sp. p. 543; Dr. pp. 107-8; Gaz. vol. 133; p. 1279.
 Mail-carrier. C. B. Crabtree. No. 890,026; June 9; Sp. p. 1660; Dr. pp. 369-70; Gaz. vol. 134; p. 1353.
 Mail-cart. F. H. Cunningham. No. 881,178; Mar. 10; Sp. p. 1362; Dr. p. 294; Gaz. vol. 133; p. 262.
 Mail-catcher. E. D. Falkner. No. 892,509; July 7; Sp. p. 237; Dr. pp. 49-50; Gaz. vol. 135; p. 44.
 Mail-catcher. J. H. Earle and J. H. Senn. No. 879,816; Feb. 18; Sp. p. 3952; Dr. p. 827; Gaz. vol. 132; p. 1550.
 Mail-catcher. R. R. Roth. No. 901,042; Oct. 13; Sp. p. 2051; Dr. p. 417; Gaz. vol. 136; p. 1418.
 Mail-catcher. W. D. Walton. No. 905,020; Nov. 24; Sp. p. 5144; Gaz. vol. 137; p. 916.
 Mail catcher and deliverer. S. T. Long. No. 888,718; May 26; Sp. p. 4802; Dr. p. 1023; Gaz. vol. 134; p. 872.
 Mail catcher and deliverer. A. C. Rummel. No. 887,154; Aug. 25; Sp. p. 4799; Dr. p. 1022; Gaz. vol. 135; p. 1742.
 Mail catcher and deliverer. J. C. Watts. No. 897,803; Sept. 1; Sp. p. 1149; Dr. p. 245; Gaz. vol. 136; p. 182.
 Mail catcher and deliverer. B. Clark. No. 906,107; Dec. 8; Sp. p. 1960; Gaz. vol. 137; p. 1334.
 Mail catcher and deliverer. E. Britton. No. 907,566; Dec. 22; Sp. p. 4754; Gaz. vol. 137; p. 1869.
 Mail catcher and deliverer, Railway. W. T. Seabee. No. 884,868; Apr. 14; Sp. p. 2468; Dr. pp. 519-20; Gaz. vol. 133; p. 1613.
 Mail catching and delivering apparatus. O. C. Harden. No. 889,123; May 26; Sp. p. 5648; Dr. p. 1196; Gaz. vol. 134; p. 1003.
 Mail catching and delivering apparatus. J. Q. Adams. No. 890,391; June 9; Sp. p. 2417; Dr. p. 533; Gaz. vol. 134; p. 1473.
 Mail catching and delivering device. C. Andrews. No. 882,661; June 24; Sp. p. 4314; Dr. pp. 916-17; Gaz. vol. 133; p. 806.
 Mail catching and delivering device. F. W. Renner. No. 831,006; June 16; Sp. p. 3703; Dr. pp. 807-8; Gaz. vol. 134; p. 1707.
 Mail catching and delivering device. M. D. Cummings. No. 895,004; Aug. 4; Sp. p. 465; Dr. p. 294; Gaz. vol. 135; p. 969.
 Mail catching and delivering device. R. R. Roth. No. 895,203; Aug. 4; Sp. p. 861; Dr. p. 180; Gaz. vol. 135; p. 1038.
 Mail catching and delivering means. C. Beatty. No. 890,118; June 9; Sp. p. 1846; Dr. p. 407; Gaz. vol. 134; p. 1385.
 Mail catching and delivery system. W. Wenzel. No. 880,259; Feb. 25; Sp. p. 4892; Dr. p. 1034; Gaz. vol. 132; p. 1730.
 Mail-chute. J. W. Cutler. No. 881,111; Mar. 10; Sp. p. 1232; Dr. p. 265; Gaz. vol. 133; p. 239.
 Mail-chute. J. W. Cutler. No. 881,180; Mar. 10; Sp. p. 1366; Dr. pp. 265-6; Gaz. vol. 133; p. 262.
 Mail-chute. R. W. Ashley. No. 891,520; June 23; Sp. p. 4739; Dr. p. 1026; Gaz. vol. 134; p. 1907.
 Mail-chute. J. W. Cutler. No. 899,156; Sept. 22; Sp. p. 3781; Dr. pp. 809-10; Gaz. vol. 136; p. 710.
 Mail-chute. J. W. Cutler. No. 898,157; Sept. 22; Sp. p. 3783; Dr. p. 810; Gaz. vol. 136; p. 711.
 Mail-chute. J. W. Cutler. No. 898,158; Sept. 22; Sp. p. 3787; Dr. p. 811; Gaz. vol. 136; p. 711.
 Mail-chute-locking device. J. W. Cutler. No. 881,112; Mar. 10; Sp. p. 1235; Dr. p. 266; Gaz. vol. 133; p. 239.
 Mail-chute-locking device. J. W. Cutler. No. 881,179; Mar. 10; Sp. p. 1363; Dr. p. 294; Gaz. vol. 133; p. 262.
 Mail-chute-securing device. J. W. Cutler. No. 894,728; July 28; Sp. p. 4871; Dr. p. 1014; Gaz. vol. 135; p. 850.
 Mail-chutes, Locking device for the removable sections of. J. W. Cutler. No. 894,191; July 28; Sp. p. 3788; Dr. pp. 784-5; Gaz. vol. 135; p. 674.
 Mail-collecting announcer. H. F. Rose. No. 901,480; Oct. 20; Sp. p. 2980; Dr. p. 607; Gaz. vol. 136; p. 1598.
 Mail-conveyer. F. E. Wolken. No. 883,067; Mar. 24; Sp. p. 5111; Dr. p. 1090; Gaz. vol. 133; p. 938.
 Mail-crane. S. L. Lucas. No. 880,550; Mar. 3; Sp. p. 113; Dr. p. 26; Gaz. vol. 133; p. 23.

Alphabetical list of inventions—Continued.

- Mail-crane. W. Watts. No. 880,609; Mar. 3; Sp. p. 246; Dr. p. 51; Gaz. vol. 133; p. 43.
 Mail-crane. A. C. McCord. No. 884,407; Apr. 14; Sp. p. 1492; Dr. p. 320; Gaz. vol. 133; p. 1461.
 Mail-crane. F. B. Reed. No. 888,452; May 19; Sp. p. 4252; Dr. pp. 900-1; Gaz. vol. 134; p. 752.
 Mail-crane. S. T. Long. No. 888,717; May 26; Sp. p. 4800; Dr. pp. 1022-3; Gaz. vol. 134; p. 871.
 Mail-crane. I. H. Pringle. No. 889,545; June 2; Sp. p. 706; Dr. p. 163; Gaz. vol. 134; p. 1171.
 Mail-crane. C. C. Hagmann and J. C. Fitzpatrick. No. 894,735; July 28; Sp. p. 4887; Dr. p. 1017; Gaz. vol. 135; p. 853.
 Mail-crane. J. Bour. No. 897,268; Sept. 1; Sp. p. 12; Dr. p. 3; Gaz. vol. 136; p. 4.
 Mail-deliverer. J. R. Hendrickson. No. 906,227; Dec. 8; Sp. p. 2192; Gaz. vol. 137; p. 1375.
 Mail-deliverer, Automatic. W. B. Thayer. No. 903,242; Nov. 10; Sp. p. 1417; Gaz. vol. 137; p. 262.
 Mail delivering and collecting machine, Electric. O. E. Stout. No. 901,847; Oct. 20; Sp. p. 3724; Dr. p. 757; Gaz. vol. 136; p. 1716.
 Mail delivering and receiving apparatus. M. Mehrens. No. 905,902; Dec. 8; Sp. p. 1565; Gaz. vol. 137; p. 1269.
 Mail-delivering apparatus, Automatic. C. U. Greeley. No. 892,250; June 30; Sp. p. 6207; Dr. pp. 1337-8; Gaz. vol. 134; p. 2179.
 Mail-delivering device. I. E. Payne. No. 889,634; June 2; Sp. p. 869; Dr. p. 199; Gaz. vol. 134; p. 1200.
 Mail-delivering device. F. E. Kampmeier, Sr., and W. F. Fleisher. No. 895,272; Aug. 4; Sp. p. 1013; Dr. p. 212; Gaz. vol. 135; p. 1061.
 Mail-delivering device. W. L. Lightford. No. 896,807; Aug. 18; Sp. p. 3038; Dr. p. 653; Gaz. vol. 135; p. 1441.
 Mail-delivering device. G. M. Beard. No. 900,647; Oct. 6; Sp. p. 1236; Dr. p. 253; Gaz. vol. 136; p. 1263.
 Mail-delivery. C. E. Young. No. 906,598; Dec. 15; Sp. p. 2862; Gaz. vol. 137; p. 1519.
 Mail-delivery apparatus. A. K. Landis. No. 886,995; May 5; Sp. p. 1300; Dr. p. 274; Gaz. vol. 134; p. 216.
 Mail-delivery apparatus. C. E. Reid and J. Heissenberger. No. 899,903; Sept. 29; Sp. p. 5294; Dr. p. 1132; Gaz. vol. 136; p. 989.
 Mail-delivery apparatus. W. A. Atwell. No. 905,272; Dec. 1; Sp. p. 291; Gaz. vol. 137; p. 1033.
 Mail-delivery apparatus, Automatic. J. Saulesberry. No. 903,009; Nov. 3; Sp. p. 964; Gaz. vol. 137; p. 159.
 Mail-delivery apparatus, Rural-. J. M. Branham. No. 876,433; Jan. 14; Sp. p. 1504; Dr. pp. 323-4; Gaz. vol. 132; p. 277.
 Mail-delivery cabinet and heater, Combined rural-. J. W. Walker. No. 904,740; Nov. 24; Sp. p. 4534; Gaz. vol. 137; p. 820.
 Mail-delivery device. W. Farmer. No. 903,278; Nov. 10; Sp. p. 1490; Gaz. vol. 137; p. 275.
 Mail-delivery for railway-cars, Automatic. C. E. Tener. No. 887,292; May 12; Sp. p. 1951; Dr. p. 410; Gaz. vol. 134; p. 342.
 Mail-delivery system. J. F. Stout. No. 875,864; Jan. 7; Sp. p. 346; Dr. p. 77; Gaz. vol. 132; p. 64.
 Mail despatcher and receiver, Combined. J. E. Carter. No. 894,596; July 28; Sp. p. 4632; Dr. pp. 960-1; Gaz. vol. 135; p. 808.
 Mail-distributing apparatus. W. Barry. No. 908,195; Dec. 29; Sp. p. 6135; Gaz. vol. 137; p. 2108.
 Mail-distributing apparatus. W. Barry. No. 908,377; Dec. 29; Sp. p. 6521; Gaz. vol. 137; p. 2170.
 Mail-handling apparatus. W. C. Thornton. No. 884,240; Apr. 7; Sp. p. 1178; Dr. pp. 248-9; Gaz. vol. 133; p. 1378.
 Mail-handling apparatus. M. M. Miller and G. S. Steinberger. No. 902,986; Nov. 3; Sp. p. 919; Gaz. vol. 137; p. 151.
 Mail-holder. T. A. Hill. No. 883,198; Mar. 31; Sp. p. 5395; Dr. p. 1148; Gaz. vol. 133; p. 1011.
 Mail-marking machine. F. C. Ielfield. No. 888,809; May 26; Sp. p. 5016; Dr. pp. 1069-70; Gaz. vol. 134; p. 901.
 Mail-marking machine. T. G. Stoddard and G. H. Barbour. No. 891,195; June 16; Sp. p. 4049; Dr. pp. 887-8; Gaz. vol. 134; p. 1767.
 Mail-marking machine. H. E. Waite. No. 907,922; Dec. 29; Sp. p. 5548; Gaz. vol. 137; p. 2016.
 Mail marking or canceling machine. F. C. Ielfield. No. 896,834; Aug. 25; Sp. p. 4123; Dr. p. 884; Gaz. vol. 135; p. 1635.
 Mail-matter, Register for railway. A. L. Georger. No. 879,956; Feb. 25; Sp. p. 4283; Dr. pp. 895-6; Gaz. vol. 132; p. 1630.
 Mail-matter stamping and sealing machine. E. C. Morris and L. J. Hall. No. 884,837; Apr. 14; Sp. p. 2393; Dr. pp. 504-6; Gaz. vol. 133; p. 1603.
 Mail-matter stamping and sealing machine. E. C. Morris and L. J. Hall. No. 884,838; Apr. 14; Sp. p. 2411; Dr. pp. 506-8; Gaz. vol. 133; p. 1604.
 Mail, parcels, or the like, Delivery apparatus for. S. H. Roby. No. 905,370; Dec. 1; Sp. p. 483; Gaz. vol. 137; p. 1065.
 Mail-pouch catcher. R. H. Powell. No. 879,901; Feb. 25; Sp. p. 4185; Dr. pp. 873-4; Gaz. vol. 132; p. 1612.
 Mail-pouch catcher. E. J. Swooley. No. 886,163; Apr. 28; Sp. p. 5130; Dr. p. 1078; Gaz. vol. 133; p. 2092.
 Mail-pouch catcher. W. E. Allen. No. 891,518; June 23; Sp. p. 4736; Dr. p. 1025; Gaz. vol. 134; p. 1907.
 Mail-pouch catcher. J. J. Flynn. No. 896,288; Aug. 18; Sp. p. 3002; Dr. pp. 645-6; Gaz. vol. 135; p. 1435.
 Mail-pouch-catching device. G. M. Foley. No. 898,208; Sept. 8; Sp. p. 1978; Dr. p. 422; Gaz. vol. 136; p. 343.
 Mail-pouch deliverer. W. M. Rawl. No. 891,733; June 23; Sp. p. 5177; Dr. p. 1118; Gaz. vol. 134; p. 1977.
 Mail-pouch delivering and receiving apparatus. A. Hupp. No. 903,473; Nov. 10; Sp. p. 1875; Gaz. vol. 137; p. 339.
 Mail-pouch-delivering apparatus. C. A. Willis. No. 882,223; Mar. 17; Sp. p. 3472; Dr. p. 738; Gaz. vol. 133; p. 627.
 Mail-pouch-delivering apparatus. C. A. Willis. No. 886,334; Apr. 28; Sp. p. 5489; Dr. p. 1149; Gaz. vol. 133; p. 2152.
 Mail-pouch-delivery device. W. A. Virgils. No. 884,782; Apr. 14; Sp. p. 2300; Dr. p. 484; Gaz. vol. 133; p. 1555.
 Mail-pouch-handling apparatus. J. J. Paterson. No. 908,321; Dec. 29; Sp. p. 6399; Gaz. vol. 137; p. 2151.
 Mail-pouch receiver. H. Clay. No. 889,105; May 26; Sp. p. 5611; Dr. pp. 1187-8; Gaz. vol. 134; p. 997.
 Mail-pouch receiving and delivery apparatus for railway-cars. N. S. Brown. No. 880,007; Feb. 25; Sp. p. 4374; Dr. p. 917; Gaz. vol. 132; p. 1646.
 Mail-pouch receiving and delivery apparatus for railway-cars. C. W. Broughton. No. 880,008; Feb. 25; Sp. p. 4375; Dr. p. 918; Gaz. vol. 132; p. 1647.
 Mail-pouch receiving and delivery mechanism. W. H. Jones. No. 908,007; Dec. 29; Sp. p. 5743; Gaz. vol. 137; p. 2045.
 Mail-pouch-receiving apparatus for railway-cars. C. W. Broughton. No. 895,421; Aug. 11; Sp. p. 1295; Dr. p. 272; Gaz. vol. 135; p. 1132.
 Mail-pouch receiving or delivering apparatus for railway-cars. C. W. Broughton. No. 895,422; Aug. 11; Sp. p. 1297; Dr. p. 272; Gaz. vol. 135; p. 1133.
 Mail-pouch-transferring apparatus. R. C. Sharp. No. 880,409; Feb. 25; Sp. p. 5188; Dr. p. 1093; Gaz. vol. 132; p. 1779.
 Mail-pouches on railway mail-cars, Apparatus for catching and delivering. M. E. Allen. No. 889,084; May 26; Sp. p. 5549; Dr. p. 1179; Gaz. vol. 134; p. 991.
 Mail receiving and delivering apparatus. T. Keeper. No. 893,515; July 14; Sp. p. 2291; Dr. p. 480; Gaz. vol. 135; p. 401.
 Mail receiving and delivering apparatus. T. Allatt and L. A. Kerwin. No. 893,967; July 21; Sp. p. 3312; Dr. p. 680; Gaz. vol. 135; p. 580.
 Mail receiving and delivering apparatus. S. Denney, Jr. No. 896,713; Aug. 25; Sp. p. 3843; Dr. p. 832; Gaz. vol. 135; p. 1593.
 Mail receiving and delivering apparatus. J. S. Lanier. No. 898,486; Sept. 15; Sp. p. 2514; Dr. p. 538; Gaz. vol. 136; p. 465.
 Mail receiving and delivering apparatus. J. S. Lanier. No. 905,718; Dec. 1; Sp. p. 1191; Gaz. vol. 137; p. 1177.
 Mail receiving and delivering mechanism. J. S. Lanier. No. 898,487; Sept. 15; Sp. p. 2517; Dr. p. 538; Gaz. vol. 136; p. 466.
 Mail-receiving case. A. Haentze. No. 882,381; Mar. 17; Sp. p. 3770; Dr. p. 804; Gaz. vol. 133; p. 680.
 Mail-receiving mechanism for railway-cars. F. H. Burr. No. 895,723; Aug. 11; Sp. p. 1894; Dr. p. 401; Gaz. vol. 135; p. 1231.
 Mail-receptacle. M. S. Field. No. 894,376; July 28; Sp. p. 4186; Dr. p. 863; Gaz. vol. 135; p. 736.
 Mail-sack. G. Smoot. No. 886,264; Apr. 28; Sp. p. 5309; Dr. p. 1118; Gaz. vol. 133; p. 2126.
 Mail-sack catcher. R. H. Millen. No. 899,456; Sept. 22; Sp. p. 4345; Dr. p. 933; Gaz. vol. 136; p. 805.
 Mail-sack-delivering apparatus. T. J. Grace. No. 886,290; Apr. 28; Sp. p. 5366; Dr. p. 1128; Gaz. vol. 133; p. 2136.
 Mail-sack-delivering apparatus. C. J. Rinderknecht. No. 907,286; Dec. 22; Sp. p. 4227; Gaz. vol. 137; p. 1778.
 Mail-sack-delivery apparatus. C. B. Bryant. No. 893,141; July 14; Sp. p. 1536; Dr. p. 324; Gaz. vol. 135; p. 280.
 Mail-sack-exchange mechanism for railways. R. Kersey. No. 899,170; Sept. 22; Sp. p. 3813; Dr. p. 817; Gaz. vol. 136; p. 715.
 Mail-transferring apparatus. R. H. Page. No. 904,443; Nov. 17; Sp. p. 3907; Gaz. vol. 137; p. 693.
 Mail-wrapper. L. Vecchio. No. 889,347; June 2; Sp. p. 299; Dr. pp. 70-1; Gaz. vol. 134; p. 1107.
 Mailable papers, Means for closing and sealing. R. M. Kerr. No. 889,529; June 2; Sp. p. 683; Dr. p. 157; Gaz. vol. 134; p. 1166.
 Mailer. C. Wing. No. 895,528; Aug. 11; Sp. p. 1513; Dr. p. 320; Gaz. vol. 135; p. 1169.
 Mailer, Coin-. G. W. Collings. No. 885,724; Apr. 28; Sp. p. 4227; Dr. p. 886; Gaz. vol. 133; p. 1948.
 Mailing and advertising card. W. E. Colwell. No. 906,774; Dec. 15; Sp. p. 3210; Gaz. vol. 137; p. 1575.
 Mailing-card. H. E. Smith. No. 887,351; May 12; Sp. p. 2072; Dr. p. 434; Gaz. vol. 134; p. 363.
 Mailing-card, Pictorial. A. M. Simon. No. 883,352; Mar. 31; Sp. p. 5701; Dr. p. 1217; Gaz. vol. 133; p. 1061.
 Mailing device. J. M. McLellan. No. 886,843; May 5; Sp. p. 1027; Dr. p. 215; Gaz. vol. 134; p. 168.
 Mailing device. H. M. O'Reilly. No. 892,879; July 7; Sp. p. 985; Dr. pp. 205-6; Gaz. vol. 135; p. 164.
 Mailing device and picture-frame, Combination. B. W. Mulkey. No. 896,231; Aug. 18; Sp. p. 2875; Dr. pp. 619-20; Gaz. vol. 135; p. 1417.
 Mailing-folder. R. G. Stevens. No. 892,461; July 7; Sp. p. 141; Dr. p. 30; Gaz. vol. 135; p. 28.
 Mailing or similar cases, Labeling device for. I. W. Liggett. No. 905,545; Dec. 1; Sp. p. 883; Gaz. vol. 137; p. 1124.
 Mailing or stamping machine. R. D. Simpson. No. 898,609; Sept. 15; Sp. p. 2754; Dr. p. 589; Gaz. vol. 136; p. 505.
 Mailing-tube. J. A. Murphy. No. 901,305; Oct. 13; Sp. p. 2550; Dr. p. 525; Gaz. vol. 136; p. 1501.
 Mailing-wrapper. H. L. Greve. No. 891,418; June 23; Sp. p. 4536; Dr. p. 986; Gaz. vol. 134; p. 1874.
 Main: See Hydraulic main.
 Maize or Indian corn, Degerming. J. F. Gent. No. 877,641; Jan. 28; Sp. p. 4014; Dr. p. 867; Gaz. vol. 132; p. 740.
 Make-and-break device. D. Sandretto. No. 896,586; Aug. 18; Sp. p. 3597; Dr. p. 773; Gaz. vol. 135; p. 1532.
 Mall for driving posts into the ground. T. R. Beard. No. 897,573; Sept. 1; Sp. p. 684; Dr. p. 143; Gaz. vol. 136; p. 108.
 Malleable handle. P. D. Skahen. No. 897,419; Sept. 1; Sp. p. 370; Dr. pp. 77-8; Gaz. vol. 136; p. 58.

Alphabetical list of inventions—Continued.

- Malt by means of chlorid of lime or other hypochlorite salts, Preparing. J. Effront. No. 884,725; Apr. 14; Sp. p. 2173; Gaz. vol. 133; p. 1566.
- Malt-drying apparatus, Green-. J. Elsner and C. Guttwein. No. 899,037; Sept. 22; Sp. p. 3550; Dr. p. 760; Gaz. vol. 136; p. 671.
- Malt-house. W. H. Prinz. No. 905,225; Dec. 1; Sp. p. 211; Gaz. vol. 137; p. 1018.
- Malt-kiln. H. Wettig. No. 876,756; Jan. 14; Sp. p. 2181; Dr. p. 479; Gaz. vol. 132; p. 387.
- Malt-kiln. W. H. Prinz. No. 897,781; Sept. 1; Sp. p. 1092; Dr. p. 234; Gaz. vol. 136; p. 175.
- Malt-kiln. E. G. Adiam. No. 883,848; Apr. 7; Sp. p. 359; Dr. p. 70; Gaz. vol. 133; p. 1248.
- Malting apparatus. W. P. Rice. No. 885,291; Apr. 21; Sp. p. 3336; Dr. pp. 697-8; Gaz. vol. 133; p. 1781.
- Malting apparatus. J. F. Dorfeld. No. 890,031; June 9; Sp. p. 1668; Dr. pp. 371-2; Gaz. vol. 134; p. 1355.
- Malting-kiln. A. Oertel. No. 896,752; Aug. 25; Sp. p. 3936; Dr. p. 848; Gaz. vol. 135; p. 1606.
- Malting process. A. Oertel. No. 885,811; Apr. 28; Sp. p. 4417; Dr. p. 926; Gaz. vol. 133; p. 1977.
- Manacle. B. L. Ward. No. 886,137; Apr. 28; Sp. p. 5090; Dr. p. 1068; Gaz. vol. 133; p. 2084.
- Mandolin. F. Lang. No. 904,252; Nov. 17; Sp. p. 3520; Gaz. vol. 137; p. 629.
- Mandrel. W. Evans. No. 899,530; Sept. 29; Sp. p. 4512; Dr. p. 969; Gaz. vol. 136; p. 867.
- Mandrel, Collapsible. T. Hansen. No. 880,517; Mar. 3; Sp. p. 48; Dr. p. 12; Gaz. vol. 133; p. 12.
- Mandrel, Piercing-. R. J. Gardner. No. 882,582; Mar. 24; Sp. p. 4156; Dr. p. 881; Gaz. vol. 133; p. 779.
- Manganese and ferromanganese, Making. A. G. Betts. No. 905,281; Dec. 1; Sp. p. 308; Gaz. vol. 137; p. 1036.
- Manganese, silicid, Producing. E. F. Price. No. 882,582; Mar. 24; Sp. p. 4156; Dr. p. 881; Gaz. vol. 133; p. 779.
- Mangle. L. H. Slaght. No. 883,497; Mar. 31; Sp. p. 6026; Dr. pp. 1286-7; Gaz. vol. 133; p. 1111.
- Mangle. R. Thass and P. Röhrich. No. 896,174; Aug. 18; Sp. p. 2761; Dr. p. 594; Gaz. vol. 135; p. 1396.
- Mangle. P. L. Brockardt. No. 897,859; Sept. 1; Sp. p. 1266; Dr. p. 271; Gaz. vol. 136; p. 199.
- Mangle. C. Stastka. No. 906,325; Dec. 8; Sp. p. 2381; Gaz. vol. 137; p. 1408.
- Mangle-apron guide. E. F. Wood. No. 893,690; July 21; Sp. p. 2659; Dr. p. 558; Gaz. vol. 135; p. 488.
- Mangling-machine. F. W. Denzler. No. 893,844; Sept. 15; Sp. p. 3197; Dr. p. 685; Gaz. vol. 136; p. 581.
- Manhole-cover. H. Del Mar. No. 893,096; Mar. 24; Sp. p. 5167; Dr. p. 1103; Gaz. vol. 133; p. 947.
- Manhole-cover. B. J. Morrison. No. 903,750; Nov. 10; Sp. p. 2426; Gaz. vol. 137; p. 425.
- Manhole-lid. H. A. E. Liebert. No. 883,965; Apr. 7; Sp. p. 604; Dr. p. 120; Gaz. vol. 133; p. 1288.
- Manhole-locking device. J. H. Cook. No. 887,591; May 12; Sp. p. 2559; Dr. p. 540; Gaz. vol. 134; p. 441.
- Manicure implement. T. Miller. No. 893,004; July 14; Sp. p. 1263; Dr. p. 266; Gaz. vol. 135; p. 236.
- Manicure implement. T. Miller. No. 894,161; July 21; Sp. p. 3705; Dr. p. 768; Gaz. vol. 135; p. 644.
- Manicure implement. T. Miller. No. 900,758; Oct. 13; Sp. p. 1458; Dr. p. 297; Gaz. vol. 136; p. 1325.
- Manicuring implement. D. F. Asbury. No. 875,681; Jan. 7; Sp. p. 9; Dr. p. 2; Gaz. vol. 132; p. 4.
- Manicuring implement. A. S. Nichols. No. 906,651; Dec. 15; Sp. p. 2966; Gaz. vol. 137; p. 1535.
- Manicuring-tool, Pocket. A. Holmquist. No. 881,125; Mar. 10; Sp. p. 1262; Dr. p. 272; Gaz. vol. 133; p. 244.
- Manifolding apparatus. C. W. Byham. No. 883,694; Apr. 7; Sp. p. 20; Dr. pp. 4-5; Gaz. vol. 133; p. 1199.
- Manifolding bill and envelop, Combined. J. H. Shaw. No. 893,202; July 14; Sp. p. 1651; Dr. pp. 348-9; Gaz. vol. 135; p. 298.
- Manifolding device. A. T. Moore. No. 883,900; Apr. 7; Sp. p. 465; Dr. pp. 91-2; Gaz. vol. 133; p. 1266.
- Manifolding-pad holder. A. F. Staples. No. 881,497; Mar. 10; Sp. p. 2005; Dr. p. 437; Gaz. vol. 133; p. 364.
- Manipulator. J. W. Weber (Reissue). No. 12,859; Sept. 29; Sp. p. 5686; Dr. p. 1214; Gaz. vol. 136; p. 1045.
- Manometer. O. C. Smith and P. Latham. No. 891,193; June 16; Sp. p. 4045; Dr. p. 886; Gaz. vol. 134; p. 1766.
- Manometer, Recording-. E. N. Connet. No. 890,844; June 16; Sp. p. 3355; Dr. p. 735; Gaz. vol. 134; p. 1654.
- Mantle-burner. R. M. Dixon. No. 884,137; Apr. 7; Sp. p. 992; Dr. p. 207; Gaz. vol. 133; p. 1344.
- Mantle-ring mold. B. D. Kenney. No. 899,871; Sept. 29; Sp. p. 5241; Dr. p. 1120; Gaz. vol. 136; p. 979.
- Mantle-support, Adjustable. F. B. Howard and A. Rector. No. 879,874; Feb. 25; Sp. p. 4100; Dr. p. 860; Gaz. vol. 132; p. 1602.
- Mantle-support and protecting same. J. P. Harris. No. 881,577; Mar. 10; Sp. p. 2157; Dr. p. 471; Gaz. vol. 133; p. 392.
- Mantles, Machine for gathering and sewing the heads of. S. Cohn. No. 885,437; Apr. 21; Sp. p. 3635; Dr. pp. 762-3; Gaz. vol. 133; p. 1823.
- Mantles, Process and compound for treating. M. H. Hulings. No. 889,308; June 2; Sp. p. 230; Gaz. vol. 134; p. 1095.
- Manure-distributor. S. H. Garst. No. 893,621; July 21; Sp. p. 2527; Dr. pp. 527-8; Gaz. vol. 135; p. 466.
- Manure fork or carrier. L. Knifen. No. 893,251; July 14; Sp. p. 1745; Dr. p. 369; Gaz. vol. 135; p. 315.
- Manure, lime, or the like, Machine for distributing artificial. F. Grundmann. No. 891,691; June 23; Sp. p. 5107; Dr. p. 1102; Gaz. vol. 134; p. 1964.
- Manure-loader. C. O. Linn. No. 888,918; May 26; Sp. p. 5242; Dr. p. 1112; Gaz. vol. 134; p. 938.
- Manure-loader. J. D. Rietveld, C. Dieleman and W. D. Rietveld. No. 889,336; June 2; Sp. p. 277; Dr. pp. 67-8; Gaz. vol. 134; p. 1103.
- Manure-loader. F. R. Brown. No. 898,960; Sept. 15; Sp. p. 3399; Dr. pp. 729-30; Gaz. vol. 136; p. 619.
- Manure-loader. J. B. Schuman. No. 904,457; Nov. 17; Sp. p. 3932; Gaz. vol. 137; p. 698.
- Manure-loader. C. R. Roberts and F. Weber. No. 905,927; Dec. 8; Sp. p. 1608; Gaz. vol. 137; p. 1278.
- Manure-loader. R. J. McKinley and W. T. Aitken. No. 907,272; Dec. 22; Sp. p. 4200; Gaz. vol. 137; p. 1772.
- Manure loader and spreader, Combined. F. E. Schae. No. 883,243; Mar. 31; Sp. p. 5488; Dr. p. 1170; Gaz. vol. 133; p. 1026.
- Manure-pouch. W. A. Rietveld. No. 900,783; Oct. 13; Sp. p. 1522; Dr. p. 310; Gaz. vol. 136; p. 1333.
- Manure-scraper. J. D. Rietveld, C. Dieleman and W. D. Rietveld. No. 890,176; June 9; Sp. p. 1972; Dr. p. 435; Gaz. vol. 134; p. 1404.
- Manure scraper and loader. S. R. French. No. 879,253; Feb. 18; Sp. p. 2784; Dr. p. 584; Gaz. vol. 132; p. 1367.
- Manure-spreader. B. M. Buehler. No. 882,370; Mar. 17; Sp. p. 3756; Dr. p. 800; Gaz. vol. 133; p. 677.
- Manure-spreader. D. K. Wilson. No. 883,268; Mar. 31; Sp. p. 5543; Dr. p. 1182; Gaz. vol. 133; p. 1035.
- Manure-spreader. D. K. Wilson and E. Buswell. No. 883,269; Mar. 31; Sp. p. 5544; Dr. p. 1183; Gaz. vol. 133; p. 1035.
- Manure-spreader. D. K. Wilson. No. 883,270; Mar. 31; Sp. p. 5547; Dr. p. 1183; Gaz. vol. 133; p. 1035.
- Manure-spreader. B. E. Miller. No. 884,515; Apr. 14; Sp. p. 1718; Dr. p. 368; Gaz. vol. 133; p. 1495.
- Manure-spreader. E. Buswell. No. 885,908; Apr. 28; Sp. p. 4596; Dr. p. 963; Gaz. vol. 133; p. 2009.
- Manure-spreader. H. Synck. No. 887,359; May 12; Sp. p. 2084; Dr. p. 437; Gaz. vol. 134; p. 366.
- Manure-spreader. C. W. West. No. 888,134; May 19; Sp. p. 3628; Dr. p. 760; Gaz. vol. 134; p. 648.
- Manure-spreader. J. F. Rude and J. W. Smith. No. 888,747; May 26; Sp. p. 4852; Dr. pp. 1034-5; Gaz. vol. 134; p. 880.
- Manure-spreader. J. Boda. No. 890,597; June 16; Sp. p. 2832; Dr. pp. 623-4; Gaz. vol. 134; p. 1572.
- Manure-spreader. J. L. Barker. No. 891,587; June 23; Sp. p. 4873; Dr. pp. 1050-1; Gaz. vol. 134; p. 1928.
- Manure-spreader. J. F. Rude and J. W. Smith. No. 892,308; June 30; Sp. p. 6320; Dr. p. 1361; Gaz. vol. 134; p. 2199.
- Manure-spreader. C. L. Dyk. No. 893,789; July 21; Sp. p. 2944; Dr. p. 602; Gaz. vol. 135; p. 522.
- Manure-spreader. C. L. Dyk. No. 894,261; July 28; Sp. p. 3952; Dr. p. 814; Gaz. vol. 135; p. 698.
- Manure-spreader. A. A. Fokken. No. 895,358; Aug. 4; Sp. p. 1161; Dr. pp. 243-4; Gaz. vol. 135; p. 1088.
- Manure-spreader. F. E. Shields. No. 898,934; Sept. 15; Sp. p. 3355; Dr. pp. 720-1; Gaz. vol. 136; p. 610.
- Manure-spreader. D. K. Wilson. No. 903,123; Nov. 3; Sp. p. 1177; Gaz. vol. 137; p. 192.
- Manure-spreader. S. H. Garst. No. 903,703; Nov. 10; Sp. p. 2340; Gaz. vol. 137; p. 411.
- Manure-spreader. T. Brown. No. 907,124; Dec. 22; Sp. p. 3882; Gaz. vol. 137; p. 1721.
- Manure-spreader. D. K. Wilson and C. C. Butler. No. 907,932; Dec. 29; Sp. p. 5572; Gaz. vol. 137; p. 2019.
- Manure-spreader. G. W. Crane. No. 908,207; Dec. 29; Sp. p. 6169; Gaz. vol. 137; p. 2112.
- Manure-spreaders, Beater for. S. Robinson. No. 892,451; July 7; Sp. p. 122; Dr. pp. 26-7; Gaz. vol. 135; p. 25.
- Manure-spreading attachment for wagons. A. Turner and L. Howard. No. 877,227; Jan. 21; Sp. p. 3188; Dr. pp. 691-2; Gaz. vol. 132; p. 586.
- Manure-spreading machine. I. E. Quaintance. No. 896,462; Aug. 18; Sp. p. 3352; Dr. pp. 721-2; Gaz. vol. 135; p. 1491.
- Manuscript-holder. R. S. Lafont. No. 875,828; Jan. 7; Sp. p. 284; Dr. p. 62; Gaz. vol. 132; p. 53.
- Manuscript or copy holder. G. H. Phelps. No. 885,677; Apr. 21; Sp. p. 4120; Dr. p. 862; Gaz. vol. 133; p. 1903.
- Map-holder. A. J. Nystrom. No. 886,723; May 5; Sp. p. 794; Dr. p. 163; Gaz. vol. 134; p. 132.
- Map, Route-guide. C. C. Loewe. No. 891,272; June 23; Sp. p. 4221; Dr. p. 924; Gaz. vol. 134; p. 1825.
- Maps and the like, Reproduction of. E. Aberle. No. 885,418; Apr. 21; Sp. p. 3607; Dr. p. 756; Gaz. vol. 133; p. 1823.
- Maps, charts, &c., Roller for. H. W. Patton. No. 901,035; Oct. 13; Sp. p. 2040; Dr. p. 414; Gaz. vol. 136; p. 1416.
- Maps in colors and in relief, Manufacture of. A. Patesson. No. 878,308; Feb. 4; Sp. p. 851; Dr. p. 169; Gaz. vol. 132; p. 985.
- Maps, Machine for forming and securing sheet-metal rollers to. H. W. Patton. No. 905,451; Dec. 1; Sp. p. 683; Gaz. vol. 137; p. 1094.
- Maps, &c., Means for reproducing. E. Aberle. No. 903,531; Nov. 10; Sp. p. 1996; Gaz. vol. 137; p. 358.
- Marble and granite, Imitation. G. and W. J. H. Payne. No. 880,753; Mar. 3; Sp. p. 535; Dr. p. 111; Gaz. vol. 133; p. 93.
- Marble and making the same, Artificial. A. Rieschen. No. 897,493; Sept. 1; Sp. p. 516; Gaz. vol. 136; p. 82.
- Marble from gypsum, Manufacture of artificial. W. McKee. No. 886,064; Apr. 28; Sp. p. 4944; Gaz. vol. 133; p. 2061.
- Marble or the like, Machine for working. J. R. Peirce. No. 885,283; Apr. 21; Sp. p. 3326; Dr. p. 695; Gaz. vol. 133; p. 1779.
- Marble-sawing machine. J. R. Peirce. No. 894,064; July 21; Sp. p. 3493; Dr. p. 715; Gaz. vol. 135; p. 607.
- Marble-shooter. G. S. Racklyeff. No. 908,328; Dec. 29; Sp. p. 6413; Gaz. vol. 137; p. 2153.
- Marble slabs or the like, Cut-off machine for. J. R. Peirce. No. 888,732; May 26; Sp. p. 4824; Dr. pp. 1029-30; Gaz. vol. 134; p. 876.
- Marcel waves, Device for making. M. K. Tovey. No. 901,662; Oct. 20; Sp. p. 3325; Dr. p. 683; Gaz. vol. 136; p. 1655.

Alphabetical list of inventions—Continued.

- Margin-stop. C. Spiro. No. 902,263; Oct. 27; Sp. p. 4576; Dr. p. 929; Gaz. vol. 136, p. 1880.
- Marine boiler. H. E. Penney. No. 882,959; Mar. 24; Sp. p. 4919; Dr. p. 1043; Gaz. vol. 133; p. 904.
- Marine navigation. S. A. Reeve. (Reissue.) No. 12,791; May 12; Sp. p. 2848; Dr. p. 602; Gaz. vol. 134; p. 494.
- Marine propulsion. W. P. Thompson. No. 904,285; Nov. 17; Sp. p. 3599; Gaz. vol. 137; p. 642.
- Marine propulsion. W. P. Thompson. No. 904,464; Nov. 17; Sp. p. 3953; Gaz. vol. 137; p. 700.
- Marine propulsion. W. P. Thompson. No. 904,465; Nov. 17; Sp. p. 3954; Gaz. vol. 137; p. 701.
- Marker attachment. L. R. Turner. No. 901,853; Oct. 20; Sp. p. 3734; Dr. pp. 759-60; Gaz. vol. 136; p. 1717.
- Marker, Disk. C. H. Myers. No. 885,362; Apr. 21; Sp. p. 3502; Dr. p. 731; Gaz. vol. 133; p. 1806.
- Marker, Dry-goods. E. Packer. No. 900,880; Oct. 13; Sp. p. 1727; Dr. p. 349; Gaz. vol. 136; p. 1364.
- Marker, Field and garden. R. G. Boak. No. 907,721; Dec. 29; Sp. p. 5140; Gaz. vol. 137; p. 1950.
- Marker, Hill. P. Christiansson. No. 876,296; Jan. 7; Sp. p. 1208; Dr. pp. 263-4; Gaz. vol. 132; p. 202.
- Marker, Land-. D. L. Smith. No. 883,581; Mar. 31; Sp. p. 6192; Dr. p. 1319; Gaz. vol. 133; p. 1134.
- Marker, Land-. R. G. Ricks. No. 886,155; Apr. 28; Sp. p. 5118; Dr. p. 1075; Gaz. vol. 133; p. 2090.
- Marker, Land-. G. B. Randolph. No. 898,602; Sept. 15; Sp. p. 2743; Dr. p. 586; Gaz. vol. 136; p. 502.
- Marker, Land-. E. E. Youtz. No. 902,128; Oct. 27; Sp. p. 4301; Dr. pp. 871-2; Gaz. vol. 136; p. 1837.
- Marking device. F. J. Kadan. No. 878,293; Feb. 4; Sp. p. 822; Dr. p. 163; Gaz. vol. 132; p. 981.
- Marking device. R. L. Herman. No. 882,199; Mar. 17; Sp. p. 3431; Dr. p. 729; Gaz. vol. 133; p. 620.
- Marking device. R. L. Herman. No. 886,804; May 5; Sp. p. 969; Dr. p. 203; Gaz. vol. 134; p. 158.
- Marking-gage. O. T. Anderson and F. A. Johnson. No. 881,887; Mar. 17; Sp. p. 2811; Dr. p. 600; Gaz. vol. 133; p. 521.
- Marking-machine. W. P. Dun Lany. No. 881,559; Mar. 10; Sp. p. 2116; Dr. p. 402; Gaz. vol. 133; p. 385.
- Marking-machine. G. M. Diehl. No. 907,577; Dec. 22; Sp. p. 4781; Gaz. vol. 137; p. 1872.
- Marking round surfaces, Machine for. C. W. Spicer. No. 887,137; May 12; Sp. p. 1584; Dr. p. 336; Gaz. vol. 134; p. 291.
- Marking-tag. A. H. Swett. No. 893,885; July 21; Sp. p. 3143; Dr. p. 645; Gaz. vol. 135; p. 553.
- Marking-tag. I. Kaufman. No. 895,469; Aug. 11; Sp. p. 1402; Dr. p. 294; Gaz. vol. 135; p. 1149.
- Mash stirring and filtering apparatus. A. Hellwig. No. 897,205; Aug. 25; Sp. p. 4883; Dr. p. 1040; Gaz. vol. 135; p. 1757.
- Mashing-machine. A. R. Keller. No. 896,920; Aug. 25; Sp. p. 4323; Dr. pp. 926-7; Gaz. vol. 135; p. 1664.
- Mashing, mixing, and churning machine. A. C. Pancoast. No. 901,465; Oct. 20; Sp. p. 2932; Dr. pp. 598-9; Gaz. vol. 136; p. 1592.
- Mask, Base-ball. G. H. Ridlon. No. 881,957; Mar. 17; Sp. p. 2952; Dr. p. 629; Gaz. vol. 133; p. 543.
- Mask, Electrocosmetic face-. G. C. Lammers and S. Bennett. No. 887,482; May 12; Sp. p. 2358; Dr. p. 495; Gaz. vol. 134; p. 406.
- Mask, Fireman's. H. Knudsen. No. 908,108; Dec. 29; Sp. p. 5935; Gaz. vol. 137; p. 2078.
- Mask, Respiration-. G. F. Goodnow. No. 902,961; Nov. 3; Sp. p. 861; Gaz. vol. 137; p. 143.
- Masonry-fastening device. R. S. Peirce. No. 877,118; Jan. 21; Sp. p. 2946; Dr. p. 637; Gaz. vol. 132; p. 547.
- Masonry-work, Making a composition of matter for. L. A. Tye and L. N. Benjamin. No. 897,939; Sept. 8; Sp. p. 1448; Gaz. vol. 136; p. 259.
- Massage and vibratory dilator. H. H. Roberts. No. 901,376; Oct. 20; Sp. p. 2712; Dr. p. 556; Gaz. vol. 136; p. 1561.
- Massage apparatus. H. W. Smith. No. 876,103; Jan. 7; Sp. p. 813; Dr. p. 175; Gaz. vol. 132; p. 138.
- Massage apparatus. C. E. Egan. No. 879,041; Feb. 11; Sp. p. 2352; Dr. p. 492; Gaz. vol. 132; p. 1256.
- Massage apparatus. J. H. Kellogg. No. 881,321; Mar. 10; Sp. p. 1656; Dr. p. 355; Gaz. vol. 133; p. 309.
- Massage apparatus, Pneumatically-operated. T. A. McCall. No. 882,532; Mar. 17; Sp. p. 4059; Dr. p. 864; Gaz. vol. 133; p. 731.
- Massage apparatus, Vibratory. G. R. Macomber. No. 878,078; Feb. 4; Sp. p. 376; Dr. p. 78; Gaz. vol. 132; p. 909.
- Massage apparatus, Vibratory. V. Sence. No. 895,505; Aug. 11; Sp. p. 1463; Dr. p. 307; Gaz. vol. 135; p. 1160.
- Massage appliance. A. Weintraud. No. 892,341; June 30; Sp. p. 6381; Dr. p. 1376; Gaz. vol. 134; p. 2210.
- Massage device, Vibratory. A. H. Arnold and A. F. Furbush. No. 896,882; Aug. 25; Sp. p. 4215; Dr. p. 902; Gaz. vol. 135; p. 1651.
- Massage devices, Cup or head for. C. M. Siebert, Jr. No. 893,021; July 14; Sp. p. 1292; Dr. p. 272; Gaz. vol. 135; p. 241.
- Massage instrument. W. H. De Camp. No. 890,029; June 9; Sp. p. 1665; Dr. p. 371; Gaz. vol. 134; p. 1354.
- Massage-machine. W. D. Davenport. No. 907,749; Dec. 29; Sp. p. 5194; Gaz. vol. 137; p. 1959.
- Massage-machine, Electric vibrating. A. T. Hoevet. No. 887,328; May 12; Sp. p. 2030; Dr. p. 425; Gaz. vol. 134; p. 355.
- Massage-vibrator. W. G. Shelton. No. 900,602; Oct. 6; Sp. p. 1129; Dr. p. 231; Gaz. vol. 136; p. 1247.
- Massaging apparatus for the vaginal walls, &c. J. E. Ament. No. 896,505; Aug. 18; Sp. p. 3448; Dr. p. 741; Gaz. vol. 135; p. 1506.
- Massaging device. K. C. Jopling. No. 886,984; May 5; Sp. p. 1279; Dr. p. 270; Gaz. vol. 134; p. 213.
- Massaging implement. G. H. Coates. No. 906,772; Dec. 15; Sp. p. 3206; Gaz. vol. 137; p. 1575.
- Massaging instrument. J. B. Wantz. No. 899,234; Sept. 22; Sp. p. 3937; Dr. p. 840; Gaz. vol. 136; p. 735.
- Massaging-machine. C. A. Manker. No. 884,027; Apr. 7; Sp. p. 726; Dr. p. 147; Gaz. vol. 133; p. 1308.
- Massaging the hearing organs, Apparatus for. A. Zünd. No. 878,760; Feb. 11; Sp. p. 1835; Dr. p. 379; Gaz. vol. 132; p. 1168.
- Masseur and medicator, Double. O. H. Murray. No. 883,329; Mar. 31; Sp. p. 5656; Dr. p. 1207; Gaz. vol. 133; p. 1053.
- Master-sheet. P. J. Meahl. No. 885,772; Apr. 28; Sp. p. 4328; Dr. pp. 907-8; Gaz. vol. 133; p. 1963.
- Mat. T. C. McPherson. No. 894,848; Aug. 4; Sp. p. 89; Dr. p. 19; Gaz. vol. 135; p. 916.
- Match-box. H. J. Breeze. No. 875,773; Jan. 7; Sp. p. 191; Dr. p. 40; Gaz. vol. 132; p. 35.
- Match-box. E. J. Anderson. No. 887,747; May 19; Sp. p. 2867; Dr. p. 605; Gaz. vol. 134; p. 522.
- Match-box. E. J. Hawkins. No. 888,328; May 19; Sp. p. 3979; Dr. p. 838; Gaz. vol. 134; p. 711.
- Match-box. G. W. Morgan. No. 889,252; June 2; Sp. p. 112; Dr. pp. 26-7; Gaz. vol. 134; p. 1077.
- Match-box. K. E. Blomquist. No. 892,391; July 7; Sp. p. 6; Dr. p. 2; Gaz. vol. 135; p. 4.
- Match-box. A. B. Spangler. No. 893,394; July 14; Sp. p. 2007; Dr. p. 421; Gaz. vol. 135; p. 362.
- Match-box. C. W. Oertek. No. 894,692; July 28; Sp. p. 4818; Dr. p. 1000; Gaz. vol. 135; p. 840.
- Match-box. G. F. Kolb. No. 894,837; Aug. 4; Sp. p. 74; Dr. p. 15; Gaz. vol. 135; p. 912.
- Match-box. C. E. Hansen. No. 895,454; Aug. 11; Sp. p. 1361; Dr. p. 287; Gaz. vol. 135; p. 1143.
- Match-box. W. Williams. No. 897,693; Sept. 1; Sp. p. 916; Dr. p. 195; Gaz. vol. 136; p. 147.
- Match-box. E. B. Nichols. No. 898,914; Sept. 15; Sp. p. 3323; Dr. p. 712; Gaz. vol. 136; p. 604.
- Match-box. A. W. Aylsworth. No. 900,819; Oct. 13; Sp. p. 1602; Dr. p. 324; Gaz. vol. 136; p. 1346.
- Match-box. W. Lee. No. 902,418; Oct. 27; Sp. p. 4906; Dr. pp. 993-4; Gaz. vol. 136; p. 1932.
- Match-box. O. A. Garland. No. 904,691; Nov. 24; Sp. p. 4435; Gaz. vol. 137; p. 803.
- Match-box. J. A. Edes. No. 904,766; Nov. 24; Sp. p. 4603; Gaz. vol. 137; p. 828.
- Match-box. J. Yoakum. No. 906,356; Dec. 8; Sp. p. 2431; Gaz. vol. 137; p. 1417.
- Match-box. G. Johnson. No. 907,243; Dec. 22; Sp. p. 4139; Gaz. vol. 137; p. 1762.
- Match-box. F. Binder. No. 907,560; Dec. 22; Sp. p. 4745; Gaz. vol. 137; p. 1867.
- Match-box. O. S. Toothman. No. 908,050; Dec. 29; Sp. p. 5817; Gaz. vol. 137; p. 2058.
- Match-box. D. L. Cole. No. 908,075; Dec. 29; Sp. p. 5866; Gaz. vol. 137; p. 2067.
- Match-box and blank therefor. D. W. Carr. No. 908,070; Dec. 29; Sp. p. 5856; Gaz. vol. 137; p. 2065.
- Match-box and cigar-cutter. J. Adler. No. 907,709; Dec. 29; Sp. p. 5121; Gaz. vol. 137; p. 1947.
- Match-box and cigar-cutter, Combined. E. Ciner. No. 894,256; July 28; Sp. p. 3944; Dr. p. 812; Gaz. vol. 135; p. 696.
- Match-box and other receptacle. B. vom Eigen. No. 886,688; May 5; Sp. p. 707; Dr. p. 145; Gaz. vol. 134; p. 119.
- Match-box holder. W. M. Chatard. No. 893,225; July 14; Sp. p. 1693; Dr. p. 357; Gaz. vol. 135; p. 306.
- Match-box holder. W. S. Tarbox. No. 893,673; July 21; Sp. p. 2633; Dr. p. 551; Gaz. vol. 135; p. 483.
- Match-box holder. W. J. Jones. No. 905,081; Nov. 24; Sp. p. 5232; Gaz. vol. 137; p. 933.
- Match-box holder. O. C. Billman. No. 907,958; Dec. 29; Sp. p. 5630; Gaz. vol. 137; p. 2027.
- Match-box, Magazine-feed. L. Hamill. No. 878,059; Feb. 4; Sp. p. 339; Dr. p. 71; Gaz. vol. 132; p. 903.
- Match-box, Single-delivery. E. T. Murray. No. 897,642; Sept. 1; Sp. p. 811; Dr. p. 170; Gaz. vol. 136; p. 129.
- Match-box, Single-delivery. W. H. Wallace. No. 908,364; Dec. 29; Sp. p. 6484; Gaz. vol. 137; p. 2166.
- Match-boxing machine. W. H. Parker. No. 892,545; July 7; Sp. p. 295; Dr. pp. 64-5; Gaz. vol. 135; p. 55.
- Match-case. W. L. Chambers. No. 880,357; Feb. 25; Sp. p. 5071; Dr. p. 1071; Gaz. vol. 132; p. 1761.
- Match, Friction-. H. W. Whelan. No. 900,245; Oct. 6; Sp. p. 354; Dr. p. 73; Gaz. vol. 136; p. 1130.
- Match holder, lighter, and cigar-cutter. J. Zander. No. 882,729; Mar. 24; Sp. p. 4447; Dr. p. 946; Gaz. vol. 133; p. 827.
- Match-machine. W. E. Williams. No. 876,921; Jan. 14; Sp. p. 2503; Dr. pp. 546-51; Gaz. vol. 132; p. 440.
- Match-machine. W. H. Parker. No. 881,334; Mar. 10; Sp. p. 1677; Dr. p. 361; Gaz. vol. 133; p. 312.
- Match-machine. J. P. Wright. No. 901,410; Oct. 20; Sp. p. 2805; Dr. pp. 572-3; Gaz. vol. 136; p. 1574.
- Match-machines, Composition-applying mechanism for. C. A. Carlson. No. 880,354; Feb. 25; Sp. p. 5067; Dr. p. 1070; Gaz. vol. 132; p. 1760.
- Match-making machine. J. W. Lundgren. No. 892,602; July 7; Sp. p. 397; Dr. p. 88; Gaz. vol. 135; p. 73.
- Match-making machine. G. P. Loomis. No. 900,029; Sept. 29; Sp. p. 5573; Dr. pp. 1190-2; Gaz. vol. 136; p. 1029.
- Match-packing machine. E. J. Young and J. H. Weaver. No. 904,394; Nov. 17; Sp. p. 3797; Gaz. vol. 137; p. 677.
- Match-receptacle. N. O. Bull and F. Blom-Olsen. No. 888,462; May 26; Sp. p. 4279; Dr. p. 906; Gaz. vol. 134; p. 786.
- Match-receptacle. M. Joyce. No. 896,390; Aug. 18; Sp. p. 3206; Dr. p. 687; Gaz. vol. 135; p. 1467.
- Match-safe. W. F. Smith. No. 877,527; Jan. 28; Sp. p. 3778; Dr. p. 818; Gaz. vol. 132; p. 703.

Alphabetical list of inventions—Continued.

- Match-safe. H. L. Beach. No. 878,762; Feb. 11; Sp. p. 1842; Dr. p. 380; Gaz. vol. 132; p. 1169.
 Match-safe. W. A. Brewster. No. 881,051; Mar. 3; Sp. p. 1116; Dr. p. 241; Gaz. vol. 133; p. 191.
 Match-safe. G. Harris. No. 887,937; May 19; Sp. p. 3261; Dr. p. 685; Gaz. vol. 134; p. 587.
 Match-safe. E. O. H. Erickson. No. 892,233; June 30; Sp. p. 6176; Dr. p. 1330; Gaz. vol. 134; p. 2174.
 Match-safe. F. O. Swenson. No. 897,428; Sept. 1; Sp. p. 391; Dr. p. 82; Gaz. vol. 136; p. 61.
 Match-safe. E. A. Schneider. No. 897,789; Sept. 1; Sp. p. 1106; Dr. p. 237; Gaz. vol. 136; p. 177.
 Match-safe. A. Peterson. No. 902,682; Nov. 3; Sp. p. 292; Gaz. vol. 137; p. 50.
 Match-safe. J. E. Hill. No. 904,872; Nov. 24; Sp. p. 4838; Gaz. vol. 137; p. 864.
 Match-safe. C. H. Robertson. No. 906,292; Dec. 8; Sp. p. 2317; Gaz. vol. 137; p. 1397.
 Match-safe. Pocket. C. J. Nelson. No. 901,548; Oct. 20; Sp. p. 3113; Dr. pp. 635-6; Gaz. vol. 136; p. 1620.
 Match. Safety-. G. E. Schultz. No. 882,427; Mar. 17; Sp. p. 3842; Dr. p. 821; Gaz. vol. 133; p. 695.
 Match-stand. C. W. Shonk. No. 891,504; June 23; Sp. p. 4700; Dr. p. 1018; Gaz. vol. 134; p. 1902.
 Matches and stoppers, Composition for. C. H. Bach. No. 884,885; Apr. 14; Sp. p. 2490; Gaz. vol. 133; p. 1617.
 Matches, Making bodies for wax. T. Lärn. No. 884,506; Apr. 14; Sp. p. 1697; Dr. p. 365; Gaz. vol. 133; p. 1492.
 Matching mechanism. P. E. Donner and M. W. Hogle. No. 897,526; Sept. 1; Sp. p. 589; Dr. pp. 122-4; Gaz. vol. 136; p. 93.
 Mathematical instrument. A. Baur. No. 895,330; Aug. 4; Sp. p. 1118; Dr. p. 235; Gaz. vol. 135; p. 1080.
 Matrix and forming same. L. E. Morningstar. No. 891,499; June 23; Sp. p. 4690; Dr. p. 1016; Gaz. vol. 134; p. 1900.
 Matrix and holder therefor. W. E. Chalfant. No. 904,510; Nov. 24; Sp. p. 4069; Gaz. vol. 137; p. 743.
 Matrix assembling and distributing machine. F. B. Converse, Jr. No. 890,266; June 9; Sp. p. 2178; Dr. p. 479; Gaz. vol. 134; p. 1433.
 Matrix-clamp. Anterior. J. W. Ivory. No. 887,478; May 12; Sp. p. 2352; Dr. p. 494; Gaz. vol. 134; p. 404.
 Matrix corner-chamfering machine. H. A. Reynolds. No. 904,996; Nov. 24; Sp. p. 5074; Gaz. vol. 137; p. 905.
 Matrix notch-chamfering machine. H. A. Reynolds. No. 904,995; Nov. 24; Sp. p. 5070; Gaz. vol. 137; p. 904.
 Matrix or type lines, Spacer selecting and releasing mechanism for use in justifying. B. F. Bellows. No. 895,231; Aug. 4; Sp. p. 908; Dr. pp. 191-2; Gaz. vol. 135; p. 1047.
 Matter from inflamed tissues, Device for extracting. W. G. Utschig. No. 901,567; Oct. 20; Sp. p. 3145; Dr. p. 642; Gaz. vol. 136; p. 1626.
 Mattress. H. C. Innes. No. 877,568; Jan. 28; Sp. p. 3870; Dr. p. 837; Gaz. vol. 132; p. 716.
 Mattress. W. F. Wymann. No. 877,692; Jan. 28; Sp. p. 4115; Dr. p. 890; Gaz. vol. 132; p. 756.
 Mattress. F. Hoffmann. No. 893,732; July 21; Sp. p. 2833; Dr. p. 582; Gaz. vol. 135; p. 503.
 Mattress. F. A. Kaiser. No. 900,383; Oct. 6; Sp. p. 657; Dr. p. 135; Gaz. vol. 136; p. 1175.
 Mattress. F. Karr. No. 908,273; Dec. 29; Sp. p. 6296; Gaz. vol. 137; p. 2134.
 Mattress attachment. C. Uhden and I. Owen. No. 892,334; June 30; Sp. p. 6367; Dr. p. 1373; Gaz. vol. 134; p. 2207.
 Mattress-filling machine. E. Zofnass. No. 894,307; July 28; Sp. p. 4052; Dr. pp. 836-7; Gaz. vol. 135; p. 714.
 Mattress-frame. R. W. Miller. No. 831,701; Mar. 10; Sp. p. 2394; Dr. p. 519; Gaz. vol. 133; p. 430.
 Mattress-handle. C. B. Holding. No. 897,979; Sept. 8; Sp. p. 1537; Dr. p. 326; Gaz. vol. 136; p. 272.
 Mattress-making machine. D. Haynes. No. 883,015; Mar. 24; Sp. p. 5017; Dr. p. 1067; Gaz. vol. 133; p. 921.
 Mattress, Spring-. H. M. Brock. No. 877,548; Jan. 28; Sp. p. 3842; Dr. p. 831; Gaz. vol. 132; p. 711.
 Mattress, Spring-. C. W. Stevens. No. 892,566; July 7; Sp. p. 327; Dr. p. 72; Gaz. vol. 135; p. 62.
 Mattresses, Filling. F. Franke. No. 891,830; June 30; Sp. p. 5401; Dr. p. 1168; Gaz. vol. 134; p. 2042.
 Mattresses, pillows, comforts, &c., Machine for making bats for. T. J. Underwood. No. 896,778; Aug. 25; Sp. p. 3988; Dr. p. 857; Gaz. vol. 135; p. 1616.
 Maul-stick-supporting means. M. L. Brauer. No. 905,404; Dec. 1; Sp. p. 549; Gaz. vol. 137; p. 1078.
 Mausoleum, &c., Non-condensing and storm-proof. T. J. Moore. No. 878,303; Feb. 4; Sp. p. 841; Dr. p. 168; Gaz. vol. 132; p. 983.
 Measure. L. C. Farmer. No. 876,339; Jan. 14; Sp. p. 1298; Dr. p. 281; Gaz. vol. 132; p. 246.
 Measure. D. Howe. No. 894,953; Aug. 4; Sp. p. 351; Dr. p. 71; Gaz. vol. 135; p. 952.
 Measure. E. F. Leahy. No. 902,306; Oct. 27; Sp. p. 4671; Dr. p. 947; Gaz. vol. 136; p. 1895.
 Measure, Computing yard-. C. O. Gammon. No. 888,233; May 19; Sp. p. 3806; Dr. p. 799; Gaz. vol. 134; p. 681.
 Measure, Foot-. F. A. McGowan. No. 894,524; July 28; Sp. p. 4479; Dr. p. 928; Gaz. vol. 135; p. 784.
 Measure, funnel, and filter, Combined. P. M. MacKaskie. No. 892,000; June 30; Sp. p. 5737; Dr. p. 1234; Gaz. vol. 134; p. 2098.
 Measure, Linear contour. G. W. Haas. No. 889,225; June 2; Sp. p. 72; Dr. p. 16; Gaz. vol. 134; p. 1069.
 Measure, Liquid-. C. L. Tate. No. 898,701; Sept. 15; Sp. p. 2939; Dr. p. 630; Gaz. vol. 136; p. 535.
 Measure, Speed-. C. J. Mills. No. 895,484; Aug. 11; Sp. p. 1427; Dr. p. 299; Gaz. vol. 135; p. 1153.
 Measure, Tape-. S. D. Jordan. No. 886,814; May 5; Sp. p. 982; Dr. p. 206; Gaz. vol. 134; p. 160.
 Measure, Tape-. W. Chesterman. No. 898,320; Sept. 8; Sp. p. 2185; Dr. p. 463; Gaz. vol. 136; p. 378.
 Measurements, Apparatus for taking tailors'. F. Goerigk. No. 906,524; Dec. 15; Sp. p. 2738; Gaz. vol. 137; p. 1496.
 Measuring and clamping printing-forms, Device for. H. Winter. No. 879,348; Feb. 18; Sp. p. 2966; Dr. p. 619; Gaz. vol. 132; p. 1398.
 Measuring and cutting skirts, Machine for. C. P. Leyner. No. 883,726; Apr. 7; Sp. p. 93; Dr. p. 15; Gaz. vol. 133; p. 1208.
 Measuring and gaging tool. A. Wagniere. No. 878,439; Feb. 4; Sp. p. 1088; Dr. p. 222; Gaz. vol. 132; p. 1028.
 Measuring and mixing liquids, Means for. H. S. Cornish. No. 881,553; Mar. 10; Sp. p. 2106; Dr. p. 460; Gaz. vol. 133; p. 383.
 Measuring and rolling machine, Paper. S. Waring. No. 885,114; Apr. 21; Sp. p. 2953; Dr. pp. 626-7; Gaz. vol. 133; p. 1722.
 Measuring and transferring tube, Liquid. O. T. Farnham. No. 898,456; Sept. 15; Sp. p. 2460; Dr. p. 526; Gaz. vol. 136; p. 456.
 Measuring and winding machine, Lace. B. D. Wight. No. 887,449; May 12; Sp. p. 2282; Dr. p. 479; Gaz. vol. 134; p. 395.
 Measuring apparatus, Automatic electrical. D. J. Shine. No. 899,193; Sept. 22; Sp. p. 3859; Dr. p. 825; Gaz. vol. 136; p. 722.
 Measuring apparatus for indicating depths. H. H. Brown. No. 900,351; Oct. 6; Sp. p. 583; Dr. p. 121; Gaz. vol. 136; p. 1164.
 Measuring apparatus for winding machines. G. Sipp. No. 902,337; Oct. 27; Sp. p. 4760; Dr. pp. 960-1; Gaz. vol. 136; p. 1906.
 Measuring apparatus, Height-. W. H. Johnson. No. 892,735; July 7; Sp. p. 680; Dr. p. 143; Gaz. vol. 135; p. 117.
 Measuring appliance, Distance-. R. Straubel. No. 897,174; Aug. 25; Sp. p. 4830; Dr. p. 1028; Gaz. vol. 135; p. 1747.
 Measuring device. F. L. Racouillat and T. P. Reid. No. 875,948; Jan. 7; Sp. p. 496; Dr. p. 107; Gaz. vol. 132; p. 90.
 Measuring device. E. O. Engberg. No. 883,794; Apr. 7; Sp. p. 236; Dr. pp. 41-2; Gaz. vol. 133; p. 1230.
 Measuring device. E. C. Adams. No. 886,106; Apr. 28; Sp. p. 5024; Dr. p. 1056; Gaz. vol. 133; p. 2074.
 Measuring device. R. Laufer. No. 886,224; Apr. 28; Sp. p. 5235; Dr. pp. 1102-3; Gaz. vol. 133; p. 2112.
 Measuring device. O. E. Dickeson. No. 897,458; Sept. 1; Sp. p. 450; Dr. p. 96; Gaz. vol. 136; p. 71.
 Measuring device. E. J. Mezger. No. 897,987; Sept. 8; Sp. p. 1549; Dr. p. 329; Gaz. vol. 136; p. 274.
 Measuring device. J. F. Teyl and K. Wagnere. No. 903,143; Nov. 3; Sp. p. 1211; Gaz. vol. 137; p. 198.
 Measuring device, Cloth-. W. K. and T. B. Bayless. No. 879,946; Feb. 25; Sp. p. 4021; Dr. p. 843; Gaz. vol. 132; p. 1593.
 Measuring device, Foot-. A. P. Phillips. No. 902,167; Oct. 27; Sp. p. 4388; Dr. p. 888; Gaz. vol. 136; p. 1850.
 Measuring device for dressmakers and the like. J. Pohle. No. 899,802; Sept. 29; Sp. p. 5098; Dr. p. 1090; Gaz. vol. 136; p. 956.
 Measuring device for tailors' use. M. Lo Celso. No. 879,281; Feb. 18; Sp. p. 2834; Dr. p. 594; Gaz. vol. 132; p. 1376.
 Measuring device, Garment-. I. M. R. Campbell. No. 899,785; Sept. 29; Sp. p. 5058; Dr. p. 1083; Gaz. vol. 136; p. 951.
 Measuring device, Liquid-. G. F. Egan. No. 892,584; July 7; Sp. p. 365; Dr. p. 80; Gaz. vol. 135; p. 68.
 Measuring device, Self-registering land-. J. Finn. No. 882,191; Mar. 17; Sp. p. 3420; Dr. p. 727; Gaz. vol. 133; p. 618.
 Measuring device, Skirt-. M. C. Hammond. No. 878,383; Feb. 4; Sp. p. 989; Dr. p. 199; Gaz. vol. 132; p. 1010.
 Measuring device, Skirt-. N. E. Miles. No. 900,568; Oct. 6; Sp. p. 1069; Dr. p. 219; Gaz. vol. 136; p. 1236.
 Measuring device, Tailor's. S. Anderson. No. 902,704; Nov. 3; Sp. p. 346; Gaz. vol. 137; p. 58.
 Measuring device, Wall-paper-. G. H. Broadwater. No. 898,308; Sept. 8; Sp. p. 2165; Dr. p. 460; Gaz. vol. 136; p. 374.
 Measuring distances, Instrument for optically. H. Jacob. No. 881,127; Mar. 10; Sp. p. 1266; Dr. p. 273; Gaz. vol. 133; p. 245.
 Measuring-hopper. C. Suiter. No. 903,617; Nov. 10; Sp. p. 2181; Gaz. vol. 137; p. 386.
 Measuring implement. J. Larson. No. 907,511; Dec. 22; Sp. p. 4663; Gaz. vol. 137; p. 1852.
 Measuring instrument. I. E. Burley. No. 876,264; Jan. 7; Sp. p. 1120; Dr. p. 243; Gaz. vol. 132; p. 190.
 Measuring instrument. T. M. Westfall. No. 890,205; June 9; Sp. p. 2024; Dr. p. 446; Gaz. vol. 134; p. 1413.
 Measuring instrument. W. M. Wood. No. 894,770; July 28; Sp. p. 4948; Dr. p. 1032; Gaz. vol. 135; p. 864.
 Measuring instrument. E. I. and J. T. Brayton. No. 901,678; Oct. 20; Sp. p. 3366; Dr. p. 690; Gaz. vol. 136; p. 1661.
 Measuring instrument. A. S. Lane and S. Kenley. No. 903,484; Nov. 10; Sp. p. 1897; Gaz. vol. 137; p. 342.
 Measuring instrument. F. H. Pierpont. No. 904,560; Nov. 24; Sp. p. 4168; Gaz. vol. 137; p. 759.
 Measuring instrument. E. Schildhauer. No. 907,894; Dec. 29; Sp. p. 5495; Gaz. vol. 137; p. 2007.
 Measuring instrument, Combined. W. R. Chynoweth. No. 905,054; Nov. 24; Sp. p. 5182; Gaz. vol. 137; p. 925.
 Measuring instrument, Electrical. W. J. Still. No. 877,251; Jan. 21; Sp. p. 3236; Dr. pp. 700-1; Gaz. vol. 132; p. 594.
 Measuring instrument, Electrical. A. H. Hoyt. No. 879,385; Feb. 18; Sp. p. 3050; Dr. p. 635; Gaz. vol. 132; p. 1409.
 Measuring instrument, Electrical. P. MacGahan. No. 896,222; Aug. 18; Sp. p. 2860; Dr. pp. 615-16; Gaz. vol. 135; p. 1414.
 Measuring instrument, Electrically-synchronized time-. B. Bonniksen and F. A. Chandler. No. 884,358; Apr. 14; Sp. p. 1399; Dr. pp. 299-300; Gaz. vol. 133; p. 1443.
 Measuring instrument, Lens-. F. Hardinge. No. 900,531; Oct. 6; Sp. p. 988; Dr. p. 201; Gaz. vol. 136; p. 1224.
 Measuring instrument, Optician's. J. M. Coghlan. No. 878,507; Feb. 11; Sp. p. 1313; Dr. p. 265; Gaz. vol. 132; p. 1084.
 Measuring instrument with telescope, Angle-. H. Jacob. No. 892,731; July 7; Sp. p. 667; Dr. p. 141; Gaz. vol. 135; p. 115.

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- Measuring lengths of fabric, Apparatus for. A. M. Casperson. No. 897,193; Aug. 25; Sp. p. 4860; Dr. p. 1034; Gaz. vol. 135; p. 1752.
- Measuring light. W. J. Hammer. No. 888,802; May 26; Sp. p. 4989; Dr. p. 1064; Gaz. vol. 134; p. 899.
- Measuring light, Apparatus for. W. J. Hammer. No. 888,801; May 26; Sp. p. 4986; Dr. p. 1064; Gaz. vol. 134; p. 899.
- Measuring lumber, Recorder for. C. F. McLaughlin. No. 892,292; June 30; Sp. p. 6291; Dr. p. 1355; Gaz. vol. 134; p. 2194.
- Measuring-machine. W. T. Hollis. No. 889,008; May 26; Sp. p. 5411; Dr. p. 1150; Gaz. vol. 134; p. 966.
- Measuring-machine. C. H. Lantz. No. 895,276; Aug. 4; Sp. p. 1022; Dr. pp. 213-14; Gaz. vol. 135; p. 1062.
- Measuring-machine. E. E. Chain. No. 907,126; Dec. 22; Sp. p. 3886; Gaz. vol. 137; p. 1722.
- Measuring machine, Cloth-. C. G. Richardson. No. 883,669; Mar. 31; Sp. p. 6367; Dr. p. 1357; Gaz. vol. 133; p. 1161.
- Measuring machine, Cloth-. A. C. Jackson. No. 891,075; June 16; Sp. p. 3527; Dr. p. 835-6; Gaz. vol. 134; p. 1730.
- Measuring machine, Cloth-. R. G. Nicholas. No. 904,078; Nov. 17; Sp. p. 3127; Gaz. vol. 137; p. 568.
- Measuring machines, Stamping attachment for cloth-. F. Wolf. No. 882,283; Mar. 17; Sp. p. 3598; Dr. p. 763; Gaz. vol. 133; p. 648.
- Measuring meter, Liquid-. C. C. Hammond. No. 903,566; Nov. 10; Sp. p. 2066; Gaz. vol. 137; p. 369.
- Measuring-mold. A. T. Moore. No. 883,898; Apr. 7; Sp. p. 463; Dr. p. 91; Gaz. vol. 133; p. 1265.
- Measuring-rod. H. Boeck. No. 904,830; Nov. 24; Sp. p. 4741; Gaz. vol. 137; p. 851.
- Measuring-tape, Flexible steel or metal. H. J. Rabone. No. 881,826; Mar. 10; Sp. p. 2648; Dr. p. 568; Gaz. vol. 133; p. 471.
- Measuring temperatures, Electrical system of. E. Haagen. No. 880,074; Feb. 25; Sp. p. 4519; Dr. p. 951; Gaz. vol. 132; p. 1668.
- Measuring the areas of surfaces, Thickness-measuring attachment for machines for. J. Robertson and J. S. Delaney. No. 883,832; Apr. 7; Sp. p. 325; Dr. p. 61; Gaz. vol. 133; p. 1243.
- Measuring the degree of exposure of a selenium-cell. A. Korn. No. 884,501; Apr. 14; Sp. p. 1688; Dr. p. 363; Gaz. vol. 133; p. 1491.
- Measuring the distance between bearings of moving parts, Instrument for. C. Rodé and M. Picard. No. 893,753; July 21; Sp. p. 2875; Dr. p. 591; Gaz. vol. 135; p. 510.
- Measuring the heights of persons, Coin-controlled machine for. W. B. Bartram. No. 887,994; May 19; Sp. p. 3367; Dr. p. 707; Gaz. vol. 134; p. 605.
- Measuring the refraction of the eye, Lens system for. H. L. De Zeng. No. 886,770; May 5; Sp. p. 898; Dr. p. 186; Gaz. vol. 134; p. 148.
- Measuring the thickness of leather and other sheet material, Instrument for. J. Robertson and J. S. Delaney. No. 883,831; Apr. 7; Sp. p. 324; Dr. pp. 60-1; Gaz. vol. 133; p. 1243.
- Measuring-tools, Micrometer attachment for. G. Kofsky. No. 877,846; Jan. 28; Sp. p. 4393; Dr. p. 953; Gaz. vol. 132; p. 804.
- Measuring-vessel support. M. F. Moore. No. 903,302; Nov. 10; Sp. p. 1528; Gaz. vol. 137; p. 282.
- Measuring vessels, &c., Float-controlled device for. J. Meyer. No. 899,884; Sept. 29; Sp. p. 5259; Dr. p. 1125; Gaz. vol. 136; p. 982.
- Meat chopping and pounding machine. O. Talton. No. 901,267; Oct. 13; Sp. p. 2464; Dr. pp. 505-6; Gaz. vol. 136; p. 1489.
- Meat-compressor. A. Rispel. No. 905,926; Dec. 8; Sp. p. 1607; Gaz. vol. 137; p. 1278.
- Meat-cutter. H. J. Bridges. No. 892,128; June 30; Sp. p. 5971; Dr. pp. 1283-4; Gaz. vol. 134; p. 2139.
- Meat-cutter. C. H. Jull. No. 906,032; Dec. 8; Sp. p. 1807; Gaz. vol. 137; p. 1310.
- Meat-cutting machine. E. W. Rusk. No. 887,526; May 12; Sp. p. 2446; Dr. pp. 515-16; Gaz. vol. 134; p. 420.
- Meat-hanger. T. Walsh. No. 891,307; June 23; Sp. p. 4293; Dr. p. 988; Gaz. vol. 134; p. 1837.
- Meat-hook. W. L. Groff. No. 880,486; Feb. 25; Sp. p. 5367; Dr. p. 1131; Gaz. vol. 132; p. 1807.
- Meat-hook. F. D. Broga. No. 884,360; Apr. 14; Sp. p. 1403; Dr. p. 301; Gaz. vol. 133; p. 1444.
- Meat-hook. F. D. Broga. No. 884,361; Apr. 14; Sp. p. 1406; Dr. p. 301; Gaz. vol. 133; p. 1444.
- Meat-hook. E. Miller. No. 904,140; Nov. 17; Sp. p. 3260; Gaz. vol. 137; p. 591.
- Meat, &c., Machine for grinding. S. Olop. No. 894,224; July 28; Sp. p. 3863; Dr. p. 799; Gaz. vol. 135; p. 685.
- Meat-press. J. P. Brown. No. 890,329; June 9; Sp. p. 2307; Dr. p. 510; Gaz. vol. 134; p. 1454.
- Meat-rack. H. J. Boeckman. No. 880,857; Mar. 3; Sp. p. 758; Dr. p. 161; Gaz. vol. 133; p. 128.
- Meat-saw, Hand-controlled power-operative. W. A. Russell. No. 898,067; Sept. 8; Sp. p. 1713; Dr. p. 363; Gaz. vol. 136; p. 300.
- Meat-tenderer. J. E. Snelling. No. 880,589; Mar. 3; Sp. p. 202; Dr. p. 44; Gaz. vol. 133; p. 36.
- Meat-tenderer. G. E. Smith. No. 881,204; Mar. 10; Sp. p. 1407; Dr. p. 304; Gaz. vol. 133; p. 270.
- Meat-tenderer. S. Armstrong. No. 894,872; Aug. 4; Sp. p. 135; Dr. p. 30; Gaz. vol. 135; p. 923.
- Meat-tree. G. E. Richmond. No. 897,015; Aug. 25; Sp. p. 4528; Dr. p. 968; Gaz. vol. 135; p. 1695.
- Meats, Device for inserting fats, &c., into. A. O. Rasmussen. No. 889,965; June 9; Sp. p. 1534; Dr. p. 346; Gaz. vol. 134; p. 1332.
- Mechanical chair. S. G. Wilson. No. 881,521; Mar. 10; Sp. p. 2046; Dr. pp. 447-8; Gaz. vol. 133; p. 372.
- Mechanical chair. S. G. Wilson. No. 900,813; Oct. 13; Sp. p. 1592; Dr. pp. 321-2; Gaz. vol. 136; p. 1344.
- Mechanical drier. W. M. Cummer. No. 888,474; May 26; Sp. p. 4296; Dr. p. 910; Gaz. vol. 134; p. 790.
- Mechanical drier. W. M. Cummer. No. 888,475; May 26; Sp. p. 4299; Dr. p. 910; Gaz. vol. 134; p. 790.
- Mechanical fountain. N. P. Metrofanoff. No. 883,038; Mar. 24; Sp. p. 5063; Dr. p. 1078; Gaz. vol. 133; p. 928.
- Mechanical lubricator. J. Sues. No. 894,472; July 28; Sp. p. 4332; Dr. p. 905; Gaz. vol. 135; p. 768.
- Mechanical manipulator. W. A. Thoms. No. 896,484; Aug. 18; Sp. p. 3399; Dr. p. 732; Gaz. vol. 135; p. 1499.
- Mechanical motor. R. H. Bowman. No. 880,501; Mar. 3; Sp. p. 19; Dr. p. 5; Gaz. vol. 133; p. 6.
- Mechanical motor. A. Larson. No. 885,494; Apr. 21; Sp. p. 3736; Dr. p. 786; Gaz. vol. 133; p. 1846.
- Mechanical movement. L. D. Green. No. 875,807; Jan. 7; Sp. p. 248; Dr. pp. 53-4; Gaz. vol. 132; p. 46.
- Mechanical movement. T. V. Buckwater. No. 875,892; Jan. 7; Sp. p. 400; Dr. p. 88; Gaz. vol. 132; p. 74.
- Mechanical movement. E. G. Eberhardt. No. 878,051; Feb. 4; Sp. p. 328; Dr. p. 68; Gaz. vol. 132; p. 901.
- Mechanical movement. R. T. Johnston. No. 878,532; Feb. 11; Sp. p. 1360; Dr. pp. 277-9; Gaz. vol. 132; p. 1093.
- Mechanical movement. E. Thomson. No. 881,502; Mar. 10; Sp. p. 2011; Dr. pp. 438-9; Gaz. vol. 133; p. 366.
- Mechanical movement. G. A. Humpert. No. 883,024; Mar. 24; Sp. p. 5032; Dr. p. 1071-2; Gaz. vol. 133; p. 924.
- Mechanical movement. C. F. Jones. No. 884,590; Apr. 14; Sp. p. 1861; Dr. p. 400; Gaz. vol. 133; p. 1520.
- Mechanical movement. W. Sweet. No. 885,203; Apr. 21; Sp. p. 3176; Dr. p. 664; Gaz. vol. 133; p. 1752.
- Mechanical movement. H. Branner. No. 886,758; May 5; Sp. p. 870; Dr. p. 180; Gaz. vol. 134; p. 144.
- Mechanical movement. A. H. Neureuther. No. 887,835; May 19; Sp. p. 3056; Dr. pp. 642-3; Gaz. vol. 134; p. 552.
- Mechanical movement. G. N. Meves. No. 890,156; June 9; Sp. p. 1925; Dr. p. 425; Gaz. vol. 134; p. 1397.
- Mechanical movement. F. Crater. No. 891,597; June 23; Sp. p. 4890; Dr. p. 1054; Gaz. vol. 134; p. 1931.
- Mechanical movement. A. Wahle. No. 892,338; June 30; Sp. p. 6374; Dr. pp. 1374-5; Gaz. vol. 134; p. 2209.
- Mechanical movement. B. Huber. No. 892,376; June 30; Sp. p. 6444; Dr. pp. 1390-1; Gaz. vol. 134; p. 2220.
- Mechanical movement. G. E. Gay. No. 893,068; July 14; Sp. p. 1383; Dr. p. 292; Gaz. vol. 135; p. 256.
- Mechanical movement. R. T. Johnston. No. 893,245; July 14; Sp. p. 1732; Dr. pp. 366-7; Gaz. vol. 135; p. 313.
- Mechanical movement. R. T. Johnston. No. 893,246; July 14; Sp. p. 1736; Dr. p. 367; Gaz. vol. 135; p. 313.
- Mechanical movement. F. H. Mills. No. 893,258; July 14; Sp. p. 1759; Dr. p. 371; Gaz. vol. 135; p. 317.
- Mechanical movement. J. Stuart. No. 894,078; July 21; Sp. p. 3547; Dr. p. 727; Gaz. vol. 135; p. 618.
- Mechanical movement. W. Sullivan. No. 894,861; Aug. 4; Sp. p. 116; Dr. p. 25; Gaz. vol. 135; p. 920.
- Mechanical movement. H. M. Russell, Jr. No. 895,305; Aug. 4; Sp. p. 1081; Dr. p. 226; Gaz. vol. 135; p. 1072.
- Mechanical movement. U. S. James. No. 896,547; Aug. 18; Sp. p. 3530; Dr. p. 758; Gaz. vol. 135; p. 1519.
- Mechanical movement. J. T. H. Paul. No. 897,651; Sept. 1; Sp. p. 827; Dr. pp. 173-5; Gaz. vol. 136; p. 132.
- Mechanical movement. C. J. Coulter. No. 898,328; Sept. 8; Sp. p. 2198; Dr. p. 466; Gaz. vol. 136; p. 380.
- Mechanical movement. A. R. Patten. No. 901,032; Oct. 13; Sp. p. 2036; Dr. p. 413; Gaz. vol. 136; p. 1415.
- Mechanical movement. S. Jones. No. 901,912; Oct. 20; Sp. p. 3845; Dr. p. 784; Gaz. vol. 136; p. 1738.
- Mechanical movement. F. H. Richards. No. 902,329; Oct. 27; Sp. p. 4741; Dr. pp. 957-8; Gaz. vol. 136; p. 1903.
- Mechanical movement. R. T. Johnston. No. 905,436; Dec. 1; Sp. p. 655; Gaz. vol. 137; p. 1089.
- Mechanical movement. J. H. Flowers. No. 905,683; Dec. 1; Sp. p. 1130; Gaz. vol. 137; p. 1166.
- Mechanical movement. C. S. Shugart. No. 906,947; Dec. 15; Sp. p. 3538; Gaz. vol. 137; p. 1630.
- Mechanical movements, Casing for. J. Edens. No. 884,647; Apr. 14; Sp. p. 2020; Dr. p. 431; Gaz. vol. 133; p. 1539.
- Mechanical movements, Gear-case for. W. H. Voss. No. 880,113; Feb. 25; Sp. p. 4582; Dr. p. 965; Gaz. vol. 132; p. 1680.
- Mechanical operator, Selective. E. R. Gill. No. 906,523; Dec. 15; Sp. p. 2732; Gaz. vol. 137; p. 1496.
- Mechanical playing apparatus. W. F. Cooper. No. 897,820; Sept. 1; Sp. p. 1176; Dr. p. 250; Gaz. vol. 136; p. 187.
- Mechanism from a distance, Apparatus for operating. G. Gabet. No. 907,488; Dec. 22; Sp. p. 4628; Gaz. vol. 137; p. 1845.
- Medical appliance. S. Rolifson-Schmidt. No. 889,154; May 26; Sp. p. 5718; Dr. p. 1210; Gaz. vol. 134; p. 1014.
- Medicament, Manufacturing a. H. W. Davis. No. 906,694; Dec. 15; Sp. p. 3048; Gaz. vol. 137; p. 1549.
- Medicated-silk protector. S. Rolifson-Schmidt. No. 880,469; Feb. 25; Sp. p. 5325; Dr. p. 1120; Gaz. vol. 132; p. 1801.
- Medicated stock-salt and making the same. M. von Duyke. No. 879,070; Feb. 11; Sp. p. 2408; Gaz. vol. 132; p. 1265.
- Medicating and massaging appliance. H. Robinson. No. 889,810; June 2; Sp. p. 1204; Dr. p. 278; Gaz. vol. 134; p. 1255.
- Medicinal composition, Making a. J. C. Slack. No. 888,758; May 26; Sp. p. 4877; Gaz. vol. 134; p. 884.
- Medicinal washes to the nasal cavity, Apparatus for applying. E. S. Antisdale. No. 895,141; Aug. 4; Sp. p. 724; Dr. p. 151; Gaz. vol. 135; p. 1015.
- Medicine-case, Physician's. J. O. and W. L. Hunter and W. A. Wykel. No. 900,373; Oct. 6; Sp. p. 637; Dr. pp. 131-2; Gaz. vol. 136; p. 1172.
- Medicine-dropper. J. A. Clifton. No. 889,203; June 2; Sp. p. 28; Dr. p. 7; Gaz. vol. 134; p. 1062.

Alphabetical list of inventions—Continued.

- Medicine-dropper. H. I. Owen. No. 897,131; Aug. 25; Sp. p. 4755; Dr. p. 1013; Gaz. vol. 135; p. 1735.
 Medicine-measure. A. R. Weber. No. 889,738; June 2; Sp. p. 1074; Dr. p. 248; Gaz. vol. 134; p. 1232.
 Medicine-measure and corkscrew, Combined. J. Bryers. No. 880,505; Mar. 3; Sp. p. 29; Dr. p. 7; Gaz. vol. 133; p. 8.
 Melon-carrier. W. A. Stark. No. 882,722; Mar. 24; Sp. p. 4437; Dr. p. 943; Gaz. vol. 133; p. 825.
 Melting-furnace. G. A. Menendez. No. 907,840; Dec. 29; Sp. p. 5373; Gaz. vol. 137; p. 1990.
 Melting furnace, Brass-. A. C. Jackson. No. 907,603; Dec. 22; Sp. p. 4865; Gaz. vol. 137; p. 1882.
 Memoranda-exhibiting device. S. Maxfield. No. 877,443; Jan. 21; Sp. p. 3601; Dr. p. 780; Gaz. vol. 132; p. 655.
 Mercerizing. A. E. Smith and J. K. Milliken. No. 889,861; June 2; Sp. p. 1304; Gaz. vol. 134; p. 1272.
 Merchandise-bin. J. D. Warren. No. 883,990; Apr. 7; Sp. p. 655; Dr. p. 132; Gaz. vol. 133; p. 1296.
 Merchandise, Protecting means for the ends of rolls of. W. E. Rothermel. No. 881,490; Mar. 10; Sp. p. 1995; Dr. p. 435; Gaz. vol. 133; p. 362.
 Mercury meter. F. Holden. No. 897,536; Sept. 1; Sp. p. 608; Dr. p. 127; Gaz. vol. 136; p. 96.
 Mercury-vapor apparatus. P. H. Thomas. No. 889,067; May 26; Sp. p. 5512; Dr. p. 1172; Gaz. vol. 134; p. 985.
 Mercury-vapor apparatus, Starting. M. O. Troy. No. 890,731; June 16; Sp. p. 3131; Dr. p. 686; Gaz. vol. 134; p. 1617.
 Mercury-vapor apparatus, Starting device for. G. Schwarz and J. Amon. No. 893,816; July 21; Sp. p. 3004; Dr. p. 615; Gaz. vol. 135; p. 532.
 Merry-go-round. A. M. Sweetwood. No. 883,585; Mar. 31; Sp. p. 6197; Dr. pp. 1320-1; Gaz. vol. 133; p. 1135.
 Merry-go-round, Aquatic. H. E. Riehl. No. 903,004; Nov. 3; Sp. p. 954; Gaz. vol. 137; p. 158.
 Merry-go-round, Free-carriage. J. De la Mar. No. 888,247; May 19; Sp. p. 3832; Dr. pp. 804-5; Gaz. vol. 134; p. 686.
 Metabolizer. J. von der Kammer. No. 891,176; June 16; Sp. p. 4002; Dr. pp. 878-9; Gaz. vol. 134; p. 1760.
 Metal and producing the same, Expanded. N. E. Clark. No. 882,491; Mar. 17; Sp. p. 3954; Dr. p. 645; Gaz. vol. 133; p. 715.
 Metal bars, Machine for splitting and splaying the ends of. E. Wrigley. No. 901,667; Oct. 20; Sp. p. 3337; Dr. p. 685; Gaz. vol. 136; p. 1656.
 Metal belts and for connecting the ends thereof, Means for strengthening. C. Eloesser. No. 894,126; July 21; Sp. p. 3639; Dr. pp. 750-1; Gaz. vol. 135; p. 633.
 Metal-bending tool. L. P. Hazen. No. 896,207; Aug. 18; Sp. p. 2827; Dr. p. 609; Gaz. vol. 135; p. 1408.
 Metal blanks, Making circular wrought-. J. M. Hansen. No. 881,398; Mar. 10; Sp. p. 1812; Dr. p. 392; Gaz. vol. 133; p. 332.
 Metal blanks, Making circular wrought-. J. M. Hansen. No. 881,399; Mar. 10; Sp. p. 1814; Dr. p. 392; Gaz. vol. 133; p. 333.
 Metal bodies, Apparatus for producing compound. J. F. Monnot. No. 878,984; Feb. 11; Sp. p. 2254; Dr. p. 471; Gaz. vol. 132; p. 1239.
 Metal bodies, Shaping. R. W. Hardie. No. 877,077; Jan. 21; Sp. p. 2862; Dr. p. 618; Gaz. vol. 132; p. 533.
 Metal body and producing same, Compound. J. F. Monnot. No. 893,933; July 21; Sp. p. 3234; Dr. p. 666; Gaz. vol. 135; p. 569.
 Metal body and producing same, Compound. J. F. Monnot. No. 894,162; July 21; Sp. p. 3706; Dr. p. 769; Gaz. vol. 135; p. 644.
 Metal body and producing same, Compound. J. F. Monnot. No. 894,163; July 21; Sp. p. 3711; Dr. p. 769; Gaz. vol. 135; p. 645.
 Metal body and producing same, Compound. J. F. Monnot. No. 894,164; July 21; Sp. p. 3715; Dr. p. 769; Gaz. vol. 135; p. 645.
 Metal-bordered panel for desk furniture. R. F. Crooke. No. 906,777; Dec. 15; Sp. p. 3214; Gaz. vol. 137; p. 1576.
 Metal-bound box. E. E. Flora. No. 881,785; Mar. 10; Sp. p. 2560; Dr. p. 550; Gaz. vol. 133; p. 457.
 Metal-bound box. E. E. Flora. (Reissue). No. 12,800; May 26; Sp. p. 5804; Dr. p. 1232; Gaz. vol. 134; p. 1027.
 Metal box. G. Klenk. (Reissue). No. 12,775; Apr. 7; Sp. p. 1379; Dr. pp. 234-5; Gaz. vol. 133; p. 1413.
 Metal brake. W. A. and T. H. Tarrant. No. 890,816; June 16; Sp. p. 3310; Dr. p. 725; Gaz. vol. 134; p. 1646.
 Metal buckle, Sheet-. F. A. and J. B. Russ. No. 905,931; Dec. 8; Sp. p. 1616; Gaz. vol. 137; p. 1279.
 Metal, Cast. R. C. Totten. No. 878,691; Feb. 11; Sp. p. 1696; Gaz. vol. 132; p. 1146.
 Metal, Composition of. R. C. Totten. No. 881,036; Mar. 3; Sp. p. 1087; Gaz. vol. 133; p. 186.
 Metal-crimping machine. J. J. Walter. No. 901,131; Oct. 13; Sp. p. 2217; Dr. p. 451; Gaz. vol. 136; p. 1445.
 Metal culvert. B. W. Harris. No. 904,199; Nov. 17; Sp. p. 3402; Gaz. vol. 137; p. 612.
 Metal culvert. B. W. Harris. No. 904,200; Nov. 17; Sp. p. 3403; Gaz. vol. 137; p. 612.
 Metal cutting and forming machine. G. A. Turnbull. No. 885,548; Apr. 21; Sp. p. 3368; Dr. pp. 809-10; Gaz. vol. 133; p. 1862.
 Metal cutting and shaping machine. J. R. Main. No. 886,382; May 5; Sp. p. 81; Dr. p. 17; Gaz. vol. 134; p. 18.
 Metal-cutting instrument. C. Delcampe. No. 894,195; July 28; Sp. p. 3804; Dr. p. 788; Gaz. vol. 135; p. 676.
 Metal-cutting machines, Sliding table or carriage for. A. C. Krebs. No. 892,854; July 7; Sp. p. 923; Dr. p. 196; Gaz. vol. 135; p. 155.
 Metal-cutting saw. W. Lewis. No. 896,401; Aug. 18; Sp. p. 3221; Dr. p. 691; Gaz. vol. 135; p. 1470.
 Metal-cutting shears. C. E. Weeks. No. 897,179; Aug. 25; Sp. p. 4840; Dr. pp. 1029-30; Gaz. vol. 135; p. 1748.
 Metal-cutting tool. S. Newbold. No. 899,608; Sept. 29; Sp. p. 4677; Dr. p. 1003; Gaz. vol. 136; p. 893.
 Metal-dipping machine. C. F. Neureuther. No. 907,274; Dec. 22; Sp. p. 4203; Gaz. vol. 137; p. 1773.
 Metal-drawing apparatus. J. T. S. and W. Moltrup. No. 886,717; May 5; Sp. p. 780; Dr. p. 160; Gaz. vol. 134; p. 130.
 Metal, Expanded. J. Kahn. No. 885,158; Apr. 21; Sp. p. 3067; Dr. p. 645; Gaz. vol. 133; p. 1737.
 Metal, Expanded. J. Kahn. No. 889,312; June 2; Sp. p. 238; Dr. p. 58; Gaz. vol. 134; p. 1096.
 Metal, Expanded. F. H. Crittall. No. 892,938; July 7; Sp. p. 1108; Dr. p. 233; Gaz. vol. 135; p. 184.
 Metal-expanding apparatus, Slitted-. H. E. White. No. 895,923; Aug. 11; Sp. p. 2283; Dr. p. 488; Gaz. vol. 135; p. 1294.
 Metal-extractor. H. C. Hansen. No. 879,870; Feb. 25; Sp. p. 4091; Dr. p. 858; Gaz. vol. 132; p. 1601.
 Metal-extruding machine. G. H. Benjamin. No. 896,684; Aug. 18; Sp. p. 3782; Dr. p. 817; Gaz. vol. 135; p. 1560.
 Metal-finishing machine. D. W. Mullin. No. 891,281; June 23; Sp. p. 4241; Dr. pp. 928-9; Gaz. vol. 134; p. 1828.
 Metal-flanging press. J. W. Nesmith. No. 893,863; July 21; Sp. p. 3105; Dr. pp. 635-6; Gaz. vol. 135; p. 547.
 Metal-fluting machine. G. C. Schoenborn and C. I. Overton. No. 893,018; July 14; Sp. p. 1288; Dr. p. 271; Gaz. vol. 135; p. 240.
 Metal frame. E. J. Hochule and J. A. Bousquet. No. 900,734; Oct. 13; Sp. p. 1420; Dr. p. 288; Gaz. vol. 136; p. 1318.
 Metal-hardening apparatus. L. E. Curtis. No. 878,279; Feb. 4; Sp. p. 790; Dr. p. 158; Gaz. vol. 132; p. 976.
 Metal-heating furnace. J. R. George. No. 886,492; May 5; Sp. p. 297; Dr. p. 62; Gaz. vol. 134; p. 55.
 Metal into flakes, Forming. P. F. Cowing. No. 884,571; Apr. 14; Sp. p. 1829; Dr. p. 392; Gaz. vol. 133; p. 1514.
 Metal, &c., Machine for feeding sheets of. F. McIntyre. No. 875,837; Jan. 7; Sp. p. 300; Dr. pp. 65-6; Gaz. vol. 132; p. 55.
 Metal, Machine for manufacturing expanded. F. H. Crittall. No. 890,127; June 9; Sp. p. 1865; Dr. pp. 412-13; Gaz. vol. 134; p. 1387.
 Metal, Manufacture of expanded. N. E. Clark. No. 884,714; Apr. 14; Sp. p. 2151; Dr. p. 457; Gaz. vol. 133; p. 1562.
 Metal, Manufacturing expanded. F. H. Crittall. No. 890,126; June 9; Sp. p. 1862; Dr. pp. 410-11; Gaz. vol. 134; p. 1387.
 Metal, Manufacturing expanded. L. E. Curtis. No. 897,879; Sept. 8; Sp. p. 1302; Dr. p. 279; Gaz. vol. 136; p. 238.
 Metal matrices, Making. E. Albert. No. 896,881; Aug. 25; Sp. p. 4214; Dr. p. 901; Gaz. vol. 135; p. 1650.
 Metal nut, Wrought-. F. A. Neider. No. 904,555; Nov. 24; Sp. p. 4157; Gaz. vol. 137; p. 758.
 Metal objects, Process of and apparatus for making compound. J. F. Monnot. No. 905,558; Dec. 1; Sp. p. 903; Gaz. vol. 137; p. 1127.
 Metal ornamentation. G. E. Prentice. No. 880,572; Mar. 3; Sp. p. 173; Dr. p. 38; Gaz. vol. 133; p. 31.
 Metal part, Structural. E. I. Dodds. No. 899,033; Sept. 22; Sp. p. 3547; Dr. p. 759; Gaz. vol. 136; p. 670.
 Metal patterns from corrosion, Treating and preserving. C. K. Milne. No. 899,062; Sept. 22; Sp. p. 3589; Gaz. vol. 136; p. 678.
 Metal pieces, Uniting. C. F. Jacobs. (Reissue). No. 12,784; Apr. 21; Sp. p. 4189; Dr. p. 877; Gaz. vol. 133; p. 1914.
 Metal pipe and making, Flanged. L. H. Brinkman. No. 893,434; July 14; Sp. p. 2113; Dr. p. 443; Gaz. vol. 135; p. 375.
 Metal-plate catcher. A. J. Maskrey. No. 889,629; June 2; Sp. p. 860; Dr. pp. 196-7; Gaz. vol. 134; p. 1198.
 Metal-plate-edging machine. J. Fraser and T. Gray. No. 897,256; Aug. 25; Sp. p. 5100; Dr. p. 1064; Gaz. vol. 135; p. 1778.
 Metal plates, Mechanism for doubling or matching. C. W. Bray. No. 907,121; Dec. 22; Sp. p. 3876; Gaz. vol. 137; p. 1720.
 Metal plates, pipes, &c., Blowpipe for cutting. F. Jottrand and P. Lulli. No. 895,026; Aug. 4; Sp. p. 512; Dr. pp. 103-4; Gaz. vol. 135; p. 978.
 Metal plates, Reinforcing means for. H. F. Keil. No. 885,623; Apr. 21; Sp. p. 4008; Dr. p. 837; Gaz. vol. 133; p. 1885.
 Metal-plating, Device for producing electrolytic. A. Schmitz. No. 893,814; July 21; Sp. p. 2999; Dr. p. 614; Gaz. vol. 135; p. 531.
 Metal-polish. G. I. Stevens. No. 885,542; Apr. 21; Sp. p. 3859; Gaz. vol. 133; p. 1861.
 Metal-polish. E. V. Voris and P. H. Carroll. No. 890,946; June 16; Sp. p. 3580; Gaz. vol. 134; p. 1688.
 Metal, Producing road. J. F. Burn. No. 887,188; May 12; Sp. p. 1671; Dr. p. 355; Gaz. vol. 134; p. 306.
 Metal receiver, Molten-. H. H. Campbell. No. 907,680; Dec. 22; Sp. p. 5064; Gaz. vol. 137; p. 1908.
 Metal receptacles, Reinforced breast for sheet-. L. Sturges. No. 905,950; Dec. 8; Sp. p. 1648; Gaz. vol. 137; p. 1284.
 Metal-reducing machine. B. M. W. Hanson. No. 905,523; Dec. 1; Sp. p. 839; Gaz. vol. 137; p. 1117.
 Metal-reducing machines, Back-rest for. B. M. W. Hanson. No. 886,293; Apr. 28; Sp. p. 5370; Dr. p. 1129; Gaz. vol. 133; p. 2137.
 Metal-reducing machines, Steady-rest for. B. M. W. Hanson. No. 905,521; Dec. 1; Sp. p. 835; Gaz. vol. 137; p. 1116.
 Metal-sawing machine. W. Lewis. No. 891,487; June 23; Sp. p. 4667; Dr. p. 1011; Gaz. vol. 134; p. 1896.
 Metal-sawing machine. W. Lewis. No. 896,306; Aug. 18; Sp. p. 3037; Dr. p. 653; Gaz. vol. 135; p. 1440.
 Metal-sawing mechanism. A. Tindel. No. 900,047; Sept. 29; Sp. p. 5622; Dr. pp. 1199-1200; Gaz. vol. 136; p. 1035.
 Metal-shaping apparatus, Heated-. F. J. Loomis. No. 900,401; Oct. 6; Sp. p. 693; Dr. p. 142; Gaz. vol. 136; p. 1181.
 Metal-shaping machine. J. M. Rude. No. 879,415; Feb. 18; Sp. p. 3131; Dr. p. 651; Gaz. vol. 132; p. 1420.
 Metal-shaping tool. S. C. Bond. No. 883,128; Mar. 24; Sp. p. 5241; Dr. p. 1119; Gaz. vol. 133; p. 958.
 Metal-shearing machine. H. V. Loss. No. 891,626; June 23; Sp. p. 4958; Dr. pp. 1067-9; Gaz. vol. 134; p. 1941.
 Metal-shears. G. Potstada. No. 879,900; Feb. 25; Sp. p. 4133; Dr. p. 873; Gaz. vol. 132; p. 1612.

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- Metal-shears. W. H. Clites. No. 900,983; Oct. 13; Sp. p. 1942; Dr. p. 395; Gaz. vol. 136; p. 1399.
- Metal sheets or plates, Doubling apparatus for. C. W. Bray. No. 907,122; Dec. 22; Sp. p. 3878; Gaz. vol. 137; p. 1721.
- Metal-slitting machine. F. J. Wendell. No. 885,815; Apr. 28; Sp. p. 4426; Dr. pp. 928-9; Gaz. vol. 133; p. 1979.
- Metal-solvent. E. C. Broadwell. No. 884,705; Apr. 14; Sp. p. 2131; Gaz. vol. 133; p. 1559.
- Metal strips into washers, Machine for bending flat. A. W. Herbert. No. 903,976; Nov. 17; Sp. p. 2926; Gaz. vol. 137; p. 534.
- Metal structure. E. A. Wilson. No. 876,124; Jan. 7; Sp. p. 854; Dr. p. 183; Gaz. vol. 132; p. 146.
- Metal surfaces, Japanning. P. Oramas. No. 906,916; Dec. 15; Sp. p. 3478; Gaz. vol. 137; p. 1820.
- Metal-wrapping machine. W. Fehr. No. 877,315; Jan. 21; Sp. p. 3366; Dr. p. 729; Gaz. vol. 132; p. 613.
- Metal tank. E. E. Norquist. No. 885,279; Apr. 21; Sp. p. 3320; Dr. p. 693; Gaz. vol. 133; p. 1778.
- Metal tip for guide-cards. D. E. Hunter. No. 905,319; Dec. 1; Sp. p. 365; Gaz. vol. 137; p. 1047.
- Metal tubes, &c., Manufacture of. H. Reinhard. No. 908,329; Dec. 29; Sp. p. 6415; Gaz. vol. 137; p. 2154.
- Metal-turning mechanism. J. Hartness. No. 878,203; Feb. 4; Sp. p. 644; Dr. p. 132; Gaz. vol. 132; p. 950.
- Metal values from solutions, Recovering. W. A. Hendryx. No. 893,581; July 14; Sp. p. 2444; Dr. p. 508; Gaz. vol. 135; p. 422.
- Metal wheel. W. E. Williams and J. Grant. No. 886,565; May 5; Sp. p. 437; Dr. p. 93; Gaz. vol. 134; p. 80.
- Metal wheels, Making. A. G. Anderson. No. 903,532; Nov. 10; Sp. p. 1997; Gaz. vol. 137; p. 358.
- Metal wool. A. Shedlock. No. 888,123; May 19; Sp. p. 3609; Dr. p. 756; Gaz. vol. 134; p. 646.
- Metal wool. A. Shedlock. No. 888,124; May 19; Sp. p. 3610; Dr. p. 756; Gaz. vol. 134; p. 646.
- Metal wool and fiber mixture. A. Shedlock. No. 888,125; May 19; Sp. p. 3611; Dr. p. 756; Gaz. vol. 134; p. 646.
- Metal-working machine. L. H. Blood. No. 876,932; Jan. 21; Sp. p. 2547; Dr. pp. 557-8; Gaz. vol. 132; p. 483.
- Metal-working machine. S. Zietarski. No. 886,572; May 5; Sp. p. 451; Dr. p. 96; Gaz. vol. 134; p. 83.
- Metal-working machine. R. T. Wingo. No. 897,440; Sept. 1; Sp. p. 412; Dr. p. 88; Gaz. vol. 136; p. 64.
- Metal-working machine. F. E. Bocorselski. No. 904,926; Nov. 24; Sp. p. 4939; Gaz. vol. 137; p. 881.
- Metal-working machines, Work-holding mechanism for. E. W. Bemis. No. 892,927; July 7; Sp. p. 1083; Dr. pp. 227-8; Gaz. vol. 135; p. 180.
- Metal-working tool. A. L. Goddard. No. 893,071; July 14; Sp. p. 1388; Dr. p. 294; Gaz. vol. 135; p. 257.
- Metal-working tool. C. L. Moses. No. 897,641; Sept. 1; Sp. p. 810; Dr. p. 170; Gaz. vol. 136; p. 129.
- Metal-working tool. C. McSherry. No. 905,919; Dec. 8; Sp. p. 1579; Gaz. vol. 137; p. 1272.
- Metals and alloys, Apparatus for obtaining. E. Viel. No. 883,595; Mar. 31; Sp. p. 6213; Dr. p. 1324; Gaz. vol. 133; p. 1138.
- Metals and alloys by reduction, Obtaining. E. Viel. No. 883,594; Mar. 31; Sp. p. 6211; Dr. p. 1324; Gaz. vol. 133; p. 1137.
- Metals and alloys, Reduction process for producing. G. O. Seward and F. von Kugelgen. No. 908,154; Dec. 29; Sp. p. 6029; Gaz. vol. 137; p. 2093.
- Metals and relieving them of injurious strains, Raising the elastic limit of. A. H. Emery. No. 894,428; July 28; Sp. p. 4301; Gaz. vol. 135; p. 754.
- Metals and their alloys, Improving the physical properties of. D. Lamont. No. 892,269; June 30; Sp. p. 6250; Gaz. vol. 134; p. 2186.
- Metals, Apparatus for uniting. W. H. Cole. No. 878,869; Feb. 11; Sp. p. 2045; Dr. pp. 422-3; Gaz. vol. 132; p. 1208.
- Metals by electrolysis, Producing. G. O. Seward and F. von Kugelgen. No. 880,760; Mar. 3; Sp. p. 549; Dr. p. 116; Gaz. vol. 133; p. 95.
- Metals, Coating. A. Sang. No. 881,029; Mar. 3; Sp. p. 1078; Dr. p. 234; Gaz. vol. 133; p. 184.
- Metals, Condensing volatile. W. M. Johnson. No. 902,535; Oct. 27; Sp. p. 5199; Dr. p. 1050; Gaz. vol. 136; p. 1973.
- Metals contained in copper-nickel matte, Separating the. J. M. Neil. No. 882,075; Mar. 17; Sp. p. 3200; Gaz. vol. 133; p. 582.
- Metals, Device for the purification of. C. T. Knipp. No. 891,264; June 23; Sp. p. 4206; Dr. p. 920; Gaz. vol. 134; p. 1822.
- Metals, Electrolytic process for the production of metallic dark coatings upon. A. Classen. No. 891,982; June 30; Sp. p. 5710; Gaz. vol. 134; p. 2093.
- Metals, Electrolytic process of producing. E. F. Price and W. S. Horry. No. 886,857; May 5; Sp. p. 1053; Gaz. vol. 134; p. 173.
- Metals, Extracting. D. R. Robertson. No. 886,866; May 5; Sp. p. 1067; Gaz. vol. 134; p. 175.
- Metals, Extruding. G. H. Benjamin. No. 896,683; Aug. 18; Sp. p. 3780; Dr. pp. 816-7; Gaz. vol. 135; p. 1560.
- Metals from lead matrices, Separating electrodeposited. C. Reverdy. No. 903,404; Nov. 10; Sp. p. 1721; Gaz. vol. 137; p. 315.
- Metals from matte, Separating. A. J. Wadhams and R. C. Stanley. No. 900,452; Oct. 6; Sp. p. 818; Gaz. vol. 136; p. 1199.
- Metals from matte, Separating. A. J. Wadhams and R. C. Stanley. No. 900,453; Oct. 6; Sp. p. 820; Gaz. vol. 136; p. 1199.
- Metals from ores, Apparatus for extracting. J. H. Reid. No. 896,413; Aug. 18; Sp. p. 3258; Dr. p. 698; Gaz. vol. 135; p. 1475.
- Metals from ores, Extracting. J. H. Reid. No. 896,245; Aug. 18; Sp. p. 2901; Dr. p. 625; Gaz. vol. 135; p. 1422.
- Metals from speiss, Separating. A. J. Wadhams and R. C. Stanley. No. 900,454; Oct. 6; Sp. p. 821; Gaz. vol. 136; p. 1199.
- Metals from their ores, Apparatus for the extraction of. W. E. Greenawalt. No. 901,611; Oct. 20; Sp. p. 3226; Dr. p. 661; Gaz. vol. 136; p. 1639.
- Metals from their ores, Extraction of. J. Turton. No. 899,146; Sept. 22; Sp. p. 3761; Gaz. vol. 136; p. 707.
- Metals from their ores, Obtaining. K. Kaiser. No. 904,263; Nov. 17; Sp. p. 3539; Gaz. vol. 137; p. 633.
- Metals from their ores, Separating. J. D. Wolf. No. 899,478; Sept. 22; Sp. p. 4387; Dr. pp. 941-2; Gaz. vol. 136; p. 812.
- Metals from their ores, Separation of. J. D. Wolf. No. 899,149; Sept. 22; Sp. p. 3767; Dr. p. 807; Gaz. vol. 136; p. 709.
- Metals from their sulfid ores, Recovering. E. F. Kern. No. 885,761; Apr. 28; Sp. p. 4310; Dr. p. 903; Gaz. vol. 133; p. 1960.
- Metals, Heating and welding. C. Rodrigues-Ely and E. Gauthier. No. 880,099; Feb. 25; Sp. p. 4558; Dr. p. 960; Gaz. vol. 132; p. 1675.
- Metals, Machine for extruding. G. H. Benjamin. No. 893,701; July 21; Sp. p. 2679; Dr. p. 562; Gaz. vol. 135; p. 492.
- Metals, Machine for testing the wear of. M. Derihon. No. 880,483; Feb. 25; Sp. p. 5360; Dr. p. 1130; Gaz. vol. 132; p. 1805.
- Metals, Machine for testing the wear of. M. Derihon. No. 895,980; Aug. 11; Sp. p. 2416; Dr. p. 518; Gaz. vol. 135; p. 1313.
- Metals, Making homogeneous bodies from tantalum metal or other refractory. W. von Bolton. No. 904,831; Nov. 24; Sp. p. 4742; Gaz. vol. 137; p. 851.
- Metals, Manufacture of molten. B. H. Thwaite and W. Defries. No. 895,513; Aug. 11; Sp. p. 1481; Dr. p. 312; Gaz. vol. 135; p. 1163.
- Metals, Manufacturing. H. Goldschmidt and O. Weil. No. 895,628; Aug. 11; Sp. p. 1704; Gaz. vol. 135; p. 1200.
- Metals or alloys, Making low-carbon. F. M. Becket. No. 891,898; June 30; Sp. p. 5526; Gaz. vol. 134; p. 2065.
- Metals, Precipitating. J. E. Greenawalt. No. 876,346; Jan. 14; Sp. p. 1310; Dr. p. 283; Gaz. vol. 132; p. 248.
- Metals, Purification of. C. T. Knipp. No. 891,265; June 23; Sp. p. 4208; Dr. p. 920; Gaz. vol. 134; p. 1823.
- Metals, Refining. K. O. Kretschmer. No. 898,116; Sept. 8; Sp. p. 1809; Gaz. vol. 136; p. 315.
- Metals, Uniting. W. H. Cole. No. 878,868; Feb. 11; Sp. p. 2043; Dr. p. 422; Gaz. vol. 132; p. 1203.
- Metals, Uniting. H. Goldschmidt and F. Lange. No. 900,366; Oct. 6; Sp. p. 811; Dr. p. 127; Gaz. vol. 136; p. 1169.
- Metals, Uniting. E. D. Holley and C. L. Root. No. 906,627; Dec. 15; Sp. p. 2924; Gaz. vol. 137; p. 1528.
- Metals, Working. S. Zietarski. No. 881,170; Mar. 10; Sp. p. 1350; Dr. p. 291; Gaz. vol. 133; p. 259.
- Metallic barrel. A. T. Kruse. No. 905,192; Dec. 1; Sp. p. 141; Gaz. vol. 137; p. 1006.
- Metallic bodies, Plating. G. A. Goodson. No. 900,847; Oct. 13; Sp. p. 1657; Gaz. vol. 136; p. 1355.
- Metallic body, Plated. G. A. Goodson. No. 900,846; Oct. 13; Sp. p. 1656; Dr. p. 136; p. 1355.
- Metallic-bung washer. A. J. Shone. No. 907,534; Dec. 22; Sp. p. 4703; Gaz. vol. 137; p. 1859.
- Metallic ceiling or sheathing. P. Ebner. No. 903,553; Nov. 10; Sp. p. 2046; Gaz. vol. 137; p. 366.
- Metallic compounds and producing carbids, Smelting. E. F. Price. No. 904,991; Nov. 24; Sp. p. 5063; Gaz. vol. 137; p. 903.
- Metallic compounds, Electrolytic reduction of. H. Rodman. No. 884,763; Apr. 14; Sp. p. 2258; Gaz. vol. 133; p. 1579.
- Metallic culvert. J. E. Sperry. No. 906,953; Dec. 15; Sp. p. 3550; Gaz. vol. 137; p. 1632.
- Metallic fabric. C. E. Bedient. No. 900,697; Oct. 13; Sp. p. 1346; Dr. p. 275; Gaz. vol. 136; p. 1307.
- Metallic fastener. G. W. McGill. No. 903,756; Nov. 10; Sp. p. 2438; Gaz. vol. 137; p. 427.
- Metallic fender and mud-guard. W. C. Groehn. No. 886,494; May 5; Sp. p. 300; Dr. p. 63; Gaz. vol. 134; p. 55.
- Metallic filaments, Removing carbon from. W. von Bolton. No. 905,402; Dec. 1; Sp. p. 545; Gaz. vol. 137; p. 1077.
- Metallic filaments to their carrier-arms, Means for attaching. J. Schilling. No. 896,252; Aug. 18; Sp. p. 2917; Dr. p. 628; Gaz. vol. 135; p. 1424.
- Metallic hoop. J. W. Brainard. No. 889,100; May 26; Sp. p. 5596; Dr. p. 1185; Gaz. vol. 134; p. 995.
- Metallic hoop. I. O. Root. No. 905,587; Dec. 1; Sp. p. 956; Gaz. vol. 137; p. 1136.
- Metallic oxids, Obtaining. R. Seiffert. No. 902,260; Oct. 27; Sp. p. 4572; Dr. p. 928; Gaz. vol. 136; p. 1879.
- Metallic oxids, Reducing. E. F. Price and F. M. Becket. No. 891,565; June 23; Sp. p. 4825; Gaz. vol. 134; p. 1921.
- Metallic oxids, Reducing. F. M. Becket. No. 906,854; Dec. 15; Sp. p. 3359; Gaz. vol. 137; p. 1600.
- Metallic pipe. G. H. Charls. No. 902,556; Nov. 3; Sp. p. 44; Gaz. vol. 137; p. 8.
- Metallic product. G. F. Allen. No. 897,953; Sept. 8; Sp. p. 1483; Gaz. vol. 136; p. 264.
- Metallic substances by volatilization and precipitation, Reducing. G. F. Rendall. No. 903,317; Nov. 10; Sp. p. 1554; Gaz. vol. 137; p. 728.
- Metallic tie. H. B. Burke. No. 885,581; Apr. 21; Sp. p. 3932; Dr. p. 820; Gaz. vol. 133; p. 1872.
- Metallic tie. W. Goldie. No. 889,456; June 2; Sp. p. 531; Dr. p. 124; Gaz. vol. 134; p. 1143.
- Metallic tie. W. Goldie. No. 889,457; June 2; Sp. p. 533; Dr. pp. 124-5; Gaz. vol. 134; p. 1144.
- Metallic tie. E. Hudson. No. 898,652; Sept. 15; Sp. p. 2849; Dr. p. 609; Gaz. vol. 136; p. 519.
- Metallic tie. R. M. Skiles and J. F. Lawler. No. 908,345; Dec. 29; Sp. p. 6450; Gaz. vol. 137; p. 2160.
- Metallic tie and rail-fastener. L. McFarland. No. 886,841; May 5; Sp. p. 1022; Dr. p. 215; Gaz. vol. 134; p. 168.
- Metallic tie and rail-fastener. F. Klousnitzer. No. 889,621; June 2; Sp. p. 845; Dr. p. 192; Gaz. vol. 134; p. 1195.
- Metallic tie and rail-fastener. M. L. Sager. No. 891,010; June 16; Sp. p. 3714; Dr. p. 811; Gaz. vol. 134; p. 1709.

Alphabetical list of inventions—Continued.

- Metallic tie and rail-fastener. O. M. Boylan. No. 891,664; June 23; Sp. p. 5054; Dr. p. 1090; Gaz. vol. 134; p. 1955.
 Metallic tie and rail-fastener. J. H. Shaw and E. B. Boyer. No. 893,388; July 14; Sp. p. 1997; Dr. p. 419; Gaz. vol. 135; p. 360.
 Metallic tie and rail-fastener. W. O. Kyle. No. 906,900; Dec. 15; Sp. p. 3450; Gaz. vol. 137; p. 1615.
 Metallic tie and rail-joint. W. F. Wilson and C. K. Barnhart. No. 898,810; Sept. 15; Sp. p. 3134; Dr. p. 671; Gaz. vol. 136; p. 569.
 Metallic web or fabric. G. Aucoo. No. 898,166; Sept. 8; Sp. p. 1902; Dr. p. 406; Gaz. vol. 136; p. 331.
 Metallic wheel. J. R. Fouch. No. 907,587; Dec. 22; Sp. p. 4832; Gaz. vol. 137; p. 1877.
 Metallurgical apparatus. W. A. Merralls. No. 898,415; Sept. 8; Sp. p. 2365; Dr. p. 505; Gaz. vol. 136; p. 410.
 Metallurgical condenser. W. M. Johnson. No. 902,534; Oct. 27; Sp. p. 5196; Dr. p. 1050; Gaz. vol. 136; p. 1973.
 Metallurgical furnace. F. Meyer. No. 879,483; Feb. 18; Sp. p. 3269; Dr. pp. 681-2; Gaz. vol. 132; p. 1441.
 Metallurgical furnace. W. S. Dempsey. No. 887,777; May 19; Sp. p. 2938; Dr. p. 618; Gaz. vol. 134; p. 533.
 Metallurgical furnace. W. N. Best. No. 894,107; July 21; Sp. p. 3597; Dr. pp. 741-2; Gaz. vol. 135; p. 627.
 Metallurgical furnace. W. S. Dempsey. No. 900,916; Oct. 13; Sp. p. 1803; Dr. pp. 364-5; Gaz. vol. 136; p. 1377.
 Metallurgical furnace. W. F. M. McCarty. No. 901,363; Oct. 20; Sp. p. 2685; Dr. pp. 550-1; Gaz. vol. 136; p. 1557.
 Metallurgical process. F. von Kugelgen and G. O. Seward. No. 878,966; Feb. 11; Sp. p. 2221; Gaz. vol. 132; p. 1233.
 Metallurgical process. A. G. Betts. No. 905,280; Dec. 1; Sp. p. 307; Gaz. vol. 137; p. 1036.
 Meter: See Color-meter; Current-meter; Electric meter; Electricity-meter; Electrolytic meter; Fluid-meter; Gas-meter; Grain-meter; Horse-power-hour meter; Ignition-meter; Liquid-meter; Measuring-meter; Mercury meter; Motor-meter; Power-meter; Proportional meter; Speed-meter; Steam-meter; Telephone-meter; Water-meter; X-ray meter.
 Meter. E. Ek. No. 888,599; May 26; Sp. p. 4564; Dr. pp. 968-9; Gaz. vol. 134; p. 834.
 Meter. C. E. Holmes. No. 894,651; July 28; Sp. p. 4731; Dr. p. 982; Gaz. vol. 135; p. 825.
 Meter. W. J. Lloyd. No. 896,999; Aug. 25; Sp. p. 4492; Dr. p. 959; Gaz. vol. 135; p. 1690.
 Meter. J. D. Walsh. No. 905,254; Dec. 1; Sp. p. 256; Gaz. vol. 137; p. 1027.
 Meter-readings, Means for recording. S. C. Shaffner. No. 906,071; Dec. 8; Sp. p. 1878; Gaz. vol. 137; p. 1322.
 Meter-regulator. T. B. Wylie. No. 888,952; May 26; Sp. p. 5318; Dr. pp. 1128-9; Gaz. vol. 134; p. 949.
 Meter statement-delivery mechanism. R. W. Gallagher. (Reissue.) No. 12,892; Dec. 8; Sp. p. 2684; Gaz. vol. 137; p. 1463.
 Meters, Device for the protection of. T. Muller. No. 898,384; Sept. 8; Sp. p. 2299; Dr. p. 489; Gaz. vol. 136; p. 400.
 Meters, Prepayment arrangement for. H. W. Sayles. No. 879,913; Feb. 25; Sp. p. 4202; Dr. p. 877; Gaz. vol. 132; p. 1616.
 Methane, Oxidation of. M. C. von Unruh. No. 891,753; June 23; Sp. p. 5216; Gaz. vol. 134; p. 1984.
 Mica between segments in commutators, Machine for cutting out. O. F. Reinen. No. 906,160; Dec. 8; Sp. p. 2056; Gaz. vol. 137; p. 1352.
 Mica sheets, Machine for folding. E. Cooper. No. 890,500; June 9; Sp. p. 2615; Dr. p. 580; Gaz. vol. 134; p. 1507.
 Mica-splitting machine. B. Walchner. No. 901,130; Oct. 13; Sp. p. 2215; Dr. pp. 450-1; Gaz. vol. 136; p. 1445.
 Mica, Treating. J. P. W. Beckman. No. 908,949; Nov. 17; Sp. p. 2881; Gaz. vol. 137; p. 526.
 Mica-trimmer. E. G. Shepherd. No. 888,197; May 19; Sp. p. 3737; Dr. p. 784; Gaz. vol. 134; p. 668.
 Micras, Making artificial. F. J. Machalske. No. 885,934; Apr. 28; Sp. p. 4670; Gaz. vol. 133; p. 2018.
 Micrometer-gage. C. A. Kelley. No. 886,817; May 5; Sp. p. 986; Dr. p. 207; Gaz. vol. 134; p. 161.
 Micrometer-gage. P. J. Seidelman. No. 896,590; Aug. 18; Sp. p. 3603; Dr. p. 774; Gaz. vol. 135; p. 1533.
 Micrometer-indicator, Liquid. F. G. Purinton. No. 904,277; Nov. 17; Sp. p. 3567; Gaz. vol. 137; p. 638.
 Micrometer, Interior. A. L. Anderson. No. 890,590; June 16; Sp. p. 2817; Dr. p. 621; Gaz. vol. 134; p. 1569.
 Micrometer, Quick-adjusting. H. O. Costello. No. 898,972; Sept. 15; Sp. p. 3421; Dr. p. 735; Gaz. vol. 136; p. 623.
 Microscope. J. H. Ford. No. 883,868; Apr. 7; Sp. p. 401; Dr. p. 78; Gaz. vol. 133; p. 1255.
 Microscope and camera, Combined. R. L. Watkins. No. 893,823; July 21; Sp. p. 3023; Dr. p. 618; Gaz. vol. 135; p. 534.
 Microscope nose-piece. E. Bausch. No. 905,633; Dec. 1; Sp. p. 1044; Gaz. vol. 137; p. 1151.
 Microscopes and the like, Mechanical stage for. R. L. Watkins. No. 893,957; July 21; Sp. p. 3284; Dr. pp. 675-6; Gaz. vol. 135; p. 577.
 Middlings and other materials, Method of and apparatus for purifying. H. S. Jewell. No. 894,009; July 21; Sp. p. 3399; Dr. p. 695; Gaz. vol. 135; p. 594.
 Military defense, Portable barbed machine for. K. Shiramine. No. 883,494; Mar. 31; Sp. p. 6023; Dr. p. 1286; Gaz. vol. 133; p. 1110.
 Milk and other liquids, Vessel for storing and transporting. N. C. Nielsen. No. 902,758; Nov. 3; Sp. p. 443; Gaz. vol. 137; p. 6.
 Milk-can. A. J. Eden. No. 897,073; Aug. 25; Sp. p. 4644; Dr. p. 989; Gaz. vol. 135; p. 1715.
 Milk-can. F. H. Richards. No. 899,762; Sept. 29; Sp. p. 4996; Dr. pp. 1070-1; Gaz. vol. 136; p. 943.
 Milk, Concentrated whole. C. H. Campbell. No. 879,514; Feb. 18; Sp. p. 3332; Dr. p. 696; Gaz. vol. 132; p. 1452.
 Milk, Condensing. J. A. Just. No. 888,017; May 19; Sp. p. 3411; Dr. p. 717; Gaz. vol. 134; p. 612.
 Milk-cooler. J. W. Jones. No. 879,105; Feb. 11; Sp. p. 2492; Dr. p. 519; Gaz. vol. 132; p. 1276.
 Milk-cooler. H. C. Root. No. 883,147; Mar. 24; Sp. p. 5280; Dr. p. 1126; Gaz. vol. 133; p. 964.
 Milk-cooler. H. C. Root. No. 884,860; Apr. 14; Sp. p. 2453; Dr. p. 516; Gaz. vol. 133; p. 1611.
 Milk-cooler. P. Hay. No. 889,681; June 2; Sp. p. 970; Dr. p. 224; Gaz. vol. 134; p. 1214.
 Milk cooler and aerator. C. Skidd. No. 888,048; May 19; Sp. p. 3468; Dr. p. 726; Gaz. vol. 134; p. 622.
 Milk-cooling apparatus. J. Tillotson. No. 884,689; Apr. 14; Sp. p. 2098; Dr. p. 448; Gaz. vol. 133; p. 1553.
 Milk, cream, and other liquids, Purifying. W. F. Jensen. No. 906,532; Dec. 15; Sp. p. 2752; Gaz. vol. 137; p. 1499.
 Milk, cream, &c., Apparatus for cooling and ventilating. A. T. Pfeiff. No. 883,338; Mar. 31; Sp. p. 5670; Dr. p. 1210; Gaz. vol. 133; p. 1056.
 Milk, Modified dry. J. R. Hatmaker. No. 891,336; June 23; Sp. p. 4367; Gaz. vol. 134; p. 1847.
 Milk or cream and butter, Treating. A. Fay. No. 897,277; Sept. 1; Sp. p. 26; Gaz. vol. 136; p. 7.
 Milk pasteurizer and cooler. W. Wilson. No. 879,346; Feb. 18; Sp. p. 2962; Dr. p. 618; Gaz. vol. 132; p. 1397.
 Milk pasteurizer and regenerator. H. E. Jones. No. 894,323; July 25; Sp. p. 4089; Dr. p. 845; Gaz. vol. 135; p. 720.
 Milk. Producing dried. J. A. Just. No. 888,016; May 19; Sp. p. 3407; Dr. p. 716; Gaz. vol. 134; p. 612.
 Milk purifying and homogenizing machine. H. H. Stüssy. No. 900,446; Oct. 6; Sp. p. 795; Dr. pp. 163-4; Gaz. vol. 136; p. 1197.
 Milk-receptacle. E. Z. Taylor. No. 885,887; Apr. 28; Sp. p. 4558; Dr. p. 956; Gaz. vol. 133; p. 2002.
 Milk-receptacle. E. Z. Taylor. No. 889,986; June 9; Sp. p. 1580; Dr. p. 354; Gaz. vol. 134; p. 1339.
 Milk-top extractor. H. Barry. No. 893,697; July 21; Sp. p. 2671; Dr. p. 560; Gaz. vol. 135; p. 491.
 Milk-treating apparatus. H. D. Cooke and A. Formander. No. 902,858; Nov. 3; Sp. p. 661; Gaz. vol. 137; p. 111.
 Milk-vat. A. F. Stoelting. No. 893,883; July 21; Sp. p. 3139; Dr. pp. 644-5; Gaz. vol. 135; p. 552.
 Milk-weighing machine. O. Gunderson. No. 880,073; Feb. 25; Sp. p. 4517; Dr. pp. 950-1; Gaz. vol. 132; p. 1667.
 Milker, Cow-. J. M. Mattis. No. 878,222; Feb. 4; Sp. p. 676; Dr. p. 138; Gaz. vol. 132; p. 956.
 Milker, Cow-. W. A. Mehring. No. 885,355; Apr. 21; Sp. p. 3488; Dr. p. 727; Gaz. vol. 133; p. 1803.
 Milker, Cow-. O. A. Moldenhauer. No. 887,212; May 12; Sp. p. 1713; Dr. p. 364; Gaz. vol. 134; p. 314.
 Milkers, Self-adjusting belt for cow-. F. B. Groff. No. 878,058; Feb. 4; Sp. p. 337; Dr. p. 70; Gaz. vol. 132; p. 903.
 Milking apparatus. W. Hardy. No. 881,922; Mar. 17; Sp. p. 2879; Dr. p. 614; Gaz. vol. 133; p. 532.
 Milking apparatus. W. Sinclair. No. 895,208; Aug. 4; Sp. p. 873; Dr. p. 183; Gaz. vol. 135; p. 1039.
 Milking apparatus, Pulsating device for. E. E. Good. No. 875,706; Jan. 7; Sp. p. 55; Dr. p. 11; Gaz. vol. 132; p. 12.
 Milking apparatus, Teat-cup for. E. E. Good. No. 875,802; Jan. 7; Sp. p. 240; Dr. p. 51; Gaz. vol. 132; p. 44.
 Milking device. J. A. Gallup. No. 901,335; Oct. 20; Sp. p. 2618; Dr. p. 538; Gaz. vol. 136; p. 1546.
 Milking-machine. D. T. Sharples. No. 876,598; Jan. 14; Sp. p. 1874; Dr. p. 410; Gaz. vol. 132; p. 336.
 Milking-machine. W. J. Uebler. No. 884,781; Apr. 14; Sp. p. 2296; Dr. pp. 482-3; Gaz. vol. 135; p. 1585.
 Milking-machine. A. Ridd. No. 890,376; June 9; Sp. p. 2391; Dr. p. 527; Gaz. vol. 134; p. 1468.
 Milking-machine. E. Hanson. No. 892,254; June 30; Sp. p. 6216; Dr. p. 1339; Gaz. vol. 134; p. 2181.
 Milking-machine. E. V. Gandil. No. 896,818; Aug. 25; Sp. p. 4077; Dr. p. 877; Gaz. vol. 135; p. 1629.
 Milking-machine, Cow-. W. W. Sprague. No. 891,506; June 23; Sp. p. 4703; Dr. p. 1018; Gaz. vol. 134; p. 1903.
 Milking-machine, Cow-. A. V. and R. L. Himman. No. 907,236; Dec. 22; Sp. p. 4124; Gaz. vol. 137; p. 1759.
 Milking organs, Covering for. H. von Celsing. No. 892,401; July 7; Sp. p. 23; Dr. p. 7; Gaz. vol. 135; p. 7.
 Milking vessel. S. W. Gerster. No. 900,161; Oct. 6; Sp. p. 192; Dr. p. 39; Gaz. vol. 136; p. 1103.
 Mill: See Boring-mill; Boring and turning mill; Cane-mill; Centrifugal mill; Coffee-mill; Corn-mill; Crushing-mill; Curd-mill; Engraving-mill; Fanning-mill; Grain-mill; Grinding-mill; Grinding or crushing mill; Grinding or mixing mill; Ore-grinding mill; Pulverizing-mill; Pulverizing or grinding mill; Reduction-mill; Roller-mill; Rolling-mill; Sawmill; Slurry and like mill; Stamp-mill; Stamping and grinding mill; Tan-mill; Tube-sizing mill; Windmill.
 Mill. G. A. Browne. No. 888,463; May 26; Sp. p. 4284; Dr. p. 907; Gaz. vol. 134; p. 786.
 Mill feed apparatus. S. Snyder. No. 894,756; July 28; Sp. p. 4923; Dr. p. 1025; Gaz. vol. 135; p. 859.
 Mill housing, Rolling-. S. E. Diescher. No. 907,135; Dec. 22; Sp. p. 3905; Gaz. vol. 137; p. 1725.
 Mill roll, Rolling-. E. Williams. No. 907,930; Dec. 29; Sp. p. 5568; Gaz. vol. 137; p. 2019.
 Mill-stock mixer and distributor. F. C. Boynton. No. 882,924; Mar. 24; Sp. p. 4845; Dr. p. 1028; Gaz. vol. 133; p. 891.
 Mill-stock mixer and distributor. F. C. Boynton. No. 882,925; Mar. 24; Sp. p. 4846; Dr. p. 1029; Gaz. vol. 133; p. 892.
 Mill-stock mixer and distributor. F. C. Boynton. No. 882,926; Mar. 24; Sp. p. 4848; Dr. p. 1029; Gaz. vol. 133; p. 892.
 Milling and drilling machine work-support. W. B. Knight. No. 895,093; Aug. 4; Sp. p. 633; Dr. pp. 131-2; Gaz. vol. 135; p. 1000.
 Milling-cutter. R. Bannister. No. 880,773; Mar. 3; Sp. p. 577; Dr. p. 122; Gaz. vol. 133; p. 99.

Alphabetical list of inventions—Continued.

- Milling-cutter. T. Eynon. No. 887,079; May 12; Sp. p. 1481; Dr. p. 314; Gaz. vol. 134; p. 272.
Milling-cutter. A. L. Valentine and C. G. Dahl. No. 889,829; June 2; Sp. p. 1241; Dr. p. 287; Gaz. vol. 134; p. 1261.
Milling-cutter. C. D. Peck. No. 903,496; Nov. 10; Sp. p. 1927; Gaz. vol. 137; p. 347.
Milling-machine. V. J. Wahlstrom. No. 884,243; Apr. 7; Sp. p. 1183; Dr. p. 249; Gaz. vol. 133; p. 1379.
Milling-machine. C. J. Muther. No. 891,945; June 30; Sp. p. 5629; Dr. p. 1213; Gaz. vol. 134; p. 2081.
Milling-machine. R. K. Le Blond and W. F. Groene. No. 894,508; July 28; Sp. p. 4454; Dr. p. 922; Gaz. vol. 135; p. 779.
Milling-machine. L. Giannelli. No. 898,353; Sept. 8; Sp. p. 2239; Dr. pp. 477-8; Gaz. vol. 136; p. 388.
Milling-machine, Portable. C. W. Danglemeier. No. 900,149; Oct. 6; Sp. p. 158; Dr. pp. 33-4; Gaz. vol. 136; p. 1099.
Milling-tool. B. Wonderly. No. 887,992; May 19; Sp. p. 3364; Dr. p. 706; Gaz. vol. 134; p. 604.
Millstone. J. L. Durham. No. 891,050; June 16; Sp. p. 3788; Dr. p. 827; Gaz. vol. 134; p. 1722.
Millstone-dressing machine. R. C. Helms. No. 886,502; May 5; Sp. p. 321; Dr. p. 66; Gaz. vol. 134; p. 59.
Mine. L. L'heure. No. 905,336; Dec. 1; Sp. p. 404; Gaz. vol. 137; p. 1053.
Mine-cage safety-catch. H. Martini. No. 907,835; Dec. 29; Sp. p. 5365; Gaz. vol. 137; p. 1989.
Mine-cage safety device. C. Shewan. No. 889,408; June 2; Sp. p. 437; Dr. p. 104; Gaz. vol. 134; p. 1127.
Mine-cages and the like, Safety brake mechanism for. H. A. Walker. No. 902,703; Nov. 3; Sp. p. 341; Gaz. vol. 137; p. 58.
Mine-cages and the like, Safety mechanism for. K. W. O. Schweder. No. 902,690; Nov. 3; Sp. p. 307; Gaz. vol. 137; p. 53.
Mine disasters, Means for preventing. M. T. McDonough. No. 903,492; Nov. 10; Sp. p. 1917; Gaz. vol. 137; p. 345.
Mine-door. J. Wack. No. 892,632; July 7; Sp. p. 468; Dr. p. 100; Gaz. vol. 135; p. 83.
Mine-door. J. L. Dinwiddie and A. F. Braun. No. 903,846; Nov. 17; Sp. p. 2642; Gaz. vol. 137; p. 491.
Mine-door, Automatic. B. O. Byers and C. F. Thiede. No. 900,262; Oct. 6; Sp. p. 410; Dr. p. 83; Gaz. vol. 136; p. 1136.
Mine-elevator. W. Channon. No. 890,124; June 9; Sp. p. 1859; Dr. pp. 409-10; Gaz. vol. 134; p. 1386.
Mine-prop. F. Nellen and A. Voigt. No. 881,609; Mar. 10; Sp. p. 2223; Dr. p. 483; Gaz. vol. 133; p. 403.
Mine-roof support. F. C. Kelghley. No. 904,878; Nov. 24; Sp. p. 4847; Gaz. vol. 137; p. 866.
Mine-shaft safety device. N. W. Dickerson. No. 892,653; July 7; Sp. p. 506; Dr. p. 107; Gaz. vol. 135; p. 90.
Mine skips, cages, &c., Safety device for. J. Spry. No. 902,694; Nov. 3; Sp. p. 322; Gaz. vol. 137; p. 54.
Mine-timber. Z. Z. Ansbach. No. 907,554; Dec. 22; Sp. p. 4737; Gaz. vol. 137; p. 1865.
Mine-trackage system. F. R. Willson, Jr. No. 900,903; Oct. 13; Sp. p. 1773; Dr. p. 359; Gaz. vol. 136; p. 1372.
Mine-transit. W. A. Berger. No. 902,272; Oct. 27; Sp. p. 4598; Dr. p. 934; Gaz. vol. 136; p. 1883.
Mines and removing dust and gases therefrom, Means for ventilating. F. T. Byers. No. 899,508; Sept. 29; Sp. p. 4465; Dr. p. 959; Gaz. vol. 136; p. 859.
Mines and tunnels, Air-lock for. P. H. Durack. No. 898,343; Sept. 8; Sp. p. 2221; Dr. p. 472; Gaz. vol. 136; p. 385.
Mines, Cross-head for shaft-. C. A. Magnuson. No. 890,365; June 9; Sp. p. 2373; Dr. p. 523; Gaz. vol. 134; p. 1465.
Mines, Electric apparatus for the ignition of. O. R. P. Berglund, W. A. W. E. Hjorth, and C. E. Ljungman. No. 877,284; Jan. 21; Sp. p. 3294; Dr. p. 713; Gaz. vol. 132; p. 604.
Mines, Means for ventilating and expelling water from. P. H. Durack. No. 893,988; July 21; Sp. p. 3365; Dr. p. 689; Gaz. vol. 135; p. 587.
Mines, Removing dust and gases from. F. T. Byers. No. 899,509; Sept. 29; Sp. p. 4467; Dr. p. 959; Gaz. vol. 136; p. 859.
Mines, System for ventilation of. W. E. Elliott and J. G. Wilson. No. 888,073; May 19; Sp. p. 3508; Dr. p. 734; Gaz. vol. 134; p. 629.
Miner's cage. H. Heiling. No. 887,193; May 12; Sp. p. 1678; Dr. p. 356; Gaz. vol. 134; p. 308.
Miner's cap and lamp. L. W. Cogswell and J. D. Abel. No. 897,588; Sept. 1; Sp. p. 713; Dr. p. 150; Gaz. vol. 136; p. 113.
Miner's cap attachment. W. Firman. No. 905,682; Dec. 1; Sp. p. 1128; Gaz. vol. 137; p. 1166.
Miner's drill. J. Bleser. No. 894,808; Aug. 4; Sp. p. 6; Dr. p. 2; Gaz. vol. 135; p. 902.
Miner's knife. G. H. Landers. No. 883,648; Mar. 31; Sp. p. 6330; Dr. p. 1348; Gaz. vol. 133; p. 1155.
Miner's safety-candlestick. F. Muenger. No. 906,449; Dec. 8; Sp. p. 2593; Gaz. vol. 137; p. 1446.
Miner's shovel. D. B. Lewis. No. 877,574; Jan. 28; Sp. p. 3880; Dr. p. 841; Gaz. vol. 132; p. 718.
Miner's squib, match, and file case. F. Harris. No. 879,635; Feb. 18; Sp. p. 3596; Dr. p. 752; Gaz. vol. 132; p. 1491.
Mining. J. Kirschniok. No. 878,208; Feb. 4; Sp. p. 653; Dr. p. 134; Gaz. vol. 132; p. 952.
Mining. M. Schwerin. No. 904,021; Nov. 17; Sp. p. 3016; Gaz. vol. 137; p. 550.
Mining. W. G. Anderson. No. 906,765; Dec. 15; Sp. p. 3196; Gaz. vol. 137; p. 1572.
Mining apparatus. J. W. Hunsaker, V. Beisswingert, and R. L. Davis. No. 882,148; Mar. 17; Sp. p. 3320; Dr. p. 707; Gaz. vol. 133; p. 604.
Mining apparatus. A. P. Sands, W. Palecek, and L. Williams. No. 896,467; Aug. 18; Sp. p. 3360; Dr. p. 724; Gaz. vol. 135; p. 1493.
Mining-caisson, Extension. W. W. Beeson. No. 898,174; Sept. 8; Sp. p. 1924; Dr. p. 411; Gaz. vol. 136; p. 333.
Mining device, Vacuum. J. B. Riddle. No. 898,927; Sept. 15; Sp. p. 3343; Dr. p. 717; Gaz. vol. 136; p. 608.
Mining-dredge. T. P. Rochford. No. 886,728; May 5; Sp. p. 804; Dr. p. 166; Gaz. vol. 134; p. 134.
Mining-machine. E. R. Merrill. No. 878,976; Feb. 11; Sp. p. 2237; Dr. p. 468; Gaz. vol. 132; p. 1236.
Mining-machine. D. N. Osyor. No. 889,148; May 26; Sp. p. 5693; Dr. pp. 1205-6; Gaz. vol. 134; p. 1011.
Mining-machine. A. Palmros and E. L. Hopkins. No. 889,149; May 26; Sp. p. 5698; Dr. p. 1206; Gaz. vol. 134; p. 1011.
Mining-machine. R. D. Secoy. No. 892,904; July 7; Sp. p. 1037; Dr. p. 218; Gaz. vol. 135; p. 172.
Mining-machine. G. Santa. No. 897,415; Sept. 1; Sp. p. 364; Dr. p. 76; Gaz. vol. 136; p. 56.
Mining-machine. W. G. Halbert. No. 906,221; Dec. 8; Sp. p. 2177; Gaz. vol. 137; p. 1372.
Mining machine, Coal-. J. P. Gilmour. No. 895,449; Aug. 11; Sp. p. 1348; Dr. p. 284; Gaz. vol. 135; p. 1141.
Mining machine, Coal-. L. W. Veitch. No. 900,003; Sept. 29; Sp. p. 5519; Dr. p. 1176; Gaz. vol. 136; p. 1020.
Mining-machine, Electric pick. A. Sandstrom. No. 903,508; Nov. 10; Sp. p. 1951; Gaz. vol. 137; p. 351.
Mining-machine, Pick. E. C. Morgan. No. 902,756; Nov. 3; Sp. p. 436; Gaz. vol. 137; p. 75.
Mining-machine, Pneumatic. W. R. Butts. No. 877,883; Jan. 28; Sp. p. 4451; Dr. p. 971; Gaz. vol. 132; p. 816.
Mining-machines, Chain-link for. D. Buel. No. 894,184; July 28; Sp. p. 3778; Dr. p. 783; Gaz. vol. 135; p. 672.
Mining-pipe, Telescope. W. W. Beeson. No. 900,470; Oct. 6; Sp. p. 854; Dr. p. 174; Gaz. vol. 136; p. 1204.
Mining-shearing-machine pick. R. C. Hoffman. No. 907,360; Dec. 22; Sp. p. 4357; Gaz. vol. 137; p. 1801.
Mining-tool. M. E. Thomas. No. 893,950; July 21; Sp. p. 3269; Dr. p. 673; Gaz. vol. 135; p. 574.
Mineral separating and classifying apparatus. R. H. Richards. No. 901,474; Oct. 20; Sp. p. 2957; Dr. pp. 604-5; Gaz. vol. 136; p. 1595.
Mineral values, Apparatus for recovering. J. W. Boardman. No. 899,710; Sept. 29; Sp. p. 4875; Dr. p. 1046; Gaz. vol. 136; p. 923.
Minerals from gangue, Separation of metalliferous. H. L. Sulman, H. F. Kirkpatrick-Picard, and J. Ballot. No. 879,985; Feb. 25; Sp. p. 4333; Dr. pp. 907-8; Gaz. vol. 132; p. 1639.
Minerals, Suitable apparatus for concentrating and washing. A. Taylor. No. 899,441; Sept. 22; Sp. p. 4318; Dr. pp. 927-8; Gaz. vol. 136; p. 800.
Mirror. F. E. Bosworth. No. 883,616; Mar. 31; Sp. p. 6255; Dr. p. 1333; Gaz. vol. 133; p. 1145.
Mirror. J. C. May. No. 884,512; Apr. 14; Sp. p. 1709; Dr. p. 367; Gaz. vol. 133; p. 1494.
Mirror. R. T. Solis. No. 907,420; Dec. 22; Sp. p. 4485; Gaz. vol. 137; p. 1822.
Mirror, Adjustable. B. L. Harris. No. 893,998; July 21; Sp. p. 3334; Dr. p. 692; Gaz. vol. 135; p. 591.
Mirror, Adjustable shaving-. J. P. Eustis. No. 898,454; Sept. 15; Sp. p. 2458; Dr. p. 525; Gaz. vol. 136; p. 455.
Mirror attachment. T. E. Sutton. No. 878,098; Feb. 4; Sp. p. 412; Dr. p. 87; Gaz. vol. 132; p. 915.
Mirror attachment for table implements. E. Walter. No. 886,746; May 5; Sp. p. 847; Dr. p. 176; Gaz. vol. 134; p. 140.
Mirror-bracket. E. C. O'Neill. No. 892,612; July 7; Sp. p. 410; Dr. p. 91; Gaz. vol. 135; p. 76.
Mirror, Combination-. C. D. McGiehan. No. 896,658; Aug. 18; Sp. p. 3721; Dr. p. 801; Gaz. vol. 135; p. 1552.
Mirror-fastener. J. B. Snell. No. 878,680; Feb. 11; Sp. p. 1679; Dr. p. 346; Gaz. vol. 132; p. 1143.
Mirror, Folding hand-. P. C. Petersen. No. 881,947; Mar. 17; Sp. p. 2929; Dr. p. 625; Gaz. vol. 133; p. 541.
Mirror for motor-vehicles. H. Cain. No. 881,771; Mar. 10; Sp. p. 2532; Dr. p. 545; Gaz. vol. 133; p. 452.
Mirror for optical instruments and making the same. G. N. Saegmuller. No. 893,755; July 21; Sp. p. 2878; Dr. p. 591; Gaz. vol. 135; p. 511.
Mirror, Hand-. H. Burrell. No. 876,039; Jan. 7; Sp. p. 683; Dr. p. 146; Gaz. vol. 132; p. 118.
Mirror, Laughing-. H. Schuessler. No. 884,217; Apr. 7; Sp. p. 1138; Dr. p. 239; Gaz. vol. 133; p. 1371.
Mirror, Shaving-. F. E. Neumann. No. 893,357; July 14; Sp. p. 1946; Dr. p. 409; Gaz. vol. 135; p. 349.
Mirror, Shaving-. D. J. McIsaac. No. 894,685; July 28; Sp. p. 4805; Dr. p. 998; Gaz. vol. 135; p. 838.
Mirror, Trick-. E. De Moulins. No. 905,295; Dec. 1; Sp. p. 323; Gaz. vol. 137; p. 1039.
Mirrors and other articles of glass, Ornamentation of. T. Archer. No. 904,594; Nov. 24; Sp. p. 4229; Gaz. vol. 137; p. 770.
Mirrors, brushes, and the like, Frame for. R. R. Debacher. No. 884,078; Apr. 7; Sp. p. 822; Dr. p. 173; Gaz. vol. 133; p. 1325.
Miter-box. A. D. Hughes. No. 875,819; Jan. 7; Sp. p. 268; Dr. p. 58; Gaz. vol. 132; p. 50.
Miter-box. O. Cassidy. No. 876,266; Jan. 7; Sp. p. 1123; Dr. pp. 243-4; Gaz. vol. 132; p. 190.
Miter-box. E. D. Bjork. No. 876,315; Jan. 14; Sp. p. 1247; Dr. p. 271; Gaz. vol. 132; p. 239.
Miter-box. C. C. Galentine. No. 876,795; Jan. 14; Sp. p. 2245; Dr. pp. 493-4; Gaz. vol. 132; p. 398.
Miter-box. J. Knudson. No. 877,651; Jan. 28; Sp. p. 4029; Dr. p. 870; Gaz. vol. 132; p. 743.
Miter-box. J. McCune. No. 886,238; Apr. 28; Sp. p. 5258; Dr. p. 1108; Gaz. vol. 133; p. 2117.

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- Miter-box. C. Solemslie. No. 888,430; May 19; Sp. p. 4207; Dr. p. 892; Gaz. vol. 134; p. 745.
 Miter-box. G. Magrath. No. 889,026; May 26; Sp. p. 5440; Dr. p. 1156; Gaz. vol. 134; p. 971.
 Miter-box. J. L. Bringle. No. 901,468; Oct. 20; Sp. p. 2940; Dr. p. 600; Gaz. vol. 136; p. 1593.
 Miter-box. S. W. Shue. No. 903,901; Nov. 17; Sp. p. 2771; Gaz. vol. 137; p. 509.
 Miter-clamp. T. B. Holter. No. 879,547; Feb. 18; Sp. p. 3408; Dr. p. 714; Gaz. vol. 132; p. 1463.
 Miter-gage. C. E. Heinrich. No. 895,560; Aug. 11; Sp. p. 1577; Dr. p. 333; Gaz. vol. 135; p. 1178.
 Mitering-machine. J. M. Fetzer. No. 901,699; Oct. 20; Sp. p. 3453; Dr. p. 700; Gaz. vol. 136; p. 1671.
 Mitering-machine. W. R. Fox and M. Lund. No. 906,125; Dec. 8; Sp. p. 1990; Gaz. vol. 137; p. 1340.
 Mitt, Base-ball. J. Gamble. No. 899,522; Sept. 29; Sp. p. 4493; Dr. p. 965; Gaz. vol. 136; p. 864.
 Mitt or glove, Catcher's. E. J. and H. Goldsmith. No. 877,561; Jan. 28; Sp. p. 3860; Dr. p. 835; Gaz. vol. 132; p. 714.
 Mitten-pressing machine. R. S. Lewis. No. 882,326; Mar. 17; Sp. p. 3679; Dr. pp. 780-1; Gaz. vol. 133; p. 663.
 Mixer: See Bread-mixer; Cake-mixer; Cement-mixer; Cement or concrete mixer; Concrete-mixer; Feed-mixer; Fluid-mixer; Gas-mixer; Gas-burner air-mixer; Gas-machine mixer; Mill-stock mixer.
 Mixer. A. E. McNitt. No. 905,092; Nov. 24; Sp. p. 5261; Gaz. vol. 137; p. 937.
 Mixer. A. M. Monday. No. 906,908; Dec. 15; Sp. p. 3463; Gaz. vol. 137; p. 1617.
 Mixer, Apparatus for feeding materials to. A. L. Post. No. 885,951; Apr. 28; Sp. p. 4713; Dr. p. 991; Gaz. vol. 133; p. 2025.
 Mixer-opening device. F. B. Smith. No. 892,321; June 30; Sp. p. 6340; Dr. p. 1366; Gaz. vol. 134; p. 2203.
 Mixing and kneading machine. W. and M. E. Gray. No. 876,633; Jan. 14; Sp. p. 1963; Dr. p. 428; Gaz. vol. 132; p. 348.
 Mixing apparatus. J. C. Shreffler. No. 905,375; Dec. 1; Sp. p. 494; Gaz. vol. 137; p. 1067.
 Mixing apparatus. L. Rosenbaum. No. 904,087; Nov. 17; Sp. p. 3149; Gaz. vol. 137; p. 571.
 Mixing-chamber. W. S. Morgan. No. 889,323; June 2; Sp. p. 254; Dr. p. 62; Gaz. vol. 134; p. 1099.
 Mixing device. T. C. Hughes. No. 876,356; Jan. 14; Sp. p. 1327; Dr. p. 288; Gaz. vol. 132; p. 252.
 Mixing-machine. A. Stein. No. 876,408; Jan. 14; Sp. p. 1445; Dr. p. 311; Gaz. vol. 132; p. 268.
 Mixing-machine. T. L. Smith. No. 880,248; Feb. 25; Sp. p. 4870; Dr. pp. 1030-1; Gaz. vol. 132; p. 1726.
 Mixing-machine. C. W. Upright. No. 886,899; May 5; Sp. p. 1134; Dr. p. 237; Gaz. vol. 134; p. 185.
 Mixing-machine. V. Kämmerer. No. 887,254; May 12; Sp. p. 1829; Dr. p. 386; Gaz. vol. 134; p. 327.
 Mixing-machine. J. A. Svenson. No. 891,876; June 30; Sp. p. 5489; Dr. p. 1186; Gaz. vol. 134; p. 2058.
 Mixing-machine. J. B. Hinchman. No. 892,518; July 7; Sp. p. 252; Dr. p. 53; Gaz. vol. 135; p. 47.
 Mixing-machine. W. O. Stark. No. 897,312; Sept. 1; Sp. p. 83; Dr. pp. 20-1; Gaz. vol. 136; p. 17.
 Mixing-machine. C. E. Bathrick. No. 898,171; Sept. 8; Sp. p. 1914; Dr. pp. 409-10; Gaz. vol. 136; p. 332.
 Mixing-machine. W. O. Stark. No. 903,516; Nov. 10; Sp. p. 1964; Gaz. vol. 137; p. 353.
 Mixing-machine. G. Kuebler. No. 906,036; Dec. 8; Sp. p. 1816; Gaz. vol. 137; p. 1312.
 Mixing-machine. W. S. Plummer. No. 906,282; Dec. 8; Sp. p. 2286; Gaz. vol. 137; p. 1392.
 Mixing-machine. F. A. Sickelsteiner. No. 907,297; Dec. 22; Sp. p. 4247; Gaz. vol. 137; p. 1782.
 Mixing-machine delivery-spout. J. B. Hinchman. No. 892,519; July 7; Sp. p. 255; Dr. p. 54; Gaz. vol. 135; p. 47.
 Mixing machinery. H. Sklarer. No. 888,542; May 26; Sp. p. 4423; Dr. p. 938; Gaz. vol. 134; p. 812.
 Mixing or separating machine. F. Ecaubert. No. 895,173; Aug. 4; Sp. p. 738; Dr. pp. 164-5; Gaz. vol. 135; p. 1026.
 Mobile hydrometallurgical apparatus. H. W. Blaisdell and J. R. Brown. No. 907,309; Dec. 22; Sp. p. 4264; Gaz. vol. 137; p. 1786.
 Moistener. J. F. Gilman. No. 877,498; Jan. 28; Sp. p. 3720; Dr. p. 805; Gaz. vol. 132; p. 693.
 Moistener. H. G. Campbell. No. 898,720; Sept. 15; Sp. p. 2960; Dr. p. 636; Gaz. vol. 136; p. 540.
 Moistener, Stamp. C. H. Mauk. No. 902,671; Nov. 3; Sp. p. 271; Gaz. vol. 137; p. 46.
 Moistening device. B. F. Leiser. No. 900,748; Oct. 13; Sp. p. 1443; Dr. p. 293; Gaz. vol. 136; p. 1322.
 Moistening device for stamps, labels, and stickers. T. Rider. No. 888,193; May 19; Sp. p. 3731; Dr. p. 782; Gaz. vol. 134; p. 667.
 Moistening device. Strip. M. C. Browne. No. 900,352; Oct. 6; Sp. p. 585; Dr. p. 121; Gaz. vol. 136; p. 1164.
 Moistening machine. Strip. J. H. Dyett. No. 896,443; Aug. 18; Sp. p. 3310; Dr. p. 712; Gaz. vol. 135; p. 1484.
 Moistening machine. Tape. C. Senne. No. 883,385; Apr. 21; Sp. p. 3553; Dr. p. 743; Gaz. vol. 135; p. 1814.
 Moisture-absorber. D. F. Morgan. No. 894,973; Aug. 4; Sp. p. 401; Dr. p. 81; Gaz. vol. 135; p. 958.
 Moisture-proof containers, Making. A. Obie. No. 892,074; June 30; Sp. p. 5807; Dr. p. 1263; Gaz. vol. 134; p. 2121.
 Molasses, Treating. R. D. Pike. No. 900,584; Oct. 6; Sp. p. 1098; Dr. p. 225; Gaz. vol. 136; p. 1241.
 Mold: See Brick and block mold; Building-block mold; Bullet-mold; Butter-mold; Cement-block mold; Cement-chair mold; Cement or concrete block mold; Cement-tile mold; Check-mold; Chill-mold; Cigar-mold; Concrete-mold; Concrete-block mold; Concrete-building-block mold; Concrete-wall mold; Culvert-mold; Fence-post mold; Fence-post multiple mold; Gang-mold; Glass-mold; Hat-mold; Hollow-article mold; Ice-cream mold; Ingot-mold; Linotype-machine mold; Mantle-ring mold; Measuring-mold; Pipe-casting mold; Post-mold; Post and tile mold; Sand mold; Sash-weight mold; Sewer-mold; Tile-forming mold; Type-mold; Type-casting mold; Wall-mold; Water-cooled mold; Wheel-casting mold.
 Mold. P. T. C. Dumais. No. 875,700; Jan. 7; Sp. p. 41; Dr. p. 9; Gaz. vol. 132; p. 10.
 Mold. J. Bertram. No. 876,135; Jan. 7; Sp. p. 882; Dr. pp. 189-90; Gaz. vol. 132; p. 149.
 Mold. W. J. Miller. No. 876,212; Jan. 7; Sp. p. 1024; Dr. p. 221; Gaz. vol. 132; p. 173.
 Mold. W. J. Miller. No. 879,294; Feb. 18; Sp. p. 2881; Dr. p. 601; Gaz. vol. 132; p. 1381.
 Mold. S. S. Chezem. No. 881,299; Mar. 10; Sp. p. 1621; Dr. p. 346; Gaz. vol. 133; p. 302.
 Mold. E. M. Walker. No. 884,965; Apr. 14; Sp. p. 2650; Dr. p. 563; Gaz. vol. 133; p. 1641.
 Mold. E. D. Tucker. No. 885,807; Apr. 28; Sp. p. 4408; Dr. p. 924; Gaz. vol. 133; p. 1975.
 Mold. R. B. Tufts. No. 894,549; July 28; Sp. p. 4536; Dr. pp. 939-40; Gaz. vol. 135; p. 792.
 Mold. H. M. Verplanck. No. 896,181; Aug. 18; Sp. p. 2772; Dr. p. 597; Gaz. vol. 135; p. 1398.
 Mold. C. H. Lawton. No. 897,113; Aug. 25; Sp. p. 4720; Dr. p. 1005; Gaz. vol. 135; p. 1728.
 Mold. H. C. Shaw. No. 898,795; Sept. 15; Sp. p. 3109; Dr. p. 666; Gaz. vol. 136; p. 565.
 Mold. W. N. Wayman. No. 901,133; Oct. 13; Sp. p. 2220; Dr. p. 452; Gaz. vol. 136; p. 1446.
 Mold. L. J. Garnet. No. 902,722; Nov. 3; Sp. p. 381; Gaz. vol. 137; p. 65.
 Mold. J. Wilson. No. 903,038; Nov. 3; Sp. p. 1022; Gaz. vol. 137; p. 167.
 Mold. J. G. Coomer. No. 903,453; Nov. 10; Sp. p. 1826; Gaz. vol. 137; p. 332.
 Mold. L. Townsend. No. 906,966; Dec. 15; Sp. p. 3567; Gaz. vol. 137; p. 1635.
 Mold. F. B. Harding and J. J. Brubeck. No. 907,494; Dec. 22; Sp. p. 4638; Gaz. vol. 137; p. 1847.
 Mold and making the same. W. P. Dun Lany. No. 881,558; Mar. 10; Sp. p. 2115; Dr. p. 462; Gaz. vol. 133; p. 385.
 Mold and mold equipment. T. J. Mell. No. 906,256; Dec. 8; Sp. p. 2240; Gaz. vol. 137; p. 1384.
 Mold and mold-lining. E. G. Acheson. No. 881,645; Mar. 10; Sp. p. 2301; Dr. p. 498; Gaz. vol. 133; p. 414.
 Mold appliance. J. M. Pettyjohn. No. 896,459; Aug. 18; Sp. p. 3341; Dr. pp. 718-19; Gaz. vol. 135; p. 1490.
 Mold-drying apparatus. J. E. Mathewson. No. 903,391; Nov. 10; Sp. p. 1699; Gaz. vol. 137; p. 311.
 Mold-fastening device. J. H. Sullivan. No. 901,209; Oct. 13; Sp. p. 2352; Dr. p. 481; Gaz. vol. 136; p. 1470.
 Mold for making florists' benches. L. Wittbold. No. 883,439; Mar. 31; Sp. p. 5916; Dr. p. 1263; Gaz. vol. 133; p. 1091.
 Mold-forming machine. J. Bensing. No. 896,194; Aug. 18; Sp. p. 2799; Dr. p. 603; Gaz. vol. 135; p. 1403.
 Mold-jacket. H. C. Caldwell. No. 886,187; Apr. 28; Sp. p. 5171; Dr. pp. 1088-9; Gaz. vol. 133; p. 2100.
 Mold-making apparatus. J. W. Gibney. No. 900,365; Oct. 6; Sp. p. 609; Dr. pp. 126-7; Gaz. vol. 136; p. 1169.
 Mold-making apparatus. L. J. Wing. No. 907,212; Dec. 22; Sp. p. 4067; Gaz. vol. 137; p. 1750.
 Mold-making machine. H. M. Molder. No. 890,919; June 16; Sp. p. 3504; Dr. pp. 767-8; Gaz. vol. 134; p. 1678.
 Mold-manufacturing device. E. Friedheim. No. 906,007; Dec. 8; Sp. p. 1763; Gaz. vol. 137; p. 1303.
 Mold-panel. K. O. Guthrie. No. 906,493; Dec. 8; Sp. p. 2670; Gaz. vol. 137; p. 1461.
 Mold-ramming apparatus. H. Henderson. No. 876,054; Jan. 7; Sp. p. 706; Dr. pp. 151-2; Gaz. vol. 137; p. 122.
 Mold-stripper. W. J. Evans. No. 887,611; May 12; Sp. p. 2594; Dr. p. 547; Gaz. vol. 134; p. 448.
 Mold-stripping machine. E. P. Slentz. No. 880,929; Mar. 3; Sp. p. 898; Dr. p. 194; Gaz. vol. 133; p. 151.
 Molds, Electrical heating means for. H. E. Diller. No. 896,630; Aug. 18; Sp. p. 3668; Dr. p. 787; Gaz. vol. 135; p. 1544.
 Molds, Making. F. M. Lawrence. No. 890,665; June 16; Sp. p. 2982; Dr. p. 653; Gaz. vol. 134; p. 1595.
 Molds, Snap-band for. W. Hales. No. 896,379; Aug. 18; Sp. p. 3189; Dr. p. 684; Gaz. vol. 135; p. 1463.
 Moldable mass or compound articles of manufacture and forming same. C. H. Land. No. 894,449; July 28; Sp. p. 4344; Dr. p. 895; Gaz. vol. 135; p. 761.
 Molded articles, Making. H. Dresler. No. 876,783; Jan. 14; Sp. p. 2230; Gaz. vol. 132; p. 395.
 Molder's apparatus. S. Griffith. No. 882,823; Mar. 24; Sp. p. 4630; Dr. p. 987; Gaz. vol. 133; p. 858.
 Molder's flask. D. Parks. No. 880,396; Feb. 25; Sp. p. 5158; Dr. p. 1089; Gaz. vol. 132; p. 1774.
 Molder's flask. D. Parks. No. 880,397; Feb. 25; Sp. p. 5161; Dr. p. 1089; Gaz. vol. 132; p. 1774.
 Molder's flask. G. H. Kramer. No. 893,252; July 14; Sp. p. 1749; Dr. p. 369; Gaz. vol. 135; p. 315.
 Molder's-flask attachment. J. N. Perkins. No. 881,823; Mar. 10; Sp. p. 2640; Dr. p. 566; Gaz. vol. 133; p. 470.
 Molders' patterns, Making. J. F. Cox. No. 898,728; Sept. 15; Sp. p. 2984; Dr. pp. 640-1; Gaz. vol. 136; p. 543.
 Molders. Presser-foot for irregular. J. C. Burchill. No. 882,777; Mar. 24; Sp. p. 4534; Dr. p. 968; Gaz. vol. 133; p. 842.

Alphabetical list of inventions—Continued.

- Molding apparatus. M. Bernhart. No. 880,500; Mar. 3; Sp. p. 17; Dr. pp. 4-5; Gaz. vol. 133; p. 6.
Molding apparatus. B. Horn. No. 882,885; Mar. 24; Sp. p. 4769; Dr. p. 1015; Gaz. vol. 133; p. 878.
Molding apparatus. P. Dupont. No. 892,142; June 30; Sp. p. 5995; Dr. p. 1289; Gaz. vol. 134; p. 2143.
Molding apparatus. T. H. Symington. No. 895,814; Aug. 11; Sp. p. 2089; Dr. p. 443; Gaz. vol. 135; p. 1260.
Molding apparatus. E. Estep. No. 902,062; Oct. 27; Sp. p. 4177; Dr. p. 846; Gaz. vol. 136; p. 1816.
Molding apparatus. F. Kreger. No. 906,240; Dec. 8; Sp. p. 2216; Gaz. vol. 137; p. 1380.
Molding apparatus. Sand- W. D. Berry. No. 887,756; May 19; Sp. p. 2888; Dr. p. 609; Gaz. vol. 134; p. 525.
Molding appliance. A. T. Rasmussen. No. 901,471; Oct. 20; Sp. p. 2949; Dr. p. 602; Gaz. vol. 136; p. 1594.
Molding bath-tubs and other large articles. P. Dupont. No. 892,144; June 30; Sp. p. 6006; Dr. pp. 1290-1; Gaz. vol. 134; p. 2144.
Molding-box. W. Collins. No. 902,561; Nov. 3; Sp. p. 62; Gaz. vol. 137; p. 11.
Molding device. G. W., W. E., and G. F. Porter. No. 903,770; Nov. 10; Sp. p. 2463; Gaz. vol. 137; p. 432.
Molding devices, Riser-lining for. E. C. Washburn. No. 900,970; Oct. 13; Sp. p. 1919; Dr. p. 390; Gaz. vol. 136; p. 1394.
Molding-fastening. A. C. Goddard. No. 906,218; Dec. 8; Sp. p. 2171; Gaz. vol. 137; p. 1371.
Molding-flask pin and guide. J. Rost. No. 898,929; Sept. 15; Sp. p. 3346; Dr. p. 718; Gaz. vol. 136; p. 609.
Molding-flask sand-hook. A. Kolvoord. No. 904,787; Nov. 24; Sp. p. 4646; Gaz. vol. 137; p. 835.
Molding-flasks, Apparatus for drying out. C. I. Williams. No. 896,070; Aug. 11; Sp. p. 2582; Dr. p. 561; Gaz. vol. 135; p. 1343.
Molding hollow articles with bulged or swelled walls, Means for. L. A. Wilczek. No. 880,947; Mar. 3; Sp. p. 924; Dr. p. 200; Gaz. vol. 133; p. 156.
Molding large articles. P. Dupont. No. 892,143; June 30; Sp. p. 6001; Dr. p. 1290; Gaz. vol. 134; p. 2143.
Molding-machine. L. H. K. Brodie. No. 876,322; Jan. 14; Sp. p. 1259; Dr. p. 273; Gaz. vol. 132; p. 241.
Molding-machine. C. E. Lamberton. No. 877,783; Jan. 28; Sp. p. 4269; Dr. pp. 927-8; Gaz. vol. 132; p. 784.
Molding-machine. F. Herbert. No. 878,064; Feb. 4; Sp. p. 345; Dr. p. 72; Gaz. vol. 132; p. 905.
Molding-machine. W. W. Doolittle. No. 878,510; Feb. 11; Sp. p. 1317; Dr. pp. 266-7; Gaz. vol. 132; p. 1085.
Molding-machine. J. A. Rathbone and J. T. Crossley. No. 879,118; Feb. 11; Sp. p. 2530; Dr. p. 526; Gaz. vol. 132; p. 1280.
Molding-machine. E. J. Schroder. No. 879,915; Feb. 25; Sp. p. 4208; Dr. p. 878; Gaz. vol. 132; p. 1617.
Molding-machine. M. J. Dunn. No. 879,950; Feb. 25; Sp. p. 4274; Dr. pp. 893-4; Gaz. vol. 132; p. 1628.
Molding-machine. W. W. Rowley. No. 880,575; Mar. 3; Sp. p. 177; Dr. p. 39; Gaz. vol. 133; p. 32.
Molding-machine. H. Sonnenberg. No. 884,228; Apr. 7; Sp. p. 1152; Dr. pp. 242-3; Gaz. vol. 133; p. 1374.
Molding-machine. J. P. and J. F. J. Costigan. No. 886,951; May 5; Sp. p. 1217; Dr. pp. 257-8; Gaz. vol. 134; p. 202.
Molding-machine. A. T. Drysdale. No. 888,004; May 19; Sp. p. 3387; Dr. p. 712; Gaz. vol. 134; p. 608.
Molding-machine. W. Welsh. No. 888,133; May 19; Sp. p. 3625; Dr. pp. 759-60; Gaz. vol. 134; p. 648.
Molding-machine. J. A. Leferts and T. W. Simcox. No. 888,242; May 19; Sp. p. 3821; Dr. pp. 802-3; Gaz. vol. 134; p. 684.
Molding-machine. W. W. Doolittle. No. 888,595; May 26; Sp. p. 4547; Dr. p. 964; Gaz. vol. 134; p. 833.
Molding-machine. W. W. Doolittle. No. 888,596; May 26; Sp. p. 4550; Dr. p. 965; Gaz. vol. 134; p. 833.
Molding-machine. T. H. Keller, J. A. Haas, H. B. and J. H. Keller. No. 889,465; June 2; Sp. p. 558; Dr. pp. 131-2; Gaz. vol. 134; p. 1146.
Molding-machine. J. W. Crosby. No. 891,042; June 16; Sp. p. 3762; Dr. pp. 821-2; Gaz. vol. 134; p. 1720.
Molding-machine. W. Lewis. No. 891,489; June 23; Sp. p. 4672; Dr. pp. 1012-13; Gaz. vol. 134; p. 1897.
Molding-machine. H. Tabbar and W. Lewis. No. 891,508; June 23; Sp. p. 4708; Dr. p. 1019; Gaz. vol. 134; p. 1904.
Molding-machine. G. Dunkel. No. 891,528; June 23; Sp. p. 4755; Dr. pp. 1029-30; Gaz. vol. 134; p. 1910.
Molding-machine. A. Green. No. 893,797; July 21; Sp. p. 2964; Dr. p. 606; Gaz. vol. 135; p. 524.
Molding-machine. F. W. Hall. No. 895,011; Aug. 4; Sp. p. 484; Dr. pp. 97-8; Gaz. vol. 135; p. 972.
Molding-machine. A. D. Colton. No. 895,619; Aug. 11; Sp. p. 1687; Dr. p. 357; Gaz. vol. 135; p. 1196.
Molding-machine. H. L. Crisp. No. 896,626; Aug. 18; Sp. p. 3661; Dr. p. 786; Gaz. vol. 135; p. 1543.
Molding-machine. W. L. La Rue. No. 897,114; Aug. 25; Sp. p. 4721; Dr. p. 1006; Gaz. vol. 135; p. 1729.
Molding-machine. J. A. Rhout. No. 899,073; Sept. 22; Sp. p. 3616; Dr. pp. 774-5; Gaz. vol. 136; p. 682.
Molding-machine. J. F. Nolan. No. 900,117; Oct. 6; Sp. p. 92; Dr. p. 19; Gaz. vol. 136; p. 1088.
Molding-machine. J. A. Williams. No. 900,633; Oct. 6; Sp. p. 1207; Dr. p. 247; Gaz. vol. 136; p. 1258.
Molding-machine. F. W. Hall. No. 901,932; Oct. 20; Sp. p. 3887; Dr. pp. 793-4; Gaz. vol. 136; p. 1745.
Molding-machine. P. Bonvillain and E. Ronceray. (Reissue.) No. 12,877; Nov. 10; Sp. p. 2594; Gaz. vol. 137; p. 453.
Molding-machine. W. C. Kneale. No. 905,328; Dec. 1; Sp. p. 389; Gaz. vol. 137; p. 1050.
Molding-machine. J. F. Nolan. No. 905,350; Dec. 1; Sp. p. 440; Gaz. vol. 137; p. 1058.
Molding-machine. J. G. Morrison. No. 906,259; Dec. 8; Sp. p. 2247; Gaz. vol. 137; p. 1385.
Molding-machine. G. A. Oertzen. No. 906,268; Dec. 8; Sp. p. 2262; Gaz. vol. 137; p. 1388.
Molding-machine. C. Herman, M. L. Heyl, and H. T. Frauenheim. No. 908,002; Dec. 29; Sp. p. 5731; Gaz. vol. 137; p. 2043.
Molding-machine. A. Oskamp. No. 908,318; Dec. 29; Sp. p. 6381; Gaz. vol. 137; p. 2150.
Molding-machine bottom-board tightener. W. Bylund. No. 898,433; Sept. 15; Sp. p. 2411; Dr. p. 516; Gaz. vol. 136; p. 449.
Molding-machine for cutting panels. F. Sanders. No. 883,148; Mar. 24; Sp. p. 5283; Dr. p. 1126; Gaz. vol. 133; p. 965.
Molding-machine guide. W. L. G. Williams. No. 882,440; Mar. 17; Sp. p. 3868; Dr. p. 826; Gaz. vol. 133; p. 699.
Molding-machine. Sand- A. P. Smith. No. 877,746; Jan. 28; Sp. p. 4207; Dr. pp. 911-12; Gaz. vol. 132; p. 772.
Molding-machine. Sand- J. J. Chiphase. No. 878,345; Feb. 4; Sp. p. 922; Dr. p. 184; Gaz. vol. 132; p. 998.
Molding-machine, Toothed-wheel- G. Telke. No. 900,327; Oct. 6; Sp. p. 544; Dr. p. 113; Gaz. vol. 136; p. 1157.
Molding-machines, Sand-feeding device for. W. H. Wangelin. No. 897,942; Sept. 8; Sp. p. 1458; Dr. p. 310; Gaz. vol. 136; p. 260.
Molding-press, Hydraulic. P. Bonvillain. (Reissue.) No. 12,885; Nov. 24; Sp. p. 5348; Gaz. vol. 137; p. 953.
Molding process. W. F. M. McCarty. No. 901,361; Oct. 20; Sp. p. 2682; Dr. p. 550; Gaz. vol. 136; p. 1556.
Moldings, Machine for applying liquid to. C. F. Planett. No. 903,313; Nov. 10; Sp. p. 1547; Gaz. vol. 137; p. 286.
Moldings, Machine for producing. P. Lorentzen. No. 884,175; Apr. 7; Sp. p. 1065; Dr. p. 222; Gaz. vol. 133; p. 1357.
Moldings, &c., with metal, Casing wooden. A. Beyrie. No. 887,995; May 19; Sp. p. 3369; Dr. p. 707; Gaz. vol. 134; p. 605.
Money-case. Tourist's. E. J. A. Wilson. No. 906,596; Dec. 15; Sp. p. 2860; Gaz. vol. 137; p. 1518.
Money-receptacle. T. J. Gilliland. No. 905,811; Dec. 1; Sp. p. 1375; Gaz. vol. 137; p. 1209.
Monorailway system. W. D. Valentine. No. 891,882; June 30; Sp. p. 5499; Dr. p. 1188; Gaz. vol. 134; p. 2060.
Monument, Landmarking-. R. L. Packard. No. 885,281; Apr. 21; Sp. p. 3324; Dr. p. 694; Gaz. vol. 133; p. 1778.
Mop. J. H. Johnson. No. 892,845; July 7; Sp. p. 900; Dr. p. 191; Gaz. vol. 135; p. 152.
Mop and brush making machine. E. Koella. No. 878,295; Feb. 4; Sp. p. 824; Dr. pp. 164-5; Gaz. vol. 132; p. 981.
Mop and brush making machine. L. Stocker. No. 881,740; Mar. 10; Sp. p. 2477; Dr. pp. 533-4; Gaz. vol. 133; p. 442.
Mop and brush making machine. L. Stocker. No. 898,019; Sept. 8; Sp. p. 1610; Dr. pp. 343-4; Gaz. vol. 136; p. 284.
Mop and wringer therefor, Combined. E. Hilker. No. 897,465; Sept. 1; Sp. p. 465; Dr. p. 99; Gaz. vol. 136; p. 73.
Mop-head. F. A. Rivers. No. 899,437; Sept. 22; Sp. p. 4310; Dr. p. 926; Gaz. vol. 136; p. 799.
Mop head and wringer. A. S. Mathers. No. 885,937; Apr. 28; Sp. p. 4674; Dr. p. 985; Gaz. vol. 133; p. 2019.
Mop head and wringer, Combined. J. W. Lappin. No. 877,895; Jan. 28; Sp. p. 4488; Dr. p. 977; Gaz. vol. 132; p. 820.
Mop-head and wringing attachment. S. J. Bugh. No. 894,422; July 28; Sp. p. 4288; Dr. pp. 884-5; Gaz. vol. 135; p. 752.
Mop-making machine. L. Stocker. No. 891,572; June 23; Sp. p. 4843; Dr. p. 1045; Gaz. vol. 134; p. 1923.
Mop-wringer. W. H. Wetmore. No. 877,149; Jan. 21; Sp. p. 3023; Dr. p. 654; Gaz. vol. 132; p. 558.
Mop-wringer. D. Whitehurst. No. 877,621; Jan. 23; Sp. p. 3982; Dr. p. 860; Gaz. vol. 132; p. 733.
Mop-wringer. J. J. McDonald. No. 878,660; Feb. 11; Sp. p. 1647; Dr. p. 338; Gaz. vol. 132; p. 1136.
Mop-wringer. W. T. Phillips. No. 879,671; Feb. 18; Sp. p. 3670; Dr. p. 767; Gaz. vol. 132; p. 1503.
Mop-wringer. P. E. Goehle, Sr. No. 885,607; Apr. 21; Sp. p. 3972; Dr. p. 829; Gaz. vol. 133; p. 1880.
Mop-wringer. A. H. Shoemaker. No. 887,704; May 12; Sp. p. 2764; Dr. p. 584; Gaz. vol. 134; p. 479.
Mop-wringer. W. H. Wetmore. No. 894,865; Aug. 4; Sp. p. 125; Dr. p. 28; Gaz. vol. 135; p. 921.
Mop-wringer. Z. L. Trainham. No. 896,423; Aug. 18; Sp. p. 3275; Dr. p. 702; Gaz. vol. 135; p. 1478.
Mop-wringer. S. M. Schaeffe. No. 900,430; Oct. 6; Sp. p. 757; Dr. p. 156; Gaz. vol. 136; p. 1192.
Mop-wringer. J. Weil. No. 903,524; Nov. 10; Sp. p. 1978; Gaz. vol. 137; p. 355.
Mops and brushes, Machine for making. L. Stocker. No. 891,571; June 23; Sp. p. 4835; Dr. pp. 1043-4; Gaz. vol. 134; p. 1923.
Mops, Making. L. Stocker. No. 891,744; June 23; Sp. p. 5197; Dr. p. 1123; Gaz. vol. 134; p. 1981.
Mortise and tenon. L. P. Harris. No. 879,382; Feb. 18; Sp. p. 3046; Dr. p. 634; Gaz. vol. 132; p. 1408.
Mortise-joints, Method of and means for making. J. L. Gilman. No. 882,001; Mar. 17; Sp. p. 3051; Dr. p. 649; Gaz. vol. 133; p. 558.
Mortise-lock. L. S. S. George. No. 876,167; Jan. 7; Sp. p. 937; Dr. p. 201; Gaz. vol. 132; p. 159.
Mortising and grooving machine. L. Lubin. No. 893,849; July 21; Sp. p. 3078; Dr. p. 629; Gaz. vol. 135; p. 542.
Mortising-machine. G. O. Westlund. No. 891,755; June 23; Sp. p. 5218; Dr. pp. 1129-30; Gaz. vol. 134; p. 1985.
Mortising-machine. R. S. Brown. No. 896,355; Aug. 18; Sp. p. 3126; Dr. pp. 672-4; Gaz. vol. 135; p. 1455.
Mortising-machine work-support. R. S. Brown. No. 896,356; Aug. 18; Sp. p. 3136; Dr. pp. 674-5; Gaz. vol. 135; p. 1456.
Mosquito-net support. H. Bull. No. 903,539; Nov. 10; Sp. p. 2015; Gaz. vol. 137; p. 360.
Motion-ball holder. G. Thompson. No. 900,449; Oct. 6; Sp. p. 812; Dr. p. 167; Gaz. vol. 136; p. 1198.
Motion-checking device. O. F. Persson. No. 876,994; Jan. 21; Sp. p. 2685; Dr. p. 584; Gaz. vol. 132; p. 506.

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- Motion-converting device. J. E. Paulson. No. 897,652; Sept. 1; Sp. p. 830; Dr. p. 175; Gaz. vol. 136; p. 133.
 Motion-converting mechanism. L. R. Briggs. No. 885,834; Apr. 28; Sp. p. 4463; Dr. p. 937; Gaz. vol. 133; p. 1985.
 Motion device, intermittent. A. F. Hamacek. No. 903,469; Nov. 10; Sp. p. 1868; Gaz. vol. 137; p. 337.
 Motion-indicator. W. S. Rush. No. 900,427; Oct. 6; Sp. p. 739; Dr. p. 155; Gaz. vol. 136; p. 1190.
 Motion indicator and recorder. W. S. Rush. No. 885,528; Apr. 21; Sp. p. 3818; Dr. p. 801; Gaz. vol. 133; p. 1856.
 Motion indicator and recorder. W. S. Rush. No. 885,529; Apr. 21; Sp. p. 3828; Dr. p. 802; Gaz. vol. 133; p. 1857.
 Motion into rotary motion, Means for converting reciprocatory. W. C. Mayo and J. Houlehan. No. 879,289; Feb. 18; Sp. p. 2869; Dr. p. 599; Gaz. vol. 132; p. 1379.
 Motion of a shaft, Device for regulating the rotary. S. H. Leavenworth and J. W. Farrell. No. 896,072; Aug. 11; Sp. p. 2585; Dr. p. 562; Gaz. vol. 135; p. 1343.
 Motion of flexible diaphragms, Device for utilizing the. W. M. Fulton. No. 897,730; Sept. 1; Sp. p. 989; Dr. p. 210; Gaz. vol. 136; p. 159.
 Motion-transmitting mechanism. H. E. Warren. No. 887,714; May 12; Sp. p. 2783; Dr. p. 588; Gaz. vol. 134; p. 483.
 Motion, Twine-take-up. C. E. Kelly. No. 877,718; Jan. 28; Sp. p. 4154; Dr. p. 900; Gaz. vol. 132; p. 764.
 Motive fluid from the combustion of fuel, Means for producing. W. J. Renshaw. No. 884,042; Apr. 7; Sp. p. 757; Dr. pp. 157-8; Gaz. vol. 133; p. 1313.
 Motive power. H. K. Hess. No. 878,953; Feb. 11; Sp. p. 2197; Dr. p. 460; Gaz. vol. 132; p. 1229.
 Motive-power engine. E. Thomson. No. 884,539; Apr. 14; Sp. p. 1762; Dr. pp. 379-80; Gaz. vol. 133; p. 1503.
 Motive system, Compound. F. S. Vaughn. No. 906,959; Dec. 8; Sp. p. 1661; Gaz. vol. 137; p. 1286.
 Motor: See Air-motor; Automobile-motor; Churn-motor; Commutator-motor; Compensated motor; Current-motor; Cycle-motor; Drum-cylinder motor; Electric motor; Electromagnetic motor; Explosion-motor; Explosive-motor; Fan-motor; Fluid-motor; Fluid-pressure motor; Hand-motor; Hydraulic motor; Hydrocarbon-motor; Induction-motor; Mechanical motor; Oscillating motor; Pneumatic motor; Power-motor; Railway-track motor; Reciprocating motor; Rotary motor; Rotary pressure-motor; Rotary reaction-motor; Single-phase motor; Solenoid-motor; Spring-motor; Synchronous motor; Tremolo-motor; Turbine-motor; Variable-speed motor; Water-motor; Water-current motor; Water-pressure motor; Wave-motor; Wave and current motor; Wave, tide, and current motor; Weight-motor; Wind-motor.
 Motor. F. C. Axtell. No. 877,977; Feb. 4; Sp. p. 158; Dr. pp. 35-6; Gaz. vol. 132; p. 876.
 Motor. C. W. Manzel. No. 881,935; Mar. 17; Sp. p. 2903; Dr. pp. 619-20; Gaz. vol. 133; p. 536.
 Motor. J. H. Champ. No. 883,935; Apr. 7; Sp. p. 536; Dr. pp. 106-7; Gaz. vol. 133; p. 1277.
 Motor. E. H. Herndon. No. 896,448; Aug. 18; Sp. p. 3317; Dr. p. 714; Gaz. vol. 135; p. 1486.
 Motor. O. Pepper. No. 896,572; Aug. 18; Sp. p. 3568; Dr. p. 767; Gaz. vol. 135; p. 1527.
 Motor. F. J. Crouch and C. P. Church. No. 897,595; Sept. 1; Sp. p. 728; Dr. p. 153; Gaz. vol. 136; p. 115.
 Motor and compressor, Combined. C. P. Tolman. No. 901,499; Oct. 20; Sp. p. 3015; Dr. p. 616; Gaz. vol. 136; p. 1604.
 Motor-cars, Device for carrying spare wheels or tires on. A. J. Bailey. No. 883,274; Mar. 31; Sp. p. 5554; Dr. p. 1185; Gaz. vol. 133; p. 1036.
 Motor-compressor. W. J. Richards. No. 907,884; Dec. 29; Sp. p. 5455; Gaz. vol. 137; p. 2004.
 Motor-control. K. A. Pauly. No. 876,993; Jan. 21; Sp. p. 2684; Dr. p. 583; Gaz. vol. 132; p. 505.
 Motor-control. H. E. White. No. 877,028; Jan. 21; Sp. p. 2772; Dr. pp. 599-600; Gaz. vol. 132; p. 518.
 Motor-control. C. E. Zix. No. 877,030; Jan. 21; Sp. p. 2776; Dr. p. 600; Gaz. vol. 132; p. 519.
 Motor-control. E. F. W. Alexanderson. No. 885,128; Apr. 21; Sp. p. 2999; Dr. p. 633; Gaz. vol. 133; p. 1727.
 Motor-control. F. Eichberg. No. 890,627; June 16; Sp. p. 2913; Dr. p. 638; Gaz. vol. 134; p. 1583.
 Motor-control, Electric. G. B. Rosenblatt. No. 896,249; Aug. 18; Sp. p. 2908; Dr. p. 627; Gaz. vol. 135; p. 1423.
 Motor-control, Induction. K. A. Pauly. No. 882,581; Mar. 24; Sp. p. 4153; Dr. p. 881; Gaz. vol. 133; p. 778.
 Motor-control, Induction. E. F. W. Alexanderson. No. 882,606; Mar. 24; Sp. p. 4202; Dr. p. 891; Gaz. vol. 133; p. 787.
 Motor-control, Induction. E. F. W. Alexanderson. No. 901,513; Oct. 20; Sp. p. 3043; Dr. pp. 621-2; Gaz. vol. 136; p. 1608.
 Motor-control system. G. B. Schley. No. 890,458; June 9; Sp. p. 2530; Dr. p. 560; Gaz. vol. 134; p. 1493.
 Motor-control system. E. F. Dutton. No. 890,622; June 16; Sp. p. 2894; Dr. p. 636; Gaz. vol. 134; p. 1581.
 Motor-control system. W. J. Richards. No. 894,233; July 28; Sp. p. 3881; Dr. p. 803; Gaz. vol. 135; p. 688.
 Motor-control system. C. D. Gilpin. No. 895,400; Aug. 4; Sp. p. 1236; Dr. pp. 260-1; Gaz. vol. 135; p. 1101.
 Motor-control system. H. W. Cheney. No. 896,516; Aug. 18; Sp. p. 3465; Dr. pp. 745-6; Gaz. vol. 135; p. 1510.
 Motor-control system. L. Janisch and W. Naumann. No. 897,538; Sept. 1; Sp. p. 615; Dr. p. 123; Gaz. vol. 136; p. 96.
 Motor-control system. H. Alexander. No. 901,514; Oct. 20; Sp. p. 3048; Dr. p. 622; Gaz. vol. 136; p. 1609.
 Motor-control system. E. W. Stull. No. 902,621; Nov. 3; Sp. p. 178; Gaz. vol. 137; p. 30.
 Motor-control system. G. H. Hill. No. 908,408; Dec. 29; Sp. p. 6584; Gaz. vol. 137; p. 2182.
 Motor-control system, Duplex. F. R. Fishback. No. 885,988; Apr. 28; Sp. p. 4794; Dr. p. 1007; Gaz. vol. 133; p. 2037.
 Motor-control system, Electric. A. C. Eastwood. No. 875,901; Jan. 7; Sp. p. 423; Dr. p. 94; Gaz. vol. 132; p. 77.
 Motor-control system, Electric. H. L. Van Valkenburg. No. 882,658; Mar. 24; Sp. p. 4306; Dr. p. 914; Gaz. vol. 133; p. 805.
 Motor-control system, Electric. L. A. Tirrill. No. 884,541; Apr. 14; Sp. p. 1769; Dr. p. 380; Gaz. vol. 133; p. 1504.
 Motor-control system, Electric. H. D. James. No. 888,903; May 26; Sp. p. 5221; Dr. pp. 1107-8; Gaz. vol. 134; p. 934.
 Motor-control system, Electric. H. D. James. No. 888,904; May 26; Sp. p. 5223; Dr. p. 1108; Gaz. vol. 134; p. 934.
 Motor-control system, Electric. W. Cooper. No. 889,907; June 9; Sp. p. 1409; Dr. p. 320; Gaz. vol. 134; p. 1312.
 Motor-control system, Electric. F. D. Hallock. No. 892,419; July 7; Sp. p. 51; Dr. pp. 12-13; Gaz. vol. 135; p. 13.
 Motor-control system, Electric. F. W. Harris. No. 892,421; July 7; Sp. p. 55; Dr. p. 13; Gaz. vol. 135; p. 13.
 Motor-control system, Electric. H. D. James. No. 892,429; July 7; Sp. p. 71; Dr. p. 17; Gaz. vol. 135; p. 16.
 Motor-control system, Electric. R. M. Gaston. No. 894,199; July 28; Sp. p. 3811; Dr. p. 789; Gaz. vol. 135; p. 677.
 Motor-control system, Electric. B. G. Lamme. No. 900,289; Oct. 6; Sp. p. 468; Dr. pp. 96-7; Gaz. vol. 136; p. 1146.
 Motor-controller. H. F. Elshoff. No. 902,061; Oct. 27; Sp. p. 4175; Dr. p. 845; Gaz. vol. 136; p. 1816.
 Motor-controller. A. L. McHugh. No. 902,101; Oct. 27; Sp. p. 4249; Dr. p. 861; Gaz. vol. 136; p. 1829.
 Motor-controller. W. D. Pomeroy. No. 902,108; Oct. 27; Sp. p. 4269; Dr. p. 865; Gaz. vol. 136; p. 1831.
 Motor-controller. A. H. Buckelew. No. 905,790; Dec. 1; Sp. p. 1331; Gaz. vol. 137; p. 1202.
 Motor controller, Alternating-current. G. W. Euker. No. 892,656; July 7; Sp. p. 513; Dr. p. 108; Gaz. vol. 135; p. 91.
 Motor controller, Electric. P. N. Jones. No. 878,961; Feb. 11; Sp. p. 2215; Dr. pp. 463-4; Gaz. vol. 132; p. 1232.
 Motor controller, Electric. T. E. Barnum. No. 883,078; Mar. 24; Sp. p. 5128; Dr. pp. 1094-5; Gaz. vol. 133; p. 941.
 Motor controller, Electric. H. D. James. No. 883,200; Mar. 31; Sp. p. 5398; Dr. pp. 1149-50; Gaz. vol. 133; p. 1012.
 Motor controller, Electric. T. E. Barnum and H. H. Cutler. No. 884,002; Apr. 7; Sp. p. 676; Dr. p. 136; Gaz. vol. 133; p. 1300.
 Motor controller, Electric. J. Dillon. No. 891,236; June 23; Sp. p. 4154; Dr. p. 910; Gaz. vol. 134; p. 1814.
 Motor-controller regulator, Electric. P. A. Weyand. (Reissue.) No. 12,744; Jan. 28; Sp. p. 4494; Dr. p. 978; Gaz. vol. 132; p. 822.
 Motor-controlling apparatus. M. C. Regan. No. 901,189; Oct. 13; Sp. p. 2313; Dr. pp. 474-5; Gaz. vol. 136; p. 1464.
 Motor-controlling device. W. E. Date. No. 876,441; Jan. 14; Sp. p. 1522; Dr. pp. 327-8; Gaz. vol. 132; p. 280.
 Motor-controlling device. W. C. O'Brien. No. 891,720; June 23; Sp. p. 5155; Dr. p. 1114; Gaz. vol. 134; p. 1973.
 Motor-controlling device. F. D. Hallock. No. 895,012; Aug. 4; Sp. p. 487; Dr. pp. 98-9; Gaz. vol. 135; p. 973.
 Motor-controlling device, Electric. C. A. Dresher. No. 885,147; Apr. 21; Sp. p. 3043; Dr. pp. 640-1; Gaz. vol. 133; p. 1734.
 Motor-controlling device, Electric. R. E. Barker. No. 895,836; Aug. 11; Sp. p. 2131; Dr. p. 452; Gaz. vol. 135; p. 1267.
 Motor-controlling means, Alternating-current. A. R. Everest. No. 887,612; May 12; Sp. p. 2596; Dr. p. 547; Gaz. vol. 134; p. 448.
 Motor-controlling means, Electric. H. W. Leonard. No. 888,447; May 19; Sp. p. 4241; Dr. p. 899; Gaz. vol. 134; p. 751.
 Motor-controlling mechanism. H. W. Cheney. No. 875,981; Jan. 7; Sp. p. 574; Dr. p. 124; Gaz. vol. 132; p. 100.
 Motor-controlling mechanism. H. W. Cheney. No. 875,982; Jan. 7; Sp. p. 580; Dr. p. 125; Gaz. vol. 132; p. 101.
 Motor-controlling system. A. E. Hogrebe and V. O. Strobel. No. 885,476; Apr. 21; Sp. p. 3705; Dr. p. 778; Gaz. vol. 133; p. 1841.
 Motor-controlling system. W. J. Richards. No. 894,232; July 28; Sp. p. 3874; Dr. p. 802; Gaz. vol. 135; p. 688.
 Motor-controlling system. C. T. Henderson. No. 903,288; Nov. 10; Sp. p. 1506; Gaz. vol. 137; p. 278.
 Motor-controlling system. D. E. Ross. No. 905,589; Dec. 1; Sp. p. 960; Gaz. vol. 137; p. 1136.
 Motor-controlling system, Electric. H. D. James. No. 882,639; Mar. 24; Sp. p. 4270; Dr. p. 905; Gaz. vol. 133; p. 798.
 Motor-controlling system, Electric. B. G. Lamme. No. 900,555; Oct. 6; Sp. p. 1043; Dr. p. 214; Gaz. vol. 136; p. 1232.
 Motor-controlling system, Electric. J. H. Hall. No. 902,396; Oct. 27; Sp. p. 4558; Dr. pp. 983-5; Gaz. vol. 136; p. 1924.
 Motor converter, Starting. E. F. W. Alexanderson. No. 876,923; Jan. 21; Sp. p. 2529; Dr. p. 553; Gaz. vol. 132; p. 461.
 Motor-cooling device. A. F. Knight. No. 876,973; Jan. 21; Sp. p. 2643; Dr. p. 574; Gaz. vol. 132; p. 498.
 Motor draft attachment, Adjustable. G. E. Mineah. No. 905,553; Dec. 1; Sp. p. 898; Gaz. vol. 137; p. 1127.
 Motor-driven reciprocating devices, Control system for. L. Janisch. No. 896,993; Aug. 25; Sp. p. 4477; Dr. pp. 956-7; Gaz. vol. 135; p. 1688.
 Motor for operating tools in drilling-rigs, Steam. F. S. Barkelew. (Reissue.) No. 12,904; Dec. 29; Sp. p. 6662; Gaz. vol. 137; p. 2194.
 Motor for washing-machines, etc. R. Rainalter. No. 895,299; Aug. 4; Sp. p. 1072; Dr. pp. 224-5; Gaz. vol. 135; p. 1070.
 Motor frame and gear. F. C. Miller and O. Butzke. No. 896,226; Aug. 18; Sp. p. 2867; Dr. p. 618; Gaz. vol. 135; p. 1415.
 Motor-frames, Suspension device for. H. A. Knox. No. 883,113; Mar. 24; Sp. p. 5200; Dr. pp. 1111-12; Gaz. vol. 133; p. 953.
 Motor-generators, Field regulation for. C. E. Eveleth. No. 896,979; Aug. 25; Sp. p. 4455; Dr. p. 952; Gaz. vol. 135; p. 1683.

Alphabetical list of inventions—Continued.

- Motor-machine steering-gear. H. B. Dittwiler. No. 883,179; Mar. 31; Sp. p. 5350; Dr. p. 1140; Gaz. vol. 133; p. 1004.
 Motor mechanism. A. E. Miller. No. 889,477; June 2; Sp. p. 585; Dr. pp. 136-7; Gaz. vol. 134; p. 1150.
 Motor mechanism, Spring. C. H. de La Monte. No. 897,111; Aug. 25; Sp. p. 4716; Dr. p. 1004; Gaz. vol. 135; p. 1728.
 Motor meter, Electric mercury-. J. H. Hodde. No. 878,629; Feb. 11; Sp. p. 1593; Dr. p. 325; Gaz. vol. 132; p. 1126.
 Motor-oiling system. K. G. Johnston. No. 904,132; Nov. 17; Sp. p. 3243; Gaz. vol. 137; p. 588.
 Motor operated by liquefied carbon dioxide. G. Brousseau. No. 893,899; July 21; Sp. p. 3167; Dr. p. 651; Gaz. vol. 135; p. 557.
 Motor-signal, Three-position. C. W. Coleman. No. 907,106; Dec. 15; Sp. p. 3812; Gaz. vol. 137; p. 1678.
 Motor speed-regulator, Springs-. P. J. Mueller. No. 875,835; Jan. 7; Sp. p. 298; Dr. p. 64; Gaz. vol. 132; p. 55.
 Motor-starter. A. J. Horton. No. 883,956; Apr. 7; Sp. p. 584; Dr. p. 117; Gaz. vol. 133; p. 1285.
 Motor-starter. A. J. Burns. No. 897,713; Sept. 1; Sp. p. 953; Dr. pp. 204-5; Gaz. vol. 136; p. 153.
 Motor-starter, Automatic. E. H. Smythe. No. 888,759; May 26; Sp. p. 4878; Dr. pp. 1039-40; Gaz. vol. 134; p. 884.
 Motor starter, Electric-. W. C. O'Brien. No. 891,721; June 23; Sp. p. 5161; Dr. pp. 1114-15; Gaz. vol. 134; p. 1974.
 Motor starter, Electric-. W. C. O'Brien. No. 891,722; June 23; Sp. p. 5163; Dr. p. 1115; Gaz. vol. 134; p. 1974.
 Motor starter, Electric-. W. C. O'Brien. No. 900,035; Sept. 29; Sp. p. 5594; Dr. p. 1194; Gaz. vol. 136; p. 1032.
 Motor-starting device. M. J. S. A. Isnard. No. 882,946; Mar. 24; Sp. p. 4898; Dr. p. 1039; Gaz. vol. 133; p. 900.
 Motor-starting device, Stored-pressure. E. P. Noyes. No. 880,815; Mar. 3; Sp. p. 602; Dr. p. 140; Gaz. vol. 133; p. 114.
 Motor-starting panel. A. Smith. No. 890,719; June 16; Sp. p. 3103; Dr. p. 681; Gaz. vol. 134; p. 1613.
 Motor-supporting device. A. Insinger. No. 875,821; Jan. 7; Sp. p. 271; Dr. p. 59; Gaz. vol. 132; p. 50.
 Motor-wheel, Cycle. J. E. Périllat. No. 904,721; Nov. 24; Sp. p. 4494; Gaz. vol. 137; p. 813.
 Motors and signal for the same, Electric stop-motion for. A. Cochran. No. 897,350; Sept. 1; Sp. p. 204; Dr. p. 43; Gaz. vol. 135; p. 31.
 Motors, Automatic governor for pneumatic. C. L. Davis. No. 898,194; Sept. 8; Sp. p. 1953; Dr. p. 417; Gaz. vol. 136; p. 339.
 Motors, Automatically controlling electric. H. W. Leonard. No. 890,144; June 9; Sp. p. 1897; Dr. p. 421; Gaz. vol. 134; p. 1393.
 Motors, Distributing-gear for explosion-. M. Thier. No. 893,675; July 21; Sp. p. 2635; Dr. p. 552; Gaz. vol. 137; p. 483.
 Motors, Electric ignition device or sparking plug for internal-combustion. C. O. Bastian and G. Calvert. No. 897,868; Sept. 8; Sp. p. 1283; Dr. p. 274; Gaz. vol. 136; p. 234.
 Motors, Fuel-feeding device for internal-combustion hydrocarbon-. T. E. and H. J. Podlesak. No. 889,260; June 2; Sp. p. 128; Dr. pp. 31-3; Gaz. vol. 134; p. 1079.
 Motors, Fuel-sprayer for internal-combustion. H. A. Johnston. No. 886,513; May 5; Sp. p. 339; Dr. p. 69; Gaz. vol. 134; p. 62.
 Motors, Mechanism for preventing racing in prime. H. E. Warren. No. 875,969; Jan. 7; Sp. p. 555; Dr. p. 119; Gaz. vol. 132; p. 96.
 Motors, Muffler or exhaust device for marine. A. Barbour. No. 890,014; June 9; Sp. p. 1633; Dr. p. 365; Gaz. vol. 134; p. 1349.
 Motors, Operating induction-. R. H. Parker. No. 890,699; June 16; Sp. p. 3046; Dr. p. 669; Gaz. vol. 134; p. 1606.
 Motors, Platform for power-. A. Nacke. No. 901,025; Oct. 13; Sp. p. 2025; Dr. p. 411; Gaz. vol. 136; p. 1413.
 Motors, System for controlling one or more electric. H. H. Cutler. No. 903,177; Nov. 10; Sp. p. 1274; Gaz. vol. 137; p. 241.
 Motors, System for controlling one or more electric. H. H. Cutler. No. 903,178; Nov. 10; Sp. p. 1285; Gaz. vol. 137; p. 241.
 Motors, System for controlling the operation of electric. T. E. Barnum. No. 878,855; Feb. 11; Sp. p. 2016; Dr. p. 417; Gaz. vol. 132; p. 1198.
 Motors, System of control for electric. A. C. Eastwood. No. 881,387; Mar. 10; Sp. p. 1792; Dr. pp. 387-8; Gaz. vol. 133; p. 329.
 Motors, Tubular base for. J. F. Duryea and W. M. Remington. No. 885,231; Apr. 21; Sp. p. 3227; Dr. pp. 673-4; Gaz. vol. 133; p. 1761.
 Motors, Vaporizer for internal-combustion. F. Oberhänsli. No. 892,296; June 30; Sp. p. 6299; Dr. pp. 1356-7; Gaz. vol. 134; p. 2195.
 Motors, Winding for single-phase induction-. F. R. Kunkel. No. 896,217; Aug. 18; Sp. p. 2848; Dr. p. 613; Gaz. vol. 135; p. 1412.
 Mount. E. S. Cheney. No. 875,691; Jan. 7; Sp. p. 27; Dr. pp. 5-6; Gaz. vol. 132; p. 7.
 Mounting. L. F. Adt. No. 877,626; Jan. 28; Sp. p. 3992; Dr. p. 862; Gaz. vol. 132; p. 735.
 Mounting. G. W. Dover. No. 899,516; Sept. 29; Sp. p. 4478; Dr. p. 962; Gaz. vol. 136; p. 862.
 Mouse-trap. W. C. Hooker. No. 895,018; Aug. 4; Sp. p. 500; Dr. pp. 100-1; Gaz. vol. 135; p. 975.
 Mouth-organ. S. S. Barlow. No. 880,709; Mar. 3; Sp. p. 439; Dr. p. 92; Gaz. vol. 133; p. 77.
 Mouth-organ. P. Messner. No. 892,672; July 7; Sp. p. 545; Dr. p. 115; Gaz. vol. 135; p. 96.
 Mouth-prop. J. L. Gehorsam. No. 888,484; May 26; Sp. p. 4325; Dr. p. 915; Gaz. vol. 134; p. 793.
 Mouth-prop. R. S. Price. No. 892,682; July 7; Sp. p. 564; Dr. p. 119; Gaz. vol. 135; p. 99.
 Moving device. Z. A. Meredith. No. 895,570; Aug. 11; Sp. p. 1591; Dr. p. 336; Gaz. vol. 135; p. 1181.
 Moving piece. G. Fleischmann. No. 882,938; Mar. 24; Sp. p. 4878; Dr. p. 1036; Gaz. vol. 133; p. 897.
 Mower. W. W. and H. H. Hare. No. 876,637; Jan. 14; Sp. p. 1975; Dr. p. 429; Gaz. vol. 132; p. 350.
 Mower. O. C. and E. R. Weikel. No. 886,167; Apr. 28; Sp. p. 5136; Dr. p. 1080; Gaz. vol. 133; p. 2093.
 Mower. C. Lorenson. No. 886,226; Apr. 28; Sp. p. 5239; Dr. pp. 1103-4; Gaz. vol. 133; p. 2113.
 Mower. T. M. and R. W. Crepar. No. 887,592; May 12; Sp. p. 2560; Dr. p. 540; Gaz. vol. 134; p. 441.
 Mower. F. W. Gaefcke. No. 889,363; June 2; Sp. p. 337; Dr. pp. 78-9; Gaz. vol. 134; p. 1112.
 Mower. I. Gallagher. No. 891,684; June 23; Sp. p. 5095; Dr. p. 1100; Gaz. vol. 134; p. 1962.
 Mower. F. C. Horak. No. 899,490; Sept. 22; Sp. p. 4413; Dr. p. 947; Gaz. vol. 136; p. 817.
 Mower. J. H. Siegfried. No. 903,795; Nov. 10; Sp. p. 2526; Gaz. vol. 137; p. 441.
 Mower grass-catcher, Lawn-. M. T. Curran. No. 877,299; Jan. 21; Sp. p. 3328; Dr. p. 721; Gaz. vol. 132; p. 608.
 Mower grass-receptacle, Lawn-. D. G. Davis. No. 876,697; Jan. 14; Sp. p. 2088; Dr. p. 454; Gaz. vol. 132; p. 369.
 Mower grinder, Lawn-. P. H. Root. No. 908,142; Dec. 29; Sp. p. 6008; Gaz. vol. 137; p. 2089.
 Mower, Lawn-. J. G. Barri. No. 875,977; Jan. 7; Sp. p. 566; Dr. pp. 121-2; Gaz. vol. 132; p. 99.
 Mower, Lawn-. E. M. Stapleton. No. 876,665; Jan. 14; Sp. p. 2023; Dr. p. 441; Gaz. vol. 132; p. 359.
 Mower, Lawn-. A. B. Case. No. 880,628; Mar. 3; Sp. p. 282; Dr. p. 60; Gaz. vol. 133; p. 50.
 Mower, Lawn-. W. N. Merritt. No. 881,430; Mar. 10; Sp. p. 1871; Dr. p. 407; Gaz. vol. 133; p. 342.
 Mower, Lawn-. J. H. Frey. No. 884,651; Apr. 14; Sp. p. 2027; Dr. p. 433; Gaz. vol. 133; p. 1540.
 Mower, Lawn-. E. W. McGuire. No. 890,998; June 16; Sp. p. 3690; Dr. p. 804; Gaz. vol. 134; p. 1705.
 Mower, Lawn-. H. O. Secret. No. 891,867; June 30; Sp. p. 5471; Dr. p. 1181; Gaz. vol. 134; p. 2055.
 Mower, Lawn-. J. H. Holland. No. 894,887; Aug. 4; Sp. p. 183; Dr. p. 40; Gaz. vol. 135; p. 929.
 Mower, Lawn-. J. A. Swenson. No. 896,337; Aug. 18; Sp. p. 3100; Dr. p. 666; Gaz. vol. 135; p. 1450.
 Mower, Lawn-. J. C. Reimers. No. 898,925; Sept. 15; Sp. p. 3342; Dr. p. 717; Gaz. vol. 136; p. 608.
 Mower, Lawn-. W. E. Steuben. No. 900,443; Oct. 6; Sp. p. 783; Dr. p. 162; Gaz. vol. 136; p. 1196.
 Mower, Lawn-. F. Watson. No. 901,402; Oct. 20; Sp. p. 2793; Dr. p. 569; Gaz. vol. 136; p. 1571.
 Mower, Lawn-. J. Fisher. No. 907,138; Dec. 22; Sp. p. 3908; Gaz. vol. 137; p. 1726.
 Mower, Lawn-. D. G. Treat. No. 907,198; Dec. 22; Sp. p. 4032; Gaz. vol. 137; p. 1746.
 Mower, Lawn-. O. M. Keith and E. L. Early. No. 907,371; Dec. 22; Sp. p. 4379; Gaz. vol. 137; p. 1805.
 Mower reaping attachment. J. W. Fildmore. No. 882,164; Mar. 17; Sp. p. 3368; Dr. pp. 717-18; Gaz. vol. 133; p. 609.
 Mower-sharpening device, Lawn-. D. B. Kenney. No. 907,245; Dec. 22; Sp. p. 4148; Gaz. vol. 137; p. 1763.
 Mowers and harvesters, Attachment for cutter-bars of. H. Beyreis. No. 892,799; July 7; Sp. p. 796; Dr. p. 168; Gaz. vol. 135; p. 137.
 Mowers, Ball-bearing adjustment for lawn-. A. B. Case. No. 894,367; July 28; Sp. p. 4169; Dr. p. 861; Gaz. vol. 135; p. 733.
 Mowers, &c., Cutter-bar for. D. R. Glezen. No. 889,675; June 2; Sp. p. 960; Dr. pp. 221-2; Gaz. vol. 134; p. 1212.
 Mowers, Cutting apparatus for. W. J. Needham. No. 876,654; Jan. 14; Sp. p. 2007; Dr. p. 437; Gaz. vol. 132; p. 355.
 Mowers, Topper attachment for lawn-. J. W. Card. No. 887,461; May 12; Sp. p. 2300; Dr. p. 483; Gaz. vol. 134; p. 398.
 Mowing and raking machine. T. J. Thorp. No. 898,155; Sept. 8; Sp. p. 1878; Dr. pp. 401-2; Gaz. vol. 136; p. 327.
 Mowing-machine. J. L. Tomer. (Reissue.) No. 12,752; Feb. 18; Sp. p. 4015; Dr. p. 842; Gaz. vol. 132; p. 1560.
 Mowing-machine. G. W. Bacon. No. 880,771; Mar. 3; Sp. p. 575; Dr. p. 122; Gaz. vol. 133; p. 99.
 Mowing-machine. H. P. Johnson. No. 883,136; Mar. 24; Sp. p. 5258; Dr. p. 1123; Gaz. vol. 133; p. 961.
 Mowing-machine. C. W. Robinson. No. 883,748; Apr. 7; Sp. p. 133; Dr. pp. 24-5; Gaz. vol. 133; p. 1215.
 Mowing-machine attachment. F. S. Laffin. No. 877,652; Jan. 28; Sp. p. 4032; Dr. p. 871; Gaz. vol. 132; p. 743.
 Mowing machine, Lawn-. E. M. Mitchell. No. 892,536; July 7; Sp. p. 280; Dr. p. 61; Gaz. vol. 135; p. 52.
 Mowing-machine tedder attachment. W. T. Fiers and L. Manor. No. 898,859; Sept. 15; Sp. p. 3220; Dr. p. 690; Gaz. vol. 136; p. 586.
 Mowing-machines, Fastening device for knife-beams of. W. Minte. No. 896,033; Aug. 11; Sp. p. 2517; Dr. p. 547; Gaz. vol. 135; p. 1311.
 Mud-eraser. E. M. Eliason. No. 905,161; Dec. 1; Sp. p. 75; Gaz. vol. 137; p. 995.
 Mud-guard. R. E. Robeson and F. F. Schauweker. No. 896,580; Aug. 18; Sp. p. 3580; Dr. p. 771; Gaz. vol. 135; p. 1529.
 Mud-guard. W. D. Snowman. No. 904,654; Nov. 24; Sp. p. 4357; Gaz. vol. 137; p. 791.
 Mud-guns, Mounting for. A. J. Bryant. No. 892,219; June 30; Sp. p. 6153; Dr. p. 1325; Gaz. vol. 134; p. 2169.
 Muffler. W. L. Gee. No. 877,840; Jan. 28; Sp. p. 4376; Dr. p. 952; Gaz. vol. 132; p. 803.
 Muffler. J. C. Scott. No. 885,872; Apr. 28; Sp. p. 4533; Dr. p. 951; Gaz. vol. 133; p. 1997.
 Muffler. C. J. Gustafson. No. 888,489; May 26; Sp. p. 4334; Dr. p. 917; Gaz. vol. 134; p. 794.
 Muffler. B. W. Snow. No. 895,697; Aug. 11; Sp. p. 1837; Dr. p. 391; Gaz. vol. 135; p. 1222.
 Muffler, Combination-. L. Abraham. No. 905,270; Dec. 1; Sp. p. 288; Gaz. vol. 137; p. 1033.
 Muffler cut-out. W. G. Schaeffer. No. 880,471; Feb. 25; Sp. p. 5329; Dr. p. 1121; Gaz. vol. 132; p. 1801.

Alphabetical list of inventions—Continued.

- Muffler, Ear-. T. H. Sherman. No. 889,640; June 2; Sp. p. 878; Dr. p. 201; Gaz. vol. 134; p. 1202.
Muffler, Exhaust-. A. Pratt. No. 879,583; Feb. 18; Sp. p. 3484; Dr. p. 730; Gaz. vol. 132; p. 1475.
Muffler, Exhaust-. J. M. Porter, J. F. Laird, and A. H. Geilfuss. No. 901,371; Oct. 20; Sp. p. 2701; Dr. pp. 554-5; Gaz. vol. 136; p. 1559.
Muffler for explosive-engines. H. S. Powell. No. 877,860; Jan. 28; Sp. p. 4413; Dr. p. 961; Gaz. vol. 132; p. 809.
Muffler or protector. J. E. Harrison. No. 891,166; June 16; Sp. p. 3987; Dr. p. 875; Gaz. vol. 134; p. 1758.
Mug, Shaving-. T. D. McKown. No. 898,773; Sept. 15; Sp. p. 3071; Dr. p. 657; Gaz. vol. 136; p. 558.
Multiphase systems, Regulation for. E. Schildhauer and A. A. Radtke. No. 894,539; July 28; Sp. p. 4502; Dr. pp. 933-4; Gaz. vol. 135; p. 789.
Multiphone. K. M. Turner. No. 893,286; July 14; Sp. p. 1820; Dr. p. 382; Gaz. vol. 135; p. 328.
Multiple cluster-socket. C. D. Gervin. No. 894,826; Aug. 4; Sp. p. 53; Dr. p. 11; Gaz. vol. 135; p. 909.
Multiple-cylinder engine. F. L. Chase and B. M. Young. No. 877,294; Jan. 21; Sp. p. 3312; Dr. pp. 717-18; Gaz. vol. 132; p. 606.
Multiple-cylinder engine. F. X. Bache and J. C. L. Krebs. No. 880,958; Mar. 3; Sp. p. 951; Dr. pp. 205-6; Gaz. vol. 133; p. 160.
Multiple drill. G. T. Reiss. No. 883,481; Mar. 31; Sp. p. 5996; Dr. p. 1279; Gaz. vol. 133; p. 1105.
Multiple-expansion engine. A. G. Stokes. No. 892,017; June 30; Sp. p. 5764; Dr. p. 1239; Gaz. vol. 134; p. 2103.
Multiple switch, Series-. H. R. Sargent. No. 887,527; May 12; Sp. p. 2448; Dr. p. 516; Gaz. vol. 134; p. 421.
Multiplex press. J. Clipfel. No. 900,147; Oct. 6; Sp. p. 154; Dr. p. 32; Gaz. vol. 136; p. 1098.
Multiply material, Apparatus for forming. J. J. Hinde. No. 905,076; Nov. 24; Sp. p. 5213; Gaz. vol. 137; p. 931.
Multispindle-machine. G. O. Gridley. No. 904,866; Nov. 24; Sp. p. 4821; Gaz. vol. 137; p. 862.
Multitubular boiler. C. Bourdon. No. 880,189; Feb. 25; Sp. p. 4744; Dr. p. 1004; Gaz. vol. 132; p. 1706.
Music-box. E. P. Riessner. No. 878,088; Feb. 4; Sp. p. 395; Dr. pp. 82-3; Gaz. vol. 132; p. 912.
Music-box. O. Glass. No. 895,450; Aug. 11; Sp. p. 1350; Dr. pp. 284-5; Gaz. vol. 135; p. 1141.
Music-cabinet. L. Schram and D. Kies. No. 886,017; Apr. 23; Sp. p. 4857; Dr. p. 1021; Gaz. vol. 133; p. 2046.
Music chart or table. L. R. Lewis. No. 879,394; Feb. 18; Sp. p. 3070; Dr. p. 638; Gaz. vol. 132; p. 1412.
Music, Device for assisting in teaching and writing. C. E. Pomeroy. No. 900,201; Oct. 6; Sp. p. 271; Dr. p. 54; Gaz. vol. 136; p. 1116.
Music-holder. E. P. Dorward. No. 876,303; Jan. 7; Sp. p. 1222; Dr. p. 266; Gaz. vol. 132; p. 204.
Music-holder and leaf-turner. A. E. Kerfoot. No. 889,021; May 26; Sp. p. 5432; Dr. p. 1154; Gaz. vol. 134; p. 970.
Music-indicator. W. E. Thrash. No. 877,259; Jan. 21; Sp. p. 3253; Dr. p. 704; Gaz. vol. 132; p. 596.
Music-indicator. F. E. Hobart. No. 877,339; Jan. 21; Sp. p. 3398; Dr. p. 737; Gaz. vol. 132; p. 620.
Music-ladder for teaching notes, Mechanical. L. A. Jaros. No. 887,811; May 19; Sp. p. 3006; Dr. p. 632; Gaz. vol. 134; p. 545.
Music-leaf turner. L. R. Stanton. No. 875,744; Jan. 7; Sp. p. 129; Dr. p. 29; Gaz. vol. 132; p. 26.
Music-leaf turner. E. P. Dorward. No. 876,781; Jan. 14; Sp. p. 2225; Dr. pp. 489-90; Gaz. vol. 132; p. 395.
Music-leaf turner. A. I. Mercer. No. 880,032; Feb. 25; Sp. p. 4428; Dr. pp. 929-30; Gaz. vol. 132; p. 1654.
Music-leaf turner. R. Langstaff. No. 881,807; Mar. 10; Sp. p. 2606; Dr. pp. 559-60; Gaz. vol. 133; p. 464.
Music-leaf turner. H. H. West. No. 882,036; Mar. 17; Sp. p. 3123; Dr. p. 664; Gaz. vol. 133; p. 568.
Music-leaf turner. H. Varde. No. 886,096; Apr. 28; Sp. p. 5002; Dr. pp. 1052-3; Gaz. vol. 133; p. 2071.
Music-leaf turner. A. H. Lamb. No. 887,334; May 12; Sp. p. 2043; Dr. p. 427; Gaz. vol. 134; p. 357.
Music-leaf turner. F. R. Harman. No. 887,629; May 12; Sp. p. 2635; Dr. p. 555; Gaz. vol. 134; p. 454.
Music-leaf turner. C. Hughes. No. 888,897; May 26; Sp. p. 5209; Dr. p. 1105; Gaz. vol. 134; p. 932.
Music-leaf turner. G. W. Hendricks. No. 890,768; June 16; Sp. p. 3212; Dr. p. 702; Gaz. vol. 134; p. 1630.
Music-leaf turner. I. T. German. No. 891,056; June 16; Sp. p. 3798; Dr. p. 829; Gaz. vol. 134; p. 1724.
Music-leaf turner. F. J. Lindeman. No. 891,086; June 16; Sp. p. 3841; Dr. p. 840; Gaz. vol. 134; p. 1733.
Music-leaf turner. R. P. Sessemann. No. 891,106; June 16; Sp. p. 3873; Dr. p. 847; Gaz. vol. 134; p. 1738.
Music-leaf turner. R. E. Ebersole. No. 891,681; June 23; Sp. p. 5090; Dr. p. 1098; Gaz. vol. 134; p. 1961.
Music-leaf turner. J. H. Buettner. No. 893,437; July 14; Sp. p. 2117; Dr. p. 444; Gaz. vol. 135; p. 376.
Music-leaf turner. W. B. Coleman. No. 895,967; Aug. 11; Sp. p. 2388; Dr. p. 511; Gaz. vol. 135; p. 1309.
Music-leaf turner. D. P. Banfill. No. 896,609; Aug. 18; Sp. p. 3632; Dr. pp. 780-1; Gaz. vol. 135; p. 1539.
Music-leaf turner. A. P. Hildebrandt. No. 897,534; Sept. 1; Sp. p. 605; Dr. pp. 126-7; Gaz. vol. 136; p. 95.
Music-leaf turner. J. W. Albin. No. 899,938; Sept. 29; Sp. p. 5381; Dr. p. 1148; Gaz. vol. 136; p. 999.
Music-leaf turner. J. Havlina. No. 902,877; Nov. 3; Sp. p. 704; Gaz. vol. 137; p. 117.
Music-leaf turner. W. J. Thillen. No. 904,901; Nov. 24; Sp. p. 4891; Gaz. vol. 137; p. 873.
Music-leaf turner. E. E. Downes. No. 905,412; Dec. 1; Sp. p. 565; Gaz. vol. 137; p. 1080.
Music-leaf turner. J. Wyatt. No. 907,214; Dec. 22; Sp. p. 4070; Gaz. vol. 137; p. 1751.
Music-leaf turner, Automatic. A. J. Swanson. No. 896,480; Aug. 18; Sp. p. 3393; Dr. p. 730; Gaz. vol. 135; p. 1498.
Music-notation. J. A. Shires. No. 881,085; Mar. 3; Sp. p. 1184; Dr. p. 256; Gaz. vol. 133; p. 201.
Music-player action-valve, Automatic self-adjusting pneumatic-. E. B. Hough. No. 894,007; July 21; Sp. p. 3396; Dr. p. 694; Gaz. vol. 135; p. 593.
Music-players, Endless-roll mechanism for pneumatic. E. B. Hough. No. 893,927; July 21; Sp. p. 3224; Dr. pp. 664-5; Gaz. vol. 135; p. 567.
Music-players, Means for controlling the expression of automatic. G. P. Brand. No. 887,376; May 12; Sp. p. 2140; Dr. pp. 448-9; Gaz. vol. 134; p. 370.
Music-playing instrument. W. R. Crippen. No. 896,517; Aug. 18; Sp. p. 3477; Dr. p. 746; Gaz. vol. 135; p. 1510.
Music-playing instrument, Autopneumatic. F. C. White. No. 888,559; May 26; Sp. p. 4474; Dr. p. 947; Gaz. vol. 134; p. 820.
Music-playing instrument, Autopneumatic. W. R. Crippen. No. 893,710; July 21; Sp. p. 2691; Dr. pp. 564-5; Gaz. vol. 135; p. 494.
Music-playing instruments, Perforated note-sheet for automatic. M. Clark. No. 889,905; June 9; Sp. p. 1405; Dr. p. 319; Gaz. vol. 134; p. 1312.
Music-playing mechanisms, Modulation-indicator for automatic. W. S. Denton. No. 884,135; Apr. 7; Sp. p. 988; Dr. p. 206; Gaz. vol. 133; p. 1344.
Music-rack. J. P. Sessemann. No. 895,049; Aug. 4; Sp. p. 552; Dr. p. 113; Gaz. vol. 135; p. 984.
Music-rack. A. De Long, Sr. No. 898,343; Sept. 15; Sp. p. 3197; Dr. pp. 684-5; Gaz. vol. 136; p. 581.
Music, Receptacle or case for containing rolls of perforated. J. T. Sibley. No. 905,242; Dec. 1; Sp. p. 236; Gaz. vol. 137; p. 1024.
Music-recorder. W. Heilbrunn, S. Blüth, and W. Pape. No. 884,580; Apr. 14; Sp. p. 1843; Dr. pp. 395-6; Gaz. vol. 133; p. 1517.
Music-roll and apparatus to be used in connection therewith. H. P. Ball. No. 901,275; Oct. 13; Sp. p. 2486; Dr. p. 509; Gaz. vol. 136; p. 1491.
Music-roll container, Perforated-. J. B. Gathright. No. 882,557; Mar. 24; Sp. p. 4106; Dr. p. 870; Gaz. vol. 133; p. 771.
Music-roll-marking device. P. Wuest, Jr. No. 888,290; May 19; Sp. p. 3920; Dr. p. 825; Gaz. vol. 134; p. 700.
Music-roll-perforating mechanism. H. Walker. No. 908,175; Dec. 29; Sp. p. 6079; Gaz. vol. 137; p. 2100.
Music-sheet. C. E. Peck. No. 881,337; Mar. 10; Sp. p. 1682; Dr. pp. 362-3; Gaz. vol. 133; p. 313.
Music-sheet. H. Pierce. No. 899,470; Sept. 22; Sp. p. 4375; Dr. p. 939; Gaz. vol. 136; p. 810.
Music, Sheet-. W. C. Smith. No. 885,192; Apr. 21; Sp. p. 3140; Dr. p. 659; Gaz. vol. 133; p. 1748.
Music sheet, Combination vocal and instrumental. F. B. Beinkamp and L. L. Harding. No. 897,340; Sept. 1; Sp. p. 187; Dr. p. 40; Gaz. vol. 136; p. 28.
Music-sheet, Perforated. H. K. Sandell. No. 897,021; Aug. 25; Sp. p. 4542; Dr. pp. 970-1; Gaz. vol. 135; p. 1698.
Music-sheet-perforating device. T. M. Farley. No. 903,963; Nov. 17; Sp. p. 2902; Gaz. vol. 137; p. 530.
Music-sheet turner. R. L. Kennon, Jr. No. 884,167; Apr. 7; Sp. p. 1053; Dr. pp. 219-20; Gaz. vol. 133; p. 1354.
Music-sheet turner. F. Lowe. No. 885,852; Apr. 28; Sp. p. 4496; Dr. pp. 944-5; Gaz. vol. 133; p. 1991.
Music-sheets, Adjustable spool for. E. De Kleist and F. L. McCormick. No. 899,993; Sept. 29; Sp. p. 5493; Dr. p. 1170; Gaz. vol. 136; p. 1017.
Music-sheets, Machine for making perforated. F. L. Wood. No. 886,455; May 5; Sp. p. 220; Dr. p. 47; Gaz. vol. 134; p. 42.
Music-sheets. Spool for. G. H. Davis. No. 893,571; July 14; Sp. p. 2429; Dr. p. 505; Gaz. vol. 135; p. 420.
Music-sheets, Winding and rewinding mechanism for perforated. F. W. Draper. No. 889,914; June 9; Sp. p. 1430; Dr. p. 323; Gaz. vol. 134; p. 1315.
Music-strip-punching apparatus. C. J. Bunge. No. 899,238; Sept. 22; Sp. p. 3953; Dr. pp. 842-4; Gaz. vol. 136; p. 738.
Music students, Chart for. C. H. Caldwell. No. 886,037; Apr. 28; Sp. p. 4901; Dr. pp. 1030-1; Gaz. vol. 133; p. 2052.
Music, System of instruction in the pronunciation of foreign words in vocal. C. Thurwanger. No. 887,151; May 12; Sp. p. 1605; Dr. p. 341; Gaz. vol. 134; p. 295.
Music, System of instruction in the pronunciation of foreign words in vocal. C. Thurwanger. (Reissue.) No. 12,839; Aug. 4; Sp. p. 1267; Dr. p. 267; Gaz. vol. 135; p. 1106.
Music-turner. A. J. Thompson. No. 885,546; Apr. 21; Sp. p. 3864; Dr. pp. 808-9; Gaz. vol. 133; p. 1861.
Music-turner. H. Guth. No. 893,486; July 14; Sp. p. 2227; Dr. pp. 467-8; Gaz. vol. 135; p. 392.
Music-turner. J. H. Collier. No. 901,421; Oct. 20; Sp. p. 2534; Dr. p. 579; Gaz. vol. 136; p. 1578.
Music turner and holder, Automatic sheet-. H. F. Shipley. No. 886,425; May 5; Sp. p. 167; Dr. p. 35; Gaz. vol. 134; p. 32.
Music turner, Sheet-. P. G. Lewis. No. 880,546; Mar. 3; Sp. p. 105; Dr. pp. 23-4; Gaz. vol. 133; p. 21.
Music turner, Sheet-. J. T. Stapleton. No. 898,149; Sept. 8; Sp. p. 1870; Dr. p. 399; Gaz. vol. 136; p. 825.

Alphabetical list of inventions—Continued.

- Music turner, Sheet-. J. S. Myers. No. 899,459; Sept. 22; Sp. p. 4353; Dr. p. 934; Gaz. vol. 136; p. 806.
- Musical-winding roll for perforated music-sheets. G. E. Mack. No. 897,383; Sept. 1; Sp. p. 294; Dr. p. 60; Gaz. vol. 136; p. 45.
- Musical-device pneumatic apparatus. R. A. Gally. No. 891,801; June 23; Sp. p. 5320; Dr. p. 1151; Gaz. vol. 134; p. 2002.
- Musical-device pneumatic apparatus. R. A. Gally. No. 893,579; July 14; Sp. p. 2440; Dr. p. 508; Gaz. vol. 135; p. 422.
- Musical-device wind-inducing apparatus. R. A. Gally. No. 891,685; June 23; Sp. p. 5096; Dr. p. 1100; Gaz. vol. 134; p. 1962.
- Musical instrument. W. F. Fletcher. No. 884,806; Apr. 14; Sp. p. 2343; Dr. p. 493; Gaz. vol. 133; p. 1593.
- Musical instrument. O. H. Newman. No. 890,296; June 3; Sp. p. 2239; Dr. p. 492; Gaz. vol. 134; p. 1443.
- Musical instrument. O. H. Newman. No. 890,297; June 9; Sp. p. 2241; Dr. p. 492; Gaz. vol. 134; p. 1444.
- Musical instrument. A. Sorglechner. No. 892,908; July 7; Sp. p. 1046; Dr. pp. 219-20; Gaz. vol. 135; p. 173.
- Musical instrument. I. F. Gilmore. No. 903,968; Nov. 17; Sp. p. 2912; Gaz. vol. 137; p. 533.
- Musical-instrument attachment, Keyed-. J. Parduba. No. 895,107; Aug. 4; Sp. p. 670; Dr. pp. 140-1; Gaz. vol. 135; p. 1005.
- Musical instrument, Automatic. A. A. Rose. No. 877,125; Jan. 21; Sp. p. 2972; Dr. p. 642; Gaz. vol. 132; p. 550.
- Musical instrument, Automatic. B. A. Hoglund. No. 881,318; Mar. 10; Sp. p. 1650; Dr. p. 354; Gaz. vol. 133; p. 308.
- Musical instrument, Automatic. S. A. Swanson. No. 893,280; July 14; Sp. p. 1805; Dr. pp. 379-80; Gaz. vol. 135; p. 325.
- Musical instrument, Automatic. R. B. Fowler. No. 896,905; Aug. 25; Sp. p. 4259; Dr. p. 911; Gaz. vol. 135; p. 1658.
- Musical instrument, Bowed. E. H. Amet. No. 893,771; July 21; Sp. p. 2910; Dr. p. 596; Gaz. vol. 135; p. 517.
- Musical instrument, Double-scale pneumatic. T. Danquard. No. 902,481; Oct. 27; Sp. p. 5058; Dr. p. 1023; Gaz. vol. 136; p. 1953.
- Musical instrument, Enharmonic. J. Heffernan. No. 904,325; Nov. 17; Sp. p. 3685; Gaz. vol. 137 p. 655.
- Musical-instrument hand-support. D. E. Hartnett. No. 896,826; Aug. 25; Sp. p. 4101; Dr. p. 881; Gaz. vol. 135; p. 1632.
- Musical-instrument key, Stringed-. J. T. Stanning. No. 895,210; Aug. 4; Sp. p. 876; Dr. p. 184; Gaz. vol. 135; p. 1040.
- Musical-instrument keyboard. J. C. Hofbauer. No. 875,815; Jan. 7; Sp. p. 262; Dr. p. 57; Gaz. vol. 132; p. 49.
- Musical instrument, Mechanical. J. A. Weser. No. 877,027; Jan. 21; Sp. p. 2770; Dr. p. 599; Gaz. vol. 132; p. 518.
- Musical instrument, Mechanical. J. McTammany and E. A. Ford. No. 878,150; Feb. 4; Sp. p. 502; Dr. pp. 107-8; Gaz. vol. 132; p. 932.
- Musical instrument, Mechanical. C. Maerten, Jr. No. 888,830; May 26; Sp. p. 5049; Dr. p. 1078; Gaz. vol. 134; p. 907.
- Musical instrument, Mechanical. P. J. Meahl. No. 889,029; May 26; Sp. p. 5445; Dr. p. 1157; Gaz. vol. 134; p. 972.
- Musical instrument, Mechanical. G. B. Kelly. No. 891,550; June 23; Sp. p. 4795; Dr. p. 1037; Gaz. vol. 134; p. 1917.
- Musical instrument, Mechanical. R. J. Prettie. No. 893,263; July 14; Sp. p. 1772; Dr. p. 373; Gaz. vol. 135; p. 320.
- Musical instrument, Mechanical. A. E. Whitehead. No. 897,331; Sept. 1; Sp. p. 157; Dr. pp. 32-3; Gaz. vol. 136; p. 24.
- Musical instrument, Mechanically-operated. E. H. Klaber. No. 877,721; Jan. 28; Sp. p. 4158; Dr. pp. 900-1; Gaz. vol. 132; p. 764.
- Musical-instrument mechanisms, Controlling device for. P. B. Klugh. No. 893,736; July 21; Sp. p. 2836; Dr. p. 583; Gaz. vol. 135; p. 504.
- Musical instrument of the accordion type. A. J. Engelmann. No. 884,373; Apr. 14; Sp. p. 1440; Dr. p. 307; Gaz. vol. 133; p. 1450.
- Musical instrument or player, Automatic. H. R. Edgecomb. No. 899,295; Sept. 22; Sp. p. 4067; Dr. p. 869; Gaz. vol. 136; p. 755.
- Musical-instrument player, Mechanical. B. A. Hoglund. No. 877,080; Jan. 21; Sp. p. 2866; Dr. p. 619; Gaz. vol. 132; p. 534.
- Musical-instrument players, Valve for pneumatic-. L. D. Perry. No. 907,642; Dec. 22; Sp. p. 4965; Gaz. vol. 137; p. 1894.
- Musical instrument, Pneumatic. E. de Kleist. No. 877,203; Jan. 21; Sp. p. 3135; Dr. p. 680; Gaz. vol. 132; p. 677.
- Musical instrument, Pneumatic mechanical. G. P. Brand. No. 895,235; Aug. 4; Sp. p. 920; Dr. pp. 195-6; Gaz. vol. 135; p. 1048.
- Musical instrument, Pneumatically-operated. T. P. Brown. No. 882,623; Mar. 24; Sp. p. 4242; Dr. p. 899; Gaz. vol. 133; p. 793.
- Musical instrument, Revolving. F. L. Brzinsky and J. E. De Gette. No. 891,204; June 16; Sp. p. 4067; Dr. p. 892; Gaz. vol. 134; p. 1770.
- Musical instrument, Self-playing. W. J. Publow. No. 897,656; Sept. 1; Sp. p. 836; Dr. p. 176; Gaz. vol. 136; p. 134.
- Musical-instrument sound-board, Stringed-. R. Oppitz. No. 880,692; Mar. 3; Sp. p. 396; Dr. p. 86; Gaz. vol. 133; p. 71.
- Musical instrument, String. O. G. J. Koch. No. 893,632; July 21; Sp. p. 2559; Dr. p. 534; Gaz. vol. 135; p. 470.
- Musical instrument, Stringed. W. D. Bohnenberger. No. 876,430; Jan. 14; Sp. p. 1499; Dr. p. 322; Gaz. vol. 132; p. 277.
- Musical instrument, Stringed. P. Johnson. No. 878,006; Feb. 4; Sp. p. 219; Dr. p. 48; Gaz. vol. 132; p. 886.
- Musical instrument, Stringed. H. Müller and J. Stein. No. 883,222; Mar. 31; Sp. p. 5442; Dr. p. 1159; Gaz. vol. 133; p. 1020.
- Musical instrument, Stringed. C. S. Weber. No. 888,372; May 19; Sp. p. 4073; Dr. p. 858; Gaz. vol. 134; p. 725.
- Musical instrument, Stringed. H. L. Suter. No. 888,939; May 26; Sp. p. 5283; Dr. pp. 1120-2; Gaz. vol. 134; p. 945.
- Musical instrument, Stringed. O. L. Gesell. No. 892,718; July 7; Sp. p. 640; Dr. p. 136; Gaz. vol. 135; p. 111.
- Musical instrument, Stringed. F. Nusekabel. No. 895,189; Aug. 4; Sp. p. 824; Dr. p. 173; Gaz. vol. 135; p. 1031.
- Musical instrument, Stringed. C. B. Gillespie. No. 906,407; Dec. 8; Sp. p. 2511; Gaz. vol. 137; p. 1432.
- Musical instrument, Stringed. P. L. Cayton. No. 906,612; Dec. 15; Sp. p. 2892; Gaz. vol. 137; p. 1523.
- Musical instrument, Stringed. S. W. Buercklin. No. 907,679; Dec. 22; Sp. p. 5063; Gaz. vol. 137; p. 1937.
- Musical-instrument strings, Device for stretching. J. W. Van Houten. No. 881,269; Mar. 10; Sp. p. 1547; Dr. p. 333; Gaz. vol. 133; p. 291.
- Musical instruments, Action for keyboard stringed. P. Bissing. No. 899,096; Sept. 22; Sp. p. 3659; Dr. p. 784; Gaz. vol. 136; p. 690.
- Musical instruments, Adjustable support for music-rolls for automatic. C. Freborg. No. 888,395; May 19; Sp. p. 4114; Dr. p. 868; Gaz. vol. 134; p. 732.
- Musical instruments, Air-pressure regulator for pneumatically-operated. J. Courville. No. 905,659; Dec. 1; Sp. p. 1089; Gaz. vol. 137; p. 1159.
- Musical instruments, Attachment for levers for automatic-playing. L. Blasius. No. 875,887; Jan. 7; Sp. p. 393; Dr. p. 86; Gaz. vol. 132; p. 72.
- Musical instruments, Automatic pressure-regulator for pneumatic actions of. F. W. Draper. No. 892,033; June 30; Sp. p. 5787; Dr. p. 1245; Gaz. vol. 134; p. 2107.
- Musical instruments, Autopneumatic motor for self-playing. J. W. Darley, Jr. No. 902,382; Oct. 27; Sp. p. 4837; Dr. p. 978; Gaz. vol. 136; p. 1920.
- Musical instruments, Balanced swell for. S. W. Clark. No. 888,307; May 19; Sp. p. 3948; Dr. p. 831; Gaz. vol. 134; p. 705.
- Musical instruments, Bellows for automatic. M. Clark. No. 879,738; Feb. 18; Sp. p. 3800; Dr. p. 797; Gaz. vol. 132; p. 1525.
- Musical instruments, Cover for controlling devices of mechanical. P. B. Klugh. No. 903,294; Nov. 10; Sp. p. 1516; Gaz. vol. 137; p. 279.
- Musical instruments, Device for use in tuning. N. Bryant. No. 906,608; Dec. 15; Sp. p. 2882; Gaz. vol. 137; p. 1522.
- Musical instruments, Differential valve for pneumatically-controlled. P. Welin. No. 889,165; May 26; Sp. p. 5744; Dr. p. 1215; Gaz. vol. 134; p. 1018.
- Musical instruments, Duplex tracker-board for automatic. M. Clark. No. 884,366; Apr. 14; Sp. p. 1419; Dr. p. 304; Gaz. vol. 133; p. 1448.
- Musical instruments, Expression device for keyboard. J. W. Darley, Jr. No. 881,464; Mar. 10; Sp. p. 1938; Dr. p. 422; Gaz. vol. 133; p. 354.
- Musical instruments, Expression device for pneumatic. E. De Kleist. No. 887,199; May 12; Sp. p. 1689; Dr. p. 359; Gaz. vol. 134; p. 310.
- Musical instruments, Expression device for pneumatic. E. De Kleist. No. 889,467; June 2; Sp. p. 569; Dr. p. 133; Gaz. vol. 134; p. 1147.
- Musical instruments, Friction-shoe for self-playing. I. B. Smith. No. 890,188; June 9; Sp. p. 1997; Dr. p. 440; Gaz. vol. 134; p. 1408.
- Musical instruments, Key-striking mechanism for. F. L. Young. No. 882,920; Mar. 24; Sp. p. 4838; Dr. p. 1026; Gaz. vol. 133; p. 890.
- Musical instruments, Means for opening and closing panels of. W. J. Keeley. No. 875,823; Jan. 7; Sp. p. 275; Dr. p. 60; Gaz. vol. 132; p. 51.
- Musical instruments, Motor-action for self-playing. L. B. Doman. No. 900,496; Oct. 6; Sp. p. 920; Dr. p. 187; Gaz. vol. 136; p. 1212.
- Musical instruments, Motor for music-rolls of pneumatic. B. A. Hoglund. No. 881,402; Mar. 10; Sp. p. 1818; Dr. p. 393; Gaz. vol. 133; p. 333.
- Musical instruments, Note-sheet-feed mechanism for. W. E. Cleveland. No. 888,587; May 26; Sp. p. 4525; Dr. p. 960; Gaz. vol. 134; p. 829.
- Musical instruments, Note-sheet for automatic. I. B. Smith. No. 875,858; Jan. 7; Sp. p. 334; Dr. p. 74; Gaz. vol. 132; p. 62.
- Musical instruments, Pedal-actuated stop mechanism for. R. S. Hill. No. 888,400; May 19; Sp. p. 4124; Dr. p. 870; Gaz. vol. 134; p. 734.
- Musical instruments, Pedal connection for. O. Dreger. No. 876,443; Jan. 14; Sp. p. 1529; Dr. p. 329; Gaz. vol. 132; p. 282.
- Musical instruments, Pedal mechanism for. A. F. Larson. No. 886,377; May 5; Sp. p. 70; Dr. p. 14; Gaz. vol. 134; p. 16.
- Musical instruments, Pianissimo device for. I. B. Smith. No. 877,003; Jan. 28; Sp. p. 3940; Dr. p. 852; Gaz. vol. 132; p. 727.
- Musical instruments, Playing attachment for. G. B. Kelly and F. L. Wood. No. 902,663; Nov. 3; Sp. p. 253; Gaz. vol. 137; p. 43.
- Musical instruments, Pneumatic action for. C. Maerten, Jr. No. 879,110; Feb. 11; Sp. p. 2510; Dr. p. 521; Gaz. vol. 132; p. 1278.
- Musical instruments, Pneumatic action for. T. Danquard. No. 889,445; June 2; Sp. p. 509; Dr. pp. 120-1; Gaz. vol. 134; p. 1140.
- Musical instruments, Pneumatic action for. E. A. Steel. No. 894,546; July 28; Sp. p. 4530; Dr. p. 938; Gaz. vol. 135; p. 791.
- Musical instruments, Pneumatic action for. J. P. Caulfield. No. 901,068; Oct. 13; Sp. p. 2099; Dr. p. 427; Gaz. vol. 136; p. 1426.
- Musical instruments, Pneumatic action for. M. S. Wright. No. 901,273; Oct. 13; Sp. p. 2473; Dr. p. 508; Gaz. vol. 136; p. 1490.
- Musical instruments, Pneumatic action for mechanical. B. A. Hoglund. No. 881,403; Mar. 10; Sp. p. 1820; Dr. p. 394; Gaz. vol. 133; p. 334.
- Musical instruments, Pneumatic for keyboard. R. H. McHardy. No. 890,694; June 16; Sp. p. 3041; Gaz. vol. 134; p. 1605.
- Musical instruments, Pneumatic for keyboard. R. H. McHardy. No. 894,847; Aug. 4; Sp. p. 87; Dr. p. 18; Gaz. vol. 135; p. 915.

Alphabetical list of inventions—Continued.

- Musical instruments, Pneumatic for mechanical. A. G. Gulbransen. No. 891,930; June 30; Sp. p. 5590; Dr. p. 1205; Gaz. vol. 134; p. 2076.
- Musical instruments, Regulation of tone in mechanical. L. Hupfeld. No. 877,082; Jan. 21; Sp. p. 2870; Dr. p. 619; Gaz. vol. 132; p. 535.
- Musical instruments, Rhythm-indicator for mechanical. P. Wuest, Jr. No. 875,974; Jan. 7; Sp. p. 562; Dr. p. 121; Gaz. vol. 132; p. 98.
- Musical instruments, Sectional modulating attachment for. W. J. Keeley. No. 902,536; Oct. 27; Sp. p. 5201; Dr. p. 1050; Gaz. vol. 136; p. 1973.
- Musical instruments, Speed-regulator for automatic. E. De Kleist. No. 889,466; June 2; Sp. p. 566; Dr. p. 132; Gaz. vol. 134; p. 1147.
- Musical instruments, Supporting means for swinging parts of. A. E. Turnquist. No. 893,764; July 21; Sp. p. 2898; Dr. p. 595; Gaz. vol. 135; p. 514.
- Musical instruments, Tempo device for mechanical. J. O'Connor. No. 876,080; Jan. 7; Sp. p. 775; Dr. p. 166; Gaz. vol. 132; p. 131.
- Musical instruments, Tempo-regulating device for mechanical. J. Sampere. No. 906,743; Dec. 15; Sp. p. 3145; Gaz. vol. 137; p. 1565.
- Musical instruments, Tracker-board for. C. Maerten, Jr. No. 890,288; June 9; Sp. p. 2221; Dr. p. 489; Gaz. vol. 134; p. 1440.
- Musical instruments, Tracker or bridge for self-playing. L. H. Maier. No. 883,728; Apr. 7; Sp. p. 96; Dr. p. 16; Gaz. vol. 133; p. 1208.
- Musical key instruments, Playing attachment for. A. T. Chester. No. 886,348; May 5; Sp. p. 19; Dr. p. 5; Gaz. vol. 134; p. 6.
- Musical-record holder. G. G. Lindstrom and J. Wallin. No. 879,279; Feb. 18; Sp. p. 2832; Dr. p. 593; Gaz. vol. 132; p. 1375.
- Musical scales, Device for illustrating the transposition of. L. A. Jaros. No. 876,060; Jan. 7; Sp. p. 722; Dr. p. 154; Gaz. vol. 132; p. 125.
- Musical valve instrument. A. Riedl. No. 879,322; Feb. 18; Sp. p. 2924; Dr. p. 610; Gaz. vol. 132; p. 1389.
- Musical wind instrument. J. A. Halloway. No. 902,290; Oct. 27; Sp. p. 4642; Dr. p. 941; Gaz. vol. 136; p. 1890.
- Mustard-dispenser. G. W. Dressel. No. 908,219; Dec. 29; Sp. p. 6195; Gaz. vol. 137; p. 2117.
- Mutograph. F. C. Newell. No. 891,949; June 30; Sp. p. 5641; Dr. pp. 1216-17; Gaz. vol. 134; p. 2082.
- Nail. W. Horner. No. 886,980; May 5; Sp. p. 1274; Dr. p. 269; Gaz. vol. 134; p. 212.
- Nail. H. W. Diers. No. 895,846; Aug. 11; Sp. p. 2152; Dr. p. 457; Gaz. vol. 135; p. 1271.
- Nail-cabinet. J. D. Leen. No. 895,095; Aug. 4; Sp. p. 637; Dr. p. 132; Gaz. vol. 135; p. 1000.
- Nail-clipper. H. Wilcox. No. 898,808; Sept. 15; Sp. p. 3131; Dr. p. 671; Gaz. vol. 136; p. 569.
- Nail-clipper and cigar-cutter. J. C. Pettibone. No. 890,922; June 16; Sp. p. 3509; Dr. p. 768; Gaz. vol. 134; p. 1679.
- Nail-driver, Pneumatic. S. B. Stewart. No. 902,620; Nov. 3; Sp. p. 176; Gaz. vol. 137; p. 30.
- Nail driving and clenching machine. E. Gminder. No. 908,243; Dec. 29; Sp. p. 6245; Gaz. vol. 137; p. 2124.
- Nail-driving apparatus. E. A. Parker. No. 896,316; Aug. 18; Sp. p. 3058; Dr. pp. 658-9; Gaz. vol. 135; p. 1444.
- Nail forming and driving machine. H. H. Cummings. No. 883,562; Apr. 7; Sp. p. 385; Dr. pp. 75-6; Gaz. vol. 133; p. 1253.
- Nail-inserting machine. A. D. Elliott. No. 876,626; Jan. 14; Sp. p. 1941; Dr. p. 423; Gaz. vol. 132; p. 346.
- Nail-inserting machine. W. H. Taylor. No. 887,870; May. 19; Sp. p. 3128; Dr. pp. 656-7; Gaz. vol. 134; p. 564.
- Nail-machine feeding device. J. S. Pyper. No. 896,573; Aug. 18; Sp. p. 3570; Dr. pp. 767-8; Gaz. vol. 135; p. 1527.
- Nail-making machine. A. Vincez. No. 879,702; Feb. 18; Sp. p. 3734; Dr. p. 783; Gaz. vol. 132; p. 1513.
- Nail-making machine. G. Giesler and T. J. Alexander. No. 884,577; Apr. 14; Sp. p. 1837; Dr. pp. 393-4; Gaz. vol. 133; p. 1516.
- Nail-pick-up device. E. Lahl. No. 882,698; Mar. 24; Sp. p. 4381; Dr. p. 932; Gaz. vol. 133; p. 818.
- Nail-polisher. G. E. Hopkins. No. 878,881; Feb. 11; Sp. p. 2064; Dr. p. 428; Gaz. vol. 132; p. 1207.
- Nail-puller. W. F. Hobbs. No. 900,016; Sept. 29; Sp. p. 5547; Dr. p. 1182; Gaz. vol. 136; p. 1025.
- Nail puller and starter. B. F. Lindeman. No. 883,321; Mar. 31; Sp. p. 5644; Dr. p. 1204; Gaz. vol. 133; p. 1051.
- Nails, Instrument for separating the cuticle from the. R. Amory. No. 902,546; Nov. 3; Sp. p. 17; Gaz. vol. 137; p. 4.
- Nails, Machine for driving loose. G. Goddu. No. 898,573; Sept. 15; Sp. p. 2687; Dr. pp. 574-5; Gaz. vol. 136; p. 494.
- Nails, Machine for making roofing-. J. E. Dobson, W. E. Wiley, and W. H. Hart. No. 886,960; May 5; Sp. p. 1235; Dr. p. 262; Gaz. vol. 134; p. 205.
- Nails, Manufacturing instruments for separating the cuticle from the. R. Amory. No. 897,810; Sept. 1; Sp. p. 1158; Dr. p. 247; Gaz. vol. 136; p. 184.
- Nailing-machine. S. M. Cutter. No. 886,313; Apr. 28; Sp. p. 5424; Dr. p. 1137; Gaz. vol. 133; p. 2144.
- Nailing-machine. A. F. Preston. (Reissue.) No. 12,821; June 30; Sp. p. 6472; Dr. pp. 1395-6; Gaz. vol. 134; p. 2224.
- Nailing-machine. F. H. Schultz. No. 899,767; Sept. 29; Sp. p. 5011; Dr. p. 1074; Gaz. vol. 136; p. 944.
- Nailing-machine attachment. P. L. Billingsley. No. 904,503; Nov. 24; Sp. p. 4056; Gaz. vol. 137; p. 740.
- Nailing-machines, Automatic nailing device for. C. Sattler. No. 901,192; Oct. 13; Sp. p. 2321; Dr. p. 476; Gaz. vol. 136; p. 1465.
- Nailing or pegging machine. F. M. Peters and A. Der Ananian. No. 878,891; Feb. 11; Sp. p. 2087; Dr. pp. 434-5; Gaz. vol. 132; p. 1210.
- Nailing-strip. H. B. Sherman. No. 887,532; May 12; Sp. p. 2455; Dr. p. 518; Gaz. vol. 134; p. 423.
- Nailing-tool. M. Pearson. No. 876,086; Jan. 7; Sp. p. 788; Dr. p. 168; Gaz. vol. 132; p. 133.
- Naphtha, Nitrating solvent. G. Schultz. No. 895,144; Sept. 8; Sp. p. 1859; Gaz. vol. 136; p. 323.
- Napkin-holder. C. H. Ford and E. H. Boston. No. 885,331; Apr. 21; Sp. p. 3436; Dr. p. 717; Gaz. vol. 133; p. 1795.
- Napkin ring and holder, Combined. C. J. Daly. No. 896,627; Aug. 18; Sp. p. 3664; Dr. p. 787; Gaz. vol. 135; p. 1544.
- Napkin, Sanitary. O. C. Schulz. No. 902,568; Nov. 17; Sp. p. 2753; Gaz. vol. 137; p. 507.
- Napkin-supporter. C. Dufresne. No. 902,568; Nov. 3; Sp. p. 70; Gaz. vol. 137; p. 12.
- Nasal inhaler. A. Riggs. No. 907,178; Dec. 22; Sp. p. 3977; Gaz. vol. 137; p. 1738.
- Navigation, Instrument for use in. H. E. Mooney. No. 878,819; Feb. 11; Sp. p. 1949; Dr. p. 403; Gaz. vol. 132; p. 1187.
- Nebulizer. R. R. McGregor. No. 893,354; July 14; Sp. p. 1942; Dr. p. 408; Gaz. vol. 135; p. 349.
- Necktie. C. H. Gaskill, Jr. No. 886,119; Apr. 28; Sp. p. 5060; Dr. p. 1062; Gaz. vol. 133; p. 2079.
- Necktie. A. J. C. Egberts. No. 898,198; Sept. 8; Sp. p. 1964; Dr. p. 419; Gaz. vol. 136; p. 340.
- Necktie. M. F. Powers. (Reissue.) No. 12,873; Nov. 3; Sp. p. 1237; Gaz. vol. 137; p. 203.
- Necktie. M. Prager. No. 903,607; Nov. 10; Sp. p. 2155; Gaz. vol. 137; p. 382.
- Necktie. D. C. Mitchell. No. 904,710; Nov. 24; Sp. p. 4470; Gaz. vol. 137; p. 810.
- Necktie. F. E. Ga Nun. No. 906,008; Dec. 8; Sp. p. 1764; Gaz. vol. 137; p. 1303.
- Necktie. R. C. Tompkins. No. 906,753; Dec. 15; Sp. p. 3171; Gaz. vol. 137; p. 1568.
- Necktie and holder. E. P. O'Leary. No. 903,400; Nov. 10; Sp. p. 1716; Gaz. vol. 137; p. 314.
- Necktie attachment. J. Grossgebauer. No. 876,172; Jan. 7; Sp. p. 945; Dr. p. 203; Gaz. vol. 132; p. 161.
- Necktie attachment. W. A. Bauer. No. 895,942; Aug. 11; Sp. p. 2320; Dr. p. 497; Gaz. vol. 135; p. 1301.
- Necktie-case. F. G. Haas. No. 900,164; Oct. 6; Sp. p. 195; Dr. p. 40; Gaz. vol. 136; p. 1104.
- Necktie-fastener. G. Le Sage. No. 878,734; Feb. 11; Sp. p. 1784; Dr. p. 369; Gaz. vol. 132; p. 1160.
- Necktie-fastener. W. T. Robinson. No. 890,800; June 16; Sp. p. 3278; Dr. p. 718; Gaz. vol. 134; p. 1641.
- Necktie-frame. E. Green. No. 895,629; Aug. 11; Sp. p. 1705; Dr. p. 362; Gaz. vol. 135; p. 1200.
- Necktie-frame. A. Perrilliat. No. 907,398; Dec. 22; Sp. p. 4425; Gaz. vol. 137; p. 1814.
- Necktie-holder. C. I. Matson. No. 887,108; May 12; Sp. p. 1539; Dr. p. 325; Gaz. vol. 134; p. 282.
- Necktie-holder. J. C. Ryan. No. 889,550; June 2; Sp. p. 719; Dr. p. 165; Gaz. vol. 134; p. 1173.
- Necktie-holder. S. K. Walker. No. 906,837; Dec. 15; Sp. p. 3323; Gaz. vol. 137; p. 1595.
- Necktie-knot. A. Swanson. No. 888,549; May 26; Sp. p. 4453; Dr. p. 943; Gaz. vol. 134; p. 816.
- Necktie-maker. L. C. Wedgefuth. No. 892,921; July 7; Sp. p. 1073; Dr. p. 225; Gaz. vol. 135; p. 178.
- Necktie maker and holder. L. C. Wedgefuth. No. 892,920; July 7; Sp. p. 1072; Dr. p. 225; Gaz. vol. 135; p. 178.
- Necktie maker or former. L. C. Wedgefuth. No. 892,919; July 7; Sp. p. 1071; Dr. p. 225; Gaz. vol. 135; p. 177.
- Necktie, Non-binding. W. O. Burdick. No. 880,191; Feb. 25; Sp. p. 4746; Dr. p. 1005; Gaz. vol. 132; p. 1707.
- Necktie-press. S. Miller. No. 884,283; Apr. 7; Sp. p. 1247; Dr. p. 262; Gaz. vol. 133; p. 1391.
- Necktie, Retainer-. C. W. T. Davies. No. 892,139; June 30; Sp. p. 5992; Dr. p. 1288; Gaz. vol. 134; p. 2142.
- Necktie-securing device. D. Zaiden. No. 895,322; Aug. 4; Sp. p. 1104; Dr. p. 232; Gaz. vol. 135; p. 1077.
- Necktie-shield for collars. C. C. Allen. No. 885,129; Apr. 21; Sp. p. 3002; Dr. p. 633; Gaz. vol. 133; p. 1728.
- Necktie slip device. C. Reynolds. No. 883,433; Mar. 31; Sp. p. 5999; Dr. p. 1280; Gaz. vol. 133; p. 1106.
- Necktie-support. N. D. Nelson. No. 886,399; May 5; Sp. p. 116; Dr. p. 22; Gaz. vol. 134; p. 25.
- Necktie-support. W. H. Wilson. No. 890,113; June 9; Sp. p. 1835; Dr. p. 405; Gaz. vol. 134; p. 1383.
- Necktie-supporting frame. F. W. Raupach. No. 899,902; Sept. 29; Sp. p. 5292; Dr. p. 1131; Gaz. vol. 136; p. 989.
- Necktie-turner. W. J. Dryden. No. 884,910; Apr. 14; Sp. p. 2528; Dr. p. 535; Gaz. vol. 133; p. 1624.
- Necktie-turner. W. J. Dryden. No. 884,911; Apr. 14; Sp. p. 2529; Dr. p. 535; Gaz. vol. 133; p. 1624.
- Needle. R. B. Bach. No. 877,476; Jan. 28; Sp. p. 3663; Dr. p. 794; Gaz. vol. 132; p. 685.
- Needle. F. B. Foster. No. 879,758; Feb. 18; Sp. p. 3833; Dr. p. 804; Gaz. vol. 132; p. 1531.
- Needle and thread case. C. B. Tower. No. 900,236; Oct. 6; Sp. p. 333; Dr. p. 69; Gaz. vol. 136; p. 1127.
- Needle and tweezers, Combined. N. O. Hammergren. No. 880,659; Mar. 3; Sp. p. 342; Dr. p. 75; Gaz. vol. 133; p. 60.
- Needle-pad. H. Gressner. No. 885,242; Apr. 21; Sp. p. 3249; Dr. p. 678; Gaz. vol. 133; p. 1765.
- Needle, Self-threading sewing-. M. J. C. Nyborg. No. 900,195; Oct. 6; Sp. p. 262; Dr. p. 52; Gaz. vol. 136; p. 1114.
- Needle-separator, Detachable. F. F. Witkus. No. 887,895; May 19; Sp. p. 3179; Dr. p. 669; Gaz. vol. 134; p. 573.
- Needle, Sewing-. M. J. C. Nyborg. No. 897,769; Sept. 1; Sp. p. 1077; Dr. p. 231; Gaz. vol. 136; p. 172.
- Needle-threader. C. A. Murphy. No. 875,725; Jan. 7; Sp. p. 89; Dr. p. 19; Gaz. vol. 132; p. 20.

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- Needle-threader. J. H. Boye. No. 878,767; Feb. 11; Sp. p. 1852; Dr. p. 382; Gaz. vol. 132; p. 1170.
- Needle-threader. L. V. Rhodes. No. 879,003; Feb. 11; Sp. p. 2296; Dr. p. 479; Gaz. vol. 132; p. 1244.
- Needle-threader. M. E. and A. T. Lassen. No. 882,204; Mar. 17; Sp. p. 3437; Dr. p. 731; Gaz. vol. 133; p. 622.
- Needle-threader. A. P. Koon. No. 886,375; May 5; Sp. p. 65; Dr. p. 13; Gaz. vol. 134; p. 16.
- Needle-threader. S. C. Early. No. 888,977; May 26; Sp. p. 5362; Dr. p. 1137; Gaz. vol. 134; p. 957.
- Needle-threader. J. H. Boye. No. 905,641; Dec. 1; Sp. p. 1058; Gaz. vol. 137; p. 1153.
- Needle, Turning-. S. H. Ferrier. No. 897,200; Aug. 25; Sp. p. 4872; Dr. p. 1036; Gaz. vol. 135; p. 1755.
- Needle, Vaccinating-. C. H. Higgins. No. 904,779; Nov. 24; Sp. p. 4627; Gaz. vol. 137; p. 832.
- Needlework, Art. P. Johnsen. No. 889,614; June 2; Sp. p. 833; Dr. p. 190; Gaz. vol. 134; p. 1193.
- Negative-pole plate. J. Bijur. (Reissue.) No. 12,872; Oct. 27; Sp. p. 5227; Dr. p. 1055; Gaz. vol. 136; p. 1976.
- Negative-pole plates, Treating. J. Bijur. (Reissue.) No. 12,871; Oct. 27; Sp. p. 5224; Dr. p. 1055; Gaz. vol. 136; p. 1976.
- Negatives for sand-blast engraving, Preparing. J. H. and E. Frey. No. 903,699; Nov. 10; Sp. p. 2333; Gaz. vol. 137; p. 410.
- Nest. M. B. Mathias. No. 907,837; Dec. 29; Sp. p. 5367; Gaz. vol. 137; p. 1990.
- Nest, Automatic trap-. F. S. Barzee. No. 899,709; Sept. 29; Sp. p. 4873; Dr. pp. 1045-6; Gaz. vol. 136; p. 923.
- Nest for hens, Trap-. M. J. Whitty. No. 904,390; Nov. 17; Sp. p. 3790; Gaz. vol. 137; p. 676.
- Nest frame, Hen's-. C. F. Lucas. No. 884,399; Apr. 14; Sp. p. 1478; Dr. p. 316; Gaz. vol. 133; p. 1458.
- Nest, Hen's. L. S. Linder. No. 881,250; Mar. 10; Sp. p. 1515; Dr. p. 326; Gaz. vol. 133; p. 285.
- Nest, Hen's. L. Muhl. No. 884,032; Apr. 7; Sp. p. 739; Dr. p. 152; Gaz. vol. 133; p. 1310.
- Nest, Hen's. L. B. Lodmell. No. 885,626; Apr. 21; Sp. p. 4014; Dr. p. 835; Gaz. vol. 133; p. 1886.
- Nest, Hen's. S. H. Mitchell. No. 896,035; Aug. 11; Sp. p. 2519; Dr. p. 548; Gaz. vol. 135; p. 1332.
- Nest, Hen's. A. D. Crosey. No. 902,056; Oct. 27; Sp. p. 4164; Dr. p. 843; Gaz. vol. 136; p. 1814.
- Nest, Hen's. J. Kirkham. No. 903,822; Nov. 10; Sp. p. 2580; Gaz. vol. 137; p. 451.
- Nest, Hen's. L. Yax. No. 905,267; Dec. 1; Sp. p. 282; Gaz. vol. 137; p. 1032.
- Nest, Hen's. B. E. Bartholomew. No. 905,630; Dec. 1; Sp. p. 1040; Gaz. vol. 137; p. 1150.
- Nest, Poultry-. J. A. Secrest. No. 876,916; Jan. 14; Sp. p. 2498; Dr. p. 545; Gaz. vol. 132; p. 439.
- Nest, Poultry-. O. K. Olson. No. 886,151; Apr. 28; Sp. p. 5112; Dr. p. 1074; Gaz. vol. 133; p. 2089.
- Nest, Poultry-. S. Welch. No. 896,258; Aug. 18; Sp. p. 2927; Dr. p. 631; Gaz. vol. 135; p. 1425.
- Nest, Poultry trap-. F. F. B. Chapman. No. 880,778; Mar. 3; Sp. p. 584; Dr. p. 124; Gaz. vol. 133; p. 101.
- Nest, Trap-. W. H. Warner, Jr. No. 879,990; Feb. 25; Sp. p. 4341; Dr. p. 910; Gaz. vol. 132; p. 1641.
- Nest, Trap-. C. E. Goodenough. No. 881,677; Mar. 10; Sp. p. 2355; Dr. p. 510; Gaz. vol. 133; p. 423.
- Nest, Trap-. G. W. Spence. No. 881,732; Mar. 10; Sp. p. 2467; Dr. p. 531; Gaz. vol. 133; p. 440.
- Nest, Trap-. A. B. Brown. No. 889,898; June 9; Sp. p. 1395; Dr. pp. 316-17; Gaz. vol. 134; p. 1309.
- Nest, Trap-. W. S. Hill. No. 890,649; June 16; Sp. p. 2852; Dr. p. 646; Gaz. vol. 134; p. 1590.
- Nest, Trap-. C. P. Walls. No. 892,339; June 30; Sp. p. 6377; Dr. p. 1375; Gaz. vol. 134; p. 2209.
- Nest, Trap-. E. M. Brown. No. 902,370; Oct. 27; Sp. p. 4319; Dr. p. 973; Gaz. vol. 136; p. 1917.
- Net. A. O. Warner. No. 886,281; Apr. 28; Sp. p. 5350; Dr. p. 1125; Gaz. vol. 133; p. 2153.
- Net. D. H. Saunders. No. 904,899; Nov. 24; Sp. p. 4887; Gaz. vol. 137; p. 872.
- Net-casting apparatus. G. K. Cloud. No. 876,148; Jan. 7; Sp. p. 903; Dr. p. 195; Gaz. vol. 132; p. 155.
- Net drawing or lifting device. A. G. Lundin. No. 880,552; Mar. 3; Sp. p. 119; Dr. p. 27; Gaz. vol. 133; p. 24.
- Net, Landing-. A. Holmes. No. 878,529; Feb. 11; Sp. p. 1353; Dr. p. 275; Gaz. vol. 132; p. 1091.
- Net machine, Fly-. J. Graves. No. 892,827; July 7; Sp. p. 856; Dr. pp. 182-4; Gaz. vol. 135; p. 146.
- Net-tying machine. C. Lie. No. 906,728; Dec. 15; Sp. p. 3115; Gaz. vol. 137; p. 1560.
- Nets, Trip for hay-. J. C. Calvert. No. 883,083; Mar. 24; Sp. p. 5145; Dr. p. 1098; Gaz. vol. 133; p. 942.
- Newel-post. J. E. Holbein. No. 885,477; Apr. 21; Sp. p. 3707; Dr. pp. 778-9; Gaz. vol. 133; p. 1841.
- Newspaper-holder. J. Ohsl. No. 883,336; Mar. 31; Sp. p. 5666; Dr. p. 1210; Gaz. vol. 133; p. 1055.
- Newspaper-holder. C. Sjolberg. No. 884,226; Apr. 7; Sp. p. 1150; Dr. p. 242; Gaz. vol. 133; p. 1373.
- Newspaper-holder. J. N. King. No. 892,738; July 7; Sp. p. 685; Dr. p. 144; Gaz. vol. 135; p. 118.
- Newspaper holder and spreader. A. Lieberam. No. 891,844; June 30; Sp. p. 5423; Dr. p. 1172; Gaz. vol. 134; p. 2046.
- Newspaper-holding device. J. K. Morris. No. 904,979; Nov. 24; Sp. p. 5044; Gaz. vol. 137; p. 89.
- Newspaper parts, Machine for assembling. C. D. Curry and A. W. Linn. No. 881,305; Mar. 10; Sp. p. 1631; Dr. pp. 348-9; Gaz. vol. 133; p. 304.
- Newspaper-wrapping machine. I. R. Hutchinson. No. 892,837; July 7; Sp. p. 885; Dr. p. 190; Gaz. vol. 135; p. 150.
- Newspapers, Machine for feeding off. G. L. Richards. No. 900,782; Oct. 13; Sp. p. 1516; Dr. pp. 308-9; Gaz. vol. 136; p. 1332.
- Nickel from silicious ores, Recovering. A. Chalas. No. 887,735; May 12; Sp. p. 2830; Gaz. vol. 134; p. 491.
- Nightgown, Hospital-. E. Snellenburg. No. 895,510; Aug. 11; Sp. p. 1472; Dr. p. 308; Gaz. vol. 135; p. 1162.
- Nipper-tube. W. A. Berry. No. 897,706; Sept. 1; Sp. p. 943; Dr. p. 201; Gaz. vol. 136; p. 151.
- Nipples, Making. H. Wolf and R. Struck. No. 892,792; July 7; Sp. p. 788; Dr. p. 166; Gaz. vol. 135; p. 135.
- Nitric acid, Producing. I. L. Roberts. No. 902,607; Nov. 3; Sp. p. 157; Gaz. vol. 137; p. 26.
- Nitrils of aromatic alpha-oxyacids, Preparing. J. L. Turner and C. E. Vanderkleed. No. 895,316; Aug. 4; Sp. p. 1099; Gaz. vol. 135; p. 1075.
- Nitrite solutions, Purifying. G. Geelmuyden. No. 907,332; Dec. 22; Sp. p. 4306; Gaz. vol. 137; p. 1793.
- Nitrites, Production of. C. N. Ribber. No. 899,705; Sept. 29; Sp. p. 4368; Gaz. vol. 136; p. 922.
- Nitrobenzanthrone compound and making same. O. Bally and H. Wolf. No. 876,679; Jan. 14; Sp. p. 2045; Gaz. vol. 132; p. 363.
- Nitrogen, Apparatus for electric oxidizing of atmospheric. D. Helbig. No. 887,476; May 12; Sp. p. 2340; Dr. p. 489; Gaz. vol. 134; p. 403.
- Nitrogen, by means of electricity, Oxidation of. D. Helbig. No. 887,326; May 12; Sp. p. 2027; Dr. p. 424; Gaz. vol. 134; p. 355.
- Nitrogen compounds, Making. A. Frank and N. Caro. (Reissue.) No. 12,762; Mar. 10; Sp. p. 2807; Gaz. vol. 133; p. 493.
- Nitrogen compounds, Making. O. F. Carlson. No. 903,541; Nov. 10; Sp. p. 2019; Gaz. vol. 137; p. 361.
- Nitrogen oxides from air, Apparatus for making. A. Grau and F. Russ. No. 884,920; Apr. 14; Sp. p. 2567; Dr. p. 540; Gaz. vol. 133; p. 1627.
- Nitrogen oxides from air, Making. A. Grau and F. Russ. No. 884,919; Apr. 14; Sp. p. 2566; Dr. p. 540; Gaz. vol. 133; p. 1627.
- Nitroglycerin from acids, Accelerating the separation of. R. Escales and M. Novak. No. 880,373; Feb. 25; Sp. p. 5098; Dr. p. 1078; Gaz. vol. 132; p. 1766.
- Nitrous compounds, Apparatus for manufacturing. C. P. Steinmetz. No. 894,547; July 28; Sp. p. 4531; Dr. p. 939; Gaz. vol. 135; p. 791.
- Noodle-cutter. A. P. Coyle. No. 895,969; Aug. 11; Sp. p. 2397; Dr. p. 513; Gaz. vol. 135; p. 1310.
- Noodle-cutter. W. I. Whitehurst. No. 900,808; Oct. 13; Sp. p. 1582; Dr. p. 319; Gaz. vol. 136; p. 1343.
- Nose-bag. A. H. Shoemaker and A. P. Merrill. No. 890,937; June 16; Sp. p. 3557; Dr. p. 776; Gaz. vol. 134; p. 1684.
- Nose-bag. J. A. McColeman. No. 891,716; June 23; Sp. p. 5149; Dr. p. 1112; Gaz. vol. 134; p. 1972.
- Nose-bag suspension. L. D. Cammann. No. 893,981; July 21; Sp. p. 3354; Dr. p. 686; Gaz. vol. 135; p. 585.
- Nose-guard. L. F. Adt. No. 895,932; Aug. 11; Sp. p. 2303; Dr. p. 491; Gaz. vol. 135; p. 1297.
- Nose-guard, Adjustable. L. F. Adt. No. 887,904; May 19; Sp. p. 3197; Dr. p. 672; Gaz. vol. 134; p. 575.
- Nose-ring. C. B. Wagner, Jr. No. 889,736; June 2; Sp. p. 1072; Dr. p. 247; Gaz. vol. 134; p. 1231.
- Nothing-press. O. Smith. No. 890,413; Feb. 25; Sp. p. 5194; Dr. pp. 1095-6; Gaz. vol. 132; p. 1780.
- Note-sheet. P. Riessner. No. 883,745; Apr. 7; Sp. p. 130; Dr. p. 23; Gaz. vol. 133; p. 1214.
- Note-sheet-guide mechanism. F. W. Wood. No. 901,930; Oct. 20; Sp. p. 3880; Dr. p. 791; Gaz. vol. 136; p. 1744.
- Note-sheets, Speed-controlling device for. H. Meyer. No. 898,762; Sept. 15; Sp. p. 3045; Dr. p. 653; Gaz. vol. 136; p. 553.
- Novelty device. V. J. Augir. No. 879,998; Feb. 25; Sp. p. 4359; Dr. p. 914; Gaz. vol. 132; p. 1644.
- Nozzle. E. Gerlach. No. 876,796; Jan. 14; Sp. p. 2247; Dr. p. 494; Gaz. vol. 132; p. 399.
- Nozzle. J. Rosborough. No. 894,059; July 21; Sp. p. 3519; Dr. p. 721; Gaz. vol. 135; p. 612.
- Nozzle. J. F. MacWilliam. No. 902,309; Oct. 27; Sp. p. 4690; Dr. p. 950; Gaz. vol. 136; p. 1896.
- Nozzle, Distributing-. A. Schmidt. No. 889,972; June 9; Sp. p. 1547; Dr. p. 349; Gaz. vol. 134; p. 1335.
- Nozzle, Exhaust-. C. F. Wilde. No. 892,482; July 7; Sp. p. 175; Dr. p. 37; Gaz. vol. 135; p. 34.
- Nozzle for irrigating systems. E. L. De Long. No. 883,527; Mar. 31; Sp. p. 6088; Dr. p. 1295; Gaz. vol. 133; p. 1118.
- Nozzle-holder. J. J. Meskill. No. 883,969; Apr. 7; Sp. p. 608; Dr. p. 121; Gaz. vol. 133; p. 1288.
- Nozzle, Rotary. A. Schmidt. No. 903,788; Nov. 10; Sp. p. 2511; Gaz. vol. 137; p. 439.
- Nozzle, Rotatable distributing-. A. Schmidt. No. 885,869; Apr. 28; Sp. p. 4527; Dr. p. 950; Gaz. vol. 133; p. 1996.
- Nozzle, Spray-. W. H. Heard. No. 876,453; Jan. 14; Sp. p. 1548; Dr. p. 332; Gaz. vol. 132; p. 284.
- Nozzle, Spray-. E. C. Brown. No. 903,953; Nov. 17; Sp. p. 2886; Gaz. vol. 137; p. 527.
- Nozzle, Spray-. A. S. Washburn. No. 905,032; Nov. 24; Sp. p. 5146; Gaz. vol. 137; p. 917.
- Nozzle, Spraying-. M. A. Barnes. No. 887,302; May 12; Sp. p. 1969; Dr. p. 413; Gaz. vol. 134; p. 346.
- Nozzle, Spraying-. S. H. Adams. No. 889,424; June 2; Sp. p. 465; Dr. p. 111; Gaz. vol. 134; p. 1133.
- Nozzle, Suction-. C. W. E. Boegel. No. 881,879; Mar. 10; Sp. p. 2770; Dr. p. 594; Gaz. vol. 133; p. 489.

Alphabetical list of inventions—Continued.

- Nozzle-tip. W. E. Bideker. No. 904,673; Nov. 24; Sp. p. 4394; Gaz. vol. 137; p. 798.
- Numbering apparatus, Consecutive-. C. Spielmann and F. W. Wicht. No. 902,339; Oct. 27; Sp. p. 4766; Dr. p. 961; Gaz. vol. 136; p. 1907.
- Numbering-machine. W. C. Downing. No. 882,932; Mar. 24; Sp. p. 4869; Dr. pp. 1033-4; Gaz. vol. 133; p. 895.
- Numbering-machine. B. B. Conrad. No. 898,836; Sept. 15; Sp. p. 3180; Dr. pp. 680-1; Gaz. vol. 136; p. 578.
- Numbering-machine. I. Hasselstrom. No. 901,443; Oct. 20; Sp. p. 2895; Dr. p. 590; Gaz. vol. 136; p. 1585.
- Numbering-machine. B. B. Conrad. No. 905,987; Dec. 8; Sp. p. 1727; Gaz. vol. 137; p. 1296.
- Numbering-machine. B. B. Conrad. No. 907,128; Dec. 22; Sp. p. 3892; Gaz. vol. 137; p. 1723.
- Numbering-machine, Hand. H. P. Hamburg. No. 905,516; Dec. 1; Sp. p. 826; Gaz. vol. 137; p. 1115.
- Numbering or marking machine. G. H. Lang. No. 877,653; Jan. 28; Sp. p. 4033; Dr. p. 871; Gaz. vol. 132; p. 744.
- Nursing-nipples, Device for turning. E. L. Stuart and S. A. Conine. No. 890,885; June 16; Sp. p. 3428; Dr. p. 751; Gaz. vol. 134; p. 1667.
- Nut. J. R. and E. C. Winter. No. 899,368; Sept. 22; Sp. p. 4195; Dr. p. 898; Gaz. vol. 136; p. 778.
- Nut and bolt lock. J. D. Frey. No. 890,420; June 9; Sp. p. 2470; Dr. p. 547; Gaz. vol. 134; p. 1482.
- Nut and bushing for connection-boxes, Combined lock-. J. S. Ritter. No. 899,906; Sept. 29; Sp. p. 5299; Dr. p. 1133; Gaz. vol. 136; p. 989.
- Nut and pipe wrench. W. Brandon. No. 879,810; Feb. 18; Sp. p. 3928; Dr. p. 823; Gaz. vol. 132; p. 1548.
- Nut and pipe wrench. D. Stewart. No. 892,326; June 30; Sp. p. 6352; Dr. p. 1370; Gaz. vol. 134; p. 2204.
- Nut and pipe wrench. D. Stewart. No. 892,327; June 30; Sp. p. 6356; Dr. p. 1371; Gaz. vol. 134; p. 2205.
- Nut and washer, Locking. A. L. Dorsey. No. 892,507; July 7; Sp. p. 233; Dr. p. 49; Gaz. vol. 135; p. 43.
- Nut, Axle-. W. W. Jones. No. 883,314; Mar. 31; Sp. p. 5635; Dr. p. 1201; Gaz. vol. 133; p. 1049.
- Nut-blanks, Tapping. O. A. Smith. No. 900,042; Sept. 29; Sp. p. 5611; Dr. p. 1197; Gaz. vol. 136; p. 1034.
- Nut, Check-. C. H. Chapman. No. 888,694; May 26; Sp. p. 4767; Dr. p. 1014; Gaz. vol. 134; p. 865.
- Nut-cracking machine. F. B. Lantery. No. 885,262; Apr. 21; Sp. p. 3282; Dr. pp. 686-7; Gaz. vol. 133; p. 1772.
- Nut device, Lock-. J. H. Wesson. No. 892,478; July 7; Sp. p. 169; Dr. p. 36; Gaz. vol. 135; p. 33.
- Nut, Fast. W. H. Cook. No. 875,782; Jan. 7; Sp. p. 206; Dr. p. 44; Gaz. vol. 132; p. 38.
- Nut-feeding mechanism. R. J. Rodd. No. 884,211; Apr. 7; Sp. p. 1126; Dr. p. 236; Gaz. vol. 133; p. 1368.
- Nut for axles, Lock-. R. T. Fitzpatrick. No. 881,676; Mar. 10; Sp. p. 2353; Dr. p. 509; Gaz. vol. 133; p. 423.
- Nut-lock. G. H. Orr. No. 876,081; Jan. 7; Sp. p. 778; Dr. p. 166; Gaz. vol. 132; p. 132.
- Nut-lock. C. H. Bicknell. No. 876,314; Jan. 14; Sp. p. 1246; Dr. p. 271; Gaz. vol. 132; p. 239.
- Nut-lock. F. R. Smith. No. 876,741; Jan. 14; Sp. p. 2160; Dr. p. 474; Gaz. vol. 132; p. 382.
- Nut-lock. S. Benson. No. 877,628; Jan. 28; Sp. p. 3994; Dr. p. 863; Gaz. vol. 132; p. 736.
- Nut-lock. W. Chesterman. No. 878,042; Feb. 4; Sp. p. 307; Dr. p. 65; Gaz. vol. 132; p. 898.
- Nut-lock. F. M. Volk. No. 878,258; Feb. 4; Sp. p. 748; Dr. p. 151; Gaz. vol. 132; p. 969.
- Nut-lock. I. Barker. No. 878,476; Feb. 4; Sp. p. 1176; Dr. p. 239; Gaz. vol. 132; p. 1041.
- Nut-lock. W. C. Mayo. No. 879,290; Feb. 18; Sp. p. 2873; Dr. p. 599; Gaz. vol. 132; p. 1379.
- Nut-lock. A. Cottom. No. 879,746; Feb. 18; Sp. p. 3816; Dr. p. 800; Gaz. vol. 132; p. 1528.
- Nut-lock. O. Blais. No. 879,833; Feb. 18; Sp. p. 3990; Dr. p. 835; Gaz. vol. 132; p. 1556.
- Nut-lock. J. J. Brunello. No. 880,065; Feb. 25; Sp. p. 4504; Dr. p. 946; Gaz. vol. 132; p. 1665.
- Nut-lock. B. F. Parker. No. 880,751; Mar. 3; Sp. p. 532; Dr. p. 111; Gaz. vol. 133; p. 92.
- Nut-lock. C. B. Stillwell. No. 880,930; Mar. 3; Sp. p. 900; Dr. p. 194; Gaz. vol. 133; p. 151.
- Nut-lock. J. E. Virgo. No. 880,939; Mar. 3; Sp. p. 915; Dr. p. 197; Gaz. vol. 133; p. 154.
- Nut-lock. A. A. Allen. No. 881,763; Mar. 10; Sp. p. 2519; Dr. p. 543; Gaz. vol. 133; p. 449.
- Nut-lock. W. F. Brown. No. 882,369; Mar. 17; Sp. p. 3754; Dr. p. 799; Gaz. vol. 133; p. 677.
- Nut-lock. C. L. Hine. No. 882,389; Mar. 17; Sp. p. 3786; Dr. p. 808; Gaz. vol. 133; p. 683.
- Nut-lock. G. A. Pattillo. No. 883,566; Mar. 31; Sp. p. 6169; Dr. p. 1312; Gaz. vol. 133; p. 1129.
- Nut-lock. R. H. Bowman. No. 883,691; Apr. 7; Sp. p. 15; Dr. p. 4; Gaz. vol. 133; p. 1198.
- Nut-lock. J. R. Goode. No. 883,714; Apr. 7; Sp. p. 74; Dr. p. 11; Gaz. vol. 133; p. 1204.
- Nut-lock. J. W. North. No. 884,199; Apr. 7; Sp. p. 1107; Dr. p. 232; Gaz. vol. 133; p. 1365.
- Nut-lock. I. Barker. No. 884,349; Apr. 7; Sp. p. 1370; Dr. p. 293; Gaz. vol. 133; p. 1412.
- Nut-lock. H. E. Shrock. No. 884,531; Apr. 14; Sp. p. 1748; Dr. p. 376; Gaz. vol. 133; p. 1500.
- Nut-lock. C. Kesler. No. 884,933; Apr. 14; Sp. p. 2586; Dr. p. 545; Gaz. vol. 133; p. 1631.
- Nut-lock. L. J. Lindsay. No. 884,983; Apr. 14; Sp. p. 2681; Dr. p. 570; Gaz. vol. 133; p. 1646.
- Nut-lock. M. F. Giffin. No. 885,465; Apr. 21; Sp. p. 3686; Dr. p. 773; Gaz. vol. 133; p. 1838.
- Nut-lock. M. F. Giffin. No. 885,466; Apr. 21; Sp. p. 3687; Dr. p. 773; Gaz. vol. 133; p. 1838.
- Nut-lock. T. G. McNees and J. A. Lackey. No. 885,510; Apr. 21; Sp. p. 3764; Dr. p. 792; Gaz. vol. 133; p. 1851.
- Nut-lock. E. J. Ewing and T. M. Snyder. No. 885,593; Apr. 21; Sp. p. 3946; Dr. p. 824; Gaz. vol. 133; p. 1875.
- Nut-lock. T. Hand. No. 885,614; Apr. 21; Sp. p. 3987; Dr. p. 832; Gaz. vol. 133; p. 1882.
- Nut-lock. T. Casey. No. 885,909; Apr. 28; Sp. p. 4599; Dr. p. 964; Gaz. vol. 133; p. 2010.
- Nut-lock. H. Henthorne. No. 885,996; Apr. 28; Sp. p. 8410; Dr. p. 1010; Gaz. vol. 133; p. 2040.
- Nut-lock. W. F. Kenney. No. 886,299; Apr. 28; Sp. p. 5387; Dr. p. 1131; Gaz. vol. 133; p. 2139.
- Nut-lock. J. W. Shawver. No. 886,424; May 5; Sp. p. 166; Dr. p. 35; Gaz. vol. 134; p. 32.
- Nut-lock. R. H. Fisher. No. 886,787; May 5; Sp. p. 928; Dr. p. 193; Gaz. vol. 134; p. 152.
- Nut-lock. R. E. Scharz. No. 887,433; May 12; Sp. p. 2257; Dr. p. 472; Gaz. vol. 134; p. 390.
- Nut-lock. J. T. Barr. No. 887,574; May 12; Sp. p. 2531; Dr. p. 533; Gaz. vol. 134; p. 436.
- Nut-lock. R. K. Gregory. No. 888,486; May 26; Sp. p. 4330; Dr. p. 916; Gaz. vol. 134; p. 793.
- Nut-lock. H. G. Frew. No. 888,797; May 26; Sp. p. 4980; Dr. p. 1063; Gaz. vol. 134; p. 898.
- Nut-lock. E. B. Martin. No. 889,319; June 2; Sp. p. 248; Dr. p. 60; Gaz. vol. 134; p. 1098.
- Nut-lock. J. H. Colkitt. No. 889,584; June 2; Sp. p. 787; Dr. p. 178; Gaz. vol. 134; p. 1184.
- Nut-lock. J. C. Fleischmann. No. 889,593; June 2; Sp. p. 801; Dr. p. 182; Gaz. vol. 134; p. 1187.
- Nut-lock. J. J. Brown. No. 889,755; June 2; Sp. p. 1111; Dr. p. 258; Gaz. vol. 134; p. 1237.
- Nut-lock. T. W. Crozier. No. 889,764; June 2; Sp. p. 1122; Dr. p. 260; Gaz. vol. 134; p. 1240.
- Nut-lock. J. W. Cooper. No. 890,339; June 9; Sp. p. 2324; Dr. p. 513; Gaz. vol. 134; p. 1457.
- Nut-lock. J. J. Luckey. No. 890,566; June 9; Sp. p. 2747; Dr. p. 608; Gaz. vol. 134; p. 1530.
- Nut-lock. P. Clay. No. 891,145; June 16; Sp. p. 3938; Dr. p. 862; Gaz. vol. 134; p. 1750.
- Nut-lock. E. O. Wheelock. No. 891,512; June 23; Sp. p. 4726; Dr. p. 1023; Gaz. vol. 134; p. 1905.
- Nut-lock. W. McWhie. No. 891,717; June 23; Sp. p. 5150; Dr. p. 1113; Gaz. vol. 134; p. 1972.
- Nut-lock. F. M. Henry and J. M. Powers. No. 891,990; June 30; Sp. p. 5721; Dr. p. 1230; Gaz. vol. 134; p. 2095.
- Nut-lock. E. R. Hurd. No. 892,055; June 30; Sp. p. 5837; Dr. p. 1255; Gaz. vol. 134; p. 2115.
- Nut-lock. J. D. Woods and W. J. Yost. No. 892,202; June 30; Sp. p. 6121; Dr. p. 1316; Gaz. vol. 134; p. 2164.
- Nut-lock. J. H. Wesson. No. 892,479; July 7; Sp. p. 170; Dr. p. 36; Gaz. vol. 135; p. 33.
- Nut-lock. A. R. Byrket. No. 892,578; July 7; Sp. p. 352; Dr. p. 77; Gaz. vol. 135; p. 66.
- Nut-lock. J. F. Huffman. No. 892,834; July 7; Sp. p. 880; Dr. p. 188; Gaz. vol. 135; p. 149.
- Nut-lock. F. J. Fletcher and W. W. Hocker. No. 893,066; July 14; Sp. p. 1381; Dr. p. 291; Gaz. vol. 135; p. 255.
- Nut-lock. A. Kunan. No. 893,081; July 14; Sp. p. 1401; Dr. p. 296; Gaz. vol. 135; p. 260.
- Nut-lock. J. H. Burrows. No. 893,567; July 14; Sp. p. 2422; Dr. p. 504; Gaz. vol. 135; p. 418.
- Nut-lock. C. S. Norris. No. 894,041; July 21; Sp. p. 3480; Dr. p. 713; Gaz. vol. 135; p. 606.
- Nut-lock. E. R. Parkhurst. No. 894,693; July 28; Sp. p. 4819; Dr. p. 1000; Gaz. vol. 135; p. 840.
- Nut-lock. L. P. Schramm. No. 895,207; Aug. 4; Sp. p. 872; Dr. p. 183; Gaz. vol. 135; p. 1039.
- Nut-lock. W. Brown. No. 895,335; Aug. 4; Sp. p. 1128; Dr. p. 237; Gaz. vol. 135; p. 1081.
- Nut-lock. J. H. Allin. No. 895,410; Aug. 11; Sp. p. 1273; Dr. p. 268; Gaz. vol. 135; p. 1129.
- Nut-lock. W. J. Mason. No. 896,132; Aug. 18; Sp. p. 2690; Dr. p. 580; Gaz. vol. 135; p. 1383.
- Nut-lock. A. L. Hart. No. 896,534; Aug. 18; Sp. p. 3502; Dr. p. 752; Gaz. vol. 135; p. 1515.
- Nut-lock. J. W. Harvey. No. 896,695; Aug. 18; Sp. p. 3804; Dr. p. 822; Gaz. vol. 135; p. 1564.
- Nut-lock. J. J. Bailey. No. 896,883; Aug. 25; Sp. p. 4217; Dr. p. 902; Gaz. vol. 135; p. 1651.
- Nut-lock. H. Dubrow and J. Yurkovich. No. 896,901; Aug. 25; Sp. p. 4253; Dr. p. 910; Gaz. vol. 135; p. 1657.
- Nut-lock. H. Oldendorph. No. 897,770; Sept. 1; Sp. p. 1078; Dr. p. 231; Gaz. vol. 136; p. 172.
- Nut-lock. E. Posson. No. 898,003; Sept. 8; Sp. p. 1576; Dr. p. 336; Gaz. vol. 136; p. 280.
- Nut-lock. C. H. Covey. No. 898,188; Sept. 8; Sp. p. 1945; Dr. p. 416; Gaz. vol. 136; p. 338.
- Nut-lock. A. W. Dawes. No. 898,333; Sept. 8; Sp. p. 2207; Dr. p. 468; Gaz. vol. 136; p. 382.
- Nut-lock. T. V. Boyle. No. 898,432; Sept. 15; Sp. p. 2410; Dr. p. 516; Gaz. vol. 136; p. 449.
- Nut-lock. P. C. Haan. No. 898,464; Sept. 15; Sp. p. 2478; Dr. p. 530; Gaz. vol. 136; p. 459.
- Nut-lock. L. Burg. No. 898,719; Sept. 15; Sp. p. 2967; Dr. p. 636; Gaz. vol. 136; p. 540.
- Nut-lock. C. W. Stark. No. 899,080; Sept. 22; Sp. p. 3626; Dr. p. 776; Gaz. vol. 136; p. 684.
- Nut-lock. W. A. Smith. No. 899,630; Sept. 29; Sp. p. 4739; Dr. p. 1014; Gaz. vol. 136; p. 900.

Alphabetical list of inventions—Continued.

- Nut-lock. H. Jeffrey. No. 899,869; Sept. 29; Sp. p. 5237; Dr. p. 1119; Gaz. vol. 136; p. 978.
 Nut-lock. W. F. Barron. No. 899,940; Sept. 29; Sp. p. 5386; Dr. p. 1149; Gaz. vol. 136; p. 1000.
 Nut-lock. W. F. O'Neal. No. 900,196; Oct. 6; Sp. p. 263; Dr. p. 53; Gaz. vol. 136; p. 1115.
 Nut-lock. S. C. Pugh. No. 900,202; Oct. 6; Sp. p. 274; Dr. p. 55; Gaz. vol. 136; p. 1117.
 Nut-lock. J. Aderer. No. 900,462; Oct. 6; Sp. p. 844; Dr. p. 171; Gaz. vol. 136; p. 1202.
 Nut-lock. C. E. Ratcliffe. No. 900,589; Oct. 6; Sp. p. 1105; Dr. p. 227; Gaz. vol. 136; p. 1243.
 Nut-lock. F. C. Tambling. No. 900,796; Oct. 13; Sp. p. 1543; Dr. p. 313; Gaz. vol. 136; p. 1337.
 Nut-lock. E. A. Hemsteger. No. 901,810; Oct. 20; Sp. p. 3665; Dr. p. 743; Gaz. vol. 136; p. 1705.
 Nut-lock. R. G. Burton. No. 901,875; Oct. 20; Sp. p. 3775; Dr. p. 767; Gaz. vol. 136; p. 1725.
 Nut-lock. A. B. Conn. No. 902,646; Nov. 3; Sp. p. 227; Gaz. vol. 137; p. 38.
 Nut-lock. M. M. Wilkin. No. 903,255; Nov. 10; Sp. p. 1449; Gaz. vol. 137; p. 267.
 Nut-lock. J. F. Lachman. No. 903,383; Nov. 10; Sp. p. 1696; Gaz. vol. 137; p. 310.
 Nut-lock. C. H. Price. No. 904,360; Nov. 17; Sp. p. 3744; Gaz. vol. 137; p. 566.
 Nut-lock. F. Matoushek. No. 904,548; Nov. 24; Sp. p. 4141; Gaz. vol. 137; p. 755.
 Nut-lock. J. E. Dressler. No. 904,606; Nov. 24; Sp. p. 4249; Gaz. vol. 137; p. 774.
 Nut-lock. D. J. Higginbotham. No. 904,956; Nov. 24; Sp. p. 4996; Gaz. vol. 137; p. 892.
 Nut-lock. R. S. Rush. No. 905,235; Dec. 1; Sp. p. 229; Gaz. vol. 137; p. 1022.
 Nut-lock. H. J. Baker. No. 905,273; Dec. 1; Sp. p. 294; Gaz. vol. 137; p. 1034.
 Nut-lock. A. H. De Groff and A. A. Cummings. No. 905,294; Dec. 1; Sp. p. 322; Gaz. vol. 137; p. 1039.
 Nut-lock. T. C. Woodworth. No. 905,618; Dec. 1; Sp. p. 1014; Gaz. vol. 137; p. 1146.
 Nut-lock. E. R. Bailey. No. 905,780; Dec. 1; Sp. p. 1316; Gaz. vol. 137; p. 1199.
 Nut-lock. L. E. Campbell. No. 905,842; Dec. 8; Sp. p. 1444; Gaz. vol. 137; p. 1250.
 Nut-lock. J. J. Brown. No. 906,377; Dec. 8; Sp. p. 2462; Gaz. vol. 137; p. 1423.
 Nut-lock. A. Ullmann. No. 906,475; Dec. 8; Sp. p. 2633; Gaz. vol. 137; p. 1454.
 Nut-lock. A. Ullmann. No. 906,476; Dec. 8; Sp. p. 2636; Gaz. vol. 137; p. 1455.
 Nut-lock. G. Martien and F. C. Small. No. 907,071; Dec. 15; Sp. p. 3754; Gaz. vol. 137; p. 1668.
 Nut-lock. G. Zoll. No. 907,305; Dec. 22; Sp. p. 4259; Gaz. vol. 137; p. 1784.
 Nut-lock. F. W. De Tray. No. 907,473; Dec. 22; Sp. p. 4601; Gaz. vol. 137; p. 1840.
 Nut-lock. J. R. Meiners. No. 908,022; Dec. 29; Sp. p. 5770; Gaz. vol. 137; p. 2049.
 Nut, Lock-. I. L. and J. Abe. No. 879,714; Feb. 18; Sp. p. 3755; Dr. p. 787; Gaz. vol. 132; p. 1517.
 Nut, Lock-. G. W. Boyd. No. 884,260; Apr. 7; Sp. p. 1214; Dr. p. 255; Gaz. vol. 133; p. 1385.
 Nut, Lock-. N. H. Summons. No. 885,544; Apr. 21; Sp. p. 3862; Dr. p. 808; Gaz. vol. 133; p. 1861.
 Nut, Lock-. O. Thomas and G. Blackwell. No. 888,051; May 19; Sp. p. 3472; Dr. p. 727; Gaz. vol. 134; p. 622.
 Nut, Lock-. J. M. Mathis and E. M. Staggs. No. 889,705; June 2; Sp. p. 1016; Dr. p. 235; Gaz. vol. 134; p. 1222.
 Nut, Lock-. H. J. Swain. No. 891,574; June 23; Sp. p. 4851; Dr. p. 1045; Gaz. vol. 134; p. 1924.
 Nut, Lock-. D. L. Appelberry. No. 894,716; July 28; Sp. p. 4852; Dr. p. 1008; Gaz. vol. 135; p. 847.
 Nut, Lock-. W. E. Rosen. No. 896,465; Aug. 18; Sp. p. 3357; Dr. p. 723; Gaz. vol. 135; p. 1492.
 Nut, Lock-. H. L. Smith. No. 897,168; Aug. 25; Sp. p. 4624; Dr. p. 1026; Gaz. vol. 135; p. 1746.
 Nut, Lock-. J. L. Kalmbacher. No. 897,208; Aug. 25; Sp. p. 4887; Dr. p. 1041; Gaz. vol. 135; p. 1757.
 Nut-lock and antirattler, Combined. J. W. Koch. No. 878,143; Feb. 4; Sp. p. 491; Dr. p. 105; Gaz. vol. 132; p. 930.
 Nut-lock, Automatic. J. T. Clark. No. 904,937; Nov. 24; Sp. p. 4964; Gaz. vol. 137; p. 885.
 Nut-lock, Axle-. R. G. Roberts. No. 899,188; Sept. 22; Sp. p. 3851; Dr. p. 824; Gaz. vol. 136; p. 721.
 Nut-lock, Axle-spindle. W. O. C. Ellis. No. 883,102; Mar. 24; Sp. p. 5175; Dr. p. 1105; Gaz. vol. 133; p. 949.
 Nut-lock washer. E. Z. Wenrich. No. 883,505; Mar. 31; Sp. p. 6044; Dr. p. 1289; Gaz. vol. 133; p. 1113.
 Nut, Locking-. A. V. Bryce. No. 894,874; Aug. 4; Sp. p. 139; Dr. p. 30; Gaz. vol. 135; p. 924.
 Nut, Locking-. A. V. Bryce. No. 894,875; Aug. 4; Sp. p. 140; Dr. p. 31; Gaz. vol. 135; p. 925.
 Nut, Locking-. A. V. Bryce. No. 895,336; Aug. 4; Sp. p. 1129; Dr. p. 237; Gaz. vol. 135; p. 1082.
 Nut, Locking-. A. V. Bryce. No. 896,358; Aug. 18; Sp. p. 3143; Dr. p. 675; Gaz. vol. 135; p. 1456.
 Nut-locking device. I. Murphy. No. 890,685; June 16; Sp. p. 3020; Dr. p. 663; Gaz. vol. 134; p. 1602.
 Nut-machine. F. Lackner. No. 889,379; June 2; Sp. p. 378; Dr. pp. 87-90; Gaz. vol. 134; p. 1118.
 Nut-making machine. U. G. Davis. No. 887,597; May 12; Sp. p. 2569; Dr. p. 542; Gaz. vol. 134; p. 443.
 Nut-making machine. U. G. Davis. No. 895,976; Aug. 11; Sp. p. 2405; Dr. pp. 515-16; Gaz. vol. 135; p. 1312.
 Nut or bolt lock. B. E. Norris. No. 894,691; July 28; Sp. p. 4815; Dr. p. 999; Gaz. vol. 135; p. 840.
 Nut or pipe wrench. D. Stewart. No. 904,816; Nov. 24; Sp. p. 4704; Gaz. vol. 137; p. 845.
 Nut, Quick-release. W. and F. G. Folberth. No. 900,843; Oct. 13; Sp. p. 1651; Dr. p. 334; Gaz. vol. 136; p. 1354.
 Nut-retainer. S. E. Guthridge and J. F. Baker. No. 879,958; Feb. 25; Sp. p. 4291; Dr. p. 897; Gaz. vol. 132; p. 1631.
 Nut-retaining device. P. H. McTigue. No. 884,196; Apr. 7; Sp. p. 1104; Dr. p. 231; Gaz. vol. 133; p. 1364.
 Nut-tapping machine. O. A. Smith. No. 899,915; Sept. 29; Sp. p. 5310; Dr. pp. 1135-6; Gaz. vol. 136; p. 992.
 Nut-wrench. G. P. Sprague. No. 898,996; Sept. 15; Sp. p. 3466; Dr. p. 742; Gaz. vol. 136; p. 630.
 Nut-wrench. G. P. Sprague. No. 898,997; Sept. 15; Sp. p. 3467; Dr. p. 742; Gaz. vol. 136; p. 630.
 Nuts and bolts, Means for locking. B. J. Diplock. No. 887,382; May 12; Sp. p. 2158; Dr. p. 452; Gaz. vol. 134; p. 373.
 Nuts, Bleaching. W. Hills, Jr. No. 905,075; Nov. 24; Sp. p. 5212; Gaz. vol. 137; p. 931.
 Nuts, Making lock-. A. L. Eicher. No. 886,318; Apr. 28; Sp. p. 5436; Dr. p. 1140; Gaz. vol. 133; p. 2146.
 Nuts, Making screw-. A. G. Anderson. No. 900,341; Oct. 6; Sp. p. 565; Dr. p. 118; Gaz. vol. 136; p. 1161.
 Nuts to bolts or studs, Means for locking. R. E. Davis. No. 892,229; June 30; Sp. p. 6172; Dr. p. 1329; Gaz. vol. 134; p. 2173.
 Nutcracker. F. E. Proctor. No. 888,738; May 26; Sp. p. 4832; Dr. p. 1031; Gaz. vol. 134; p. 878.
 Nutcracker. P. H. Quackenbush. No. 896,044; Aug. 11; Sp. p. 2531; Dr. p. 551; Gaz. vol. 135; p. 1334.
 Nutcracker attachment. J. F. Moy. No. 883,558; Mar. 31; Sp. p. 6157; Dr. p. 1309; Gaz. vol. 133; p. 1127.
 Nutshell-breaking and kernel-extracting apparatus. E. W. J. Trevor. No. 879,096; Feb. 18; Sp. p. 3720; Dr. p. 781; Gaz. vol. 132; p. 1511.
 Oar. J. Lehman. No. 882,072; Mar. 17; Sp. p. 3195; Dr. p. 679; Gaz. vol. 133; p. 581.
 Oar-blade-shaping machine. W. W. Trevor. No. 899,356; Sept. 22; Sp. p. 4172; Dr. pp. 893-4; Gaz. vol. 136; p. 774.
 Oar, Bow-facing. C. H. Vessot and F. Cornu. No. 904,577; Nov. 24; Sp. p. 4204; Gaz. vol. 137; p. 765.
 Oar-operating device. J. A. Musgrove, Jr. No. 876,219; Jan. 7; Sp. p. 1044; Dr. p. 225; Gaz. vol. 132; p. 176.
 Oar, Pivoted. D. F. Merriman and R. L. Apfel. No. 888,520; May 26; Sp. p. 4384; Dr. p. 929; Gaz. vol. 134; p. 804.
 Object-receiver. J. Schmitz. No. 890,307; June 9; Sp. p. 2264; Dr. pp. 499-500; Gaz. vol. 134; p. 1447.
 Objects, Means for moving heavy. F. T. Gracey. No. 907,034; Dec. 15; Sp. p. 3686; Gaz. vol. 137; p. 1657.
 Observatory applicable for use in connection with military and other operations, Folding. C. P. E. Schneider and E. Rimailho. No. 892,686; July 7; Sp. p. 570; Dr. p. 121; Gaz. vol. 135; p. 101.
 Obstetrical appliance. A. M. Reed. No. 899,434; Sept. 22; Sp. p. 4307; Dr. p. 925; Gaz. vol. 136; p. 798.
 Odometer. W. W. Dudley, L. A. Greenleaf, and W. R. Dudley. No. 880,781; Mar. 3; Sp. p. 592; Dr. p. 126; Gaz. vol. 133; p. 102.
 Off-bearing machine. W. R. Waggoner. No. 885,809; Apr. 28; Sp. p. 4412; Dr. pp. 924-5; Gaz. vol. 133; p. 1976.
 Oil. W. N. Blakeman, Jr. No. 883,515; Mar. 31; Sp. p. 6066; Gaz. vol. 133; p. 1115.
 Oil. W. N. Blakeman, Jr. No. 883,519; Mar. 31; Sp. p. 6072; Gaz. vol. 133; p. 1116.
 Oil. W. N. Blakeman, Jr. No. 883,521; Mar. 31; Sp. p. 6076; Gaz. vol. 133; p. 1116.
 Oil. W. N. Blakeman, Jr. No. 883,522; Mar. 31; Sp. p. 6077; Gaz. vol. 133; p. 1116.
 Oil and its components, Manufacture of fusel-. F. Ehrlich. No. 885,591; Apr. 21; Sp. p. 3943; Gaz. vol. 133; p. 1874.
 Oil attachment for hand saws and the like. F. Culbertson. No. 876,695; Jan. 14; Sp. p. 2084; Dr. p. 453; Gaz. vol. 132; p. 368.
 Oil-burner. M. S. Conly. No. 876,898; Jan. 14; Sp. p. 2459; Dr. p. 537; Gaz. vol. 132; p. 433.
 Oil-burner. C. S. Evans. No. 878,374; Feb. 11; Sp. p. 2051; Dr. p. 425; Gaz. vol. 132; p. 1205.
 Oil-burner. P. B. Reed. No. 879,002; Feb. 11; Sp. p. 2295; Dr. p. 479; Gaz. vol. 132; p. 1244.
 Oil-burner. J. Gogel. No. 880,071; Feb. 25; Sp. p. 4512; Dr. p. 949; Gaz. vol. 132; p. 1667.
 Oil-burner. C. J. Church. No. 880,193; Feb. 25; Sp. p. 4749; Dr. p. 1006; Gaz. vol. 132; p. 1707.
 Oil-burner. O. E. Brown and A. M. Field. No. 881,540; Mar. 10; Sp. p. 2077; Dr. p. 454; Gaz. vol. 133; p. 378.
 Oil-burner. O. B. Lyon. No. 882,705; Mar. 24; Sp. p. 4397; Dr. p. 935; Gaz. vol. 133; p. 820.
 Oil-burner. R. C. Nelson. No. 888,644; May 26; Sp. p. 4650; Dr. p. 987; Gaz. vol. 134; p. 848.
 Oil-burner. M. A. Fesler. (Reissue.) No. 12,802; June 2; Sp. p. 1355; Dr. p. 309; Gaz. vol. 134; p. 1281.
 Oil-burner. W. C. Kirchhoff. No. 893,172; July 14; Sp. p. 1592; Dr. p. 338; Gaz. vol. 135; p. 289.
 Oil-burner. J. Schurs. No. 894,069; July 21; Sp. p. 3534; Dr. p. 724; Gaz. vol. 135; p. 615.
 Oil-burner. A. H. Newman. No. 895,668; Aug. 11; Sp. p. 1784; Dr. p. 379; Gaz. vol. 135; p. 1213.
 Oil-burner. J. C. Fitzsimmons. No. 897,611; Sept. 1; Sp. p. 765; Dr. p. 161; Gaz. vol. 136; p. 121.
 Oil-burner. A. D. Lee. No. 903,735; Nov. 10; Sp. p. 2390; Gaz. vol. 137; p. 420.
 Oil-burner. A. D. Lee. No. 903,736; Nov. 10; Sp. p. 2393; Gaz. vol. 137; p. 421.

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- Oil-burner. J. Harleman. No. 904,063; Nov. 17; Sp. p. 3103; Gaz. vol. 137; p. 564.
 Oil-burner. W. M. Milburn. No. 906,541; Dec. 15; Sp. p. 2765; Gaz. vol. 137; p. 1502.
 Oil-burner. J. E. Gruda. No. 908,249; Dec. 29; Sp. p. 6253; Gaz. vol. 137; p. 2126.
 Oil burner. Crude-. J. P. Donovan. No. 877,178; Jan. 21; Sp. p. 3091; Dr. p. 668; Gaz. vol. 132; p. 568.
 Oil burner. Crude-. J. N. Carter. No. 883,621; Mar. 31; Sp. p. 6263; Dr. p. 1336; Gaz. vol. 133; p. 1147.
 Oil burner. Crude-. A. D. Moore. No. 900,112; Oct. 6; Sp. p. 86; Dr. p. 17; Gaz. vol. 136; p. 1087.
 Oil burner. Crude-. J. H. Thieler. No. 902,629; Nov. 3; Sp. p. 194; Gaz. vol. 137; p. 33.
 Oil burner. Crude-. G. Tolver. No. 902,776; Nov. 3; Sp. p. 468; Gaz. vol. 137; p. 82.
 Oil burner. Hydrocarbon-. E. E. Flora. No. 908,084; Dec. 29; Sp. p. 5883; Gaz. vol. 137; p. 2070.
 Oil-burner. Stove. F. W. Horton. No. 894,503; July 28; Sp. p. 4440; Dr. p. 919; Gaz. vol. 135; p. 778.
 Oil-burning and steam-generating apparatus. W. N. Best and B. F. Mears. No. 894,362; July 28; Sp. p. 4155; Dr. p. 858; Gaz. vol. 135; p. 732.
 Oil-burning furnace. T. C. Mason. No. 905,550; Dec. 1; Sp. p. 890; Gaz. vol. 137; p. 1125.
 Oil-burning plants, System of regulation for. J. R. Atchison and C. R. Weymouth. No. 886,466; May 5; Sp. p. 248; Dr. pp. 51-3; Gaz. vol. 134; p. 46.
 Oil-cake-stripping machine. A. W. French. No. 902,869; Nov. 3; Sp. p. 685; Gaz. vol. 137; p. 114.
 Oil-can. W. E. Dillard. No. 875,697; Jan. 7; Sp. p. 36; Dr. p. 7; Gaz. vol. 132; p. 9.
 Oil-can. H. W. Hubbard. No. 881,241; Mar. 10; Sp. p. 1498; Dr. p. 322; Gaz. vol. 133; p. 283.
 Oil-can. C. D. Daymude. No. 883,790; Apr. 7; Sp. p. 217; Dr. p. 40; Gaz. vol. 133; p. 1228.
 Oil-can. J. W. Cushman. No. 885,840; Apr. 28; Sp. p. 4471; Dr. p. 939; Gaz. vol. 133; p. 1987.
 Oil-can. H. A. Tellerson. No. 889,491; June 2; Sp. p. 613; Dr. p. 143; Gaz. vol. 134; p. 1154.
 Oil-can. L. M. Foreman. No. 897,729; Sept. 1; Sp. p. 988; Dr. p. 210; Gaz. vol. 136; p. 159.
 Oil-can. H. Lane. No. 907,821; Dec. 29; Sp. p. 5344; Gaz. vol. 137; p. 1985.
 Oil-cleaning apparatus. L. W. Brown. No. 879,728; Feb. 18; Sp. p. 3783; Dr. pp. 793-4; Gaz. vol. 132; p. 1522.
 Oil-cloth, Manufacture of. M. Abrahams. No. 899,821; Sept. 29; Sp. p. 5132; Gaz. vol. 136; p. 963.
 Oil-cloth rack. C. C. Sisler. No. 903,016; Nov. 3; Sp. p. 975; Gaz. vol. 137; p. 161.
 Oil-cup. J. W. Kyle. No. 878,808; Feb. 11; Sp. p. 1933; Dr. p. 400; Gaz. vol. 132; p. 1184.
 Oil-cup. I. S. Van Loan. No. 885,893; Apr. 28; Sp. p. 4565; Dr. p. 957; Gaz. vol. 133; p. 2004.
 Oil-cup. E. M. Adams and E. A. Shutt. No. 896,343; Aug. 18; Sp. p. 3109; Dr. p. 668; Gaz. vol. 135; p. 1452.
 Oil-cup. W. McLain. No. 904,354; Nov. 17; Sp. p. 3737; Gaz. vol. 137; p. 665.
 Oil-cup, Automatic. E. J. Grant. No. 893,482; July 14; Sp. p. 2219; Dr. p. 466; Gaz. vol. 135; p. 390.
 Oil-cup, Automatic. O. Damon and W. L. Shoup. No. 896,974; Aug. 25; Sp. p. 4441; Dr. p. 949; Gaz. vol. 135; p. 1682.
 Oil-cups, Tool for cleaning. J. A. Knox. No. 903,582; Nov. 10; Sp. p. 2110; Gaz. vol. 137; p. 374.
 Oil-disintegrating apparatus. Fuel. H. Luckenbach. No. 889,701; June 2; Sp. p. 1010; Dr. p. 233; Gaz. vol. 134; p. 1221.
 Oil distributor, Lubricating-. L. Dubrulle. No. 900,154; Oct. 6; Sp. p. 172; Dr. p. 36; Gaz. vol. 136; p. 1101.
 Oil engine, Crude-. C. H. McClintock. No. 879,884; Feb. 25; Sp. p. 4118; Dr. p. 564; Gaz. vol. 132; p. 1604.
 Oil-extracting apparatus. V. J. Lauerman. No. 876,363; Jan. 14; Sp. p. 1343; Dr. p. 291; Gaz. vol. 132; p. 254.
 Oil feed or charge delivering device. J. E. Kimble. No. 892,267; June 30; Sp. p. 6244; Dr. pp. 1343-4; Gaz. vol. 134; p. 2185.
 Oil feeder, Lubricating-. S. A. Lehman. No. 889,248; June 2; Sp. p. 107; Dr. p. 25; Gaz. vol. 134; p. 1076.
 Oil from ship-turbine shaft-bearings, Means for collecting lubricating-. W. Kieser. No. 885,056; Apr. 21; Sp. p. 2842; Dr. p. 604; Gaz. vol. 133; p. 1704.
 Oil-furnace. E. A. Barnes. No. 900,695; Oct. 13; Sp. p. 1343; Dr. p. 274; Gaz. vol. 136; p. 1306.
 Oil-gasifier. W. H. Neher. No. 883,472; Mar. 31; Sp. p. 5976; Dr. p. 1275; Gaz. vol. 133; p. 1102.
 Oil-heater. J. T. Ray. No. 879,672; Feb. 18; Sp. p. 3672; Dr. p. 768; Gaz. vol. 132; p. 1503.
 Oil-heater. H. Dodel. No. 906,781; Dec. 15; Sp. p. 3220; Gaz. vol. 137; p. 1577.
 Oil-making machine, Olive-. P. E. Maggini. No. 890,079; June 9; Sp. p. 1769; Dr. p. 391; Gaz. vol. 134; p. 1371.
 Oil, Means for burning. T. C. Mason. No. 882,205; Mar. 17; Sp. p. 3438; Dr. p. 731; Gaz. vol. 133; p. 622.
 Oil or thermal cut-out. C. N. Pratt. No. 907,872; Dec. 29; Sp. p. 5438; Gaz. vol. 137; p. 2001.
 Oil-press. J. L. Hiegl. No. 900,927; Oct. 13; Sp. p. 1832; Dr. pp. 372-3; Gaz. vol. 136; p. 1380.
 Oil-spreader. W. M. Murray. No. 884,943; Apr. 14; Sp. p. 2600; Dr. pp. 549-50; Gaz. vol. 133; p. 1634.
 Oil-supply apparatus. F. E. Nelson. No. 906,735; Dec. 15; Sp. p. 3130; Gaz. vol. 137; p. 1563.
 Oil-switch. E. M. Gerry. No. 891,833; June 30; Sp. p. 5405; Dr. pp. 1168-9; Gaz. vol. 134; p. 2043.
 Oil-switch. E. M. Hewlett. No. 901,967; Oct. 27; Sp. p. 3966; Dr. p. 809; Gaz. vol. 136; p. 1786.
 Oil-switch. J. B. Opsahl. No. 908,123; Dec. 29; Sp. p. 5967; Gaz. vol. 137; p. 2082.
 Oil-switch, Electric. J. D. Hilliard, Jr. and C. E. Parsons. No. 882,388; Mar. 17; Sp. p. 3783; Dr. p. 808; Gaz. vol. 133; p. 682.
 Oil-switch, Rotary. H. L. Van Valkenburg. No. 891,306; June 23; Sp. p. 4291; Dr. pp. 937-8; Gaz. vol. 134; p. 1837.
 Oil-tank. R. K. Brundage. No. 890,756; June 16; Sp. p. 3188; Dr. p. 606; Gaz. vol. 134; p. 1626.
 Oil-tank automatic cut-off. H. C. Weitzel. No. 903,926; Nov. 17; Sp. p. 2841; Gaz. vol. 137; p. 519.
 Oil-tank, Non-explosive. F. W. Reiber. No. 888,739; May 26; Sp. p. 4833; Dr. p. 1031; Gaz. vol. 134; p. 878.
 Oil, Treating. J. A. Dubbs. No. 890,762; June 16; Sp. p. 3201; Dr. p. 699; Gaz. vol. 134; p. 1628.
 Oil-treating apparatus, Waste-. P. E. Moeck. No. 886,718; May 5; Sp. p. 784; Dr. p. 161; Gaz. vol. 134; p. 131.
 Oils and the like, Apparatus for the chemical purification of. J. Fischer. No. 873,370; Feb. 4; Sp. p. 962; Dr. p. 193; Gaz. vol. 132; p. 1005.
 Oils, Apparatus for treating waste. H. E. Haller. No. 886,696; May 5; Sp. p. 725; Dr. p. 149; Gaz. vol. 134; p. 122.
 Oils of marine engines, Means for recovering and regenerating lubricating-. G. B. Bibolini and C. Baulino. No. 877,163; Jan. 21; Sp. p. 3048; Dr. pp. 660-1; Gaz. vol. 132; p. 563.
 Oils, Purifying petroleum-. E. W. Wynne. No. 901,411; Oct. 20; Sp. p. 2810; Gaz. vol. 136; p. 1574.
 Oils, Refining, fractionating and reducing. W. C. and F. E. Wells. No. 877,620; Jan. 28; Sp. p. 3979; Dr. p. 860; Gaz. vol. 132; p. 733.
 Oils, Solidifying mineral. E. Raynaud. No. 879,193; Feb. 18; Sp. p. 2680; Gaz. vol. 132; p. 1347.
 Oilier. J. E. Thron. No. 897,561; Sept. 1; Sp. p. 661; Dr. p. 138; Gaz. vol. 136; p. 103.
 Oilier, Catechet-. A. D. Wiswall. No. 903,257; Nov. 10; Sp. p. 1453; Gaz. vol. 137; p. 267.
 Oilier for vehicles, Automatic. F. T. Musso. No. 901,460; Oct. 20; Sp. p. 2925; Dr. p. 596; Gaz. vol. 136; p. 1591.
 Oilier, Gravity center. W. W. Nugent. No. 905,914; Dec. 8; Sp. p. 1587; Gaz. vol. 137; p. 1273.
 Oilier, Wheel-flange. F. G. Phillips. No. 893,193; July 14; Sp. p. 1638; Dr. p. 345; Gaz. vol. 135; p. 296.
 Oilier, Windmill-. H. E. Brown. No. 881,896; Mar. 17; Sp. p. 2824; Dr. p. 603; Gaz. vol. 133; p. 523.
 Oiling attachment. L. L. Logan. No. 897,753; Sept. 1; Sp. p. 1030; Dr. p. 219; Gaz. vol. 136; p. 167.
 Oiling device. B. H. Paddock and A. A. Dinwiddie. No. 879,794; Feb. 18; Sp. p. 3899; Dr. p. 817; Gaz. vol. 132; p. 1543.
 Oiling device. C. D. McClintock. No. 889,691; June 16; Sp. p. 3033; Dr. p. 666; Gaz. vol. 134; p. 1604.
 Oiling device, Automatic. J. B. Bariani. No. 895,532; Aug. 11; Sp. p. 1523; Dr. p. 322; Gaz. vol. 135; p. 1170.
 Oiling device for pressurized fluid motors. J. A. Vincent. No. 894,411; July 28; Sp. p. 4266; Dr. p. 880; Gaz. vol. 135; p. 747.
 Oiling device, Valve-. B. Aikman. No. 886,461; May 5; Sp. p. 240; Dr. p. 50; Gaz. vol. 134; p. 45.
 Oiling device, Wheel-. G. W. Patten. No. 897,999; Sept. 8; Sp. p. 1571; Dr. p. 335; Gaz. vol. 136; p. 279.
 Oiling system for engines. M. W. Smith. No. 891,785; June 23; Sp. p. 5282; Dr. pp. 1143-4; Gaz. vol. 134; p. 1996.
 Olive and pickle fork. F. I. Johnson. No. 902,661; Nov. 3; Sp. p. 249; Gaz. vol. 137; p. 42.
 Omega-halogen-methyl anthraquinone compound. M. H. Isler. No. 893,507; July 14; Sp. p. 2278; Gaz. vol. 135; p. 399.
 Union cleaner and sorter. S. S. Wagner. No. 887,445; May 12; Sp. p. 2777; Dr. pp. 477-8; Gaz. vol. 134; p. 394.
 Union gathering and tossing machine. A. E. Lundy. No. 894,675; July 28; Sp. p. 4787; Dr. p. 994; Gaz. vol. 135; p. 835.
 Opera-chair. A. L. Levin. No. 880,314; Feb. 25; Sp. p. 4997; Dr. pp. 1054-5; Gaz. vol. 132; p. 1748.
 Operating and fracture table. J. H. Downey. No. 891,678; June 23; Sp. p. 5083; Dr. p. 1097; Gaz. vol. 134; p. 1960.
 Operating-table. J. H. Downey. No. 876,044; Jan. 7; Sp. p. 690; Dr. p. 148; Gaz. vol. 132; p. 119.
 Operating-table. J. H. Downey. No. 891,679; June 23; Sp. p. 5086; Dr. pp. 1097-8; Gaz. vol. 134; p. 1960.
 Operating-table. C. E. Wood. No. 907,348; Dec. 22; Sp. p. 4513; Gaz. vol. 137; p. 1826.
 Operating-table, Orthopedic. G. W. Haas. No. 885,243; Apr. 21; Sp. p. 3249; Dr. p. 678; Gaz. vol. 133; p. 1765.
 Operating-table, Veterinary. K. F. Nodacker. No. 906,817; Dec. 15; Sp. p. 3284; Gaz. vol. 137; p. 1589.
 Operating-tables, Stretching attachment for. G. R. De Nise. No. 902,947; Nov. 3; Sp. p. 836; Gaz. vol. 137; p. 138.
 Ophthalmometer. J. H. Sutcliffe. No. 890,580; June 9; Sp. p. 2773; Dr. p. 613; Gaz. vol. 134; p. 1535.
 Ophthalmoscope. H. L. De Zeng. No. 887,032; May 5; Sp. p. 1376; Dr. p. 292; Gaz. vol. 134; p. 229.
 Optical clamp-pincers. P. B. Hart. No. 907,347; Dec. 22; Sp. p. 4329; Gaz. vol. 137; p. 1797.
 Optical testing instrument. J. F. Fort. No. 893,232; July 14; Sp. p. 1708; Dr. p. 360; Gaz. vol. 135; p. 309.
 Optometer. C. Edeward. No. 900,715; Oct. 13; Sp. p. 1379; Dr. p. 281; Gaz. vol. 136; p. 1312.
 Order-holder. W. R. Wilson. No. 897,332; Sept. 1; Sp. p. 160; Dr. p. 34; Gaz. vol. 136; p. 25.
 Ordnance, Breech-loading. W. Y. Donahoe. No. 901,781; Oct. 20; Sp. p. 3631; Dr. p. 735; Gaz. vol. 136; p. 1700.
 Ordnance, Breech mechanism of. C. Holmstrom. No. 880,994; Mar. 3; Sp. p. 1012; Dr. pp. 217-18; Gaz. vol. 133; p. 172.

Alphabetical list of inventions—Continued.

- Ordnance, Breech-operating mechanism for. C. P. E. Schneider. No. 896,669; Aug. 18; Sp. p. 3739; Dr. pp. 805-6; Gaz. vol. 135; p. 1555.
 Ordnance, Device for sighting and training quick-firing. A. T. Dawson and G. T. Buckham. No. 891,601; June 23; Sp. p. 4895; Dr. p. 1055; Gaz. vol. 134; p. 1932.
 Ordnance firing mechanism. E. Schneider. No. 883,576; Mar. 31; Sp. p. 6184; Dr. pp. 1315-17; Gaz. vol. 133; p. 1132.
 Ordnance, Firing mechanism for. H. T. Wheeler. No. 876,510; Jan. 14; Sp. p. 1671; Dr. pp. 363-5; Gaz. vol. 132; p. 305.
 Ordnance, Firing mechanism for. H. T. Wheeler. No. 879,225; Feb. 18; Sp. p. 2732; Dr. p. 569; Gaz. vol. 132; p. 1357.
 Ordnance, Protecting-shield for light. F. Charron. No. 890,603; June 16; Sp. p. 2854; Dr. p. 628; Gaz. vol. 134; p. 1575.
 Ordnance, Range-indicator for. A. T. Dawson and J. Horne. No. 890,411; June 9; Sp. p. 2451; Dr. pp. 542-4; Gaz. vol. 134; p. 1479.
 Ordnance, Sighting and working of quick-firing. A. T. Dawson and G. T. Buckham. (Reissue.) No. 12,833; July 21; Sp. p. 3755; Dr. pp. 776-8; Gaz. vol. 135; p. 649.
 Ordnance sighting apparatus. K. Völler. No. 897,023; May 5; Sp. p. 1360; Dr. pp. 288-90; Gaz. vol. 134; p. 226.
 Ore and materials, Rotary screen for. H. G. King. No. 882,070; Mar. 17; Sp. p. 3188; Dr. p. 698; Gaz. vol. 133; p. 580.
 Ore and other materials, Crusher for. H. Eggers. No. 893,713; July 21; Sp. p. 2699; Dr. p. 567; Gaz. vol. 135; p. 495.
 Ore, Apparatus for the magnetic separation of. G. Gröndal. No. 905,815; Dec. 1; Sp. p. 1380; Gaz. vol. 137; p. 1210.
 Ore-concentrating apparatus. E. Wurdack. No. 890,007; June 9; Sp. p. 1621; Dr. p. 363; Gaz. vol. 134; p. 1347.
 Ore-concentrating table. G. E. Woodbury. No. 882,511; Mar. 17; Sp. p. 3990; Dr. pp. 853-4; Gaz. vol. 133; p. 723.
 Ore-concentrating table. E. Deister. No. 895,168; Aug. 4; Sp. p. 778; Dr. p. 163; Gaz. vol. 135; p. 1024.
 Ore-concentrating table. E. Deister. No. 895,734; Aug. 11; Sp. p. 1923; Dr. p. 408; Gaz. vol. 135; p. 1235.
 Ore-concentrating table. C. Sherwood. No. 906,464; Dec. 8; Sp. p. 2615; Gaz. vol. 137; p. 1450.
 Ore-concentrator. F. Hörden. No. 876,713; Jan. 14; Sp. p. 2113; Dr. pp. 462-3; Gaz. vol. 132; p. 374.
 Ore-concentrator. E. M. Jahraus. No. 879,104; Feb. 11; Sp. p. 2488; Dr. p. 519; Gaz. vol. 132; p. 1276.
 Ore-concentrator. R. H. Manley. No. 881,013; Mar. 3; Sp. p. 1051; Dr. p. 227; Gaz. vol. 133; p. 179.
 Ore-concentrator. G. T. Cooley. No. 887,922; May 19; Sp. p. 3225; Dr. pp. 678-9; Gaz. vol. 134; p. 581.
 Ore-concentrator. F. G. Janney. No. 892,057; June 30; Sp. p. 5840; Dr. p. 1256; Gaz. vol. 134; p. 2115.
 Ore-concentrator. G. H. Davidson. No. 893,985; July 21; Sp. p. 3359; Dr. pp. 687-8; Gaz. vol. 135; p. 586.
 Ore-concentrator. E. Deister. No. 895,167; Aug. 4; Sp. p. 776; Dr. p. 162; Gaz. vol. 135; p. 1023.
 Ore-concentrator. E. Deister. No. 895,169; Aug. 4; Sp. p. 780; Dr. p. 163; Gaz. vol. 135; p. 1024.
 Ore-concentrator. E. Deister. No. 895,170; Aug. 4; Sp. p. 783; Dr. p. 163; Gaz. vol. 135; p. 1025.
 Ore-concentrator. F. E. McKinley. No. 897,223; Aug. 25; Sp. p. 4941; Dr. pp. 1049-50; Gaz. vol. 135; p. 1762.
 Ore-concentrator. A. H. Stebbins. No. 900,442; Oct. 6; Sp. p. 780; Dr. pp. 161-2; Gaz. vol. 136; p. 1195.
 Ore-concentrator. H. L. and E. A. Sultman. No. 902,018; Oct. 27; Sp. p. 4092; Dr. p. 830; Gaz. vol. 136; p. 1802.
 Ore-concentrator. U. S. James. No. 906,433; Dec. 8; Sp. p. 2560; Gaz. vol. 137; p. 1440.
 Ore-concentrator, Dry. G. Tolmie. No. 879,069; Feb. 11; Sp. p. 2406; Dr. pp. 503-4; Gaz. vol. 132; p. 1265.
 Ore-concentrator, Dry. J. Hubert. No. 880,995; Mar. 3; Sp. p. 1014; Dr. p. 218; Gaz. vol. 133; p. 173.
 Ore-concentrator feeding device. E. Deister. No. 895,075; Aug. 4; Sp. p. 596; Dr. p. 124; Gaz. vol. 135; p. 993.
 Ore-concentrator, Submerged. C. L. Buckingham. No. 884,636; Apr. 14; Sp. p. 1959; Dr. p. 421; Gaz. vol. 133; p. 1535.
 Ore-concentrators, Drive mechanism for. G. E. Woodbury. No. 882,512; Mar. 17; Sp. p. 3990; Dr. p. 854; Gaz. vol. 133; p. 723.
 Ore-concentrators, Slime-saving device for. B. E. Duggan. No. 889,300; June 2; Sp. p. 210; Dr. p. 53; Gaz. vol. 134; p. 1092.
 Ore-crusher. C. O. Michaelsen. No. 887,003; May 5; Sp. p. 1321; Dr. p. 278; Gaz. vol. 134; p. 219.
 Ore-crushing machine. J. B. Albers. No. 876,892; Jan. 14; Sp. p. 2447; Dr. p. 533; Gaz. vol. 132; p. 431.
 Ore-crushing machine. F. M. Pettengill. No. 893,540; July 14; Sp. p. 2346; Dr. p. 491; Gaz. vol. 135; p. 410.
 Ore, Dephosphorizing and reducing iron. J. T. Jones. No. 890,233; June 9; Sp. p. 2088; Gaz. vol. 134; p. 1422.
 Ore-discharge for jig-tanks. C. W. Whitman and T. S. Baldwin. No. 906,480; Dec. 8; Sp. p. 2645; Gaz. vol. 137; p. 1456.
 Ore dredging and separating apparatus. I. Stevenson and J. Cook. No. 878,575; Feb. 11; Sp. p. 1477; Dr. pp. 298-9; Gaz. vol. 132; p. 1108.
 Ore-drier. D. T. MacLeod. No. 893,338; July 14; Sp. p. 1906; Dr. p. 399; Gaz. vol. 135; p. 343.
 Ore-feeder. S. T. Graham. No. 899,527; Sept. 29; Sp. p. 4507; Dr. pp. 967-8; Gaz. vol. 136; p. 866.
 Ore-feeder. A. McCombie. No. 903,491; Nov. 10; Sp. p. 1914; Gaz. vol. 137; p. 344.
 Ore-grinding mill. C. D. McLure. No. 893,535; July 14; Sp. p. 2335; Dr. p. 489; Gaz. vol. 135; p. 408.
 Ore-jigger. E. Cohen. No. 894,604; July 28; Sp. p. 4650; Dr. pp. 964-5; Gaz. vol. 135; p. 811.
 Ore, Jigging machinery for dressing. G. J. Dawbarn. No. 888,964; May 26; Sp. p. 5338; Dr. p. 1133; Gaz. vol. 134; p. 953.
 Ore or other substances, Mechanism for agitating and handling. J. Smith. No. 894,174; July 21; Sp. p. 3748; Dr. pp. 774-5; Gaz. vol. 135; p. 648.
 Ore previous to cyaniding or the like, Means for treating crushed. H. L. Templer. No. 886,892; May 5; Sp. p. 1119; Dr. p. 234; Gaz. vol. 134; p. 184.
 Ore products, Treating crushed. W. A. Caldecott. No. 891,459; June 23; Sp. p. 4604; Dr. p. 1001; Gaz. vol. 134; p. 1887.
 Ore-reducing furnace. J. T. Jones. No. 890,229; June 9; Sp. p. 2082; Dr. p. 456; Gaz. vol. 134; p. 1421.
 Ore-reducing furnace. J. T. Jones. No. 891,549; June 23; Sp. p. 4794; Dr. p. 1037; Gaz. vol. 134; p. 1916.
 Ore-roaster. C. Robinson. No. 908,425; Dec. 29; Sp. p. 6617; Gaz. vol. 137; p. 2188.
 Ore roasting and briquetting apparatus. C. F. Buck. No. 899,507; Sept. 29; Sp. p. 4461; Dr. p. 958; Gaz. vol. 136; p. 859.
 Ore-roasting furnace. A. D. Lee. No. 876,567; Jan. 14; Sp. p. 1797; Dr. pp. 392-3; Gaz. vol. 132; p. 324.
 Ore-roasting furnace. W. H. Smyth. No. 891,300; June 23; Sp. p. 4282; Dr. p. 936; Gaz. vol. 134; p. 1835.
 Ore-sampler. C. L. Constant. No. 888,471; May 26; Sp. p. 4293; Dr. p. 909; Gaz. vol. 134; p. 789.
 Ore-screen. F. Franz. No. 889,673; June 2; Sp. p. 957; Dr. p. 221; Gaz. vol. 134; p. 1212.
 Ore separating and concentrating machine. W. P. Clifford. No. 895,725; Aug. 11; Sp. p. 1906; Dr. p. 404; Gaz. vol. 135; p. 1232.
 Ore-separating apparatus. T. Veitch. No. 880,430; Feb. 25; Sp. p. 5239; Dr. p. 1102; Gaz. vol. 132; p. 1786.
 Ore separating or concentrating machine. W. R. Lins. No. 898,119; Sept. 8; Sp. p. 1813; Dr. pp. 384-5; Gaz. vol. 136; p. 316.
 Ore-separator. A. Custer. No. 877,411; Jan. 21; Sp. p. 3542; Dr. p. 766; Gaz. vol. 132; p. 644.
 Ore-separator. J. R. Yount. No. 881,526; Mar. 10; Sp. p. 2057; Dr. p. 450; Gaz. vol. 133; p. 374.
 Ore-separator. J. E. Belt. No. 883,278; Mar. 31; Sp. p. 5560; Dr. p. 1186; Gaz. vol. 133; p. 1038.
 Ore-separator. J. G. Evans. No. 896,978; Aug. 25; Sp. p. 4454; Dr. p. 952; Gaz. vol. 135; p. 1683.
 Ore-separator. J. F. Pagett. No. 900,581; Oct. 6; Sp. p. 1089; Dr. pp. 223-4; Gaz. vol. 136; p. 1240.
 Ore-separator. J. G. Kirksey. No. 906,535; Dec. 15; Sp. p. 2757; Gaz. vol. 137; p. 1500.
 Ore-separator, Centrifugal. P. F. Peck. No. 879,893; Feb. 25; Sp. p. 4139; Dr. pp. 867-8; Gaz. vol. 132; p. 1608.
 Ore-separator, Centrifugal. P. F. Peck. No. 879,894; Feb. 25; Sp. p. 4153; Dr. pp. 868-9; Gaz. vol. 132; p. 1609.
 Ore-separator, Magnetic. R. R. Moffatt. No. 882,158; Mar. 17; Sp. p. 3335; Dr. pp. 711-12; Gaz. vol. 133; p. 607.
 Ore-separator, Magnetic. C. E. Stebbins. No. 899,348; Sept. 22; Sp. p. 4157; Dr. p. 890; Gaz. vol. 136; p. 771.
 Ore-tank, Revolving. A. J. Garver. No. 876,539; Jan. 14; Sp. p. 1739; Dr. pp. 377-8; Gaz. vol. 132; p. 315.
 Ore, Treating. J. T. Jones. No. 890,231; June 9; Sp. p. 2085; Dr. p. 457; Gaz. vol. 134; p. 1421.
 Ore, Treating. J. T. Jones. No. 891,704; June 23; Sp. p. 5130; Dr. pp. 1107-8; Gaz. vol. 134; p. 1969.
 Ore, Treating. J. T. Jones. No. 891,705; June 23; Sp. p. 5131; Dr. p. 1108; Gaz. vol. 134; p. 1969.
 Ore, Treating. J. H. Reid. No. 895,196; Aug. 4; Sp. p. 842; Dr. p. 177; Gaz. vol. 135; p. 1034.
 Ore, Treating. J. T. Jones. No. 899,405; Sept. 22; Sp. p. 4259; Dr. p. 914; Gaz. vol. 136; p. 789.
 Ore-treating apparatus. W. A. Hendryx. No. 889,128; May 26; Sp. p. 5657; Dr. p. 1198; Gaz. vol. 134; p. 1005.
 Ore-treating apparatus. D. N. Hood. No. 893,243; July 14; Sp. p. 1727; Dr. pp. 364-5; Gaz. vol. 135; p. 312.
 Ore-treating apparatus. W. C. Tracy. No. 896,955; Aug. 25; Sp. p. 4400; Dr. p. 941; Gaz. vol. 135; p. 1676.
 Ore-treating process. W. G. Swart. No. 882,217; Mar. 17; Sp. p. 3460; Dr. p. 736; Gaz. vol. 133; p. 625.
 Ore-washing machine. H. H. Meyer. No. 887,490; May 12; Sp. p. 2380; Dr. pp. 500-1; Gaz. vol. 134; p. 409.
 Ores and other materials, Rotary screen for. H. G. King. No. 905,325; Dec. 1; Sp. p. 376; Gaz. vol. 137; p. 1049.
 Ores, &c., Apparatus for conveying and discharging. P. Paton. No. 880,091; Feb. 25; Sp. p. 4547; Dr. pp. 957-8; Gaz. vol. 132; p. 1673.
 Ores, Apparatus for magnetically concentrating. H. Leighton. No. 877,439; Jan. 21; Sp. p. 3595; Dr. p. 779; Gaz. vol. 132; p. 654.
 Ores, Balling together of pulverulent or dusty. H. Dicke. No. 886,683; May 5; Sp. p. 688; Dr. p. 142; Gaz. vol. 134; p. 117.
 Ores by means of the precipitation process, Treatment of. A. H. Imbert. No. 894,383; July 28; Sp. p. 4199; Dr. p. 866; Gaz. vol. 135; p. 738.
 Ores containing arsenic, Treating. T. B. McGhie. No. 885,071; Apr. 21; Sp. p. 2863; Gaz. vol. 133; p. 1708.
 Ores containing zinc and other volatilizable metals for the production of oxids, Treating complex. G. M. Rice. No. 899,322; Sept. 22; Sp. p. 4116; Dr. p. 880; Gaz. vol. 136; p. 763.
 Ores, Dephosphorizing. J. T. Jones. No. 890,230; June 9; Sp. p. 2084; Dr. p. 457; Gaz. vol. 134; p. 1421.
 Ores, Desulfurizing. K. A. Johansson. No. 899,219; Sept. 22; Sp. p. 3905; Gaz. vol. 136; p. 731.
 Ores, Desulfurizing. R. Hübner. No. 906,883; Dec. 15; Sp. p. 3418; Gaz. vol. 137; p. 1609.
 Ores, Extracting uranium and vanadium from. H. Fleck, W. G. Haldane, and E. L. White. No. 890,584; June 9; Sp. p. 2789; Gaz. vol. 134; p. 1536.
 Ores, mattes, and metals for armor-plate, rails, &c., Smelting. W. E. Everette. No. 904,054; Nov. 17; Sp. p. 3681; Gaz. vol. 137; p. 560.

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- Ores, minerals, &c., Apparatus for the concentration of. J. C. Greenway. No. 895,363; Aug. 4; Sp. p. 1173; Dr. p. 246; Gaz. vol. 135; p. 1090.
- Ores of zinc, &c., Metallurgy of. F. Meyer. No. 879,482; Feb. 18; Sp. p. 3266; Dr. pp. 680-1; Gaz. vol. 132; p. 1441.
- Ores or mattes, Treating metallic. E. Günther and R. Franke. No. 879,633; Feb. 18; Sp. p. 3592; Gaz. vol. 132; p. 1490.
- Ores, Oxidizing. B. E. Eldred. No. 885,328; Apr. 21; Sp. p. 3428; Dr. p. 715; Gaz. vol. 133; p. 1794.
- Ores, Reducing. J. T. Jones. No. 880,799; Mar. 3; Sp. p. 629; Dr. p. 132; Gaz. vol. 133; p. 108.
- Ores, Reducing. G. F. Rendall. No. 903,318; Nov. 10; Sp. p. 1556; Gaz. vol. 137; p. 287.
- Ores, Reducing. G. L. Fogler. No. 908,234; Dec. 29; Sp. p. 6232; Gaz. vol. 137; p. 2121.
- Ores, Roasting and sintering. A. S. Dwight and R. L. Lloyd. No. 882,518; Mar. 17; Sp. p. 4020; Dr. p. 858; Gaz. vol. 133; p. 726.
- Ores, Separating the liquid from the solid portions of treated. E. P. Lynch. No. 885,004; Apr. 14; Sp. p. 2716; Dr. p. 576; Gaz. vol. 133; p. 1652.
- Ores, Smelting aluminum. F. J. Tone. No. 906,172; Dec. 8; Sp. p. 2078; Gaz. vol. 137; p. 1356.
- Ores, Treating. J. Savelsberg. No. 875,852; Jan. 7; Sp. p. 325; Gaz. vol. 132; p. 60.
- Ores, Treating. J. Patten and C. R. Barnett. No. 880,752; Mar. 3; Sp. p. 533; Dr. p. 111; Gaz. vol. 133; p. 93.
- Ores, Treating. S. C. C. Currie. No. 881,101; Mar. 3; Sp. p. 1213; Dr. p. 261; Gaz. vol. 133; p. 206.
- Ores, Treating. A. S. Dwight and R. L. Lloyd. No. 882,517; Mar. 17; Sp. p. 4012; Dr. p. 857; Gaz. vol. 133; p. 725.
- Ores, Treating. W. A. Hendryx. No. 889,129; May 26; Sp. p. 5659; Gaz. vol. 134; p. 1005.
- Ores, Treating. R. Baggaley. No. 895,939; Aug. 11; Sp. p. 2315; Dr. pp. 495-6; Gaz. vol. 135; p. 1300.
- Ores, Treating metalliferous. F. R. Carpenter. No. 904,838; Nov. 24; Sp. p. 4754; Gaz. vol. 137; p. 853.
- Ores, Treating sulfid. W. A. Hendryx. No. 893,580; July 14; Sp. p. 2443; Gaz. vol. 135; p. 422.
- Organ. J. Binnig. No. 882,736; Mar. 24; Sp. p. 4462; Dr. p. 950; Gaz. vol. 133; p. 830.
- Organ. E. de Kleist. No. 884,094; Apr. 7; Sp. p. 839; Dr. p. 181; Gaz. vol. 133; p. 1330.
- Organ-action, Electric. W. R. Whitehorse. No. 897,692; Sept. 1; Sp. p. 913; Dr. p. 195; Gaz. vol. 136; p. 146.
- Organ action, Reed-. G. Pedler. No. 893,362; July 14; Sp. p. 1956; Dr. p. 411; Gaz. vol. 135; p. 352.
- Organ, Electric. W. R. Whitehorse. No. 895,925; Aug. 11; Sp. p. 2288; Dr. p. 489; Gaz. vol. 135; p. 1295.
- Organ-operating mechanism, Reed-. H. E. Chute. No. 903,450; Nov. 10; Sp. p. 1821; Gaz. vol. 137; p. 331.
- Organ stop-action, Combination. A. E. Kent. No. 879,776; Feb. 18; Sp. p. 3866; Dr. p. 810; Gaz. vol. 132; p. 1537.
- Organ wind-chest, Pipe-. A. E. Kent. No. 896,452; Aug. 18; Sp. p. 3325; Dr. p. 716; Gaz. vol. 135; p. 1487.
- Organs, Pneumatic chest for pipe-. W. C. Verney. No. 879,503; Feb. 18; Sp. p. 3307; Dr. p. 692; Gaz. vol. 132; p. 1448.
- Ornamental article. R. W. Booth. No. 884,998; Apr. 14; Sp. p. 2707; Dr. p. 574; Gaz. vol. 133; p. 1651.
- Ornamental fabric and producing the same. E. J. Ryerson. No. 898,269; Sept. 8; Sp. p. 2091; Dr. p. 445; Gaz. vol. 136; p. 362.
- Orthopedic apparatus. F. Jacobson. No. 896,114; Aug. 18; Sp. p. 2664; Dr. p. 575; Gaz. vol. 135; p. 1378.
- Oscillating engine. J. Smith. No. 877,132; Jan. 21; Sp. p. 2984; Dr. pp. 644-5; Gaz. vol. 132; p. 552.
- Oscillating engine. J. F. Lindberg and J. Fitzgerald. No. 905,721; Dec. 1; Sp. p. 1201; Gaz. vol. 137; p. 1178.
- Oscillating engine. J. L. Pilling. No. 905,748; Dec. 1; Sp. p. 1256; Gaz. vol. 137; p. 1188.
- Oscillating engine, Reversible. J. L. Pilling. No. 905,747; Dec. 1; Sp. p. 1253; Gaz. vol. 137; p. 1188.
- Oscillating motor. H. F. W. Falkenberg. No. 879,091; Feb. 11; Sp. p. 2465; Dr. p. 514; Gaz. vol. 132; p. 1272.
- Oscillating motor. C. R. Nutt. No. 908,316; Dec. 29; Sp. p. 6379; Gaz. vol. 137; p. 2149.
- Oscillation-detector. C. E. Russell. No. 899,264; Sept. 22; Sp. p. 4021; Dr. pp. 858-9; Gaz. vol. 136; p. 746.
- Oscillation-detector. C. D. Babcock. No. 906,991; Dec. 15; Sp. p. 3609; Gaz. vol. 137; p. 1642.
- Oscillation-receiver. G. W. Pickard. No. 886,154; Apr. 28; Sp. p. 5116; Dr. p. 1075; Gaz. vol. 133; p. 2090.
- Oscillation-receiver. G. W. Pickard. No. 888,191; May 19; Sp. p. 3728; Dr. p. 781; Gaz. vol. 134; p. 666.
- Oscillations, Means of picking the deleterious effects of. C. Feldmann and J. Herzog. No. 898,858; Sept. 15; Sp. p. 3219; Dr. p. 690; Gaz. vol. 136; p. 586.
- Outlet-box. H. Becker. No. 877,880; Jan. 28; Sp. p. 4448; Dr. p. 970; Gaz. vol. 132; p. 815.
- Outlet-box. G. A. Lutz. No. 898,756; Sept. 15; Sp. p. 3035; Dr. p. 651; Gaz. vol. 136; p. 552.
- Outlet-box. H. A. Coffin. No. 901,593; Oct. 20; Sp. p. 3202; Dr. p. 656; Gaz. vol. 136; p. 1634.
- Outlet-box. E. L. Pierce. No. 904,011; Nov. 17; Sp. p. 2997; Gaz. vol. 137; p. 546.
- Outlet-box cover. G. B. McBean. No. 887,496; May 12; Sp. p. 2391; Dr. p. 503; Gaz. vol. 134; p. 411.
- Outlet-box, Electric-installation. W. H. Vibber. No. 877,684; Jan. 28; Sp. p. 4103; Dr. p. 887; Gaz. vol. 132; p. 754.
- Oval-cutting machine. W. E. Herman. No. 877,422; Jan. 21; Sp. p. 3560; Dr. p. 770; Gaz. vol. 132; p. 648.
- Oven. G. R. Moon. No. 888,108; May 19; Sp. p. 3589; Dr. p. 751; Gaz. vol. 134; p. 641.
- Oven. E. A. Carpenter. No. 892,361; June 30; Sp. p. 6418; Dr. p. 1385; Gaz. vol. 134; p. 2215.
- Oven. H. Schubert. No. 902,175; Oct. 27; Sp. p. 4402; Dr. pp. 892-3; Gaz. vol. 136; p. 1852.
- Oven. I. A. Boeddener. No. 903,834; Nov. 17; Sp. p. 2614; Gaz. vol. 137; p. 485.
- Oven. V. V. Bolls. No. 907,102; Dec. 15; Sp. p. 3804; Gaz. vol. 137; p. 1677.
- Oven, Bake-. W. Ernst. No. 877,310; Jan. 21; Sp. p. 3352; Dr. p. 726; Gaz. vol. 132; p. 611.
- Oven, Bake-. G. Repp. No. 888,034; May 19; Sp. p. 3439; Dr. pp. 722-3; Gaz. vol. 134; p. 618.
- Oven, Baker's. J. F. Gornrd. No. 879,866; Feb. 25; Sp. p. 4086; Dr. p. 857; Gaz. vol. 132; p. 1599.
- Oven, Baker's. J. Middleby. No. 894,967; Aug. 4; Sp. p. 378; Dr. p. 77; Gaz. vol. 135; p. 956.
- Oven, Baking-. F. Kempter. No. 878,806; Feb. 11; Sp. p. 1930; Dr. p. 399; Gaz. vol. 132; p. 1183.
- Oven, Baking-. I. H. Pawlick. No. 885,173; Apr. 21; Sp. p. 3103; Dr. pp. 653-4; Gaz. vol. 133; p. 1741.
- Oven-buildings, Iron structure for. K. Bernhard. No. 899,503; Sept. 29; Sp. p. 4453; Dr. p. 956; Gaz. vol. 136; p. 858.
- Oven, Camp-. W. H. Hart. No. 898,641; Sept. 15; Sp. p. 2831; Dr. p. 604; Gaz. vol. 136; p. 516.
- Oven-carriers, Actuating mechanism for. A. Mill and A. W. Copland. No. 887,828; May 19; Sp. p. 3042; Dr. p. 639; Gaz. vol. 134; p. 550.
- Oven, Coking-. E. Ledoux. No. 904,268; Nov. 17; Sp. p. 3547; Gaz. vol. 137; p. 635.
- Oven-door. W. A. Moore. No. 900,113; Oct. 6; Sp. p. 87; Dr. p. 18; Gaz. vol. 136; p. 1088.
- Oven, Draw-plate baking-. F. H. van Houten. No. 878,434; Feb. 4; Sp. p. 1080; Dr. p. 220; Gaz. vol. 132; p. 1026.
- Oven, Drying-. J. Horner. No. 894,145; July 21; Sp. p. 3682; Dr. p. 764; Gaz. vol. 135; p. 640.
- Oven, Drying-. C. P. Bascom. No. 905,047; Nov. 24; Sp. p. 5171; Gaz. vol. 137; p. 922.
- Oven, Feeding device. A. W. Copland. No. 891,816; June 30; Sp. p. 5368; Dr. p. 1162; Gaz. vol. 134; p. 2038.
- Oven, Fruit-drying. G. E. Link. No. 906,639; Dec. 15; Sp. p. 2942; Gaz. vol. 137; p. 1531.
- Oven-grate. I. Slapo. No. 878,831; Feb. 11; Sp. p. 1969; Dr. p. 408; Gaz. vol. 132; p. 1191.
- Oven heat retainer. C. Crossan. No. 904,311; Nov. 17; Sp. p. 3653; Gaz. vol. 137; p. 651.
- Oven-illuminating device, Bake-. C. N. Bergmann. No. 893,898; July 21; Sp. p. 3166; Dr. p. 651; Gaz. vol. 135; p. 557.
- Oven, Knockdown. W. R. Jeavons. No. 879,051; Feb. 11; Sp. p. 2369; Dr. p. 496; Gaz. vol. 132; p. 1259.
- Oven, Machine for filling breadstuffs into or on an. J. Dempsey. No. 901,677; Oct. 13; Sp. p. 2119; Dr. pp. 431-2; Gaz. vol. 136; p. 1429.
- Oven, Portable revolving baker's gas-. S. Stewart. No. 885,702; Apr. 21; Sp. p. 4170; Dr. pp. 873-4; Gaz. vol. 133; p. 1910.
- Oven, Rotary. W. Kosicky. No. 896,395; Aug. 18; Sp. p. 3212; Dr. p. 689; Gaz. vol. 135; p. 1468.
- Oven-shelf. W. L. Hogg. No. 890,861; June 16; Sp. p. 3388; Dr. p. 743; Gaz. vol. 134; p. 1660.
- Overalls. J. L. Cheshire. No. 887,588; May 12; Sp. p. 2556; Dr. p. 539; Gaz. vol. 134; p. 440.
- Overalls. L. H. Wise. No. 900,050; Sept. 29; Sp. p. 5634; Dr. p. 1203; Gaz. vol. 136; p. 1036.
- Overalls. W. J. Cummings. No. 905,796; Dec. 1; Sp. p. 1347; Gaz. vol. 137; p. 1204.
- Overalls or other like garments, Antislipping protector for. B. Hestness. No. 907,050; Dec. 15; Sp. p. 3713; Gaz. vol. 137; p. 1661.
- Overflow-alarm. A. W. Andersen and H. W. Hansen. No. 886,336; May 5; Sp. p. 1; Dr. p. 1; Gaz. vol. 134; p. 3.
- Overflow-gate. H. W. Blaisdell. No. 887,451; May 12; Sp. p. 2288; Dr. p. 480; Gaz. vol. 134; p. 396.
- Overhead-gate Automatic. H. A. Brooks. No. 884,564; Apr. 14; Sp. p. 1812; Dr. p. 389; Gaz. vol. 133; p. 1512.
- Overhead switch. R. B. and W. Loudon. No. 891,493; June 23; Sp. p. 4678; Dr. p. 1014; Gaz. vol. 134; p. 1898.
- Overshoe. E. P. Rickert. No. 881,153; Mar. 10; Sp. p. 1320; Dr. p. 285; Gaz. vol. 133; p. 255.
- Overshoe. N. P. Bowler. (Reissue.) No. 12,822; July 7; Sp. p. 1167; Dr. p. 246; Gaz. vol. 135; p. 196.
- Overshoe. E. W. Chase. No. 907,222; Dec. 22; Sp. p. 4087; Gaz. vol. 137; p. 1753.
- Overshoe-clamp. E. W. Waltz. No. 901,132; Oct. 13; Sp. p. 2219; Dr. p. 452; Gaz. vol. 136; p. 1445.
- Overshoe-clasp. R. L. Milliken. No. 897,476; Sept. 1; Sp. p. 483; Dr. p. 103; Gaz. vol. 136; p. 77.
- Overshoe-fastener. J. Hopson. No. 889,374; June 2; Sp. p. 368; Dr. p. 85; Gaz. vol. 134; p. 1116.
- Overshoe-fastener. J. T. Hearn. No. 897,287; Sept. 1; Sp. p. 41; Dr. p. 10; Gaz. vol. 136; p. 110.
- Overshoe-fastener. J. H. Auld. No. 900,465; Oct. 6; Sp. p. 848; Dr. p. 172; Gaz. vol. 136; p. 1203.
- Overshoe-fastener. E. H. and S. H. King. No. 905,323; Dec. 1; Sp. p. 371; Gaz. vol. 137; p. 1048.
- Overshoe-fastener. E. H. and S. H. King. No. 905,324; Dec. 1; Sp. p. 374; Gaz. vol. 137; p. 1049.
- Overshoe. Heelless. P. H. Margulis. No. 885,628; Apr. 21; Sp. p. 4017; Dr. p. 839; Gaz. vol. 133; p. 1887.
- Overshoe-holder and trousers-supporter. J. M. Plunmer. No. 897,503; Sept. 8; Sp. p. 2546; Dr. p. 546; Gaz. vol. 136; p. 471.
- Overshoe-retainer. A. E. Peterson. No. 907,703; Dec. 22; Sp. p. 5109; Gaz. vol. 137; p. 1916.
- Oxid fumes from ores and furnace products, Obtaining. H. Pape. No. 877,114; Jan. 21; Sp. p. 2935; Gaz. vol. 132; p. 545.

Alphabetical list of inventions—Continued.

- Oxids, Reducing metallic. E. F. Price and F. M. Becket. No. 891,565; June 23; Sp. p. 4825; Gaz. vol. 134; p. 1921.
- Oxids, Reduction of refractory. K. A. Kühne. No. 878,210; Feb. 4; Sp. p. 655; Gaz. vol. 132; p. 952.
- Oxidizing means for solutions. W. B. McPherson. No. 877,445; Jan. 21; Sp. p. 3604; Dr. p. 780; Gaz. vol. 132; p. 655.
- Oxygen-cutting apparatus. H. P. Merriam. No. 890,289; June 9; Sp. p. 2223; Dr. p. 489; Gaz. vol. 134; p. 1440.
- Oxygen-generator. A. Beltzer. No. 895,331; Aug. 4; Sp. p. 1121; Dr. p. 236; Gaz. vol. 135; p. 1080.
- Oxygen or the like, Apparatus for administering. G. von Ach. No. 890,484; June 9; Sp. p. 2583; Dr. pp. 571-2; Gaz. vol. 134; p. 1501.
- Oyster-carrier. R. C. Bender. No. 881,653; Mar. 10; Sp. p. 2320; Dr. p. 502; Gaz. vol. 133; p. 417.
- Oyster-carrier. R. C. Bender. No. 888,298; May 19; Sp. p. 3932; Dr. p. 828; Gaz. vol. 134; p. 702.
- Oyster-carrier. R. C. Bender. No. 893,973; July 21; Sp. p. 3332; Dr. p. 683; Gaz. vol. 135; p. 582.
- Oyster-dredging chock. W. C. Todd. No. 908,168; Dec. 29; Sp. p. 6063; Gaz. vol. 137; p. 2095.
- Oyster-opener. A. H. Roters. No. 896,162; Aug. 18; Sp. p. 2741; Dr. p. 590; Gaz. vol. 135; p. 1392.
- Oyster-opener. C. C. Chancey. No. 903,055; Nov. 3; Sp. p. 1052; Gaz. vol. 137; p. 172.
- Oyster-opener. A. G. Molnar, Jr. No. 904,000; Nov. 17; Sp. p. 2970; Gaz. vol. 137; p. 343.
- Oyster-shucking apparatus. W. Klinge. No. 880,222; Feb. 25; Sp. p. 4823; Dr. p. 1021; Gaz. vol. 132; p. 1717.
- Ozone, Apparatus for the production of. J. R. Quain. No. 898,506; Sept. 15; Sp. p. 2553; Dr. p. 547; Gaz. vol. 136; p. 472.
- Ozone, Apparatus for the production of. J. Steynis. No. 906,081; Dec. 8; Sp. p. 1898; Gaz. vol. 137; p. 1325.
- Ozone, Producing and utilizing. H. N. Potter. No. 905,361; Dec. 1; Sp. p. 466; Gaz. vol. 137; p. 1061.
- Ozone-producing apparatus. A. C. Wood. No. 882,509; Mar. 17; Sp. p. 3986; Dr. p. 852; Gaz. vol. 133; p. 722.
- Ozone-producing apparatus. A. C. Wood. No. 882,510; Mar. 17; Sp. p. 3988; Dr. pp. 852-3; Gaz. vol. 133; p. 722.
- Ozone, Production of. J. Steynis. No. 906,468; Dec. 8; Sp. p. 2623; Gaz. vol. 137; p. 1452.
- Ozonizer. J. Steynis and H. Chaumat. No. 897,318; Sept. 1; Sp. p. 124; Dr. p. 26; Gaz. vol. 136; p. 19.
- Package. G. H. Patterson and A. Watson. No. 883,738; Apr. 7; Sp. p. 119; Dr. p. 21; Gaz. vol. 133; p. 1212.
- Package. R. P. Beatty. No. 898,821; Sept. 15; Sp. p. 3156; Dr. p. 675; Gaz. vol. 136; p. 573.
- Package and hanger for garments, Combined shipping-. M. M. Strauss. No. 888,201; May 19; Sp. p. 3746; Dr. p. 787; Gaz. vol. 134; p. 670.
- Package-binder. W. G. Richards. No. 894,054; July 21; Sp. p. 3510; Dr. p. 719; Gaz. vol. 135; p. 610.
- Package-box. I. J. Kuert. No. 884,338; Apr. 7; Sp. p. 1345; Dr. p. 237; Gaz. vol. 133; p. 1408.
- Package-carrier. C. J. Miller. No. 889,536; June 2; Sp. p. 694; Dr. p. 159; Gaz. vol. 134; p. 1168.
- Package-carrier. C. J. Miller and J. F. Canney. No. 889,537; June 2; Sp. p. 696; Dr. pp. 159-60; Gaz. vol. 134; p. 1168.
- Package-carrier. J. D. Lane. No. 891,710; June 23; Sp. p. 5139; Dr. p. 1110; Gaz. vol. 134; p. 1970.
- Package-closure. W. W. Anderson. No. 902,705; Nov. 3; Sp. p. 347; Gaz. vol. 137; p. 59.
- Package-fastener. F. S. Myers. No. 893,859; July 21; Sp. p. 3099; Dr. p. 634; Gaz. vol. 135; p. 545.
- Package for confections and other small articles. J. K. Farley, Jr. No. 894,263; July 28; Sp. p. 3958; Dr. p. 815; Gaz. vol. 135; p. 696.
- Package for cotton-batting. D. F. Fowler. No. 884,574; Apr. 14; Sp. p. 1835; Dr. p. 893; Gaz. vol. 133; p. 1515.
- Package for vaccine or virus, Aseptic. C. H. Higgins. No. 900,168; Oct. 6; Sp. p. 203; Dr. p. 41; Gaz. vol. 136; p. 1105.
- Package-handles, Machine for inserting wires in. C. Reynolds and A. J. Seaman. No. 891,734; June 23; Sp. p. 5177; Dr. pp. 1118-19; Gaz. vol. 134; p. 1977.
- Package, Moisture-proof. H. G. Eckstein. No. 881,561; Mar. 10; Sp. p. 2120; Dr. p. 463; Gaz. vol. 133; p. 886.
- Package-opener. H. W. Westerberg. No. 893,043; July 14; Sp. p. 1339; Dr. p. 283; Gaz. vol. 135; p. 243.
- Package or mail catcher. G. Zucher. No. 882,227; Mar. 17; Sp. p. 3480; Dr. p. 740; Gaz. vol. 133; p. 629.
- Package, Sealed wooden. H. U. Ruedy. No. 891,009; June 16; Sp. p. 3712; Dr. p. 810; Gaz. vol. 134; p. 1709.
- Package-tie. S. Percival. No. 880,241; Feb. 25; Sp. p. 4859; Dr. p. 1028; Gaz. vol. 132; p. 1724.
- Package-tie. T. Boyd. No. 882,863; Mar. 24; Sp. p. 4729; Dr. p. 1005; Gaz. vol. 133; p. 871.
- Package-tie. W. E. Fricke. No. 886,592; May 5; Sp. p. 498; Dr. p. 107; Gaz. vol. 134; p. 89.
- Package-tie. P. L. Wilkerson. No. 886,751; May 5; Sp. p. 853; Dr. p. 177; Gaz. vol. 134; p. 141.
- Package-tie. J. J. Drawe and W. J. Turnbull. No. 892,645; July 7; Sp. p. 1121; Dr. p. 235; Gaz. vol. 135; p. 187.
- Package-tie. J. J. Hughes. No. 894,652; July 28; Sp. p. 4734; Dr. p. 983; Gaz. vol. 135; p. 826.
- Package-tie. W. A. Hayne. No. 895,015; Aug. 4; Sp. p. 494; Dr. p. 99; Gaz. vol. 135; p. 974.
- Package-tie. E. L. Sharpe. No. 896,472; Aug. 18; Sp. p. 3378; Dr. p. 726; Gaz. vol. 135; p. 1495.
- Package-tie. G. H. Doughtrey. No. 898,192; Sept. 8; Sp. p. 1950; Dr. p. 417; Gaz. vol. 136; p. 339.
- Package-tie. A. H. Lageson. No. 900,746; Oct. 13; Sp. p. 1440; Dr. p. 292; Gaz. vol. 136; p. 1321.
- Package-tie. T. E. Lewis. No. 901,112; Oct. 13; Sp. p. 2186; Dr. p. 444; Gaz. vol. 136; p. 1439.
- Package-tie. C. M. Lancaster. No. 902,091; Oct. 27; Sp. p. 4227; Dr. p. 856; Gaz. vol. 136; p. 1825.
- Package-tie. S. B. Staley. No. 902,695; Nov. 3; Sp. p. 326; Gaz. vol. 137; p. 55.
- Package-tie. C. E. Hoover. No. 903,722; Nov. 10; Sp. p. 2373; Gaz. vol. 137; p. 417.
- Package-tie. C. M. Corlew. No. 905,289; Dec. 1; Sp. p. 318; Gaz. vol. 137; p. 1038.
- Package-tie. M. Gross and F. F. Frebault. No. 906,413; Dec. 8; Sp. p. 2518; Gaz. vol. 137; p. 1433.
- Package-tie. J. C. Pickens. No. 904,223; Nov. 17; Sp. p. 3456; Gaz. vol. 137; p. 620.
- Package-tying device. H. L. French. No. 893,234; July 14; Sp. p. 1713; Dr. p. 361; Gaz. vol. 135; p. 309.
- Packages, Metallic reinforcing means for. G. H. Millen and F. L. Van Dusen. No. 896,743; Aug. 25; Sp. p. 3917; Dr. p. 844; Gaz. vol. 135; p. 1603.
- Packaging-machine. W. A. Fanning. No. 880,374; Feb. 25; Sp. p. 5099; Dr. pp. 1078-9; Gaz. vol. 132; p. 1766.
- Packaging-machine. A. Day. No. 885,733; Apr. 28; Sp. p. 4248; Dr. p. 890; Gaz. vol. 133; p. 1951.
- Packaging-machine. F. Giroud. No. 890,976; June 16; Sp. p. 3645; Dr. pp. 794-6; Gaz. vol. 134; p. 1697.
- Packaging-machine. R. B. Polk. No. 894,643; Nov. 24; Sp. p. 4331; Gaz. vol. 137; p. 787.
- Packet-holder. F. A. Roussel. No. 879,591; Feb. 18; Sp. p. 3511; Dr. p. 735; Gaz. vol. 132; p. 1477.
- Packet-tying device. C. L. Jackson. No. 895,403; Aug. 4; Sp. p. 1248; Dr. p. 264; Gaz. vol. 135; p. 1103.
- Packets into paper or other like cups or cases, Machine for introducing. E. L. Bracy. No. 890,402; June 9; Sp. p. 2434; Dr. pp. 538-9; Gaz. vol. 134; p. 1476.
- Packing. C. H. Reynolds. No. 889,807; June 2; Sp. p. 1197; Dr. p. 277; Gaz. vol. 134; p. 1254.
- Packing. J. F. Comee. No. 890,408; June 9; Sp. p. 2448; Dr. p. 541; Gaz. vol. 134; p. 1478.
- Packing. J. P. Randerson. No. 892,620; July 7; Sp. p. 432; Dr. p. 95; Gaz. vol. 135; p. 79.
- Packing. G. R. Noble. No. 895,037; Aug. 4; Sp. p. 533; Dr. p. 108; Gaz. vol. 135; p. 982.
- Packing. O. Otto. No. 895,038; Aug. 4; Sp. p. 535; Dr. p. 109; Gaz. vol. 135; p. 982.
- Packing. A. F. Book. No. 900,653; Oct. 6; Sp. p. 1246; Dr. p. 255; Gaz. vol. 136; p. 1264.
- Packing. J. Grant. No. 901,339; Oct. 20; Sp. p. 2627; Dr. p. 540; Gaz. vol. 136; p. 1548.
- Packing. F. Henneböhl. No. 907,597; Dec. 22; Sp. p. 4850; Gaz. vol. 137; p. 1880.
- Packing and display case. J. W. Barber. No. 898,170; Sept. 8; Sp. p. 1912; Dr. p. 408; Gaz. vol. 136; p. 332.
- Packing and producing same. J. Ostrander. No. 902,318; Oct. 27; Sp. p. 4708; Dr. p. 953; Gaz. vol. 136; p. 1899.
- Packing and wiping waste. M. Samuel. No. 888,042; May 19; Sp. p. 3458; Dr. p. 725; Gaz. vol. 134; p. 620.
- Packing-box. E. P. Lehmann. No. 891,554; June 23; Sp. p. 4807; Dr. p. 1038; Gaz. vol. 134; p. 1918.
- Packing-box. J. Wahl. No. 896,491; Aug. 18; Sp. p. 3415; Dr. p. 735; Gaz. vol. 135; p. 1501.
- Packing box or carton. J. T. Ferres. No. 893,615; July 21; Sp. p. 2518; Dr. pp. 524-5; Gaz. vol. 135; p. 463.
- Packing box or carton. J. T. Ferres. No. 893,616; July 21; Sp. p. 2521; Dr. p. 525; Gaz. vol. 135; p. 464.
- Packing box or carton. J. G. Reber. No. 893,652; July 21; Sp. p. 2596; Dr. p. 541; Gaz. vol. 135; p. 476.
- Packing-box, Safety. P. J. Sisco. No. 888,855; May 26; Sp. p. 5105; Dr. p. 1088; Gaz. vol. 134; p. 916.
- Packing-case. W. D. Ballou. No. 898,169; Sept. 8; Sp. p. 1911; Dr. p. 408; Gaz. vol. 136; p. 532.
- Packing-case. A. B. and C. F. Boylan and C. L. Bennett. No. 899,097; Sept. 22; Sp. p. 3662; Dr. p. 784; Gaz. vol. 136; p. 691.
- Packing-case. A. T. Kruse. No. 905,193; Dec. 1; Sp. p. 142; Gaz. vol. 137; p. 1006.
- Packing-case. L. D. Morton. No. 905,449; Dec. 1; Sp. p. 681; Gaz. vol. 137; p. 1093.
- Packing-case, Sheet-metal. A. T. Kruse. No. 881,418; Mar. 10; Sp. p. 1848; Dr. p. 401; Gaz. vol. 133; p. 338.
- Packing-case, Sheet-metal. A. T. Kruse. No. 881,419; Mar. 10; Sp. p. 1849; Dr. p. 402; Gaz. vol. 133; p. 339.
- Packing-case, Sheet-metal. A. T. Kruse. No. 884,669; Apr. 14; Sp. p. 2063; Dr. p. 441; Gaz. vol. 133; p. 1546.
- Packing-case, Sheet-metal. A. T. Kruse. No. 884,670; Apr. 14; Sp. p. 2065; Dr. p. 441; Gaz. vol. 133; p. 1547.
- Packing-case, Sheet-metal. A. T. Kruse. No. 892,062; June 30; Sp. p. 5849; Dr. p. 1258; Gaz. vol. 134; p. 2117.
- Packing-case wall. G. F. Bishopric. No. 886,926; May 5; Sp. p. 1177; Dr. p. 247; Gaz. vol. 134; p. 195.
- Packing-cups, Machine for forming. C. Swan. No. 898,526; Sept. 15; Sp. p. 2596; Dr. p. 554; Gaz. vol. 136; p. 478.
- Packing, Cylinder-. J. K. Williams. No. 885,556; Apr. 21; Sp. p. 3888; Dr. p. 813; Gaz. vol. 133; p. 1865.
- Packing device. J. Saunders. No. 898,786; Sept. 15; Sp. p. 3094; Dr. p. 663; Gaz. vol. 136; p. 562.
- Packing device, Joint-making. F. Seebeck. No. 892,765; July 7; Sp. p. 729; Dr. p. 154; Gaz. vol. 135; p. 126.
- Packing, Fluid. S. Z. de Ferranti. No. 885,032; Apr. 21; Sp. p. 2791; Dr. p. 591; Gaz. vol. 133; p. 1696.
- Packing for explosion-engines, Piston-. J. J. McGee. No. 901,023; Oct. 13; Sp. p. 2020; Dr. p. 410; Gaz. vol. 136; p. 1412.
- Packing for gas-engine valve-stems. A. K. Schaap. No. 897,023; Aug. 25; Sp. p. 4549; Dr. p. 971; Gaz. vol. 135; p. 1699.

Alphabetical list of inventions—Continued.

- Packing for pipe-joints, Metallic. O. D. Hogue. No. 903,188; Nov. 10; Sp. p. 1305; Gaz. vol. 137; p. 244.
- Packing for piston-rods, valve-rods, and the like, Metallic. W. Harbinger. No. 883,799; Apr. 7; Sp. p. 248; Dr. p. 45; Gaz. vol. 133; p. 1232.
- Packing for piston-valves and pistons. J. T. Wilson. No. 898,541; Sept. 15; Sp. p. 2629; Dr. p. 562; Gaz. vol. 136; p. 483.
- Packing for pistons and piston-valves. J. T. Wilson. No. 898,617; Sept. 15; Sp. p. 2771; Dr. p. 592; Gaz. vol. 136; p. 508.
- Packing for rock-drills, Rod-. W. L. Smith. No. 890,808; June 16; Sp. p. 3294; Dr. pp. 721-2; Gaz. vol. 134; p. 1643.
- Packing for steam-engines, Piston-. J. J. McGee. No. 891,220; June 16; Sp. p. 4106; Dr. p. 901; Gaz. vol. 134; p. 1776.
- Packing for stuffing-boxes or similar devices. A. R. Trist. No. 885,405; Apr. 21; Sp. p. 3586; Dr. p. 751; Gaz. vol. 133; p. 1819.
- Packing, Journal-bearing. A. R. Scott. No. 888,937; May 26; Sp. p. 5280; Dr. p. 1120; Gaz. vol. 134; p. 945.
- Packing-machine. A. I. Hall. No. 892,046; June 30; Sp. p. 5820; Dr. p. 1252; Gaz. vol. 134; p. 2112.
- Packing-machine, Automatic. J. A. Gray. No. 897,091; Aug. 25; Sp. p. 4674; Dr. pp. 996-7; Gaz. vol. 135; p. 1720.
- Packing material. M. E. Ryan. No. 902,765; Nov. 3; Sp. p. 455; Gaz. vol. 137; p. 79.
- Packing, Metallic. G. D. Rollins. No. 878,238; Feb. 4; Sp. p. 704; Dr. p. 145; Gaz. vol. 132; p. 961.
- Packing, Metallic. G. D. Rollins. No. 894,537; July 28; Sp. p. 4500; Dr. p. 933; Gaz. vol. 135; p. 788.
- Packing, Metallic. S. Barnett. No. 894,791; July 28; Sp. p. 4992; Dr. p. 1042; Gaz. vol. 135; p. 871.
- Packing, Metallic. G. D. Rollins. No. 895,791; Aug. 11; Sp. p. 2045; Dr. p. 434; Gaz. vol. 135; p. 1253.
- Packing, Metallic. G. D. Rollins. No. 898,066; Sept. 8; Sp. p. 1712; Dr. p. 363; Gaz. vol. 136; p. 299.
- Packing, Metallic. S. Redfern. No. 903,229; Nov. 10; Sp. p. 1395; Gaz. vol. 137; p. 258.
- Packing, Metallic. G. D. Rollins. No. 905,103; Nov. 24; Sp. p. 5286; Gaz. vol. 137; p. 941.
- Packing, Metallic piston-. E. R. Humphrey and W. B. Martin. No. 899,303; Sept. 22; Sp. p. 4080; Dr. p. 872; Gaz. vol. 136; p. 757.
- Packing of pipe-joints. G. F. Miller. No. 878,655; Feb. 11; Sp. p. 1641; Dr. p. 336; Gaz. vol. 132; p. 1134.
- Packing or shipping box. J. T. Ferres. No. 881,567; Mar. 10; Sp. p. 2131; Dr. p. 465; Gaz. vol. 133; p. 388.
- Packing or shipping box. J. T. Ferres. No. 903,555; Nov. 10; Sp. p. 2048; Gaz. vol. 137; p. 366.
- Packing-pad. L. F. Flipse. No. 901,334; Oct. 20; Sp. p. 2617; Dr. p. 537; Gaz. vol. 136; p. 1546.
- Packing, Piston-. J. A. Scott. No. 885,652; Apr. 21; Sp. p. 4071; Dr. p. 851; Gaz. vol. 133; p. 1894.
- Packing, Piston-. P. E. Williams. No. 894,091; July 21; Sp. p. 3572; Dr. p. 735; Gaz. vol. 135; p. 623.
- Packing, Piston-. M. J. Quinn. No. 902,168; Oct. 27; Sp. p. 4389; Dr. p. 888; Gaz. vol. 136; p. 1850.
- Packing, Piston-. J. L. Downie. No. 906,394; Dec. 8; Sp. p. 2486; Gaz. vol. 137; p. 1427.
- Packing, Piston-rod. F. Duffy. No. 877,706; Jan. 28; Sp. p. 4132; Dr. p. 894; Gaz. vol. 132; p. 760.
- Packing, Piston-rod. L. M. Byrnes and G. H. Kendrick. No. 878,186; Feb. 4; Sp. p. 614; Dr. p. 126; Gaz. vol. 132; p. 945.
- Packing, Piston-rod. A. C. Schaefer. (Reissue). No. 12,806; June 2; Sp. p. 1367; Dr. p. 311; Gaz. vol. 134; p. 1282.
- Packing, Plunger-. T. Larsson. No. 876,977; Jan. 21; Sp. p. 2648; Dr. p. 576; Gaz. vol. 132; p. 499.
- Packing-receptacle. G. W. Baylis. No. 877,161; Jan. 21; Sp. p. 3045; Dr. p. 659; Gaz. vol. 132; p. 562.
- Packing register, Shingle-. A. B. Snyder. No. 908,162; Dec. 29; Sp. p. 6052; Gaz. vol. 137; p. 2096.
- Packing-ring for stuffing-boxes, Hollow. G. Huhn. No. 899,985; Sept. 29; Sp. p. 5477; Dr. p. 1166; Gaz. vol. 136; p. 1015.
- Packing-ring, Metallic. C. W. Carter. No. 892,978; July 14; Sp. p. 1191; Dr. pp. 250-1; Gaz. vol. 135; p. 226.
- Packing, Rod-. C. W. G. King. No. 875,934; Jan. 7; Sp. p. 471; Dr. p. 102; Gaz. vol. 132; p. 85.
- Packing, Rod-. J. C. Edgecumbe. No. 882,103; Mar. 17; Sp. p. 3247; Dr. p. 690; Gaz. vol. 133; p. 591.
- Packing, Rod-. O. J. Garlock. No. 883,534; Mar. 31; Sp. p. 6099; Dr. p. 1297; Gaz. vol. 133; p. 1120.
- Packing, Rod-. J. A. Scott. No. 885,651; Apr. 21; Sp. p. 4069; Dr. p. 850; Gaz. vol. 133; p. 1894.
- Packing, Rod-. J. P. Leander. No. 890,520; June 9; Sp. p. 2655; Dr. p. 586; Gaz. vol. 134; p. 1514.
- Packing, Rod-. R. L. Ambrose. No. 891,519; June 23; Sp. p. 4738; Dr. p. 1025; Gaz. vol. 134; p. 1907.
- Packing, Rod-. T. A. Johnston. No. 894,739; July 28; Sp. p. 4896; Dr. p. 1019; Gaz. vol. 135; p. 854.
- Packing, Rod-. O. J. Garlock. No. 894,880; Aug. 4; Sp. p. 170; Dr. pp. 36-7; Gaz. vol. 135; p. 927.
- Packing, Rod-. J. Felt. No. 896,287; Aug. 18; Sp. p. 3000; Dr. p. 645; Gaz. vol. 135; p. 1435.
- Packing, Rod-. G. K. Howard. No. 902,296; Oct. 27; Sp. p. 4651; Dr. p. 944; Gaz. vol. 136; p. 1894.
- Packing, Shaft-. J. Wilkinson. No. 876,613; Jan. 14; Sp. p. 1910; Dr. p. 416; Gaz. vol. 132; p. 341.
- Packing, Shaft-. G. Westinghouse. No. 883,155; Mar. 24; Sp. p. 5293; Dr. p. 1129; Gaz. vol. 133; p. 967.
- Packing-strips, Machine for cutting. J. J. Fearon. No. 894,617; July 28; Sp. p. 4670; Dr. pp. 969-70; Gaz. vol. 135; p. 815.
- Packing-table. L. Abraham. No. 888,681; May 26; Sp. p. 4741; Dr. p. 1007; Gaz. vol. 134; p. 861.
- Packing-tool. C. Grohman. No. 890,508; June 9; Sp. p. 2637; Dr. p. 583; Gaz. vol. 134; p. 1510.
- Packing, Valve-. F. Loedige. No. 887,405; May 12; Sp. p. 2204; Dr. p. 460; Gaz. vol. 134; p. 380.
- Pad: See Abdominal and hernia pad; Bath-pad; Blotting-pad; Bottle-cap pad; Collar-pad; Collar sweat-pad; Cotton-picker's knee-pad; Finger-pad; Harness-pad; Hoof-pad; Horseshoe-pad; Horseshoe-tip toe-pad; Inking-pad; Instep-pad; Knee-pad; Needle-pad; Packing-pad; Pneumatic pad; Shoulder-pad; Stamp-pad; Surgical pad; Table-pad; Telephone memorandum-pad; Ticket-pad; Truss-pad; Wax-pad.
- Pad. O. Neuberger. No. 885,778; Apr. 28; Sp. p. 4340; Dr. p. 910; Gaz. vol. 133; p. 1965.
- Pad for writing-machines, furniture, &c. C. C. Chrisman. No. 878,043; Feb. 4; Sp. p. 308; Dr. p. 65; Gaz. vol. 132; p. 898.
- Pads, Apparatus for the manufacture of packing-. H. Hayssen. No. 887,250; May 12; Sp. p. 1808; Dr. pp. 381-4; Gaz. vol. 134; p. 325.
- Pads, Composition of matter to be used in making copying-. E. O. G. Winkler. No. 904,590; Nov. 24; Sp. p. 4224; Gaz. vol. 137; p. 769.
- Paddle-wheel. O. Brown. No. 880,353; Feb. 25; Sp. p. 5066; Dr. p. 1070; Gaz. vol. 132; p. 1760.
- Padlock. F. G. Snook. No. 877,676; Jan. 28; Sp. p. 4088; Dr. p. 885; Gaz. vol. 132; p. 751.
- Padlock. O. Katzenberger. No. 877,931; Feb. 4; Sp. p. 73; Dr. p. 15; Gaz. vol. 132; p. 861.
- Padlock. H. Swiggers. No. 880,932; Mar. 3; Sp. p. 905; Dr. p. 195; Gaz. vol. 133; p. 152.
- Padlock. C. E. Johnson. No. 881,591; Mar. 10; Sp. p. 2182; Dr. p. 476; Gaz. vol. 133; p. 397.
- Padlock. S. R. Fram. No. 882,192; Mar. 17; Sp. p. 3421; Dr. p. 727; Gaz. vol. 133; p. 618.
- Padlock. F. M. Merrill. No. 883,414; Mar. 31; Sp. p. 5858; Dr. p. 1248; Gaz. vol. 133; p. 1082.
- Padlock. F. M. Merrill. No. 883,417; Mar. 31; Sp. p. 5865; Dr. p. 1249; Gaz. vol. 133; p. 1083.
- Padlock. O. Hummel. No. 885,253; Apr. 21; Sp. p. 3268; Dr. p. 682; Gaz. vol. 133; p. 1769.
- Padlock. C. A. Erichson. No. 893,316; July 14; Sp. p. 1866; Dr. p. 390; Gaz. vol. 135; p. 336.
- Padlock. S. H. Manning. No. 896,843; Aug. 25; Sp. p. 4145; Dr. p. 888; Gaz. vol. 135; p. 1639.
- Padlock. J. Roschkyk. No. 906,294; Dec. 8; Sp. p. 2319; Gaz. vol. 137; p. 1398.
- Padlock. S. R. Fram. No. 907,026; Dec. 15; Sp. p. 3671; Gaz. vol. 137; p. 1654.
- Padlock attachment. S. E. Gladding. No. 880,520; Mar. 3; Sp. p. 55; Dr. p. 13; Gaz. vol. 133; p. 13.
- Padlock, Combination-. N. Tobias. No. 878,913; Feb. 11; Sp. p. 2128; Dr. p. 444; Gaz. vol. 132; p. 1217.
- Padlock, Combination-. E. E. Sutton. No. 889,061; May 26; Sp. p. 5500; Dr. p. 1169; Gaz. vol. 134; p. 983.
- Padlock, Combination-. J. J. Deal. No. 892,941; July 7; Sp. p. 1113; Dr. p. 234; Gaz. vol. 135; p. 185.
- Padlock, Combination-. R. Wrla. No. 906,354; Dec. 8; Sp. p. 2426; Gaz. vol. 137; p. 1416.
- Padlock, Keyless. G. W. Kone. No. 901,972; Oct. 27; Sp. p. 3974; Dr. p. 811; Gaz. vol. 136; p. 1788.
- Padlock, Keyless combination-. B. Kreuzberger. No. 888,910; May 26; Sp. p. 5233; Dr. p. 1109; Gaz. vol. 134; p. 936.
- Padlock, Permutation-. H. F. Crim and W. C. Loy. No. 879,747; Feb. 18; Sp. p. 3817; Dr. p. 800; Gaz. vol. 132; p. 1528.
- Padlock, Permutation-. G. L. Roman. No. 887,695; May 12; Sp. p. 2751; Dr. p. 581; Gaz. vol. 134; p. 475.
- Padlock, Permutation-. J. A. Cowie. No. 903,680; Nov. 10; Sp. p. 2305; Gaz. vol. 137; p. 404.
- Padlock, Permutation-. H. F. Crein and W. C. Loy. No. 904,182; Nov. 17; Sp. p. 3369; Gaz. vol. 137; p. 606.
- Padlock, Seal-. O. Sohni and H. Mehl. No. 902,456; Oct. 27; Sp. p. 5008; Dr. p. 1012; Gaz. vol. 136; p. 1945.
- Pail. J. H. Berry and C. M. Ricker. No. 904,924; Nov. 24; Sp. p. 4932; Gaz. vol. 137; p. 880.
- Pail cover, Milk-. J. R. Bostwick. No. 881,767; Mar. 10; Sp. p. 2527; Dr. p. 544; Gaz. vol. 133; p. 451.
- Pail cover, Milk-. M. C. Mason. No. 883,968; Apr. 7; Sp. p. 603; Dr. p. 121; Gaz. vol. 133; p. 1288.
- Pail, Dinner-. H. Barkley. No. 891,588; June 23; Sp. p. 4879; Dr. p. 1051; Gaz. vol. 134; p. 1928.
- Pail, Dinner-. H. B. Waltrip. No. 899,360; Sept. 22; Sp. p. 4182; Dr. p. 895; Gaz. vol. 136; p. 776.
- Pail, Dinner-. M. T. Rhea. No. 905,581; Dec. 1; Sp. p. 946; Gaz. vol. 137; p. 1134.
- Pail fastening and sealing device. H. G. Cordley. No. 906,201; Dec. 8; Sp. p. 2133; Gaz. vol. 137; p. 1366.
- Pail, Garbage-. I. H. Taylor. No. 890,818; June 16; Sp. p. 3313; Dr. p. 725; Gaz. vol. 134; p. 1647.
- Pail heating device, Dinner-. J. W. McKay and C. E. Waugh. No. 885,636; Apr. 21; Sp. p. 4030; Dr. p. 842; Gaz. vol. 133; p. 1889.
- Pail holder, Milk-. A. A. Giard. No. 890,354; June 9; Sp. p. 2353; Dr. p. 519; Gaz. vol. 134; p. 1461.
- Pail-holding device, Milk-. F. H. Peck. No. 906,273; Dec. 8; Sp. p. 2271; Gaz. vol. 137; p. 1390.
- Pail, Milk-. J. A. Cornell. No. 898,971; Sept. 15; Sp. p. 3420; Dr. p. 735; Gaz. vol. 136; p. 623.
- Pail, Milk-. M. M. Lahue. No. 905,716; Dec. 1; Sp. p. 1187; Gaz. vol. 137; p. 1177.
- Pail, Oyster-. J. G. Reber. No. 886,074; Apr. 28; Sp. p. 4960; Dr. p. 1043; Gaz. vol. 133; p. 2064.
- Pail, Oyster-. W. Heyser. No. 892,725; July 7; Sp. p. 659; Dr. p. 139; Gaz. vol. 135; p. 113.
- Pail, Paper. H. H. Stonebarger. No. 894,406; July 28; Sp. p. 4254; Dr. p. 878; Gaz. vol. 135; p. 746.
- Pail support, Milk-. J. Schuster. No. 882,211; Mar. 17; Sp. p. 3448; Dr. p. 733; Gaz. vol. 133; p. 623.
- Pail-supporting device. A. R. Pritchard. No. 877,595; Jan. 28; Sp. p. 3929; Dr. p. 850; Gaz. vol. 132; p. 725.

Alphabetical list of inventions—Continued.

- Pail-supporting device, Paint-. P. Richardson. No. 877,798; Jan. 28; Sp. p. 4295; Dr. p. 932; Gaz. vol. 132; p. 789.
- Pails, buckets, &c., Reinforcement for. M. E. Gray. No. 890,640; June 16; Sp. p. 2937; Dr. p. 643; Gaz. vol. 134; p. 1586.
- Paint. A. L. Berry. No. 885,973; Apr. 28; Sp. p. 4759; Gaz. vol. 133; p. 2033.
- Paint. G. D. Coleman. No. 903,675; Nov. 10; Sp. p. 2285; Gaz. vol. 137; p. 403.
- Paint and color exhibiting device. I. N. Hockaday. No. 886,057; Apr. 28; Sp. p. 4933; Dr. p. 1037; Gaz. vol. 133; p. 2059.
- Paint and making same, Mixed. W. F. Doerflinger. No. 884,475; Apr. 14; Sp. p. 1629; Gaz. vol. 133; p. 1483.
- Paint and rust removing machine. C. E. Grant. No. 894,628; July 28; Sp. p. 4694; Dr. p. 974; Gaz. vol. 135; p. 818.
- Paint and varnish, Antifouling. M. Ulrich. No. 906,668; Dec. 15; Sp. p. 2994; Gaz. vol. 137; p. 1540.
- Paint and varnish remover. J. M. Wilson and H. A. Harris. No. 890,479; June 9; Sp. p. 2576; Gaz. vol. 134; p. 1500.
- Paint and varnish remover. C. Ellis. No. 904,250; Nov. 17; Sp. p. 3517; Gaz. vol. 137; p. 629.
- Paint and varnish remover and preparing the same. L. Kramer. No. 882,947; Mar. 24; Sp. p. 4900; Gaz. vol. 133; p. 901.
- Paint and varnish removing preparation. W. Stuhlmiller. No. 885,396; Apr. 21; Sp. p. 3569; Gaz. vol. 133; p. 1816.
- Paint compound. W. N. Blakeman, Jr. No. 883,513; Mar. 31; Sp. p. 6062; Gaz. vol. 133; p. 1115.
- Paint compound. W. N. Blakeman, Jr. No. 883,517; Mar. 31; Sp. p. 6069; Gaz. vol. 133; p. 1115.
- Paint compound and making the same. W. N. Blakeman, Jr. No. 883,514; Mar. 31; Sp. p. 6064; Gaz. vol. 133; p. 1115.
- Paint compound and making the same. W. N. Blakeman, Jr. No. 883,518; Mar. 31; Sp. p. 6070; Gaz. vol. 133; p. 1116.
- Paint compound and making the same. W. N. Blakeman, Jr. No. 883,520; Mar. 31; Sp. p. 6073; Gaz. vol. 133; p. 1116.
- Paint, Fireproof. P. F. Apfel and R. L. Earnest. No. 882,774; Mar. 24; Sp. p. 4530; Gaz. vol. 133; p. 841.
- Paint-machine. V. Aranguren y Bustinza. No. 888,693; May 26; Sp. p. 4765; Dr. p. 1014; Gaz. vol. 134; p. 864.
- Paint, Manufacture of an antifouling. J. F. den Ouden. No. 891,724; June 23; Sp. p. 5167; Gaz. vol. 134; p. 1975.
- Paint or varnish remover. C. Ellis. No. 901,895; Oct. 20; Sp. p. 3812; Gaz. vol. 136; p. 1732.
- Paint package and palette, Combined. C. W. Bidwell. No. 908,382; Dec. 29; Sp. p. 6538; Gaz. vol. 137; p. 2172.
- Paint pot and brush holder. T. Carle, Jr. No. 881,054; Mar. 3; Sp. p. 1119; Dr. p. 242; Gaz. vol. 133; p. 191.
- Paint-remover and making the same. F. X. Govers. No. 885,151; Apr. 21; Sp. p. 3055; Gaz. vol. 133; p. 1735.
- Paint-removing apparatus. J. H. Storm, Jr. No. 887,743; May 12; Sp. p. 2845; Dr. p. 601; Gaz. vol. 134; p. 493.
- Paint-removing compound. A. J. Hoover. No. 902,404; Oct. 27; Sp. p. 4877; Gaz. vol. 136; p. 1927.
- Paint, Ship's. A. F. Horn. No. 898,476; Sept. 15; Sp. p. 2496; Gaz. vol. 136; p. 462.
- Paint-sprayer. H. Mikorey. No. 894,680; July 28; Sp. p. 4797; Dr. p. 996; Gaz. vol. 135; p. 836.
- Paint, varnish, and the like, Composition of matter for the removal of. G. H. Hull. No. 897,862; Sept. 1; Sp. p. 1270; Gaz. vol. 136; p. 200.
- Paints and other coatings, Producing. K. Lörlin. No. 894,159; July 21; Sp. p. 3703; Gaz. vol. 135; p. 643.
- Painter's hook. F. L. Rand. No. 882,965; Mar. 24; Sp. p. 4928; Dr. p. 1046; Gaz. vol. 133; p. 906.
- Painting apparatus. M. G. Barrier. No. 880,351; Feb. 25; Sp. p. 5062; Dr. p. 1069; Gaz. vol. 132; p. 1759.
- Painting machine, Graining-card-. J. W. and O. Stocker. No. 885,102; Apr. 21; Sp. p. 2927; Dr. p. 621-2; Gaz. vol. 133; p. 1718.
- Painting machine, Wheel-. H. P. Corbin. No. 883,172; Mar. 31; Sp. p. 5341; Dr. p. 1137; Gaz. vol. 133; p. 1002.
- Pan; See Ash-pan; Bake-pan; Baking-pan; Bed-pan; Cake-pan; Cooking-pan; Dish-pan; Dumping-pan; Dust-pan; Horse sanitary pan; Evaporating-pan; Extensible pan; Frying-pan; Locomotive ash-pan; Pie-pan; Vacuum-pan; Weigh-pan.
- Pan. M. A. Nash. No. 875,944; Jan. 7; Sp. p. 490; Dr. p. 106; Gaz. vol. 132; p. 89.
- Pan. A. E. Grochan. No. 888,160; May 19; Sp. p. 3675; Dr. p. 767; Gaz. vol. 134; p. 656.
- Pan and holder, Evaporating-. H. A. Stemmer. No. 907,195; Dec. 22; Sp. p. 4026; Gaz. vol. 137; p. 1745.
- Pan cleaning and greasing machine. H. Gottschalk. No. 886,722; Aug. 25; Sp. p. 3865; Dr. p. 836; Gaz. vol. 135; p. 1596.
- Pan-cleaning device. H. Gottschalk. No. 886,723; Aug. 25; Sp. p. 3866; Dr. p. 836; Gaz. vol. 135; p. 1596.
- Pan-handle. A. Vincent. No. 901,400; Oct. 20; Sp. p. 2791; Dr. p. 568; Gaz. vol. 136; p. 1571.
- Pan-handle, Detachable. E. Hickey. No. 906,801; Dec. 15; Sp. p. 3256; Gaz. vol. 137; p. 1584.
- Pan-holder and stove-lid lifter. B. Kessler. No. 899,992; Sept. 29; Sp. p. 5492; Dr. p. 1170; Gaz. vol. 136; p. 1017.
- Pan-lifter. C. Anderson. No. 906,986; Dec. 15; Sp. p. 3598; Gaz. vol. 137; p. 1641.
- Pane-securing means. N. Fells. No. 876,791; Jan. 14; Sp. p. 2241; Dr. p. 493; Gaz. vol. 132; p. 397.
- Pane-securing means. N. Fells. No. 895,356; Aug. 4; Sp. p. 1159; Dr. p. 243; Gaz. vol. 135; p. 1088.
- Panel-box. F. S. Wahl. No. 897,564; Sept. 1; Sp. p. 665; Dr. pp. 139-40; Gaz. vol. 136; p. 104.
- Panels or plates of material to frames, Means for holding. F. A. Winslow. No. 887,170; May 12; Sp. p. 1638; Dr. p. 348; Gaz. vol. 134; p. 301.
- Panelling. H. F. Hecker. No. 878,627; Feb. 11; Sp. p. 1589; Dr. p. 323; Gaz. vol. 132; p. 1125.
- Panelling. H. M. Robinson. No. 885,524; Apr. 21; Sp. p. 3809; Dr. p. 800; Gaz. vol. 133; p. 1855.
- Pantaloons-protector. M. Elzas. No. 898,200; Sept. 8; Sp. p. 1967; Dr. p. 419; Gaz. vol. 136; p. 341.
- Pants and drawers supporter. W. F. Craig. No. 886,679; May 5; Sp. p. 680; Dr. p. 140; Gaz. vol. 134; p. 116.
- Pants or skirt hanger, Adjustable. M. E. Davis. No. 907,321; Dec. 22; Sp. p. 4285; Gaz. vol. 137; p. 1789.
- Pants-presser. C. A. Nelson. No. 883,560; Mar. 31; Sp. p. 6159; Dr. pp. 1309-10; Gaz. vol. 133; p. 1127.
- Pantographic shifter. H. L. Falco. No. 906,209; Dec. 8; Sp. p. 2145; Gaz. vol. 137; p. 1368.
- Paper and letter holder. A. D. Albrecht. No. 895,324; Aug. 4; Sp. p. 1107; Dr. p. 232; Gaz. vol. 135; p. 1077.
- Paper and making the same, Gummed. R. A. McLaurin. No. 890,570; June 9; Sp. p. 2755; Dr. p. 609; Gaz. vol. 134; p. 1531.
- Paper and the like, Treatment of gum-. R. A. McLaurin. No. 882,336; Mar. 17; Sp. p. 3698; Dr. p. 786; Gaz. vol. 133; p. 666.
- Paper articles, Apparatus for the manufacturing of hollow. O. Schmidt. No. 908,148; Dec. 29; Sp. p. 6020; Gaz. vol. 137; p. 2091.
- Paper bag. R. Geldmacher. No. 883,797; Apr. 7; Sp. p. 246; Dr. p. 44; Gaz. vol. 133; p. 1231.
- Paper bag. H. G. Widmer. No. 904,167; Nov. 17; Sp. p. 3327; Gaz. vol. 137; p. 601.
- Paper bag. L. D. Benner. No. 908,380; Dec. 29; Sp. p. 6535; Gaz. vol. 137; p. 2172.
- Paper-bag forming and making machine. A. Day. No. 891,674; June 23; Sp. p. 5069; Dr. pp. 1094-6; Gaz. vol. 134; p. 1958.
- Paper-bag holder. F. Thomas. No. 878,473; Feb. 4; Sp. p. 1170; Dr. p. 237; Gaz. vol. 132; p. 1040.
- Paper-bag holder. C. Horrell. No. 879,772; Feb. 18; Sp. p. 3861; Dr. p. 809; Gaz. vol. 132; p. 1535.
- Paper-bag machine. W. A. Lorenz. No. 877,205; Jan. 21; Sp. p. 3142; Dr. p. 681; Gaz. vol. 132; p. 578.
- Paper-bag machine. C. F. Smith. No. 900,605; Oct. 6; Sp. p. 1143; Dr. p. 233-4; Gaz. vol. 136; p. 1248.
- Paper-bag-making machine. M. L. Hirsch and M. H. Eichberg. No. 903,570; Nov. 10; Sp. p. 2075; Gaz. vol. 137; p. 371.
- Paper-bag-manufacturing machines, Gripping and folding device for. P. L. Bartholomew. No. 875,884; Jan. 7; Sp. p. 383; Dr. p. 84; Gaz. vol. 132; p. 71.
- Paper bags and other articles, Holder for. E. C. Laird. No. 893,524; July 14; Sp. p. 2302; Dr. p. 483; Gaz. vol. 135; p. 404.
- Paper-beater packing-box. J. E. Maurer. No. 891,848; June 30; Sp. p. 5429; Dr. p. 1174; Gaz. vol. 134; p. 2048.
- Paper-binding strips, Holder for roll-. E. C. Elder. No. 906,518; Dec. 15; Sp. p. 2726; Gaz. vol. 137; p. 1495.
- Paper-board. M. B. Diskin. No. 881,098; Mar. 3; Sp. p. 1208; Gaz. vol. 133; p. 206.
- Paper, board, and pulp, Means for manufacturing. W. E. Sheehan. No. 902,178; Oct. 27; Sp. p. 4407; Dr. pp. 893-4; Gaz. vol. 136; p. 1854.
- Paper-board box. F. B. Davidson. No. 890,222; June 9; Sp. p. 2065; Dr. p. 453; Gaz. vol. 134; p. 1419.
- Paper-board container. J. W. Low. No. 886,710; May 5; Sp. p. 762; Dr. pp. 155-6; Gaz. vol. 134; p. 128.
- Paper-board, Machine for making combination. O. H. Moore. No. 887,007; May 5; Sp. p. 1326; Dr. pp. 279-82; Gaz. vol. 134; p. 220.
- Paper box. C. F. Pitkin. No. 879,488; Feb. 18; Sp. p. 3278; Dr. p. 685; Gaz. vol. 132; p. 1443.
- Paper box. H. C. Paris. No. 891,437; June 23; Sp. p. 4563; Dr. p. 993; Gaz. vol. 134; p. 1880.
- Paper box. H. H. Stonebarger. No. 892,463; July 7; Sp. p. 143; Dr. p. 31; Gaz. vol. 135; p. 28.
- Paper box. M. M. Rolleston. No. 894,699; July 28; Sp. p. 4828; Dr. p. 1003; Gaz. vol. 135; p. 842.
- Paper box. E. K. Lathrop. No. 900,557; Oct. 6; Sp. p. 1047; Dr. p. 214; Gaz. vol. 136; p. 1233.
- Paper box. G. R. Wyman. No. 900,904; Oct. 13; Sp. p. 1774; Dr. p. 359; Gaz. vol. 136; p. 1372.
- Paper box. J. T. Ferrer and W. H. Fairchild. No. 901,286; Oct. 13; Sp. p. 2514; Dr. p. 516; Gaz. vol. 136; p. 1495.
- Paper box and like article. W. H. Somers. No. 893,946; July 21; Sp. p. 3259; Dr. p. 671; Gaz. vol. 135; p. 573.
- Paper-box-blank-making machine. F. E. Davis. No. 907,011; Dec. 15; Sp. p. 3642; Gaz. vol. 137; p. 1649.
- Paper-box ends, Machine for closing and sealing. R. Y. Bradshaw. No. 902,273; Oct. 27; Sp. p. 4599; Dr. pp. 934-6; Gaz. vol. 136; p. 1883.
- Paper box, Folding. J. M. Yarnall. No. 880,952; Mar. 3; Sp. p. 936; Dr. p. 202; Gaz. vol. 133; p. 158.
- Paper, Box for keeping carbon-. F. C. Gottschalk. No. 892,661; July 7; Sp. p. 523; Dr. p. 110; Gaz. vol. 135; p. 93.
- Paper-box machine. C. W. Gay. No. 881,118; Mar. 10; Sp. p. 1245; Dr. pp. 268-9; Gaz. vol. 133; p. 242.
- Paper-box machine. F. E. Kuster. No. 887,820; May 19; Sp. p. 3020; Dr. pp. 635-6; Gaz. vol. 134; p. 548.
- Paper-box machine. A. W. Mitchell. No. 894,030; July 21; Sp. p. 3459; Dr. p. 707; Gaz. vol. 135; p. 602.
- Paper-box machine. A. W. Mitchell. No. 898,250; Sept. 8; Sp. p. 2066; Dr. p. 439; Gaz. vol. 136; p. 357.
- Paper box or container. J. C. Kimsey. No. 882,522; Mar. 17; Sp. p. 4038; Dr. p. 860; Gaz. vol. 133; p. 728.
- Paper boxes and the like articles, Reinforcing-stay for. C. W. Lewis. No. 905,355; Dec. 1; Sp. p. 403; Gaz. vol. 137; p. 1053.
- Paper bucket or box. B. B. McFadden. No. 900,115; Oct. 6; Sp. p. 90; Dr. p. 18; Gaz. vol. 136; p. 1088.
- Paper cartridge. J. J. Miller and J. Dreistadt, Jr. No. 878,818; Feb. 11; Sp. p. 1948; Dr. p. 403; Gaz. vol. 132; p. 1186.
- Paper-clip. M. E. Thompson. No. 876,667; Jan. 14; Sp. p. 2026; Dr. p. 442; Gaz. vol. 132; p. 359.
- Paper-clip. J. S. Root. No. 879,007; Feb. 11; Sp. p. 2302; Dr. p. 481; Gaz. vol. 132; p. 1246.
- Paper-clip. R. Corbin. No. 899,386; Sept. 22; Sp. p. 4223; Dr. p. 904; Gaz. vol. 136; p. 784.

Alphabetical list of inventions—Continued.

- Paper-clip. G. H. Cliff. No. 903,773; Nov. 10; Sp. p. 1269; Gaz. vol. 137; p. 240.
 Paper-clip. D. Johnson. No. 903,724; Nov. 10; Sp. p. 2374; Gaz. vol. 137; p. 418.
 Paper-clip. A. W. Friskey. No. 907,588; Dec. 22; Sp. p. 4833; Gaz. vol. 137; p. 1877.
 Paper clip or fastener. C. R. Bleakney. No. 878,497; Feb. 11; Sp. p. 1291; Dr. p. 260; Gaz. vol. 132; p. 1081.
 Paper-coating machine. J. B. Morrow. No. 879,787; Feb. 18; Sp. p. 3887; Dr. pp. 815-16; Gaz. vol. 132; p. 1541.
 Paper-coating machine. C. F. Spaulding. No. 883,359; Mar. 31; Sp. p. 5719; Dr. p. 1220; Gaz. vol. 133; p. 1063.
 Paper-coating machine. F. B. Davidson and W. Gorges. No. 890,221; June 9; Sp. p. 2057; Dr. pp. 451-3; Gaz. vol. 134; p. 1418.
 Paper-coating machine. M. Cantine. No. 894,366; July 28; Sp. p. 4168; Dr. pp. 860-1; Gaz. vol. 135; p. 733.
 Paper, Commercial. J. C. Bell. No. 881,291; Mar. 10; Sp. p. 1605; Dr. p. 344; Gaz. vol. 133; p. 299.
 Paper cores, Spindling plug for. W. H. Munroe. No. 880,687; Mar. 3; Sp. p. 388; Dr. p. 84; Gaz. vol. 133; p. 69.
 Paper cups, Machine for making. C. Tietzmann. No. 891,642; June 23; Sp. p. 4998; Dr. pp. 1077-9; Gaz. vol. 134; p. 1948.
 Paper-cutter. M. Nelson. No. 908,313; Dec. 29; Sp. p. 6372; Gaz. vol. 137; p. 2148.
 Paper cutting and folding machine. T. L. Brannen. No. 893,136; July 14; Sp. p. 1518; Dr. pp. 320-1; Gaz. vol. 135; p. 278.
 Paper-cutting machine. T. C. Dexter. No. 889,213; June 2; Sp. p. 48; Dr. pp. 12-13; Gaz. vol. 134; p. 1065.
 Paper-cutting machine. G. Fomm. No. 901,088; Oct. 13; Sp. p. 2135; Dr. p. 435; Gaz. vol. 136; p. 1432.
 Paper-cutting machine. G. Fomm. No. 904,474; Nov. 17; Sp. p. 3970; Gaz. vol. 137; p. 704.
 Paper-cutting machine, Power-actuated. S. A. Hand. No. 893,166; July 14; Sp. p. 1585; Dr. pp. 335-6; Gaz. vol. 135; p. 288.
 Paper, Device for detecting inaccurately fed sheets of. M. M. Kandle. No. 908,412; Dec. 29; Sp. p. 6592; Gaz. vol. 137; p. 2183.
 Paper-drier. A. C. Rice. No. 903,776; Nov. 10; Sp. p. 2478; Gaz. vol. 137; p. 434.
 Paper-feed-carriage alarm. F. H. Cottrill. No. 885,443; Apr. 21; Sp. p. 3647; Dr. p. 765; Gaz. vol. 133; p. 1830.
 Paper-feed mechanism. F. L. Wood. No. 886,454; May 5; Sp. p. 219; Dr. p. 47; Gaz. vol. 134; p. 41.
 Paper-feed mechanism. G. B. Maegly. No. 902,751; Nov. 3; Sp. p. 429; Gaz. vol. 137; p. 74.
 Paper-feeder elevator. K. B. Fletcher. No. 880,647; Mar. 3; Sp. p. 314; Dr. pp. 69-70; Gaz. vol. 133; p. 56.
 Paper-feeding machine. T. C. Dexter. No. 880,197; Feb. 25; Sp. p. 4753; Dr. pp. 1007-8; Gaz. vol. 132; p. 1708.
 Paper-feeding machine. T. C. Dexter. No. 880,198; Feb. 25; Sp. p. 4759; Dr. pp. 1008-9; Gaz. vol. 132; p. 1709.
 Paper-feeding machine. K. B. Fletcher. No. 880,872; Mar. 3; Sp. p. 798; Dr. pp. 168-9; Gaz. vol. 133; p. 134.
 Paper-feeding machine. T. C. Dexter. No. 886,117; Apr. 28; Sp. p. 5044; Dr. p. 1059-60; Gaz. vol. 133; p. 2078.
 Paper-feeding machine. T. C. Dexter. No. 886,118; Apr. 28; Sp. p. 5052; Dr. p. 1060-1; Gaz. vol. 133; p. 2079.
 Paper-feeding-machine attachment. J. Kleidmann. No. 907,610; Dec. 22; Sp. p. 4881; Gaz. vol. 137; p. 1884.
 Paper-feeding mechanism. O. W. Johnson. No. 895,465; Aug. 11; Sp. p. 1392; Dr. pp. 292-3; Gaz. vol. 135; p. 1147.
 Paper-file. C. Slemm, Jr. No. 907,647; Dec. 22; Sp. p. 4972; Gaz. vol. 137; p. 1896.
 Paper-folding machine. O. W. Johnson. No. 893,629; July 21; Sp. p. 2544; Dr. pp. 530-3; Gaz. vol. 135; p. 468.
 Paper for the automatic transmission of messages, &c., Apparatus for perforating fillets of. C. L. Buckingham and E. Germann. No. 880,275; Feb. 25; Sp. p. 4927; Dr. p. 1042; Gaz. vol. 132; p. 1735.
 Paper for use in type-written work to obtain manifold copies. A. J. Farmer. No. 878,717; Feb. 11; Sp. p. 1756; Dr. p. 363; Gaz. vol. 132; p. 1155.
 Paper, &c., from two single paper webs, Manufacture of card-. R. Kron. No. 897,543; Sept. 1; Sp. p. 625; Dr. p. 129; Gaz. vol. 136; p. 98.
 Paper-hanging device. R. Wissler. No. 880,852; Mar. 3; Sp. p. 752; Dr. p. 159; Gaz. vol. 133; p. 126.
 Paper-hanging device. J. F. Brennan. No. 882,092; Mar. 17; Sp. p. 3230; Dr. p. 687; Gaz. vol. 133; p. 588.
 Paper-hanging device, Wall-. D. Webster. No. 877,025; Jan. 21; Sp. p. 2765; Dr. p. 598; Gaz. vol. 132; p. 517.
 Paper-holder. S. B. Tily, M. O. and J. G. Rehuss. No. 886,092; Apr. 28; Sp. p. 4992; Dr. p. 1050; Gaz. vol. 133; p. 2069.
 Paper-holder. C. W. Harper. No. 896,532; Aug. 18; Sp. p. 3498; Dr. p. 751; Gaz. vol. 135; p. 1514.
 Paper-holder. T. Harris. No. 903,713; Nov. 10; Sp. p. 2356; Gaz. vol. 137; p. 414.
 Paper holder and cutter, Roll-. N. O. Daly. No. 905,853; Dec. 8; Sp. p. 1469; Gaz. vol. 137; p. 1253.
 Paper holder, Roll-. G. P. Burris. No. 901,520; Oct. 20; Sp. p. 3061; Dr. p. 625; Gaz. vol. 136; p. 1611.
 Paper holder, Sensitized-. A. Randall. No. 877,454; Jan. 21; Sp. p. 3617; Dr. p. 783; Gaz. vol. 132; p. 658.
 Paper holder, Toilet-. W. Lazar. No. 877,347; Jan. 21; Sp. p. 3410; Dr. p. 740; Gaz. vol. 132; p. 623.
 Paper holder, Toilet-roll-. T. T. Graser. No. 883,538; Mar. 31; Sp. p. 6109; Dr. pp. 1299-1300; Gaz. vol. 133; p. 1121.
 Paper-holding clamp. D. C. Gray. No. 898,460; Sept. 15; Sp. p. 2470; Dr. p. 528; Gaz. vol. 136; p. 457.
 Paper-interleaving machine. H. Sauter. No. 902,838; Nov. 3; Sp. p. 617; Gaz. vol. 137; p. 104.
 Paper, Machine for surface-finishing. C. W. Gay. No. 887,622; May 12; Sp. p. 2611; Dr. pp. 550-1; Gaz. vol. 134; p. 451.
 Paper machine, Roll-toilet-. G. H. Sibley. No. 886,332; Apr. 28; Sp. p. 5482; Dr. p. 1148; Gaz. vol. 133; p. 2151.
 Paper-machine suction-roll. W. H. Millsbaugh. No. 895,283; Aug. 4; Sp. p. 1035; Dr. p. 216; Gaz. vol. 135; p. 1064.
 Paper machine, Wall-. N. M. Purviance. No. 894,343; July 28; Sp. p. 4115; Dr. p. 850; Gaz. vol. 135; p. 725.
 Paper-machines and other purposes, Roll for. W. J. Asher. No. 896,346; Aug. 18; Sp. p. 3114; Dr. p. 669; Gaz. vol. 135; p. 1453.
 Paper-making machine. J. A. Dupont. No. 877,836; Jan. 28; Sp. p. 4372; Dr. p. 950; Gaz. vol. 132; p. 801.
 Paper-making-machine drive. J. H. Wallace. No. 904,582; Nov. 24; Sp. p. 4211; Gaz. vol. 137; p. 767.
 Paper-making machine, Embossed-wall-. A. Leisel. No. 885,351; Apr. 21; Sp. p. 3479; Dr. p. 725; Gaz. vol. 133; p. 1802.
 Paper-making-machine reel. E. J. Pope. No. 895,298; Aug. 4; Sp. p. 1071; Dr. p. 224; Gaz. vol. 135; p. 1069.
 Paper-making-machine roller and manufacturing same. W. E. Sheehan. No. 882,351; Mar. 17; Sp. p. 3726; Dr. p. 792; Gaz. vol. 133; p. 671.
 Paper-making-machine wire-guide. H. S. Harcourt. No. 906,877; Dec. 15; Sp. p. 3407; Gaz. vol. 137; p. 1607.
 Paper-making machines and the like, Cylinder-mold for. H. Parker. No. 902,505; Oct. 27; Sp. p. 5130; Dr. p. 1038; Gaz. vol. 136; p. 1963.
 Paper-making machines, Roller-press for. P. Escarfail. No. 878,946; Feb. 11; Sp. p. 2187; Dr. pp. 457-8; Gaz. vol. 132; p. 1227.
 Paper-making machinery. R. B. Wolf and H. E. Tidmarsh. No. 878,849; Feb. 11; Sp. p. 2005; Dr. p. 415; Gaz. vol. 132; p. 1196.
 Paper, Manufacture of. H. Gaara. No. 888,482; May 26; Sp. p. 4321; Dr. p. 914; Gaz. vol. 134; p. 792.
 Paper, Manufacture of copying-. A. and M. Pidelaserra y Brias. No. 901,824; Oct. 20; Sp. p. 3689; Gaz. vol. 136; p. 1709.
 Paper milk-bottle. J. J. Burke. No. 889,758; June 2; Sp. p. 1114; Dr. p. 259; Gaz. vol. 134; p. 1238.
 Paper-mills, wood-pulp factories, and the like, Method of and apparatus for straining the waste water in. H. Gaara and E. Hem. No. 895,212; Sept. 8; Sp. p. 1985; Dr. p. 423; Gaz. vol. 136; p. 344.
 Paper-music-sheet roller. L. B. Doman. No. 904,762; Nov. 24; Sp. p. 4577; Gaz. vol. 137; p. 827.
 Paper or cardboard box. W. R. Comings. No. 877,757; Jan. 28; Sp. p. 4226; Dr. p. 917; Gaz. vol. 132; p. 776.
 Paper or paper-board and the like, Producing. C. E. Nelson. No. 879,888; Feb. 25; Sp. p. 4129; Gaz. vol. 132; p. 1606.
 Paper or pasteboard, Compounding-machine for manufacturing. H. C. Hunter. No. 899,986; Sept. 29; Sp. p. 5478; Dr. p. 1166; Gaz. vol. 136; p. 1015.
 Paper package. O. L. Parmenter. No. 904,083; Nov. 17; Sp. p. 3143; Gaz. vol. 137; p. 570.
 Paper pail. B. I. Rike. No. 889,048; May 26; Sp. p. 5477; Dr. p. 1165; Gaz. vol. 134; p. 979.
 Paper pail. J. N. Davis. No. 903,455; Nov. 10; Sp. p. 1830; Gaz. vol. 137; p. 333.
 Paper pail. W. M. Kinnard. No. 903,481; Nov. 10; Sp. p. 1891; Gaz. vol. 137; p. 341.
 Paper pail. J. N. Davis. No. 906,779; Dec. 15; Sp. p. 3217; Gaz. vol. 137; p. 1577.
 Paper perforating, cutting, and delivery apparatus. R. M. Davidson. No. 901,892; Oct. 20; Sp. p. 3805; Dr. pp. 774-5; Gaz. vol. 136; p. 1731.
 Paper-pulp processes, Cooler for reclaimed liquor and gas in. G. F. Shevlin and F. D. Small. No. 880,247; Feb. 25; Sp. p. 4866; Dr. p. 1030; Gaz. vol. 132; p. 1726.
 Paper-pulp-screen box. J. Janson. No. 899,169; Sept. 22; Sp. p. 3811; Dr. p. 816; Gaz. vol. 136; p. 715.
 Paper receptacle. D. J. Jennings. No. 890,985; June 16; Sp. p. 3670; Dr. p. 799; Gaz. vol. 134; p. 1701.
 Paper receptacle. H. D. Thatcher. No. 891,878; June 30; Sp. p. 5492; Dr. p. 1187; Gaz. vol. 134; p. 2058.
 Paperreceptacle. G. W. Maxwell. No. 902,745; Nov. 3; Sp. p. 434; Gaz. vol. 137; p. 75.
 Paperreceptacle. C. T. Bloomer. No. 902,932; Nov. 3; Sp. p. 808; Gaz. vol. 137; p. 133.
 Paper-roll. M. Church. No. 877,755; Jan. 28; Sp. p. 4225; Dr. p. 916; Gaz. vol. 132; p. 776.
 Paper-roll holder. W. J. Meyer. No. 895,572; Aug. 11; Sp. p. 1592; Dr. p. 337; Gaz. vol. 135; p. 1181.
 Paper-roll holder. J. McNeil. No. 899,461; Sept. 22; Sp. p. 4356; Dr. p. 935; Gaz. vol. 136; p. 807.
 Paper-roll holder and printing device, Combined. W. B. Casey. No. 903,542; Nov. 10; Sp. p. 2021; Gaz. vol. 137; p. 361.
 Paper-roll plugs, Machine for making. H. Brubaker. No. 885,718; Apr. 28; Sp. p. 4215; Dr. pp. 881-2; Gaz. vol. 133; p. 1946.
 Paper, Roll toilet-. G. C. Mather. No. 877,853; Jan. 28; Sp. p. 4399; Dr. p. 957; Gaz. vol. 132; p. 807.
 Paper-sack holder. I. J. Simmons. No. 877,671; Jan. 28; Sp. p. 4080; Dr. p. 883; Gaz. vol. 132; p. 750.
 Paper serving or distributing device. M. Ehrlich. No. 888,072; May 19; Sp. p. 3507; Dr. p. 734; Gaz. vol. 134; p. 629.
 Paper-sheet-feeding machines, Corner-buckler for. A. A. and I. F. Mandell. No. 902,591; Nov. 3; Sp. p. 126; Gaz. vol. 137; p. 21.
 Paper sheets mutually folded in each other, Receptacle for holding and delivering singly. A. Baruch. No. 896,510; Aug. 18; Sp. p. 3456; Dr. p. 743; Gaz. vol. 135; p. 1508.
 Paper-shell-making machine. J. Chesney. No. 883,169; Mar. 31; Sp. p. 5329; Dr. p. 1136; Gaz. vol. 133; p. 1001.
 Paper-shell-making machine. J. Chesney. No. 892,362; June 30; Sp. p. 6420; Dr. p. 1386; Gaz. vol. 134; p. 2216.

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- Paper shells, Folder for closing the ends of. J. Chesney. No. 905,844; Dec. 8; Sp. p. 1447; Gaz. vol. 137; p. 1251.
- Paper-softening apparatus. T. Scherf. No. 905,465; Dec. 1; Sp. p. 707; Gaz. vol. 137; p. 1098.
- Paper to corrugated packing-boards, Applying surface. W. H. Latus. No. 891,428; June 23; Sp. p. 4552; Dr. p. 989; Gaz. vol. 134; p. 1877.
- Paper tray. F. B. Davidson. No. 892,030; June 30; Sp. p. 5781; Dr. pp. 1243-4; Gaz. vol. 134; p. 2106.
- Paper-treating tank. A. C. Rice. No. 888,741; May 26; Sp. p. 4836; Dr. pp. 1032-3; Gaz. vol. 134; p. 878.
- Paper-trimming machine. G. H. Davis. No. 890,340; June 9; Sp. p. 2326; Dr. p. 513; Gaz. vol. 134; p. 1457.
- Paper-trimming machine. C. Seybold. No. 894,402; July 28; Sp. p. 4245; Dr. pp. 876-7; Gaz. vol. 135; p. 745.
- Paper-tube-perforating machine. J. Gohy. No. 888,080; May 19; Sp. p. 3520; Dr. p. 736; Gaz. vol. 134; p. 631.
- Paper tubes, Machine for the production of. J. Gohy. No. 883,949; Apr. 7; Sp. p. 563; Dr. pp. 112-15; Gaz. vol. 133; p. 1283.
- Paper vessel. B. I. Rike. No. 877,001; Jan. 21; Sp. p. 2709; Dr. p. 587; Gaz. vol. 132; p. 508.
- Paper vessel. C. T. Bloomer. No. 883,855; Apr. 7; Sp. p. 374; Dr. p. 73; Gaz. vol. 133; p. 1251.
- Paper vessel. I. W. Hollett. No. 886,058; Apr. 28; Sp. p. 4934; Dr. p. 1037; Gaz. vol. 133; p. 2059.
- Paper vessel. C. T. Bloomer. No. 906,485; Dec. 8; Sp. p. 2658; Gaz. vol. 137; p. 1459.
- Paper vessel. J. N. Davis. No. 906,780; Dec. 15; Sp. p. 3218; Gaz. vol. 137; p. 1577.
- Paper-weight. B. S. Whitehead. No. 877,150; Jan. 21; Sp. p. 3024; Dr. p. 654; Gaz. vol. 132; p. 559.
- Papers, Liquid composition to be used in the manufacture of fancy stained. R. Schmiedel. No. 882,916; Mar. 24; Sp. p. 4831; Gaz. vol. 133; p. 889.
- Papering machine, Wall-. G. M. Charron. No. 888,222; May 19; Sp. p. 3789; Dr. pp. 794-5; Gaz. vol. 134; p. 678.
- Papering machine, Wall-. A. Chatelein. No. 903,672; Nov. 10; Sp. p. 2281; Gaz. vol. 137; p. 402.
- Para-aminoacetyl meta-toluidin. C. Heidenreich. No. 902,150; Oct. 27; Sp. p. 4343; Gaz. vol. 136; p. 1845.
- Parachute-arrow. C. R. Stewart. No. 888,668; May 26; Sp. p. 4712; Dr. p. 1003; Gaz. vol. 134; p. 857.
- Parachute, Rocket-. N. W. Aasen. No. 907,112; Dec. 22; Sp. p. 3857; Gaz. vol. 137; p. 1717.
- Paraffin, Apparatus for coating receptacles with. L. A. Wobbrock. No. 900,815; Oct. 13; Sp. p. 1595; Dr. p. 323; Gaz. vol. 136; p. 1345.
- Paraffining-receptacle device. E. C. Capper. No. 895,340; Aug. 4; Sp. p. 1134; Dr. p. 238; Gaz. vol. 135; p. 1083.
- Paraffining receptacles, Machine for. M. M. Hjermstad. No. 890,983; June 16; Sp. p. 3666; Dr. p. 799; Gaz. vol. 134; p. 1700.
- Paraffining vessels, Device for. E. C. Capper. No. 899,511; Sept. 29; Sp. p. 4470; Dr. p. 959; Gaz. vol. 136; p. 860.
- Parallel clamp. H. A. Adams. No. 893,831; July 21; Sp. p. 3046; Dr. p. 622; Gaz. vol. 135; p. 537.
- Parcel-carrier. L. Rieder. No. 899,806; Sept. 29; Sp. p. 5105; Dr. p. 1091; Gaz. vol. 136; p. 958.
- Parcel-tying device. L. Litsch. No. 896,646; Aug. 18; Sp. p. 3697; Dr. p. 795; Gaz. vol. 135; p. 1549.
- Parer and slicer, Fruit and vegetable. S. Nagasse. No. 881,329; Mar. 10; Sp. p. 1671; Dr. p. 359; Gaz. vol. 133; p. 311.
- Parer, Apple-. D. F. Hunt. No. 896,729; Aug. 25; Sp. p. 3874; Dr. p. 838; Gaz. vol. 135; p. 1598.
- Parer, Fruit-. D. F. Hunt. No. 900,018; Sept. 29; Sp. p. 5550; Dr. pp. 1182-3; Gaz. vol. 136; p. 1026.
- Paring-knife. E. B. Gibford. No. 891,925; June 30; Sp. p. 5581; Dr. p. 1203; Gaz. vol. 134; p. 2074.
- Paring-machine. L. G. Simpson. No. 899,340; Sept. 22; Sp. p. 4144; Dr. p. 887; Gaz. vol. 136; p. 769.
- Paring machine, Apple-. W. H. Boutell. No. 892,393; July 7; Sp. p. 9; Dr. pp. 2-3; Gaz. vol. 135; p. 4.
- Paring machine, Fruit-. W. H. Boutell. No. 892,394; July 7; Sp. p. 12; Dr. pp. 4-5; Gaz. vol. 135; p. 5.
- Paring-machines, Slicing and coring attachment for. J. F. Kohler. No. 897,109; Aug. 25; Sp. p. 4708; Dr. pp. 1003-4; Gaz. vol. 135; p. 1727.
- Paris-green distributor, Automatic. J. P. Fullilove. No. 879,535; Feb. 18; Sp. p. 3369; Dr. p. 704; Gaz. vol. 132; p. 1459.
- Partition construction, Fireproof-. E. Flagg. No. 907,024; Dec. 15; Sp. p. 3669; Gaz. vol. 137; p. 1654.
- Party-line-indicating key. C. C. Bradbury. No. 899,024; Sept. 22; Sp. p. 3530; Dr. p. 755; Gaz. vol. 136; p. 667.
- Party-line-indicating key. C. C. Bradbury. No. 899,379; Sept. 22; Sp. p. 4213; Dr. p. 902; Gaz. vol. 136; p. 782.
- Party-line indicating ringing key, Four-. C. S. Winston. No. 902,356; Oct. 27; Sp. p. 4795; Dr. p. 968; Gaz. vol. 136; p. 1913.
- Passenger-recorder. A. G. Grommet. No. 906,704; Dec. 15; Sp. p. 3065; Gaz. vol. 137; p. 1552.
- Passenger-recorder. C. Metzler. No. 897,762; Sept. 1; Sp. p. 1045; Dr. p. 225; Gaz. vol. 136; p. 169.
- Passenger-recording system for trains. W. E. Parr. No. 898,675; Sept. 15; Sp. p. 2885; Dr. pp. 617-19; Gaz. vol. 136; p. 526.
- Paste-box and dauber. E. M. Scranton. No. 888,756; May 26; Sp. p. 4875; Dr. p. 1038; Gaz. vol. 134; p. 884.
- Paste-cup. W. H. Redington. No. 893,653; July 21; Sp. p. 2599; Dr. p. 542; Gaz. vol. 135; p. 477.
- Paste-cup. W. Rodiger. No. 893,657; July 21; Sp. p. 2604; Dr. p. 543; Gaz. vol. 135; p. 478.
- Paste or cake of deflocculated material, Preparing. E. G. Acheson. No. 895,063; Aug. 4; Sp. p. 576; Gaz. vol. 135; p. 989.
- Paste-receptacle. G. L. Belcher. No. 901,061; Oct. 13; Sp. p. 2090; Dr. p. 425; Gaz. vol. 136; p. 1424.
- Paste-tube. C. M. Cole. No. 905,986; Dec. 8; Sp. p. 1726; Gaz. vol. 137; p. 1295.
- Pasting and feeding machine. J. J. Sullivan. No. 885,104; Apr. 21; Sp. p. 2930; Dr. p. 622; Gaz. vol. 133; p. 1719.
- Pasting-machine. N. Schroder. No. 879,329; Feb. 18; Sp. p. 2937; Dr. pp. 612-13; Gaz. vol. 132; p. 1392.
- Pasting-machine. J. R. Houchin. No. 884,927; Apr. 14; Sp. p. 2577; Dr. p. 542; Gaz. vol. 133; p. 1629.
- Pasteboard box. J. Godfrey. No. 879,865; Feb. 25; Sp. p. 4085; Dr. p. 856; Gaz. vol. 132; p. 1599.
- Pasteurization. A. Goetz and P. A. Jones. No. 902,812; Nov. 3; Sp. p. 543; Gaz. vol. 137; p. 94.
- Pasteurizer. J. C. Miller. No. 878,225; Feb. 4; Sp. p. 679; Dr. pp. 140-1; Gaz. vol. 132; p. 956.
- Pasteurizing and sterilizing apparatus. C. E. Hinman. No. 904,615; Nov. 24; Sp. p. 4267; Gaz. vol. 137; p. 777.
- Pasteurizing apparatus. E. J. Miller. No. 882,706; Mar. 24; Sp. p. 4398; Dr. p. 936; Gaz. vol. 133; p. 821.
- Pasteurizing apparatus. J. T. H. Paul. No. 886,012; Apr. 28; Sp. p. 4835; Dr. pp. 1015-17; Gaz. vol. 133; p. 2045.
- Pasteurizing apparatus. J. T. H. Paul. No. 886,013; Apr. 28; Sp. p. 4845; Dr. pp. 1017-20; Gaz. vol. 133; p. 2045.
- Pasteurizing apparatus. F. Tyson. No. 896,959; Aug. 25; Sp. p. 4411; Dr. pp. 942-3; Gaz. vol. 135; p. 1677.
- Pasteurizing apparatus. L. S. Pfouts. (Reissue.) No. 12,858; Sept. 29; Sp. p. 5633; Dr. p. 1213; Gaz. vol. 136; p. 1045.
- Pasteurizing apparatus. C. H. Loew. No. 902,826; Nov. 3; Sp. p. 578; Gaz. vol. 137; p. 99.
- Pasteurizing apparatus. F. Tyson. No. 903,029; Nov. 3; Sp. p. 1005; Gaz. vol. 137; p. 165.
- Pasteurizing apparatus. A. A. Pindstoffe. No. 904,986; Nov. 24; Sp. p. 5055; Gaz. vol. 137; p. 901.
- Pasteurizing apparatus. J. T. H. Paul. No. 907,639; Dec. 22; Sp. p. 4953; Gaz. vol. 137; p. 1893.
- Pasteurizing apparatus, Continuous. J. F. Meade. No. 887,335; May 12; Sp. p. 2046; Dr. pp. 427-8; Gaz. vol. 134; p. 358.
- Patrol-box for watchmen's time-keys. A. A. Newman. No. 883,736; Apr. 7; Sp. p. 114; Dr. p. 20; Gaz. vol. 133; p. 1211.
- Pattern: See Coat-pattern; Cylinder-pattern; Garment-pattern.
- Pattern. G. M. Laub. No. 886,378; May 5; Sp. p. 72; Dr. p. 15; Gaz. vol. 134; p. 16.
- Pattern-cutting device. W. L. Carson and G. R. Couls. No. 898,830; Sept. 15; Sp. p. 3171; Dr. p. 678; Gaz. vol. 136; p. 576.
- Pattern, Decorative-material. T. Pfister. No. 907,868; Dec. 29; Sp. p. 5434; Gaz. vol. 137; p. 2000.
- Pattern draft or chart. H. P. Jacobson. No. 894,207; July 28; Sp. p. 3831; Dr. p. 793; Gaz. vol. 135; p. 680.
- Pattern-grading machine. L. E. Côté. No. 878,046; Feb. 4; Sp. p. 315; Dr. pp. 66-7; Gaz. vol. 132; p. 899.
- Pattern-grading machine. A. F. Preston. No. 897,555; Sept. 1; Sp. p. 648; Dr. p. 136; Gaz. vol. 136; p. 101.
- Pattern-marking device. J. Avansino. No. 886,170; Apr. 28; Sp. p. 5140; Dr. p. 1081; Gaz. vol. 133; p. 2094.
- Pattern package, Dress-. W. J. Flood. No. 891,531; June 23; Sp. p. 4759; Dr. p. 1030; Gaz. vol. 134; p. 1912.
- Pattern-paper linen. B. Borzykowski. No. 875,770; Jan. 7; Sp. p. 180; Dr. pp. 38-9; Gaz. vol. 132; p. 34.
- Pattern-plates, Apparatus for use in manufacturing small metallic. P. Bonvillain. (Reissue.) No. 12,760; Mar. 10; Sp. p. 2787; Dr. p. 598; Gaz. vol. 133; p. 492.
- Pattern-plates, vibrator-frames, gated patterns, and cope-flasks, Adjustable guide-plate for. C. H. Blau and G. W. Kelly. No. 887,458; May 12; Sp. p. 2292; Dr. p. 481; Gaz. vol. 134; p. 397.
- Pattern-pouch and sales-check, Combined. T. McCampbell. No. 881,255; Mar. 10; Sp. p. 1525; Dr. p. 328; Gaz. vol. 133; p. 287.
- Pattern, Tailor's. G. Madoe. No. 884,940; Apr. 14; Sp. p. 2506; Dr. p. 548; Gaz. vol. 133; p. 1633.
- Pavement and making the same. W. S. Houghton. No. 888,886; May 26; Sp. p. 5184; Dr. p. 1100; Gaz. vol. 134; p. 928.
- Pavement and making the same. W. E. Hassam. No. 890,902; June 16; Sp. p. 3471; Dr. p. 760; Gaz. vol. 134; p. 1672.
- Pavement or roadway and making same. W. S. Houghton. No. 888,887; May 26; Sp. p. 5186; Dr. p. 1101; Gaz. vol. 134; p. 928.
- Pavement or vault construction. H. C. Seipp. No. 903,899; Nov. 17; Sp. p. 2768; Gaz. vol. 137; p. 509.
- Pavement-protector. C. E. Fullerton. No. 894,732; July 28; Sp. p. 4850; Dr. p. 1015; Gaz. vol. 135; p. 851.
- Pavement, Street-. J. M. Walsh. No. 890,110; June 9; Sp. p. 1828; Gaz. vol. 134; p. 1382.
- Pavements, Repairing vault-light. P. M. Bruner. No. 893,900; July 21; Sp. p. 3172; Dr. p. 652; Gaz. vol. 135; p. 558.
- Paving apparatus, Street-. H. J. Ruffl. No. 902,837; Nov. 3; Sp. p. 613; Gaz. vol. 137; p. 103.
- Paving-block. H. A. Kratzer. No. 889,692; June 2; Sp. p. 988; Dr. p. 228; Gaz. vol. 134; p. 1218.
- Paving blocks or bricks, Means for handling. J. Sheridan. No. 888,662; May 26; Sp. p. 4696; Dr. p. 999; Gaz. vol. 134; p. 855.
- Paving or building blocks, Preparing. R. C. Gangewere. No. 897,080; Aug. 25; Sp. p. 4655; Gaz. vol. 135; p. 1717.
- Paving, Wood-block. W. H. Harvey. No. 900,729; Oct. 13; Sp. p. 1408; Dr. p. 287; Gaz. vol. 136; p. 1316.
- Pawl-operating mechanism, Automatic. W. E. Waldron. No. 876,752; Jan. 14; Sp. p. 2174; Dr. p. 477; Gaz. vol. 132; p. 385.
- Pea cutter, Cow-. R. Rounds. No. 879,324; Feb. 18; Sp. p. 2931; Dr. p. 611; Gaz. vol. 132; p. 1390.
- Pea-grader. A. Brubaker. No. 896,883; Aug. 25; Sp. p. 4226; Dr. p. 904; Gaz. vol. 135; p. 1652.
- Pea-separating machine. C. F. Shumaker. No. 906,168; Dec. 8; Sp. p. 2072; Gaz. vol. 137; p. 1355.
- Pea-separator. W. S. Pope. No. 891,096; June 16; Sp. p. 3859; Dr. pp. 843-4; Gaz. vol. 134; p. 1736.

Alphabetical list of inventions—Continued.

- Peanut-digger. R. F. Moss. No. 887,340; May 12; Sp. p. 2054; Dr. p. 430; Gaz. vol. 134; p. 360.
 Peanut-digger. J. T. W. Rushton. No. 894,701; July 28; Sp. p. 4830; Dr. p. 1004; Gaz. vol. 135; p. 843.
 Peanut-gleaner. H. L. Phippen. No. 887,015; May 5; Sp. p. 1344; Dr. p. 285; Gaz. vol. 134; p. 223.
 Peanut-hulling apparatus, Seed-. W. T. Glover. No. 907,031; Dec. 15; Sp. p. 3681; Gaz. vol. 137; p. 1656.
 Peanut-picker. J. A. Warren. No. 881,979; Mar. 17; Sp. p. 2986; Dr. pp. 636-9; Gaz. vol. 133; p. 550.
 Peanut picker and stemmer. W. R. Jones. No. 907,271; Dec. 29; Sp. p. 6293; Gaz. vol. 137; p. 2133.
 Peanut-sheller. E. M. Raby. No. 899,433; Sept. 22; Sp. p. 4305; Dr. p. 924; Gaz. vol. 136; p. 798.
 Peanut-stemmer. J. T. Benthall. No. 890,401; June 9; Sp. p. 2432; Dr. pp. 537-8; Gaz. vol. 134; p. 1475.
 Peat-turf. Apparatus for making half-stuff from. O. P. Beck. No. 896,612; Aug. 18; Sp. p. 3635; Dr. p. 781; Gaz. vol. 135; p. 1540.
 Peat-turf into half-stuff, Machine for the reduction of. C. E. Dunn. No. 898,450; Sept. 15; Sp. p. 2451; Dr. p. 525; Gaz. vol. 136; p. 454.
 Peat-turf, Method and machine for the reduction of. C. E. Dunn. No. 896,281; Aug. 18; Sp. p. 2966; Dr. p. 639; Gaz. vol. 135; p. 1432.
 Pedal-action. M. F. Richardson. No. 906,461; Dec. 8; Sp. p. 2611; Gaz. vol. 137; p. 1450.
 Pedal attachment. J. Simmonds. No. 880,585; Mar. 3; Sp. p. 193; Dr. p. 41; Gaz. vol. 133; p. 35.
 Pedal, Folding. T. Danquard. No. 884,643; Apr. 14; Sp. p. 2005; Dr. p. 429; Gaz. vol. 133; p. 1533.
 Pedal-hiding panels, Operating connection for. J. T. Mayer. No. 890,678; June 16; Sp. p. 3006; Dr. p. 660; Gaz. vol. 134; p. 1599.
 Pedal mechanism. G. B. Kelly. No. 897,375; Sept. 1; Sp. p. 274; Dr. p. 56; Gaz. vol. 136; p. 41.
 Pedal mechanism. G. B. Kelly. No. 897,376; Sept. 1; Sp. p. 275; Dr. p. 56; Gaz. vol. 136; p. 42.
 Pedal-mounting. C. F. Koester. No. 899,739; Sept. 29; Sp. p. 4942; Dr. p. 1060; Gaz. vol. 136; p. 934.
 Pedestal, column, and pilaster, Ornamental. W. J. Gray. No. 879,629; Feb. 18; Sp. p. 3584; Dr. p. 750; Gaz. vol. 132; p. 1489.
 Peeler, Potato-. C. H. Clark. No. 877,550; Jan. 28; Sp. p. 3845; Dr. p. 832; Gaz. vol. 132; p. 711.
 Peeler, Vegetable-. K. Schaal. No. 898,931; Sept. 15; Sp. p. 3351; Dr. p. 719; Gaz. vol. 136; p. 609.
 Peeling and cleaning machine, Potato. S. E. Bailey. No. 902,466; Oct. 27; Sp. p. 5025; Dr. p. 1018; Gaz. vol. 136; p. 1948.
 Pen. A. Hall. No. 890,274; June 9; Sp. p. 2200; Dr. p. 483; Gaz. vol. 134; p. 1435.
 Pen. G. Rentz. No. 896,576; Aug. 18; Sp. p. 3577; Dr. p. 770; Gaz. vol. 135; p. 1528.
 Pen and pencil holder. E. L. Sands. No. 884,865; Apr. 14; Sp. p. 2464; Dr. p. 519; Gaz. vol. 133; p. 1612.
 Pen and pencil holder. E. Danne. No. 893,608; July 21; Sp. p. 2505; Dr. p. 521; Gaz. vol. 135; p. 461.
 Pen and pencil holder. W. R. Crawford, Jr. No. 897,064; Aug. 25; Sp. p. 4633; Dr. p. 986; Gaz. vol. 135; p. 1713.
 Pen attachment. J. Winger. No. 892,791; July 7; Sp. p. 787; Dr. p. 165; Gaz. vol. 135; p. 135.
 Pen cleaner, Drafting-. W. A. Steineman. No. 876,024; Jan. 7; Sp. p. 657; Dr. p. 140; Gaz. vol. 132; p. 113.
 Pen, Drawing-. G. Schoenner. No. 882,172; Mar. 17; Sp. p. 3391; Dr. p. 721; Gaz. vol. 133; p. 613.
 Pen, Drawing-. G. Schoenner. No. 891,104; June 16; Sp. p. 3871; Dr. p. 846; Gaz. vol. 134; p. 1738.
 Pen, Drawing-. C. Fitzsimmons. No. 892,950; July 7; Sp. p. 1128; Dr. p. 237; Gaz. vol. 135; p. 188.
 Pen, Drawing-. O. Haff. No. 905,419; Dec. 1; Sp. p. 577; Gaz. vol. 137; p. 1082.
 Pen filler, Fountain-. H. N. Carpenter. No. 887,919; May 19; Sp. p. 3222; Dr. p. 678; Gaz. vol. 134; p. 580.
 Pen-filling apparatus, Fountain-. P. J. Sullivan. No. 896,772; Aug. 25; Sp. p. 3973; Dr. p. 855; Gaz. vol. 135; p. 1613.
 Pen for holding swine. J. C. Mabbott. No. 884,179; Apr. 7; Sp. p. 1069; Dr. p. 223; Gaz. vol. 133; p. 1358.
 Pen, Fountain-. G. W. Bennum. No. 879,436; Feb. 18; Sp. p. 3169; Dr. p. 659; Gaz. vol. 132; p. 1426.
 Pen, Fountain-. S. H. Engelberg. No. 879,614; Feb. 18; Sp. p. 3561; Dr. p. 744; Gaz. vol. 132; p. 1484.
 Pen, Fountain-. C. W. Gaston. No. 879,626; Feb. 18; Sp. p. 3580; Dr. p. 749; Gaz. vol. 132; p. 1498.
 Pen, Fountain-. P. P. Sanford. No. 879,912; Feb. 25; Sp. p. 4201; Dr. p. 877; Gaz. vol. 132; p. 1616.
 Pen, Fountain-. F. H. Wurdemann. No. 881,215; Mar. 10; Sp. p. 1441; Dr. p. 311; Gaz. vol. 133; p. 273.
 Pen, Fountain-. F. R. Smith. No. 882,179; Mar. 17; Sp. p. 3399; Dr. p. 722; Gaz. vol. 133; p. 615.
 Pen, Fountain-. F. J. and A. Oberdoerster. No. 884,412; Apr. 14; Sp. p. 1499; Dr. p. 322; Gaz. vol. 133; p. 1463.
 Pen, Fountain-. J. A. Holland. No. 885,753; Apr. 28; Sp. p. 4292; Dr. p. 899; Gaz. vol. 133; p. 1957.
 Pen, Fountain-. W. F. Barrett. No. 888,955; May 26; Sp. p. 5322; Dr. p. 1129; Gaz. vol. 134; p. 950.
 Pen, Fountain-. J. Bustanoby. No. 889,435; June 2; Sp. p. 488; Dr. p. 116; Gaz. vol. 134; p. 1137.
 Pen, Fountain-. D. W. Schnebbe. No. 889,973; June 9; Sp. p. 1548; Dr. p. 349; Gaz. vol. 134; p. 1335.
 Pen, Fountain-. A. F. Zahn. No. 890,747; June 16; Sp. p. 3168; Dr. p. 693; Gaz. vol. 134; p. 1622.
 Pen, Fountain-. H. G. Mills. No. 894,519; July 28; Sp. p. 4471; Dr. p. 926; Gaz. vol. 135; p. 782.
 Pen, Fountain-. C. W. Knapp. No. 894,667; July 28; Sp. p. 4768; Dr. p. 990; Gaz. vol. 135; p. 831.
 Pen, Fountain-. W. A. Houston. No. 895,463; Aug. 11; Sp. p. 1388; Dr. p. 292; Gaz. vol. 135; p. 1146.
 Pen, Fountain-. J. G. Coffin. No. 896,086; Aug. 18; Sp. p. 2611; Dr. p. 566; Gaz. vol. 135; p. 1370.
 Pen, Fountain-. W. A. Sheaffer. No. 896,861; Aug. 25; Sp. p. 4174; Dr. p. 893; Gaz. vol. 135; p. 1644.
 Pen, Fountain-. R. A. Hamilton. No. 897,892; Sept. 8; Sp. p. 1328; Dr. p. 284; Gaz. vol. 136; p. 243.
 Pen, Fountain-. A. T. Cross. No. 900,833; Oct. 13; Sp. p. 1631; Dr. p. 330; Gaz. vol. 136; p. 1351.
 Pen, Fountain-. J. J. Mead. No. 900,944; Oct. 13; Sp. p. 1864; Dr. p. 380; Gaz. vol. 136; p. 1385.
 Pen, Fountain-. F. C. Brown. No. 901,948; Oct. 27; Sp. p. 3928; Dr. p. 802; Gaz. vol. 136; p. 1780.
 Pen, Fountain-. J. Board. No. 903,662; Nov. 10; Sp. p. 2262; Gaz. vol. 137; p. 399.
 Pen, Fountain-. B. W. Boman. No. 907,722; Dec. 29; Sp. p. 5142; Gaz. vol. 137; p. 1951.
 Penholder, Fountain-. F. A. Robinson. No. 891,187; June 16; Sp. p. 4025; Dr. p. 882; Gaz. vol. 134; p. 1764.
 Penholder, Fountain-. F. D. Brown. No. 905,789; Dec. 1; Sp. p. 1330; Gaz. vol. 137; p. 1202.
 Pen, Knocking-. H. C. Ahrens. No. 907,215; Dec. 22; Sp. p. 4071; Gaz. vol. 137; p. 1751.
 Pen-nib. C. G. Wertheimer. No. 903,249; Nov. 10; Sp. p. 1437; Gaz. vol. 137; p. 265.
 Pen or pencil point protector. H. M. Sturges. No. 895,511; Aug. 11; Sp. p. 1473; Dr. p. 308; Gaz. vol. 135; p. 1163.
 Pen, pencil-holder, and letter-scale, Combination. W. D. Stewart. No. 906,080; Dec. 8; Sp. p. 1897; Gaz. vol. 137; p. 1325.
 Pen, Quill. E. W. Bodmer. No. 885,317; Apr. 21; Sp. p. 3406; Dr. p. 712; Gaz. vol. 133; p. 1790.
 Pen, Recording-. C. C. Clawson. No. 890,261; June 9; Sp. p. 2143; Dr. p. 470; Gaz. vol. 134; p. 1431.
 Pen, Reservoir-. H. S. Baker. No. 896,193; Aug. 18; Sp. p. 2797; Dr. p. 602; Gaz. vol. 135; p. 1402.
 Pen, Retainer, Fountain-. L. D. Van Valkenburg. No. 886,095; Apr. 28; Sp. p. 5001; Dr. p. 1052; Gaz. vol. 133; p. 2070.
 Pen, Ruling-. L. W. Mallory. No. 893,086; July 14; Sp. p. 1409; Dr. p. 298; Gaz. vol. 135; p. 261.
 Pen, Self-filling fountain-. F. H. Mooney. No. 879,296; Feb. 18; Sp. p. 2886; Dr. p. 602; Gaz. vol. 132; p. 1381.
 Pen, Self-filling fountain-. P. P. Flournoy. No. 879,817; Feb. 18; Sp. p. 3954; Dr. p. 827; Gaz. vol. 132; p. 1551.
 Pen, Stylographic. J. Ullrich. No. 878,914; Feb. 11; Sp. p. 2131; Dr. p. 444; Gaz. vol. 132; p. 1217.
 Pen-support. H. Priester. No. 891,099; June 16; Sp. p. 3864; Dr. p. 844; Gaz. vol. 134; p. 1737.
 Pen, Writing-. W. H. Schweizer. No. 901,389; Oct. 20; Sp. p. 2762; Dr. p. 563; Gaz. vol. 136; p. 1567.
 Pens and pencils, Pocket-clip for fountain-. A. K. Watts. No. 883,767; Apr. 7; Sp. p. 173; Dr. p. 31; Gaz. vol. 133; p. 1221.
 Pens, Device for grinding writing-. F. Dörsing. No. 900,271; Oct. 6; Sp. p. 430; Dr. pp. 87-8; Gaz. vol. 136; p. 1139.
 Pens, &c., to garments, Device for securing fountain-. J. H. Hagan. No. 901,240; Oct. 13; Sp. p. 2403; Dr. p. 493; Gaz. vol. 136; p. 1479.
 Penholder. C. E. Walker. No. 875,544; Jan. 7; Sp. p. 152; Dr. p. 34; Gaz. vol. 132; p. 29.
 Penholder. W. E. Forman. No. 876,708; Jan. 14; Sp. p. 2105; Dr. p. 458; Gaz. vol. 132; p. 372.
 Penholder. A. Jahn. No. 878,004; Feb. 4; Sp. p. 216; Dr. p. 47; Gaz. vol. 132; p. 886.
 Penholder. H. C. Hart. No. 878,729; Feb. 11; Sp. p. 1777; Dr. p. 367; Gaz. vol. 132; p. 1158.
 Penholder. T. N. Goffe. No. 878,794; Feb. 11; Sp. p. 1913; Dr. p. 393; Gaz. vol. 132; p. 1180.
 Penholder. T. N. Goffe. No. 878,795; Feb. 11; Sp. p. 1914; Dr. p. 393; Gaz. vol. 132; p. 1180.
 Penholder. R. E. Peickert. No. 884,849; Apr. 14; Sp. p. 2440; Dr. p. 512; Gaz. vol. 133; p. 1608.
 Penholder. W. Rittwegger. No. 884,859; Apr. 14; Sp. p. 2452; Dr. p. 516; Gaz. vol. 133; p. 1610.
 Penholder. W. Krieger. No. 886,060; Apr. 28; Sp. p. 4938; Dr. p. 1038; Gaz. vol. 133; p. 2060.
 Penholder. W. A. Caldwell. No. 886,346; May 5; Sp. p. 16; Dr. p. 4; Gaz. vol. 134; p. 6.
 Penholder. A. B. Moore. No. 891,851; June 30; Sp. p. 5441; Dr. p. 1176; Gaz. vol. 134; p. 2049.
 Penholder. J. H. Hagan. No. 901,239; Oct. 13; Sp. p. 2402; Dr. p. 493; Gaz. vol. 136; p. 1479.
 Penholder. E. R. Orchard. No. 902,164; Oct. 27; Sp. p. 4380; Dr. p. 887; Gaz. vol. 136; p. 1849.
 Penholder. W. L. Gordon. No. 904,059; Nov. 17; Sp. p. 3096; Gaz. vol. 137; p. 562.
 Penholder. F. P. Pfannenstiel. No. 906,558; Dec. 15; Sp. p. 2795; Gaz. vol. 137; p. 1507.
 Penholder, Automatic ejecting. R. H. Wilson. No. 890,830; June 16; Sp. p. 3333; Dr. p. 730; Gaz. vol. 134; p. 1650.
 Penholder, Nib-ejecting. H. E. Catlin. No. 894,368; July 28; Sp. p. 4171; Dr. p. 861; Gaz. vol. 135; p. 733.
 Penholder, Self-ejecting. E. S. Browning. No. 891,036; June 16; Sp. p. 3754; Dr. p. 819; Gaz. vol. 134; p. 1718.
 Penmanship pupils, Arm-rest for. A. Asper. No. 879,353; Feb. 18; Sp. p. 2974; Dr. p. 621; Gaz. vol. 132; p. 1399.
 Pennen, Hand-positioning device for. W. G. Delashaw. No. 880,510; Mar. 3; Sp. p. 35; Dr. p. 8; Gaz. vol. 133; p. 9.
 Pencil. C. A. Smith. No. 883,354; Mar. 31; Sp. p. 5704; Dr. p. 1218; Gaz. vol. 133; p. 1061.
 Pencil. C. A. Smith. No. 885,190; Apr. 21; Sp. p. 3136; Dr. p. 659; Gaz. vol. 133; p. 1748.
 Pencil. F. Thompson. No. 885,404; Apr. 21; Sp. p. 3585; Dr. p. 750; Gaz. vol. 133; p. 1819.
 Pencil. R. Promberger. No. 893,367; July 14; Sp. p. 1963; Dr. p. 412; Gaz. vol. 135; p. 353.
 Pencil. E. L. Schmitz. No. 903,509; Nov. 10; Sp. p. 1954; Gaz. vol. 137; p. 351.

Alphabetical list of inventions—Continued.

- Pencil. J. D. R. Lamson. No. 903,873; Nov. 17; Sp. p. 2713; Gaz. vol. 137; p. 500.
- Pencil. F. Thompson. No. 906,962; Dec. 15; Sp. p. 3562; Gaz. vol. 137; p. 1634.
- Pencil and pen holder, Pocket. R. C. Kruschke. No. 894,448; July 28; Sp. p. 4343; Dr. p. 895; Gaz. vol. 135; p. 760.
- Pencil attachment. R. L. Nichols and L. C. Kleidon. No. 897,128; Aug. 25; Sp. p. 4751; Dr. p. 1012; Gaz. vol. 135; p. 1734.
- Pencil, Automatic. O. L. Harrison. No. 902,292; Oct. 27; Sp. p. 4644; Dr. p. 942; Gaz. vol. 136; p. 1890.
- Pencil, Automatic magazine-. J. A. Newman and A. Haaapala. No. 876,223; Jan. 7; Sp. p. 1050; Dr. p. 226; Gaz. vol. 132; p. 177.
- Pencil-box. E. I. Hawk. No. 876,178; Jan. 7; Sp. p. 957; Dr. p. 206; Gaz. vol. 132; p. 163.
- Pencil-box and book-support, Combined. A. Schlager. No. 883,051; Mar. 24; Sp. p. 5081; Dr. p. 1084; Gaz. vol. 133; p. 932.
- Pencil-carrier. G. A. Oberg. No. 888,842; May 26; Sp. p. 5080; Dr. p. 1083; Gaz. vol. 134; p. 911.
- Pencil-cushion. G. F. Ireland. No. 902,233; Oct. 27; Sp. p. 4524; Dr. p. 916; Gaz. vol. 136; p. 1870.
- Pencil-holder. J. A. Eubanks. No. 900,716; Oct. 13; Sp. p. 1382; Dr. p. 282; Gaz. vol. 136; p. 1312.
- Pencil holder and sharpener, Combined. E. E. Hopkins. No. 895,019; Aug. 4; Sp. p. 502; Dr. p. 101; Gaz. vol. 135; p. 975.
- Pencil, Lead-. S. J. Reckendorfer. No. 877,370; Jan. 21; Sp. p. 3457; Dr. p. 750; Gaz. vol. 132; p. 630.
- Pencil, Lead-. J. B. Kenny. No. 889,932; June 9; Sp. p. 1459; Dr. p. 330; Gaz. vol. 134; p. 1321.
- Pencil, Lead-. W. B. McKim. No. 894,687; July 28; Sp. p. 4808; Dr. p. 998; Gaz. vol. 135; p. 838.
- Pencil, Magazine-. W. F. Cushing. No. 878,771; Feb. 11; Sp. p. 1861; Dr. p. 384; Gaz. vol. 132; p. 1172.
- Pencil, penholder, &c. T. F. Handly. No. 897,530; Sept. 1; Sp. p. 598; Dr. p. 125; Gaz. vol. 136; p. 94.
- Pencil-sharpener. C. Spiro. No. 876,744; Jan. 14; Sp. p. 2163; Dr. p. 475; Gaz. vol. 132; p. 383.
- Pencil-sharpener. A. M. Mosley. No. 877,357; Jan. 21; Sp. p. 3433; Dr. p. 745; Gaz. vol. 132; p. 626.
- Pencil-sharpener. M. A. Cameron and W. H. Cowles. No. 880,715; Mar. 3; Sp. p. 450; Dr. p. 94; Gaz. vol. 133; p. 79.
- Pencil-sharpener. N. T. Kesler. No. 884,495; Apr. 14; Sp. p. 1677; Dr. p. 361; Gaz. vol. 133; p. 1489.
- Pencil-sharpener. C. C. Spengler. No. 889,056; May 26; Sp. p. 5493; Dr. p. 1168; Gaz. vol. 134; p. 982.
- Pencil-sharpener. S. B. Jones. No. 889,135; May 26; Sp. p. 5668; Dr. p. 1200; Gaz. vol. 134; p. 1007.
- Pencil-sharpener. R. V. Collins. No. 889,179; May 26; Sp. p. 5768; Dr. p. 1221; Gaz. vol. 134; p. 1022.
- Pencil-sharpener. G. P. Suma. No. 891,015; June 16; Sp. p. 3722; Dr. p. 812; Gaz. vol. 134; p. 1711.
- Pencil-sharpener. T. Van Aller. No. 892,335; June 30; Sp. p. 6369; Dr. p. 1373; Gaz. vol. 134; p. 2207.
- Pencil-sharpener. F. O. Porter. No. 894,781; July 28; Sp. p. 4973; Dr. p. 1038; Gaz. vol. 135; p. 867.
- Pencil-sharpener. A. T. Peterson. No. 898,502; Sept. 15; Sp. p. 2544; Dr. p. 545; Gaz. vol. 136; p. 470.
- Pencil-sharpener attachment. J. C. St. John. No. 888,669; May 26; Sp. p. 4714; Dr. p. 1003; Gaz. vol. 134; p. 857.
- Pencil-sharpener, Automatic. L. B. Chadwick. No. 894,600; July 28; Sp. p. 4643; Dr. p. 962-3; Gaz. vol. 135; p. 809.
- Pencil sharpener, Lead-. A. W. Mueller. No. 895,188; Aug. 4; Sp. p. 822; Dr. p. 173; Gaz. vol. 135; p. 1031.
- Pencil-sharpening machine. C. Nickum. No. 897,647; Sept. 1; Sp. p. 817; Dr. p. 172; Gaz. vol. 136; p. 131.
- Pencils and the like, Attachment for. F. W. Evans. No. 882,377; Mar. 17; Sp. p. 3766; Dr. p. 803; Gaz. vol. 133; p. 679.
- Pencils, penholders, or the like, Assortment-box or display-rack for lead-. J. S. Kenny. No. 877,649; Jan. 28; Sp. p. 4027; Dr. pp. 869-70; Gaz. vol. 132; p. 742.
- Pendulograph. H. Pearce. No. 898,599; Sept. 15; Sp. p. 2735; Dr. p. 585; Gaz. vol. 136; p. 501.
- Pendulum-top. J. E. Z. Fowle. No. 905,684; Dec. 1; Sp. p. 1132; Gaz. vol. 137; p. 1167.
- Peptisating colloidal elements. H. Kuzel. No. 899,875; Sept. 29; Sp. p. 5246; Gaz. vol. 136; p. 980.
- Perambulator. A. E. Long. No. 877,350; Jan. 21; Sp. p. 3414; Dr. pp. 741-2; Gaz. vol. 132; p. 623.
- Perambulator. V. Baur. No. 886,922; May 5; Sp. p. 1172; Dr. p. 246; Gaz. vol. 134; p. 193.
- Perambulator. W. H. Smith. No. 899,343; Sept. 22; Sp. p. 4152; Dr. p. 888; Gaz. vol. 136; p. 770.
- Perambulators. Canopy-top attachment for. O. N. Turner. No. 884,543; Apr. 14; Sp. p. 1773; Dr. p. 381; Gaz. vol. 133; p. 1505.
- Percentage-table, Tax-assessor's. S. F. and B. B. Kennedy. No. 888,020; May 19; Sp. p. 3418; Dr. p. 717; Gaz. vol. 134; p. 613.
- Perch, Chicken-. W. H. Cole. No. 904,472; Nov. 17; Sp. p. 3966; Gaz. vol. 137; p. 703.
- Perch for chicken-roosts. S. S. Thorn. No. 906,578; Dec. 15; Sp. p. 2835; Gaz. vol. 137; p. 1513.
- Perch, Fowl-. A. Peris. No. 889,039; May 26; Sp. p. 5462; Dr. p. 1161; Gaz. vol. 134; p. 976.
- Perch, Poultry-. C. F. Lucas. No. 884,398; Apr. 14; Sp. p. 1477; Dr. p. 316; Gaz. vol. 133; p. 1458.
- Perch-support. C. Matthews. No. 898,586; Sept. 15; Sp. p. 2701; Dr. p. 579; Gaz. vol. 136; p. 497.
- Percolator. C. E. Trehwella. No. 876,110; Jan. 7; Sp. p. 833; Dr. pp. 178-9; Gaz. vol. 132; p. 141.
- Percolator. J. Gaunt. No. 879,096; Feb. 11; Sp. p. 2475; Dr. p. 516; Gaz. vol. 132; p. 1273.
- Percolator. E. S. Glover. No. 885,037; Apr. 21; Sp. p. 2802; Dr. p. 593; Gaz. vol. 133; p. 1698.
- Percolator. J. R. Holley. No. 906,629; Dec. 15; Sp. p. 2926; Gaz. vol. 137; p. 1529.
- Percolator-pot construction. G. E. Savage. No. 882,080; Mar. 17; Sp. p. 3212; Dr. p. 682; Gaz. vol. 133; p. 584.
- Percussive-apparatus coupling. C. R. Newton. No. 886,240; Apr. 28; Sp. p. 5262; Dr. p. 1108; Gaz. vol. 133; p. 2118.
- Percussive tools, Automatic fluid-actuated feed mechanism for. D. S. Waugh. No. 897,231; Aug. 25; Sp. p. 4968; Dr. pp. 1054-5; Gaz. vol. 135; p. 1766.
- Perforating and similar machines, Selecting mechanism for. P. J. Meahl. (Reissue.) No. 12,903; Dec. 29; Sp. p. 6659; Gaz. vol. 137; p. 2193.
- Perforating-machine. J. C. Barclay. No. 877,821; Jan. 28; Sp. p. 4335; Dr. pp. 941-3; Gaz. vol. 132; p. 796.
- Perforating-machine. J. C. Barclay. No. 893,419; July 14; Sp. p. 2059; Dr. pp. 431-3; Gaz. vol. 135; p. 370.
- Perforating-machine. J. C. Barclay. No. 893,420; July 14; Sp. p. 2068; Dr. pp. 433-5; Gaz. vol. 135; p. 370.
- Perforating-machine. W. G. Berry. No. 900,257; Oct. 6; Sp. p. 375; Dr. p. 78; Gaz. vol. 136; p. 1134.
- Perforating-machine, Keyboard. J. S. Bancroft and M. C. Indahl. No. 883,376; Mar. 31; Sp. p. 5756; Dr. pp. 1229-30; Gaz. vol. 133; p. 1069.
- Perforating-machine, Pattern-controlled punch-selecting. G. H. Davis and C. T. Bowman. No. 900,151; Oct. 6; Sp. p. 164; Dr. pp. 34-5; Gaz. vol. 136; p. 1100.
- Perforating-machine, Power. W. G. Capitaine. No. 885,587; Apr. 21; Sp. p. 3938; Dr. pp. 822-3; Gaz. vol. 133; p. 1873.
- Perforating machine, Sheet-. H. K. Sandell. No. 907,530; Dec. 22; Sp. p. 4696; Gaz. vol. 137; p. 1858.
- Perforating-machines, Rewinder for. E. F. Littlefield and H. A. Drinkwater. No. 883,213; Mar. 31; Sp. p. 5422; Dr. p. 1155; Gaz. vol. 133; p. 1017.
- Perforating mechanism. R. M. Davidson. No. 898,193; Sept. 8; Sp. p. 1951; Dr. p. 417; Gaz. vol. 136; p. 339.
- Perforating, punching machine, &c. F. H. W. Higgins. No. 894,143; July 21; Sp. p. 3678; Dr. pp. 761-3; Gaz. vol. 135; p. 639.
- Perforating slips for telegraphic signaling, &c., Means for. M. Kotyra. No. 895,374; Aug. 4; Sp. p. 1191; Dr. pp. 259-1; Gaz. vol. 135; p. 1093.
- Perforator. J. C. Barclay. No. 877,823; Jan. 28; Sp. p. 4347; Dr. pp. 943-4; Gaz. vol. 132; p. 797.
- Perforator, Non-synchronous receiving-. M. T. Weston. No. 896,784; Aug. 25; Sp. p. 4008; Dr. pp. 862-3; Gaz. vol. 135; p. 1618.
- Permutation-lock. W. B. Turman. No. 877,682; Jan. 28; Sp. p. 4099; Dr. p. 887; Gaz. vol. 132; p. 753.
- Permutation-lock. C. Smith. No. 877,957; Feb. 4; Sp. p. 119; Dr. p. 28; Gaz. vol. 132; p. 870.
- Permutation-lock. J. R. Maxfield. No. 879,785; Feb. 18; Sp. p. 3883; Dr. p. 814; Gaz. vol. 132; p. 1540.
- Permutation-lock. D. Churchill. No. 887,771; May 19; Sp. p. 2918; Dr. p. 615; Gaz. vol. 134; p. 530.
- Permutation-lock. E. E. Quaintance. No. 891,439; June 23; Sp. p. 4567; Dr. pp. 993-4; Gaz. vol. 134; p. 1880.
- Permutation-lock. S. Sprung. No. 893,273; July 14; Sp. p. 1789; Dr. p. 376; Gaz. vol. 135; p. 323.
- Permutation-lock. J. Baum. No. 894,252; July 28; Sp. p. 3934; Dr. p. 811; Gaz. vol. 135; p. 694.
- Permutation-lock. M. B. Mills. No. 894,520; July 28; Sp. p. 4471; Dr. p. 926; Gaz. vol. 135; p. 782.
- Permutation-lock. W. H. Jones. No. 896,301; Aug. 18; Sp. p. 3028; Dr. p. 651; Gaz. vol. 135; p. 1439.
- Permutation-lock. J. P. Geraghty. No. 898,417; Sept. 8; Sp. p. 2368; Dr. p. 506; Gaz. vol. 136; p. 411.
- Permutation-lock. E. J. Bossert. No. 904,302; Nov. 17; Sp. p. 3635; Gaz. vol. 137; p. 647.
- Peroxid of potassium, Manufacture of. G. F. Jaubert. No. 892,842; July 7; Sp. p. 897; Gaz. vol. 135; p. 152.
- Peroxid of potassium, Manufacture of. G. F. Jaubert. No. 897,980; Sept. 8; Sp. p. 1538; Dr. p. 327; Gaz. vol. 136; p. 272.
- Peroxids, Making molten. H. Foersterling and H. R. Carveth. No. 879,452; Feb. 18; Sp. p. 3216; Dr. p. 669; Gaz. vol. 132; p. 1431.
- Persulfates, Electrolytically producing. G. Teichner and P. Askenasy. No. 880,599; Mar. 3; Sp. p. 229; Gaz. vol. 133; p. 40.
- Pessary. E. S. Rogers. No. 880,101; Feb. 25; Sp. p. 4561; Dr. p. 960; Gaz. vol. 132; p. 1676.
- Pessary, Therapeutic. F. M. Siner. No. 882,176; Mar. 17; Sp. p. 3395; Dr. p. 721; Gaz. vol. 133; p. 614.
- Petrol spirit, Apparatus for deodorizing and filtering. A. J. Barnes. No. 898,545; Sept. 15; Sp. p. 2641; Dr. p. 564; Gaz. vol. 136; p. 485.
- Petroleum and its distillates, Apparatus for ionizing. D. Martini. No. 908,297; Dec. 29; Sp. p. 6333; Gaz. vol. 137; p. 2142.
- Petroleum, Apparatus for utilizing sulfur-containing. J. E. Eggleston. No. 908,400; Dec. 29; Sp. p. 6569; Gaz. vol. 137; p. 2179.
- Petroleum or distillate thereof to obtain an explosive mixture for internal-combustion engines, Treating cold crude. D. Martini. No. 892,378; June 30; Sp. p. 6449; Dr. p. 1391; Gaz. vol. 134; p. 2221.
- Petticoat. L. Sittig. No. 877,672; Jan. 28; Sp. p. 4081; Dr. pp. 883-4; Gaz. vol. 132; p. 750.
- Petticoat. E. J. Segrell. No. 891,868; June 30; Sp. p. 5473; Dr. p. 1182; Gaz. vol. 134; p. 2055.
- Petticoat. E. J. Segrell. No. 903,326; Nov. 10; Sp. p. 1573; Gaz. vol. 137; p. 290.
- Petticoat. E. G. Murray. No. 904,635; Nov. 24; Sp. p. 4315; Gaz. vol. 137; p. 785.
- Phonogram. B. F. Philpot and F. W. Matthews. No. 892,301; June 30; Sp. p. 6308; Dr. p. 1359; Gaz. vol. 134; p. 2197.

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- Phonograms, Making. R. P. Winne. No. 881,644; Mar. 10; Sp. p. 2300; Dr. p. 498; Gaz. vol. 133; p. 414.
- Phonograph. E. L. Aiken. No. 878,032; Feb. 4; Sp. p. 289; Dr. p. 61; Gaz. vol. 132; p. 895.
- Phonograph. W. W. Rosenfield. No. 879,589; Feb. 18; Sp. p. 3504; Dr. pp. 734-5; Gaz. vol. 132; p. 1476.
- Phonograph. H. Schröder. No. 884,216; Apr. 7; Sp. p. 1136; Dr. p. 239; Gaz. vol. 133; p. 1370.
- Phonograph. O. Arnold. No. 892,494; July 7; Sp. p. 208; Dr. p. 44; Gaz. vol. 135; p. 38.
- Phonograph. O. F. Falk. No. 893,230; July 14; Sp. p. 1702; Dr. p. 359; Gaz. vol. 135; p. 308.
- Phonograph. C. J. and W. Thoma. No. 893,283; July 14; Sp. p. 1812; Dr. p. 381; Gaz. vol. 135; p. 326.
- Phonograph. H. Schröder. No. 895,900; Aug. 11; Sp. p. 2245; Dr. p. 479; Gaz. vol. 135; p. 1287.
- Phonograph. E. F. Leeds and G. Rumpf. No. 897,836; Sept. 1; Sp. p. 1210; Dr. pp. 258-9; Gaz. vol. 136; p. 192.
- Phonograph. J. E. Hough. No. 905,184; Dec. 1; Sp. p. 120; Gaz. vol. 137; p. 1003.
- Phonograph. M. Keen. No. 907,814; Dec. 29; Sp. p. 5334; Gaz. vol. 137; p. 1982.
- Phonograph and graphophone apparatus. J. O. Hirschfelder. No. 892,520; July 7; Sp. p. 257; Dr. p. 54; Gaz. vol. 135; p. 47.
- Phonograph and other sound-producing machine. H. S. Mills. No. 876,006; Jan. 7; Sp. p. 619; Dr. pp. 132-3; Gaz. vol. 132; p. 108.
- Phonograph and picture-exhibiting machine, Combined. I. W. Norcross. No. 900,875; Oct. 13; Sp. p. 1713; Dr. pp. 346-7; Gaz. vol. 136; p. 1263.
- Phonograph and talking-machine sound-amplifier. J. H. J. Haines. No. 895,853; Aug. 11; Sp. p. 2163; Dr. p. 459; Gaz. vol. 135; p. 1272.
- Phonograph apparatus, Automatic. I. W. Norcross. No. 900,876; Oct. 13; Sp. p. 1718; Dr. p. 347; Gaz. vol. 136; p. 1363.
- Phonograph attachment. E. B. Donaldson. No. 880,016; Feb. 25; Sp. p. 4398; Dr. pp. 923-4; Gaz. vol. 132; p. 1650.
- Phonograph automatic stop attachment. E. B. Hyatt. No. 904,875; Nov. 24; Sp. p. 4842; Gaz. vol. 137; p. 865.
- Phonograph-cabinets, Megaphone-holder for. S. D. Solomon. No. 898,520; Sept. 15; Sp. p. 2584; Dr. p. 552; Gaz. vol. 136; p. 477.
- Phonograph-disk-record case. I. Herrman. No. 896,637; Aug. 18; Sp. p. 3683; Dr. p. 790; Gaz. vol. 135; p. 1547.
- Phonograph-disk-record holder. W. D. Mitchell. No. 895,655; Aug. 11; Sp. p. 1753; Dr. p. 371; Gaz. vol. 135; p. 1209.
- Phonograph disk records, Cabinet for holding. X. Cukier. No. 877,832; Jan. 28; Sp. p. 4364; Dr. p. 948; Gaz. vol. 132; p. 800.
- Phonograph feed mechanism. H. Schröder. No. 891,378; June 23; Sp. p. 4449; Dr. p. 969; Gaz. vol. 134; p. 1860.
- Phonograph-horn. P. Weber. No. 878,029; Feb. 4; Sp. p. 282; Dr. p. 60; Gaz. vol. 132; p. 894.
- Phonograph-horn. V. H. Rapke. No. 879,797; Feb. 18; Sp. p. 3903; Dr. p. 818; Gaz. vol. 132; p. 1544.
- Phonograph-horn. F. M. Murphy. No. 880,388; Feb. 25; Sp. p. 5136; Dr. p. 1085; Gaz. vol. 132; p. 1771.
- Phonograph-horn. C. A. Beppler. No. 881,843; Mar. 10; Sp. p. 2680; Dr. pp. 573-4; Gaz. vol. 133; p. 476.
- Phonograph-horn. H. Schröder. No. 890,534; June 9; Sp. p. 2686; Dr. p. 592; Gaz. vol. 134; p. 1519.
- Phonograph-machine, Multiple. J. Roeber. No. 883,971; Apr. 7; Sp. p. 611; Dr. pp. 121-2; Gaz. vol. 133; p. 1289.
- Phonograph-machines, Carriage-feed for. J. Roeber. No. 880,100; Feb. 25; Sp. p. 4559; Dr. p. 960; Gaz. vol. 132; p. 1676.
- Phonograph-record cabinet. J. Dorey. No. 887,602; May 12; Sp. p. 2577; Dr. p. 544; Gaz. vol. 134; p. 444.
- Phonograph-record case. C. W. Edsell. No. 877,064; Jan. 21; Sp. p. 2842; Dr. p. 614; Gaz. vol. 132; p. 530.
- Phonograph-record case. W. S. Yell. No. 902,361; Oct. 27; Sp. p. 4804; Dr. p. 970; Gaz. vol. 136; p. 1914.
- Phonograph-records, Composition for making duplicate. J. W. Aylsworth. No. 880,707; Mar. 3; Sp. p. 428; Dr. p. 91; Gaz. vol. 133; p. 76.
- Phonograph registering mechanism, Multiple. J. Roeber. No. 883,970; Apr. 7; Sp. p. 610; Dr. p. 121; Gaz. vol. 133; p. 1289.
- Phonograph repeating attachment. J. H. Stinson. No. 887,978; May 19; Sp. p. 3334; Dr. p. 700; Gaz. vol. 134; p. 600.
- Phonograph-reproducer. A. C. Mestraud. No. 880,320; Feb. 25; Sp. p. 5008; Dr. p. 1056; Gaz. vol. 132; p. 1749.
- Phonograph-reproducer. H. Baldwin. No. 884,062; Apr. 7; Sp. p. 793; Dr. p. 167; Gaz. vol. 133; p. 1320.
- Phonograph-reproducer. J. T. Mygind. No. 887,833; May 19; Sp. p. 3054; Dr. p. 642; Gaz. vol. 134; p. 552.
- Phonograph-reproducer. F. L. Dyer and F. D. Lewis. No. 904,853; Nov. 24; Sp. p. 4789; Gaz. vol. 137; p. 858.
- Phonograph-reproducer. F. D. Lewis. No. 904,884; Nov. 24; Sp. p. 4859; Gaz. vol. 137; p. 868.
- Phonograph-reproducer. D. Holden. No. 904,959; Nov. 24; Sp. p. 5001; Gaz. vol. 137; p. 892.
- Phonograph-reproducer. P. Weber. No. 905,033; Nov. 24; Sp. p. 5148; Gaz. vol. 137; p. 918.
- Phonograph-stop. S. W. Gibbs. No. 883,190; Mar. 31; Sp. p. 5373; Dr. p. 1144; Gaz. vol. 133; p. 1009.
- Phonograph-stopping attachment. A. Kandall. No. 902,739; Nov. 3; Sp. p. 410; Gaz. vol. 137; p. 70.
- Phonographs, Automatic stop for. C. P. Cook. No. 890,338; June 9; Sp. p. 2323; Dr. p. 513; Gaz. vol. 133; p. 1456.
- Phonographs, Feed mechanism for. W. A. Cook. No. 878,121; Feb. 4; Sp. p. 457; Dr. p. 97; Gaz. vol. 132; p. 923.
- Phonographs, graphophones, and the like, Apparatus for manufacturing cylindrical records and blanks for. J. Ames, S. Burgess, and E. Traynor. No. 888,682; May 26; Sp. p. 4743; Dr. p. 1008; Gaz. vol. 134; p. 861.
- Phonographs, graphophones, and the like, Mechanism for the manufacture of cylindrical blanks and records of. E. Traynor, S. Burgess, and J. Ames. No. 891,196; June 16; Sp. p. 4054; Dr. p. 888; Gaz. vol. 134; p. 1768.
- Phonographs, Mechanism for driving the diaphragms of disk. E. C. Boulanger and J. B. Delaye. No. 897,053; Aug. 25; Sp. p. 4604; Dr. p. 981; Gaz. vol. 135; p. 1709.
- Phonographic horn. L. H. Devineau. No. 905,855; Dec. 8; Sp. p. 1474; Gaz. vol. 137; p. 1254.
- Phonographic-machine attachment. F. Harding. No. 895,456; Aug. 11; Sp. p. 1369; Dr. p. 288; Gaz. vol. 135; p. 1144.
- Phonographic-record cabinet. R. A. Denovan. No. 876,865; Jan. 14; Sp. p. 2385; Dr. p. 520; Gaz. vol. 132; p. 421.
- Phonographic records, Producing. I. Kitsee. No. 903,198; Nov. 10; Sp. p. 1330; Gaz. vol. 137; p. 248.
- Phonographic-reproducer resonator. C. Hartmann. No. 907,794; Dec. 29; Sp. p. 5298; Gaz. vol. 137; p. 1976.
- Phonography. I. Kitsee. No. 877,845; Jan. 28; Sp. p. 4382; Dr. p. 953; Gaz. vol. 132; p. 804.
- Phonography. I. Kitsee. No. 900,934; Oct. 13; Sp. p. 1845; Dr. p. 375; Gaz. vol. 136; p. 1382.
- Phonography. I. Kitsee. No. 896,302; Aug. 18; Sp. p. 3030; Dr. p. 652; Gaz. vol. 135; p. 1439.
- Phonography. I. Kitsee. No. 903,199; Nov. 10; Sp. p. 1332; Gaz. vol. 137; p. 248.
- Phonography. I. Kitsee. No. 903,200; Nov. 10; Sp. p. 1333; Gaz. vol. 137; p. 248.
- Phosphates, Making soluble. F. J. Machalske. No. 902,425; Oct. 27; Sp. p. 4946; Dr. p. 999; Gaz. vol. 136; p. 1935.
- Photo-engraved plates, Hand-liner for. V. Royle. No. 893,938; July 21; Sp. p. 3244; Dr. p. 668; Gaz. vol. 135; p. 570.
- Photograph-cabinet. F. J. Busald. No. 888,958; May 26; Sp. p. 5328; Dr. p. 1131; Gaz. vol. 134; p. 951.
- Photograph-cabinet. R. H. Ripking. No. 908,036; Dec. 29; Sp. p. 5796; Gaz. vol. 137; p. 2054.
- Photograph-frames with push backs, Fastener for. J. Hasselbring. No. 890,357; June 9; Sp. p. 2360; Dr. p. 521; Gaz. vol. 134; p. 1462.
- Photograph-holder. A. H. Sturla. No. 906,951; Dec. 8; Sp. p. 1649; Gaz. vol. 137; p. 1284.
- Photograph-holder, Extensible. W. J. Satterlee. No. 893,659; July 21; Sp. p. 2608; Dr. p. 544; Gaz. vol. 135; p. 479.
- Photograph-printing frame. R. Du Perreux. No. 884,804; Apr. 14; Sp. p. 2340; Dr. p. 492; Gaz. vol. 133; p. 1592.
- Photographs, Apparatus for the production and exhibition of colored. C. J. Drac. No. 905,802; Dec. 1; Sp. p. 1364; Gaz. vol. 137; p. 1207.
- Photographs are desired so as to remove discoloration, &c., Coating objects of which. T. W. Smillie. No. 894,545; July 28; Sp. p. 4530; Gaz. vol. 135; p. 791.
- Photographs, &c., Non-curling adhesive for mounting. N. B. Aukerman. No. 906,499; Dec. 15; Sp. p. 2687; Gaz. vol. 137; p. 1489.
- Photographs, Producing colored. B. J. Cooper. No. 898,554; Sept. 15; Sp. p. 2656; Gaz. vol. 136; p. 488.
- Photographs, Production of colored. W. Merckens and J. H. Smith. No. 885,066; Apr. 21; Sp. p. 2856; Gaz. vol. 133; p. 1707.
- Photographs, Temporary carrier and gravital feed for. P. V. W. Welsh. No. 906,738; Dec. 15; Sp. p. 3183; Gaz. vol. 137; p. 1570.
- Photographs translucent, Compound for rendering. A. T. McIlvain and G. F. Stover. No. 902,102; Oct. 27; Sp. p. 4252; Gaz. vol. 136; p. 1329.
- Photographs, Utilizing Lippmann. A. Köhler and J. Lehmann. No. 890,863; June 16; Sp. p. 3389; Dr. p. 743; Gaz. vol. 134; p. 1660.
- Photographer's apparatus. Z. J. Gold. No. 906,491; Dec. 8; Sp. p. 2668; Gaz. vol. 137; p. 1460.
- Photographer's appliance. E. N. Smith. No. 889,731; June 2; Sp. p. 1063; Dr. p. 245; Gaz. vol. 134; p. 1230.
- Photographer's background-carrier. H. Tomlinson. No. 894,918; Aug. 4; Sp. p. 260; Dr. p. 56; Gaz. vol. 135; p. 940.
- Photographer's flash-lamp. E. Bauer and R. Vilim. No. 908,196; Dec. 29; Sp. p. 6154; Gaz. vol. 137; p. 2109.
- Photographer's form and print holder. M. B. Harlow. No. 904,064; Nov. 17; Sp. p. 3104; Gaz. vol. 137; p. 564.
- Photographer's light-regulator. A. C. Novess. No. 882,838; Mar. 24; Sp. p. 4665; Dr. p. 993; Gaz. vol. 133; p. 863.
- Photographers, Telemeter for the use of. F. W. Riches. No. 884,955; Apr. 14; Sp. p. 2629; Dr. pp. 555-6; Gaz. vol. 133; p. 1638.
- Photographers' use, Apparatus for. W. Becker. No. 908,064; Dec. 29; Sp. p. 5845; Gaz. vol. 137; p. 2063.
- Photographers' use, Means for producing artificial light for. F. E. Barentzen. No. 897,569; Sept. 1; Sp. p. 677; Dr. p. 142; Gaz. vol. 136; p. 106.
- Photographic and other purposes, Manufacture of films for. J. H. Smith. No. 886,883; May 5; Sp. p. 1106; Dr. p. 231; Gaz. vol. 134; p. 181.
- Photographic apparatus. D. D. Routh. No. 889,262; June 2; Sp. p. 134; Dr. p. 33; Gaz. vol. 134; p. 1080.
- Photographic apparatus. J. B. Low, F. C. Bradburn and J. H. Tyler. No. 899,792; Sept. 29; Sp. p. 5076; Dr. p. 1086; Gaz. vol. 136; p. 953.
- Photographic apparatus. F. C. Bradburn. No. 901,398; Oct. 13; Sp. p. 2554; Dr. p. 526; Gaz. vol. 136; p. 1501.
- Photographic apparatus. F. C. Bradburn, J. H. Tyler, and J. B. Low. No. 901,399; Oct. 13; Sp. p. 2556; Dr. p. 526; Gaz. vol. 136; p. 1502.
- Photographic apparatus, Electrically-operated. W. A. Chamberlain. No. 889,659; June 2; Sp. p. 909; Dr. p. 211; Gaz. vol. 134; p. 1205.
- Photographic appliance. F. C. Bradburn, J. H. Tyler, and J. B. Low. No. 894,937; Aug. 4; Sp. p. 326; Dr. p. 66; Gaz. vol. 135; p. 946.
- Photographic camera, Folding. F. A. Brownell. No. 905,122; Nov. 24; Sp. p. 5326; Gaz. vol. 137; p. 948.

Alphabetical list of inventions—Continued.

- Photographic cartridge-film, Flexible. F. W. Lovejoy. No. 883,819; Apr. 7; Sp. p. 288; Dr. p. 53; Gaz. vol. 133; p. 1239.
- Photographic copies of printed matter and the like, Making. C. von Arnhard. No. 897,954; Sept. 8; Sp. p. 1483; Dr. p. 315; Gaz. vol. 136; p. 264.
- Photographic developing apparatus. F. W. Barnes and M. B. Punnett. No. 887,055; May 12; Sp. p. 1429; Dr. p. 302; Gaz. vol. 134; p. 264.
- Photographic developing apparatus. A. Sherrick. No. 890,379; June 9; Sp. p. 2397; Dr. pp. 528-9; Gaz. vol. 134; p. 1469.
- Photographic developing apparatus. P. Abbott. No. 891,391; June 23; Sp. p. 4476; Dr. pp. 974-5; Gaz. vol. 134; p. 1865.
- Photographic developing-machine. T. S. Graves. No. 897,090; Aug. 25; Sp. p. 4669; Dr. p. 995; Gaz. vol. 135; p. 1720.
- Photographic device. G. W. Stephenson. No. 893,396; July 14; Sp. p. 2010; Dr. p. 422; Gaz. vol. 135; p. 362.
- Photographic emulsion. J. T. Gateau. No. 905,306; Dec. 1; Sp. p. 340; Gaz. vol. 137; p. 1043.
- Photographic enlarging or reducing apparatus. H. R. Cook. No. 895,968; Aug. 1; Sp. p. 2389; Dr. pp. 511-12; Gaz. vol. 135; p. 1309.
- Photographic-film cartridge. H. L. Gray. No. 876,271; Jan. 7; Sp. p. 1146; Dr. p. 249; Gaz. vol. 132; p. 192.
- Photographic-film cartridges, Developing-box for. P. Abbott. No. 899,495; Sept. 29; Sp. p. 4433; Dr. p. 952; Gaz. vol. 136; p. 855.
- Photographic-film-developing machine. E. A. Rutenber. No. 907,890; Dec. 29; Sp. p. 5485; Gaz. vol. 137; p. 2006.
- Photographic film for daylight loading. G. Bianchi. No. 886,673; May 5; Sp. p. 665; Dr. p. 138; Gaz. vol. 134; p. 114.
- Photographic-film package and holder therefor. M. Niell. No. 900,194; Oct. 6; Sp. p. 258; Dr. p. 52; Gaz. vol. 136; p. 1114.
- Photographic films, Machine for exposing and developing. G. C. Beidler. (Reissue.) No. 12,834; July 28; Sp. p. 5021; Dr. p. 1047; Gaz. vol. 135; p. 876.
- Photographic images, Manufacture of colored. L. Didier. No. 885,453; Apr. 21; Sp. p. 3664; Gaz. vol. 133; p. 1834.
- Photographic objective. P. Rudolph. No. 886,416; May 5; Sp. p. 153; Dr. p. 32; Gaz. vol. 134; p. 30.
- Photographic objective. P. Rudolph. No. 895,045; Aug. 4; Sp. p. 546; Dr. p. 111; Gaz. vol. 135; p. 984.
- Photographic paper, Treating. E. A. Cunningham. No. 895,970; Aug. 11; Sp. p. 2398; Gaz. vol. 135; p. 1310.
- Photographic pictures from a height, Apparatus for taking. G. B. Seele. No. 894,348; July 28; Sp. p. 4130; Dr. p. 853; Gaz. vol. 135; p. 727.
- Photographic-plate holder. C. von Unruh. No. 891,304; June 23; Sp. p. 4289; Dr. p. 937; Gaz. vol. 134; p. 1836.
- Photographic-plate-holder slide. L. Borsum. No. 894,582; July 28; Sp. p. 4595; Dr. p. 953; Gaz. vol. 135; p. 804.
- Photographic plates, Daylight developing apparatus for. C. F. Aurich. No. 903,432; Nov. 10; Sp. p. 1781; Gaz. vol. 137; p. 324.
- Photographic plates, Developing-package for. A. B. Sheppard. No. 901,203; Oct. 13; Sp. p. 2342; Dr. pp. 479-80; Gaz. vol. 136; p. 1469.
- Photographic plates, Device for transferring. A. B. Sheppard. No. 901,201; Oct. 13; Sp. p. 2336; Dr. p. 479; Gaz. vol. 136; p. 1468.
- Photographic plates, Packing-box for. A. B. Sheppard. No. 901,200; Oct. 13; Sp. p. 2334; Dr. p. 478; Gaz. vol. 136; p. 1468.
- Photographic posing device. F. W. C. Pohle. No. 895,542; July 14; Sp. p. 2348; Dr. p. 492; Gaz. vol. 135; p. 410.
- Photographic print apparatus. W. E. Sinclair. No. 888,540; May 26; Sp. p. 4417; Dr. pp. 937-8; Gaz. vol. 134; p. 811.
- Photographic-print box. M. H. Havenhill and E. A. Jenkinson. No. 877,078; Jan. 21; Sp. p. 2864; Dr. p. 618; Gaz. vol. 132; p. 534.
- Photographic prints, Making. C. L. A. Brasseur. No. 897,815; Sept. 1; Sp. p. 1166; Dr. p. 248; Gaz. vol. 136; p. 185.
- Photographic-printing apparatus. A. C. Y. Macadam. No. 882,571; Mar. 24; Sp. p. 4134; Dr. p. 877; Gaz. vol. 133; p. 775.
- Photographic-printing apparatus. B. J. Hall. No. 882,676; Mar. 24; Sp. p. 4348; Dr. p. 925; Gaz. vol. 133; p. 811.
- Photographic-printing apparatus. J. W. Vickers. No. 884,056; Apr. 7; Sp. p. 780; Dr. p. 163; Gaz. vol. 133; p. 1318.
- Photographic-printing apparatus. T. T. Sabroe. No. 884,297; Apr. 7; Sp. p. 1269; Dr. p. 268; Gaz. vol. 133; p. 1395.
- Photographic-printing apparatus. P. Latta. No. 884,740; Apr. 14; Sp. p. 2204; Dr. p. 466; Gaz. vol. 133; p. 1571.
- Photographic-printing apparatus. A. Cottillon. No. 889,443; June 2; Sp. p. 504; Dr. pp. 119-20; Gaz. vol. 134; p. 1139.
- Photographic-printing-apparatus attachment. H. H. McIntire. No. 895,034; Aug. 4; Sp. p. 528; Dr. p. 107; Gaz. vol. 135; p. 981.
- Photographic-printing apparatus, Continuous. B. H. Bragg. No. 883,617; Mar. 31; Sp. p. 6256; Dr. p. 1334; Gaz. vol. 133; p. 1146.
- Photographic-printing frame. J. Nelson. No. 885,637; Apr. 21; Sp. p. 4031; Dr. p. 843; Gaz. vol. 133; p. 1889.
- Photographic-printing frame. J. C. Fyfe. No. 891,158; June 16; Sp. p. 3960; Dr. p. 868; Gaz. vol. 134; p. 1755.
- Photographic-printing frame. J. Goddard. No. 907,592; Dec. 22; Sp. p. 4839; Gaz. vol. 137; p. 1879.
- Photographic-printing machine. C. J. Everett and J. V. McAdam. No. 883,396; Mar. 31; Sp. p. 5817; Dr. p. 1240; Gaz. vol. 133; p. 1075.
- Photographic-printing machine. E. C. Webster. No. 903,523; Nov. 10; Sp. p. 1976; Gaz. vol. 137; p. 355.
- Photographic-printing-machine pad. J. C. Calhoun. No. 888,585; May 26; Sp. p. 4522; Dr. p. 959; Gaz. vol. 134; p. 829.
- Photographic ray-filter. P. J. Dukelow. No. 886,684; May 5; Sp. p. 689; Dr. p. 143; Gaz. vol. 134; p. 117.
- Photographic reflector. S. Holm. No. 890,651; June 16; Sp. p. 2965; Dr. p. 647; Gaz. vol. 134; p. 1591.
- Photographic sensitized plates, Means for the daylight loading and unloading of. R. R. Allen. No. 895,325; Aug. 4; Sp. p. 1108; Dr. p. 233; Gaz. vol. 135; p. 1078.
- Photographic shutter. E. L. Hall. No. 885,612; Apr. 21; Sp. p. 3981; Dr. pp. 831-2; Gaz. vol. 133; p. 1882.
- Photographic shutter. H. A. Byers. No. 906,862; Dec. 15; Sp. p. 3384; Gaz. vol. 137; p. 1603.
- Photographic shutter. W. Taylor. No. 908,355; Dec. 29; Sp. p. 6466; Gaz. vol. 137; p. 2163.
- Photographic-shutter mounting. F. A. Brownell. No. 900,081; Oct. 6; Sp. p. 15; Dr. p. 3; Gaz. vol. 136; p. 1077.
- Photographic use, Flash-light for. E. B. Moore. No. 902,430; Oct. 27; Sp. p. 4953; Dr. p. 1000; Gaz. vol. 136; p. 1937.
- Photographic view-finder. W. R. Elliott. No. 894,125; July 21; Sp. p. 3638; Dr. p. 750; Gaz. vol. 135; p. 633.
- Photographic vignetter. C. A. Birdsall. No. 900,650; Oct. 6; Sp. p. 1241; Dr. p. 254; Gaz. vol. 136; p. 1263.
- Photography. H. L. Reckard. No. 887,845; May 19; Sp. p. 3081; Dr. p. 646; Gaz. vol. 134; p. 556.
- Photography, Apparatus for flash-light. G. R. Lawrence. No. 881,595; Mar. 10; Sp. p. 2187; Dr. p. 477; Gaz. vol. 133; p. 398.
- Photography, Color. A. Davies. No. 879,445; Feb. 18; Sp. p. 3187; Gaz. vol. 132; p. 1429.
- Photography, Sensitive plate for color. A. and L. Lumiere. No. 877,351; Jan. 21; Sp. p. 3422; Dr. p. 742; Gaz. vol. 132; p. 624.
- Photometer. J. P. Meyer. No. 884,835; Apr. 14; Sp. p. 2390; Dr. p. 503; Gaz. vol. 133; p. 1602.
- Photometer. V. H. Slinack. No. 889,730; June 2; Sp. p. 1062; Dr. pp. 244-5; Gaz. vol. 134; p. 1230.
- Photomicrographical apparatus. F. N. Merwin. No. 899,793; Sept. 29; Sp. p. 5079; Dr. p. 1087; Gaz. vol. 136; p. 954.
- Photoprinting-machines, Automatic fluid-controlled variable-time-exposure valve mechanism for. J. F. Ware and T. W. Rundle. No. 899,235; Sept. 22; Sp. p. 3940; Dr. p. 841; Gaz. vol. 136; p. 736.
- Phototelegraph, Automatic. A. Korn. No. 888,098; May 19; Sp. p. 3560; Dr. pp. 746-7; Gaz. vol. 134; p. 637.
- Phthalic-acid salts of cotarnin and product resulting therefrom, Preparation of. M. Freund. No. 892,414; July 7; Sp. p. 43; Gaz. vol. 135; p. 11.
- Physico-culture apparatus. G. R. De Nise. No. 902,946; Nov. 3; Sp. p. 832; Gaz. vol. 137; p. 138.
- Physician's case. P. Ruchmann. No. 889,156; May 26; Sp. p. 5721; Dr. p. 1210; Gaz. vol. 134; p. 1014.
- Pianissimo device. H. L. Decker. No. 884,903; Apr. 14; Sp. p. 2518; Dr. p. 532; Gaz. vol. 133; p. 1622.
- Pianissimo device. J. C. Hagey. No. 893,487; July 14; Sp. p. 2231; Dr. p. 468; Gaz. vol. 135; p. 392.
- Pianissimo device or expression-governor. I. B. Smith. No. 877,604; Jan. 23; Sp. p. 3943; Dr. pp. 852-3; Gaz. vol. 132; p. 728.
- Piano. E. Frömsdorf. No. 876,335; Jan. 14; Sp. p. 1728; Dr. p. 376; Gaz. vol. 132; p. 314.
- Piano. E. E. Walter. No. 888,209; May 19; Sp. p. 3765; Dr. p. 790; Gaz. vol. 134; p. 673.
- Piano. C. E. Fauth. No. 892,511; July 7; Sp. p. 241; Dr. p. 56; Gaz. vol. 135; p. 44.
- Piano. J. A. Weser. No. 898,160; Sept. 8; Sp. p. 1891; Dr. p. 404; Gaz. vol. 136; p. 329.
- Piano. G. G. Hasbrouck. No. 905,527; Dec. 1; Sp. p. 848; Gaz. vol. 137; p. 1118.
- Piano-action. C. J. B. Socin. No. 880,173; Feb. 25; Sp. p. 4713; Dr. p. 995; Gaz. vol. 132; p. 1700.
- Piano-action. R. Eastwood. No. 882,302; Mar. 17; Sp. p. 3630; Dr. p. 770; Gaz. vol. 133; p. 654.
- Piano-action. R. Oppitz. No. 890,087; June 9; Sp. p. 1783; Dr. p. 394; Gaz. vol. 134; p. 1374.
- Piano-action. H. O. Clark. No. 893,705; July 21; Sp. p. 2683; Dr. p. 563; Gaz. vol. 135; p. 493.
- Piano-action. F. Schimmel. No. 896,763; Aug. 25; Sp. p. 3956; Dr. p. 852; Gaz. vol. 135; p. 1610.
- Piano-action. S. R. Perry. No. 900,305; Oct. 6; Sp. p. 494; Dr. p. 103; Gaz. vol. 136; p. 1150.
- Piano-action. S. R. Perry. No. 900,306; Oct. 6; Sp. p. 497; Dr. p. 104; Gaz. vol. 136; p. 1151.
- Piano-action. S. R. Perry. No. 900,307; Oct. 6; Sp. p. 501; Dr. p. 104; Gaz. vol. 136; p. 1151.
- Piano-action. S. R. Perry. No. 900,308; Oct. 6; Sp. p. 505; Dr. pp. 104-5; Gaz. vol. 136; p. 1152.
- Piano-action. A. B. Cross. No. 904,117; Nov. 17; Sp. p. 3207; Gaz. vol. 137; p. 582.
- Piano-action frame. F. G. Billings. No. 882,288; Mar. 17; Sp. p. 3606; Dr. pp. 764-5; Gaz. vol. 133; p. 650.
- Piano-action-supporting means. E. Sandner. No. 896,066; Aug. 11; Sp. p. 2574; Dr. p. 559; Gaz. vol. 135; p. 1341.
- Piano action, Upright-. M. Beckwith. No. 886,341; May 5; Sp. p. 11; Dr. p. 2; Gaz. vol. 134; p. 4.
- Piano-actions, Implement for replacing bridle-tapes in. G. W. Till. No. 883,502; Mar. 31; Sp. p. 6040; Dr. p. 1289; Gaz. vol. 133; p. 1112.
- Piano-agraffe. L. Avisus. No. 907,713; Dec. 29; Sp. p. 5127; Gaz. vol. 137; p. 1948.
- Piano, Automatic. M. Clark. No. 876,438; Jan. 14; Sp. p. 1513; Dr. p. 325; Gaz. vol. 132; p. 279.
- Piano, Automatic. S. J. Laughlin. No. 877,573; Jan. 28; Sp. p. 3877; Dr. p. 840; Gaz. vol. 132; p. 718.
- Piano, Automatic. M. Clark. No. 879,739; Feb. 18; Sp. p. 3803; Dr. p. 797; Gaz. vol. 132; p. 1525.
- Piano, Automatic. R. B. Fowler. No. 888,152; May 19; Sp. p. 3657; Dr. p. 765; Gaz. vol. 134; p. 654.
- Piano, Automatic. M. Clark. No. 901,323; Oct. 20; Sp. p. 2590; Dr. p. 533; Gaz. vol. 136; p. 1542.
- Piano, Automatic. F. W. Wood. No. 901,929; Oct. 20; Sp. p. 3875; Dr. pp. 790-1; Gaz. vol. 136; p. 1743.

Alphabetical list of inventions—Continued.

- Piano, &c., Automatic. J. A. Weser. No. 907,206; Dec. 22; Sp. p. 4053; Gaz. vol. 137; p. 1749.
Piano, &c., Automatic. J. A. Weser. No. 907,207; Dec. 22; Sp. p. 4057; Gaz. vol. 137; p. 1749.
Piano, Automatic grand. J. W. Darley, Jr. No. 901,890; Oct. 20; Sp. p. 3801; Dr. pp. 773-4; Gaz. vol. 136; p. 1730.
Piano, Automatic-playing. A. F. Larson and K. O. Ostergren. No. 891,938; June 30; Sp. p. 5600; Dr. pp. 1207-9; Gaz. vol. 134; p. 2078.
Piano, Automatic-playing. P. Wuest, Jr. No. 906,355; Dec. 8; Sp. p. 2429; Gaz. vol. 137; p. 1417.
Piano, Autopneumatic music-playing. F. C. White. No. 886,908; May 5; Sp. p. 1145; Dr. p. 241; Gaz. vol. 134; p. 188.
Piano back, Upright. A. Stahl. No. 890,811; June 16; Sp. p. 3299; Dr. p. 722; Gaz. vol. 134; p. 1644.
Piano, Bell. J. Havassy. No. 878,387; Feb. 4; Sp. p. 995; Dr. pp. 200-1; Gaz. vol. 132; p. 1011.
Piano-bench. H. L. Schuff. No. 888,754; May 26; Sp. p. 4870; Dr. p. 1038; Gaz. vol. 134; p. 883.
Piano-case. I. M. Field. No. 877,839; Jan. 28; Sp. p. 4375; Dr. p. 951; Gaz. vol. 132; p. 802.
Piano-case. L. W. Norcross. No. 890,443; June 9; Sp. p. 2510; Dr. p. 555; Gaz. vol. 134; p. 1490.
Piano-case construction. G. G. Hasbrouck. No. 898,470; Sept. 15; Sp. p. 2486; Dr. p. 532; Gaz. vol. 136; p. 460.
Piano case, Player-. H. J. Kiefer. No. 886,133; Apr. 28; Sp. p. 5083; Dr. pp. 1066-7; Gaz. vol. 133; p. 2083.
Piano-case top, Grand-. G. L. Bailhé. No. 896,884; Aug. 25; Sp. p. 4218; Dr. p. 902; Gaz. vol. 135; p. 1651.
Piano fall-board, J. Hattemer. No. 902,293; Oct. 27; Sp. p. 4646; Dr. p. 943; Gaz. vol. 136; p. 1890.
Piano-flange. G. H. Campbell. No. 883,387; Mar. 31; Sp. p. 5796; Dr. p. 1237; Gaz. vol. 133; p. 1073.
Piano-flange. W. W. McCall. No. 899,064; Sept. 22; Sp. p. 3592; Dr. p. 769; Gaz. vol. 136; p. 679.
Piano-flange-attaching bar. F. C. Billings. No. 906,373; Dec. 8; Sp. p. 2457; Gaz. vol. 137; p. 1422.
Piano-flange-attaching bar. F. G. Billings. No. 906,374; Dec. 8; Sp. p. 2459; Gaz. vol. 137; p. 1422.
Piano-frame. G. G. Hasbrouck. No. 885,247; Apr. 21; Sp. p. 3258; Dr. p. 680; Gaz. vol. 133; p. 1767.
Piano-frames, Capo-tasto bar for. C. C. Chickering. No. 888,065; May 19; Sp. p. 3492; Dr. p. 731; Gaz. vol. 134; p. 626.
Piano-hammers, Making felt for. J. Marson. No. 884,597; Apr. 14; Sp. p. 1888; Dr. p. 405; Gaz. vol. 133; p. 1523.
Piano-hammers, Means for repairing the felt heads of. R. R. Bodé. No. 888,141; May 19; Sp. p. 3642; Dr. p. 763; Gaz. vol. 134; p. 651.
Piano-keyboard. F. Kuba. No. 888,100; May 19; Sp. p. 3575; Dr. p. 748; Gaz. vol. 134; p. 638.
Piano-keys, Touch-adjusting mechanism for. W. M. Clemans. No. 882,814; Mar. 24; Sp. p. 4615; Dr. p. 984; Gaz. vol. 133; p. 855.
Piano magazine, Self-playing-. E. Guthrie. No. 891,802; June 23; Sp. p. 5322; Dr. p. 1152; Gaz. vol. 134; p. 2002.
Piano mandolin attachment. P. von Rohl. No. 906,662; Dec. 15; Sp. p. 2983; Gaz. vol. 137; p. 1538.
Piano, Manually and pneumatically operated automatic. J. W. Davis. No. 884,320; Apr. 7; Sp. p. 1306; Dr. pp. 276-7; Gaz. vol. 133; p. 1402.
Piano or organ players, Governing mechanism for pneumatic. J. H. Chase. No. 886,347; May 5; Sp. p. 18; Dr. p. 4; Gaz. vol. 134; p. 6.
Piano or organ players, Valve for. H. M. Smith. No. 878,096; Feb. 4; Sp. p. 410; Dr. p. 87; Gaz. vol. 132; p. 914.
Piano-pedal. E. P. Sedgwick. No. 884,220; Apr. 7; Sp. p. 1142; Dr. p. 240; Gaz. vol. 133; p. 1371.
Piano, Player-. G. Hochman. No. 889,685; June 2; Sp. p. 978; Dr. p. 226; Gaz. vol. 134; p. 1216.
Piano, Player-. G. A. Baker, Jr. No. 899,018; Sept. 22; Sp. p. 3520; Dr. p. 754; Gaz. vol. 136; p. 665.
Piano-player attachment. C. E. Pryor. No. 894,095; July 28; Sp. p. 4822; Dr. pp. 1001-2; Gaz. vol. 135; p. 841.
Piano-player, Automatic. S. A. Swanson. No. 904,284; Nov. 17; Sp. p. 3597; Gaz. vol. 137; p. 641.
Piano-player automatic attachment. F. P. Smith. No. 907,707; Dec. 22; Sp. p. 5118; Gaz. vol. 137; p. 1917.
Piano-player, Electric. T. B. Povers. (Reissue). No. 12,845; Aug. 25; Sp. p. 5119; Dr. pp. 1069-70; Gaz. vol. 135; p. 1781.
Piano-player, Electromagnetic. W. B. Kraft. No. 879,879; Feb. 25; Sp. p. 4110; Dr. p. 862; Gaz. vol. 132; p. 1603.
Piano-player, Mechanical. H. T. Logan. No. 900,179; Oct. 6; Sp. p. 228; Dr. p. 46; Gaz. vol. 136; p. 1109.
Piano-player, Pneumatic. C. E. Pryor. No. 892,887; July 7; Sp. p. 997; Dr. pp. 208-9; Gaz. vol. 135; p. 166.
Piano-player, Pneumatic. H. Schwesinger. No. 895,803; Aug. 11; Sp. p. 2063; Dr. p. 438; Gaz. vol. 135; p. 1256.
Piano-player treadle, Automatic. F. W. Wright and P. H. Cumberford. No. 883,068; Mar. 24; Sp. p. 5112; Dr. pp. 1090-1; Gaz. vol. 133; p. 938.
Piano-players, Action for pneumatic. E. Carlson. No. 892,400; July 7; Sp. p. 22; Dr. pp. 6-7; Gaz. vol. 135; p. 7.
Piano-players, Bellows-actuating device for mechanical. J. Newman. No. 907,860; Dec. 29; Sp. p. 5419; Gaz. vol. 137; p. 1997.
Piano-players, &c., Expression and feed control for. R. F. Bancroft. No. 899,094; Sept. 22; Sp. p. 3655; Dr. p. 783; Gaz. vol. 136; p. 689.
Piano-players, Key-rail device for mechanical. J. Newman. No. 907,861; Dec. 29; Sp. p. 5421; Gaz. vol. 137; p. 1997.
Piano-players, Note-sheet for autopneumatic. J. W. Clouse. No. 889,204; June 2; Sp. p. 29; Dr. p. 8; Gaz. vol. 134; p. 1062.
Piano-playing attachment. J. E. Shoemaker. No. 901,562; Oct. 20; Sp. p. 3138; Dr. p. 641; Gaz. vol. 136; p. 1624.
Piano-playing instrument, Electrical. A. L. Hart. No. 898,218; Sept. 8; Sp. p. 2002; Dr. pp. 425-6; Gaz. vol. 136; p. 346.
Piano-playing machine. F. P. Hanson. No. 908,404; Dec. 29; Sp. p. 6578; Gaz. vol. 137; p. 2180.
Piano, Pneumatic. A. Nordeen. No. 903,758; Nov. 10; Sp. p. 2442; Gaz. vol. 137; p. 427.
Piano, Repeating action, Grand-. A. Nickel. No. 879,978; Feb. 25; Sp. p. 4324; Dr. p. 905; Gaz. vol. 132; p. 1637.
Piano repetition-action. L. Charpiat. No. 904,308; Nov. 17; Sp. p. 3646; Gaz. vol. 137; p. 650.
Piano, Self-playing. F. E. Ives. No. 901,906; Oct. 20; Sp. p. 3835; Dr. p. 781; Gaz. vol. 136; p. 1736.
Piano, Self-playing grand. J. W. Darley, Jr. No. 901,281; Oct. 13; Sp. p. 2498; Dr. pp. 512-14; Gaz. vol. 136; p. 1493.
Piano sounding-board. A. Kriehoff. No. 885,261; Apr. 21; Sp. p. 3280; Dr. pp. 685-6; Gaz. vol. 133; p. 1771.
Piano-sounding-board bridges, Mechanism for notching. H. G. and A. F. Osterberg. No. 901,644; Oct. 20; Sp. p. 3294; Dr. p. 676; Gaz. vol. 136; p. 1650.
Piano sounding-boards, Making. A. Dolge. No. 879,373; Feb. 18; Sp. p. 2030; Dr. p. 631; Gaz. vol. 132; p. 1406.
Piano string-frame, Upright-. H. Ziegler. No. 878,926; Feb. 11; Sp. p. 2152; Dr. p. 449; Gaz. vol. 132; p. 1221.
Piano touch-regulator. C. E. Pryor. No. 897,556; Sept. 1; Sp. p. 653; Dr. p. 137; Gaz. vol. 136; p. 102.
Piano-tuning hammer, Combination. C. P. Dolan. No. 892,506; July 7; Sp. p. 231; Dr. p. 48; Gaz. vol. 135; p. 43.
Piano-tuning pin. J. J. Bruer. No. 883,285; Mar. 31; Sp. p. 5577; Dr. p. 1189; Gaz. vol. 133; p. 1040.
Piano, Upright. J. J. Thomas. No. 878,025; Feb. 4; Sp. p. 277; Dr. p. 59; Gaz. vol. 132; p. 893.
Piano-violin. G. Walch. No. 884,785; Apr. 14; Sp. p. 2310; Dr. p. 485; Gaz. vol. 133; p. 1586.
Piano-violin. O. Kurtz. No. 899,740; Sept. 29; Sp. p. 4943; Dr. pp. 1060-1; Gaz. vol. 136; p. 934.
Piano-violin. W. Klink. No. 900,021; Sept. 29; Sp. p. 5557; Dr. p. 1183; Gaz. vol. 136; p. 1027.
Piano-violin. A. Piatkiewicz. No. 907,870; Dec. 29; Sp. p. 5436; Gaz. vol. 137; p. 2000.
Pianos, Clamping mechanism for pneumatically-operated. A. G. Gulbransen. No. 903,285; Nov. 10; Sp. p. 1502; Gaz. vol. 137; p. 277.
Pianos, Detachable automatic action for. E. A. Steel. No. 883,252; Mar. 31; Sp. p. 5508; Dr. p. 1174; Gaz. vol. 133; p. 1029.
Pianos, Device for use in obtaining bridge-bearings in constructing. E. C. Sager. No. 901,262; Oct. 13; Sp. p. 2450; Dr. p. 503; Gaz. vol. 136; p. 1486.
Pianos, Divided action for. T. Danquard. No. 887,773; May 19; Sp. p. 2929; Dr. pp. 616-17; Gaz. vol. 134; p. 531.
Pianos, Door for automatic. J. Sampere. No. 898,688; Sept. 15; Sp. p. 2919; Dr. p. 625; Gaz. vol. 136; p. 531.
Pianos, Fall-board mechanism for. C. E. Pryor. No. 898,781; Sept. 15; Sp. p. 3083; Dr. p. 660; Gaz. vol. 136; p. 560.
Pianos, Fulcrum-bar for player-. C. E. Pryor. No. 893,012; July 14; Sp. p. 1277; Dr. p. 209; Gaz. vol. 135; p. 238.
Pianos, Lock-slip for automatic. R. K. Thumler. No. 882,433; Mar. 17; Sp. p. 3855; Dr. p. 823; Gaz. vol. 133; p. 697.
Pianos, Means for controlling expression in automatic. H. S. Hornbeck. No. 898,477; Sept. 15; Sp. p. 2496; Dr. p. 535; Gaz. vol. 136; p. 462.
Pianos, Modulating attachment for automatic. T. Danquard. No. 889,444; June 2; Sp. p. 506; Dr. p. 120; Gaz. vol. 134; p. 1139.
Pianos, Music-rest for. L. W. Norcross. No. 890,444; June 9; Sp. p. 2511; Dr. p. 556; Gaz. vol. 134; p. 1490.
Pianos, Mute attachment for. E. I. Pfeifer. No. 878,421; Feb. 4; Sp. p. 1058; Dr. p. 214; Gaz. vol. 132; p. 1022.
Pianos, Organs, &c., Key-bottom for. P. Duffy. No. 891,469; June 23; Sp. p. 4626; Dr. p. 1004; Gaz. vol. 134; p. 1891.
Pianos, Pedal for automatically-operated. J. Sampere. No. 901,125; Oct. 13; Sp. p. 2207; Dr. p. 449; Gaz. vol. 136; p. 1443.
Pianos, Pneumatic action for automatic. W. J. Publow. No. 891,951; June 30; Sp. p. 5655; Dr. p. 1218; Gaz. vol. 134; p. 2083.
Pianos, Pneumatic valve-action for player-. W. Wieser. No. 895,220; Aug. 4; Sp. p. 890; Dr. p. 186; Gaz. vol. 135; p. 1043.
Pianos, Pressing device for the strings of. W. D. Sumlin. No. 888,365; May 19; Sp. p. 4061; Dr. p. 856; Gaz. vol. 134; p. 723.
Pianos, Repeating action for grand. A. Nickel. No. 902,439; Oct. 27; Sp. p. 4966; Dr. p. 1003; Gaz. vol. 136; p. 1939.
Pianos, Self-playing attachment for. G. H. Davis. No. 887,774; May 19; Sp. p. 2932; Dr. p. 617; Gaz. vol. 134; p. 532.
Pianos, Tune-sheet attachment for autopneumatic. A. J. Hobart. No. 892,423; July 7; Sp. p. 60; Dr. p. 14; Gaz. vol. 135; p. 14.
Pianoforte. W. R. T. Hill. No. 901,615; Oct. 20; Sp. p. 3238; Dr. pp. 663-4; Gaz. vol. 136; p. 1640.
Pianoforte-action, Upright-. W. Wallace. No. 904,904; Nov. 24; Sp. p. 4894; Gaz. vol. 137; p. 874.
Pianoforte-case. J. A. Hussey. No. 884,089; Apr. 7; Sp. p. 853; Dr. p. 179; Gaz. vol. 133; p. 1328.
Pianoforte-case. J. A. Deleue. No. 894,613; July 28; Sp. p. 4663; Dr. p. 968; Gaz. vol. 135; p. 813.
Pick. J. Hammerin, Jr. No. 890,426; June 9; Sp. p. 2481; Dr. p. 549; Gaz. vol. 134; p. 1484.
Pick. A. Ostlund. No. 901,995; Oct. 27; Sp. p. 4051; Dr. p. 821; Gaz. vol. 136; p. 1795.
Pick. E. Terry. No. 902,627; Nov. 3; Sp. p. 191; Gaz. vol. 137; p. 32.
Pick. G. B. Yeane. No. 903,428; Nov. 10; Sp. p. 1775; Gaz. vol. 137; p. 323.
Pick-head usable with removable points. J. Mazlin. No. 899,455; Sept. 22; Sp. p. 4344; Dr. p. 932; Gaz. vol. 136; p. 805.
Pickax-guard. T. W. Gordon. No. 899,487; Sept. 22; Sp. p. 4403; Dr. p. 946; Gaz. vol. 136; p. 816.

Alphabetical list of inventions—Continued.

- Picker: *See* Berry-picker; Cotton-picker; Cranberry-picker; Fruit-picker; Fruit and flower picker; Loom-picker; Peanut-picker; Potato-picker; Slate-picker; Strawberry-picker; Vegetable and fruit picker.
- Picker-stick check. T. Boucher. No. 904,753; Nov. 24; Sp. p. 4562; Gaz. vol. 137; p. 824.
- Pickle-fork. E. F. Menkin. No. 880,807; Mar. 3; Sp. p. 642; Dr. p. 135; Gaz. vol. 133; p. 111.
- Pickle-fork. H. Babin. No. 881,285; Mar. 10; Sp. p. 1595; Dr. pp. 341; Gaz. vol. 133; p. 298.
- Pickling and tinning apparatus, Continuous. H. J. Scanlon. No. 893,383; July 14; Sp. p. 1986; Dr. p. 417; Gaz. vol. 135; p. 358.
- Pictorial composition, Device for use in studying. A. B. Johnson. No. 902,299; Oct. 27; Sp. p. 4658; Dr. p. 945; Gaz. vol. 136; p. 1893.
- Picture and looking-glass frame. F. J. and H. G. Carl. No. 903,955; Nov. 17; Sp. p. 2888; Gaz. vol. 137; p. 527.
- Picture and producing the same, Multiple. G. Holmsten. No. 886,606; May 5; Sp. p. 523; Dr. p. 112; Gaz. vol. 134; p. 93.
- Picture and stovepipe holder, Combined. A. Mantenfel. No. 888,182; May 19; Sp. p. 3716; Dr. p. 777; Gaz. vol. 134; p. 663.
- Picture apparatus, Life-motion-. J. Bianchi. No. 886,674; May 5; Sp. p. 667; Dr. p. 139; Gaz. vol. 134; p. 114.
- Picture apparatus, Moving-. S. M. Tannehill. No. 879,691; Feb. 18; Sp. p. 3708; Dr. p. 777; Gaz. vol. 132; p. 1509.
- Picture apparatus, Moving-. H. S. and L. Isaacs. (Reissue.) No. 12,869; Oct. 27; Sp. p. 5213; Dr. p. 1053; Gaz. vol. 136; p. 1975.
- Picture apparatus, Safety appliance for moving-. A. F. Elkins and H. Hunter. (Reissue.) No. 12,853; Sept. 15; Sp. p. 3512; Dr. p. 751; Gaz. vol. 136; p. 637.
- Picture-border. G. F. E. Pearsall. No. 882,710; Mar. 28; Sp. p. 4407; Dr. p. 937; Gaz. vol. 133; p. 822.
- Picture-card. A. Kinnicutt. No. 882,150; Mar. 17; Sp. p. 3324; Dr. p. 708; Gaz. vol. 133; p. 605.
- Picture card, Invisible-. C. F. Morse. No. 901,723; Oct. 20; Sp. p. 3499; Dr. p. 707; Gaz. vol. 136; p. 1678.
- Picture-coloring device, Motion-. C. N. Marceau. No. 906,813; Dec. 15; Sp. p. 3276; Gaz. vol. 137; p. 1587.
- Picture device, Movable-. G. Westphal. No. 890,740; June 16; Sp. p. 3154; Dr. p. 691; Gaz. vol. 134; p. 1620.
- Picture-display machine. H. A. Farrand. No. 881,916; Mar. 17; Sp. p. 2863; Dr. p. 611; Gaz. vol. 133; p. 529.
- Picture-displaying cabinet. A. Pinkerton. No. 902,833; Nov. 3; Sp. p. 601; Gaz. vol. 137; p. 102.
- Picture effects, Producing moving-. E. Keen. No. 885,674; Apr. 21; Sp. p. 4113; Dr. p. 861; Gaz. vol. 133; p. 1902.
- Picture-exhibition device. J. H. Gravell and G. D. Farwell. No. 900,522; Oct. 6; Sp. p. 971; Dr. p. 197; Gaz. vol. 136; p. 1220.
- Picture for stereoscopes and similar devices. E. P. Crocker and A. B. Payne. No. 899,862; Sept. 29; Sp. p. 5228; Dr. p. 1118; Gaz. vol. 136; p. 977.
- Picture-frame. E. G. Hewitt. No. 881,073; Mar. 3; Sp. p. 1164; Dr. p. 251; Gaz. vol. 133; p. 198.
- Picture-frame. A. Turner. No. 890,202; June 9; Sp. p. 2021; Dr. p. 445; Gaz. vol. 134; p. 1412.
- Picture-frame. J. F. Hawkes. No. 896,827; Aug. 25; Sp. p. 4102; Dr. p. 882; Gaz. vol. 135; p. 1633.
- Picture-frame. C. Ward. No. 898,614; Sept. 15; Sp. p. 2765; Dr. p. 590; Gaz. vol. 136; p. 507.
- Picture-frame. E. W. Craig. No. 905,850; Dec. 8; Sp. p. 1460; Gaz. vol. 137; p. 1252.
- Picture-frame corner-piece. C. C. Faucette. No. 884,083; Apr. 7; Sp. p. 846; Dr. p. 178; Gaz. vol. 133; p. 1326.
- Picture-frame, Extensible. J. A. and A. W. Watt. No. 888,280; May 19; Sp. p. 3890; Dr. p. 820; Gaz. vol. 134; p. 697.
- Picture-frame, Extensible. C. Van der Boom. No. 908,170; Dec. 29; Sp. p. 6068; Gaz. vol. 137; p. 2099.
- Picture-frame, Knockdown. F. Parker. No. 899,556; Sept. 29; Sp. p. 4571; Dr. p. 982; Gaz. vol. 136; p. 876.
- Picture frame or protective casing. D. W. Fratcher. No. 899,393; Sept. 22; Sp. p. 4236; Dr. p. 908; Gaz. vol. 136; p. 786.
- Picture-frames and furniture, Means for ornamenting. H. Björnson. No. 891,976; June 30; Sp. p. 5098; Dr. p. 1226; Gaz. vol. 134; p. 2091.
- Picture-hanger. H. C. Burnard. No. 881,661; Mar. 10; Sp. p. 2331; Dr. p. 505; Gaz. vol. 133; p. 419.
- Picture-hanger. M. B. Franklin. No. 882,243; Mar. 17; Sp. p. 3512; Dr. p. 743; Gaz. vol. 133; p. 634.
- Picture-hanger. O. S. Olson. No. 882,339; Mar. 17; Sp. p. 3704; Dr. p. 787; Gaz. vol. 133; p. 667.
- Picture-hanger. L. Thomas. No. 884,538; Apr. 14; Sp. p. 1760; Dr. p. 378; Gaz. vol. 133; p. 1503.
- Picture-hanger. H. N. Patrick. No. 885,172; Apr. 21; Sp. p. 3102; Dr. pp. 652-3; Gaz. vol. 133; p. 1741.
- Picture-hanger. J. N. Copeland. No. 893,788; July 21; Sp. p. 2940; Dr. p. 601; Gaz. vol. 135; p. 522.
- Picture-hanger. E. Fleming. No. 894,197; July 28; Sp. p. 3808; Dr. p. 789; Gaz. vol. 135; p. 677.
- Picture-hanger. J. N. Copeland. No. 894,817; Aug. 4; Sp. p. 28; Dr. p. 6; Gaz. vol. 135; p. 905.
- Picture-hanger. O. J. Faris. No. 897,969; Sept. 8; Sp. p. 1518; Dr. p. 322; Gaz. vol. 136; p. 268.
- Picture-hanger. S. A. Graninger. No. 906,127; Dec. 8; Sp. p. 1993; Gaz. vol. 137; p. 1340.
- Picture-hanging device. G. A. Francis. No. 904,690; Nov. 24; Sp. p. 4433; Gaz. vol. 137; p. 803.
- Picture-holder. G. N. Marvin. No. 881,936; Mar. 17; Sp. p. 2905; Dr. p. 620; Gaz. vol. 133; p. 537.
- Picture-hook. A. H. Kemper. No. 888,819; May 26; Sp. p. 5036; Dr. p. 1074; Gaz. vol. 134; p. 905.
- Picture-hook hanger. C. W. Holtz. No. 907,599; Dec. 22; Sp. p. 4853; Gaz. vol. 137; p. 1881.
- Picture machine, Moving-. J. E. Lagergren. No. 877,346; Jan. 21; Sp. p. 3409; Dr. pp. 739-40; Gaz. vol. 132; p. 622.
- Picture machine, Moving-. D. J. Bell. No. 879,355; Feb. 18; Sp. p. 2978; Dr. pp. 622-3; Gaz. vol. 132; p. 1400.
- Picture machine, Moving-. H. K. Sandell. No. 890,936; June 16; Sp. p. 3551; Dr. pp. 774-6; Gaz. vol. 134; p. 1684.
- Picture machine, Moving-. C. A. Moran. No. 904,212; Nov. 17; Sp. p. 3429; Gaz. vol. 137; p. 617.
- Picture machines, Film-winder for moving-. H. K. Sandell. No. 887,431; May 12; Sp. p. 2252; Dr. p. 472; Gaz. vol. 134; p. 389.
- Picture machines, Light-shield for moving-. J. J. Pink. No. 895,547; July 7; Sp. p. 298; Dr. p. 65; Gaz. vol. 135; p. 56.
- Picture-molding bracket. J. G. Peterson. No. 888,032; May 19; Sp. p. 3436; Dr. p. 721; Gaz. vol. 134; p. 617.
- Picture-molding bracket. E. Christian. No. 898,835; Sept. 15; Sp. p. 3179; Dr. p. 680; Gaz. vol. 136; p. 578.
- Picture-moldings, Auxiliary holding-strip of metal for. G. F. Drew. No. 888,972; May 26; Sp. p. 5354; Dr. p. 1136; Gaz. vol. 134; p. 955.
- Picture-moldings, picture-frames, and the like, Mechanism for use in the preparation of. C. E. Seckford. No. 889,553; June 2; Sp. p. 726; Dr. pp. 167-8; Gaz. vol. 134; p. 1174.
- Picture-projecting machine, Moving-. O. T. Weiser. No. 881,512; Mar. 10; Sp. p. 2032; Dr. p. 443; Gaz. vol. 133; p. 369.
- Picture-supporter. E. F. Bradt. No. 886,935; May 5; Sp. p. 1191; Dr. p. 251; Gaz. vol. 134; p. 198.
- Pictures and photographic-printing plates, Producing. W. Triepel. No. 901,218; Oct. 13; Sp. p. 2362; Gaz. vol. 136; p. 1472.
- Pictures, Apparatus for viewing panoramic. A. Hattii. No. 888,236; May 19; Sp. p. 3811; Dr. p. 800; Gaz. vol. 134; p. 682.
- Pictures, Device to hang and unhang. E. J. Dupeire. No. 889,215; June 2; Sp. p. 60; Dr. p. 13; Gaz. vol. 134; p. 1066.
- Pictures, Machine for making and displaying. W. N. Selig. No. 886,654; May 5; Sp. p. 614; Dr. pp. 128-9; Gaz. vol. 134; p. 107.
- Pie cutter and crimper. A. H. Stillwagen. No. 881,738; Mar. 10; Sp. p. 2476; Dr. p. 533; Gaz. vol. 133; p. 442.
- Pie-machine. O. Colborne. No. 896,056; Aug. 11; Sp. p. 2550; Dr. p. 554; Gaz. vol. 135; p. 1338.
- Pie-pan. B. C. Cook. No. 887,852; May 19; Sp. p. 3092; Dr. p. 648; Gaz. vol. 134; p. 558.
- Pie-fin. E. O. Cook. No. 883,296; Mar. 31; Sp. p. 5604; Dr. p. 1194; Gaz. vol. 133; p. 1044.
- Pie trimmer and crimper. J. W. Butler. No. 907,456; Dec. 22; Sp. p. 4566; Gaz. vol. 137; p. 1836.
- Pies and the like, Machine for forming or molding and lidding. J. H. Jackson. No. 899,478; Sept. 15; Sp. p. 2499; Dr. p. 535; Gaz. vol. 136; p. 462.
- Pies, Machine for making rims of soft. J. F. Kohler. No. 903,584; Nov. 10; Sp. p. 2112; Gaz. vol. 137; p. 375.
- Pier, Floating. C. E. Grant. No. 876,170; Jan. 7; Sp. p. 942; Dr. p. 202; Gaz. vol. 132; p. 160.
- Pier or breakwater. J. A. Mitchell. No. 881,605; Mar. 10; Sp. p. 2212; Dr. p. 452; Gaz. vol. 133; p. 401.
- Piercing-tool. J. W. Schatt. No. 890,457; June 9; Sp. p. 2528; Dr. p. 560; Gaz. vol. 134; p. 1493.
- Pigeon-hole spacer. T. A. Chelson and H. J. Benedict. No. 901,069; Oct. 13; Sp. p. 2102; Dr. p. 427; Gaz. vol. 136; p. 1427.
- Pigeon-trap. T. W. Kay. No. 880,219; Feb. 25; Sp. p. 4314; Dr. pp. 1019-20; Gaz. vol. 132; p. 1716.
- Pigment. J. C. Heckman. No. 887,042; May 5; Sp. p. 1396; Gaz. vol. 134; p. 232.
- Pigment. J. C. Heckman. No. 887,043; May 5; Sp. p. 1397; Gaz. vol. 134; p. 232.
- Pigment compound and making the same. W. N. Blakeman, Jr. No. 883,516; Mar. 31; Sp. p. 6067; Gaz. vol. 133; p. 1115.
- Pigments by electrolysis, Producing. E. D. Chaplin. No. 906,102; Dec. 8; Sp. p. 1944; Gaz. vol. 137; p. 1332.
- Pile-cutting-machine stop-motion. C. G. Gildard. No. 907,334; Dec. 22; Sp. p. 4308; Gaz. vol. 137; p. 1793.
- Pile-driver. H. B. Strong. No. 902,120; Oct. 27; Sp. p. 4289; Dr. p. 869; Gaz. vol. 136; p. 1834.
- Pile-driving machine. R. F. Bennett. No. 884,631; Apr. 14; Sp. p. 1947; Dr. p. 418; Gaz. vol. 133; p. 1533.
- Pile fabric. W. Pearsall. No. 907,397; Dec. 22; Sp. p. 4424; Gaz. vol. 137; p. 1814.
- Pile fabric and weaving same. A. Heald. No. 892,517; July 7; Sp. p. 250; Dr. pp. 52-3; Gaz. vol. 135; p. 46.
- Pile-fabric-cutting machine, Welt-. W. G. M. Keighley and H. Netherwood. No. 876,462; Jan. 14; Sp. p. 1566; Dr. pp. 335-7; Gaz. vol. 132; p. 288.
- Pile, plush, or nap fabric. S. Blumenthal. No. 908,066; Dec. 29; Sp. p. 5851; Gaz. vol. 137; p. 2064.
- Pile-protector. W. Howe. No. 900,929; Oct. 13; Sp. p. 1837; Dr. p. 374; Gaz. vol. 136; p. 1381.
- Piles against worms, &c., Protecting. P. T. Apfel and R. L. Earnest. No. 883,507; Mar. 31; Sp. p. 6047; Gaz. vol. 133; p. 1114.
- Piles, Brace for sheet-metal. A. F. Stocker. No. 886,089; Apr. 28; Sp. p. 4985; Dr. p. 1048; Gaz. vol. 133; p. 2069.
- Piles, Means for sinking. F. B. Gilbreth. No. 882,520; Mar. 17; Sp. p. 4032; Dr. p. 859; Gaz. vol. 133; p. 727.
- Piles, Protecting-covering for. C. W. Kennon. No. 879,649; Feb. 18; Sp. p. 3626; Dr. p. 753; Gaz. vol. 132; p. 1495.
- Piling. M. R. Vanderkloot. No. 884,545; Apr. 14; Sp. p. 1779; Dr. p. 383; Gaz. vol. 133; p. 1506.
- Piling. J. J. Walther. No. 904,030; Nov. 17; Sp. p. 3032; Gaz. vol. 137; p. 552.
- Piling. L. E. Edmunds. No. 905,672; Dec. 1; Sp. p. 1105; Gaz. vol. 137; p. 1162.
- Piling and constructing the same. F. W. Skinner. No. 898,013; Sept. 8; Sp. p. 1596; Dr. p. 341; Gaz. vol. 136; p. 283.
- Piling, (driving-point,) Metallic sheet-. G. W. Jackson. No. 878,141; Feb. 4; Sp. p. 488; Dr. p. 105; Gaz. vol. 132; p. 929.

Alphabetical list of inventions—Continued.

- Piling, Interlocking sheet-. G. E. Nye. No. 877,588; Jan. 28; Sp. p. 3916; Dr. p. 847; Gaz. vol. 132; p. 723.
Piling, Interlocking sheet-. G. E. Nye. No. 879,792; Feb. 18; Sp. p. 3896; Dr. p. 817; Gaz. vol. 132; p. 1542.
Piling, Interlocking sheet-metal. S. T. Fiero. No. 884,270; Apr. 7; Sp. p. 1226; Dr. p. 258; Gaz. vol. 133; p. 1387.
Piling, Metal. J. J. Harold. No. 888,085; May 19; Sp. p. 3537; Dr. p. 739; Gaz. vol. 134; p. 633.
Piling, Metal. J. J. Harold. No. 901,241; Oct. 13; Sp. p. 2404; Dr. p. 493; Gaz. vol. 136; p. 1480.
Piling, Metal sheet-. M. W. Cluxton. No. 878,773; Feb. 11; Sp. p. 1865; Dr. p. 385; Gaz. vol. 132; p. 1173.
Piling, Metal sheet-. R. B. Woodworth. No. 888,135; May 19; Sp. p. 3629; Dr. p. 760; Gaz. vol. 134; p. 649.
Piling, Metal sheet-. G. W. Jackson. No. 888,899; May 26; Sp. p. 5212; Dr. p. 1105; Gaz. vol. 134; p. 933.
Piling, Sheet-. J. T. Pyle. No. 876,306; Jan. 7; Sp. p. 1227; Dr. pp. 267-8; Gaz. vol. 132; p. 205.
Piling, Sheet-metal. F. W. Skinner. No. 877,008; Jan. 21; Sp. p. 2726; Dr. p. 590; Gaz. vol. 132; p. 511.
Pillow, Pine-needle. R. F. Warham. No. 904,287; Nov. 17; Sp. p. 3603; Gaz. vol. 137; p. 642.
Pillow-sham holder. V. Marks. No. 898,126; Sept. 8; Sp. p. 1823; Dr. p. 387; Gaz. vol. 136; p. 318.
Pillow-sham holder. G. A. Francis. No. 900,507; Oct. 6; Sp. p. 945; Dr. p. 192; Gaz. vol. 136; p. 1216.
Pillow-sham holder. G. A. Francis. No. 900,508; Oct. 6; Sp. p. 947; Dr. p. 192; Gaz. vol. 136; p. 1216.
Pillows, feather-beds, quilts, and the like, Washable covering for. E. Hauphoff. No. 880,524; Mar. 3; Sp. p. 60; Dr. p. 14; Gaz. vol. 133; p. 14.
Pilot. H. W. Fellows and I. A. Cammett. No. 879,092; Feb. 11; Sp. p. 2467; Dr. pp. 514-15; Gaz. vol. 132; p. 1272.
Pin: See Belt-pin; Bonding-pin; Clothes-pin; Cotter-pin; Cuff-pin; Curtain-stretching pin; Expansion-pin; Fastening-pin; Feed-gage pin; Firing-pin; Gun hinge-pin; Hair-pin; Hat-pin; Insulator-pin; Lock-pin; Molding-flask pin; Piano-tuning pin; Puzzle rolling-pin; Safety-pin; Scarf-pin; Supporting-pin; Tent-pin; Towel-pin; Tuning-pin; Veil-pin.
Pin. F. B. Wheeler. No. 880,944; Mar. 3; Sp. p. 921; Dr. p. 199; Gaz. vol. 133; p. 156.
Pin. F. P. Anello. No. 883,375; Mar. 31; Sp. p. 5755; Dr. p. 1229; Gaz. vol. 133; p. 1068.
Pin. C. M. Fox. No. 885,334; Apr. 21; Sp. p. 3439; Dr. p. 717; Gaz. vol. 133; p. 1796.
Pin. F. J. Kristofek. No. 886,612; May 5; Sp. p. 533; Dr. p. 114; Gaz. vol. 134; p. 95.
Pin. A. E. Baker. No. 887,573; May 12; Sp. p. 2530; Dr. p. 533; Gaz. vol. 134; p. 436.
Pin. E. R. Crecelius. No. 896,199; Aug. 18; Sp. p. 2809; Dr. p. 605; Gaz. vol. 135; p. 1405.
Pin. G. W. Dover. No. 896,363; Aug. 18; Sp. p. 3151; Dr. p. 677; Gaz. vol. 135; p. 1458.
Pin. G. W. Dover. No. 896,810; Aug. 25; Sp. p. 4066; Dr. p. 875; Gaz. vol. 135; p. 1627.
Pin. J. Chein. No. 906,863; Dec. 15; Sp. p. 3386; Gaz. vol. 137; p. 1603.
Pin and clevis device. A. O. Buckius. No. 897,347; Sept. 1; Sp. p. 201; Dr. p. 43; Gaz. vol. 136; p. 30.
Pin and pin-joint. A. Kilstrom. No. 884,496; Apr. 14; Sp. p. 1677; Dr. p. 361; Gaz. vol. 133; p. 1489.
Pin and pin-joint. E. W. Morehouse. No. 898,670; Sept. 15; Sp. p. 2877; Dr. p. 615; Gaz. vol. 136; p. 524.
Pin and the like. F. H. Noble. No. 878,011; Feb. 4; Sp. p. 225; Dr. p. 49; Gaz. vol. 132; p. 887.
Pin and the like. C. H. Gifford. No. 893,237; July 14; Sp. p. 1716; Dr. p. 362; Gaz. vol. 135; p. 310.
Pin-board. E. L. Besse. No. 904,598; Nov. 24; Sp. p. 4235; Gaz. vol. 137; p. 772.
Pin-box and fastener. H. R. Kimbler. No. 899,411; Sept. 22; Sp. p. 4267; Dr. p. 915; Gaz. vol. 136; p. 791.
Pin-fastener. I. Redles. (now by marriage I. R. Shill.) No. 884,611; Apr. 14; Sp. p. 1910; Dr. p. 410; Gaz. vol. 133; p. 1527.
Pin-holder. E. W. Forney. No. 892,820; July 7; Sp. p. 844; Dr. p. 180; Gaz. vol. 135; p. 144.
Pin holder, Scarf. H. Hartmann. No. 904,065; Nov. 17; Sp. p. 3105; Gaz. vol. 137; p. 564.
Pin-joint. F. W. Goerdes. No. 891,686; June 23; Sp. p. 5099; Dr. p. 1100; Gaz. vol. 134; p. 1963.
Pin safety-lock. W. A. Olsen. No. 904,356; Nov. 17; Sp. p. 3739; Gaz. vol. 137; p. 665.
Pin tag or ticket. C. Winkler. No. 882,088; Mar. 17; Sp. p. 3224; Dr. p. 685; Gaz. vol. 133; p. 587.
Pin-tongue. E. R. Crecelius. No. 905,662; Dec. 1; Sp. p. 1092; Gaz. vol. 137; p. 1159.
Pins, nails, and the like, Apparatus for filling packing-drawers with. C. A. Leuenberger. No. 884,743; Apr. 14; Sp. p. 2213; Dr. p. 467; Gaz. vol. 133; p. 1572.
Pincushion. R. R. Ellis. No. 890,628; June 16; Sp. p. 2916; Dr. p. 638; Gaz. vol. 134; p. 1583.
Pincers, Stretching-. W. P. Ellis. No. 902,570; Nov. 3; Sp. p. 72; Gaz. vol. 137; p. 13.
Pipe: See Blowpipe; Cigarette-pipe; Concrete pipe; Concrete or cement pipe; Flexible pipe; Hot-air pipe; Magazine-pipe; Metal pipe; Metallic pipe; Mining-pipe; Smoke-pipe; Smoking-pipe; Stand-pipe; Tobacco-pipe; Trick-pipe.
Pipe. J. J. O'Toole. No. 878,014; Feb. 4; Sp. p. 240; Dr. p. 55; Gaz. vol. 132; p. 889.
Pipe. F. P. Nourse. No. 879,791; Feb. 18; Sp. p. 3895; Dr. p. 817; Gaz. vol. 132; p. 1542.
Pipe. A. K. Bowman. No. 881,845; Mar. 10; Sp. p. 2683; Dr. p. 574; Gaz. vol. 133; p. 477.
Pipe. W. J. Williams. No. 882,281; Mar. 17; Sp. p. 3595; Dr. p. 762; Gaz. vol. 133; p. 648.
Pipe. I. O. Russell. No. 895,499; Aug. 11; Sp. p. 1454; Dr. p. 305; Gaz. vol. 135; p. 1158.
Pipe. C. S. Hamlin. No. 901,534; Oct. 20; Sp. p. 3084; Dr. p. 630; Gaz. vol. 136; p. 1615.
Pipe. H. A. Gamble. No. 908,237; Dec. 29; Sp. p. 6237; Gaz. vol. 137; p. 2123.
Pipe and gas connection. H. E. Loebe. No. 877,849; Jan. 28; Sp. p. 4389; Dr. p. 955; Gaz. vol. 132; p. 805.
Pipe and post puller. S. F. Eubank. No. 892,236; June 30; Sp. p. 6181; Dr. p. 1331; Gaz. vol. 134; p. 2175.
Pipe and the like, Tool for cutting. J. F. Spitt. No. 898,697; Sept. 15; Sp. p. 2934; Dr. p. 628; Gaz. vol. 136; p. 534.
Pipe-bender. E. A. Brown. No. 885,139; Apr. 21; Sp. p. 3023; Dr. p. 637; Gaz. vol. 133; p. 1731.
Pipe-bender. J. M. Levier. No. 906,727; Dec. 15; Sp. p. 3113; Gaz. vol. 137; p. 1560.
Pipe-bender. J. R. Williams. No. 907,210; Dec. 22; Sp. p. 4065; Gaz. vol. 137; p. 1750.
Pipe-bending machine. L. H. Brinkman. No. 878,604; Feb. 11; Sp. p. 1535; Dr. p. 313; Gaz. vol. 132; p. 1117.
Pipe-bending machine. C. B. Morton. No. 888,727; May 26; Sp. p. 4815; Dr. p. 1027; Gaz. vol. 134; p. 874.
Pipe-bending machine. C. F. Kirby, Jr. No. 902,742; Nov. 3; Sp. p. 416; Gaz. vol. 137; p. 72.
Pipe bends, fittings, &c., Machine for finishing. H. W. Evans. No. 883,942; Apr. 7; Sp. p. 549; Dr. pp. 109-10; Gaz. vol. 133; p. 1280.
Pipe bracket or support. E. L. Howe. No. 884,661; Apr. 14; Sp. p. 2051; Dr. p. 438; Gaz. vol. 133; p. 1543.
Pipe cap, Sewer and other. G. O. Miller. No. 907,159; Dec. 22; Sp. p. 5943; Gaz. vol. 137; p. 1732.
Pipe-casting apparatus, Metal-. E. A. Custer. No. 876,946; Jan. 21; Sp. p. 2589; Dr. p. 564; Gaz. vol. 132; p. 489.
Pipe-casting mold, Metal-. E. A. Custer. No. 887,070; May 12; Sp. p. 1465; Dr. p. 311; Gaz. vol. 134; p. 269.
Pipe-clamp. O. S. Augensen. No. 895,143; Aug. 4; Sp. p. 728; Dr. p. 152; Gaz. vol. 135; p. 1016.
Pipe-clamp. J. V. Schmid. No. 908,335; Dec. 29; Sp. p. 6427; Gaz. vol. 137; p. 2156.
Pipe-cleaner. E. T. Gilbert. No. 877,324; Jan. 21; Sp. p. 3379; Dr. p. 732; Gaz. vol. 132; p. 616.
Pipe-cleaner. W. O'Sullivan. No. 880,749; Mar. 3; Sp. p. 529; Dr. p. 110; Gaz. vol. 133; p. 92.
Pipe-cleaner. J. H. Clearwater. No. 902,803; Nov. 3; Sp. p. 520; Gaz. vol. 137; p. 91.
Pipe cleaner, Beer-. O. R. Dickens. No. 885,452; Apr. 21; Sp. p. 3663; Dr. p. 768; Gaz. vol. 133; p. 1833.
Pipe cleaner, Smoking-. W. H. Boughton. No. 888,688; May 26; Sp. p. 4751; Dr. p. 1010; Gaz. vol. 134; p. 863.
Pipe cleaner, Waste-. W. T. Lisenby. No. 898,234; Sept. 8; Sp. p. 2042; Dr. p. 433; Gaz. vol. 136; p. 352.
Pipe-cleaning apparatus, Automatic. G. A. Setzer. No. 900,599; Oct. 6; Sp. p. 1123; Dr. p. 230; Gaz. vol. 136; p. 1246.
Pipe-cleanser. J. E. Simpson. No. 879,594; Feb. 18; Sp. p. 3515; Dr. p. 736; Gaz. vol. 132; p. 1478.
Pipe-closure. A. Andrews. No. 888,683; May 26; Sp. p. 4744; Dr. p. 1008; Gaz. vol. 134; p. 861.
Pipe coil, Concentric-. C. Sensenbrenner. No. 879,201; Feb. 18; Sp. p. 2691; Dr. p. 561; Gaz. vol. 132; p. 1349.
Pipe collar. A. T. Booth. No. 895,948; Aug. 11; Sp. p. 2344; Dr. p. 502; Gaz. vol. 135; p. 1303.
Pipe-core and making same. C. W. McWane. No. 906,912; Dec. 15; Sp. p. 3471; Gaz. vol. 137; p. 1619.
Pipe-coupling. H. S. Putney. No. 877,368; Jan. 21; Sp. p. 3454; Dr. p. 749; Gaz. vol. 132; p. 630.
Pipe-coupling. C. A. Huffmaster. No. 879,550; Feb. 18; Sp. p. 3414; Dr. p. 715; Gaz. vol. 132; p. 1464.
Pipe-coupling. D. Landau. No. 879,880; Feb. 25; Sp. p. 4112; Dr. p. 863; Gaz. vol. 132; p. 1603.
Pipe-coupling. R. F. Nailler. No. 881,022; Mar. 3; Sp. p. 1066; Dr. p. 231; Gaz. vol. 133; p. 181.
Pipe-coupling. S. R. Dresser. No. 884,371; Apr. 14; Sp. p. 1436; Dr. p. 306; Gaz. vol. 133; p. 1450.
Pipe-coupling. G. W. Mason. No. 884,749; Apr. 14; Sp. p. 2224; Dr. p. 470; Gaz. vol. 133; p. 1574.
Pipe-coupling. C. F. Dotts, B. Gallagher, and W. Rummel. No. 889,113; May 26; Sp. p. 5631; Dr. p. 1192; Gaz. vol. 134; p. 1000.
Pipe-coupling. E. A. Cleland. No. 893,785; July 21; Sp. p. 2936; Dr. p. 601; Gaz. vol. 135; p. 521.
Pipe-coupling. K. W. Carlgren. No. 895,617; Aug. 11; Sp. p. 1683; Dr. p. 355; Gaz. vol. 135; p. 1196.
Pipe-coupling. G. P. Youmans. No. 903,260; Nov. 10; Sp. p. 1457; Gaz. vol. 137; p. 268.
Pipe-coupling. H. D. C. Harrison. No. 906,225; Dec. 8; Sp. p. 2190; Gaz. vol. 137; p. 1374.
Pipe-coupling and valve. F. R. Kirchhoff. No. 877,720; Jan. 28; Sp. p. 4157; Dr. p. 900; Gaz. vol. 132; p. 764.
Pipe-coupling apparatus. D. M. Kenyon. No. 889,315; June 2; Sp. p. 241; Dr. p. 59; Gaz. vol. 134; p. 1097.
Pipe-coupling attachment for boiler-heads, &c., Hand-hole. A. C. Badger. No. 881,045; Mar. 3; Sp. p. 1104; Dr. p. 238; Gaz. vol. 133; p. 189.
Pipe coupling, Automatic air-. F. Hunter. No. 896,546; Aug. 18; Sp. p. 3528; Dr. p. 758; Gaz. vol. 135; p. 1519.
Pipe coupling, Automatic train-. C. H. Stamm. No. 881,632; Mar. 10; Sp. p. 2278; Dr. p. 494; Gaz. vol. 133; p. 410.
Pipe coupling, Automatic train-. N. E. Marvin. No. 887,489; May 12; Sp. p. 2378; Dr. pp. 499-500; Gaz. vol. 134; p. 408.
Pipe coupling, Automatic train-. N. F. Linderlander. No. 888,189; May 19; Sp. p. 3726; Dr. pp. 780-1; Gaz. vol. 134; p. 666.

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- Pipe coupling, Automatic train-. R. E. Adreon. No. 890,831; June 16; Sp. p. 3335; Dr. p. 730; Gaz. vol. 134; p. 1651.
- Pipe-coupling clamping-ring. F. N. Smith. No. 880,831; Mar. 3; Sp. p. 708; Dr. p. 149; Gaz. vol. 133; p. 120.
- Pipe-coupling, Enameled-. R. F. Nailler. No. 880,813; Mar. 3; Sp. p. 655; Dr. p. 138; Gaz. vol. 133; p. 113.
- Pipe-coupling, Flexible. J. Henderson. No. 904,534; Nov. 24; Sp. p. 4116; Gaz. vol. 137; p. 750.
- Pipe-coupling member. Train-. B. R. Kozlowski. No. 908,014; Dec. 29; Sp. p. 5756; Gaz. vol. 137; p. 2047.
- Pipe coupling, Train-. W. Z. Pulliam. No. 882,017; Mar. 17; Sp. p. 3084; Dr. p. 656; Gaz. vol. 133; p. 563.
- Pipe coupling, Train-. E. B. Witte. No. 888,289; May 19; Sp. p. 3917; Dr. pp. 824-5; Gaz. vol. 134; p. 700.
- Pipe coupling, Train-. W. G. Felkner. No. 895,735; Aug. 11; Sp. p. 1925; Dr. p. 408; Gaz. vol. 135; p. 1235.
- Pipe coupling, Train-. A. S. Parsons. No. 896,854; Aug. 25; Sp. p. 4164; Dr. p. 891; Gaz. vol. 135; p. 1642.
- Pipe coupling, Train-. A. N. Davis. No. 898,561; Sept. 15; Sp. p. 2669; Dr. p. 571; Gaz. vol. 136; p. 489.
- Pipe coupling, Train-. W. A. Orr and H. D. Johnson. No. 905,916; Dec. 8; Sp. p. 1591; Gaz. vol. 137; p. 1274.
- Pipe coupling, Train-. J. A. Halbrook and M. J. Willms. No. 906,527; Dec. 15; Sp. p. 2743; Gaz. vol. 137; p. 1497.
- Pipe coupling, Train-. B. R. Kozlowski. No. 908,013; Dec. 29; Sp. p. 5754; Gaz. vol. 137; p. 2047.
- Pipe coupling, Train-. W. H. Cloak. No. 908,074; Dec. 29; Sp. p. 5863; Gaz. vol. 137; p. 2066.
- Pipe-couplings, Middle ring for. F. N. Smith. No. 887,859; May 19; Sp. p. 3104; Dr. p. 650; Gaz. vol. 134; p. 560.
- Pipe-couplings, Middle ring for. J. Clark. No. 898,723; Sept. 15; Sp. p. 2974; Dr. p. 637; Gaz. vol. 136; p. 541.
- Pipe-covering. M. Sullivan. No. 876,606; Jan. 14; Sp. p. 1899; Dr. p. 414; Gaz. vol. 132; p. 339.
- Pipe-cutter. R. L. Thomas. No. 882,432; Mar. 17; Sp. p. 3851; Dr. p. 823; Gaz. vol. 133; p. 697.
- Pipe-cutter. A. Strong. No. 884,536; Apr. 14; Sp. p. 1756; Dr. p. 377; Gaz. vol. 133; p. 1502.
- Pipe cutter, threader, and wrench. Hand. P. Blum. No. 890,327; June 9; Sp. p. 2305; Dr. p. 509; Gaz. vol. 134; p. 1453.
- Pipe-cutter, Trench-. J. E. Moore. No. 888,724; May 26; Sp. p. 4812; Dr. pp. 1025-6; Gaz. vol. 134; p. 873.
- Pipe cutting and crimping machine. T. A. Janssen and H. W. Moats. No. 882,502; Mar. 17; Sp. p. 3975; Dr. p. 849; Gaz. vol. 133; p. 720.
- Pipe-cutting machine. H. H. Fisher. No. 891,156; June 16; Sp. p. 3957; Dr. p. 868; Gaz. vol. 134; p. 1754.
- Pipe-drawing machine, Lapweld. L. W. Noyes. No. 875,728; Jan. 7; Sp. p. 98; Dr. pp. 20-1; Gaz. vol. 132; p. 21.
- Pipe-dredge. T. J. Lovett. No. 908,113; Dec. 29; Sp. p. 5942; Gaz. vol. 137; p. 2079.
- Pipe-elbows, Making corrugated sheet-metal. F. Brune. No. 889,173; May 26; Sp. p. 5757; Dr. p. 1218; Gaz. vol. 134; p. 1020.
- Pipe-expanding apparatus. C. Fell. No. 882,305; Mar. 17; Sp. p. 3636; Dr. p. 771; Gaz. vol. 133; p. 655.
- Pipe-ferrule. C. E. and G. H. Heineman. No. 880,302; Feb. 25; Sp. p. 4980; Dr. p. 1050; Gaz. vol. 132; p. 1744.
- Pipe-fishing tool. R. G. Sanford. No. 880,404; Feb. 25; Sp. p. 5180; Dr. p. 1092; Gaz. vol. 132; p. 1777.
- Pipe-fitting. R. Kimche. No. 899,221; Sept. 22; Sp. p. 3908; Dr. p. 835; Gaz. vol. 136; p. 731.
- Pipe-fitting. R. J. Farrell. No. 903,280; Nov. 10; Sp. p. 1493; Gaz. vol. 137; p. 275.
- Pipe fitting, Water-seal vacuum return-. W. E. Tillinghast. No. 885,805; Apr. 28; Sp. p. 4404; Dr. p. 923; Gaz. vol. 133; p. 1974.
- Pipe-grab. W. S. Seaman. No. 881,496; Mar. 10; Sp. p. 2003; Dr. p. 437; Gaz. vol. 133; p. 364.
- Pipe-gripper. W. F. Barron. No. 886,171; Apr. 28; Sp. p. 5141; Dr. p. 1081; Gaz. vol. 133; p. 2094.
- Pipe-hanger. J. C. Kortick and G. H. Eberhard. No. 906,806; Dec. 15; Sp. p. 3263; Gaz. vol. 137; p. 1585.
- Pipe hanger, Train-. J. F. Drake. No. 888,791; May 26; Sp. p. 4969; Dr. p. 1061; Gaz. vol. 134; p. 896.
- Pipe holder, Smoke-. G. C. Ehlers. No. 901,328; Oct. 20; Sp. p. 2604; Dr. p. 535; Gaz. vol. 136; p. 1544.
- Pipe in trenches, Machine for laying. T. De Young, Jr. No. 895,439; Aug. 11; Sp. p. 1328; Dr. p. 279; Gaz. vol. 135; p. 1138.
- Pipe-joint. J. A. Brodin. No. 894,183; July 28; Sp. p. 3777; Dr. p. 782; Gaz. vol. 135; p. 672.
- Pipe-joint. N. Baashuus. No. 906,849; Dec. 15; Sp. p. 3343; Gaz. vol. 137; p. 1598.
- Pipe-joint, Flexible. G. Rieixinger. No. 879,588; Feb. 18; Sp. p. 3503; Dr. p. 734; Gaz. vol. 132; p. 1476.
- Pipe-joint, Flexible. W. A. Greenlaw. No. 897,460; Sept. 1; Sp. p. 453; Dr. p. 97; Gaz. vol. 136; p. 71.
- Pipe-joint, Flexible. W. A. Greenlaw and H. A. Royce. No. 897,461; Sept. 1; Sp. p. 454; Dr. p. 97; Gaz. vol. 136; p. 72.
- Pipe-joint packing. W. S. Farrington and A. H. Van Denburg. No. 907,136; Dec. 22; Sp. p. 3906; Gaz. vol. 137; p. 1725.
- Pipe-laying means, Dredging-. P. S. Smith. No. 894,168; July 21; Sp. p. 3727; Dr. p. 771; Gaz. vol. 135; p. 647.
- Pipe-lifter. E. J. Anderson and S. Hanson. No. 877,282; Jan. 21; Sp. p. 3292; Dr. p. 712; Gaz. vol. 132; p. 603.
- Pipe-lifter. M. E. Layne. No. 889,139; May 26; Sp. p. 5675; Dr. p. 1201; Gaz. vol. 134; p. 1008.
- Pipe lifting and gripping appliance. G. J. Hawk. No. 894,138; July 21; Sp. p. 3665; Dr. p. 757; Gaz. vol. 135; p. 637.
- Pipe-line cleaner. E. R. Reeser. No. 906,560; Dec. 15; Sp. p. 2799; Gaz. vol. 137; p. 1507.
- Pipe-line, Helically-corrugated. J. D. Isaacs. No. 898,741; Sept. 15; Sp. p. 3010; Dr. p. 645; Gaz. vol. 136; p. 547.
- Pipe-lines, Cleaning. G. F. Whitney. No. 906,595; Dec. 15; Sp. p. 2859; Gaz. vol. 137; p. 1518.
- Pipe-lining. J. A. Snoddy. No. 879,688; Feb. 18; Sp. p. 3704; Dr. p. 776; Gaz. vol. 132; p. 1508.
- Pipe-machine. G. A. Wettengel. No. 901,404; Oct. 20; Sp. p. 2794; Dr. pp. 569-70; Gaz. vol. 136; p. 1572.
- Pipe-molding machine. W. A. Murray and E. M. M. Babbitt. No. 888,921; May 26; Sp. p. 5250; Dr. p. 1114; Gaz. vol. 134; p. 340.
- Pipe nipple-holder. J. Yule. No. 886,571; May 5; Sp. p. 449; Dr. p. 96; Gaz. vol. 134; p. 82.
- Pipe or hose coupling. J. H. Phillips, Jr. No. 888,846; May 26; Sp. p. 5084; Dr. p. 1085; Gaz. vol. 134; p. 912.
- Pipe or tube cleaner. E. A. Jablonsky. No. 886,217; Apr. 28; Sp. p. 5221; Dr. p. 1100; Gaz. vol. 133; p. 2109.
- Pipe protector for buildings, Leader-. F. W. Sander. No. 877,456; Jan. 21; Sp. p. 3619; Dr. p. 784; Gaz. vol. 132; p. 658.
- Pipe radiator, Smoke-. G. R. Brown. No. 908,200; Dec. 29; Sp. p. 6159; Gaz. vol. 137; p. 2110.
- Pipe-rieveting machine, Hydraulic. C. Wigtel. No. 903,526; Nov. 10; Sp. p. 1981; Gaz. vol. 137; p. 356.
- Pipe, rod, and wire-cable clamp or coupling. J. J. Bouchard and I. A. Bravin. No. 896,053; Aug. 11; Sp. p. 2546; Dr. p. 553; Gaz. vol. 135; p. 1337.
- Pipe-stem, Sanitary. J. J. Gottschalk and B. W. Phelps. No. 904,323; Nov. 17; Sp. p. 3682; Gaz. vol. 137; p. 655.
- Pipe support and clamp, Combined. C. P. White. No. 892,105; June 30; Sp. p. 5920; Dr. p. 1276; Gaz. vol. 134; p. 2130.
- Pipe-testing apparatus. J. A. Hock. No. 906,495; Dec. 8; Sp. p. 2674; Gaz. vol. 137; p. 1461.
- Pipe-threading die. J. F. Cradginton. No. 885,144; Apr. 21; Sp. p. 3035; Dr. p. 639; Gaz. vol. 133; p. 1732.
- Pipe-threading machine. H. L. E. Peterson. No. 885,175; Apr. 21; Sp. p. 3106; Dr. p. 654; Gaz. vol. 133; p. 1742.
- Pipe-threading machine. A. L. Robbins. No. 887,741; May 12; Sp. p. 2841; Dr. pp. 600-1; Gaz. vol. 134; p. 492.
- Pipe-topping machine. C. O. Strutz. No. 878,685; Feb. 11; Sp. p. 1687; Dr. p. 349; Gaz. vol. 132; p. 1144.
- Pipe trap, Waste-. O. Waibel. No. 904,286; Nov. 17; Sp. p. 3602; Gaz. vol. 137; p. 642.
- Pipe trap, Waste-water-. W. J. Frost. No. 893,791; July 21; Sp. p. 2948; Dr. p. 602; Gaz. vol. 135; p. 523.
- Pipe-union. A. G. Anderson. No. 883,075; Mar. 24; Sp. p. 5125; Dr. p. 1094; Gaz. vol. 133; p. 940.
- Pipe-union. E. Lienert-Market. No. 883,320; Mar. 31; Sp. p. 5643; Dr. p. 1204; Gaz. vol. 133; p. 1051.
- Pipe-union, Flexible. D. G. Jones. No. 885,256; Apr. 21; Sp. p. 3274; Dr. p. 683; Gaz. vol. 133; p. 1770.
- Pipe-wrench. E. F. Lubke and E. C. Reed. No. 876,651; Jan. 14; Sp. p. 2002; Dr. p. 436; Gaz. vol. 132; p. 355.
- Pipe-wrench. J. Hughes. No. 876,716; Jan. 14; Sp. p. 2116; Dr. p. 464; Gaz. vol. 132; p. 375.
- Pipe-wrench. G. Paterson. No. 877,225; Jan. 21; Sp. p. 3186; Dr. p. 691; Gaz. vol. 132; p. 585.
- Pipe-wrench. A. B. Heimann. No. 878,388; Feb. 4; Sp. p. 996; Dr. p. 201; Gaz. vol. 132; p. 1012.
- Pipe-wrench. B. Whittaker. No. 880,612; Mar. 3; Sp. p. 249; Dr. p. 52; Gaz. vol. 133; p. 44.
- Pipe-wrench. H. W. Simms. No. 882,272; Mar. 17; Sp. p. 3579; Dr. p. 759; Gaz. vol. 133; p. 645.
- Pipe-wrench. F. T. Lestage. No. 883,817; Apr. 7; Sp. p. 286; Dr. p. 53; Gaz. vol. 133; p. 1238.
- Pipe-wrench. G. C. Winslow. No. 885,120; Apr. 21; Sp. p. 2984; Dr. p. 630; Gaz. vol. 133; p. 1724.
- Pipe-wrench. J. M. Cochran. No. 885,322; Apr. 21; Sp. p. 3414; Dr. p. 713; Gaz. vol. 133; p. 1793.
- Pipe-wrench. J. Horst. No. 885,926; Apr. 28; Sp. p. 4656; Dr. p. 981; Gaz. vol. 133; p. 2015.
- Pipe-wrench. G. Cooper. No. 893,903; July 21; Sp. p. 3184; Dr. p. 654; Gaz. vol. 135; p. 559.
- Pipe-wrench. O. F. Gidden. No. 894,627; July 28; Sp. p. 4693; Dr. p. 974; Gaz. vol. 135; p. 818.
- Pipe-wrench. J. W. Lind. No. 896,696; Aug. 18; Sp. p. 3805; Dr. p. 823; Gaz. vol. 135; p. 1565.
- Pipe-wrench. F. Ioset. No. 896,730; Aug. 25; Sp. p. 3875; Dr. p. 838; Gaz. vol. 135; p. 1598.
- Pipe-wrench. H. E. McDonald. No. 900,191; Oct. 6; Sp. p. 255; Dr. p. 51; Gaz. vol. 136; p. 1113.
- Pipe-wrench. C. E. Adams. No. 902,041; Oct. 27; Sp. p. 4139; Dr. p. 838; Gaz. vol. 136; p. 1810.
- Pipe-wrench. G. E. Woodbury. No. 904,108; Nov. 17; Sp. p. 3187; Gaz. vol. 137; p. 579.
- Pipe-wrench. C. D. Peters. No. 906,277; Dec. 8; Sp. p. 2275; Gaz. vol. 137; p. 1391.
- Pipe-wrench, Chain. G. Amborn. No. 876,925; Jan. 21; Sp. p. 2532; Dr. p. 553; Gaz. vol. 132; p. 481.
- Pipe-wrench, Chain. G. Amborn. No. 876,926; Jan. 21; Sp. p. 2534; Dr. p. 554; Gaz. vol. 132; p. 482.
- Pipe-wrench, Chain. G. Amborn. No. 876,927; Jan. 21; Sp. p. 2536; Dr. p. 554; Gaz. vol. 132; p. 482.
- Pipe-wrench, Chain. G. Amborn. No. 881,216; Mar. 10; Sp. p. 1442; Dr. p. 311; Gaz. vol. 133; p. 273.
- Pipe-wrench, Chain. G. Amborn. No. 892,111; June 30; Sp. p. 5930; Dr. p. 1278; Gaz. vol. 134; p. 2132.
- Pipe-wrench, Chain. G. Amborn. No. 892,112; June 30; Sp. p. 5932; Dr. p. 1278; Gaz. vol. 134; p. 2133.
- Pipe-wrench, Chain. G. Amborn. No. 892,113; June 30; Sp. p. 5934; Dr. p. 1278; Gaz. vol. 134; p. 2133.
- Pipe-wrench, Chain. G. Amborn. No. 904,397; Nov. 17; Sp. p. 3801; Gaz. vol. 137; p. 678.
- Pipe-wrench, Strap. W. C. Martin and L. H. Ogden. No. 876,469; Jan. 14; Sp. p. 1580; Dr. p. 339; Gaz. vol. 132; p. 290.
- Pipes, Adjustable trap for soil-. E. T. Barker. No. 883,275; Mar. 31; Sp. p. 5555; Dr. p. 1185; Gaz. vol. 133; p. 1037.

Alphabetical list of inventions—Continued.

- Pipes, &c., Apparatus for cutting threads on. E. L. Lidke. No. 903,209; Nov. 10; Sp. p. 1353; Gaz. vol. 137; p. 252.
- Pipes, Casting. E. A. Custer. No. 906,204; Dec. 8; Sp. p. 2137; Gaz. vol. 137; p. 1366.
- Pipes, Flexible joint for dredger-. M. R. Peacock. No. 875,844; Jan. 7; Sp. p. 311; Dr. p. 68; Gaz. vol. 132; p. 57.
- Pipes, Heating and bending. W. L. Brown. No. 886,036; Apr. 28; Sp. p. 4900; Dr. p. 1030; Gaz. vol. 133; p. 2052.
- Pipes or the like, Inlet box or gully for drain-. F. Niemeier. No. 894,339; July 28; Sp. p. 4109; Dr. p. 848; Gaz. vol. 135; p. 724.
- Pipes or tubes, Apparatus for rifling. C. Fell. No. 888,984; May 26; Sp. p. 5370; Dr. pp. 1139-40; Gaz. vol. 134; p. 958.
- Pipes or tubes, Apparatus for scouring or cleaning the interiors of. H. W. Bötze. No. 899,236; Sept. 22; Sp. p. 3948; Dr. p. 841; Gaz. vol. 136; p. 737.
- Pipes, Wall-support for. H. J. Robinson. No. 887,272; May 12; Sp. p. 1888; Dr. p. 399; Gaz. vol. 134; p. 334.
- Piping. G. W. Christoph. No. 906,106; Dec. 8; Sp. p. 1959; Gaz. vol. 137; p. 1334.
- Piping-joint, Flexible. C. Schmidt. No. 896,163; Aug. 18; Sp. p. 2743; Dr. p. 590; Gaz. vol. 135; p. 1393.
- Pistol. K. Hino and T. Konuro. No. 886,211; Apr. 28; Sp. p. 5210; Dr. pp. 1097-8; Gaz. vol. 133; p. 2108.
- Pistol, Automatic. C. P. Clément. No. 885,436; Apr. 21; Sp. p. 3632; Dr. pp. 761-2; Gaz. vol. 133; p. 1828.
- Pistol, Detonating-. W. Simpson. No. 879,919; Feb. 25; Sp. p. 4218; Dr. p. 880; Gaz. vol. 132; p. 1619.
- Pistol, Electric. E. O. Pfeil. No. 876,088; Jan. 7; Sp. p. 791; Dr. p. 169; Gaz. vol. 132; p. 134.
- Pistol-holster. E. G. Gaskill. No. 896,004; Aug. 11; Sp. p. 2460; Dr. p. 532; Gaz. vol. 135; p. 1321.
- Pistol, Repeating. H. A. Bierley and W. F. Probst. No. 894,578; July 28; Sp. p. 4590; Dr. p. 952; Gaz. vol. 135; p. 803.
- Pistol, Repeating. A. A. Cowing. No. 907,315; Dec. 22; Sp. p. 4274; Gaz. vol. 137; p. 1787.
- Pistol, Toy. C. R. Cochran. No. 907,461; Dec. 22; Sp. p. 4571; Gaz. vol. 137; p. 1837.
- Pistols, Safety device for. U. Stone. No. 879,018; Feb. 11; Sp. p. 2316; Dr. p. 484; Gaz. vol. 132; p. 1249.
- Piston. F. A. Wille. No. 876,853; Jan. 14; Sp. p. 2358; Dr. p. 516; Gaz. vol. 132; p. 417.
- Piston. H. A. Knox. No. 876,974; Jan. 21; Sp. p. 2644; Dr. p. 574; Gaz. vol. 132; p. 499.
- Piston. K. Matheus and E. T. Hendee. No. 882,572; Mar. 24; Sp. p. 4135; Dr. p. 877; Gaz. vol. 133; p. 775.
- Piston. J. E. Thompson. No. 888,273; May 19; Sp. p. 3882; Dr. p. 817; Gaz. vol. 134; p. 695.
- Piston. J. Warrant. No. 889,279; June 2; Sp. p. 169; Dr. p. 42; Gaz. vol. 134; p. 1085.
- Piston. W. Snyder and R. L. Miner. No. 889,732; June 2; Sp. p. 1063; Dr. p. 245; Gaz. vol. 134; p. 1230.
- Piston. E. Cohen. No. 895,966; Aug. 11; Sp. p. 2386; Dr. p. 510; Gaz. vol. 135; p. 1308.
- Piston. G. H. Stallman. No. 896,947; Aug. 25; Sp. p. 4368; Dr. p. 936; Gaz. vol. 135; p. 1673.
- Piston. K. Matheus. No. 902,310; Oct. 27; Sp. p. 4691; Dr. p. 950; Gaz. vol. 136; p. 1897.
- Piston. G. H. Reynolds. No. 903,886; Nov. 17; Sp. p. 2736; Gaz. vol. 137; p. 505.
- Piston closure, Trunk-. W. T. Harder. No. 876,636; Jan. 14; Sp. p. 1974; Dr. p. 429; Gaz. vol. 132; p. 349.
- Piston connection, Flexible. H. Hess. No. 891,993; June 30; Sp. p. 5725; Dr. p. 1231; Gaz. vol. 134; p. 2096.
- Piston for cylinders of steam-engines. E. M. Cook. No. 880,361; Feb. 25; Sp. p. 5076; Dr. p. 1072; Gaz. vol. 132; p. 1762.
- Piston-heads, Ring-expander for. J. C. Morse. No. 892,287; June 30; Sp. p. 6282; Dr. pp. 1352-3; Gaz. vol. 134; p. 2192.
- Piston-ring. H. Ford. No. 879,757; Feb. 18; Sp. p. 3832; Dr. p. 803; Gaz. vol. 132; p. 1531.
- Piston-ring lock. M. H. Sullivan. No. 890,103; June 9; Sp. p. 1813; Dr. p. 401; Gaz. vol. 134; p. 1380.
- Piston-rings, Arrangement for tightening. K. Willner. No. 891,317; June 23; Sp. p. 4321; Dr. p. 943; Gaz. vol. 134; p. 1840.
- Piston-rod lubricator. E. Blake. No. 897,448; Sept. 1; Sp. p. 428; Dr. p. 91; Gaz. vol. 136; p. 67.
- Piston-rod swab. J. W. Evans. No. 889,669; June 2; Sp. p. 948; Dr. p. 218; Gaz. vol. 134; p. 1211.
- Pistons, Cushioning device for. O. S. Pike. No. 886,402; May 5; Sp. p. 122; Dr. p. 23; Gaz. vol. 134; p. 26.
- Pistons, Means for controlling the stroke of fluid-operated. J. W. Smith. No. 893,393; July 14; Sp. p. 2006; Dr. p. 420; Gaz. vol. 135; p. 361.
- Pitcher or holder, Molasses. V. B. Nuckols. No. 897,007; Aug. 25; Sp. p. 4510; Dr. p. 964; Gaz. vol. 135; p. 1692.
- Pitchfork. A. H. Knox. No. 883,545; Mar. 31; Sp. p. 6133; Dr. p. 1308; Gaz. vol. 133; p. 1123.
- Pitchfork. J. C. Frees. No. 894,491; July 28; Sp. p. 4421; Dr. p. 914; Gaz. vol. 135; p. 774.
- Pitman. G. A. Cram. No. 889,763; June 2; Sp. p. 1121; Dr. p. 260; Gaz. vol. 134; p. 1239.
- Placket-closer. J. L. Brassington. No. 883,692; Apr. 7; Sp. p. 16; Dr. p. 4; Gaz. vol. 133; p. 1198.
- Placket-closer. J. L. Brassington. No. 900,662; Oct. 6; Sp. p. 1268; Dr. p. 259; Gaz. vol. 136; p. 1267.
- Placket-closer. R. S. Valentine. No. 904,027; Nov. 17; Sp. p. 3024; Gaz. vol. 137; p. 551.
- Placket-closure for skirts. F. Hofmeister. No. 885,344; Apr. 21; Sp. p. 3463; Dr. p. 722; Gaz. vol. 133; p. 1799.
- Placket-fastener. W. F. Bowen. No. 896,685; Aug. 18; Sp. p. 3784; Dr. p. 817; Gaz. vol. 135; p. 1561.
- Plaiting and braiding machines, Switch for. B. Lepperhoff. No. 886,825; May 5; Sp. p. 997; Dr. p. 210; Gaz. vol. 134; p. 163.
- Plaiting-machine. F. E. Warr. No. 876,611; Jan. 14; Sp. p. 1907; Dr. p. 416; Gaz. vol. 132; p. 340.
- Plane. A. Nylund. No. 879,793; Feb. 18; Sp. p. 3898; Dr. p. 817; Gaz. vol. 132; p. 1543.
- Plane. J. L. Pringle. No. 890,575; June 9; Sp. p. 2762; Dr. p. 610; Gaz. vol. 134; p. 1533.
- Plane. A. Link. No. 902,977; Nov. 3; Sp. p. 887; Gaz. vol. 137; p. 148.
- Plane, Adjustable. O. J. Sund. No. 895,796; Aug. 11; Sp. p. 2051; Dr. p. 436; Gaz. vol. 135; p. 1254.
- Plane, Floor-. H. Puder. No. 896,152; Aug. 18; Sp. p. 2710; Dr. p. 587; Gaz. vol. 135; p. 1389.
- Plane, Joining-. W. R. Lansberry. No. 890,519; June 9; Sp. p. 2654; Dr. p. 586; Gaz. vol. 134; p. 1514.
- Plane, Mortising-. M. A. Clark. No. 898,556; Sept. 15; Sp. p. 2658; Dr. p. 568; Gaz. vol. 136; p. 488.
- Planer. A. Gworek. No. 885,611; Apr. 21; Sp. p. 3979; Dr. p. 831; Gaz. vol. 133; p. 1881.
- Planer and scraper, Floor. G. J. Keppinger. No. 903,868; Nov. 17; Sp. p. 2701; Gaz. vol. 137; p. 498.
- Planer, Crank-. H. Lutter and E. A. Gies. No. 890,780; June 16; Sp. p. 3239; Dr. p. 708; Gaz. vol. 134; p. 1634.
- Planer, Crank-. H. E. and E. G. Eberhardt. No. 891,919; June 30; Sp. p. 5573; Dr. p. 1201; Gaz. vol. 134; p. 2072.
- Planer-dog. A. W. Whitcomb. No. 890,544; June 9; Sp. p. 2701; Dr. p. 596; Gaz. vol. 134; p. 1522.
- Planer driving mechanism. B. D. Stevens. No. 888,765; May 26; Sp. p. 4896; Dr. p. 1043; Gaz. vol. 134; p. 887.
- Planer-heads, Adjusting means for. H. B. Ross. No. 885,379; Apr. 21; Sp. p. 3539; Dr. pp. 740-1; Gaz. vol. 133; p. 1811.
- Planers, Cutter-guard for buzz-. C. O. and A. D. Porter. No. 882,122; Mar. 17; Sp. p. 3275; Dr. p. 698; Gaz. vol. 133; p. 596.
- Planing and other machines, Sectional feed-rod for. L. B. Whipple. No. 899,276; Sept. 22; Sp. p. 4040; Dr. p. 863; Gaz. vol. 136; p. 749.
- Planing-machine. J. R. Thomas. No. 878,099; Feb. 4; Sp. p. 414; Dr. pp. 87-8; Gaz. vol. 132; p. 915.
- Planing-machine. J. R. Thomas. No. 887,021; May 5; Sp. p. 1351; Dr. p. 287; Gaz. vol. 134; p. 225.
- Planing-machine attachment, Stone-. J. R. Donaldson. No. 906,782; Dec. 15; Sp. p. 3221; Gaz. vol. 137; p. 1578.
- Planing machine, Cask-. L. Drexler. No. 884,138; Apr. 7; Sp. p. 994; Dr. pp. 207-8; Gaz. vol. 133; p. 1345.
- Planing-machine cutter-head. E. Carstens. No. 877,407; Jan. 21; Sp. p. 3529; Dr. p. 765; Gaz. vol. 132; p. 642.
- Planing-machine, Hand. J. R. Thomas. No. 878,911; Feb. 11; Sp. p. 2124; Dr. pp. 443-4; Gaz. vol. 132; p. 1216.
- Planing machine, Metal-. E. P. Carpenter. No. 879,734; Feb. 18; Sp. p. 3793; Dr. p. 796; Gaz. vol. 132; p. 1523.
- Planing-machine side-head jointer. C. W. H. Blood and C. G. Oesteman. No. 905,051; Nov. 24; Sp. p. 5177; Gaz. vol. 137; p. 924.
- Planing-machine tables, Shield for the post-holes in. W. N. Bauer. No. 900,976; Oct. 13; Sp. p. 1929; Dr. p. 393; Gaz. vol. 136; p. 1311.
- Planing-machines, boring-mills and the like, Clamping mechanism for. G. H. Benzon, Jr. No. 904,922; Nov. 24; Sp. p. 4928; Gaz. vol. 137; p. 880.
- Planing shoes and wedges, Mechanism for. M. Morton. No. 901,724; Oct. 20; Sp. p. 3499; Dr. p. 708; Gaz. vol. 136; p. 1678.
- Planing tool, Floor-. W. W. Scott. No. 898,793; Sept. 15; Sp. p. 3106; Dr. p. 665; Gaz. vol. 136; p. 564.
- Planetarium. F. J. Trippensee. No. 881,875; Mar. 10; Sp. p. 2763; Dr. pp. 592-3; Gaz. vol. 133; p. 498.
- Planetarium. N. W. Hurst. No. 892,835; July 7; Sp. p. 881; Dr. p. 189; Gaz. vol. 135; p. 149.
- Plant-box, Knockdown. N. Night. No. 879,769; Feb. 18; Sp. p. 3855; Dr. p. 807; Gaz. vol. 132; p. 1534.
- Plant-cutter. S. F. Stoltzfus. No. 883,361; Mar. 31; Sp. p. 5723; Dr. p. 1220; Gaz. vol. 133; p. 1064.
- Plant-marker. L. Willis. No. 901,137; Oct. 13; Sp. p. 2225; Dr. p. 453; Gaz. vol. 136; p. 1447.
- Plant-protector. E. C. Dawson. No. 884,473; Apr. 14; Sp. p. 1626; Dr. p. 350; Gaz. vol. 133; p. 1482.
- Plant-protector. M. J. Caruthers. No. 893,441; July 14; Sp. p. 2126; Dr. p. 446; Gaz. vol. 135; p. 377.
- Plant-protector. J. A. Byrne. No. 893,704; July 21; Sp. p. 2682; Dr. p. 563; Gaz. vol. 135; p. 493.
- Plant-protector. E. R. Drake. No. 898,341; Sept. 8; Sp. p. 2219; Dr. p. 471; Gaz. vol. 136; p. 385.
- Plant-protector. F. C. Elliot. No. 905,674; Dec. 1; Sp. p. 1109; Gaz. vol. 137; p. 1163.
- Plant-receptacle, Electrical. H. S. Latshaw. No. 882,699; Mar. 24; Sp. p. 4382; Dr. p. 933; Gaz. vol. 133; p. 818.
- Plant-shield. J. Martin. No. 897,760; Sept. 1; Sp. p. 1043; Dr. p. 224; Gaz. vol. 136; p. 169.
- Plant-spacer. F. E. Newlon. No. 893,190; July 14; Sp. p. 1628; Dr. p. 343; Gaz. vol. 135; p. 295.
- Plant-stake. E. Austin. No. 896,701; Aug. 25; Sp. p. 3519; Dr. p. 826; Gaz. vol. 138; p. 1589.
- Plant-support. G. K. Kline. No. 887,653; May 12; Sp. p. 2682; Dr. p. 567; Gaz. vol. 134; p. 462.
- Plant-support, Wire. O. A. Müller. No. 897,006; Aug. 25; Sp. p. 4509; Dr. p. 964; Gaz. vol. 135; p. 1692.
- Plant-supporting stick, Adjustable. H. and A. Heubner. No. 879,047; Feb. 11; Sp. p. 2365; Dr. p. 494; Gaz. vol. 132; p. 1258.
- Plant-table. A. Elder. No. 894,615; July 28; Sp. p. 4667; Dr. p. 969; Gaz. vol. 135; p. 814.
- Plants, Compound for combating fungoid diseases of. C. Rumm. No. 891,567; June 23; Sp. p. 4829; Gaz. vol. 134; p. 1922.
- Plants, Machine for treating fibrous. B. C. Mudge. No. 905,345; Dec. 1; Sp. p. 425; Gaz. vol. 137; p. 1056.
- Plants, Means for supporting climbing. C. Halliday. No. 879,959; Feb. 25; Sp. p. 4292; Dr. p. 897; Gaz. vol. 132; p. 1631.

Alphabetical list of inventions—Continued.

- Plants of their fleshy substance, Machine for divesting parts of. H. J. Boeken. No. 877,984; Feb. 4; Sp. p. 174; Dr. p. 39; Gaz. vol. 132; p. 878.
- Plants, Setting. J. L. Sinclair. No. 885,091; Apr. 21; Sp. p. 2903; Dr. p. 616; Gaz. vol. 133; p. 1715.
- Planter. J. Farley. No. 875,794; Jan. 7; Sp. p. 225; Dr. p. 49; Gaz. vol. 132; p. 41.
- Planter. J. H. Kennebrew. No. 878,536; Feb. 11; Sp. p. 1368; Dr. p. 280; Gaz. vol. 132; p. 1094.
- Planter. W. A. Heublein. No. 878,628; Feb. 11; Sp. p. 1590; Dr. pp. 323-4; Gaz. vol. 132; p. 1126.
- Planter. C. W. Michael. No. 881,193; Mar. 10; Sp. p. 1389; Dr. p. 301; Gaz. vol. 133; p. 266.
- Planter. W. B. Hampton. No. 883,014; Mar. 24; Sp. p. 5011; Dr. pp. 1066-7; Gaz. vol. 133; p. 920.
- Planter. J. C. Atterbury and C. La Plant. No. 884,790; Apr. 14; Sp. p. 2318; Dr. p. 487; Gaz. vol. 133; p. 1588.
- Planter. A. Benton and C. D. Jordan. No. 885,136; Apr. 21; Sp. p. 3016; Dr. p. 636; Gaz. vol. 133; p. 1730.
- Planter. C. B. Roziar. No. 886,415; May 5; Sp. p. 152; Dr. p. 31; Gaz. vol. 134; p. 30.
- Planter. S. H. Tinsman. No. 893,886; July 21; Sp. p. 3144; Dr. pp. 645-6; Gaz. vol. 135; p. 553.
- Planter. H. Rippe. No. 896,246; Aug. 18; Sp. p. 2903; Dr. p. 626; Gaz. vol. 135; p. 1422.
- Planter. S. P. Forcier. No. 901,235; Oct. 13; Sp. p. 2395; Dr. p. 491; Gaz. vol. 136; p. 1478.
- Planter. J. B. Wiggins. No. 903,254; Nov. 10; Sp. p. 1447; Gaz. vol. 137; p. 266.
- Planter. A. A. Wofford. No. 906,351; Dec. 8; Sp. p. 2423; Gaz. vol. 137; p. 1416.
- Planter. J. M. English. No. 907,759; Dec. 29; Sp. p. 5220; Gaz. vol. 137; p. 1964.
- Planter and cultivator. W. L. Paul. No. 896,660; Aug. 18; Sp. p. 3724; Dr. p. 802; Gaz. vol. 135; p. 1553.
- Planter and fertilizer-distributor, Combination. J. B. West. No. 905,395; Dec. 1; Sp. p. 527; Gaz. vol. 137; p. 1074.
- Planter and fertilizer-distributor, Combined. G. S. Sheffield. No. 883,493; Mar. 31; Sp. p. 6021; Dr. p. 1285; Gaz. vol. 133; p. 1109.
- Planter and fertilizer-distributor, Combined seed-. W. A. Higgs. No. 893,584; July 14; Sp. p. 2452; Dr. p. 510; Gaz. vol. 135; p. 424.
- Planter and fertilizer-dropper. H. H. Geiger. No. 887,247; May 12; Sp. p. 1806; Dr. p. 381; Gaz. vol. 134; p. 325.
- Planter and fertilizer-dropper. J. Tuggle. No. 899,144; Sept. 22; Sp. p. 3755; Dr. p. 805; Gaz. vol. 136; p. 707.
- Planter attachment. W. D. Gilbreath. No. 882,379; Mar. 17; Sp. p. 3767; Dr. pp. 803-4; Gaz. vol. 133; p. 679.
- Planter attachment. G. Weidinger. No. 888,676; May 26; Sp. p. 4733; Dr. p. 1006; Gaz. vol. 134; p. 859.
- Planter attachment. J. B. O'Brien. No. 901,552; Oct. 20; Sp. p. 3118; Dr. p. 637; Gaz. vol. 136; p. 1621.
- Planter attachment, Corn-. C. J. Foster and W. M. Kear. No. 903,075; Nov. 3; Sp. p. 1093; Gaz. vol. 137; p. 178.
- Planter attachment, Seed-. G. W. and H. Sterken. No. 888,764; May 26; Sp. p. 4395; Dr. p. 1043; Gaz. vol. 134; p. 886.
- Planter attachment, Seed-. C. O. Pallas. No. 889,329; June 2; Sp. p. 266; Dr. p. 65; Gaz. vol. 134; p. 1101.
- Planter, Check-row. C. D. Butcher. No. 875,690; Jan. 7; Sp. p. 24; Dr. p. 5; Gaz. vol. 132; p. 6.
- Planter, Check-row corn-. P. C. Fox. No. 900,361; Oct. 6; Sp. p. 601; Dr. pp. 124-5; Gaz. vol. 136; p. 1167.
- Planter, Corn-. P. Christiansson. No. 875,894; Jan. 7; Sp. p. 402; Dr. pp. 89-90; Gaz. vol. 132; p. 75.
- Planter, Corn-. C. Anderson. No. 877,693; Jan. 28; Sp. p. 4116; Dr. p. 891; Gaz. vol. 132; p. 757.
- Planter, Corn-. W. A. Tuttle. No. 877,810; Jan. 28; Sp. p. 4312; Dr. p. 936; Gaz. vol. 132; p. 792.
- Planter, Corn-. M. Mitchell. No. 879,398; Feb. 18; Sp. p. 3086; Dr. p. 641; Gaz. vol. 132; p. 1413.
- Planter, Corn-. W. S. Graham. No. 879,461; Feb. 18; Sp. p. 3228; Dr. pp. 672-3; Gaz. vol. 132; p. 1454.
- Planter, Corn-. L. E. Waterman. No. 880,841; Mar. 3; Sp. p. 728; Dr. pp. 153-4; Gaz. vol. 133; p. 123.
- Planter, Corn-. W. P. Ibbotson. No. 880,999; Mar. 3; Sp. p. 1020; Dr. pp. 220-1; Gaz. vol. 133; p. 174.
- Planter, Corn-. C. W. Sparks. No. 883,151; Mar. 24; Sp. p. 5287; Dr. pp. 1127-8; Gaz. vol. 133; p. 966.
- Planter, Corn-. W. S. Hasleu. No. 884,153; Apr. 7; Sp. p. 1028; Dr. pp. 213-14; Gaz. vol. 133; p. 1350.
- Planter, Corn-. F. K. Lathrop. No. 886,005; Apr. 28; Sp. p. 4822; Dr. p. 1013; Gaz. vol. 133; p. 2042.
- Planter, Corn-. L. D. Benner. No. 893,426; July 14; Sp. p. 2086; Dr. pp. 437-8; Gaz. vol. 135; p. 373.
- Planter, Corn-. C. W. Michael. No. 897,220; Aug. 25; Sp. p. 4932; Dr. p. 1047; Gaz. vol. 135; p. 1761.
- Planter, Corn-. A. E. Peterson. No. 901,257; Oct. 13; Sp. p. 2433; Dr. pp. 499-500; Gaz. vol. 136; p. 1485.
- Planter, Corn-. D. J. Kerger. No. 902,415; Oct. 27; Sp. p. 4898; Dr. pp. 991-2; Gaz. vol. 136; p. 1931.
- Planter, Corn and potato. I. J. Kaar. No. 877,344; Jan. 21; Sp. p. 3405; Dr. p. 739; Gaz. vol. 132; p. 622.
- Planter, Cotton-. C. L. McMurphy. No. 887,500; May 12; Sp. p. 2396; Dr. p. 504; Gaz. vol. 134; p. 412.
- Planter, Cotton-. J. W. Crawford. No. 901,072; Oct. 13; Sp. p. 2105; Dr. p. 428; Gaz. vol. 136; p. 1428.
- Planter, Hand-. F. E. Griffith. No. 880,379; Feb. 25; Sp. p. 5119; Dr. p. 1081; Gaz. vol. 132; p. 1768.
- Planter, Hand-. A. C. Hertzfeldt. No. 905,700; Dec. 1; Sp. p. 1165; Gaz. vol. 137; p. 1172.
- Planter marker attachment. G. W. Goldsboro. No. 882,462; Mar. 17; Sp. p. 3907; Dr. pp. 835-6; Gaz. vol. 133; p. 707.
- Planter marker attachment, Corn-. C. A. Mohaffey. No. 896,742; Aug. 25; Sp. p. 3915; Dr. p. 844; Gaz. vol. 135; p. 1603.
- Planter marker attachment, Corn-. J. C. Liston. No. 901,541; Oct. 20; Sp. p. 3100; Dr. p. 633; Gaz. vol. 136; p. 1617.
- Planter marker, Corn-. G. J. Gouker. No. 887,474; May 12; Sp. p. 2336; Dr. p. 489; Gaz. vol. 134; p. 403.
- Planter marking attachment, Corn-. O. Smith. No. 895,507; Aug. 11; Sp. p. 1466; Dr. p. 307; Gaz. vol. 135; p. 1161.
- Planter, Peanut-. N. J. and F. L. Lanotte. No. 892,745; July 7; Sp. p. 700; Dr. p. 148; Gaz. vol. 135; p. 120.
- Planter, Potato-. C. F. Schmidt. No. 882,349; Mar. 17; Sp. p. 3728; Dr. pp. 791-2; Gaz. vol. 133; p. 671.
- Planter, Potato-. R. Blair. No. 889,654; June 2; Sp. p. 900; Dr. p. 208-9; Gaz. vol. 134; p. 1206.
- Planter, Potato-. B. H. Pugh. No. 891,370; June 23; Sp. p. 4433; Dr. p. 964; Gaz. vol. 134; p. 1857.
- Planter, Potato-. E. F. Spinner. No. 893,395; July 14; Sp. p. 2008; Dr. p. 421; Gaz. vol. 135; p. 362.
- Planter row-marker. H. Shrader. No. 883,244; Mar. 31; Sp. p. 5490; Dr. p. 1171; Gaz. vol. 133; p. 1026.
- Planter, Seed-. J. H. Gardner. No. 876,538; Jan. 14; Sp. p. 1733; Dr. p. 377; Gaz. vol. 132; p. 315.
- Planter, Seed-. H. H. Wabers. No. 879,339; Feb. 18; Sp. p. 2851; Dr. p. 615; Gaz. vol. 132; p. 1395.
- Planter, Seed-. P. E. Williams. No. 889,235; June 2; Sp. p. 1582; Dr. p. 45; Gaz. vol. 134; p. 1087.
- Planter, Seed-. S. C. Thomas. No. 892,967; July 7; Sp. p. 1156; Dr. p. 243; Gaz. vol. 135; p. 194.
- Planter, Seed-. W. F. Rodies. No. 897,153; Aug. 25; Sp. p. 4797; Dr. p. 1021; Gaz. vol. 135; p. 1741.
- Planter, Seed-. W. T. Gibbs. No. 899,039; Sept. 22; Sp. p. 3552; Dr. p. 761; Gaz. vol. 136; p. 671.
- Planter, Seed-. B. F. Robinson. No. 900,784; Oct. 13; Sp. p. 1523; Dr. p. 310; Gaz. vol. 136; p. 1333.
- Planter, Tobacco-. J. T. Crenshaw. No. 901,279; Oct. 13; Sp. p. 2493; Dr. p. 511; Gaz. vol. 136; p. 1492.
- Planter, Wireless check-row. G. F. Seems and G. B. Coply. No. 885,873; Apr. 28; Sp. p. 4534; Dr. p. 951; Gaz. vol. 133; p. 1998.
- Planters and clamping means therefor, Gage for seed-. D. J. Mahoney. No. 897,839; Sept. 1; Sp. p. 1218; Dr. p. 260; Gaz. vol. 136; p. 193.
- Planters, Covering attachment for seed-. E. Taylor. No. 886,665; May 5; Sp. p. 646; Dr. p. 134; Gaz. vol. 134; p. 111.
- Planters, Dropping mechanism for corn-. T. C. Roseland. No. 886,253; Apr. 28; Sp. p. 5285; Dr. p. 1114; Gaz. vol. 133; p. 2122.
- Planters, Gage-lifter for corn-. A. C. Garver. No. 890,226; June 9; Sp. p. 2073; Dr. p. 455; Gaz. vol. 134; p. 1420.
- Planters, Potato cutter and feeder for. C. Jenkins. No. 880,798; Mar. 3; Sp. p. 626; Dr. pp. 131-2; Gaz. vol. 133; p. 108.
- Planters, Pumpkin-seed attachment for. J. S. Crouch. No. 893,310; July 14; Sp. p. 1857; Dr. p. 388; Gaz. vol. 135; p. 334.
- Planters, Riding attachment for corn-. J. F. Maier. No. 901,181; Oct. 13; Sp. p. 2297; Dr. pp. 469-70; Gaz. vol. 136; p. 1461.
- Planters, Wireless attachment for check-row corn-. J. Elder and C. M. Scoggins. No. 883,394; Mar. 31; Sp. p. 5811; Dr. pp. 1239-40; Gaz. vol. 133; p. 1075.
- Planting attachment. L. E. Waterman. No. 903,118; Nov. 3; Sp. p. 1169; Gaz. vol. 137; p. 190.
- Planting-machine. C. E. Patric. No. 899,557; Sept. 29; Sp. p. 4573; Dr. p. 983; Gaz. vol. 136; p. 876.
- Planting machine, Potato-. J. Siefert. No. 885,963; Apr. 28; Sp. p. 4741; Dr. p. 996; Gaz. vol. 133; p. 2029.
- Planting machine, Seed-. H. H. Miller. No. 889,947; June 9; Sp. p. 1488; Dr. p. 338; Gaz. vol. 134; p. 1325.
- Plaque-holder, Suspended. J. B. Timberlake. No. 887,744; May 12; Sp. p. 2846; Dr. p. 602; Gaz. vol. 134; p. 493.
- Plaster-board. J. J. Ryan. No. 897,158; Aug. 25; Sp. p. 4305; Dr. p. 1023; Gaz. vol. 135; p. 1743.
- Plaster-board. S. J. Kelley. No. 905,191; Dec. 1; Sp. p. 139; Gaz. vol. 137; p. 1006.
- Plaster-board. L. M. Rader. No. 907,876; Dec. 29; Sp. p. 5444; Gaz. vol. 137; p. 2002.
- Plaster-board machine. L. M. Rader. No. 907,877; Dec. 29; Sp. p. 5445; Gaz. vol. 137; p. 2002.
- Plaster-board-making machine. C. Drill. No. 906,619; Dec. 15; Sp. p. 2902; Gaz. vol. 137; p. 1526.
- Plaster board or plaque. E. C. Roberts. No. 896,326; Aug. 18; Sp. p. 3080; Dr. p. 663; Gaz. vol. 135; p. 1447.
- Plaster-boards, Molding-table for making. G. Rader. No. 884,953; Apr. 14; Sp. p. 2625; Dr. p. 554; Gaz. vol. 133; p. 1637.
- Plaster, Corn and bunion. P. S. Bauer. No. 895,145; Aug. 4; Sp. p. 731; Dr. p. 152; Gaz. vol. 135; p. 1016.
- Plaster-of-paris, Revitalizing discarded. J. E. Eastwick. No. 898,451; Sept. 15; Sp. p. 2455; Gaz. vol. 136; p. 455.
- Plaster or composition board. G. Rader. No. 884,954; Apr. 14; Sp. p. 2628; Dr. p. 555; Gaz. vol. 133; p. 1638.
- Plaster or composition board. G. Rader. No. 891,440; June 23; Sp. p. 4570; Dr. p. 994; Gaz. vol. 134; p. 1881.
- Plastering material. D. R. Jones. No. 886,813; May 5; Sp. p. 931; Dr. p. 206; Gaz. vol. 134; p. 160.
- Plastic. A. Sargent. No. 882,538; Mar. 17; Sp. p. 4063; Gaz. vol. 133; p. 733.
- Plastic composition. H. S. Spackman and E. W. Lazell. No. 903,017; Nov. 3; Sp. p. 976; Gaz. vol. 137; p. 162.
- Plastic compositions from fibrous materials, Manufacture of. N. Reif. No. 895,197; Aug. 4; Sp. p. 844; Dr. p. 178; Gaz. vol. 135; p. 1034.
- Plastic material into charges, Machine for dividing. C. A. Thomson. No. 888,412; May 19; Sp. p. 4165; Dr. pp. 882-3; Gaz. vol. 134; p. 739.
- Plastic material, Machine for molding. J. L. Campbell. No. 887,720; May 12; Sp. p. 2796; Dr. p. 591; Gaz. vol. 134; p. 485.

Alphabetical list of inventions—Continued.

- Plastic materials, Machine for making blocks, plates, &c., from. C. M. C. Hughes and T. H. Quinlan. No. 901,296; Oct. 13; Sp. p. 2536; Dr. pp. 520-1; Gaz. vol. 136; p. 1498.
- Plastic ornaments, Making. A. M. Holstein. No. 903,189; Nov. 10; Sp. p. 1308; Gaz. vol. 137; p. 244.
- Plate. *See* Tie-plate.
- Plate and dish cover. F. Staines. No. 902,340; Oct. 27; Sp. p. 4768; Dr. pp. 961-2; Gaz. vol. 136; p. 1907.
- Plate and pan lifter. M. G. Beasley. No. 906,677; Dec. 15; Sp. p. 3013; Gaz. vol. 137; p. 1543.
- Plate-casting machine, Stereotype. H. F. Bechman. No. 904,748; Nov. 24; Sp. p. 4555; Gaz. vol. 137; p. 822.
- Plate-doubling-machine attachment. F. Westwood. No. 882,434; Mar. 17; Sp. p. 3856; Dr. p. 824; Gaz. vol. 133; p. 697.
- Plate-handler. R. Brooks. No. 895,334; Aug. 4; Sp. p. 1127; Dr. p. 237; Gaz. vol. 135; p. 1081.
- Plate-hanger, Adjustable. H. R. Seavey. No. 907,706; Dec. 22; Sp. p. 5114; Gaz. vol. 137; p. 1917.
- Plate-holder. J. T. McKean. No. 878,227; Feb. 4; Sp. p. 688; Dr. p. 142; Gaz. vol. 132; p. 957.
- Plate-holder. G. B. Hall. No. 879,101; Feb. 11; 2484; Dr. pp. 517-18; Gaz. vol. 132; p. 1275.
- Plate-holder. L. M. Shoemaker. No. 897,668; Sept. 1; Sp. p. 870; Dr. p. 186; Gaz. vol. 136; p. 139.
- Plate-lifter. O. E. Plemon. No. 893,541; July 14; Sp. p. 2348; Dr. p. 492; Gaz. vol. 135; p. 410.
- Plate-lifter. A. C. and C. L. Miller. No. 894,894; Aug. 4; Sp. p. 199; Dr. p. 44; Gaz. vol. 135; p. 931.
- Plate-making apparatus, Pattern-. P. Bonvillain. (Reissue.) No. 12,886; Nov. 24; Sp. p. 5351; Gaz. vol. 137; p. 953.
- Plate or film holders, Device for closing. R. Schütttauf. No. 883,751; Apr. 7; Sp. p. 140; Dr. p. 26; Gaz. vol. 133; p. 1216.
- Plate or stone coating machine. W. C. Huebner. No. 907,365; Dec. 22; Sp. p. 4368; Gaz. vol. 137; p. 1803.
- Plate-rack. A. E. McCombe. No. 905,737; Dec. 1; Sp. p. 1238; Gaz. vol. 137; p. 1184.
- Plate, Soup-. A. Cohen. No. 879,364; Feb. 18; Sp. p. 3004; Dr. p. 628; Gaz. vol. 132; p. 1403.
- Plates, Manufacturing. H. E. Sheldon. No. 902,767; Nov. 3; Sp. p. 459; Gaz. vol. 137; p. 79.
- Plates or tablets, Apparatus for manufacturing compound. M. Winkelströter. No. 885,901; Apr. 28; Sp. p. 4583; Dr. pp. 960-1; Gaz. vol. 133; p. 2007.
- Plating apparatus. C. G. Backus. No. 889,744; June 2; Sp. p. 1087; Dr. pp. 251-2; Gaz. vol. 134; p. 1234.
- Plating apparatus, Movable. G. P. Stevens. No. 887,539; May 12; Sp. p. 2468; Dr. p. 521; Gaz. vol. 134; p. 425.
- Plating-machine. C. Glover. No. 892,417; July 7; Sp. p. 49; Dr. p. 12; Gaz. vol. 135; p. 12.
- Plating-machine. S. C. Catlin. No. 894,482; July 28; Sp. p. 4399; Dr. p. 908; Gaz. vol. 135; p. 771.
- Plating metallic bodies. G. A. Goodson. (Reissue.) No. 12,779; Apr. 14; Sp. p. 2722; Dr. p. 577; Gaz. vol. 133; p. 1653.
- Plating-rack. H. V. Smith. No. 890,882; June 16; Sp. p. 3424; Dr. p. 750; Gaz. vol. 134; p. 1666.
- Platen. H. H. McIntire. No. 895,577; Aug. 11; Sp. p. 1606; Dr. p. 339; Gaz. vol. 135; p. 1183.
- Platen-locking mechanism. A. J. Seaman. No. 876,496; Jan. 14; Sp. p. 1638; Dr. p. 355; Gaz. vol. 132; p. 299.
- Platen-operating mechanism. A. Schneeloch. No. 903,512; Nov. 10; Sp. p. 1958; Gaz. vol. 137; p. 352.
- Platens, Machine for turning rubber shells of. D. W. Filstead. No. 879,378; Feb. 18; Sp. p. 3040; Dr. p. 633; Gaz. vol. 132; p. 1407.
- Platform and elevating means therefor, Movable. J. Bouscal. No. 891,457; June 23; Sp. p. 4602; Dr. p. 1000; Gaz. vol. 134; p. 1887.
- Platform or inclined plane, Moving. J. M. Dodge. No. 893,574; July 14; Sp. p. 2435; Dr. p. 506; Gaz. vol. 135; p. 420.
- Playing-ball. C. T. and E. P. Kingzett. No. 878,070; Feb. 4; Sp. p. 362; Dr. p. 75; Gaz. vol. 132; p. 907.
- Playing-ball. J. W. Smith. No. 906,664; Dec. 15; Sp. p. 2986; Gaz. vol. 137; p. 1539.
- Playing-hoop. J. G. Marsh. No. 881,427; Mar. 10; Sp. p. 1861; Dr. p. 405; Gaz. vol. 133; p. 341.
- Pleasure-giving machine. L. W. Whipple. No. 878,168; Feb. 4; Sp. p. 575; Dr. pp. 117-18; Gaz. vol. 132; p. 939.
- Pleasure-wheel. E. F. Chubbuck. No. 881,095; Mar. 3; Sp. p. 1202; Dr. p. 259; Gaz. vol. 133; p. 204.
- Pleasurephone. C. A. Wardner. No. 899,641; Sept. 29; Sp. p. 4754; Dr. p. 1018; Gaz. vol. 136; p. 903.
- Pliers. P. Broadbooks. No. 881,092; Mar. 3; Sp. p. 1198; Dr. p. 259; Gaz. vol. 133; p. 204.
- Pliers. C. W. Baker. No. 885,969; Apr. 28; Sp. p. 4751; Dr. p. 998; Gaz. vol. 133; p. 2031.
- Pliers. E. A. Gemeny. No. 888,606; May 26; Sp. p. 4581; Dr. p. 971; Gaz. vol. 134; p. 837.
- Pliers. C. Hiller. No. 905,074; Nov. 24; Sp. p. 5211; Gaz. vol. 137; p. 931.
- Pliers. H. R. Hendrickson. No. 907,147; Dec. 22; Sp. p. 3926; Gaz. vol. 137; p. 1729.
- Pliers, Cutting-. H. F. Kelleman. No. 896,118; Aug. 18; Sp. p. 2671; Dr. p. 576; Gaz. vol. 135; p. 1380.
- Pliers, Milliner's. J. K. Mullenbach. No. 898,496; Sept. 15; Sp. p. 2533; Dr. p. 543; Gaz. vol. 136; p. 468.
- Pliers, Watchmaker's. E. A. Barker. No. 898,304; Sept. 8; Sp. p. 2161; Dr. p. 459; Gaz. vol. 136; p. 373.
- Plow. F. S. Fuller. No. 875,988; Jan. 7; Sp. p. 591; Dr. p. 126; Gaz. vol. 132; p. 103.
- Plow. C. R. Coffman. No. 878,774; Feb. 11; Sp. p. 1867; Dr. p. 385; Gaz. vol. 132; p. 1173.
- Plow. C. K. McCasland. No. 878,821; Feb. 11; Sp. p. 1951; Dr. p. 404; Gaz. vol. 132; p. 1187.
- Plow. P. Sweeney. No. 879,020; Feb. 11; Sp. p. 2319; Dr. p. 485; Gaz. vol. 132; p. 1249.
- Plow. J. W. Farrington. No. 881,391; Mar. 10; Sp. p. 1802; Dr. p. 389; Gaz. vol. 133; p. 331.
- Plow. M. O. Bergstrom. No. 881,457; Mar. 10; Sp. p. 1922; Dr. p. 418; Gaz. vol. 133; p. 351.
- Plow. C. C. Rankin. No. 882,839; Mar. 24; Sp. p. 4666; Dr. p. 993; Gaz. vol. 133; p. 863.
- Plow. H. W. Via. No. 884,113; Apr. 7; Sp. p. 927; Dr. pp. 194-5; Gaz. vol. 133; p. 1337.
- Plow. M. C. Jordan. No. 884,164; Apr. 7; Sp. p. 1050; Dr. p. 219; Gaz. vol. 133; p. 1354.
- Plow. A. M. Chase. No. 884,365; Apr. 14; Sp. p. 1417; Dr. p. 303; Gaz. vol. 133; p. 1447.
- Plow. T. H. Fuller. No. 884,652; Apr. 14; Sp. p. 2029; Dr. p. 434; Gaz. vol. 133; p. 1541.
- Plow. G. A. Anderson. No. 885,563; Apr. 21; Sp. p. 3905; Dr. pp. 815-16; Gaz. vol. 133; p. 1867.
- Plow. T. J. Johnson. No. 885,759; Apr. 28; Sp. p. 4306; Dr. p. 903; Gaz. vol. 133; p. 1959.
- Plow. G. Ross. No. 886,412; May 5; Sp. p. 148; Dr. pp. 30-1; Gaz. vol. 134; p. 29.
- Plow. J. H. Sylvestersen. No. 887,147; May 12; Sp. p. 1599; Dr. p. 340; Gaz. vol. 134; p. 294.
- Plow. J. H. Moore. No. 888,184; May 19; Sp. p. 3719; Dr. p. 778; Gaz. vol. 134; p. 664.
- Plow. A. L. Covey and W. N. Greer. No. 890,889; June 16; Sp. p. 3442; Dr. p. 754; Gaz. vol. 134; p. 1668.
- Plow. C. C. Rankin. No. 891,101; June 16; Sp. p. 3867; Dr. p. 845; Gaz. vol. 134; p. 1737.
- Plow. W. H. Goldtrap. No. 891,160; June 16; Sp. p. 3962; Dr. p. 869; Gaz. vol. 134; p. 1756.
- Plow. W. H. Jackson. No. 891,261; June 23; Sp. p. 4200; Dr. p. 919; Gaz. vol. 134; p. 1822.
- Plow. C. R. Davis. No. 891,673; June 23; Sp. p. 5068; Dr. p. 1094; Gaz. vol. 134; p. 1958.
- Plow. T. B. Chapple and G. F. Hummcutt. No. 891,909; June 30; Sp. p. 5553; Dr. p. 1197; Gaz. vol. 134; p. 2069.
- Plow. A. L. Covey. No. 891,913; June 30; Sp. p. 5559; Dr. p. 1198; Gaz. vol. 134; p. 2070.
- Plow. J. F. Snider. No. 893,106; July 14; Sp. p. 1455; Dr. p. 307; Gaz. vol. 135; p. 268.
- Plow. C. R. Davis. No. 893,311; July 14; Sp. p. 1859; Dr. p. 388; Gaz. vol. 135; p. 335.
- Plow. J. H. and V. Ausburn. No. 893,417; July 14; Sp. p. 2056; Dr. p. 430; Gaz. vol. 135; p. 369.
- Plow. S. H. Tinsman. No. 894,169; July 21; Sp. p. 3729; Dr. pp. 771-2; Gaz. vol. 135; p. 647.
- Plow. E. B. James. No. 894,384; July 28; Sp. p. 4202; Dr. p. 867; Gaz. vol. 135; p. 739.
- Plow. A. L. Van Valkenburgh. No. 894,921; Aug. 4; Sp. p. 279; Dr. p. 59; Gaz. vol. 135; p. 941.
- Plow. J. C. Messer and I. J. Deen. No. 894,966; Aug. 4; Sp. p. 377; Dr. p. 76; Gaz. vol. 135; p. 956.
- Plow. O. Beasley. No. 897,447; Sept. 1; Sp. p. 426; Dr. p. 91; Gaz. vol. 136; p. 67.
- Plow. P. D. Arras. No. 897,865; Sept. 8; Sp. p. 1277; Dr. p. 273; Gaz. vol. 136; p. 233.
- Plow. H. Wiard. No. 898,711; Sept. 15; Sp. p. 2953; Dr. p. 633; Gaz. vol. 136; p. 537.
- Plow. J. Ray. No. 898,991; Sept. 15; Sp. p. 3458; Dr. p. 741; Gaz. vol. 136; p. 629.
- Plow. W. C. Bayless. No. 899,021; Sept. 22; Sp. p. 3526; Dr. p. 754; Gaz. vol. 136; p. 666.
- Plow. B. A. Chilson. No. 900,981; Oct. 13; Sp. p. 1940; Dr. p. 395; Gaz. vol. 136; p. 1398.
- Plow. T. Sawatzky. No. 901,193; Oct. 13; Sp. p. 2323; Dr. p. 476; Gaz. vol. 136; p. 1465.
- Plow. S. F. Vose and C. R. Harriman. No. 901,220; Oct. 13; Sp. p. 2368; Dr. p. 484; Gaz. vol. 136; p. 1473.
- Plow. L. Ferry and F. Di Gioia. No. 902,284; Oct. 27; Sp. p. 4624; Dr. p. 939; Gaz. vol. 136; p. 1887.
- Plow. J. M. Sausser. No. 903,323; Nov. 10; Sp. p. 1566; Gaz. vol. 137; p. 289.
- Plow. C. B. Henderson. No. 904,326; Nov. 17; Sp. p. 3690; Gaz. vol. 137; p. 655.
- Plow. R. C. Bryan. No. 904,403; Nov. 17; Sp. p. 3827; Gaz. vol. 137; p. 680.
- Plow. T. M. Manning. No. 904,546; Nov. 24; Sp. p. 4139; Gaz. vol. 137; p. 755.
- Plow. C. Marvin. No. 904,792; Nov. 24; Sp. p. 4660; Gaz. vol. 137; p. 837.
- Plow. F. Luchini. No. 905,895; Dec. 8; Sp. p. 1550; Gaz. vol. 137; p. 1267.
- Plow. K. Stauffer. No. 906,957; Dec. 15; Sp. p. 3555; Gaz. vol. 137; p. 1633.
- Plow. W. P. Wigley. No. 907,302; Dec. 22; Sp. p. 4255; Gaz. vol. 137; p. 1784.
- Plow. L. M. and J. D. Andrews. No. 907,306; Dec. 22; Sp. p. 4260; Gaz. vol. 137; p. 1785.
- Plow and fertilizer-distributor, Combined. J. B. Hicks. No. 877,424; Jan. 21; Sp. p. 3564; Dr. p. 770; Gaz. vol. 132; p. 649.
- Plow and harrow, Combination. E. J. Steele. No. 894,076; July 21; Sp. p. 3546; Dr. p. 727; Gaz. vol. 135; p. 618.
- Plow and sleigh, Combined snow-. N. A. Olsen. No. 904,637; Nov. 24; Sp. p. 4319; Gaz. vol. 137; p. 785.
- Plow attachment. R. S. Mattingley. No. 880,556; Mar. 3; Sp. p. 124; Dr. p. 28; Gaz. vol. 133; p. 25.
- Plow attachment. W. J. McFaul. No. 900,413; Oct. 6; Sp. p. 719; Dr. p. 150; Gaz. vol. 136; p. 1186.
- Plow attachment. F. Evans. No. 900,992; Oct. 13; Sp. p. 1959; Dr. p. 399; Gaz. vol. 136; p. 1402.
- Plow-brace. T. R. Wallis. No. 906,838; Dec. 15; Sp. p. 3324; Gaz. vol. 137; p. 1595.

Alphabetical list of inventions—Continued.

- Plow, Breaking-. J. D. Arras. No. 878,033; Feb. 4; Sp. p. 290; Dr. p. 62; Gaz. vol. 132; p. 895.
 Plow colter attachment. A. L. Deane. No. 907,013; Dec. 15; Sp. p. 3647; Gaz. vol. 137; p. 1649.
 Plow, Combined grader and snow-. M. Sheahan. No. 906,314; Dec. 8; Sp. p. 2354; Gaz. vol. 137; p. 1404.
 Plow cutter-stay. J. C. L. Adams. No. 907,671; Dec. 22; Sp. p. 5048; Gaz. vol. 137; p. 1904.
 Plow, Disk. C. A. Hardy. No. 881,797; Mar. 10; Sp. p. 2583; Dr. p. 555; Gaz. vol. 133; p. 461.
 Plow, Disk. E. H. Sholar and W. W. Pace. No. 900,219; Oct. 6; Sp. p. 305; Dr. p. 62; Gaz. vol. 136; p. 1122.
 Plow-disk and the like. F. Speirs. No. 882,353; Mar. 17; Sp. p. 3730; Dr. p. 793; Gaz. vol. 133; p. 672.
 Plow-disk support. L. Case. No. 895,961; Aug. 11; Sp. p. 2378; Dr. p. 509; Gaz. vol. 135; p. 1307.
 Plow, Double. W. L. Selman. No. 878,565; Feb. 11; Sp. p. 1439; Dr. p. 293; Gaz. vol. 132; p. 1104.
 Plow draft device. A. J. Minor. No. 898,764; Sept. 15; Sp. p. 3048; Dr. p. 654; Gaz. vol. 136; p. 554.
 Plow-fender. J. A. Raiford. No. 881,341; Mar. 10; Sp. p. 1687; Dr. p. 364; Gaz. vol. 133; p. 314.
 Plow flanger, Snow-. H. E. Parsons. No. 907,701; Dec. 22; Sp. p. 5105; Gaz. vol. 137; p. 1915.
 Plow, Gang-. F. A. Falk and H. C. Anderson. No. 900,919; Oct. 13; Sp. p. 1811; Dr. p. 367; Gaz. vol. 136; p. 1378.
 Plow, Garden-. G. A. Smith and H. E. Stein. No. 880,171; Feb. 25; Sp. p. 4709; Dr. p. 994; Gaz. vol. 132; p. 1700.
 Plow, Hand-. C. S. Ergenbright. No. 878,715; Feb. 11; Sp. p. 1754; Dr. pp. 362-3; Gaz. vol. 132; p. 1154.
 Plow harrow attachment. E. M. Kramer. No. 881,414; Mar. 10; Sp. p. 1840; Dr. p. 399; Gaz. vol. 133; p. 337.
 Plow harrow attachment. S. Seitzer, Jr. No. 890,184; June 9; Sp. p. 1988; Dr. p. 438; Gaz. vol. 134; p. 1407.
 Plow-holder. B. S. Curtis. No. 902,380; Oct. 27; Sp. p. 4835; Dr. p. 977; Gaz. vol. 136; p. 1919.
 Plow-landside. J. C. and J. A. Fischer. No. 906,401; Dec. 8; Sp. p. 2500; Gaz. vol. 137; p. 1430.
 Plow-lister. L. D. Flanary. No. 880,726; Mar. 3; Sp. p. 473; Dr. p. 99; Gaz. vol. 133; p. 83.
 Plow, Lister-. A. Shearer. No. 894,802; July 28; Sp. p. 5012; Dr. pp. 1045-6; Gaz. vol. 135; p. 874.
 Plow-moldboard. C. R. McGahey. No. 899,755; Sept. 29; Sp. p. 4980; Dr. p. 1067; Gaz. vol. 136; p. 940.
 Plow-moldboard. A. A. Elder. No. 906,786; Dec. 15; Sp. p. 3228; Gaz. vol. 137; p. 1579.
 Plow, Mole-. D. W. Evans. No. 906,788; Dec. 15; Sp. p. 3230; Gaz. vol. 137; p. 1579.
 Plow, Motor-. G. M. Shimp. No. 877,955; Feb. 4; Sp. p. 116; Dr. p. 137; Gaz. vol. 132; p. 869.
 Plow, Motor-. P. H. Munroe. No. 889,143; May 26; Sp. p. 5682; Dr. pp. 1202-3; Gaz. vol. 134; p. 1009.
 Plow, Motor-. C. A. Hart. No. 893,798; July 21; Sp. p. 2965; Dr. p. 607; Gaz. vol. 135; p. 525.
 Plow-point. C. W. McWane. No. 877,359; Jan. 21; Sp. p. 3440; Dr. p. 746; Gaz. vol. 132; p. 627.
 Plow-point. W. Titus. No. 878,026; Feb. 4; Sp. p. 278; Dr. p. 59; Gaz. vol. 132; p. 893.
 Plow-point. C. G. Gertz. No. 888,607; May 26; Sp. p. 4582; Dr. p. 972; Gaz. vol. 134; p. 837.
 Plow, Power-driven. A. W. Harpsitrite. No. 884,490; Apr. 14; Sp. p. 1662; Dr. p. 358; Gaz. vol. 133; p. 1487.
 Plow pulverizer attachment. W. Olson. No. 894,743; July 28; Sp. p. 4903; Dr. p. 1020; Gaz. vol. 135; p. 855.
 Plow, Riding-. G. L. Hoffman. No. 905,533; Dec. 1; Sp. p. 860; Gaz. vol. 137; p. 1120.
 Plow, Rotary. J. E. Liebhart. No. 888,103; May 19; Sp. p. 3581; Dr. p. 748; Gaz. vol. 134; p. 640.
 Plow runner attachment. E. E. Edwards. No. 882,751; Mar. 24; Sp. p. 4497; Dr. p. 958; Gaz. vol. 133; p. 835.
 Plow running-gear. L. L. Awtrey. No. 904,039; Nov. 17; Sp. p. 3049; Gaz. vol. 137; p. 555.
 Plow shovel, Corn-. J. J. Conrad. No. 881,303; Mar. 10; Sp. p. 1629; Dr. p. 348; Gaz. vol. 133; p. 303.
 Plow siding attachment. A. T. McIlwain. No. 882,768; Mar. 24; Sp. p. 4523; Dr. p. 965; Gaz. vol. 133; p. 840.
 Plow, Sod-line. J. L. Hart. No. 885,341; Apr. 21; Sp. p. 3458; Dr. p. 720; Gaz. vol. 133; p. 1799.
 Plow soil-pulverizing attachment. J. W. Kaufmann and E. M. Kramer. No. 907,505; Dec. 22; Sp. p. 4656; Gaz. vol. 137; p. 1850.
 Plow stalk-cutter attachment. R. B. Human. No. 896,545; Aug. 18; Sp. p. 3527; Dr. p. 758; Gaz. vol. 135; p. 1519.
 Plow-standard clamp. C. C. Rankin. No. 891,100; June 16; Sp. p. 3866; Dr. p. 845; Gaz. vol. 134; p. 1737.
 Plow-standard fender. A. G. Steele. No. 892,564; July 7; Sp. p. 324; Dr. p. 71; Gaz. vol. 135; p. 61.
 Plow, Steam-. F. Violati-Tescari. No. 903,032; Nov. 3; Sp. p. 1010; Gaz. vol. 137; p. 166.
 Plow-stock. J. A. Raiford. No. 881,340; Mar. 10; Sp. p. 1686; Dr. p. 363; Gaz. vol. 133; p. 314.
 Plow, Subsoil-. T. J. Green. No. 880,729; Mar. 3; Sp. p. 477; Dr. p. 100; Gaz. vol. 133; p. 84.
 Plow, Sulky-. C. R. Davis. No. 880,724; Mar. 3; Sp. p. 468; Dr. p. 99; Gaz. vol. 133; p. 82.
 Plow, Sulky-. G. W. Jessup. No. 888,815; May 19; Sp. p. 3012; Dr. p. 633; Gaz. vol. 134; p. 546.
 Plow, Sulky-. O. H. Marx. No. 896,650; Aug. 18; Sp. p. 3704; Dr. p. 797; Gaz. vol. 135; p. 1550.
 Plow sulky attachment. J. W. Turner. No. 893,763; July 21; Sp. p. 2897; Dr. p. 594; Gaz. vol. 135; p. 514.
 Plow, Traction-. S. N. E. Priddy. No. 907,173; Dec. 22; Sp. p. 3964; Gaz. vol. 137; p. 1737.
 Plow, weeder, and grubber, Surface. G. L. Stookey and J. J. Tanner. No. 894,914; Aug. 4; Sp. p. 251; Dr. p. 54; Gaz. vol. 135; p. 938.
 Plow, Wheel-. W. E. Johnson. No. 881,243; Mar. 10; Sp. p. 1500; Dr. pp. 323-4; Gaz. vol. 133; p. 283.
 Plow, Wheel-. J. McMullan. No. 881,820; Mar. 10; Sp. p. 2628; Dr. p. 564; Gaz. vol. 133; p. 469.
 Plow, Wheel-. W. L. Paul. No. 885,078; Apr. 21; Sp. p. 2874; Dr. p. 610; Gaz. vol. 133; p. 1710.
 Plow, Wheel-. J. R. Mueller. No. 906,051; Dec. 8; Sp. p. 1841; Gaz. vol. 137; p. 13.6.
 Plow-wheel-adjusting clamp. F. M. Cook. No. 906,693; Dec. 15; Sp. p. 3047; Gaz. vol. 137; p. 1549.
 Plow, Wheeled. I. A. Weaver. No. 883,365; Mar. 31; Sp. p. 5731; Dr. p. 1222; Gaz. vol. 133; p. 1065.
 Plow, Wheeled. I. A. Weaver. No. 883,678; Mar. 31; Sp. p. 6384; Dr. p. 1362; Gaz. vol. 133; p. 1164.
 Plow, Wheeled. L. E. Waterman. No. 894,785; July 28; Sp. p. 4984; Dr. p. 1039; Gaz. vol. 135; p. 869.
 Plow, Wheeled. S. V. Weeks. No. 903,120; Nov. 3; Sp. p. 1171; Gaz. vol. 137; p. 191.
 Plow, Wheeled. W. E. Johnson. No. 905,079; Nov. 24; Sp. p. 5227; Gaz. vol. 137; p. 932.
 Plows, Adjustable sole-plate for. P. Deevy. No. 880,636; Mar. 3; Sp. p. 298; Dr. p. 66; Gaz. vol. 133; p. 52.
 Plows, Automatic releasing device for gang-. M. Joyce, Jr. No. 883,315; Mar. 31; Sp. p. 5636; Dr. p. 1202; Gaz. vol. 133; p. 1050.
 Plows, corn-planters, and the like, Marker-gage for. J. B. Roberts. No. 904,015; Nov. 17; Sp. p. 3001; Gaz. vol. 137; p. 547.
 Plows, harrows, and the like, Riding attachment for. H. P. Curtright. No. 879,037; Feb. 11; Sp. p. 2346; Dr. p. 491; Gaz. vol. 132; p. 1255.
 Plows, Level-indicator for. G. W. and E. Thurmond. No. 876,747; Jan. 14; Sp. p. 2168; Dr. p. 476; Gaz. vol. 132; p. 384.
 Plows, Riding attachment for walking-. F. O. Norton. No. 893,191; July 14; Sp. p. 1630; Dr. p. 344; Gaz. vol. 135; p. 295.
 Plows, Spring-trip for. L. E. Waterman. No. 903,117; Nov. 3; Sp. p. 1167; Gaz. vol. 137; p. 190.
 Plows, Yielding device for disk. M. Anderson and M. F. Ogden. No. 889,885; June 9; Sp. p. 1371; Dr. p. 312; Gaz. vol. 134; p. 1305.
 Plowing or otherwise cultivating the soil, Machine for. E. Ferriss. No. 901,605; Oct. 20; Sp. p. 3216; Dr. pp. 659-60; Gaz. vol. 136; p. 1637.
 Plowshare. C. W. McWane. No. 879,487; Feb. 18; Sp. p. 3277; Dr. p. 685; Gaz. vol. 132; p. 1443.
 Plowshare. J. B. Crapo. No. 881,379; Mar. 10; Sp. p. 1783; Dr. p. 384; Gaz. vol. 133; p. 327.
 Plowshare. F. M. Awalt. No. 902,640; Nov. 3; Sp. p. 218; Gaz. vol. 137; p. 36.
 Plowshare-fastener. E. F. Spinner. No. 902,770; Nov. 3; Sp. p. 462; Gaz. vol. 137; p. 80.
 Plowshares, Device for holding. P. V. Burgess. No. 876,325; Jan. 14; Sp. p. 1263; Dr. p. 274; Gaz. vol. 132; p. 242.
 Plug and stop-cock, Combined. B. F. Palmer. No. 881,711; Mar. 10; Sp. p. 2434; Dr. p. 524; Gaz. vol. 133; p. 433.
 Plug, Attaching-. H. Geisenh ner. No. 896,005; Aug. 11; Sp. p. 2462; Dr. p. 532; Gaz. vol. 135; p. 1322.
 Plug, Attachment-. R. B. Benjamin. No. 879,723; Feb. 18; Sp. p. 3773; Dr. pp. 791-2; Gaz. vol. 132; p. 1520.
 Plug, Attachment-. R. B. Benjamin. No. 879,725; Feb. 18; Sp. p. 3778; Dr. p. 792; Gaz. vol. 132; p. 1521.
 Plug, Attachment-. D. L. Webb. No. 879,830; Feb. 18; Sp. p. 3984; Dr. p. 834; Gaz. vol. 132; p. 1555.
 Plug-cutting machine. E. E. Elder and J. G. Pool. No. 889,513; June 2; Sp. p. 647; Dr. pp. 150-1; Gaz. vol. 134; p. 1161.
 Plug-driver. C. E. Glidden. No. 886,364; May 5; Sp. p. 43; Dr. p. 9; Gaz. vol. 134; p. 11.
 Plug, Duplex testing-. T. Deasy. No. 888,146; May 19; Sp. p. 3648; Dr. p. 764; Gaz. vol. 134; p. 652.
 Plug, Fixed-polarity separable attachment-. H. Hubbell. No. 890,770; June 16; Sp. p. 3218; Dr. p. 703; Gaz. vol. 134; p. 1631.
 Plug for mounted color-cuts, Register-. H. H. Porter. No. 893,194; July 14; Sp. p. 1640; Dr. p. 345; Gaz. vol. 135; p. 236.
 Plug, Fusible. L. P. Hacker. No. 877,329; Jan. 21; Sp. p. 3385; Dr. p. 733; Gaz. vol. 132; p. 617.
 Plug-locking device, Fuse-. T. E. Murray. No. 908,118; Dec. 29; Sp. p. 5958; Gaz. vol. 137; p. 2081.
 Plug, Plumber's testing-. J. F. Brunner. No. 884,262; Apr. 7; Sp. p. 1217; Dr. p. 255; Gaz. vol. 133; p. 1385.
 Plug-seat switch. B. O. Wells. No. 881,985; Mar. 17; Sp. p. 2999; Dr. p. 640; Gaz. vol. 133; p. 552.
 Plug, Separable attachment-. O. E. Kenney. No. 884,981; Apr. 14; Sp. p. 2678; Dr. p. 569; Gaz. vol. 133; p. 1646.
 Plug, Wall-. M. Swintek. No. 880,699; Mar. 3; Sp. p. 410; Dr. p. 88; Gaz. vol. 133; p. 74.
 Plug, Wall-. C. Lovely. No. 889,700; June 2; Sp. p. 1008; Dr. p. 232; Gaz. vol. 134; p. 1220.
 Plug, Wall-. W. M. Hoerle. No. 905,316; Dec. 1; Sp. p. 360; Gaz. vol. 137; p. 1046.
 Plugs, Device for replacing fusible. E. Oldman. No. 881,143; Mar. 10; Sp. p. 1304; Dr. p. 281; Gaz. vol. 133; p. 251.
 Plugger, Hand-operated. C. H. Hart. No. 904,126; Nov. 17; Sp. p. 3228; Gaz. vol. 137; p. 586.
 Plumb. C. F. Thies. No. 896,483; Aug. 18; Sp. p. 3398; Dr. p. 731; Gaz. vol. 135; p. 1499.
 Plumb and level. J. Sechler. No. 880,246; Feb. 25; Sp. p. 4865; Dr. p. 1030; Gaz. vol. 132; p. 1726.
 Plumb and level. F. O. Rourke. No. 897,411; Sept. 1; Sp. p. 355; Dr. p. 75; Gaz. vol. 136; p. 54.
 Plumb and level, Combined. S. F. Hambleton. No. 904,422; Nov. 17; Sp. p. 3857; Gaz. vol. 137; p. 686.
 Plumb and level, Gravity. J. Unger. No. 892,468; July 7; Sp. p. 151; Dr. p. 32; Gaz. vol. 135; p. 30.

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- Plumb-bob. D. O. Morrill. No. 880,387; Feb. 25; Sp. p. 5135; Dr. p. 1084; Gaz. vol. 132; p. 1771.
- Plumbing and pipe testing device. G. W. Heiland. No. 903,973; Nov. 17; Sp. p. 2921; Gaz. vol. 137; p. 533.
- Plumbing connection, Sanitary. A. M. Morrison. No. 901,545; Oct. 20; Sp. p. 3106; Dr. pp. 634-5; Gaz. vol. 136; p. 1619.
- Plumbing-fixture. P. J. Madden. No. 897,914; Sept. 8; Sp. p. 1386; Dr. pp. 296-7; Gaz. vol. 136; p. 251.
- Plumbing system. J. L. Fruin. No. 897,283; Sept. 1; Sp. p. 36; Dr. p. 9; Gaz. vol. 136; p. 9.
- Plungers, Packing-box for. G. T. Staples. No. 887,139; May 12; Sp. p. 1586; Dr. p. 337; Gaz. vol. 134; p. 291.
- Plunging-furnace. Z. Szpor. No. 884,875; Apr. 14; Sp. p. 2477; Dr. p. 521; Gaz. vol. 133; p. 1615.
- Pneumatic action. H. Meyer. No. 879,786; Feb. 18; Sp. p. 3885; Dr. p. 815; Gaz. vol. 132; p. 1540.
- Pneumatic action. H. Meyer. No. 882,402; Mar. 17; Sp. p. 3804; Dr. p. 813; Gaz. vol. 133; p. 687.
- Pneumatic action. H. Schwesinger. No. 895,804; Aug. 11; Sp. p. 2067; Dr. p. 438; Gaz. vol. 135; p. 1257.
- Pneumatic action. H. Meyer. No. 898,761; Sept. 15; Sp. p. 3043; Dr. p. 653; Gaz. vol. 136; p. 553.
- Pneumatic and other drill. M. Hardsocg. No. 880,880; Mar. 3; Sp. p. 815; Dr. p. 173; Gaz. vol. 133; p. 136.
- Pneumatic and other drill. M. Hardsocg. No. 880,881; Mar. 3; Sp. p. 817; Dr. p. 173; Gaz. vol. 133; p. 137.
- Pneumatic and other drill. M. Hardsocg. No. 884,331; Apr. 7; Sp. p. 1331; Dr. p. 283; Gaz. vol. 133; p. 1406.
- Pneumatic apparatus, Variable-tension expression-bellows for. G. P. Brand. No. 896,686; Aug. 18; Sp. p. 3785; Dr. p. 818; Gaz. vol. 135; p. 1561.
- Pneumatic brake. W. H. Miller. No. 885,169; Apr. 21; Sp. p. 3097; Dr. p. 651; Gaz. vol. 133; p. 1740.
- Pneumatic carrier. M. R. Collins. No. 876,859; Jan. 14; Sp. p. 2368; Dr. p. 518; Gaz. vol. 132; p. 419.
- Pneumatic cleaning systems, Suction apparatus for. W. Locke and E. B. Dunn. No. 893,854; July 21; Sp. p. 3091; Dr. p. 632; Gaz. vol. 135; p. 544.
- Pneumatic control system. P. Pforr. No. 897,484; Sept. 1; Sp. p. 492; Dr. p. 105; Gaz. vol. 136; p. 79.
- Pneumatic-despatch apparatus, Sending mechanism for. H. D. Waterhouse. No. 881,980; Mar. 17; Sp. p. 2991; Dr. p. 639; Gaz. vol. 133; p. 550.
- Pneumatic-despatch systems, Sending mechanism for. C. S. Jennings. No. 899,599; Sept. 29; Sp. p. 4665; Dr. p. 1001; Gaz. vol. 136; p. 891.
- Pneumatic-despatch-tube apparatus. C. F. Stoddard. No. 880,595; Mar. 3; Sp. p. 221; Dr. p. 46; Gaz. vol. 133; p. 38.
- Pneumatic-despatch-tube apparatus. A. W. Pearsall. No. 894,045; July 21; Sp. p. 3492; Dr. p. 714; Gaz. vol. 135; p. 607.
- Pneumatic-despatch-tube system. F. H. Wolever. No. 898,542; Sept. 15; Sp. p. 2631; Dr. pp. 563-4; Gaz. vol. 136; p. 484.
- Pneumatic drier and conveyor. W. F. Carlton. No. 899,658; Sept. 29; Sp. p. 4779; Dr. p. 1023; Gaz. vol. 136; p. 908.
- Pneumatic drill. J. W. Smith. No. 877,523; Jan. 28; Sp. p. 3774; Dr. p. 817; Gaz. vol. 132; p. 702.
- Pneumatic drill. M. Hardsocg. No. 888,164; May 19; Sp. p. 3681; Dr. p. 768; Gaz. vol. 134; p. 657.
- Pneumatic drill. M. Hardsocg. No. 890,978; June 16; Sp. p. 3654; Dr. p. 797; Gaz. vol. 134; p. 1698.
- Pneumatic drill. M. Hardsocg. No. 899,729; Sept. 29; Sp. p. 4918; Dr. pp. 1055-6; Gaz. vol. 136; p. 930.
- Pneumatic drill, Portable. A. P. Strom. No. 907,096; Dec. 15; Sp. p. 3793; Gaz. vol. 137; p. 1675.
- Pneumatic motor. C. G. Wieland. No. 879,227; Feb. 18; Sp. p. 2736; Dr. pp. 570-1; Gaz. vol. 132; p. 1358.
- Pneumatic pad. H. E. Stow. No. 900,610; Oct. 6; Sp. p. 1161; Dr. p. 236; Gaz. vol. 136; p. 1251.
- Pneumatic suction, Apparatus for removing dust by. W. Locke and E. B. Dunn. No. 893,853; July 21; Sp. p. 3087; Dr. pp. 631-2; Gaz. vol. 135; p. 543.
- Pneumatic suspension means. J. M. Clark. No. 891,117; July 21; Sp. p. 3619; Dr. p. 746; Gaz. vol. 135; p. 631.
- Pneumatic-transmission-tube cartridge. F. H. Wolever. No. 889,420; June 2; Sp. p. 459; Dr. p. 110; Gaz. vol. 134; p. 1132.
- Pneumatic-tube systems, Terminal for. C. H. Burton. No. 891,144; June 16; Sp. p. 3936; Dr. p. 861; Gaz. vol. 134; p. 1750.
- Pneumatic-tube systems, Terminal for. C. H. Burton. No. 891,324; June 23; Sp. p. 4332; Dr. p. 945; Gaz. vol. 134; p. 1843.
- Pneumatic wheel and hub. H. A. Brown. No. 877,629; Jan. 28; Sp. p. 3995; Dr. p. 863; Gaz. vol. 132; p. 736.
- Pneumatically-operated devices, Controlling means for. R. P. Jackson. No. 879,267; Feb. 18; Sp. p. 2813; Dr. p. 589; Gaz. vol. 132; p. 1371.
- Pocket. L. Hartel. No. 878,383; Feb. 4; Sp. p. 991; Dr. p. 200; Gaz. vol. 132; p. 1010.
- Pocket. H. Ahnfeldt. No. 898,299; Sept. 8; Sp. p. 2153; Dr. p. 457; Gaz. vol. 136; p. 371.
- Pocket and garment-supporter, Combined. B. Ortell. No. 883,475; Mar. 31; Sp. p. 5985; Dr. p. 1276; Gaz. vol. 133; p. 1103.
- Pocket-book. H. A. Dodge. No. 882,493; Mar. 17; Sp. p. 3957; Dr. p. 846; Gaz. vol. 133; p. 716.
- Pocket-box, Sheet-metal. I. J. Marcuse. No. 898,125; Sept. 8; Sp. p. 1822; Dr. p. 387; Gaz. vol. 136; p. 318.
- Pocket, Detachable. D. L. Jones. No. 887,479; May 12; Sp. p. 2354; Dr. p. 494; Gaz. vol. 134; p. 404.
- Pocket-fastener. R. Foster. No. 893,233; July 14; Sp. p. 1711; Dr. p. 361; Gaz. vol. 135; p. 309.
- Pocket for garments, Detachable. J. W. Hayes. No. 879,638; Feb. 18; Sp. p. 3599; Dr. p. 752; Gaz. vol. 132; p. 1492.
- Pocket for shirts. S. Elbaum. No. 903,065; Nov. 3; Sp. p. 1069; Gaz. vol. 137; p. 175.
- Pocket, Garment-. W. J. Cummings. No. 905,795; Dec. 1; Sp. p. 1346; Gaz. vol. 137; p. 1204.
- Pocket-knife. G. L. McVey. No. 901,253; Oct. 13; Sp. p. 2425; Dr. p. 498; Gaz. vol. 136; p. 1483.
- Pocket-knife. R. L. Guthrie. No. 903,709; Nov. 10; Sp. p. 2350; Gaz. vol. 137; p. 413.
- Pocket, Safety-. J. B. Van Pelt. No. 893,403; July 14; Sp. p. 2029; Dr. p. 425; Gaz. vol. 135; p. 365.
- Pocket, Safety-. J. Sanfason. No. 904,565; Nov. 24; Sp. p. 4181; Gaz. vol. 137; p. 761.
- Pocket safety attachment. J. Felsenstein. No. 885,235; Apr. 21; Sp. p. 3234; Dr. p. 675; Gaz. vol. 133; p. 1763.
- Pocket safety attachment. H. Erickson. No. 886,964; May 5; Sp. p. 1248; Dr. p. 264; Gaz. vol. 134; p. 206.
- Pocket-wrench. M. M. Morgan. No. 896,458; Aug. 18; Sp. p. 3340; Dr. p. 718; Gaz. vol. 135; p. 1489.
- Poison-distributor. J. Mann. No. 890,430; June 9; Sp. p. 2488; Dr. p. 551; Gaz. vol. 134; p. 1486.
- Poison-indicator. G. Cohen. No. 879,740; Feb. 18; Sp. p. 3805; Dr. p. 798; Gaz. vol. 132; p. 1526.
- Poke, Animal-. C. H. McCracken. No. 881,436; Mar. 10; Sp. p. 1879; Dr. p. 409; Gaz. vol. 133; p. 344.
- Poke, Animal-. J. W. Tarpley and E. T. Lister. No. 890,817; June 16; Sp. p. 3312; Dr. p. 725; Gaz. vol. 134; p. 1646.
- Poke, Animal-. J. R. Duckett. No. 892,946; July 7; Sp. p. 1122; Dr. p. 235; Gaz. vol. 135; p. 187.
- Poke, Animal-. C. C. Bush. No. 894,185; July 28; Sp. p. 3780; Dr. p. 783; Gaz. vol. 135; p. 672.
- Poke, Animal-. O. A. Qualey. No. 905,227; Dec. 1; Sp. p. 216; Gaz. vol. 137; p. 1019.
- Poker-table. I. Mason. No. 885,630; Apr. 21; Sp. p. 4020; Dr. pp. 839-40; Gaz. vol. 133; p. 1887.
- Polarity-changing switch, Series-parallel. E. S. Lincoln. No. 877,576; Jan. 28; Sp. p. 3881; Dr. pp. 841-2; Gaz. vol. 132; p. 719.
- Pole. R. S. Orr. No. 878,230; Feb. 4; Sp. p. 691; Dr. p. 143; Gaz. vol. 132; p. 958.
- Pole. R. S. Orr. No. 883,474; Mar. 31; Sp. p. 5983; Dr. p. 1276; Gaz. vol. 133; p. 1102.
- Pole. D. W. Krellwitz. No. 884,171; Apr. 7; Sp. p. 1059; Dr. p. 221; Gaz. vol. 133; p. 1355.
- Pole. R. S. Orr. No. 890,373; June 9; Sp. p. 2387; Dr. p. 526; Gaz. vol. 134; p. 1467.
- Pole. R. S. Orr. No. 892,880; July 7; Sp. p. 986; Dr. p. 206; Gaz. vol. 135; p. 164.
- Pole and shaft for vehicles, Combined. A. J. Martin. No. 888,025; May 19; Sp. p. 3424; Dr. p. 719; Gaz. vol. 134; p. 615.
- Pole-brace. D. C. Van Buren. No. 877,268; Jan. 21; Sp. p. 3270; Dr. pp. 707-8; Gaz. vol. 132; p. 599.
- Pole-changer. W. E. Butler and M. L. Lane. No. 890,840; June 16; Sp. p. 3347; Dr. pp. 733-4; Gaz. vol. 134; p. 1653.
- Pole-climber. H. Foldvik. No. 877,418; Jan. 21; Sp. p. 3552; Dr. p. 768; Gaz. vol. 132; p. 646.
- Pole-cross-arm support. E. C. Short. (Reissue.) No. 12,878; Nov. 10; Sp. p. 2597; Gaz. vol. 137; p. 453.
- Pole, Folding. H. T. Ratzlaff. No. 906,821; Dec. 15; Sp. p. 3289; Gaz. vol. 137; p. 1590.
- Pole for vehicles, Detachable. M. Hirsch and C. Greil. No. 890,278; June 9; Sp. p. 2207; Dr. pp. 484-5; Gaz. vol. 134; p. 1437.
- Pole, Service-. O. Knoerzer. No. 907,817; Dec. 29; Sp. p. 5339; Gaz. vol. 137; p. 1983.
- Pole-shoe. W. R. Everett and E. J. Newton. No. 897,824; Sept. 1; Sp. p. 1186; Dr. p. 251; Gaz. vol. 136; p. 188.
- Pole-socket. D. A. Roberts. No. 898,138; Sept. 8; Sp. p. 1852; Dr. p. 394; Gaz. vol. 136; p. 322.
- Pole-socket. F. Moench. No. 902,673; Nov. 3; Sp. p. 273; Gaz. vol. 137; p. 47.
- Pole-step. C. G. Ette. No. 907,483; Dec. 22; Sp. p. 4619; Gaz. vol. 137; p. 1843.
- Pole-support. L. E. Waterman. No. 894,786; July 28; Sp. p. 4985; Dr. p. 1040; Gaz. vol. 135; p. 869.
- Pole-supporter. R. Hickey. No. 889,373; June 2; Sp. p. 366; Dr. p. 85; Gaz. vol. 134; p. 1116.
- Pole, Tent-. C. A. Bateman. No. 888,137; May 19; Sp. p. 3634; Dr. p. 761; Gaz. vol. 134; p. 650.
- Pole-top cap. J. W. Fraser. No. 892,822; July 7; Sp. p. 849; Dr. p. 181; Gaz. vol. 135; p. 144.
- Pole, Vehicle-. C. W. Needles. No. 890,166; June 9; Sp. p. 1948; Dr. p. 429; Gaz. vol. 134; p. 1400.
- Pole, Vehicle-. C. W. Needles. No. 890,167; June 9; Sp. p. 1949; Dr. p. 430; Gaz. vol. 134; p. 1401.
- Poles, piles, and posts from decay, Means for protecting. E. B. Harang. No. 887,796; May 19; Sp. p. 2974; Dr. p. 624; Gaz. vol. 134; p. 539.
- Police-call, fire-alarm, and watchman's box, Combined. J. G. Nolen. No. 883,665; Mar. 31; Sp. p. 6358; Dr. pp. 1355-6; Gaz. vol. 133; p. 1160.
- Policeman's club, Flexible. J. T. Gannon. No. 897,201; Aug. 25; Sp. p. 4873; Dr. p. 1037; Gaz. vol. 135; p. 1755.
- Polishing-composition can. L. M. Kregelius. No. 887,101; May 12; Sp. p. 1527; Dr. p. 323; Gaz. vol. 134; p. 280.
- Polishing device. D. S. Porter. No. 892,303; June 30; Sp. p. 6310; Dr. p. 1359; Gaz. vol. 134; p. 2197.
- Polishing-head. F. Pierce. No. 904,805; Nov. 24; Sp. p. 4685; Gaz. vol. 137; p. 842.
- Polishing-machine. R. T. Schuttler. No. 877,954; Feb. 4; Sp. p. 114; Dr. pp. 26-7; Gaz. vol. 132; p. 869.
- Polishing-machine. C. L. Hawes. No. 889,680; June 2; Sp. p. 969; Dr. pp. 223-4; Gaz. vol. 134; p. 1214.

Alphabetical list of inventions—Continued.

- Polishing-machine. W. H. Maze and J. Nelson. No. 908,115; Dec. 29; Sp. p. 5947; Gaz. vol. 137; p. 2080.
- Polishing. Process of. A. Giese. No. 889,117; May 26; Sp. p. 5636; Gaz. vol. 134; p. 1001.
- Polishing-wheel. J. B. Fontaine. No. 876,163; Jan. 7; Sp. p. 926; Dr. p. 200; Gaz. vol. 132; p. 157.
- Polishing-wheel. J. W. Hyatt. No. 895,641; Aug. 11; Sp. p. 1724; Dr. p. 365; Gaz. vol. 135; p. 1204.
- Pollen-collecting device. E. Moulié. No. 877,791; Jan. 28; Sp. p. 4283; Dr. p. 930; Gaz. vol. 132; p. 787.
- Polychloramidin and making same. C. Schraube and E. Laudien. No. 892,900; July 7; Sp. p. 1028; Gaz. vol. 135; p. 170.
- Pompadour-roll. H. H. Taylor. No. 882,655; Mar. 24; Sp. p. 4302; Dr. p. 913; Gaz. vol. 133; p. 804.
- Pool-ball rack. H. O. Jewell. No. 884,699; Apr. 14; Sp. p. 2120; Dr. p. 451; Gaz. vol. 133; p. 1556.
- Pool-ball rack. S. T. McGovney. No. 892,290; June 30; Sp. p. 6287; Dr. p. 1354; Gaz. vol. 134; p. 2193.
- Pool-table attachment. P. F. McAuley. No. 888,186; May 19; Sp. p. 3722; Dr. pp. 778-9; Gaz. vol. 134; p. 665.
- Pool-table triangles. Device for releasing. O. W. Kurth. No. 895,474; Aug. 11; Sp. p. 1409; Dr. p. 296; Gaz. vol. 135; p. 1150.
- Pop-corn balls. Machine for making. W. W. Turnbull. No. 897,682; Sept. 1; Sp. p. 892; Dr. p. 191; Gaz. vol. 136; p. 143.
- Popper or roaster. H. W. Rightmyer. No. 906,934; Dec. 15; Sp. p. 3513; Gaz. vol. 137; p. 1626.
- Porcelain-ware-molding apparatus. H. Geisenhöner. No. 894,623; July 28; Sp. p. 4687; Dr. pp. 972-3; Gaz. vol. 135; p. 817.
- Portable bracket. R. J. Birdwell. No. 896,269; Aug. 18; Sp. p. 2943; Dr. p. 635; Gaz. vol. 135; p. 1429.
- Portable elevator. A. F. Meyer. No. 893,637; July 21; Sp. p. 2566; Dr. p. 535; Gaz. vol. 135; p. 471.
- Portable furnace. G. E. Ruhmann. No. 895,688; Aug. 11; Sp. p. 1826; Dr. pp. 388-9; Gaz. vol. 135; p. 1220.
- Portable furnace. Plumber's and tinner's. P. E. Snow. No. 890,189; June 9; Sp. p. 1999; Dr. p. 440; Gaz. vol. 134; p. 1408.
- Portable gate. C. W. Haben. No. 903,564; Nov. 10; Sp. p. 2065; Gaz. vol. 137; p. 369.
- Portable heater and radiator. W. W. Frantz. No. 894,621; July 28; Sp. p. 4683; Dr. p. 971; Gaz. vol. 135; p. 816.
- Portable house. H. J. Armstrong. No. 892,571; July 7; Sp. p. 338; Dr. p. 75; Gaz. vol. 135; p. 63.
- Portable stand. Adjustable roller. W. R. Fox and M. Lund. No. 891,829; June 30; Sp. p. 5399; Dr. p. 1167; Gaz. vol. 134; p. 2042.
- Portière-rod. A. J. Robinson. No. 904,229; Nov. 17; Sp. p. 3471; Gaz. vol. 137; p. 622.
- Portière. Rope. W. T. Smith. No. 903,612; Nov. 10; Sp. p. 2170; Gaz. vol. 137; p. 384.
- Post: See Artificial post; Bed corner-post; Binding-post; Built-up post; Bumping-post; Cement post; Concrete post; Concrete fence-post; Drill-post; Electric terminal-post; Extensible-post; Fence-post; Fence and hitching post; Fence corner-post; Hitching-post; Lathe tool-post; Newel-post; Railway bumping-post; Rubbing-post; Saddle-post; Tool-post; Tube-post.
- Post. C. A. Fuller. No. 880,728; Mar. 3; Sp. p. 476; Dr. p. 100; Gaz. vol. 133; p. 84.
- Post. J. H. Doddridge. No. 883,005; Mar. 24; Sp. p. 4999; Dr. p. 1063; Gaz. vol. 133; p. 917.
- Post. W. A. Oliphant. No. 887,217; May 12; Sp. p. 1721; Dr. p. 366; Gaz. vol. 134; p. 316.
- Post. H. H. Grissom. No. 891,246; June 23; Sp. p. 4172; Dr. p. 914; Gaz. vol. 134; p. 1817.
- Post and tile mold. F. and C. J. Helm. No. 892,592; July 7; Sp. p. 380; Dr. p. 84; Gaz. vol. 135; p. 70.
- Post-binder. W. L. Van de Wiele. No. 876,749; Jan. 14; Sp. p. 2171; Dr. p. 476; Gaz. vol. 132; p. 385.
- Post-binder. L. Senge. No. 902,612; Nov. 3; Sp. p. 166; Gaz. vol. 137; p. 27.
- Post-brace. C. Krabill. No. 883,205; Mar. 31; Sp. p. 5407; Dr. p. 1152; Gaz. vol. 133; p. 1013.
- Post-brace. E. M. Devany. No. 903,686; Nov. 10; Sp. p. 2315; Gaz. vol. 137; p. 406.
- Post-card. O. Palm. Jr. No. 878,556; Feb. 11; Sp. p. 1422; Dr. p. 291; Gaz. vol. 132; p. 1101.
- Post-card. Illustrated. M. Vollmer. No. 900,135; Oct. 6; Sp. p. 133; Dr. p. 28; Gaz. vol. 136; p. 1064.
- Post-card shield. P. H. Borden. No. 884,701; Apr. 14; Sp. p. 2122; Dr. p. 452; Gaz. vol. 133; p. 1557.
- Post-card with folder. F. R. Snyder. No. 903,514; Nov. 10; Sp. p. 1961; Gaz. vol. 137; p. 352.
- Post-cards or other pictures. Descriptive holder for. J. S. Peyton. No. 907,174; Dec. 22; Sp. p. 3968; Gaz. vol. 137; p. 1737.
- Post construction. Newel-. J. Gelin. No. 904,195; Nov. 17; Sp. p. 3396; Gaz. vol. 137; p. 611.
- Post-hole auger. W. J. Miller. No. 905,735; Dec. 1; Sp. p. 1236; Gaz. vol. 137; p. 1184.
- Post-hole-boring machine. R. Guthrie. No. 885,041; Apr. 21; Sp. p. 2809; Dr. pp. 594-5; Gaz. vol. 133; p. 1699.
- Post-hole digger. J. P. Andersen and E. G. Dean. No. 881,280; Mar. 10; Sp. p. 1582; Dr. p. 338; Gaz. vol. 133; p. 296.
- Post-hole digger. J. H. Lowry. No. 884,177; Apr. 7; Sp. p. 1067; Dr. p. 222; Gaz. vol. 133; p. 1357.
- Post-hole digger. E. M. Kramer and J. W. Kaufmann. No. 893,079; July 14; Sp. p. 1398; Dr. p. 296; Gaz. vol. 135; p. 259.
- Post-hole digger. W. Wininger. No. 899,644; Sept. 29; Sp. p. 4761; Dr. p. 1019; Gaz. vol. 136; p. 904.
- Post-hole digger and wire-stretcher. Combined. J. J. Armstrong, Sr. No. 896,345; Aug. 18; Sp. p. 3112; Dr. p. 669; Gaz. vol. 135; p. 1452.
- Post-mold. J. H. Wiest. No. 879,076; Feb. 11; Sp. p. 2420; Dr. p. 507; Gaz. vol. 132; p. 1267.
- Post-mold. H. Ballinger. No. 889,091; May 26; Sp. p. 5559; Dr. p. 1181; Gaz. vol. 134; p. 992.
- Post mold. Fence-. J. B. Storms. No. 904,098; Nov. 17; Sp. p. 3171; Gaz. vol. 137; p. 575.
- Post-office separating-case. M. Ewing. No. 880,132; Feb. 25; Sp. p. 4620; Dr. p. 974; Gaz. vol. 132; p. 1686.
- Post or column. Metal. S. H. Tyson. No. 905,770; Dec. 1; Sp. p. 1302; Gaz. vol. 137; p. 1196.
- Posts and poles. Machine for erecting. R. Guthrie. No. 885,042; Apr. 21; Sp. p. 2813; Dr. p. 595; Gaz. vol. 133; p. 1699.
- Posts and poles. Sterilizing and preserving. H. P. Folsom and H. Jones. No. 894,619; July 28; Sp. p. 4678; Dr. p. 971; Gaz. vol. 135; p. 815.
- Posts or poles. Ground-anchor for. E. R. Hobbs. No. 891,171; June 16; Sp. p. 3993; Dr. p. 877; Gaz. vol. 134; p. 1759.
- Postal card. J. Walker. No. 876,117; Jan. 7; Sp. p. 844; Dr. p. 181; Gaz. vol. 132; p. 143.
- Postal card. H. G. Taylor. No. 879,802; Feb. 18; Sp. p. 3913; Dr. p. 820; Gaz. vol. 132; p. 1546.
- Postal card. J. Draemel. No. 894,124; July 21; Sp. p. 3637; Dr. p. 749; Gaz. vol. 135; p. 633.
- Postal card. J. A. Drinkwater. No. 902,648; Nov. 3; Sp. p. 229; Gaz. vol. 137; p. 39.
- Postal-card-dispensing machine. Coin-controlled. H. H. and H. C. Harris. No. 893,493; July 14; Sp. p. 2247; Dr. p. 470; Gaz. vol. 135; p. 394.
- Postal folder. W. F. Sanders. No. 889,404; June 2; Sp. p. 433; Dr. p. 103; Gaz. vol. 134; p. 1126.
- Postal mailing-card. F. D. Ormston. No. 901,464; Oct. 20; Sp. p. 2931; Dr. p. 598; Gaz. vol. 136; p. 1592.
- Postmarking and canceling machine. W. B. Martindale. No. 877,851; Jan. 28; Sp. p. 4393; Dr. pp. 956-7; Gaz. vol. 132; p. 806.
- Postmarking-machines. Stacking mechanism for. P. J. Madigan. No. 902,668; Nov. 3; Sp. p. 266; Gaz. vol. 137; p. 45.
- Pot: See Coffee-pot; Coffee or tea pot; Corroding-pot; Dash-pot; Fire-pot; Flower-pot; Glass-pot; Liquid-boiling pot; Teapot.
- Pot-cover. E. J. Hansen. No. 889,367; June 2; Sp. p. 345; Dr. p. 80; Gaz. vol. 134; p. 1114.
- Pot-cover. A. F. Norton. No. 908,121; Dec. 29; Sp. p. 5963; Gaz. vol. 137; p. 2082.
- Pot-lifter. H. O. Secrest. No. 880,582; Mar. 3; Sp. p. 188; Dr. p. 41; Gaz. vol. 133; p. 34.
- Pot-stilt. L. Connor. No. 906,200; Dec. 8; Sp. p. 2132; Gaz. vol. 137; p. 1366.
- Potash. Production of. S. Sparling. No. 896,168; Aug. 18; Sp. p. 2753; Gaz. vol. 135; p. 1394.
- Potato and vegetable elevator. Detachable. A. W. Wolf. No. 890,548; June 9; Sp. p. 2709; Dr. pp. 598-9; Gaz. vol. 134; p. 1523.
- Potato-bug-destroying machine. O. Schnicke. No. 906,068; Dec. 8; Sp. p. 1873; Gaz. vol. 137; p. 1321.
- Potato-bug exterminator. B. and C. Carlson. No. 890,495; June 9; Sp. p. 2605; Dr. pp. 577-8; Gaz. vol. 134; p. 1506.
- Potato-bugs. Means for gathering and destroying. A. J. Buhler. No. 893,618; Mar. 31; Sp. p. 6258; Dr. pp. 1334-5; Gaz. vol. 133; p. 1146.
- Potato-bugging machine. M. Harmon. No. 890,051; June 9; Sp. p. 1725; Dr. p. 382; Gaz. vol. 134; p. 1362.
- Potato-cutter. M. M. Wheeler. No. 880,057; Feb. 25; Sp. p. 4487; Dr. p. 943; Gaz. vol. 132; p. 1663.
- Potato-cutter. D. C. Rule, Jr. No. 906,300; Dec. 8; Sp. p. 2328; Gaz. vol. 137; p. 1400.
- Potato-digger. J. Mold. No. 876,075; Jan. 7; Sp. p. 767; Dr. p. 164; Gaz. vol. 132; p. 130.
- Potato-digger. J. Moreau. No. 877,356; Jan. 21; Sp. p. 3430; Dr. p. 744; Gaz. vol. 132; p. 625.
- Potato-digger. T. Herberg. No. 879,543; Feb. 18; Sp. p. 3391; Dr. p. 709; Gaz. vol. 132; p. 1462.
- Potato-digger. J. Moreau. No. 879,661; Feb. 18; Sp. p. 3644; Dr. pp. 672-3; Gaz. vol. 132; p. 1499.
- Potato-digger. J. N. Champagne. No. 880,861; Mar. 3; Sp. p. 776; Dr. pp. 164-5; Gaz. vol. 133; p. 130.
- Potato-digger. D. Y. and D. E. Hallock. No. 886,322; Apr. 28; Sp. p. 5445; Dr. pp. 1141-2; Gaz. vol. 133; p. 2148.
- Potato-digger. R. Blair. No. 889,653; June 2; Sp. p. 898; Dr. pp. 207-8; Gaz. vol. 134; p. 1206.
- Potato-digger. H. P. Hews. No. 891,476; June 23; Sp. p. 4653; Dr. p. 1008; Gaz. vol. 134; p. 1894.
- Potato-digger. C. R. Dodge. No. 893,905; July 21; Sp. p. 3187; Dr. pp. 655-6; Gaz. vol. 135; p. 560.
- Potato-digger. K. Henke. No. 896,109; Aug. 18; Sp. p. 2657; Dr. p. 573; Gaz. vol. 135; p. 1377.
- Potato-digger. H. J. Frisse. No. 901,608; Oct. 20; Sp. p. 3222; Dr. p. 660; Gaz. vol. 136; p. 1638.
- Potato-digger. A. L. Hoover. No. 903,978; Nov. 17; Sp. p. 2931; Gaz. vol. 137; p. 535.
- Potato-digger. L. M. Hoftrup. No. 906,426; Dec. 8; Sp. p. 2546; Gaz. vol. 137; p. 1438.
- Potato-digger. E. G. Schreiber. No. 906,567; Dec. 15; Sp. p. 2809; Gaz. vol. 137; p. 1509.
- Potato-digger. M. D. Main. No. 906,811; Dec. 15; Sp. p. 3272; Gaz. vol. 137; p. 1587.
- Potato digger and separator. J. Halbardier. No. 883,876; Apr. 7; Sp. p. 419; Dr. pp. 82-3; Gaz. vol. 133; p. 1257.
- Potato digger and separator. Combined. R. L. Pettit. No. 876,834; Jan. 14; Sp. p. 2321; Dr. p. 510; Gaz. vol. 132; p. 411.
- Potato digger and shaker. M. Hebbing. No. 902,400; Oct. 27; Sp. p. 4870; Dr. p. 986; Gaz. vol. 136; p. 1925.
- Potato-digging machine. F. Bateman. No. 901,145; Oct. 13; Sp. p. 2240; Dr. p. 455; Gaz. vol. 136; p. 1450.
- Potato-masher. W. A. Prindle. No. 882,078; Mar. 17; Sp. p. 3207; Dr. p. 681; Gaz. vol. 133; p. 583.
- Potato-masher and spoon. Combined. H. J. Griswold. No. 887,790; May 19; Sp. p. 2960; Dr. p. 623; Gaz. vol. 134; p. 537.
- Potato-masher, soup-strainer, and the like. A. S. Duval. No. 908,223; Dec. 29; Sp. p. 6214; Gaz. vol. 137; p. 2118.

Alphabetical list of inventions—Continued.

- Potato picker and loader. R. Keith and G. Hills. No. 890,282; June 9; Sp. p. 2212; Dr. p. 486; Gaz. vol. 134; p. 1438.
- Potato sorter and cleaner. J. E. Howell. No. 877,462; Jan. 21; Sp. p. 3631; Dr. p. 786; Gaz. vol. 132; p. 660.
- Potential-regulator. E. Lehr. No. 876,979; Jan. 21; Sp. p. 2650; Dr. p. 576; Gaz. vol. 132; p. 500.
- Pottery and other ware, Apparatus for decorating. F. Mountford. No. 884,031; Apr. 7; Sp. p. 733; Dr. pp. 148-52; Gaz. vol. 133; p. 1309.
- Poultry and meat carver. L. E. Williams. No. 908,368; Dec. 29; Sp. p. 6492; Gaz. vol. 137; p. 2167.
- Poultry-coop. F. T. Wing. No. 905,263; Dec. 1; Sp. p. 277; Gaz. vol. 137; p. 1031.
- Poultry feeding and watering device. H. C. Benefiel. No. 905,278; Dec. 1; Sp. p. 304; Gaz. vol. 137; p. 1035.
- Poultry-feeding device. W. M. and R. M. Cox. No. 895,165; Aug. 4; Dr. p. 161; Gaz. vol. 135; p. 1023.
- Poultry-fount. W. F. and D. H. Yerian. No. 903,041; Nov. 3; Sp. p. 1027; Gaz. vol. 137; p. 168.
- Poultry-fountain. J. Cullen. No. 881,906; Mar. 17; Sp. p. 2840; Dr. pp. 606-7; Gaz. vol. 133; p. 526.
- Poultry-greaser. W. W. Wilson. No. 882,985; Mar. 24; Sp. p. 4961; Dr. p. 1056; Gaz. vol. 133; p. 912.
- Poultry-house. J. H. Irwin. No. 901,535; Oct. 20; Sp. p. 3086; Dr. p. 630; Gaz. vol. 136; p. 1616.
- Poultry indicator and marker. C. M. Renshaw. No. 881,152; Mar. 10; Sp. p. 1319; Dr. p. 285; Gaz. vol. 133; p. 255.
- Poultry-trap. B. M. Hannes. No. 879,132; Feb. 11; Sp. p. 2552; Dr. p. 531; Gaz. vol. 132; p. 1285.
- Poultry-trough. S. Dougan. No. 908,217; Dec. 29; Sp. p. 6193; Gaz. vol. 137; p. 2116.
- Poultry water and grain receptacle. M. L. Weldon. No. 904,584; Nov. 24; Sp. p. 4216; Gaz. vol. 137; p. 767.
- Pouring filling material in crevices, Device for. W. C. Jones. No. 902,885; Nov. 3; Sp. p. 725; Gaz. vol. 137; p. 120.
- Pousse-café machine. J. Kriwanek. No. 903,203; Nov. 10; Sp. p. 1337; Gaz. vol. 137; p. 249.
- Powder and for filling wrappers with the same, Device for dividing. L. K. Eastman. No. 899,211; Sept. 22; Sp. p. 3895; Dr. pp. 831-2; Gaz. vol. 136; p. 729.
- Powder-blower. F. B. La May. No. 907,376; Dec. 22; Sp. p. 4387; Gaz. vol. 137; p. 1806.
- Powder-can. A. F. Foote. No. 890,634; June 16; Sp. p. 2928; Dr. p. 641; Gaz. vol. 134; p. 1585.
- Powder-can. J. Weber. No. 898,944; Sept. 15; Sp. p. 3371; Dr. p. 724; Gaz. vol. 136; p. 613.
- Powder-can or box, Sifter-top. J. M. Hothersall. No. 886,702; May 5; Sp. p. 736; Dr. p. 151; Gaz. vol. 134; p. 125.
- Powder-distributor. C. D. Holt. No. 886,979; May 5; Sp. p. 1273; Dr. p. 269; Gaz. vol. 134; p. 211.
- Powder-distributor. C. D. Holt. No. 892,257; June 30; Sp. p. 6221; Dr. p. 1340; Gaz. vol. 134; p. 2182.
- Powder-divider, Proportional. W. Voteler. No. 904,164; Nov. 17; Sp. p. 3320; Gaz. vol. 137; p. 600.
- Powder-dividing and capsule-filling apparatus. L. G. Taylor. No. 894,917; Aug. 4; Sp. p. 256; Dr. p. 56; Gaz. vol. 135; p. 940.
- Powder holder, Tooth-. P. S. Hay. No. 888,011; May 19; Sp. p. 3400; Dr. p. 715; Gaz. vol. 134; p. 610.
- Powder-packet former. L. Vaughan. No. 896,180; Aug. 18; Sp. p. 2771; Dr. p. 597; Gaz. vol. 135; p. 1398.
- Powder-receptacle. A. MacPhee. No. 905,725; Dec. 1; Sp. p. 1205; Gaz. vol. 137; p. 1180.
- Powder, Smokeless. F. A. Halsey. No. 878,726; Feb. 11; Sp. p. 1773; Gaz. vol. 132; p. 1158.
- Powder, Smokeless. A. T. Cocking. No. 903,958; Nov. 17; Sp. p. 2892; Gaz. vol. 137; p. 528.
- Power. See Cable-power; Horse-power; Motive power; Tread-power.
- Power-applying mechanism. O. Zachow and W. Besserlich. No. 907,940; Dec. 29; Sp. p. 5583; Gaz. vol. 137; p. 2022.
- Power-changing mechanism. R. Symmonds, Jr. No. 894,473; July 28; Sp. p. 4385; Dr. p. 905; Gaz. vol. 135; p. 768.
- Power-converting device, Windmill-. W. R. Beers. No. 877,543; Jan. 28; Sp. p. 3830; Dr. p. 828; Gaz. vol. 132; p. 709.
- Power-coupling, Yielding. W. C. Mayo and J. Houlehan. No. 879,286; Feb. 18; Sp. p. 2849; Dr. p. 597; Gaz. vol. 132; p. 1378.
- Power-developing apparatus. A. C. Eastwood. No. 889,359; June 2; Sp. p. 326; Dr. p. 77; Gaz. vol. 134; p. 1111.
- Power electrically, Means for transmitting. G. Lewin. No. 881,864; Mar. 10; Sp. p. 2733; Dr. pp. 585-7; Gaz. vol. 133; p. 483.
- Power from car-axes, Mechanism for transmitting. H. H. Taylor. No. 904,461; Nov. 17; Sp. p. 3940; Gaz. vol. 137; p. 699.
- Power from hydrocarbons, Obtaining. P. D. Johnston. No. 905,433; Dec. 1; Sp. p. 650; Gaz. vol. 137; p. 1088.
- Power from the axles of railway-cars, Means of transmitting. L. C. Maher. No. 881,599; Mar. 10; Sp. p. 2198; Dr. p. 470; Gaz. vol. 133; p. 399.
- Power-generating system. J. M. W. Kitchen. No. 883,809; Apr. 7; Sp. p. 267; Dr. p. 49; Gaz. vol. 133; p. 1236.
- Power-generating system. H. Lemp. No. 903,487; Nov. 10; Sp. p. 1902; Gaz. vol. 137; p. 343.
- Power-generating system. E. Rosenberg and E. W. Mix. No. 905,752; Dec. 1; Sp. p. 1267; Gaz. vol. 137; p. 1190.
- Power, Generation and transmission of motive. G. W. Mascord. No. 891,350; June 23; Sp. p. 4392; Dr. p. 956; Gaz. vol. 134; p. 1851.
- Power-generator. C. J. Low. No. 903,592; Nov. 10; Sp. p. 2130; Gaz. vol. 137; p. 378.
- Power-hacksaw. R. C. Berry. No. 907,445; Dec. 22; Sp. p. 4542; Gaz. vol. 137; p. 1831.
- Power-hammer. J. Hamilton and L. Pierce. No. 904,528; Nov. 24; Sp. p. 4106; Gaz. vol. 137; p. 748.
- Power in dredges, Means for utilizing waste. R. M. Wilson. No. 885,900; Apr. 28; Sp. p. 4582; Dr. p. 960; Gaz. vol. 133; p. 2007.
- Power-jack. H. C. Hansen. No. 905,177; Dec. 1; Sp. p. 108; Gaz. vol. 137; p. 1001.
- Power, Means for producing motive. J. L. Tate. No. 886,274; Apr. 28; Sp. p. 5329; Dr. p. 1121; Gaz. vol. 133; p. 2130.
- Power mechanism. C. E. Marshall. No. 889,318; June 2; Sp. p. 246; Dr. p. 60; Gaz. vol. 134; p. 1098.
- Power-meter. C. E. Vawter, Jr. No. 891,018; June 16; Sp. p. 3726; Dr. p. 813; Gaz. vol. 134; p. 1712.
- Power-motor. W. Snee. No. 886,548; May 5; Sp. p. 405; Dr. p. 86; Gaz. vol. 134; p. 75.
- Power-press. H. Osswald. No. 880,239; Feb. 25; Sp. p. 4855; Dr. p. 1027; Gaz. vol. 132; p. 1723.
- Power-press. V. K. V. Palmer. No. 891,435; June 23; Sp. p. 4558; Dr. p. 992; Gaz. vol. 134; p. 1879.
- Power-press. V. K. V. Palmer. No. 891,436; June 23; Sp. p. 4561; Dr. pp. 992-3; Gaz. vol. 134; p. 1879.
- Power purposes, Utilizing hot liquids for. A. C. E. Rateau. No. 884,417; Apr. 14; Sp. p. 1508; Dr. p. 324; Gaz. vol. 133; p. 1464.
- Power-shipping mechanism. W. H. Lafacelle. No. 891,267; June 23; Sp. p. 4212; Dr. p. 921; Gaz. vol. 134; p. 1823.
- Power-shovel jack-arm and mounting. J. B. Webber, Jr. No. 882,086; Mar. 17; Sp. p. 3221; Dr. p. 684; Gaz. vol. 133; p. 586.
- Power-storing apparatus. A. E. Gardner. No. 903,372; Nov. 10; Sp. p. 1665; Gaz. vol. 137; p. 305.
- Power-translating apparatus. J. Sachs. No. 894,800; July 28; Sp. p. 5006; Dr. p. 1044; Gaz. vol. 135; p. 874.
- Power transmission. J. L. Williams. No. 893,409; July 14; Sp. p. 2038; Dr. p. 428; Gaz. vol. 135; p. 367.
- Power-transmission apparatus. C. R. Keith. No. 880,382; Feb. 25; Sp. p. 5125; Dr. p. 1083; Gaz. vol. 132; p. 1769.
- Power-transmission device. C. A. Schlachter. No. 881,444; Mar. 10; Sp. p. 1897; Dr. pp. 413-14; Gaz. vol. 133; p. 347.
- Power-transmission device. C. P. Hollister. No. 881,472; Mar. 10; Sp. p. 1960; Dr. pp. 426-7; Gaz. vol. 133; p. 356.
- Power-transmission device. J. W. Lundgren. No. 882,643; Mar. 24; Sp. p. 4283; Dr. p. 908; Gaz. vol. 133; p. 800.
- Power-transmission device. R. M. and M. C. Thornburg. No. 883,431; Mar. 31; Sp. p. 5896; Dr. pp. 1257-9; Gaz. vol. 133; p. 1088.
- Power-transmission device. J. E. Barrett. No. 889,889; June 9; Sp. p. 1381; Dr. p. 313; Gaz. vol. 134; p. 1306.
- Power-transmission device. S. A. Asquith. No. 899,283; Sept. 22; Sp. p. 4048; Dr. pp. 865-6; Gaz. vol. 136; p. 751.
- Power-transmission device. J. O. Stanley. No. 906,467; Dec. 8; Sp. p. 2621; Gaz. vol. 137; p. 1451.
- Power-transmission device for motor-vehicles. F. C. Avery. No. 883,774; Apr. 7; Sp. p. 182; Dr. p. 34; Gaz. vol. 133; p. 1223.
- Power-transmission device, Frictional. E. H. Manning. No. 903,744; Nov. 10; Sp. p. 2412; Gaz. vol. 137; p. 424.
- Power-transmission device, Frictional. E. H. Manning. No. 908,293; Dec. 29; Sp. p. 6325; Gaz. vol. 137; p. 2140.
- Power-transmission device, Variable-speed. D. M. Dearing. No. 886,191; Apr. 28; Sp. p. 5180; Dr. p. 1091; Gaz. vol. 133; p. 2102.
- Power-transmission means. J. E. and A. W. Caps. No. 881,545; Mar. 10; Sp. p. 2086; Dr. pp. 456-7; Gaz. vol. 133; p. 380.
- Power-transmission mechanism. J. L. Nelson. No. 875,945; Jan. 7; Sp. p. 491; Dr. p. 106; Gaz. vol. 132; p. 89.
- Power-transmission mechanism. J. U. Baker. No. 880,267; Feb. 25; Sp. p. 4911; Dr. pp. 1039-40; Gaz. vol. 132; p. 1733.
- Power-transmission mechanism. N. Ruland. No. 888,265; May 19; Sp. p. 3664; Dr. p. 813; Gaz. vol. 134; p. 692.
- Power-transmission mechanism. B. Van Decar. No. 890,107; June 9; Sp. p. 1820; Dr. pp. 402-3; Gaz. vol. 134; p. 1381.
- Power-transmission mechanism. T. Sander. No. 891,636; June 23; Sp. p. 4985; Dr. p. 1075; Gaz. vol. 134; p. 1945.
- Power-transmission mechanism. W. E. Belt. No. 898,175; Sept. 8; Sp. p. 1925; Dr. p. 411; Gaz. vol. 136; p. 334.
- Power-transmission mechanism. J. O. Michaud. No. 899,420; Sept. 22; Sp. p. 4279; Dr. p. 919; Gaz. vol. 136; p. 794.
- Power-transmission mechanism. W. R. Donaldson and G. W. Marble. No. 906,118; Dec. 8; Sp. p. 1978; Gaz. vol. 137; p. 1337.
- Power-transmission mechanism, Variable-speed. G. L. Reenstierna. No. 889,333; June 2; Sp. p. 270; Dr. pp. 66-7; Gaz. vol. 134; p. 1102.
- Power-transmission mechanism, Variable-speed. H. Casler. No. 893,144; July 14; Sp. p. 1540; Dr. p. 325; Gaz. vol. 135; p. 281.
- Power-transmission mechanism, Variable-speed. C. G. Abbot. No. 893,416; July 14; Sp. p. 2052; Dr. p. 430; Gaz. vol. 135; p. 369.
- Power-transmission mechanism, Variable-speed. B. F. Teal. No. 908,048; Dec. 29; Sp. p. 5813; Gaz. vol. 137; p. 2057.
- Power, Transmission of. F. M. Ashley. No. 900,342; Oct. 6; Sp. p. 566; Dr. p. 118; Gaz. vol. 136; p. 1161.
- Power transmission, Sectional wheel for. S. Stoffel. No. 887,144; May 12; Sp. p. 1595; Dr. p. 339; Gaz. vol. 134; p. 293.
- Power-transmitter. E. T. McKaig. No. 892,073; June 30; Sp. p. 5864; Dr. p. 1262-3; Gaz. vol. 134; p. 2120.
- Power-transmitting apparatus. S. F. Orr. No. 902,677; Nov. 3; Sp. p. 280; Gaz. vol. 137; p. 48.
- Power-transmitting device. A. B. Cohn. No. 881,881; Mar. 10; Sp. p. 2774; Dr. p. 595; Gaz. vol. 133; p. 490.
- Power-transmitting device. G. R. Dean. No. 892,714; July 7; Sp. p. 634; Dr. p. 134; Gaz. vol. 135; p. 110.
- Power-transmitting device. A. W. Whitcomb. No. 893,684; July 21; Sp. p. 2846; Dr. p. 555; Gaz. vol. 135; p. 486.
- Power-transmitting device. L. K. Clark. No. 895,618; Aug. 11; Sp. p. 1684; Dr. pp. 356-7; Gaz. vol. 135; p. 1196.
- Power-transmitting device, Reversible and variable-speed. J. Bartosik and F. Krummel. No. 880,856; Mar. 3; Sp. p. 756; Dr. p. 160; Gaz. vol. 133; p. 128.

- Power-transmitting means. R. S. Prindle. No. 888,654; May 26; Sp. p. 4673; Dr. pp. 993-4; Gaz. vol. 134; p. 852.
- Power-transmitting means. E. J. Fountaine. No. 895,082; Aug. 4; Sp. p. 609; Dr. p. 127; Gaz. vol. 135; p. 995.
- Power-transmitting mechanism. R. D. Mayo. No. 876,571; Jan. 14; Sp. p. 1809; Dr. p. 395; Gaz. vol. 132; p. 326.
- Power-transmitting mechanism. A. T. Brown. No. 876,937; Jan. 21; Sp. p. 2566; Dr. p. 569; Gaz. vol. 132; p. 486.
- Power-transmitting mechanism. F. R. and C. E. S. Burch. No. 881,846; Mar. 10; Sp. p. 2685; Dr. p. 574; Gaz. vol. 133; p. 477.
- Power-transmitting mechanism. W. O. Worth. No. 882,513; Mar. 17; Sp. p. 3998; Dr. pp. 855-6; Gaz. vol. 133; p. 724.
- Power-transmitting mechanism. R. H. Dunlap. No. 886,778; May 5; Sp. p. 910; Dr. p. 189; Gaz. vol. 134; p. 150.
- Power-transmitting mechanism. J. E. Tuttle. No. 887,878; May 19; Sp. p. 3146; Dr. pp. 661-2; Gaz. vol. 134; p. 567.
- Power-transmitting mechanism. G. W. Smith. No. 891,108; June 16; Sp. p. 3877; Dr. p. 848; Gaz. vol. 134; p. 1739.
- Power-transmitting mechanism. A. E. Newton. No. 895,102; Aug. 4; Sp. p. 655; Dr. pp. 137-8; Gaz. vol. 135; p. 1003.
- Power-transmitting mechanism. J. J. Gilroy. No. 898,870; Sept. 15; Sp. p. 3246; Dr. p. 695; Gaz. vol. 136; p. 590.
- Power-transmitting mechanism. R. H. Rice and F. R. C. Boyd. No. 901,473; Oct. 20; Sp. p. 2953; Dr. pp. 603-4; Gaz. vol. 136; p. 1595.
- Power-transmitting mechanism. D. M. Kyle. No. 907,510; Dec. 22; Sp. p. 4662; Gaz. vol. 137; p. 1852.
- Power-transmitting mechanism, Controllable. E. F. Jewett. No. 894,010; July 21; Sp. p. 3401; Dr. p. 696; Gaz. vol. 135; p. 594.
- Power-transmitting mechanism, Flexible. R. I. Fancher. No. 897,610; Sept. 1; Sp. p. 763; Dr. p. 161; Gaz. vol. 136; p. 120.
- Power-transmitting mechanism for metal-working machines. G. O. Gridley. No. 892,662; July 7; Sp. p. 524; Dr. pp. 111-12; Gaz. vol. 135; p. 93.
- Precious metals, Concentrator or washer for. O. H. Wade. No. 889,864; June 2; Sp. p. 1309; Dr. p. 300; Gaz. vol. 134; p. 1273.
- Precious metals from ores, Extracting. I. Kitsee. No. 894,215; July 28; Sp. p. 3844; Gaz. vol. 135; p. 685.
- Precious metals from slimes, Apparatus for the recovery of. A. J. Forget. No. 893,472; July 14; Sp. p. 2197; Dr. p. 461; Gaz. vol. 135; p. 387.
- Precious metals from their ores, Extracting. J. Baxeres de Alzugaray. No. 892,110; June 30; Sp. p. 5929; Gaz. vol. 134; p. 2132.
- Precious stones, Mounting for. W. R. Elliot. No. 899,296; Sept. 22; Sp. p. 4070; Dr. p. 869; Gaz. vol. 136; p. 756.
- Precipitates, Purifying. H. H. Dow and W. S. Gates. No. 883,792; Apr. 7; Sp. p. 221; Gaz. vol. 133; p. 1229.
- Precipitating apparatus. J. E. Greenawalt. No. 906,011; Dec. 8; Sp. p. 1768; Gaz. vol. 137; p. 1304.
- Precision, Adjusting apparatus for instruments of. H. Ahrens. No. 890,394; June 9; Sp. p. 2422; Dr. p. 535; Gaz. vol. 134; p. 1473.
- Preheating device. L. Heynemann. No. 906,879; Dec. 15; Sp. p. 3410; Gaz. vol. 137; p. 1608.
- Prepayment mechanism. J. Gribbel. No. 891,771; June 23; Sp. p. 5251; Dr. p. 1138; Gaz. vol. 134; p. 1981.
- Prepayment-meter. W. H. Pratt. No. 900,777; Oct. 13; Sp. p. 1504; Dr. p. 306; Gaz. vol. 136; p. 1331.
- Preserver, Life-. F. A. Cooke. No. 906,109; Dec. 8; Sp. p. 1965; Gaz. vol. 137; p. 1335.
- Preserver, Life-. J. U. de Uherkócz. No. 906,340; Dec. 8; Sp. p. 2402; Gaz. vol. 137; p. 1412.
- Preserving. E. Janitzky. No. 876,806; Jan. 14; Sp. p. 2263; Gaz. vol. 132; p. 402.
- Preserving fish and other alimentary substances, Receptacle for. F. Bringk. No. 884,892; Apr. 14; Sp. p. 2497; Dr. p. 528; Gaz. vol. 133; p. 1619.
- Preserving-jar. A. Wilkin. No. 882,438; Mar. 17; Sp. p. 3866; Dr. p. 826; Gaz. vol. 133; p. 699.
- Press: See Amalgam-press; Baling-press; Baling and other press; Boiler-tube press; Brick-press; Bundling-press; Cheese-press; Cider-press; Clay-press; Clothes-press; Concrete-block press; Copy-press; Copying-press; Cotton-press; Crank-press; Curd-press; Drawing-press; Filter-press; Flat-bed and rotary press; Fruit-press; Fruit and like packing press; Hay-press; Hydraulic press; Ice-machine press; Lead-press; Leather-rolling press; Meat-press; Metal-flanging press; Multiplex press; Notching-press; Necktie-press; Oil-press; Power-press; Printing-press; Roller-press; Rotary press; Screw-press; Section-press; Tile-press; Tobacco-press; Veneer-press.
- Press. N. W. Crandall. No. 876,899; Jan. 14; Sp. p. 2460; Dr. pp. 537-8; Gaz. vol. 132; p. 433.
- Press. I. Lichtig. No. 878,298; Feb. 4; Sp. p. 834; Dr. p. 166; Gaz. vol. 132; p. 982.
- Press. J. Rappold. No. 879,318; Feb. 18; Sp. p. 2919; Dr. p. 609; Gaz. vol. 132; p. 1388.
- Press. S. M. Green. No. 880,449; Feb. 25; Sp. p. 5275; Dr. pp. 1109-10; Gaz. vol. 132; p. 1793.
- Press. J. Beemster. No. 880,619; Mar. 3; Sp. p. 267; Dr. p. 56; Gaz. vol. 133; p. 47.
- Press. J. Goodfellow. No. 880,877; Mar. 3; Sp. p. 810; Dr. p. 172; Gaz. vol. 133; p. 135.
- Press. H. T. Meyer and G. F. C. Lamar. No. 887,109; May 12; Sp. p. 1540; Dr. p. 325; Gaz. vol. 134; p. 282.
- Press. G. J. Blum. No. 893,601; July 21; Sp. p. 2488; Dr. p. 518; Gaz. vol. 135; p. 459.
- Press. F. W. Barhoff. No. 893,892; July 21; Sp. p. 3158; Dr. pp. 648-9; Gaz. vol. 135; p. 555.
- Press. H. Richard. No. 903,003; Nov. 3; Sp. p. 951; Gaz. vol. 137; p. 157.
- Press and filter, Combined hop. A. G. Hupfel. No. 903,574; Nov. 10; Sp. p. 2084; Gaz. vol. 137; p. 372.
- Press-board. K. E. Rogers. No. 878,089; Feb. 4; Sp. p. 397; Dr. p. 83; Gaz. vol. 132; p. 912.
- Press-box. F. Phelps. No. 885,784; Apr. 28; Sp. p. 4354; Dr. p. 914; Gaz. vol. 133; p. 1967.
- Press-folding attachment, Semi-automatic. L. C. Krummel. No. 894,669; July 28; Sp. p. 4771; Dr. p. 990; Gaz. vol. 135; p. 832.
- Press folder, Cotton. R. M. Jordan. No. 904,617; Nov. 24; Sp. p. 4273; Gaz. vol. 137; p. 778.
- Press for manufacturing briquets, blocks, artificial stone, &c. W. Surmann. No. 881,164; Mar. 10; Sp. p. 1335; Dr. pp. 287-8; Gaz. vol. 133; p. 257.
- Press for paper-making, Feltless wet-. F. M. Chapman. No. 905,053; Nov. 24; Sp. p. 5180; Gaz. vol. 137; p. 924.
- Press for sweetmeats, tablets, &c. F. Baierle. No. 906,676; Dec. 15; Sp. p. 3013; Gaz. vol. 137; p. 1543.
- Press for the manufacture of articles from granular or fibrous material. E. Würd and R. von Mattencloitt. No. 889,081; May 26; Sp. p. 5537; Dr. pp. 1177-8; Gaz. vol. 134; p. 990.
- Press-forms, Preventing the rising of leads in. H. Dannenberg. No. 905,293; Dec. 1; Sp. p. 321; Gaz. vol. 137; p. 1039.
- Press safety attachment. C. L. Wagandt. No. 906,477; Dec. 8; Sp. p. 2639; Gaz. vol. 137; p. 1455.
- Press self-feeder, Baling-. J. S. Tuttle. No. 907,654; Dec. 22; Sp. p. 4986; Gaz. vol. 137; p. 1898.
- Press sheet-gage. C. M. Morrison. No. 903,751; Nov. 10; Sp. p. 2427; Gaz. vol. 137; p. 426.
- Press web-controller. F. W. Rolland, Jr. No. 877,232; Jan. 21; Sp. p. 3196; Dr. p. 693; Gaz. vol. 132; p. 587.
- Presses, Drawback mechanism for. W. Astafek. No. 897,048; Aug. 25; Sp. p. 4596; Dr. p. 980; Gaz. vol. 135; p. 1708.
- Presses, Paper-gage for. J. H. Howard. No. 893,587; July 14; Sp. p. 2457; Dr. p. 511; Gaz. vol. 135; p. 424.
- Presses, Self-feeding mechanism for punch and die. C. A. Williams. No. 900,335; Oct. 6; Sp. p. 556; Dr. p. 116; Gaz. vol. 136; p. 1159.
- Presser-foot-lifting mechanism, Automatic. H. H. Cummings. No. 891,210; June 16; Sp. p. 4083; Dr. pp. 896-7; Gaz. vol. 134; p. 1772.
- Pressing device. O. E. Felland. No. 898,570; Sept. 15; Sp. p. 2682; Dr. p. 573; Gaz. vol. 136; p. 492.
- Pressing hollow bodies having depressions or cavities at their outer sides, Means for. C. Gelfers. No. 900,276; Oct. 6; Sp. p. 440; Dr. p. 90; Gaz. vol. 136; p. 1140.
- Pressing-iron, Gas and air. H. A. Koenig. No. 884,169; Apr. 7; Sp. p. 1056; Dr. p. 220; Gaz. vol. 133; p. 1355.
- Pressing or molding machine. W. Wyssling. No. 900,142; Oct. 6; Sp. p. 147; Dr. pp. 30-1; Gaz. vol. 136; p. 1096.
- Pressing-roller. C. Wiebke. No. 902,768; Nov. 3; Sp. p. 491; Gaz. vol. 137; p. 86.
- Pressure-applying machine. D. A. Murphy. No. 907,553; Dec. 29; Sp. p. 5400; Gaz. vol. 137; p. 1994.
- Pressure brake, High-. W. V. Turner. No. 896,958; Aug. 25; Sp. p. 4408; Dr. p. 942; Gaz. vol. 135; p. 1677.
- Pressure-controller. A. Michelin. No. 886,834; May 5; Sp. p. 1014; Dr. p. 213; Gaz. vol. 134; p. 106.
- Pressure-controlling device, Automatic. W. F. Krichbaum. No. 894,018; July 21; Sp. p. 3433; Dr. p. 702; Gaz. vol. 135; p. 597.
- Pressure-filter. C. W. Merrill. No. 905,341; Dec. 1; Sp. p. 410; Gaz. vol. 137; p. 1054.
- Pressure-gage. O. Arnold, Jr. No. 881,764; Mar. 10; Sp. p. 2520; Dr. p. 543; Gaz. vol. 133; p. 449.
- Pressure-gage. J. S. Kennedy. No. 884,592; Apr. 14; Sp. p. 1864; Dr. pp. 401-2; Gaz. vol. 133; p. 1521.
- Pressure-gage. G. Spencer. No. 898,148; Sept. 8; Sp. p. 1869; Dr. p. 399; Gaz. vol. 136; p. 325.
- Pressure-gage. E. S. Wheeler. No. 899,932; Sept. 29; Sp. p. 5367; Dr. p. 1144; Gaz. vol. 136; p. 997.
- Pressure gage, Differential-. F. H. Hopkins. No. 900,371; Oct. 6; Sp. p. 635; Dr. p. 130; Gaz. vol. 136; p. 1171.
- Pressure gage, Differential-. W. J. Crowell, Jr. No. 904,511; Nov. 24; Sp. p. 4073; Gaz. vol. 137; p. 743.
- Pressure gage, Differential-. C. H. Craig, Jr. No. 908,206; Dec. 29; Sp. p. 6168; Gaz. vol. 137; p. 2112.
- Pressure-governor. W. McClave. No. 889,712; June 2; Sp. p. 1027; Dr. pp. 237-8; Gaz. vol. 134; p. 1223.
- Pressure-governor, Automatic. G. M. Richards. No. 899,263; Sept. 22; Sp. p. 4019; Dr. p. 858; Gaz. vol. 136; p. 745.
- Pressure-indicating device and alarm-signal. J. H. Dixon. No. 879,039; Feb. 11; Sp. p. 2350; Dr. p. 492; Gaz. vol. 132; p. 1256.
- Pressure-indicator. A. H. C. Gibson. No. 898,213; Sept. 8; Sp. p. 1986; Dr. p. 424; Gaz. vol. 136; p. 345.
- Pressure indicator and regulator. R. Faries. No. 899,446; Sept. 22; Sp. p. 4327; Dr. p. 930; Gaz. vol. 136; p. 802.
- Pressure-limiting device. A. Wilzin. No. 903,424; Nov. 10; Sp. p. 1770; Gaz. vol. 137; p. 322.
- Pressure-maintaining system. F. Gray. No. 896,823; Aug. 25; Sp. p. 4093; Dr. p. 880; Gaz. vol. 135; p. 1631.
- Pressure-measuring apparatus, Hydraulic-. A. H. Emery. No. 895,991; Aug. 11; Sp. p. 2436; Dr. pp. 524-6; Gaz. vol. 135; p. 1317.
- Pressure mechanism, Fluid-feeding-. G. Thompson. No. 897,676; Sept. 1; Sp. p. 879; Dr. p. 188; Gaz. vol. 136; p. 141.
- Pressure-recorder. G. Spencer. No. 897,311; Sept. 1; Sp. p. 77; Dr. p. 19; Gaz. vol. 136; p. 17.
- Pressure-regulating system. F. B. Comins. No. 896,438; Aug. 18; Sp. p. 3303; Dr. p. 709; Gaz. vol. 135; p. 1493.
- Pressure-regulator. A. Beler. No. 879,127; Feb. 11; Sp. p. 2544; Dr. p. 529; Gaz. vol. 132; p. 1283.
- Pressure-regulator. R. M. Dixon. No. 880,128; Feb. 25; Sp. p. 4614; Dr. p. 973; Gaz. vol. 132; p. 1685.
- Pressure-regulator. M. G. Reynolds. No. 880,402; Feb. 25; Sp. p. 5177; Dr. p. 1091; Gaz. vol. 132; p. 1776.

Alphabetical list of inventions—Continued.

- Pressure-regulator. J. E. Ward. No. 885,812; Apr. 28; Sp. p. 4418; Dr. p. 926; Gaz. vol. 133; p. 1977.
 Pressure-regulator. J. Danischewski. No. 891,599; June 23; Sp. p. 4892; Dr. p. 1054; Gaz. vol. 134; p. 1931.
 Pressure-regulator. A. Schum. No. 899,912; Sept. 29; Sp. p. 5306; Dr. p. 1135; Gaz. vol. 136; p. 991.
 Pressure-regulator. F. A. Simonds. No. 903,142; Nov. 3; Sp. p. 1209; Gaz. vol. 137; p. 198.
 Pressure-regulator. G. E. Hulse. No. 905,188; Dec. 1; Sp. p. 130; Gaz. vol. 137; p. 1005.
 Pressure-regulator. Fluid-. G. E. Hulse. No. 905,187; Dec. 1; Sp. p. 128; Gaz. vol. 137; p. 1004.
 Pressure-retaining mechanism, Equalizing triple-. B. Canell. No. 895,957; Aug. 11; Sp. p. 2359; Dr. p. 506; Gaz. vol. 135; p. 1305.
 Primary battery. W. M. McDougall and S. R. V. Robinson. No. 880,689; Mar. 3; Sp. p. 391; Dr. p. 85; Gaz. vol. 133; p. 70.
 Primary battery. C. B. Schoenmehl. No. 888,407; May 19; Sp. p. 4155; Dr. p. 878; Gaz. vol. 134; p. 737.
 Primary battery. F. G. Dodge. No. 894,487; July 28; Sp. p. 4415; Dr. p. 913; Gaz. vol. 135; p. 773.
 Primary battery. W. A. F. Bleeck. No. 899,823; Sept. 29; Sp. p. 5135; Dr. p. 1098; Gaz. vol. 136; p. 963.
 Primary battery. K. Heintz. No. 901,445; Oct. 20; Sp. p. 2901; Dr. p. 591; Gaz. vol. 136; p. 1586.
 Printed-paper strips in true register, Device for assembling. P. Ashelm. No. 882,366; Mar. 17; Sp. p. 3750; Dr. p. 798; Gaz. vol. 133; p. 676.
 Printer and register, Ticket. O. A. Brown. No. 891,521; June 23; Sp. p. 4742; Dr. p. 1027; Gaz. vol. 134; p. 1908.
 Printer for paper-rolls, Automatic. D. C. Lee. No. 887,730; May 12; Sp. p. 2818; Dr. p. 595; Gaz. vol. 134; p. 489.
 Printer's chase. J. E. Bright. No. 895,000; Aug. 4; Sp. p. 457; Dr. p. 93; Gaz. vol. 135; p. 968.
 Printer's chase foot-bar. T. F. Murray. No. 896,745; Aug. 25; Sp. p. 3920; Dr. p. 845; Gaz. vol. 135; p. 1603.
 Printer's composing-stick. T. Draper. No. 905,060; Nov. 24; Sp. p. 5190; Gaz. vol. 137; p. 926.
 Printer's filler-block. W. S. Warnock. No. 895,607; Aug. 11; Sp. p. 1662; Dr. p. 351; Gaz. vol. 135; p. 1193.
 Printer's furniture. W. S. Warnock. No. 876,030; Jan. 7; Sp. p. 667; Dr. p. 143; Gaz. vol. 132; p. 115.
 Printer's furniture. J. C. Urbank. No. 896,487; Aug. 18; Sp. p. 3408; Dr. p. 733; Gaz. vol. 135; p. 1500.
 Printer's gage. G. M. Beasley. No. 890,837; June 16; Sp. p. 3343; Dr. p. 732; Gaz. vol. 134; p. 1652.
 Printers' galleys, Lock for. G. R. Boyte. No. 891,397; June 23; Sp. p. 4494; Dr. p. 978; Gaz. vol. 134; p. 1868.
 Printers' implement. W. N. Swain. No. 904,572; Nov. 24; Sp. p. 4196; Gaz. vol. 137; p. 764.
 Printers' overlays and underlays, Preparing. E. Lankes and K. Schwärzler. No. 892,166; June 30; Sp. p. 6048; Gaz. vol. 134; p. 2151.
 Printers'-plate clamps, Tool for moving jaws of. H. B. Rouse. No. 894,399; July 28; Sp. p. 4239; Dr. p. 874; Gaz. vol. 135; p. 744.
 Printer's quoin. F. W. Blackhall. No. 877,039; Jan. 21; Sp. p. 2799; Dr. p. 604; Gaz. vol. 832; p. 522.
 Printer's quoin. C. L. Dingens. No. 904,849; Nov. 24; Sp. p. 4778; Gaz. vol. 137; p. 857.
 Printer's registering device. W. S. Warnock. No. 878,842; Feb. 11; Sp. p. 1986; Dr. p. 412; Gaz. vol. 132; p. 1194.
 Printers' rollers and the like, Machine for cleaning. C. B. Cutler. No. 876,336; Jan. 14; Sp. p. 1293; Dr. p. 280; Gaz. vol. 132; p. 245.
 Printer's rule and lead cutter. H. B. Rouse. No. 894,398; July 28; Sp. p. 4236; Dr. p. 874; Gaz. vol. 135; p. 743.
 Printing. H. L. Reckard. No. 884,418; Apr. 14; Sp. p. 1511; Dr. p. 324; Gaz. vol. 133; p. 1464.
 Printing and cutting machine, Cloth. C. F. Sparks. No. 878,681; Feb. 11; Sp. p. 1680; Dr. pp. 346-7; Gaz. vol. 132; p. 1143.
 Printing and decorating irregular surfaces, Diaphragm for. H. W. Deidrick. No. 887,315; May 12; Sp. p. 2008; Dr. p. 421; Gaz. vol. 134; p. 351.
 Printing and delivering apparatus, Coupon. J. W. Jones. No. 907,369; Dec. 22; Sp. p. 4375; Gaz. vol. 137; p. 1804.
 Printing and folding apparatus, Newspaper. J. A. Boyce. No. 900,259; Oct. 6; Sp. p. 380; Dr. pp. 79-81; Gaz. vol. 136; p. 1134.
 Printing and folding apparatus, Paper. J. A. Boyce. No. 900,654; Oct. 6; Sp. p. 1248; Dr. pp. 255-6; Gaz. vol. 136; p. 1265.
 Printing and folding machinery, Signature-delivery mechanism for. R. C. Seymour. No. 879,419; Feb. 18; Sp. p. 3139; Dr. pp. 653-4; Gaz. vol. 132; p. 1421.
 Printing and for die presses, Duplex inking-gear for platen. M. Rockstroh. No. 890,455; June 9; Sp. p. 2526; Dr. p. 559; Gaz. vol. 134; p. 1493.
 Printing and issuing tickets, Machine for. A. Parker. No. 901,996; Oct. 27; Sp. p. 4053; Dr. p. 822; Gaz. vol. 136; p. 1796.
 Printing and other purposes, Cylinder for. W. Love. No. 886,998; May 5; Sp. p. 1308; Dr. pp. 275-6; Gaz. vol. 134; p. 217.
 Printing and registering apparatus, Ticket. H. Friedlein. No. 891,614; June 23; Sp. p. 4919; Dr. pp. 1060-1; Gaz. vol. 134; p. 1936.
 Printing and registering apparatus, Ticket. N. Lebeis. No. 891,624; June 23; Sp. p. 4950; Dr. pp. 1066-7; Gaz. vol. 134; p. 1940.
 Printing and registering apparatus, Ticket. M. Lebeis. No. 899,671; Sept. 29; Sp. p. 4801; Dr. pp. 1028-9; Gaz. vol. 136; p. 912.
 Printing and stamping machine. J. C. Hansen-Ellehammer and E. A. P. R. Lund. No. 885,616; Apr. 21; Sp. p. 3989; Dr. pp. 833-4; Gaz. vol. 133; p. 1883.
 Printing apparatus. A. B. Dick. No. 898,446; Sept. 15; Sp. p. 2445; Dr. p. 523; Gaz. vol. 136; p. 453.
 Printing apparatus, Electrical. M. T. Weston. No. 904,743; Nov. 24; Sp. p. 4542; Gaz. vol. 137; p. 821.
 Printing apparatus, Stencil-. D. Gestetner. No. 894,827; Aug. 4; Sp. p. 55; Dr. p. 11; Gaz. vol. 135; p. 909.
 Printing-blocks, Manufacture of half-tone. W. and H. B. Bell. No. 897,051; Aug. 25; Sp. p. 4600; Dr. p. 980; Gaz. vol. 135; p. 1709.
 Printing-blocks, Mold for the production of base-blocks for mounting. F. F. W. Oldfield. No. 878,663; Feb. 11; Sp. p. 1651; Dr. p. 339; Gaz. vol. 132; p. 1137.
 Printing-chain-cleaning device. G. A. Chambers. No. 889,507; June 2; Sp. p. 637; Dr. p. 148; Gaz. vol. 134; p. 1159.
 Printing device. J. S. Duncan. No. 881,385; Mar. 10; Sp. p. 1790; Dr. p. 386; Gaz. vol. 133; p. 329.
 Printing device. C. F. Shepherd. No. 897,164; Aug. 25; Sp. p. 4814; Dr. pp. 1024-5; Gaz. vol. 135; p. 1744.
 Printing device. J. J. Sayre. No. 899,624; Sept. 29; Sp. p. 4721; Dr. p. 1011; Gaz. vol. 136; p. 898.
 Printing device, Blue-. C. de Lukasevics. No. 883,214; Mar. 31; Sp. p. 5424; Dr. pp. 1155-6; Gaz. vol. 133; p. 1017.
 Printing device in cash-registers, Color-. J. Frydmane and L. Chambon. No. 885,464; Apr. 21; Sp. p. 3683; Dr. p. 772; Gaz. vol. 133; p. 1837.
 Printing device, Stamp-. F. C. Carroll. No. 889,357; June 2; Sp. p. 320; Dr. p. 76; Gaz. vol. 134; p. 1110.
 Printing for embossing, scoring, and die-cutting, Securing absolute registration in. F. J. Holmes. No. 888,895; May 26; Sp. p. 5205; Dr. p. 1104; Gaz. vol. 134; p. 931.
 Printing-frame. E. R. Williams. No. 880,345; Feb. 25; Sp. p. 5050; Dr. p. 1067; Gaz. vol. 132; p. 1757.
 Printing-frame. C. A. Wayland. No. 899,363; Sept. 22; Sp. p. 4188; Dr. p. 897; Gaz. vol. 136; p. 777.
 Printing from films or plates, Machine for. C. G. Morgan. No. 884,516; Apr. 14; Sp. p. 1719; Dr. p. 369; Gaz. vol. 133; p. 1495.
 Printing-ink. H. N. Potter. No. 908,132; Dec. 29; Sp. p. 5988; Gaz. vol. 137; p. 2086.
 Printing-ink. H. N. Potter. No. 908,133; Dec. 29; Sp. p. 5990; Gaz. vol. 137; p. 2086.
 Printing, Lithographic. M. A. Jullien and E. L. Dessolle. No. 877,433; Jan. 21; Sp. p. 3583; Gaz. vol. 132; p. 652.
 Printing-machine. G. W. Mascord. No. 878,651; Feb. 11; Sp. p. 1633; Dr. pp. 334-5; Gaz. vol. 132; p. 1133.
 Printing-machine. W. H. Thomas. No. 881,167; Mar. 10; Sp. p. 1342; Dr. pp. 289-90; Gaz. vol. 133; p. 258.
 Printing-machine. J. L. Firm. No. 883,706; Apr. 7; Sp. p. 61; Dr. p. 9; Gaz. vol. 133; p. 1202.
 Printing-machine. S. Brown. No. 887,763; May 19; Sp. p. 2901; Dr. pp. 611-12; Gaz. vol. 134; p. 527.
 Printing-machine. J. D. Caldwell. No. 890,961; June 16; Sp. p. 3620; Dr. pp. 787-8; Gaz. vol. 134; p. 1693.
 Printing-machine. S. Brown. No. 891,980; June 30; Sp. p. 5704; Dr. p. 1228; Gaz. vol. 134; p. 2092.
 Printing-machine. A. McPherson. No. 895,290; Aug. 4; Sp. p. 1055; Dr. p. 221; Gaz. vol. 135; p. 1067.
 Printing-machine. H. A. W. Wood. No. 896,186; Aug. 18; Sp. p. 2779; Dr. p. 599; Gaz. vol. 135; p. 1400.
 Printing-machine. H. A. W. Wood. No. 896,187; Aug. 18; Sp. p. 2784; Dr. pp. 599-601; Gaz. vol. 135; p. 1400.
 Printing-machine. A. B. Dick. No. 898,445; Sept. 15; Sp. p. 2439; Dr. pp. 522-3; Gaz. vol. 136; p. 453.
 Printing-machine. J. L. Firm. No. 905,164; Dec. 1; Sp. p. 82; Gaz. vol. 137; p. 996.
 Printing-machine. M. H. Mann. No. 905,548; Dec. 1; Sp. p. 886; Gaz. vol. 137; p. 1125.
 Printing-machine. H. A. W. Wood. (Reissue.) No. 12,899; Dec. 15; Sp. p. 3850; Gaz. vol. 137; p. 1685.
 Printing-machine. H. Stamm. No. 908,347; Dec. 29; Sp. p. 6452; Gaz. vol. 137; p. 2161.
 Printing-machine and enlarging-camera, Combined. A. Kaiser. No. 894,154; July 21; Sp. p. 3692; Dr. pp. 766-7; Gaz. vol. 135; p. 642.
 Printing-machine, Automatic. F. H. Nelson and L. Bard. No. 883,421; Mar. 31; Sp. p. 5871; Dr. p. 1251; Gaz. vol. 133; p. 1084.
 Printing-machine, Bag-. C. E. Duin. No. 888,974; May 26; Sp. p. 5357; Dr. p. 1136; Gaz. vol. 134; p. 956.
 Printing-machine, Blue-. C. Lukasevics. No. 883,322; Mar. 31; Sp. p. 5645; Dr. pp. 1204-5; Gaz. vol. 133; p. 1051.
 Printing-machine, Blue-. J. C. Perham. No. 897,482; Sept. 1; Sp. p. 483; Dr. p. 104; Gaz. vol. 136; p. 78.
 Printing-machine, Blue-. C. de Lukasevics. No. 901,303; Oct. 13; Sp. p. 2546; Dr. p. 524; Gaz. vol. 136; p. 1500.
 Printing-machine, Card-. M. H. Mann. No. 896,062; Aug. 11; Sp. p. 2562; Dr. pp. 556-7; Gaz. vol. 135; p. 1340.
 Printing-machine cutting mechanism. W. Spackhaver. No. 877,010; Jan. 21; Sp. p. 2731; Dr. p. 591; Gaz. vol. 132; p. 512.
 Printing-machine, Fabric-. G. Berthet and V. Berthonet. No. 900,978; Oct. 13; Sp. p. 1932; Dr. pp. 393-4; Gaz. vol. 136; p. 1397.
 Printing-machine, Hand. J. A. Spooner. No. 893,882; July 21; Sp. p. 3138; Dr. p. 644; Gaz. vol. 135; p. 552.
 Printing-machine inking apparatus. R. M. Davidson. No. 904,312; Nov. 17; Sp. p. 3654; Gaz. vol. 137; p. 651.
 Printing-machine inking apparatus. M. H. Mann. No. 907,070; Dec. 15; Sp. p. 3753; Gaz. vol. 137; p. 1668.
 Printing-machine, Measuring-tape-. E. Eigner. No. 895,179; Aug. 4; Sp. p. 605; Dr. p. 126; Gaz. vol. 135; p. 994.
 Printing-machine, Multicolor-. F. W. H. Dietrich. No. 896,899; Aug. 25; Sp. p. 4250; Dr. p. 909; Gaz. vol. 135; p. 1656.
 Printing-machine paper-feeding device. S. Brown. No. 892,358; June 30; Sp. p. 6413; Dr. p. 1384; Gaz. vol. 134; p. 2214.
 Printing-machine, Pencil-. H. C. Biette. No. 879,849; Feb. 25; Sp. p. 4028; Dr. pp. 844-5; Gaz. vol. 132; p. 1594.
 Printing-machine, Stencil-. L. W. Von Behren. No. 896,490; Aug. 18; Sp. p. 3412; Dr. pp. 734-5; Gaz. vol. 135; p. 1501.

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- Printing machine, Street-. D. Landau. No. 894,961; Aug. 4; Sp. p. 371; Dr. p. 75; Gaz. vol. 135; p. 955.
 Printing machine, Two-color-. T. Brock. No. 886,936; May 5; Sp. p. 1193; Dr. pp. 251-3; Gaz. vol. 134; p. 198.
 Printing machine, Web-. W. Scott. No. 882,800; Mar. 24; Sp. p. 4581; Dr. pp. 977-8; Gaz. vol. 133; p. 850.
 Printing-machines, Cutting and perforating attachment for. G. F. McAdams. No. 902,314; Oct. 27; Sp. p. 4699; Dr. p. 952; Gaz. vol. 136; p. 1898.
 Printing machines, Ribbon mechanism for type-. A. B. Dick. No. 899,160; Sept. 22; Sp. p. 3795; Dr. pp. 812-13; Gaz. vol. 136; p. 712.
 Printing-machines, Type-holding device for. S. Brown. No. 893,977; July 21; Sp. p. 3339; Dr. p. 684; Gaz. vol. 135; p. 584.
 Printing machinery. S. G. Goss. No. 894,200; July 28; Sp. p. 3813; Dr. p. 790; Gaz. vol. 135; p. 678.
 Printing machinery, Antismutting device for. E. H. Cottrell. No. 879,443; Feb. 18; Sp. p. 3183; Dr. p. 663; Gaz. vol. 132; p. 1429.
 Printing machinery, Antismutting device for. E. H. Cottrell. No. 898,727; Sept. 15; Sp. p. 2983; Dr. pp. 639-40; Gaz. vol. 136; p. 543.
 Printing machinery for simultaneous multicolor-printing, Rotary web-. F. von Eulenfeld. No. 888,231; May 19; Sp. p. 3802; Dr. pp. 798-9; Gaz. vol. 134; p. 680.
 Printing-machinery throw-off mechanism. H. F. Bechman. No. 876,132; Jan. 7; Sp. p. 876; Dr. p. 188; Gaz. vol. 132; p. 148.
 Printing, Means for preventing offset in connection with. J. Hergesheimer. No. 897,831; Sept. 1; Sp. p. 1201; Dr. p. 256; Gaz. vol. 136; p. 191.
 Printing mechanism. C. F. Richardson. No. 907,885; Dec. 29; Sp. p. 5462; Gaz. vol. 137; p. 2005.
 Printing mechanism for listing-machines, Total-. D. E. Felt and C. P. Wetmore. No. 889,671; June 2; Sp. p. 951; Dr. pp. 219-20; Gaz. vol. 134; p. 1211.
 Printing mechanism, Selective. E. D. Belknap. No. 889,503; June 2; Sp. p. 631; Dr. pp. 146-7; Gaz. vol. 134; p. 1157.
 Printing mechanism, Time-. H. Abbott. No. 878,447; Feb. 4; Sp. p. 1102; Dr. pp. 225-7; Gaz. vol. 132; p. 1030.
 Printing, Multicolor-. J. P. Knapp. No. 896,733; Aug. 25; Sp. p. 3878; Gaz. vol. 135; p. 1599.
 Printing of literature, music, and the like for reading by the blind, Press for embossed. W. B. Wait. No. 900,622; Oct. 6; Sp. p. 1183; Dr. pp. 241-2; Gaz. vol. 136; p. 1254.
 Printing on boards, Machine for. H. W. Morgan. No. 893,745; July 21; Sp. p. 2858; Dr. p. 587; Gaz. vol. 135; p. 508.
 Printing on wood. E. Joss. No. 902,886; Nov. 3; Sp. p. 728; Gaz. vol. 137; p. 120.
 Printing or stamping attachment for paper-holding stands. E. Gallozzi. No. 890,637; June 16; Sp. p. 2933; Dr. p. 642; Gaz. vol. 134; p. 1586.
 Printing-plate. K. Geiser and A. Schatzmann. No. 894,265; July 28; Sp. p. 3962; Gaz. vol. 135; p. 699.
 Printing-plate. J. S. Duncan. No. 902,281; Oct. 27; Sp. p. 4620; Dr. p. 938; Gaz. vol. 136; p. 1886.
 Printing-plate-cooling device, Stereotype-. J. Kurten. No. 907,820; Dec. 29; Sp. p. 5343; Gaz. vol. 137; p. 1984.
 Printing-plate holder. W. J. Knoll. No. 894,446; July 28; Sp. p. 4337; Dr. p. 894; Gaz. vol. 135; p. 759.
 Printing-plate holder. W. J. Knoll. No. 894,447; July 28; Sp. p. 4340; Dr. p. 894; Gaz. vol. 135; p. 760.
 Printing-plate-making apparatus. J. O. De Wolf. No. 884,369; Apr. 14; Sp. p. 1428; Dr. p. 305; Gaz. vol. 133; p. 1449.
 Printing-plates, Apparatus for the production of process. H. G. Bartholomew and H. M. Bussy. No. 899,019; Sept. 22; Sp. p. 3523; Dr. p. 754; Gaz. vol. 136; p. 666.
 Printing-plates, Making metallic. J. O. DeWolf. No. 905,155; Dec. 1; Sp. p. 60; Gaz. vol. 137; p. 993.
 Printing-press. C. B. Whitaker. No. 875,758; Jan. 7; Sp. p. 158; Dr. p. 35; Gaz. vol. 132; p. 30.
 Printing-press. W. H. Smith. No. 879,687; Feb. 18; Sp. p. 3702; Dr. pp. 775-6; Gaz. vol. 132; p. 1508.
 Printing-press. R. C. Seymour. No. 879,840; Feb. 18; Sp. p. 4002; Dr. pp. 838-40; Gaz. vol. 132; p. 1559.
 Printing-press. G. H. Pierce. No. 879,897; Feb. 25; Sp. p. 4174; Dr. pp. 871-2; Gaz. vol. 132; p. 1610.
 Printing-press. P. F. Cox. No. 880,281; Feb. 25; Sp. p. 4939; Dr. p. 1044; Gaz. vol. 132; p. 1737.
 Printing-press. H. T. Kingsbury. No. 881,133; Mar. 10; Sp. p. 1279; Dr. pp. 275-6; Gaz. vol. 133; p. 247.
 Printing-press. H. T. Kingsbury. No. 881,134; Mar. 10; Sp. p. 1282; Dr. p. 276; Gaz. vol. 133; p. 247.
 Printing-press. R. Miehle. No. 881,139; Mar. 10; Sp. p. 1296; Dr. pp. 279-80; Gaz. vol. 133; p. 250.
 Printing-press. H. G. Barrett. No. 881,288; Mar. 10; Sp. p. 1599; Dr. pp. 342-3; Gaz. vol. 133; p. 299.
 Printing-press. G. Hartman. No. 883,802; Apr. 7; Sp. p. 253; Dr. p. 46; Gaz. vol. 133; p. 1233.
 Printing-press. H. F. Bechman. No. 884,123; Apr. 7; Sp. p. 949; Dr. p. 199; Gaz. vol. 133; p. 1340.
 Printing-press. J. H. Stonemetz. No. 884,302; Apr. 7; Sp. p. 1278; Dr. p. 270; Gaz. vol. 133; p. 1397.
 Printing-press. W. L. Green. No. 885,747; Apr. 28; Sp. p. 4277; Dr. pp. 895-7; Gaz. vol. 133; p. 1955.
 Printing-press. A. W. Vaughn. No. 885,895; Apr. 28; Sp. p. 4570; Dr. p. 958; Gaz. vol. 133; p. 2005.
 Printing-press. C. G. Harris and W. H. Smith. No. 886,367; May 5; Sp. p. 48; Dr. p. 10; Gaz. vol. 134; p. 12.
 Printing-press. J. H. Stonemetz. No. 890,467; June 9; Sp. p. 2548; Dr. p. 564; Gaz. vol. 134; p. 1496.
 Printing-press. L. W. Southgate. No. 890,720; June 16; Sp. p. 3104; Dr. p. 681; Gaz. vol. 134; p. 1613.
 Printing-press. C. G. Harris and W. H. Smith. No. 891,165; June 16; Sp. p. 3983; Dr. p. 875; Gaz. vol. 134; p. 1757.
 Printing-press. H. F. Bechman. No. 894,575; July 28; Sp. p. 4586; Dr. p. 951; Gaz. vol. 135; p. 802.
 Printing-press. L. E. Morrison. No. 895,659; Aug. 11; Sp. p. 1762; Dr. pp. 373-4; Gaz. vol. 135; p. 1210.
 Printing-press. F. Meisel. No. 897,219; Aug. 25; Sp. p. 4929; Dr. p. 1047; Gaz. vol. 135; p. 1761.
 Printing-press. J. H. Stonemetz. No. 898,075; Sept. 8; Sp. p. 1728; Dr. p. 367; Gaz. vol. 136; p. 302.
 Printing-press. W. P. Quentell. No. 901,186; Oct. 13; Sp. p. 2307; Dr. pp. 472-3; Gaz. vol. 136; p. 1463.
 Printing-press. A. E. Dowell. No. 901,312; Oct. 13; Sp. p. 2561; Dr. p. 527; Gaz. vol. 136; p. 1503.
 Printing-press. C. G. Harris. No. 901,964; Oct. 27; Sp. p. 3962; Dr. p. 809; Gaz. vol. 136; p. 1786.
 Printing-press. C. Martin. No. 903,728; Dec. 1; Sp. p. 1214; Gaz. vol. 137; p. 1181.
 Printing-press. R. C. Seymour. No. 907,415; Dec. 22; Sp. p. 4463; Gaz. vol. 137; p. 1820.
 Printing-press. J. M. Thomas. No. 907,538; Dec. 22; Sp. p. 4707; Gaz. vol. 137; p. 1860.
 Printing-press. R. C. Seymour. No. 908,158; Dec. 29; Sp. p. 6043; Gaz. vol. 137; p. 2095.
 Printing-press attachment. A. J. Hood. No. 877,195; Jan. 21; Sp. p. 3118; Dr. pp. 675-6; Gaz. vol. 132; p. 574.
 Printing-press attachment. A. L. Smith. No. 894,732; July 28; Sp. p. 4916; Dr. p. 1024; Gaz. vol. 135; p. 858.
 Printing-press attachment. M. Rockstroh. No. 897,152; Aug. 25; Sp. p. 4796; Dr. p. 1021; Gaz. vol. 135; p. 1741.
 Printing-press attachment. C. Merz and F. Lebart. No. 905,552; Dec. 1; Sp. p. 897; Gaz. vol. 137; p. 1126.
 Printing press, Automatic card-. W. A. Billman. No. 875,886; Jan. 7; Sp. p. 390; Dr. p. 85; Gaz. vol. 132; p. 72.
 Printing press, Automatic card-. W. A. Billman. No. 887,733; May 12; Sp. p. 2827; Dr. p. 598; Gaz. vol. 134; p. 490.
 Printing-press bed-movement. S. Whitlock. No. 895,820; Aug. 11; Sp. p. 2096; Dr. p. 445; Gaz. vol. 135; p. 1262.
 Printing-press clamping and adjusting device. W. H. Golding. No. 900,519; Oct. 6; Sp. p. 967; Dr. p. 196; Gaz. vol. 136; p. 1220.
 Printing-press cylinders, Means for securing sheets or blankets to. C. G. Harris. No. 880,523; Mar. 3; Sp. p. 58; Dr. p. 14; Gaz. vol. 133; p. 13.
 Printing-press driving mechanism, Multicolor-. E. E. Babcock. No. 906,673; Dec. 15; Sp. p. 3010; Gaz. vol. 137; p. 1542.
 Printing-press driving mechanism, Multicolor-. E. E. Babcock. No. 906,674; Dec. 15; Sp. p. 3011; Gaz. vol. 137; p. 1542.
 Printing-press, especially of the bed-and-platen type. A. Burbach. No. 881,998; Mar. 17; Sp. p. 3042; Dr. pp. 647-8; Gaz. vol. 133; p. 556.
 Printing-press feed and delivery attachment. S. Molnar. No. 878,987; Jan. 21; Sp. p. 2665; Dr. pp. 579-80; Gaz. vol. 132; p. 503.
 Printing-press folding apparatus. H. P. Husby. No. 884,587; Apr. 14; Sp. p. 1854; Dr. pp. 398-9; Gaz. vol. 133; p. 1519.
 Printing-press folding mechanism, Web-. H. F. Bechman. No. 906,369; Dec. 8; Sp. p. 2451; Gaz. vol. 137; p. 1421.
 Printing-press for simultaneous printing with different colors. C. A. Lindman. No. 908,286; Dec. 29; Sp. p. 6313; Gaz. vol. 137; p. 2138.
 Printing-press impression-latch. F. E. Meehan. No. 904,075; Nov. 17; Sp. p. 3123; Gaz. vol. 137; p. 567.
 Printing-press ink-roller trip. C. L. Johnston. No. 897,902; Sept. 8; Sp. p. 1359; Dr. p. 291; Gaz. vol. 136; p. 246.
 Printing-press inking-roller. A. Munzesheimer. No. 905,562; Dec. 1; Sp. p. 912; Gaz. vol. 137; p. 1129.
 Printing-press jogger. J. H. Stonemetz. No. 906,330; Dec. 8; Sp. p. 2288; Gaz. vol. 137; p. 1409.
 Printing press, Multicolor-. H. F. Bechman. No. 888,384; May 19; Sp. p. 4095; Dr. p. 864; Gaz. vol. 134; p. 729.
 Printing press, Multicolor-. G. E. Panoast. No. 902,165; Oct. 27; Sp. p. 4380; Dr. p. 887; Gaz. vol. 136; p. 1849.
 Printing-press-plate clamping mechanism. S. G. Goss. No. 905,173; Dec. 1; Sp. p. 97; Gaz. vol. 137; p. 999.
 Printing-press-plate clamping mechanism. S. G. Goss. No. 905,174; Dec. 1; Sp. p. 101; Gaz. vol. 137; p. 999.
 Printing-press, Platen. M. Rockstroh. No. 873,426; Feb. 4; Sp. p. 1067; Dr. p. 1216; Gaz. vol. 132; p. 1024.
 Printing-press, Platen. F. Waite. No. 900,805; Oct. 13; Sp. p. 1567; Dr. p. 317; Gaz. vol. 136; p. 1341.
 Printing-press, Reciprocating-motion. C. L. Robinson. No. 876,590; Jan. 14; Sp. p. 1852; Dr. p. 405; Gaz. vol. 132; p. 333.
 Printing-press registering device. E. L. Bogasch. No. 891,034; June 16; Sp. p. 3751; Dr. pp. 818-19; Gaz. vol. 134; p. 1717.
 Printing-press roll-holder. H. P. Husby. No. 894,206; July 28; Sp. p. 3828; Dr. p. 793; Gaz. vol. 135; p. 680.
 Printing-press roll-holder. W. Evensen. No. 907,760; Dec. 29; Sp. p. 5224; Gaz. vol. 137; p. 1964.
 Printing-press roll-holder. W. Evensen. No. 907,761; Dec. 29; Sp. p. 5226; Gaz. vol. 137; p. 1964.
 Printing-press, Rotary-cylinder web-perfecting. H. F. Bechman. No. 880,960; Mar. 3; Sp. p. 956; Dr. p. 206; Gaz. vol. 133; p. 161.
 Printing-press rotary folding mechanism. H. P. Husby. (Reissue). No. 12,772; Mar. 31; Sp. p. 6399; Dr. p. 1364; Gaz. vol. 133; p. 1167.
 Printing-press rotary folding mechanism. H. P. Husby. No. 899,734; Sept. 29; Sp. p. 4932; Dr. p. 1058; Gaz. vol. 136; p. 932.
 Printing-press rotary folding mechanism. H. Lang. No. 899,742; Sept. 29; Sp. p. 4951; Dr. p. 1062; Gaz. vol. 136; p. 935.
 Printing-press rotary folding mechanism. J. J. Walser. No. 899,771; Sept. 29; Sp. p. 5020; Dr. p. 1076; Gaz. vol. 136; p. 946.
 Printing-press rotary folding mechanism. J. J. Walser. No. 899,772; Sept. 29; Sp. p. 5022; Dr. p. 1077; Gaz. vol. 136; p. 946.

Alphabetical list of inventions—Continued.

- Printing-press safety device, Platen-. M. Rockstroh. No. 908,330; Dec. 29; Sp. p. 6418; Gaz. vol. 137; p. 2154.
- Printing-press sheet-delivery mechanism. H. P. Brown and C. L. Johnston. No. 881,223; Mar. 10; Sp. p. 1459; Dr. p. 314; Gaz. vol. 133; p. 276.
- Printing-press side guide. W. S. Huson. No. 878,957; Feb. 11; Sp. p. 2206; Dr. p. 461; Gaz. vol. 132; p. 1230.
- Printing-press side guide. C. J. McArthur. No. 899,834; Sept. 29; Sp. p. 5148; Dr. p. 1102; Gaz. vol. 136; p. 966.
- Printing-press, Tag and label. F. C. Jamieson. No. 876,646; Jan. 14; Sp. p. 1989; Dr. pp. 432-3; Gaz. vol. 132; p. 353.
- Printing-press, Traveling-cylinder web-. H. F. Bechman. No. 880,001; Feb. 25; Sp. p. 4363; Dr. p. 915; Gaz. vol. 132; p. 1645.
- Printing-press, Two-color-. H. A. Agricola, Jr. No. 891,392; June 23; Sp. p. 4481; Dr. p. 975; Gaz. vol. 134; p. 1866.
- Printing-press, Web-. P. F. Cox. No. 880,282; Feb. 25; Sp. p. 4942; Dr. p. 1045; Gaz. vol. 132; p. 1737.
- Printing-press, Web-. P. F. Cox. No. 884,901; Apr. 14; Sp. p. 2513; Dr. p. 531; Gaz. vol. 133; p. 1622.
- Printing-press web-feeding device. P. F. Cox. No. 884,900; Apr. 14; Sp. p. 2509; Dr. p. 530; Gaz. vol. 133; p. 1622.
- Printing-press web-guide. R. Mason. No. 896,736; Aug. 25; Sp. p. 3885; Dr. pp. 839-40; Gaz. vol. 135; p. 1600.
- Printing-presses and similar machines, Dampening device for. G. W. Prouty. No. 882,536; Mar. 17; Sp. p. 4065; Dr. p. 865; Gaz. vol. 133; p. 732.
- Printing-presses, Color-printing attachment for. A. P. Harland. No. 885,340; Apr. 21; Sp. p. 3453; Dr. pp. 719-20; Gaz. vol. 133; p. 1798.
- Printing-presses, Folding mechanism for. H. F. Bechman. No. 879,510; Feb. 18; Sp. p. 3323; Dr. pp. 694-5; Gaz. vol. 132; p. 1451.
- Printing-presses, Folding mechanism for web-. H. F. Bechman. No. 880,499; Mar. 3; Sp. p. 15; Dr. p. 4; Gaz. vol. 133; p. 5.
- Printing-presses, Mechanism for raising and lowering platens of. M. J. Barnett. No. 883,853; Apr. 7; Sp. p. 368; Dr. p. 71; Gaz. vol. 133; p. 1237.
- Printing-presses, Plate-clamping mechanism for rotary. W. Evensen. No. 905,162; Dec. 1; Sp. p. 75; Gaz. vol. 137; p. 995.
- Printing-presses, Printing or plate cylinder for rotary. W. K. Hodgman. No. 901,295; Oct. 13; Sp. p. 2533; Dr. p. 520; Gaz. vol. 136; p. 1498.
- Printing publications, Sheet to be used for. J. W. Brooks and J. H. Kinealy. No. 883,157; Mar. 24; Sp. p. 5299; Dr. p. 1131; Gaz. vol. 133; p. 968.
- Printing-ribbons, Renewing process for. J. R. Gallagher. No. 895,248; Aug. 4; Sp. p. 961; Gaz. vol. 135; p. 1053.
- Printing-rolls, Means for inking. F. C. Sixt and W. M. Reichart. No. 884,872; Apr. 14; Sp. p. 2473; Dr. p. 521; Gaz. vol. 133; p. 1614.
- Printing, ruling, and like machines, Feeding mechanism of. F. W. Vickery. No. 886,901; May 5; Sp. p. 1136; Dr. p. 238; Gaz. vol. 134; p. 136.
- Printing-surfaces, Apparatus for producing. W. C. Huebner. No. 902,584; Nov. 3; Sp. p. 111; Gaz. vol. 137; p. 18.
- Printing-surfaces, Bending. B. F. Upham. No. 903,342; Nov. 10; Sp. p. 1614; Gaz. vol. 137; p. 296.
- Printing-surfaces, Bending. B. F. Upham. No. 906,586; Dec. 15; Sp. p. 2847; Gaz. vol. 137; p. 1515.
- Printing-surfaces, Machine for producing. A. Lytle and C. Owens. No. 882,704; Mar. 24; Sp. p. 4389; Dr. pp. 934-5; Gaz. vol. 133; p. 820.
- Printing-tapestry, Machine for. C. F. M. Kroenert. No. 877,570; Jan. 28; Sp. p. 3873; Dr. pp. 838-9; Gaz. vol. 132; p. 717.
- Printing-telegraph, receiver. J. Barry. No. 905,126; Nov. 24; Sp. p. 5326; Gaz. vol. 137; p. 949.
- Printing tubular articles, Apparatus for. J. M. Johnson. No. 900,073; Sept. 29; Sp. p. 5681; Dr. p. 1213; Gaz. vol. 136; p. 1044.
- Printing, Water-color. C. S. Heermance. No. 876,643; Jan. 14; Sp. p. 1984; Dr. p. 431; Gaz. vol. 132; p. 352.
- Prism-telescope and similar prism-carrying device and means for adjusting the prisms. H. Jacob. No. 904,066; Nov. 17; Sp. p. 3106; Gaz. vol. 137; p. 564.
- Prison-bar. C. L. Jackson and E. N. Lov. No. 886,129; Apr. 28; Sp. p. 5078; Dr. p. 1065; Gaz. vol. 133; p. 2082.
- Processing apparatus. A. E. Bimmerle. No. 904,300; Nov. 17; Sp. p. 3631; Gaz. vol. 137; p. 647.
- Projectile. C. Rockhill. No. 875,952; Jan. 7; Sp. p. 519; Dr. p. 111; Gaz. vol. 132; p. 91.
- Projectile. J. A. Bon. No. 879,079; Feb. 11; Sp. p. 2426; Dr. p. 508; Gaz. vol. 132; p. 1268.
- Projectile. C. V. Wheeler and A. G. McKenna. No. 893,963; July 21; Sp. p. 3303; Dr. p. 678; Gaz. vol. 135; p. 579.
- Projectile. G. H. Hoxie. No. 896,021; Aug. 11; Sp. p. 2495; Dr. p. 539; Gaz. vol. 135; p. 1327.
- Projectile. E. Gathmann. No. 904,255; Nov. 17; Sp. p. 3524; Gaz. vol. 137; p. 630.
- Projectile. F. E. Clotz. No. 906,771; Dec. 15; Sp. p. 3203; Gaz. vol. 137; p. 1575.
- Projectile, Anchor-. E. S. Clough. No. 890,499; June 9; Sp. p. 2613; Dr. p. 57; Gaz. vol. 134; p. 1507.
- Projectile, Explosive. J. F. Meigs and E. Gathmann. (Reissue.) No. 12,849; Sept. 8; Sp. p. 2374; Dr. p. 507; Gaz. vol. 136; p. 412.
- Projectile for throwing shot-lines. D. Buod. No. 896,687; Aug. 18; Sp. p. 3789; Dr. p. 818; Gaz. vol. 135; p. 1561.
- Projectile-loading. G. W. Gentieu. No. 899,523; Sept. 29; Sp. p. 4494; Dr. p. 965; Gaz. vol. 136; p. 864.
- Projectile, Submarine. T. Tucker. No. 882,980; Mar. 24; Sp. p. 4951; Dr. p. 1053; Gaz. vol. 133; p. 910.
- Projectile-time fuse. H. Maxim. No. 904,492; Nov. 17; Sp. p. 4027; Gaz. vol. 137; p. 710.
- Projecting-apparatus screen. A. L. Simpson. No. 890,101; June 9; Sp. p. 1811; Dr. p. 400; Gaz. vol. 134; p. 1379.
- Projection apparatus. U. Blatter. No. 877,041; Jan. 21; Sp. p. 2802; Dr. p. 605; Gaz. vol. 132; p. 523.
- Projection apparatus, Dissolving attachment for. W. L. Patterson. No. 887,839; May 19; Sp. p. 3065; Dr. p. 644; Gaz. vol. 134; p. 554.
- Projector. C. E. Lord. No. 881,597; Mar. 10; Sp. p. 2192; Dr. p. 478; Gaz. vol. 133; p. 399.
- Projector. J. Minor. No. 907,517; Dec. 22; Sp. p. 4675; Gaz. vol. 137; p. 1854.
- Propeller. O. C. Gilbert. No. 875,799; Jan. 7; Sp. p. 234; Dr. pp. 50-1; Gaz. vol. 132; p. 43.
- Propeller. A. Standau. No. 879,689; Feb. 18; Sp. p. 3708; Dr. p. 776; Gaz. vol. 132; p. 1509.
- Propeller. A. Gnaggy. No. 885,038; Apr. 21; Sp. p. 2803; Dr. p. 593; Gaz. vol. 133; p. 1698.
- Propeller. C. W. Hopkins. No. 885,250; Apr. 21; Sp. p. 3264; Dr. p. 681; Gaz. vol. 133; p. 1768.
- Propeller. F. S. Parsons and W. P. Kelley. No. 891,093; June 16; Sp. p. 3853; Dr. p. 842; Gaz. vol. 134; p. 1735.
- Propeller. A. T. Phillips. No. 891,728; June 23; Sp. p. 5170; Dr. p. 1116; Gaz. vol. 134; p. 1975.
- Propeller. W. S. Hull. No. 896,833; Aug. 25; Sp. p. 4121; Dr. p. 884; Gaz. vol. 135; p. 1635.
- Propeller-adjusting device. W. E. Blair. No. 897,341; Sept. 1; Sp. p. 189; Dr. p. 40; Gaz. vol. 136; p. 28.
- Propeller, Boat-. L. C. Butler. No. 898,551; Sept. 15; Sp. p. 2650; Dr. p. 567; Gaz. vol. 136; p. 487.
- Propeller, Boat-. R. Adnson. No. 902,362; Oct. 27; Sp. p. 4805; Dr. p. 970; Gaz. vol. 136; p. 1915.
- Propeller, Fish-tail. F. S. Merrow. No. 886,369; May 5; Sp. p. 95; Dr. p. 19; Gaz. vol. 134; p. 21.
- Propeller for air-ships. P. S. Davies. No. 903,060; Nov. 3; Sp. p. 1061; Gaz. vol. 137; p. 173.
- Propeller, Hand-power. J. C. Weir. No. 878,845; Feb. 11; Sp. p. 1991; Dr. p. 413; Gaz. vol. 132; p. 1195.
- Propeller, Reciprocating. W. Dawson. No. 884,474; Apr. 14; Sp. p. 1627; Dr. p. 351; Gaz. vol. 133; p. 1482.
- Propeller, Screw-. R. E. Coon. No. 881,775; Mar. 10; Sp. p. 2538; Dr. p. 546; Gaz. vol. 133; p. 453.
- Propeller, Screw-. T. F. J. Truss. No. 885,109; Apr. 21; Sp. p. 2945; Dr. p. 624; Gaz. vol. 133; p. 1720.
- Propeller, Screw-. D. W. Taylor. No. 900,797; Oct. 13; Sp. p. 1543; Dr. p. 314; Gaz. vol. 136; p. 1338.
- Propeller, Ship-. C. J. H. Flindt. No. 881,393; Mar. 10; Sp. p. 1804; Dr. p. 390; Gaz. vol. 133; p. 331.
- Propeller, Ship's. P. Filippi. No. 890,973; June 16; Sp. p. 3642; Dr. p. 793; Gaz. vol. 134; p. 1697.
- Propeller, Speed-controlling reversing-. C. F. Roper. No. 878,022; Feb. 4; Sp. p. 272; Dr. p. 58; Gaz. vol. 132; p. 892.
- Propeller, Steering-. H. L. Ward. No. 887,986; May 19; Sp. p. 3532; Dr. p. 703; Gaz. vol. 134; p. 603.
- Propeller-wheel. H. J. Perkins. No. 885,174; Apr. 21; Sp. p. 3104; Dr. p. 654; Gaz. vol. 133; p. 1742.
- Propeller-wheel. L. J. H. Voss. No. 887,156; May 12; Sp. p. 1613; Dr. p. 342; Gaz. vol. 134; p. 297.
- Propeller-wheel. G. B. Davis. No. 896,087; Aug. 18; Sp. p. 2615; Dr. p. 566; Gaz. vol. 135; p. 1371.
- Propeller-wheel. R. Thaler. No. 906,337; Dec. 8; Sp. p. 2398; Gaz. vol. 137; p. 1412.
- Propeller-wheel, Reversible. C. Sintz. No. 878,095; Feb. 4; Sp. p. 408; Dr. p. 86; Gaz. vol. 132; p. 914.
- Propeller-wheel, Reversible. C. Sintz. No. 907,298; Dec. 22; Sp. p. 4249; Gaz. vol. 137; p. 1782.
- Propellers and propeller-blades, Apparatus for machining helical surfaces, such as those of. W. N. Venner. No. 900,804; Oct. 13; Sp. p. 1563; Dr. pp. 316-17; Gaz. vol. 136; p. 1341.
- Propelling apparatus, Boat-. J. A. McIlwee. No. 876,385; Jan. 14; Sp. p. 1395; Dr. p. 301; Gaz. vol. 132; p. 261.
- Propelling apparatus, Boat-. J. E. Carroll. No. 888,586; May 26; Sp. p. 4523; Dr. p. 900; Gaz. vol. 134; p. 829.
- Propelling apparatus, Vessel-. A. Ahlbrecht. No. 888,053; May 19; Sp. p. 3475; Dr. p. 728; Gaz. vol. 134; p. 623.
- Propelling device, Boat-. J. A. Walker. No. 894,412; July 28; Sp. p. 4268; Dr. pp. 880-1; Gaz. vol. 135; p. 748.
- Propelling device for ships. W. Lovis. No. 887,486; May 12; Sp. p. 2373; Dr. p. 498; Gaz. vol. 134; p. 407.
- Propelling-gear and other apparatus on shipboard from air used for facilitating the propulsion, Protecting. G. Quanonne. No. 904,992; Nov. 24; Sp. p. 5065; Gaz. vol. 137; p. 903.
- Propelling machinery, Vessel-. G. Dalen. No. 888,390; May 19; Sp. p. 4106; Dr. p. 866; Gaz. vol. 134; p. 731.
- Propelling mechanism. R. H. Bowman. No. 898,626; Sept. 15; Sp. p. 2792; Dr. pp. 597-8; Gaz. vol. 136; p. 511.
- Propelling ships, Means for. W. Bethany. No. 881,537; Mar. 10; Sp. p. 2073; Dr. p. 453; Gaz. vol. 133; p. 377.
- Propelling vessels, Means for. M. F. Maus. No. 876,470; Jan. 14; Sp. p. 1581; Dr. pp. 339-40; Gaz. vol. 132; p. 290.
- Proportional meter. E. E. Clark. No. 887,772; May 19; Sp. p. 2922; Dr. p. 616; Gaz. vol. 134; p. 531.
- Propulsion, Boat. A. T. Ronstrom. No. 892,454; July 7; Sp. p. 127; Dr. p. 28; Gaz. vol. 135; p. 26.
- Propulsion, Marine. A. E. Beebe. No. 876,133; Jan. 7; Sp. p. 878; Dr. p. 189; Gaz. vol. 132; p. 148.
- Propulsion, Marine. Y. Wadagaki. No. 899,359; Sept. 22; Sp. p. 4180; Dr. p. 895; Gaz. vol. 136; p. 775.
- Propulsion, Mechanism for boat. H. S. Searle. No. 879,497; Feb. 18; Sp. p. 3297; Dr. p. 690; Gaz. vol. 132; p. 1446.

Alphabetical list of inventions—Continued.

- Propulsion of ships. E. J. Duff. No. 884,079; Apr. 7; Sp. p. 824; Dr. pp. 173-4; Gaz. vol. 133; p. 1325.
 Propulsion of submarine boats. G. F. Jaubert. No. 881,803; Mar. 10; Sp. p. 2597; Dr. pp. 558-9; Gaz. vol. 133; p. 463.
 Propulsion of vessels. G. Pertot. No. 886,850; May 5; Sp. p. 1040; Dr. p. 219; Gaz. vol. 134; p. 171.
 Propulsion system, Ship-. C. A. Parsons. No. 902,996; Nov. 3; Sp. p. 940; Gaz. vol. 137; p. 155.
 Prospecting-drill. A. W. Johanson. No. 903,194; Nov. 10; Sp. p. 1318; Gaz. vol. 137; p. 246.
 Protected iron. J. J. Bradley. No. 900,655; Oct. 6; Sp. p. 1254; Dr. p. 256; Gaz. vol. 136; p. 1265.
 Protective apparatus, Arrangement of. H. L. Van Valkenburg. No. 899,358; Sept. 22; Sp. p. 4178; Dr. p. 894; Gaz. vol. 136; p. 775.
 Protective device. K. Kuhlmann. No. 888,241; May 19; Sp. p. 3819; Dr. p. 832; Gaz. vol. 134; p. 683.
 Protective device. E. Schattner. No. 894,705; July 28; Sp. p. 4836; Dr. p. 1005; Gaz. vol. 135; p. 844.
 Protectograph. J. Huizenga. No. 896,639; Aug. 18; Sp. p. 3686; Dr. pp. 791-2; Gaz. vol. 135; p. 1547.
 Proteids with bismuth iodid, Manufacturing new compounds of. A. Busch. No. 898,311; Sept. 8; Sp. p. 2170; Gaz. vol. 136; p. 375.
 Protocetechnic aldehyde, Manufacturing. G. Stalman. No. 886,085; Apr. 23; Sp. p. 4977; Gaz. vol. 133; p. 2067.
 Protractor. J. A. Grenier. No. 886,695; May 5; Sp. p. 723; Dr. p. 148; Gaz. vol. 134; p. 122.
 Protractor. H. O. Losch. No. 901,113; Oct. 13; Sp. p. 2187; Dr. p. 444; Gaz. vol. 136; p. 1439.
 Protractor and level, Combined. H. E. Gregory. No. 883,798; Apr. 7; Sp. p. 246; Dr. p. 44; Gaz. vol. 133; p. 1231.
 Protractor and parallel-ruler, Combined. C. J. H. Grant. No. 895,258; Aug. 4; Sp. p. 980; Dr. p. 205; Gaz. vol. 135; p. 1056.
 Protractor or divider. D. M. Campana. No. 902,645; Nov. 3; Sp. p. 225; Gaz. vol. 137; p. 38.
 Protractor, square, &c., Transformable. A. L. Darr. No. 876,042; Jan. 7; Sp. p. 688; Dr. p. 147; Gaz. vol. 132; p. 119.
 Provision-rack. C. H. Boeck. No. 891,660; June 23; Sp. p. 5048; Dr. p. 1088; Gaz. vol. 134; p. 1954.
 Pruner. T. J. Litzelman. No. 907,065; Dec. 15; Sp. p. 3741; Gaz. vol. 137; p. 1666.
 Pruner, Hand-. T. J. Litzelman. No. 907,064; Dec. 15; Sp. p. 3739; Gaz. vol. 137; p. 1666.
 Pruning implement. W. H. Gerfin. No. 882,781; Mar. 24; Sp. p. 4540; Dr. p. 969; Gaz. vol. 133; p. 843.
 Pruning implement. B. F. Talley. No. 899,687; Sept. 29; Sp. p. 4835; Dr. p. 1035; Gaz. vol. 136; p. 917.
 Pruning instrument. S. P. Hayward. No. 888,495; May 26; Sp. p. 4344; Dr. p. 919; Gaz. vol. 134; p. 796.
 Pruning-shears. A. F. Mischke. No. 879,882; Feb. 25; Sp. p. 4115; Dr. p. 863; Gaz. vol. 132; p. 1604.
 Pruning-shears. G. N. Mulertz. No. 887,494; May 12; Sp. p. 2389; Dr. pp. 502-3; Gaz. vol. 134; p. 410.
 Pruning-shears. L. Siegel and J. Becker. No. 893,023; July 14; Sp. p. 1294; Dr. p. 272; Gaz. vol. 135; p. 241.
 Puddling-furnace, Oscillating. J. P. Roe. No. 881,342; Mar. 10; Sp. p. 1688; Dr. pp. 364-5; Gaz. vol. 133; p. 315.
 Puff-comb. W. S. Bechtold. No. 886,034; Apr. 28; Sp. p. 4897; Dr. pp. 1029-30; Gaz. vol. 133; p. 2051.
 Pull-support. J. D. Campbell. No. 894,186; July 28; Sp. p. 3781; Dr. p. 783; Gaz. vol. 135; p. 673.
 Puller; *See* Bean-puller; Beet-puller; Cork-puller; Grass-puller; Nail-puller; Pipe and post puller; Root-puller; Spike-puller; Spoke-puller; Stalk-puller; Staple-puller; Stump-puller; Stump and root puller; Stump and tree puller; Tack-puller; Tack and nail puller; Tack and staple puller; Weed-puller.
 Pulling-machine. H. Bickel. No. 899,943; Sept. 29; Sp. p. 5390; Dr. p. 1150; Gaz. vol. 136; p. 1000.
 Pulley. C. F. Foote. No. 878,054; Feb. 4; Sp. p. 332; Dr. p. 69; Gaz. vol. 132; p. 902.
 Pulley. W. Mayer. No. 886,831; May 5; Sp. p. 1009; Dr. p. 212; Gaz. vol. 134; p. 165.
 Pulley. T. A. Jones. No. 888,171; May 19; Sp. p. 3697; Dr. p. 771; Gaz. vol. 134; p. 660.
 Pulley. C. Gabel. No. 892,244; June 30; Sp. p. 6197; Dr. p. 1335; Gaz. vol. 134; p. 2177.
 Pulley. C. F. Murray. No. 899,754; Sept. 29; Sp. p. 4978; Dr. p. 1067; Gaz. vol. 136; p. 940.
 Pulley. C. C. Campbell. No. 900,481; Oct. 6; Sp. p. 872; Dr. p. 178; Gaz. vol. 136; p. 1208.
 Pulley. E. W. Cunningham. No. 904,685; Nov. 24; Sp. p. 4413; Gaz. vol. 137; p. 801.
 Pulley. C. M. Swanson. No. 905,019; Nov. 24; Sp. p. 5128; Gaz. vol. 137; p. 913.
 Pulley. J. T. Morrison. No. 907,082; Dec. 15; Sp. p. 3771; Gaz. vol. 137; p. 1671.
 Pulley. J. R. Golden. No. 907,781; Dec. 29; Sp. p. 5263; Gaz. vol. 137; p. 1971.
 Pulley, Adjustable guide-. E. Croasdale. No. 904,757; Nov. 24; Sp. p. 4567; Gaz. vol. 137; p. 825.
 Pulley-block. B. W. Hammond. No. 876,176; Jan. 7; Sp. p. 952; Dr. p. 205; Gaz. vol. 132; p. 162.
 Pulley-block. C. I. Scott. No. 879,680; Feb. 18; Sp. p. 3689; Dr. p. 772; Gaz. vol. 132; p. 156.
 Pulley-block. A. Opsal. (Reissue.) No. 42,776; Apr. 7; Sp. p. 1382; Dr. p. 295; Gaz. vol. 133; p. 1413.
 Pulley-block. A. H. Neller. No. 892,678; July 7; Sp. p. 558; Dr. p. 117; Gaz. vol. 135; p. 98.
 Pulley-block. W. N. Head. No. 905,309; Dec. 1; Sp. p. 344; Gaz. vol. 137; p. 1044.
 Pulley-block. J. W. Carlson. No. 907,004; Dec. 15; Sp. p. 3631; Gaz. vol. 137; p. 1646.
 Pulley-casing, Sheet-metal. F. E. Sloan. No. 898,275; Sept. 8; Sp. p. 2105; Dr. p. 448; Gaz. vol. 136; p. 364.
 Pulley-casings, Making sheet-metal. F. E. Sloan. No. 898,276; Sept. 8; Sp. p. 2106; Dr. p. 448; Gaz. vol. 136; p. 365.
 Pulley, Clutch-. W. Baumgardner. No. 897,704; Sept. 1; Sp. p. 939; Dr. p. 200; Gaz. vol. 136; p. 151.
 Pulley, Clutch-. W. Duerr. No. 901,603; Oct. 20; Sp. p. 3214; Dr. p. 659; Gaz. vol. 136; p. 1637.
 Pulley construction, Sheet-metal. F. Phillips. No. 888,845; May 26; Sp. p. 5083; Dr. p. 1085; Gaz. vol. 134; p. 912.
 Pulley, Driving-. O. Hartmann. No. 895,855; Aug. 11; Sp. p. 2168; Dr. p. 460; Gaz. vol. 135; p. 1273.
 Pulley, Expandable. E. E. Rosewarne. No. 896,160; Aug. 18; Sp. p. 2734; Dr. p. 589; Gaz. vol. 135; p. 1391.
 Pulley, Expandable. C. F. Benjamin. No. 896,267; Aug. 18; Sp. p. 2945; Dr. pp. 634-5; Gaz. vol. 135; p. 1429.
 Pulley, Friction-. H. H. Ballet. No. 882,444; Mar. 17; Sp. p. 3875; Dr. pp. 827-8; Gaz. vol. 133; p. 701.
 Pulley, Friction clutch-. J. Gilson. No. 875,800; Jan. 7; Sp. p. 237; Dr. p. 51; Gaz. vol. 132; p. 44.
 Pulley, Gripping-. F. H. Frost and W. A. Reese. No. 888,702; May 26; Sp. p. 4778; Dr. p. 1017; Gaz. vol. 134; p. 867.
 Pulley, Hoisting-. H. A. Myers. No. 876,991; Jan. 21; Sp. p. 2679; Dr. p. 583; Gaz. vol. 132; p. 504.
 Pulley-housing. C. A. Brinley. No. 893,777; July 21; Sp. p. 2922; Dr. p. 598; Gaz. vol. 135; p. 518.
 Pulley housing, Sash-. C. A. Brinley. No. 893,778; July 21; Sp. p. 2924; Dr. p. 599; Gaz. vol. 135; p. 519.
 Pulley-lift, Automatic safety. F. W. Carter. No. 898,318; Sept. 8; Sp. p. 2182; Dr. p. 463; Gaz. vol. 136; p. 377.
 Pulley-line tightener. J. H. Bowers. No. 894,584; July 28; Sp. p. 4599; Dr. p. 954; Gaz. vol. 135; p. 804.
 Pulley, Locking-. P. A. Nelson. No. 887,344; May 12; Sp. p. 2060; Dr. p. 431; Gaz. vol. 134; p. 361.
 Pulley, Loose. C. M. Swanson. No. 882,028; Mar. 17; Sp. p. 3110; Dr. p. 661; Gaz. vol. 133; p. 566.
 Pulley-lubricating device. R. R. Yohe. No. 903,259; Nov. 10; Sp. p. 1455; Gaz. vol. 137; p. 268.
 Pulley or wheel. L. Zamboni. No. 893,889; July 21; Sp. p. 3153; Dr. p. 648; Gaz. vol. 135; p. 554.
 Pulley or wheel. J. T. Duff. No. 905,803; Dec. 1; Sp. p. 1365; Gaz. vol. 137; p. 1207.
 Pulley, Ratchet-cylinder. A. Leatherman. No. 885,060; Apr. 21; Sp. p. 2847; Dr. p. 605; Gaz. vol. 133; p. 1705.
 Pulley, Self-oiling loose. H. A. Davis. No. 903,960; Nov. 17; Sp. p. 2895; Gaz. vol. 137; p. 529.
 Pulley, Sling-. J. M. Boyd. No. 888,866; May 26; Sp. p. 5121; Dr. p. 1092; Gaz. vol. 134; p. 919.
 Pulley, Split sheet-metal. L. A. Biggar. No. 878,602; Feb. 11; Sp. p. 1530; Dr. p. 312; Gaz. vol. 132; p. 1117.
 Pulley-sustaining hanger. F. C. Stevens. No. 880,415; Feb. 25; Sp. p. 5205; Dr. p. 1097; Gaz. vol. 132; p. 1781.
 Pulley, Variable-speed. A. M. Campbell and A. F. Golding. No. 889,902; June 9; Sp. p. 1399; Dr. p. 318; Gaz. vol. 134; p. 1310.
 Pulleys, Self-lubricating bushing for. C. A. Petersen. No. 902,831; Nov. 3; Sp. p. 598; Gaz. vol. 137; p. 101.
 Pulp and paper, Apparatus for reclaiming matter discharged in the manufacture of. J. M. Dohan. No. 881,383; Mar. 10; Sp. p. 1787; Dr. p. 386; Gaz. vol. 133; p. 328.
 Pulp articles, Apparatus for making. M. L. Keyes. No. 903,869; Nov. 17; Sp. p. 2703; Gaz. vol. 137; p. 498.
 Pulp articles, Apparatus for molding. W. A. Lorenz. No. 877,579; Jan. 28; Sp. p. 3887; Dr. pp. 843-4; Gaz. vol. 132; p. 720.
 Pulp articles, Joint for machines for molding. M. L. Keyes. No. 903,870; Nov. 17; Sp. p. 2707; Gaz. vol. 137; p. 499.
 Pulp-classifier. A. G. Kirby. No. 895,092; Aug. 4; Sp. p. 632; Dr. p. 131; Gaz. vol. 135; p. 999.
 Pulp-drier. H. A. Vallez. No. 905,252; Dec. 1; Sp. p. 252; Gaz. vol. 137; p. 1026.
 Pulp fiber, Machine for forming articles from. F. C. Emrick. No. 891,331; June 23; Sp. p. 4347; Dr. pp. 947-9; Gaz. vol. 134; p. 1845.
 Pulp-flow-box shower device. G. H. Blanchard. No. 883,060; May 19; Sp. p. 3485; Dr. p. 730; Gaz. vol. 134; p. 625.
 Pulp-grinding apparatus, Wood-. K. Gevers. No. 875,705; Jan. 7; Sp. p. 52; Dr. p. 11; Gaz. vol. 132; p. 12.
 Pulp-machine. M. Hanson. No. 901,168; Oct. 13; Sp. p. 2277; Dr. p. 464; Gaz. vol. 136; p. 1457.
 Pulp or jute boards and the product thereof, Making waterproof wood-. C. B. Jameson. No. 889,235; June 2; Sp. p. 87; Dr. p. 20; Gaz. vol. 134; p. 1072.
 Pulp or paper machine. G. M. Galt. No. 891,985; June 30; Sp. p. 5715; Dr. p. 1229; Gaz. vol. 134; p. 2094.
 Pulp or paper making machines, Hydraulic pressing device for application to the press-rolls of. J. L. Coenen. No. 900,985; Oct. 13; Sp. p. 1944; Dr. p. 396; Gaz. vol. 136; p. 1399.
 Pulp-treating apparatus. A. S. Caldwell. No. 886,186; Apr. 28; Sp. p. 5168; Dr. pp. 1087-8; Gaz. vol. 133; p. 2100.
 Pulp-wood, Floating crib for transportation of. G. F. Rowe and J. F. Johnston. No. 902,253; Oct. 27; Sp. p. 4559; Dr. p. 925; Gaz. vol. 136; p. 1876.
 Pulping-engine. J. Nuttall. No. 897,225; Aug. 25; Sp. p. 4951; Dr. p. 1051; Gaz. vol. 135; p. 1764.
 Pulverizer. J. N. Lewis and C. Stecher. No. 887,047; May 5; Sp. p. 1402; Dr. pp. 297-8; Gaz. vol. 134; p. 233.
 Pulverizer. E. A. Evans and D. Tilley. No. 891,471; June 23; Sp. p. 4628; Dr. p. 1005; Gaz. vol. 134; p. 1892.
 Pulverizer. J. Vandegriff. No. 895,917; Aug. 11; Sp. p. 2277; Dr. p. 486; Gaz. vol. 135; p. 1293.
 Pulverizer, Centrifugal-impact dry. L. C. Graupner. No. 878,878; Feb. 11; Sp. p. 2059; Dr. p. 427; Gaz. vol. 132; p. 1206.

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- Pulverizer, Clod-. W. Devoll. No. 896,090; Aug. 18; Sp. p. 2618; Dr. p. 567; Gaz. vol. 135; p. 1372.
- Pulverizer, Rolling. J. F. Dearing. No. 895,731; Aug. 11; Sp. p. 1919; Dr. p. 407; Gaz. vol. 135; p. 1234.
- Pulverizer, Soil-. S. J. Hardin and B. F. Norcross. No. 881,681; Mar. 10; Sp. p. 2360; Dr. p. 511; Gaz. vol. 133; p. 424.
- Pulverizer, Soil-. J. M. Sivadié. No. 897,310; Sept. 1; Sp. p. 76; Dr. p. 19; Gaz. vol. 136; p. 16.
- Pulverizer, Soil-. S. D. Beum. No. 900,822; Oct. 13; Sp. p. 1607; Dr. p. 326; Gaz. vol. 136; p. 1347.
- Pulverizing machine, Ore-. F. W. Thomson. No. 896,954; Aug. 25; Sp. p. 4309; Dr. p. 941; Gaz. vol. 135; p. 1675.
- Pulverizing-mill. L. D. York. No. 885,211; Apr. 21; Sp. p. 3191; Dr. p. 667; Gaz. vol. 133; p. 1755.
- Pulverizing-mills, Mortar for. J. Lavagnino. No. 876,812; Jan. 14; Sp. p. 2271; Dr. p. 499; Gaz. vol. 132; p. 404.
- Pulverizing or grinding mill. J. W. Fuller, Jr. No. 888,077; May 19; Sp. p. 3514; Dr. p. 735; Gaz. vol. 134; p. 630.
- Pulverulent material, Producing solid hard pieces from. L. Weiss. No. 899,581; Sept. 29; Sp. p. 4623; Gaz. vol. 136; p. 884.
- Pump. C. E. Pfender. No. 876,231; Jan. 7; Sp. p. 1060; Dr. p. 229; Gaz. vol. 131; p. 179.
- Pump. S. R. Blanchard. No. 876,618; Jan. 14; Sp. p. 1924; Dr. p. 420; Gaz. vol. 132; p. 343.
- Pump. L. K. Doelling. No. 877,492; Jan. 28; Sp. p. 3698; Dr. p. 802; Gaz. vol. 132; p. 691.
- Pump. O. M. Patterson. No. 877,661; Jan. 28; Sp. p. 4051; Dr. p. 876; Gaz. vol. 132; p. 746.
- Pump. J. A. Elliott. No. 878,052; Feb. 4; Sp. p. 330; Dr. p. 69; Gaz. vol. 132; p. 901.
- Pump. M. J. Henry. No. 878,389; Feb. 4; Sp. p. 998; Dr. p. 201; Gaz. vol. 132; p. 1012.
- Pump. M. Pollatschek. No. 880,039; Feb. 25; Sp. p. 4457; Dr. p. 935; Gaz. vol. 132; p. 1657.
- Pump. G. Grace. No. 880,137; Feb. 25; Sp. p. 4637; Dr. pp. 978-9; Gaz. vol. 132; p. 1688.
- Pump. P. A. Myers. No. 881,254; Mar. 10; Sp. p. 1523; Dr. p. 327; Gaz. vol. 133; p. 287.
- Pump. M. Latta. No. 882,524; Mar. 17; Sp. p. 4044; Dr. p. 861; Gaz. vol. 133; p. 729.
- Pump. J. Desmond. No. 882,874; Mar. 24; Sp. p. 4747; Dr. p. 1009; Gaz. vol. 133; p. 875.
- Pump. G. Sippert. No. 883,496; Mar. 31; Sp. p. 6025; Dr. p. 1286; Gaz. vol. 133; p. 1110.
- Pump. G. W. Curvin. No. 883,864; Apr. 7; Sp. p. 394; Dr. pp. 76-7; Gaz. vol. 133; p. 1253.
- Pump. W. von Oechelhaeuser and C. Steinbecker. No. 884,291; Apr. 7; Sp. p. 1261; Dr. p. 265; Gaz. vol. 133; p. 1393.
- Pump. H. G. Riebenack. No. 886,863; May 5; Sp. p. 1059; Dr. p. 223; Gaz. vol. 134; p. 174.
- Pump. J. W. Anderson. No. 886,916; May 5; Sp. p. 1161; Dr. p. 244; Gaz. vol. 134; p. 191.
- Pump. F. H. Whitcomb. No. 887,892; May 19; Sp. p. 3173; Dr. p. 668; Gaz. vol. 134; p. 572.
- Pump. P. Yver. No. 887,993; May 19; Sp. p. 3366; Dr. p. 707; Gaz. vol. 134; p. 605.
- Pump. J. W. Bagby. No. 888,574; May 26; Sp. p. 4506; Dr. p. 955; Gaz. vol. 134; p. 825.
- Pump. L. Benson and W. Abrams. No. 889,430; June 2; Sp. p. 474; Dr. p. 113; Gaz. vol. 134; p. 1135.
- Pump. H. Cline. No. 890,962; June 16; Sp. p. 3624; Dr. p. 788; Gaz. vol. 134; p. 1693.
- Pump. G. Grussendorf. No. 892,150; June 30; Sp. p. 6022; Dr. p. 1294; Gaz. vol. 134; p. 2145.
- Pump. J. T. Ramsden. No. 893,543; July 14; Sp. p. 2351; Dr. p. 492; Gaz. vol. 135; p. 411.
- Pump. D. E. and G. C. Clayton. No. 897,963; Sept. 8; Sp. p. 1510; Dr. p. 320; Gaz. vol. 136; p. 267.
- Pump. W. H. Heard. No. 898,471; Sept. 15; Sp. p. 2487; Dr. p. 532; Gaz. vol. 136; p. 460.
- Pump. J. H. Champ. No. 899,513; Sept. 29; Sp. p. 4474; Dr. pp. 960-1; Gaz. vol. 136; p. 861.
- Pump. S. R. Blanchard. No. 899,784; Sept. 29; Sp. p. 5053; Dr. p. 1083; Gaz. vol. 136; p. 951.
- Pump, &c. F. W. Machlet. No. 902,501; Oct. 27; Sp. p. 5116; Dr. pp. 1035-6; Gaz. vol. 136; p. 1961.
- Pump. C. J. Hartley. No. 903,084; Nov. 3; Sp. p. 1110; Gaz. vol. 137; p. 180.
- Pump. H. C. Lyons, C. R. Clark, and W. T. McLean. No. 904,209; Nov. 17; Sp. p. 3421; Gaz. vol. 137; p. 615.
- Pump. J. E. Sharpe. No. 904,235; Nov. 17; Sp. p. 3492; Gaz. vol. 137; p. 624.
- Pump. H. Braden and E. N. Agnew. No. 906,190; Dec. 8; Sp. p. 2114; Gaz. vol. 137; p. 1362.
- Pump. W. F. Hervey. No. 906,228; Dec. 8; Sp. p. 2193; Gaz. vol. 137; p. 1375.
- Pump. L. B. De Hymel. No. 907,132; Dec. 22; Sp. p. 3900; Gaz. vol. 137; p. 1724.
- Pump. P. A. Myers. No. 907,164; Dec. 22; Sp. p. 3950; Gaz. vol. 137; p. 1734.
- Pump, Air-. J. B. Meriam. No. 880,746; Mar. 3; Sp. p. 525; Dr. p. 109; Gaz. vol. 133; p. 91.
- Pump, Air-. J. W. Siepermann and E. Fudickar. No. 885,301; Apr. 21; Sp. p. 3361; Dr. p. 703; Gaz. vol. 133; p. 1784.
- Pump, Air-. G. W. Kellogg. No. 885,485; Apr. 21; Sp. p. 3718; Dr. p. 782; Gaz. vol. 133; p. 1843.
- Pump, Air-. O. J. Darling. No. 886,353; May 5; Sp. p. 26; Dr. p. 6; Gaz. vol. 134; p. 8.
- Pump, Air-. S. E. Spence. No. 888,762; May 26; Sp. p. 4891; Dr. p. 1042; Gaz. vol. 134; p. 886.
- Pump, Air-. G. F. Aborn. No. 892,974; July 14; Sp. p. 1183; Dr. p. 249; Gaz. vol. 135; p. 225.
- Pump, Air-. K. G. Johnston. No. 895,643; Aug. 11; Sp. p. 1727; Dr. p. 366; Gaz. vol. 135; p. 1204.
- Pump, Air-. C. A. Hague. No. 899,971; Sept. 29; Sp. p. 5442; Dr. p. 1160; Gaz. vol. 136; p. 1010.
- Pump, Air-. P. P. Bourne. No. 901,945; Oct. 27; Sp. p. 3926; Dr. p. 801; Gaz. vol. 136; p. 1779.
- Pump, Air-. A. S. Comstock. No. 903,543; Nov. 10; Sp. p. 2024; Gaz. vol. 137; p. 362.
- Pump, Air-. J. J. Gilday. No. 907,591; Dec. 22; Sp. p. 4838; Gaz. vol. 137; p. 1878.
- Pump, Air and like. D. B. Morison. No. 894,031; July 21; Sp. p. 3460; Dr. pp. 707-9; Gaz. vol. 135; p. 602.
- Pump, Air-compressing. S. Dahlberg. No. 904,940; Nov. 24; Sp. p. 4971; Gaz. vol. 137; p. 886.
- Pump, Air-lift. O. E. Harris. No. 886,053; Apr. 28; Sp. p. 4928; Dr. p. 1036; Gaz. vol. 133; p. 2057.
- Pump, Air-lift. W. F. Spangler. No. 898,015; Sept. 8; Sp. p. 1602; Dr. p. 342; Gaz. vol. 136; p. 283.
- Pump, Air or vacuum. W. M. Fleming. No. 881,116; Mar. 10; Sp. p. 1243; Dr. p. 267; Gaz. vol. 133; p. 241.
- Pump and bail, Sand. V. H. Palm. No. 880,462; Feb. 25; Sp. p. 5310; Dr. p. 1117; Gaz. vol. 132; p. 1798.
- Pump and compressor system, Combination. W. J. Richards. No. 906,659; Dec. 15; Sp. p. 2976; Gaz. vol. 137; p. 1537.
- Pump and the like. A. E. Davis. No. 900,357; Oct. 6; Sp. p. 592; Dr. pp. 122-3; Gaz. vol. 136; p. 1166.
- Pump and turbine, Centrifugal. E. S. G. Rees. No. 888,192; May 19; Sp. p. 3729; Dr. p. 782; Gaz. vol. 134; p. 667.
- Pump and water-wheel, Centrifugal. J. Pirki. No. 897,397; Sept. 1; Sp. p. 322; Dr. pp. 67-9; Gaz. vol. 136; p. 49.
- Pump and well curb, Combined. W. A. Crumly. No. 878,357; Feb. 4; Sp. p. 939; Dr. p. 187; Gaz. vol. 132; p. 1001.
- Pump attachment. F. Schlageck. No. 881,347; Mar. 10; Sp. p. 1696; Dr. p. 367; Gaz. vol. 133; p. 316.
- Pump attachment. J. Chad. No. 884,265; Apr. 7; Sp. p. 1221; Dr. p. 257; Gaz. vol. 133; p. 1386.
- Pump attachment. T. McNally. No. 889,325; June 2; Sp. p. 257; Dr. p. 63; Gaz. vol. 134; p. 1100.
- Pump, Automatic hydraulic. L. A. Laursen. No. 886,379; May 5; Sp. p. 73; Dr. p. 15; Gaz. vol. 134; p. 17.
- Pump, Balanced. D. M. McLaughlin. No. 877,583; Jan. 28; Sp. p. 3906; Dr. p. 845; Gaz. vol. 132; p. 721.
- Pump, Balanced. A. P. Smith. No. 885,798; Apr. 28; Sp. p. 4394; Dr. p. 920; Gaz. vol. 133; p. 1972.
- Pump, Bicycle-. J. S. Robinson. No. 903,780; Nov. 10; Sp. p. 2488; Gaz. vol. 137; p. 435.
- Pump, Bicycle-. H. C. Brooks. No. 905,642; Dec. 1; Sp. p. 1061; Gaz. vol. 137; p. 1154.
- Pump, blower, and the like, Centrifugal. N. K. F. Hanson. No. 877,191; Jan. 21; Sp. p. 3110; Dr. p. 673; Gaz. vol. 132; p. 572.
- Pump, Breast-. J. S. Gilbert. No. 890,975; June 16; Sp. p. 3644; Dr. p. 794; Gaz. vol. 134; p. 1697.
- Pump, Centrifugal. E. W. Brooks. No. 877,484; Jan. 28; Sp. p. 3679; Dr. p. 798; Gaz. vol. 132; p. 687.
- Pump, Centrifugal. W. H. Thorne. No. 878,256; Feb. 4; Sp. p. 745; Dr. p. 150; Gaz. vol. 132; p. 968.
- Pump, Centrifugal. L. R. Alberger. No. 880,956; Mar. 3; Sp. p. 944; Dr. p. 204; Gaz. vol. 133; p. 159.
- Pump, Centrifugal. S. V. Trent. No. 885,108; Apr. 21; Sp. p. 2943; Dr. p. 624; Gaz. vol. 133; p. 1720.
- Pump, Centrifugal. R. Salzer. No. 885,867; Apr. 21; Sp. p. 4522; Dr. p. 949; Gaz. vol. 133; p. 1995.
- Pump, Centrifugal. B. F. Welch. No. 889,164; May 26; Sp. p. 5742; Dr. pp. 1214-15; Gaz. vol. 134; p. 1017.
- Pump, Centrifugal. O. Goeriz. No. 890,355; June 9; Sp. p. 2354; Dr. pp. 519-20; Gaz. vol. 134; p. 1461.
- Pump, Centrifugal. S. Udstad. No. 895,604; Aug. 11; Sp. p. 1657; Dr. p. 350; Gaz. vol. 135; p. 1192.
- Pump, Centrifugal. R. Salzer. No. 896,585; Aug. 18; Sp. p. 3595; Dr. p. 773; Gaz. vol. 135; p. 1531.
- Pump, Centrifugal. J. G. Pfadt. No. 897,483; Sept. 1; Sp. p. 491; Dr. p. 104; Gaz. vol. 136; p. 78.
- Pump, Centrifugal. G. Sulzer. No. 900,966; Oct. 13; Sp. p. 1910; Dr. pp. 388-9; Gaz. vol. 136; p. 1333.
- Pump, Centrifugal. L. Bellot. No. 903,658; Nov. 10; Sp. p. 2256; Gaz. vol. 137; p. 398.
- Pump, Centrifugal. G. Hauff. No. 904,533; Nov. 24; Sp. p. 4113; Gaz. vol. 137; p. 750.
- Pump, Centrifugal. J. G. Pfadt. No. 907,869; Dec. 29; Sp. p. 5435; Gaz. vol. 137; p. 2000.
- Pump, Compound centrifugal. E. W. Brooks. No. 880,327; Feb. 25; Sp. p. 5017; Dr. p. 1059; Gaz. vol. 132; p. 1751.
- Pump, Compound-piston centrifugal. E. W. Brooks. No. 877,485; Jan. 28; Sp. p. 3683; Dr. p. 799; Gaz. vol. 132; p. 688.
- Pump, Condensing-apparatus. J. Astrom. No. 901,580; Oct. 20; Sp. p. 3176; Dr. p. 648; Gaz. vol. 136; p. 1630.
- Pump controller, Pneumatic-. E. W. Conkell. No. 899,101; Sept. 22; Sp. p. 3668; Dr. p. 785; Gaz. vol. 136; p. 692.
- Pump counterbalancing attachment. J. M. Wilson. No. 890,389; June 9; Sp. p. 2415; Dr. p. 533; Gaz. vol. 134; p. 1472.
- Pump counterbalancing device. G. C. Werner. No. 890,477; June 9; Sp. p. 2573; Dr. p. 569; Gaz. vol. 134; p. 1500.
- Pump-coupling. L. C. Hamel. No. 903,712; Nov. 10; Sp. p. 2355; Gaz. vol. 137; p. 414.
- Pump, Cream-. E. Lindblad. No. 893,741; July 21; Sp. p. 2849; Dr. p. 583; Gaz. vol. 135; p. 506.
- Pump curbs or frames, Fastening device for. R. T. Baker. No. 898,303; Sept. 8; Sp. p. 2159; Dr. p. 459; Gaz. vol. 136; p. 373.
- Pump, Deep-well cable-. H. C. Sillett. No. 892,093; June 30; Sp. p. 5893; Dr. p. 1269; Gaz. vol. 134; p. 2126.
- Pump, Double-acting power-. W. Kirkwood. No. 899,541; Sept. 29; Sp. p. 4533; Dr. p. 974; Gaz. vol. 136; p. 870.
- Pump, Double-acting wet-air. E. Josse. No. 893,746; Sept. 15; Sp. p. 3017; Dr. p. 646; Gaz. vol. 136; p. 549.

Alphabetical list of inventions—Continued.

- Pump, Double-suction. F. W. Baines. No. 905,046; Nov. 24; Sp. p. 5168; Gaz. vol. 137; p. 922.
- Pump driving mechanism. J. C. Whitmer. No. 877,276; Jan. 21; Sp. p. 3284; Dr. p. 710; Gaz. vol. 132; p. 601.
- Pump, Duplex. L. Willis. No. 901,138; Oct. 13; Sp. p. 2227; Dr. p. 453; Gaz. vol. 136; p. 1447.
- Pump, Duplex air-. J. Shourek. No. 886,428; May 5; Sp. p. 173; Dr. pp. 37-8; Gaz. vol. 134; p. 33.
- Pump for corrosive fluids. E. Morterud. No. 879,484; Feb. 18; Sp. p. 3272; Dr. p. 682; Gaz. vol. 132; p. 1442.
- Pump for explosive-engines, Oil-. W. K. Andrew. No. 883,849; Apr. 7; Sp. p. 361; Dr. p. 70; Gaz. vol. 133; p. 1248.
- Pump for gases, Rotary. C. Hoffmann. No. 878,528; Feb. 11; Sp. p. 1352; Dr. p. 275; Gaz. vol. 132; p. 1091.
- Pump for inflating pneumatic tires, Air-. O. Vadam. No. 893,038; July 14; Sp. p. 1327; Dr. p. 279; Gaz. vol. 135; p. 246.
- Pump for mine-shafts. R. Heidecke and O. Lellau. No. 904,870; Nov. 24; Sp. p. 4835; Gaz. vol. 137; p. 864.
- Pump for oil-wells. R. S. Futhy. No. 880,019; Feb. 25; Sp. p. 4401; Dr. p. 925; Gaz. vol. 132; p. 1650.
- Pump for oil-wells. A. G. Willard. No. 885,899; Apr. 28; Sp. p. 4578; Dr. p. 960; Gaz. vol. 133; p. 2006.
- Pump for pneumatic tires. H. M. Williams. No. 900,632; Oct. 6; Sp. p. 1203; Dr. pp. 246-7; Gaz. vol. 136; p. 1257.
- Pump for producing a vacuum or compressing gases, Multistage. A. Siegel. No. 897,498; Sept. 1; Sp. p. 527; Dr. p. 112; Gaz. vol. 136; p. 84.
- Pump for pumping liquids, Steam-. J. K. Sweeny. No. 886,440; May 5; Sp. p. 194; Dr. p. 42; Gaz. vol. 134; p. 37.
- Pump for street-cars and analogous purposes, Air-. W. A. Collins and W. Westbrook. No. 885,440; Apr. 21; Sp. p. 3642; Dr. p. 764; Gaz. vol. 133; p. 1829.
- Pump, Force-. W. H. Shafer. No. 884,769; Apr. 14; Sp. p. 2270; Dr. p. 477; Gaz. vol. 133; p. 1581.
- Pump, Force-feed lubricating-. J. Rice. No. 895,683; Aug. 11; Sp. p. 1811; Dr. pp. 385-6; Gaz. vol. 135; p. 1218.
- Pump, Gas-. R. Whitaker. No. 899,583; Sept. 29; Sp. p. 4627; Dr. p. 993; Gaz. vol. 136; p. 885.
- Pump, Gas-. R. Whitaker. No. 899,585; Sept. 29; Sp. p. 4631; Dr. p. 994; Gaz. vol. 136; p. 886.
- Pump, Gear-. J. G. Callan. No. 883,931; Apr. 7; Sp. p. 526; Dr. p. 103; Gaz. vol. 133; p. 1276.
- Pump-governor, Electric. W. V. Turner. No. 879,699; Feb. 18; Sp. p. 3726; Dr. p. 782; Gaz. vol. 132; p. 1512.
- Pump handle and top. C. L. Kenyon. No. 903,009; Dec. 29; Sp. p. 5746; Gaz. vol. 137; p. 2045.
- Pump, High-lift centrifugal. C. Lager. No. 897,469; Sept. 1; Sp. p. 470; Dr. p. 100; Gaz. vol. 136; p. 75.
- Pump, Hydraulic. D. J. Jarvis. No. 892,160; June 30; Sp. p. 6037; Dr. pp. 1298-9; Gaz. vol. 134; p. 2149.
- Pump, Hydraulic. J. W. Nelson. No. 899,463; Sept. 22; Sp. p. 4359; Dr. p. 936; Gaz. vol. 136; p. 807.
- Pump, Hydraulic. J. W. Nelson. No. 904,557; Nov. 24; Sp. p. 4159; Gaz. vol. 137; p. 758.
- Pump, Hydraulic air-. J. B. Ridout. No. 898,264; Sept. 8; Sp. p. 2085; Dr. p. 443; Gaz. vol. 136; p. 360.
- Pump, Hydraulic air-. A. S. Gray. No. 907,341; Dec. 22; Sp. p. 4321; Gaz. vol. 137; p. 1795.
- Pump, Hydraulic-pressure. J. W. Nelson. No. 895,666; Aug. 11; Sp. p. 1779; Dr. p. 378; Gaz. vol. 135; p. 1212.
- Pump-kettle. P. Dehne. No. 890,412; June 9; Sp. p. 2457; Dr. p. 544; Gaz. vol. 134; p. 1479.
- Pump, Lubricating-. J. S. Ward. No. 893,118; July 14; Sp. p. 1480; Dr. pp. 312-13; Gaz. vol. 135; p. 272.
- Pump, Lubricating-. J. S. Ward. No. 893,119; July 14; Sp. p. 1484; Dr. p. 313; Gaz. vol. 135; p. 273.
- Pump, Lubricating-. C. Lang. No. 905,717; Dec. 1; Sp. p. 1188; Gaz. vol. 137; p. 1177.
- Pump lubricator, Oil-. L. Kassander and E. A. Kelsey. No. 908,274; Dec. 29; Sp. p. 6298; Gaz. vol. 137; p. 2134.
- Pump, Multiple-impeller. A. E. Guy. No. 907,040; Dec. 15; Sp. p. 3697; Gaz. vol. 137; p. 1658.
- Pump, Multistage centrifugal. C. Lager. No. 890,662; June 16; Sp. p. 2977; Dr. pp. 652-3; Gaz. vol. 134; p. 1594.
- Pump, Multistage centrifugal. H. Keller. No. 901,450; Oct. 20; Sp. p. 2909; Dr. p. 592; Gaz. vol. 136; p. 1587.
- Pump, Oil-. D. F. Coldewei. No. 876,622; Jan. 14; Sp. p. 1932; Dr. p. 422; Gaz. vol. 132; p. 344.
- Pump, Oil-. R. Huff. No. 904,434; Nov. 17; Sp. p. 3885; Gaz. vol. 137; p. 690.
- Pump, Oil-well. W. Wallace. No. 876,118; Jan. 7; Sp. p. 844; Dr. p. 181; Gaz. vol. 132; p. 143.
- Pump, Oil-well. C. Dickinson. No. 901,282; Oct. 13; Sp. p. 2505; Dr. p. 514; Gaz. vol. 136; p. 1493.
- Pump operated by compressed air. D. W. Starrett. No. 876,848; Jan. 14; Sp. p. 2351; Dr. p. 515; Gaz. vol. 132; p. 415.
- Pump operated by compressed air. D. W. Starrett. No. 876,849; Jan. 14; Sp. p. 2352; Dr. p. 515; Gaz. vol. 132; p. 416.
- Pump-operating mechanism. S. P. Pickett and L. D. Sanders. No. 903,312; Nov. 10; Sp. p. 1546; Gaz. vol. 137; p. 285.
- Pump-operating mechanism. F. G. Bascolo. No. 907,452; Dec. 22; Sp. p. 4560; Gaz. vol. 137; p. 1834.
- Pump operating with auxiliary turbines, Rotary or centrifugal. H. Lüdwig. No. 879,059; Feb. 11; Sp. p. 2386; Dr. p. 500; Gaz. vol. 132; p. 1262.
- Pump or fan, Centrifugal. O. Krell. No. 905,712; Dec. 1; Sp. p. 1182; Gaz. vol. 137; p. 1175.
- Pump or inflater, Air-. F. S. Nickells. No. 896,933; Aug. 25; Sp. p. 4346; Dr. pp. 931-2; Gaz. vol. 135; p. 1669.
- Pump, Painting or whitewashing. E. Brinkman. No. 894,112; July 21; Sp. p. 3611; Dr. p. 744; Gaz. vol. 135; p. 629.
- Pump-piston. T. Turner. No. 889,275; June 2; Sp. p. 162; Dr. p. 40; Gaz. vol. 134; p. 1084.
- Pump-piston. C. A. Killian. No. 892,594; July 7; Sp. p. 385; Dr. p. 85; Gaz. vol. 135; p. 71.
- Pump piston, Air-. T. R. Green. No. 894,882; Aug. 4; Sp. p. 173; Dr. p. 37; Gaz. vol. 135; p. 927.
- Pump, Pneumatic. A. Brest. No. 894,586; July 28; Sp. p. 4601; Dr. p. 954; Gaz. vol. 135; p. 805.
- Pump, Pneumatic. C. W. Moore. No. 905,210; Dec. 1; Sp. p. 178; Gaz. vol. 137; p. 1012.
- Pump, Power air-. W. J. Spencer. No. 898,522; Sept. 15; Sp. p. 2587; Dr. p. 553; Gaz. vol. 136; p. 477.
- Pump, Pressure-. L. C. Trent. No. 905,024; Nov. 24; Sp. p. 5134; Gaz. vol. 137; p. 915.
- Pump-primer. J. J. Bataille. No. 900,468; Oct. 6; Sp. p. 852; Dr. p. 173; Gaz. vol. 136; p. 1204.
- Pump, Pulsating. A. P. Brush. No. 885,835; Apr. 28; Sp. p. 4464; Dr. p. 938; Gaz. vol. 133; p. 1985.
- Pump-regulator. T. M. Wilkins. No. 892,783; July 7; Sp. p. 779; Dr. p. 164; Gaz. vol. 135; p. 133.
- Pump-regulator, Electric. A. Koesche. No. 831,247; Mar. 10; Sp. p. 1508; Dr. p. 325; Gaz. vol. 133; p. 284.
- Pump regulator, Hydraulic. E. Griswold. No. 877,563; Jan. 28; Sp. p. 3864; Dr. p. 836; Gaz. vol. 132; p. 715.
- Pump, Rotary. R. Berrenberg. No. 878,600; Feb. 11; Sp. p. 1527; Dr. pp. 311-12; Gaz. vol. 132; p. 1116.
- Pump, Rotary. J. F. Neville. No. 883,224; Mar. 31; Sp. p. 5453; Dr. p. 1161; Gaz. vol. 133; p. 1020.
- Pump, Rotary. G. Wilson. No. 883,271; Mar. 31; Sp. p. 5548; Dr. p. 1184; Gaz. vol. 133; p. 1035.
- Pump, Rotary. F. J. Macnish. No. 884,747; Apr. 14; Sp. p. 2220; Dr. p. 469; Gaz. vol. 133; p. 1573.
- Pump, Rotary. R. C. Bromley. No. 886,110; Apr. 28; Sp. p. 5028; Dr. p. 1057; Gaz. vol. 133; p. 2075.
- Pump, Rotary. R. Berrenberg. No. 888,779; May 26; Sp. p. 4935; Dr. pp. 1051-2; Gaz. vol. 134; p. 891.
- Pump, Rotary. J. Müller. No. 888,838; May 26; Sp. p. 5074; Dr. p. 1082; Gaz. vol. 134; p. 910.
- Pump, Rotary. M. Moore and J. Murray. No. 889,949; June 9; Sp. p. 1495; Dr. p. 339; Gaz. vol. 134; p. 1326.
- Pump, Rotary. L. Daniels. No. 893,454; July 14; Sp. p. 2162; Dr. pp. 454-5; Gaz. vol. 135; p. 382.
- Pump, Rotary. B. K. Morehouse. No. 895,488; Aug. 11; Sp. p. 1434; Dr. p. 301; Gaz. vol. 135; p. 1154.
- Pump, Rotary. L. C. Robinson and J. B. Gaylor. No. 896,581; Aug. 18; Sp. p. 3582; Dr. p. 771; Gaz. vol. 135; p. 1529.
- Pump, Rotary. L. L. Pratt. No. 897,655; Sept. 1; Sp. p. 835; Dr. p. 176; Gaz. vol. 136; p. 133.
- Pump, Rotary. J. J. O'Donnell. No. 898,499; Sept. 15; Sp. p. 2537; Dr. p. 544; Gaz. vol. 136; p. 469.
- Pump, Rotary. P. Gauer. No. 901,610; Oct. 20; Sp. p. 3225; Dr. p. 661; Gaz. vol. 136; p. 1639.
- Pump, Rotary air-. H. M. Montgomery. No. 898,493; Sept. 15; Sp. p. 2526; Dr. p. 541; Gaz. vol. 136; p. 467.
- Pump, Rotary force-. C. E. Finkle. No. 907,022; Dec. 15; Sp. p. 3660; Gaz. vol. 137; p. 1652.
- Pump, Rotary force-. R. B. Teachout. No. 907,097; Dec. 15; Sp. p. 3797; Gaz. vol. 137; p. 1676.
- Pump rotor, Centrifugal-. C. H. Jaeger. No. 892,262; June 30; Sp. p. 6240; Dr. p. 1342; Gaz. vol. 134; p. 2184.
- Pump screening device, Spray-. A. W. Overhiser. No. 880,240; Feb. 25; Sp. p. 4857; Dr. p. 1028; Gaz. vol. 132; p. 1724.
- Pump, Self-measuring. J. J. Tokheim. No. 907,653; Dec. 22; Sp. p. 4985; Gaz. vol. 137; p. 1898.
- Pump, Self-measuring oil-. J. B. Davis. No. 905,411; Dec. 1; Sp. p. 563; Gaz. vol. 137; p. 1080.
- Pump, Self-measuring oil-. G. F. Welch. No. 906,478; Dec. 8; Sp. p. 2641; Gaz. vol. 137; p. 1456.
- Pump, Steam-driven. G. Rennerfelt. No. 904,449; Nov. 17; Sp. p. 3917; Gaz. vol. 137; p. 695.
- Pump, Stomach-. J. F. Stallsmith. No. 883,583; Mar. 31; Sp. p. 6195; Dr. p. 1320; Gaz. vol. 133; p. 1134.
- Pump-support. S. Milroy. No. 880,560; Mar. 3; Sp. p. 131; Dr. p. 29; Gaz. vol. 133; p. 27.
- Pump, Triplex. D. F. Lepley. No. 879,560; Feb. 18; Sp. p. 3426; Dr. p. 718; Gaz. vol. 132; p. 1467.
- Pump, Turbo-. G. B. Collier. No. 901,228; Oct. 13; Sp. p. 2379; Dr. pp. 486-7; Gaz. vol. 136; p. 1475.
- Pump, Vacuum-. J. Zeitlin. No. 891,026; June 16; Sp. p. 3739; Dr. p. 816; Gaz. vol. 134; p. 1715.
- Pump, Vacuum-. W. P. M. Greck. No. 898,461; Sept. 15; Sp. p. 2472; Dr. p. 529; Gaz. vol. 136; p. 458.
- Pump-valve. F. J. Doyle. No. 899,210; Sept. 22; Sp. p. 8394; Dr. p. 831; Gaz. vol. 136; p. 728.
- Pump-valve. J. E. Hill. No. 904,431; Nov. 17; Sp. p. 3878; Gaz. vol. 137; p. 689.
- Pump-valve, Automatic. P. Brenner and O. Hoffmann. No. 890,121; June 9; Sp. p. 1855; Dr. p. 408; Gaz. vol. 134; p. 1386.
- Pump valve, Gas-. R. Whitaker. No. 899,584; Sept. 29; Sp. p. 4628; Dr. pp. 993-4; Gaz. vol. 136; p. 885.
- Pump valve-gear, Simplex-. P. F. Oddie. No. 906,457; Dec. 8; Sp. p. 2603; Gaz. vol. 137; p. 1448.
- Pump valve mechanism. C. O. Sobinski. No. 885,193; Apr. 21; Sp. p. 3141; Dr. p. 660; Gaz. vol. 133; p. 1748.
- Pump valve, Mine-. R. W. Murray. No. 890,997; June 16; Sp. p. 3689; Dr. p. 804; Gaz. vol. 134; p. 1705.
- Pump, Variable-delivery. R. J. Fliinn. No. 886,047; Apr. 28; Sp. p. 4914; Dr. pp. 1033-4; Gaz. vol. 133; p. 2055.
- Pump, Vertical-shaft centrifugal. A. W. Hunsaker. No. 891,422; June 23; Sp. p. 4542; Dr. p. 987; Gaz. vol. 134; p. 1875.

Alphabetical list of inventions—Continued.

- Pump, Water-balanced. H. M. Spinolla. No. 889,733; June 2; Sp. p. 1064; Dr. p. 246; Gaz. vol. 134; p. 1230.
- Pump, Wind-driven. E. Eggleston. No. 890,893; June 16; Sp. p. 3449; Dr. pp. 755-6; Gaz. vol. 134; p. 1669.
- Pump with funnel-shaped guide-pipes in the suction-space between the suction-pipe and ring of blades, Centrifugal. O. Krell. No. 879,476; Feb. 18; Sp. p. 3252; Dr. p. 677; Gaz. vol. 132; p. 1439.
- Pumps and the like, Automatic balancing device for centrifugal. F. A. Griessmann. No. 898,462; Sept. 15; Sp. p. 2474; Dr. p. 529; Gaz. vol. 136; p. 458.
- Pumps, Construction of centrifugal. F. W. Krogh. No. 887,658; May 12; Sp. p. 2692; Dr. p. 569; Gaz. vol. 134; p. 463.
- Pumps, Lining for casings of rotary. A. W. Jones. No. 888,814; May 26; Sp. p. 5027; Dr. p. 1072; Gaz. vol. 134; p. 903.
- Pumps, &c., Mechanism for operating. T. A. Davis. No. 904,314; Nov. 17; Sp. p. 3657; Gaz. vol. 137; p. 652.
- Pumps, Overflow-stop for lift and force. E. Noppel. No. 905,567; Dec. 1; Sp. p. 320; Gaz. vol. 137; p. 1130.
- Pumps, Packing-ring for rotary. J. A. Traylor. No. 893,113; July 14; Sp. p. 1471; Dr. p. 310; Gaz. vol. 135; p. 270.
- Pumps, Pressure-governor for. H. H. Westinghouse. No. 879,709; Feb. 18; Sp. p. 3744; Dr. p. 785; Gaz. vol. 132; p. 1515.
- Pumps, Safety clutch for power-driving. W. H. Heard. No. 876,053; Jan. 7; Sp. p. 704; Dr. p. 151; Gaz. vol. 132; p. 122.
- Pumps, Spring-pressure regulator for. L. W. Haskell, W. C. Petty, and F. L. Tessier. No. 888,803; May 26; Sp. p. 4992; Dr. p. 1064; Gaz. vol. 134; p. 899.
- Pumps, Stand-valve-extracting means for oil-well. E. A. Copeland. No. 879,147; Feb. 18; Sp. p. 2587; Dr. p. 538; Gaz. vol. 132; p. 1332.
- Pumps, &c., Strainer for. J. A. Mensch. No. 897,123; Aug. 25; Sp. p. 4743; Dr. p. 1010; Gaz. vol. 135; p. 1732.
- Pumps, turbines, and the like, Equalizing device for. A. Griessmann and O. Gottschling. No. 907,343; Dec. 22; Sp. p. 4324; Gaz. vol. 137; p. 1796.
- Pumps, &c., Valve for. E. E. Clark. No. 877,906; Feb. 4; Sp. p. 24; Dr. p. 5; Gaz. vol. 132; p. 852.
- Pumping air and gases, Apparatus for. W. G. Abbott, Jr. No. 899,820; Sept. 29; Sp. p. 5129; Dr. pp. 1097-8; Gaz. vol. 136; p. 963.
- Pumping and compressing apparatus for aeriform fluids. H. M. Donecq-Cazaux. No. 900,988; Oct. 13; Sp. p. 1948; Dr. p. 397; Gaz. vol. 136; p. 1400.
- Pumping and generating apparatus, Hydraulic. E. R. Brodton. No. 894,588; July 28; Sp. p. 4604; Dr. p. 955; Gaz. vol. 135; p. 805.
- Pumping apparatus. G. J. Murdock. No. 899,458; Sept. 22; Sp. p. 4349; Dr. pp. 933-4; Gaz. vol. 136; p. 806.
- Pumping apparatus, Oil-well. H. G. Bancroft and W. H. Crawford. No. 883,612; Mar. 31; Sp. p. 6243; Dr. p. 1332; Gaz. vol. 133; p. 1143.
- Pumping apparatus, Oil-well. G. L. Cusac. No. 888,316; May 19; Sp. p. 3961; Dr. p. 834; Gaz. vol. 134; p. 707.
- Pumping apparatus, Oil-well. W. C. Beckwith. No. 902,469; Oct. 27; Sp. p. 5032; Dr. p. 1018; Gaz. vol. 136; p. 1949.
- Pumping apparatus, Wave-power. F. E. Bosworth. No. 886,931; May 5; Sp. p. 1185; Dr. pp. 249-50; Gaz. vol. 134; p. 196.
- Pumping apparatus, Well-. W. M. Stephenson. No. 899,921; Sept. 29; Sp. p. 5324; Dr. pp. 1138-9; Gaz. vol. 136; p. 994.
- Pumping device, Oil-well. H. D. Haven. No. 879,166; Feb. 18; Sp. p. 2634; Dr. p. 549; Gaz. vol. 132; p. 1339.
- Pumping-engine. J. C. Smith. No. 878,159; Feb. 4; Sp. p. 523; Dr. p. 112; Gaz. vol. 132; p. 935.
- Pumping-jack. L. R. Stone. No. 881,972; Mar. 17; Sp. p. 2975; Dr. p. 633; Gaz. vol. 133; p. 548.
- Pumping-jack. A. B. Bailey. No. 887,572; May 12; Sp. p. 2529; Dr. p. 533; Gaz. vol. 134; p. 436.
- Pumping-jack. J. R. Ware. No. 889,278; June 2; Sp. p. 167; Dr. p. 41; Gaz. vol. 134; p. 1085.
- Pumping-jack. C. J. Engle. No. 893,909; July 21; Sp. p. 3194; Dr. p. 657; Gaz. vol. 135; p. 561.
- Pumping machine, Breast-. T. W. Howell. No. 897,289; Sept. 1; Sp. p. 44; Dr. p. 11; Gaz. vol. 136; p. 10.
- Pumping mechanism. E. J. D. Cox. No. 900,569; Oct. 6; Sp. p. 1281; Dr. p. 261; Gaz. vol. 136; p. 1270.
- Pumping mechanism, Automatically-controlled or self-regulating. M. Miller. No. 879,111; Feb. 11; Sp. p. 2513; Dr. p. 522; Gaz. vol. 132; p. 1278.
- Pumping mechanism, Oil-well. D. R. Blakeslee. No. 892,120; June 30; Sp. p. 5946; Dr. p. 1280; Gaz. vol. 134; p. 2136.
- Pumping mechanism, Oil-well. D. R. Blakeslee. No. 892,354; June 30; Sp. p. 6402; Dr. p. 1382; Gaz. vol. 134; p. 2213.
- Pumping or sucker rods, Device for detaching and attaching the sections of. R. C. Gauer. No. 893,318; July 14; Sp. p. 1873; Dr. p. 392; Gaz. vol. 135; p. 337.
- Pumping plant, Sand-. M. Switek. No. 892,329; June 30; Sp. p. 6360; Dr. pp. 1371-2; Gaz. vol. 134; p. 2206.
- Pumping system, Two-phase. G. C. McFarlane. No. 895,101; Aug. 4; Sp. p. 648; Dr. p. 136; Gaz. vol. 135; p. 1002.
- Punch. W. Carman. No. 884,350; Apr. 7; Sp. p. 1371; Dr. p. 293; Gaz. vol. 133; p. 1412.
- Punch. A. H. Moulton. No. 890,995; June 16; Sp. p. 3687; Dr. p. 804; Gaz. vol. 134; p. 1704.
- Punch. W. A. Whitney. No. 898,397; Sept. 8; Sp. p. 2322; Dr. p. 494; Gaz. vol. 136; p. 404.
- Punch. J. F. Doolittle. No. 900,009; Sept. 29; Sp. p. 5529; Dr. p. 1179; Gaz. vol. 136; p. 1023.
- Punch. G. J. Blum. No. 902,643; Nov. 3; Sp. p. 222; Gaz. vol. 137; p. 37.
- Punch, Automatic center-. F. Spalding. No. 889,409; June 2; Sp. p. 439; Dr. p. 104; Gaz. vol. 134; p. 1128.
- Punch-ball machine, Coin-freedom. A. C. Savage. No. 900,126; Oct. 6; Sp. p. 123; Dr. p. 25; Gaz. vol. 136; p. 1091.
- Punch, Hand-. H. E. Walter. No. 889,075; May 26; Sp. p. 5522; Dr. p. 1174; Gaz. vol. 134; p. 987.
- Punch-holder. L. J. Sloat. No. 882,178; Mar. 17; Sp. p. 3398; Dr. p. 722; Gaz. vol. 133; p. 615.
- Punch, Metal-. E. K. Abery. No. 891,516; June 23; Sp. p. 4733; Dr. p. 1024; Gaz. vol. 134; p. 1906.
- Punch, Paper-. S. Wollheim. No. 880,524; Mar. 10; Sp. p. 2052; Dr. p. 449; Gaz. vol. 133; p. 373.
- Punch-presses, Clearance device for. R. H. Pearson. No. 899,131; Sept. 22; Sp. p. 3722; Dr. p. 797; Gaz. vol. 136; p. 702.
- Punch-shifting mechanism. C. H. De La Monte. No. 891,178; June 16; Sp. p. 4007; Dr. p. 879; Gaz. vol. 134; p. 1761.
- Punches, Center and feed guide for. G. L. Bennett. No. 893,427; July 14; Sp. p. 2094; Dr. pp. 438-9; Gaz. vol. 135; p. 373.
- Puncher, Check-. G. L. Leisner. No. 887,665; May 12; Sp. p. 2702; Dr. pp. 571-2; Gaz. vol. 134; p. 465.
- Punching and riveting machine. J. R. French. No. 877,419; Jan. 21; Sp. p. 3554; Dr. pp. 768-9; Gaz. vol. 132; p. 647.
- Punching and spacing machine. M. M. Beasley. No. 887,910; May 19; Sp. p. 3207; Dr. pp. 674-5; Gaz. vol. 134; p. 577.
- Punching-bag apparatus. F. Hulsman. No. 885,927; Apr. 28; Sp. p. 4657; Dr. p. 981; Gaz. vol. 133; p. 2016.
- Punching-machine. T. A. Lindsey. No. 880,085; Feb. 25; Sp. p. 4541; Dr. p. 956; Gaz. vol. 132; p. 1672.
- Punching-machine. W. T. Sears. No. 886,876; May 5; Sp. p. 1086; Dr. pp. 227-8; Gaz. vol. 134; p. 178.
- Punching-machine. C. R. Gether. No. 893,069; July 14; Sp. p. 1385; Dr. pp. 292-3; Gaz. vol. 135; p. 256.
- Punching-machine. J. L. Bernard. No. 893,428; July 14; Sp. p. 2099; Dr. pp. 439-40; Gaz. vol. 135; p. 373.
- Punching-machine. J. L. Bernard. No. 895,944; Aug. 11; Sp. p. 2323; Dr. p. 498; Gaz. vol. 135; p. 1301.
- Punching-machine. M. J. Riggs. No. 899,324; Sept. 22; Sp. p. 4120; Dr. p. 881; Gaz. vol. 136; p. 764.
- Punching-machine. J. R. Harbeck. No. 907,690; Dec. 22; Sp. p. 5090; Gaz. vol. 137; p. 1911.
- Punching-machine feed mechanism. A. Rinderer. No. 894,465; July 28; Sp. p. 4370; Dr. pp. 901-2; Gaz. vol. 135; p. 766.
- Punching, shearing, and pressing machine. J. S. Jenkins. No. 907,812; Dec. 29; Sp. p. 5329; Gaz. vol. 137; p. 1981.
- Puncture-closer. J. H. Rand. No. 892,306; June 30; Sp. p. 6316; Dr. p. 1361; Gaz. vol. 134; p. 2198.
- Puncture-closing device. S. Munday. No. 896,850; Aug. 25; Sp. p. 4155; Dr. p. 890; Gaz. vol. 135; p. 1641.
- Puncture-closures, Tool for setting. J. H. Rand. No. 892,183; June 30; Sp. p. 6082; Dr. p. 1308; Gaz. vol. 134; p. 2157.
- Puncture-telltale. C. A. Winter. No. 885,121; Apr. 21; Sp. p. 2987; Dr. p. 630; Gaz. vol. 133; p. 1725.
- Punitive device. J. R. Hinton. No. 890,905; June 16; Sp. p. 3475; Dr. p. 761; Gaz. vol. 134; p. 1673.
- Punka and the like, Electrically-operated. H. H. Young. No. 885,417; Apr. 21; Sp. p. 3606; Dr. p. 756; Gaz. vol. 133; p. 1823.
- Purifier-box. H. L. Doherty. No. 878,128; Feb. 4; Sp. p. 467; Dr. pp. 99-100; Gaz. vol. 132; p. 925.
- Purse and bag fastener. F. H. Bleyer. No. 886,175; Apr. 28; Sp. p. 5148; Dr. p. 1083; Gaz. vol. 133; p. 2096.
- Purse-clasp-locking device. L. Tuorto. No. 897,562; Sept. 1; Sp. p. 662; Dr. p. 139; Gaz. vol. 136; p. 104.
- Purse or bag frame. B. vom Eigen. No. 894,374; July 28; Sp. p. 4177; Dr. p. 863; Gaz. vol. 135; p. 735.
- Purse-puzzle. T. P. Reid. No. 886,540; May 5; Sp. p. 389; Dr. p. 82; Gaz. vol. 134; p. 72.
- Push-button. C. W. Wachtel. No. 900,006; Sept. 29; Sp. p. 5524; Dr. p. 1177; Gaz. vol. 136; p. 1021.
- Push-button, Electric. H. Wilhelm. No. 887,166; May 12; Sp. p. 1627; Dr. p. 346; Gaz. vol. 134; p. 300.
- Push-button, Electric floor. H. F. Keil. No. 903,577; Nov. 10; Sp. p. 2092; Gaz. vol. 137; p. 373.
- Push-button snap-switch. J. A. York. No. 876,511; Jan. 14; Sp. p. 1675; Dr. p. 365; Gaz. vol. 132; p. 305.
- Push-button switch. H. C. Williamson. No. 878,586; Feb. 11; Sp. p. 1502; Dr. p. 305; Gaz. vol. 132; p. 1112.
- Push-button switch. G. A. Paul. No. 887,840; May 19; Sp. p. 3067; Dr. p. 645; Gaz. vol. 134; p. 554.
- Push-button switch. G. B. Thomas. No. 907,098; Dec. 15; Sp. p. 3798; Gaz. vol. 137; p. 1676.
- Putty-applying tool. T. J. MacLaughlin. No. 888,629; May 26; Sp. p. 4625; Dr. p. 981; Gaz. vol. 134; p. 844.
- Puzzle. B. J. Dever and B. J. Delzeit. No. 876,779; Jan. 14; Sp. p. 2221; Dr. p. 488; Gaz. vol. 132; p. 394.
- Puzzle. W. H. Maltbie. No. 876,820; Jan. 14; Sp. p. 2298; Dr. p. 505; Gaz. vol. 132; p. 406.
- Puzzle. S. S. Cahill. No. 878,187; Feb. 4; Sp. p. 615; Dr. p. 126; Gaz. vol. 132; p. 946.
- Puzzle. R. D. Martin. No. 878,408; Feb. 4; Sp. p. 1039; Dr. p. 210; Gaz. vol. 132; p. 1018.
- Puzzle. J. H. Prentice. No. 879,316; Feb. 18; Sp. p. 2917; Dr. p. 608; Gaz. vol. 132; p. 1388.
- Puzzle. E. G. Hodgson. No. 880,993; Mar. 3; Sp. p. 1009; Dr. p. 217; Gaz. vol. 133; p. 172.
- Puzzle. J. C. Critchett. No. 884,902; Apr. 14; Sp. p. 2515; Dr. pp. 531-2; Gaz. vol. 133; p. 1622.
- Puzzle. D. D. Lowery. No. 886,999; May 5; Sp. p. 1313; Dr. p. 276; Gaz. vol. 134; p. 218.
- Puzzle. P. W. Cohrs. No. 887,590; May 12; Sp. p. 2558; Dr. p. 539; Gaz. vol. 134; p. 441.
- Puzzle. A. Henderson. No. 887,636; May 12; Sp. p. 2649; Dr. p. 558; Gaz. vol. 134; p. 456.
- Puzzle. C. S. L. Kennedy. No. 889,314; June 2; Sp. p. 239; Dr. p. 58; Gaz. vol. 134; p. 1097.

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- Puzzle. W. Martin. No. 890,677; June 16; Sp. p. 3005; Dr. p. 660; Gaz. vol. 134; p. 1599.
 Puzzle. T. Scrutchin. No. 895,114; Aug. 4; Sp. p. 683; Dr. p. 142; Gaz. vol. 135; p. 1007.
 Puzzle. C. B. Rosenberger. No. 895,303; Aug. 4; Sp. p. 1079; Dr. p. 226; Gaz. vol. 135; p. 1071.
 Puzzle. W. J. Akin. No. 896,344; Aug. 18; Sp. p. 3111; Dr. p. 668; Gaz. vol. 135; p. 1452.
 Puzzle. H. D. Gardy. No. 896,819; Aug. 25; Sp. p. 4078; Dr. p. 878; Gaz. vol. 135; p. 1630.
 Puzzle. J. R. Johnson. No. 896,917; Aug. 25; Sp. p. 4318; Dr. p. 924; Gaz. vol. 135; p. 1663.
 Puzzle. C. B. Graves. No. 897,089; Aug. 25; Sp. p. 4667; Dr. p. 994; Gaz. vol. 135; p. 1720.
 Puzzle. J. W. Clark. No. 898,321; Sept. 8; Sp. p. 2186; Dr. p. 464; Gaz. vol. 136; p. 378.
 Puzzle. C. H. Dreher. No. 898,342; Sept. 8; Sp. p. 2220; Dr. p. 472; Gaz. vol. 136; p. 385.
 Puzzle. G. Chapman. No. 898,833; Sept. 15; Sp. p. 3177; Dr. p. 680; Gaz. vol. 136; p. 577.
 Puzzle. C. C. Burr. No. 899,949; Sept. 29; Sp. p. 5405; Dr. p. 1152; Gaz. vol. 136; p. 1003.
 Puzzle. J. F. Brown. No. 905,839; Dec. 8; Sp. p. 1439; Gaz. vol. 137; p. 1249.
 Puzzle. A. Murl and M. Krompigel. No. 906,450; Dec. 8; Sp. p. 2594; Gaz. vol. 137; p. 1446.
 Puzzle. W. Walker. No. 907,203; Dec. 22; Sp. p. 4047; Gaz. vol. 137; p. 1748.
 Puzzle. E. G. Jensen. No. 908,410; Dec. 29; Sp. p. 6588; Gaz. vol. 137; p. 2182.
 Puzzle device. R. Haldenwang, Jr. No. 882,464; Mar. 17; Sp. p. 3910; Dr. p. 836; Gaz. vol. 133; p. 707.
 Puzzle rolling-pin. J. G. Allen. No. 895,710; Aug. 11; Sp. p. 1863; Dr. p. 395; Gaz. vol. 135; p. 1226.
 Pyrimidin derivative. L. Weber. (Reissue.) No. 12,745; Jan. 28; Sp. p. 4498; Gaz. vol. 132; p. 822.
 Pyrites briquets, Making. P. D. Ricketts and T. C. King. No. 894,464; July 28; Sp. p. 4369; Gaz. vol. 135; p. 766.
 Pyrites fines for desulfurization, Preparing. P. D. Ricketts and T. C. King. No. 894,799; July 28; Sp. p. 5005; Gaz. vol. 135; p. 874.
 Pyrographic or cautery device. T. W. Miller. No. 888,833; May 19; Sp. p. 5061; Dr. p. 1080; Gaz. vol. 134; p. 909.
 Pyrographic tool. J. P. Müller. No. 878,414; Feb. 4; Sp. p. 1048; Dr. p. 212; Gaz. vol. 132; p. 1020.
 Pyrographical device. H. Holton. No. 891,478; June 23; Sp. p. 4654; Dr. p. 1008; Gaz. vol. 134; p. 1894.
 Pyrometer. C. Féry. No. 890,895; June 16; Sp. p. 3451; Dr. pp. 756-7; Gaz. vol. 134; p. 1670.
 Pyrotechnic device. N. Del Grande. No. 885,689; Apr. 21; Sp. p. 4144; Dr. p. 867; Gaz. vol. 133; p. 1907.
 Pyrotechnic device. C. F. Graber. No. 902,650; Nov. 3; Sp. p. 231; Gaz. vol. 137; p. 39.
 Pyroxylin, Covering objects with sheet-. A. E. Wyman. No. 892,702; July 7; Sp. p. 599; Dr. p. 129; Gaz. vol. 135; p. 105.
 Quartz-mills, Battery screen-frame for. R. E. L. Lampson. No. 889,380; June 2; Sp. p. 381; Dr. p. 90; Gaz. vol. 134; p. 1118.
 Quartzbracho, Treating extracts of. L. Pollak. No. 900,038; Sept. 29; Sp. p. 5599; Gaz. vol. 136; p. 1033.
 Question-answering device. C. H. Emerson. No. 880,640; Mar. 3; Sp. p. 303; Dr. p. 67; Gaz. vol. 133; p. 53.
 Quick-acting wrench. C. E. Ragsdale. No. 902,000; Oct. 27; Sp. p. 4059; Dr. p. 823; Gaz. vol. 136; p. 1797.
 Quill. B. M. W. Hanson. No. 905,524; Dec. 1; Sp. p. 842; Gaz. vol. 137; p. 1117.
 Quill-feeding device for automatic machines. W. Webster. No. 894,556; July 28; Sp. p. 4553; Dr. pp. 943-4; Gaz. vol. 135; p. 795.
 Quill substances, Machine for preparing. W. Webster. No. 903,248; Nov. 10; Sp. p. 1431; Gaz. vol. 137; p. 265.
 Quill substances, Machine for treating. W. Webster. No. 900,048; Sept. 29; Sp. p. 5623; Dr. pp. 1200-3; Gaz. vol. 136; p. 1036.
 Quilling-machine. B. Eastwood, Jr., and B. Schibler, Jr. No. 900,155; Oct. 6; Sp. p. 173; Dr. p. 36; Gaz. vol. 136; p. 1101.
 Quilting-frame. W. F. Cash. No. 884,793; Apr. 14; Sp. p. 2323; Dr. p. 488; Gaz. vol. 133; p. 1589.
 Race-course barrier. A. F. Dayton. No. 893,461; July 14; Sp. p. 2175; Dr. p. 457; Gaz. vol. 135; p. 384.
 Racing track or course. J. B. Georges. No. 877,993; Feb. 4; Sp. p. 191; Dr. p. 43; Gaz. vol. 132; p. 881.
 Rack. See Apparel-rack; Bag-holding rack; Baggage-rack; Bottle-rack; Box-rack; Car-rack; Card-rack; Chair-display rack; Clothes-rack; Corn-rack; Dish-drying rack; Display-rack; Display or card rack; Electrical distributing-rack; Feeding-trough rack; Folding rack; Furniture-rack; Garment-rack; Hall-rack; Hat and coat rack; Hat, coat, and umbrella rack; Hay-rack; Hay and cattle rack; Hay and hog rack; Hay and stock rack; Kitchen-rack; Meat-rack; Music-rack; Oil-cloth rack; Plate-rack; Plating-rack; Pool-ball rack; Provision-rack; Room-rack; Rug-rack; Shoe-rack; Shucking-rack; Stock and hay rack; Supporting-rack; Supporting or display rack; Towel-rack; Wagon-rack; Wire-screen-cloth rack; Work-rack.
 Rack. J. Boyle. No. 886,933; May 5; Sp. p. 1188; Dr. p. 250; Gaz. vol. 134; p. 197.
 Rack. G. H. Schubert. No. 894,706; July 28; Sp. p. 4838; Dr. p. 1005; Gaz. vol. 135; p. 844.
 Rack. J. H. Brown. No. 896,798; Aug. 25; Sp. p. 4039; Dr. p. 870; Gaz. vol. 135; p. 1623.
 Rack attachment, Display-. G. J. Willner. No. 906,347; Dec. 8; Sp. p. 2414; Gaz. vol. 137; p. 1414.
 Rack attachment, Hay-. J. W. Rives. No. 907,179; Dec. 22; Sp. p. 3979; Gaz. vol. 137; p. 1739.
 Rack for clothes, &c., Collapsible. H. M. McCullough. No. 907,856; Dec. 29; Sp. p. 5411; Gaz. vol. 137; p. 1995.
 Racks, Separator-strip for slide-. A. C. Roebuck. No. 892,684; July 7; Sp. p. 567; Dr. p. 120; Gaz. vol. 135; p. 100.
 Racket. F. Imlach. No. 880,306; Feb. 25; Sp. p. 4985; Dr. p. 1052; Gaz. vol. 132; p. 1745.
 Radiator. J. A. Strom. No. 877,011; Jan. 21; Sp. p. 2732; Dr. pp. 591-2; Gaz. vol. 132; p. 512.
 Radiator. J. A. Lidvall. No. 877,575; Jan. 28; Sp. p. 3880; Dr. p. 841; Gaz. vol. 132; p. 718.
 Radiator. E. E. Deschane and J. C. Littlewood. No. 877,987; Feb. 4; Sp. p. 179; Dr. p. 40; Gaz. vol. 132; p. 879.
 Radiator. B. F. Foss. No. 879,953; Feb. 25; Sp. p. 4279; Dr. p. 895; Gaz. vol. 132; p. 1629.
 Radiator. G. Hodgdon. No. 880,079; Feb. 25; Sp. p. 4529; Dr. p. 953; Gaz. vol. 132; p. 1669.
 Radiator. C. R. Kline. No. 884,739; Apr. 14; Sp. p. 2203; Dr. p. 465; Gaz. vol. 133; p. 1571.
 Radiator. J. T. Stokes. No. 886,550; May 5; Sp. p. 407; Dr. p. 87; Gaz. vol. 134; p. 75.
 Radiator. A. Harrison. No. 891,540; June 23; Sp. p. 4775; Dr. p. 1033; Gaz. vol. 134; p. 1913.
 Radiator. G. W. Nütz. No. 892,761; July 7; Sp. p. 720; Dr. p. 152; Gaz. vol. 135; p. 124.
 Radiator. T. J. Kehoe. No. 895,767; Aug. 11; Sp. p. 1983; Dr. p. 419; Gaz. vol. 135; p. 1245.
 Radiator. J. B. Long and F. Todd. No. 898,238; Sept. 8; Sp. p. 2048; Dr. p. 435; Gaz. vol. 136; p. 353.
 Radiator. C. E. Safford. No. 904,729; Nov. 24; Sp. p. 4514; Gaz. vol. 137; p. 816.
 Radiator appliance. J. A. Gorton. No. 879,628; Feb. 18; Sp. p. 3583; Dr. p. 750; Gaz. vol. 132; p. 1489.
 Radiator attachment. J. M. Dungan. No. 886,777; May 5; Sp. p. 909; Dr. p. 188; Gaz. vol. 134; p. 150.
 Radiator connection. R. C. Everts. No. 883,103; Mar. 24; Sp. p. 5176; Dr. p. 1106; Gaz. vol. 133; p. 949.
 Radiator for cooling liquids. T. C. Fedders. No. 881,392; Mar. 10; Sp. p. 1802; Dr. pp. 389-90; Gaz. vol. 133; p. 331.
 Radiator for hydrocarbon and other heat motors, Heat-. K. J. Steiner. No. 883,756; Apr. 7; Sp. p. 149; Dr. p. 27; Gaz. vol. 133; p. 1218.
 Radiator, Heat-. S. D. Woods and V. W. Sipes. No. 888,413; May 19; Sp. p. 4171; Dr. p. 883; Gaz. vol. 134; p. 739.
 Radiator, Hot-water. C. H. Burton. No. 893,142; July 14; Sp. p. 1538; Dr. p. 324; Gaz. vol. 135; p. 281.
 Radiator-humidifier. G. J. Palmer. No. 902,905; Nov. 3; Sp. p. 760; Gaz. vol. 137; p. 125.
 Radiator-indicator. H. Vissering. No. 904,163; Nov. 17; Sp. p. 3319; Gaz. vol. 137; p. 599.
 Radiator-making machine. F. H. Stolp. No. 875,746; Jan. 7; Sp. p. 131; Dr. pp. 29-30; Gaz. vol. 132; p. 26.
 Radiator manufacture, Sheet-metal-. T. H. Walker. No. 881,270; Mar. 10; Sp. p. 1547; Dr. p. 333; Gaz. vol. 133; p. 292.
 Radiator mounting and connection. M. J. Harkins, M. J. Rickard, and P. J. Cowley. No. 876,714; Jan. 14; Sp. p. 2114; Dr. p. 463; Gaz. vol. 132; p. 374.
 Radiator-nipple-drawing device. J. Deller. No. 878,457; Feb. 4; Sp. p. 1126; Dr. p. 231; Gaz. vol. 132; p. 1034.
 Radiator packing-joint. S. W. Jameson. No. 880,217; Feb. 25; Sp. p. 4809; Dr. p. 1018; Gaz. vol. 132; p. 1715.
 Radiator pipes, Expansion attaching-plate for steam-. J. Auble and C. Gordon. No. 896,074; Aug. 18; Sp. p. 2597; Dr. p. 502; Gaz. vol. 135; p. 1367.
 Radiator, Portable hot-water. W. R. Kinnear. No. 896,837; Aug. 25; Sp. p. 4131; Dr. p. 885; Gaz. vol. 135; p. 1636.
 Radiator return-trap. A. L. Canfield and B. E. Van Auker. No. 890,555; June 9; Sp. p. 2721; Dr. p. 602; Gaz. vol. 134; p. 1526.
 Radiator, Sectional. J. M. W. Kitchen. No. 883,808; Apr. 7; Sp. p. 264; Dr. p. 49; Gaz. vol. 133; p. 1235.
 Radiator-shield. A. Atkinson. No. 903,266; Nov. 10; Sp. p. 1470; Gaz. vol. 137; p. 271.
 Radiator-tubing. F. H. Stolp. No. 877,252; Jan. 21; Sp. p. 3238; Dr. p. 701; Gaz. vol. 132; p. 594.
 Radiator-valve. B. E. Van Auker. No. 895,517; Aug. 11; Sp. p. 1490; Dr. p. 315; Gaz. vol. 135; p. 1165.
 Radiator-valve, Packless. J. Collis. No. 877,051; Jan. 21; Sp. p. 2821; Dr. p. 610; Gaz. vol. 132; p. 526.
 Radiator wall-sections, Connection for. J. A. Holfelder. No. 882,315; Mar. 17; Sp. p. 3659; Dr. p. 776; Gaz. vol. 133; p. 659.
 Radiators, Elbow connection for. J. J. Stockdon. No. 902,696; Nov. 3; Sp. p. 327; Gaz. vol. 137; p. 55.
 Radiators, Foot-warmer attachment for. J. E. Jones. No. 889,689; June 2; Sp. p. 985; Dr. p. 227; Gaz. vol. 134; p. 1217.
 Radiators, Relief-valve for. W. W. Brissenden. No. 877,399; Jan. 21; Sp. p. 3509; Dr. p. 761; Gaz. vol. 132; p. 639.
 Radiators, Steam-trap and air-vent for. C. B. Thompson. No. 882,595; Mar. 24; Sp. p. 4181; Dr. p. 887; Gaz. vol. 133; p. 783.
 Radio-active composition. K. Keil. No. 901,177; Oct. 13; Sp. p. 2293; Gaz. vol. 136; p. 1460.
 Radio-active mass. S. Loewenthal and K. Luer. No. 907,066; Dec. 15; Sp. p. 3742; Gaz. vol. 137; p. 1667.
 Radium preparation. H. Lieber. No. 895,478; Aug. 11; Sp. p. 1417; Gaz. vol. 135; p. 1151.
 Raft, Lumber-. N. McLaughlin. No. 884,408; Apr. 14; Sp. p. 1494; Dr. p. 321; Gaz. vol. 133; p. 1462.
 Rail. E. R. Robinson. No. 886,541; May 5; Sp. p. 390; Dr. p. 82; Gaz. vol. 134; p. 72.
 Rail. G. Pearce. No. 887,512; May 12; Sp. p. 2420; Dr. p. 510; Gaz. vol. 134; p. 416.
 Rail. U. G. Potts. No. 903,883; Nov. 17; Sp. p. 2730; Gaz. vol. 137; p. 504.
 Rail and railway. J. Wissler. No. 905,616; Dec. 1; Sp. p. 1011; Gaz. vol. 137; p. 1145.
 Rail-bender. D. Belloni. No. 902,470; Oct. 27; Sp. p. 5034; Dr. p. 1019; Gaz. vol. 136; p. 1949.

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- Rail-bending device. V. Pilia. No. 888,847; May 26; Sp. p. 5090; Dr. p. 1086; Gaz. vol. 134; p. 913.
 Rail-bond. A. H. Englund. No. 888,980; May 26; Sp. p. 5365; Dr. p. 1138; Gaz. vol. 134; p. 957.
 Rail-bond. G. A. Mead and C. R. Sturdevant. No. 890,367; June 9; Sp. p. 2375; Dr. p. 524; Gaz. vol. 134; p. 1465.
 Rail-bond. A. B. Herrick. No. 894,952; Aug. 4; Sp. p. 349; Dr. p. 71; Gaz. vol. 135; p. 951.
 Rail-bond. M. M. Wood. No. 895,928; Aug. 11; Sp. p. 2296; Dr. p. 490; Gaz. vol. 135; p. 1296.
 Rail-bond. R. J. Ostick. No. 897,997; Sept. 8; Sp. p. 1568; Dr. p. 333; Gaz. vol. 136; p. 278.
 Rail-bond. G. A. Mead. No. 899,120; Sept. 22; Sp. p. 3702; Dr. pp. 793-4; Gaz. vol. 136; p. 698.
 Rail-bond. A. W. McConnell. No. 900,298; Oct. 6; Sp. p. 482; Dr. p. 100; Gaz. vol. 136; p. 1148.
 Rail-bond. F. H. Daniels and C. R. Sturdevant. No. 900,488; Oct. 6; Sp. p. 879; Dr. p. 180; Gaz. vol. 136; p. 1209.
 Rail-bond. E. W. Vogel. No. 902,026; Oct. 27; Sp. p. 4111; Dr. p. 832; Gaz. vol. 136; p. 1805.
 Rail-bond. E. H. McHenry. No. 907,083; Dec. 15; Sp. p. 3772; Gaz. vol. 137; p. 1672.
 Rail-bond terminals, Mold for casting. W. B. Cleveland. No. 901,227; Oct. 13; Sp. p. 2376; Dr. p. 486; Gaz. vol. 136; p. 1475.
 Rail-bonds, &c., Forming. E. M. Bournonville. No. 880,271; Feb. 25; Sp. p. 4919; Dr. p. 1041; Gaz. vol. 132; p. 1734.
 Rail-bonds, Forming. E. M. Bournonville. No. 894,720; July 28; Sp. p. 4861; Dr. p. 1011; Gaz. vol. 135; p. 848.
 Rail-bonds, Manufacture of. W. H. Williams. No. 904,663; Nov. 24; Sp. p. 4372; Gaz. vol. 137; p. 794.
 Rail-brace. J. Oldendorf. No. 881,198; Mar. 10; Sp. p. 1400; Dr. p. 303; Gaz. vol. 133; p. 268.
 Rail-brace. G. L. Hall. No. 881,237; Mar. 10; Sp. p. 1490; Dr. p. 321; Gaz. vol. 133; p. 281.
 Rail-brace. B. A. Fleshman and J. M. Koontz. No. 884,917; Apr. 14; Sp. p. 2563; Dr. p. 539; Gaz. vol. 133; p. 1627.
 Rail-brace. A. J. Knouse. No. 893,928; July 21; Sp. p. 3225; Dr. p. 665; Gaz. vol. 135; p. 567.
 Rail-brace. W. H. Huffman. No. 899,302; Sept. 22; Sp. p. 4079; Dr. p. 872; Gaz. vol. 136; p. 757.
 Rail-brace and fastening means therefor. G. W. Whiteman. No. 896,049; Aug. 11; Sp. p. 2539; Dr. p. 552; Gaz. vol. 135; p. 1336.
 Rail-chair. W. H. J. Clifton. No. 887,736; May 12; Sp. p. 2832; Dr. p. 599; Gaz. vol. 134; p. 491.
 Rail-chair. A. Haarmann. No. 894,322; July 28; Sp. p. 4079; Dr. p. 842; Gaz. vol. 135; p. 719.
 Rail-chair. H. P. Ellerbeck. No. 895,246; Aug. 4; Sp. p. 958; Dr. p. 201; Gaz. vol. 135; p. 1052.
 Rail-chair. G. W. Sutherland. No. 899,354; Sept. 22; Sp. p. 4170; Dr. p. 892; Gaz. vol. 136; p. 774.
 Rail chair and fastener. J. A. Gossard. No. 878,202; Feb. 4; Sp. p. 642; Dr. pp. 131-2; Gaz. vol. 132; p. 950.
 Rail-chair and fish-plate, Combined. F. Hauser. No. 906,015; Dec. 8; Sp. p. 1775; Gaz. vol. 137; p. 1305.
 Rail channels, Set for tramway-. F. O. Schneller. No. 883,052; Mar. 24; Sp. p. 5082; Dr. p. 1084; Gaz. vol. 133; p. 933.
 Rail-clamp. J. M. Vail. No. 900,328; Oct. 6; Sp. p. 546; Dr. p. 113; Gaz. vol. 136; p. 1157.
 Rail clamp, Guard-. W. B. Cooke. No. 888,314; May 19; Sp. p. 3959; Dr. p. 833; Gaz. vol. 134; p. 707.
 Rail clamp, Guard-. C. Switzer and F. Sundman. No. 890,384; June 9; Sp. p. 2407; Dr. pp. 530-1; Gaz. vol. 134; p. 1470.
 Rail clamp, Guard-. G. L. Hall. No. 899,694; Sept. 29; Sp. p. 4848; Dr. p. 1038; Gaz. vol. 136; p. 919.
 Rail cleaner, Groove-. C. H. Frick. No. 876,957; Jan. 21; Sp. p. 2616; Dr. p. 568; Gaz. vol. 132; p. 493.
 Rail cleaning and scraping device. A. J. R. Marjenhoff. No. 892,172; June 30; Sp. p. 6063; Dr. p. 1304; Gaz. vol. 134; p. 2154.
 Rail-clip. L. F. Braine. No. 907,563; Dec. 22; Sp. p. 4749; Gaz. vol. 137; p. 1868.
 Rail, Compound. T. S. Cromer. No. 902,136; Oct. 27; Sp. p. 4318; Dr. p. 875; Gaz. vol. 136; p. 1840.
 Rail connection. A. S. Lind. No. 899,697; Sept. 29; Sp. p. 4852; Dr. p. 1039; Gaz. vol. 136; p. 920.
 Rail contact-shoe guard, Automatic third-. W. E. Hayes. No. 899,593; Sept. 29; Sp. p. 4657; Dr. p. 998; Gaz. vol. 136; p. 889.
 Rail cross-ties, Dowel for fastening wood-screws in. C. Wilke. No. 881,755; Mar. 10; Sp. p. 2509; Dr. p. 540; Gaz. vol. 133; p. 447.
 Rail-drilling machine. D. A. Moore. No. 885,943; Apr. 28; Sp. p. 4688; Dr. pp. 987-8; Gaz. vol. 133; p. 2022.
 Rail-fastener. H. F. Bender. No. 885,712; Apr. 28; Sp. p. 4199; Dr. p. 878; Gaz. vol. 133; p. 1944.
 Rail-fastener. F. G. Alford. No. 890,116; June 9; Sp. p. 1842; Dr. p. 406; Gaz. vol. 134; p. 1384.
 Rail-fastener. J. Anderson. No. 890,396; June 9; Sp. p. 2424; Dr. p. 535; Gaz. vol. 134; p. 1474.
 Rail-fastener. A. Aretz. No. 892,207; June 30; Sp. p. 6132; Dr. p. 1319; Gaz. vol. 134; p. 2165.
 Rail-fastener. O. A. Hall. No. 897,828; Sept. 1; Sp. p. 1193; Dr. pp. 253-5; Gaz. vol. 136; p. 190.
 Rail-fastener. K. O. Lofthous. No. 898,053; Sept. 8; Sp. p. 1683; Dr. p. 357; Gaz. vol. 136; p. 295.
 Rail-fastener. W. L. Walker and L. J. Eyth. No. 898,291; Sept. 8; Sp. p. 2133; Dr. p. 453; Gaz. vol. 136; p. 369.
 Rail-fastener. D. H. Turnbaugh. No. 901,128; Oct. 13; Sp. p. 2213; Dr. pp. 449-50; Gaz. vol. 136; p. 1444.
 Rail-fastener. E. Stem. No. 901,658; Oct. 20; Sp. p. 3320; Dr. p. 682; Gaz. vol. 136; p. 1654.
 Rail-fastener. J. A. Widner. No. 904,824; Nov. 24; Sp. p. 4720; Gaz. vol. 137; p. 849.
 Rail fastener and anticreep. W. E. Striker and J. F. Grissinger. No. 891,746; June 23; Sp. p. 5201; Dr. p. 1124; Gaz. vol. 134; p. 1982.
 Rail-fastener for concrete ties. E. J. Drayer. No. 885,456; Apr. 21; Sp. p. 3670; Dr. p. 769; Gaz. vol. 133; p. 1835.
 Rail-fastener for metallic ties. R. O. Blakey. No. 894,580; July 28; Sp. p. 4593; Dr. p. 952; Gaz. vol. 135; p. 803.
 Rail-fastening. P. Reeser. No. 895,893; Aug. 11; Sp. p. 2234; Dr. p. 477; Gaz. vol. 135; p. 1285.
 Rail-fastening. A. Newell. No. 897,127; Aug. 25; Sp. p. 4750; Dr. p. 1012; Gaz. vol. 135; p. 1734.
 Rail-fastening. W. L. Vail, Jr. No. 898,611; Sept. 15; Sp. p. 2761; Dr. p. 590; Gaz. vol. 136; p. 506.
 Rail-fastening. H. K. Myers. No. 899,230; Sept. 22; Sp. p. 3928; Dr. p. 839; Gaz. vol. 136; p. 734.
 Rail-fastening. M. F. Bonzano. No. 906,859; Dec. 15; Sp. p. 3375; Gaz. vol. 137; p. 1602.
 Rail-fastening. M. F. Bonzano. No. 906,860; Dec. 15; Sp. p. 3377; Gaz. vol. 137; p. 1602.
 Rail-fastening device. E. T. Ford and F. F. Wassam. No. 906,402; Dec. 8; Sp. p. 2501; Gaz. vol. 137; p. 1430.
 Rail-fastening device. E. T. Ford and F. F. Wassam. No. 906,403; Dec. 8; Sp. p. 2502; Gaz. vol. 137; p. 1430.
 Rail-frog. A. T. Stetna. No. 908,349; Dec. 29; Sp. p. 6456; Gaz. vol. 137; p. 2161.
 Rail, Guard-. C. Wiench. No. 897,946; Sept. 8; Sp. p. 1469; Dr. p. 312; Gaz. vol. 136; p. 261.
 Rail-handling machine. B. F. Brown. No. 907,455; Dec. 22; Sp. p. 4564; Gaz. vol. 137; p. 1835.
 Rail-joint. A. R. Rich. No. 875,735; Jan. 7; Sp. p. 111; Dr. p. 24; Gaz. vol. 132; p. 23.
 Rail-joint. J. A. Scott. No. 877,007; Jan. 21; Sp. p. 2724; Dr. p. 590; Gaz. vol. 132; p. 510.
 Rail-joint. P. O. Adams. No. 877,279; Jan. 21; Sp. p. 3288; Dr. p. 711; Gaz. vol. 132; p. 602.
 Rail-joint. C. H. Ray. No. 877,455; Jan. 21; Sp. p. 3618; Dr. p. 783; Gaz. vol. 132; p. 658.
 Rail-joint. J. Urbanek. No. 878,692; Feb. 11; Sp. p. 1698; Dr. p. 350; Gaz. vol. 132; p. 1146.
 Rail-joint. W. Newgent. No. 880,906; Mar. 3; Sp. p. 862; Dr. pp. 183-4; Gaz. vol. 133; p. 144.
 Rail-joint. S. Vlainic. No. 880,938; Mar. 3; Sp. p. 914; Dr. p. 197; Gaz. vol. 133; p. 154.
 Rail-joint. J. G. Smith. No. 881,160; Mar. 10; Sp. p. 1332; Dr. p. 286; Gaz. vol. 133; p. 256.
 Rail-joint. M. E. Semple. No. 881,348; Mar. 10; Sp. p. 1697; Dr. p. 367; Gaz. vol. 133; p. 317.
 Rail-joint. G. C. Brown. No. 882,291; Mar. 17; Sp. p. 3612; Dr. p. 765; Gaz. vol. 133; p. 651.
 Rail-joint. F. A. Collier. No. 883,089; Mar. 24; Sp. p. 5153; Dr. p. 1100; Gaz. vol. 133; p. 944.
 Rail-joint. J. P. H. Bailey. No. 883,508; Mar. 31; Sp. p. 6047; Dr. p. 1290; Gaz. vol. 133; p. 1114.
 Rail-joint. R. B. Kennington. No. 883,542; Mar. 31; Sp. p. 6128; Dr. p. 1303; Gaz. vol. 133; p. 1122.
 Rail-joint. W. D. Williams. No. 883,601; Mar. 31; Sp. p. 6224; Dr. p. 1327; Gaz. vol. 133; p. 1139.
 Rail-joint. S. Enderle. No. 884,268; Apr. 7; Sp. p. 1224; Dr. p. 258; Gaz. vol. 133; p. 1387.
 Rail-joint. J. D. Stitzell. No. 884,774; Apr. 14; Sp. p. 2280; Dr. p. 480; Gaz. vol. 133; p. 1582.
 Rail-joint. O. G. Cosner. No. 884,796; Apr. 14; Sp. p. 2326; Dr. p. 489; Gaz. vol. 133; p. 1590.
 Rail-joint. R. F. Wolynec. No. 885,122; Apr. 21; Sp. p. 2989; Dr. p. 631; Gaz. vol. 133; p. 1725.
 Rail-joint. J. H. Barnhart. No. 885,423; Apr. 21; Sp. p. 3613; Dr. p. 758; Gaz. vol. 133; p. 1824.
 Rail-joint. W. B. Taliaferro. No. 885,656; Apr. 21; Sp. p. 4080; Dr. p. 854; Gaz. vol. 133; p. 1896.
 Rail-joint. B. Wolhaupter. No. 886,105; Apr. 28; Sp. p. 5021; Dr. p. 1056; Gaz. vol. 133; p. 2074.
 Rail-joint. T. C. Adams. No. 886,107; Apr. 28; Sp. p. 5025; Dr. p. 1056; Gaz. vol. 133; p. 2075.
 Rail-joint. C. G. Skiles. No. 886,259; Apr. 28; Sp. p. 5300; Dr. p. 1116; Gaz. vol. 133; p. 2125.
 Rail-joint. J. C. Hafford. No. 886,972; May 5; Sp. p. 1261; Dr. p. 266; Gaz. vol. 134; p. 209.
 Rail-joint. W. H. Grosse. No. 887,792; May 19; Sp. p. 2962; Dr. p. 623; Gaz. vol. 134; p. 538.
 Rail-joint. F. Neralic. No. 889,034; May 26; Sp. p. 5456; Dr. p. 1159; Gaz. vol. 134; p. 974.
 Rail-joint. H. G. Gilmor. No. 889,454; June 2; Sp. p. 527; Dr. p. 123; Gaz. vol. 134; p. 1143.
 Rail-joint. W. Taylor. No. 889,645; June 2; Sp. p. 587; Dr. p. 204; Gaz. vol. 134; p. 1203.
 Rail-joint. P. H. Schlegel. No. 890,182; June 9; Sp. p. 1984; Dr. p. 438; Gaz. vol. 134; p. 1406.
 Rail-joint. S. Kühnle. No. 891,081; June 16; Sp. p. 3836; Dr. p. 838; Gaz. vol. 134; p. 1732.
 Rail-joint. S. Shuller. No. 892,191; June 30; Sp. p. 6096; Dr. p. 1310; Gaz. vol. 134; p. 2160.
 Rail-joint. H. S. Shafer. No. 892,557; July 7; Sp. p. 314; Dr. p. 69; Gaz. vol. 135; p. 59.
 Rail-joint. G. Ely. No. 893,315; July 14; Sp. p. 1865; Dr. p. 390; Gaz. vol. 135; p. 336.
 Rail-joint. J. Daugherty. No. 893,460; July 14; Sp. p. 2173; Dr. p. 457; Gaz. vol. 135; p. 384.
 Rail-joint. C. A. Dyer. No. 893,575; July 14; Sp. p. 2436; Dr. p. 597; Gaz. vol. 135; p. 421.
 Rail-joint. J. Mayer. No. 894,160; July 21; Sp. p. 3704; Dr. p. 768; Gaz. vol. 135; p. 644.
 Rail-joint. O. P. Hanson. No. 894,202; July 28; Sp. p. 3819; Dr. p. 790; Gaz. vol. 135; p. 679.
 Rail-joint. G. W. De Graw. No. 894,611; July 28; Sp. p. 4662; Dr. p. 968; Gaz. vol. 135; p. 813.
 Rail-joint. D. D. Wright. No. 894,712; July 28; Sp. p. 4845; Dr. p. 1007; Gaz. vol. 135; p. 845.

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 Rail-joint. B. S. Gillum. No. 895,253; Aug. 4; Sp. p. 967; Dr. p. 203; Gaz. vol. 135; p. 1054.
 Rail-joint. O. O'Neal. No. 895,274; Aug. 4; Sp. p. 1064; Dr. p. 223; Gaz. vol. 135; p. 1068.
 Rail-joint. H. J. Thomas, Jr. No. 895,909; Aug. 11; Sp. p. 2258; Dr. p. 482; Gaz. vol. 135; p. 1290.
 Rail-joint. T. J. Welch. No. 895,921; Aug. 11; Sp. p. 2281; Dr. p. 487; Gaz. vol. 135; p. 1294.
 Rail-joint. W. Oppelt. No. 896,040; Aug. 11; Sp. p. 2527; Dr. p. 549; Gaz. vol. 135; p. 1334.
 Rail-joint. J. R. Smith. No. 896,418; Aug. 18; Sp. p. 3267; Dr. p. 700; Gaz. vol. 135; p. 1476.
 Rail-joint. B. Koontz. No. 896,553; Aug. 18; Sp. p. 3540; Dr. p. 760; Gaz. vol. 135; p. 1521.
 Rail-joint. J. Bernhard and F. C. Schoepner. No. 896,615; Aug. 18; Sp. p. 3644; Dr. p. 782; Gaz. vol. 135; p. 1541.
 Rail-joint. J. Farrell. No. 896,716; Aug. 25; Sp. p. 3849; Dr. p. 832; Gaz. vol. 135; p. 1594.
 Rail-joint. H. J. Rickard. No. 896,858; Aug. 25; Sp. p. 4169; Dr. p. 893; Gaz. vol. 135; p. 1644.
 Rail-joint. W. H. Durell. No. 897,069; Aug. 25; Sp. p. 4640; Dr. p. 988; Gaz. vol. 135; p. 1715.
 Rail-joint. L. T. Stephenson. No. 897,172; Aug. 25; Sp. p. 4828; Dr. p. 1027; Gaz. vol. 135; p. 1746.
 Rail-joint. H. Walker and F. Weirs. No. 897,177; Aug. 25; Sp. p. 4838; Dr. p. 1029; Gaz. vol. 135; p. 1748.
 Rail-joint. H. R. Roth. No. 897,851; Sept. 1; Sp. p. 1240; Dr. pp. 265-6; Gaz. vol. 136; p. 197.
 Rail-joint. C. L. McVoy. No. 897,921; Sept. 8; Sp. p. 1404; Dr. p. 299; Gaz. vol. 136; p. 253.
 Rail-joint. P. W. Row. No. 898,006; Sept. 8; Sp. p. 1580; Dr. p. 337; Gaz. vol. 136; p. 280.
 Rail-joint. H. Markussen. No. 898,412; Sept. 8; Sp. p. 2361; Dr. p. 504; Gaz. vol. 136; p. 409.
 Rail-joint. J. D. Stitzell. No. 898,799; Sept. 15; Sp. p. 3114; Dr. p. 667; Gaz. vol. 136; p. 566.
 Rail-joint. J. A. Eicholz. No. 898,854; Sept. 15; Sp. p. 3214; Dr. p. 688; Gaz. vol. 136; p. 584.
 Rail-joint. M. E. Gilcrest. No. 898,867; Sept. 15; Sp. p. 3235; Dr. p. 693; Gaz. vol. 136; p. 588.
 Rail-joint. T. Olsen. No. 898,917; Sept. 15; Sp. p. 3329; Dr. p. 713; Gaz. vol. 136; p. 605.
 Rail-joint. H. C. Sandusky. No. 899,190; Sept. 22; Sp. p. 3855; Dr. p. 824; Gaz. vol. 136; p. 722.
 Rail-joint. D. C. Armstrong and W. P. Fitzgerald. No. 899,647; Sept. 29; Sp. p. 4765; Dr. p. 1019; Gaz. vol. 136; p. 905.
 Rail-joint. C. P. Brown. No. 899,655; Sept. 29; Sp. p. 4775; Dr. p. 1022; Gaz. vol. 136; p. 907.
 Rail-joint. E. May. No. 899,883; Sept. 29; Sp. p. 5258; Dr. p. 1124; Gaz. vol. 136; p. 982.
 Rail-joint. J. Caputo. No. 899,951; Sept. 29; Sp. p. 5407; Dr. p. 1153; Gaz. vol. 136; p. 1003.
 Rail-joint. F. J. Shelly. No. 901,391; Oct. 20; Sp. p. 2764; Dr. p. 563; Gaz. vol. 136; p. 1568.
 Rail-joint. P. P. Ragaller. No. 901,739; Oct. 20; Sp. p. 3528; Dr. p. 713; Gaz. vol. 136; p. 1683.
 Rail-joint. L. White. No. 901,857; Oct. 20; Sp. p. 3744; Dr. p. 761; Gaz. vol. 136; p. 1719.
 Rail-joint. M. F. Trenchard. No. 903,027; Nov. 3; Sp. p. 1003; Gaz. vol. 137; p. 164.
 Rail-joint. J. Wolfe and M. J. Kavanagh. No. 903,124; Nov. 3; Sp. p. 1179; Gaz. vol. 137; p. 192.
 Rail-joint. J. C. Rainey. No. 903,315; Nov. 10; Sp. p. 1552; Gaz. vol. 137; p. 287.
 Rail-joint. A. J. Holmquist. No. 904,205; Nov. 17; Sp. p. 3411; Gaz. vol. 137; p. 614.
 Rail-joint. A. W. Samberson. No. 904,364; Nov. 17; Sp. p. 3750; Gaz. vol. 137; p. 667.
 Rail-joint. B. Ohnimus. No. 904,802; Nov. 24; Sp. p. 4675; Gaz. vol. 137; p. 840.
 Rail-joint. J. F. Schonlau and G. R. Heinrich. No. 904,812; Nov. 24; Sp. p. 4699; Gaz. vol. 137; p. 844.
 Rail-joint. A. Sarko and E. Renci. No. 905,475; Dec. 1; Sp. p. 737; Gaz. vol. 137; p. 1102.
 Rail-joint. J. B. Baum. No. 905,783; Dec. 1; Sp. p. 1323; Gaz. vol. 137; p. 1200.
 Rail-joint. J. W. Flowers and L. H. Jernigan. No. 905,863; Dec. 8; Sp. p. 1449; Gaz. vol. 137; p. 1257.
 Rail-joint. A. H. Shoemaker. No. 906,072; Dec. 8; Sp. p. 1882; Gaz. vol. 137; p. 1323.
 Rail-joint. J. Martin. No. 906,250; Dec. 8; Sp. p. 2232; Gaz. vol. 137; p. 1383.
 Rail-joint. J. E. Salkeld. No. 906,302; Dec. 8; Sp. p. 2331; Gaz. vol. 137; p. 1400.
 Rail-joint. C. D. Backus. No. 906,364; Dec. 8; Sp. p. 2444; Gaz. vol. 137; p. 1419.
 Rail-joint. J. W. Hawk. No. 906,796; Dec. 15; Sp. p. 3240; Gaz. vol. 137; p. 1581.
 Rail-joint. T. Heiney. No. 907,048; Dec. 15; Sp. p. 3711; Gaz. vol. 137; p. 1661.
 Rail-joint. C. Huss. No. 907,805; Dec. 29; Sp. p. 5320; Gaz. vol. 137; p. 1980.
 Rail-joint. G. K. Ponder and J. Shook. No. 908,421; Dec. 29; Sp. p. 6611; Gaz. vol. 137; p. 2187.
 Rail-joint and anti-rail-spreader. Combined. A. H. Newpher. No. 901,026; Oct. 13; Sp. p. 2026; Dr. p. 411; Gaz. vol. 136; p. 1413.
 Rail joint and brace. L. T. Joerden. No. 891,546; June 23; Sp. p. 4787; Dr. pp. 1035-6; Gaz. vol. 134; p. 1915.
 Rail joint and brace. J. Farrell. No. 903,460; Nov. 10; Sp. p. 1839; Gaz. vol. 137; p. 334.
 Rail-joint and cross-tie. S. Michaels. No. 886,233; Apr. 28; Sp. p. 5251; Dr. p. 1106; Gaz. vol. 133; p. 2115.
 Rail-joint and fastener. I. Johnson. No. 896,549; Aug. 18; Sp. p. 3533; Dr. p. 759; Gaz. vol. 135; p. 1520.
 Rail-joint and nut-lock. Combination. C. W. Bridgeum. No. 907,564; Dec. 22; Sp. p. 4751; Gaz. vol. 137; p. 1868.
 Rail-joint and nut-lock therefor. J. B. Baum. No. 875,768; Jan. 7; Sp. p. 174; Dr. p. 37; Gaz. vol. 132; p. 33.
 Rail-joint castings, Apparatus for molding. J. H. Allen. No. 882,660; Mar. 24; Sp. p. 4312; Dr. p. 916; Gaz. vol. 133; p. 805.
 Rail-joint chair and fastening. M. Lachance. No. 897,751; Sept. 1; Sp. p. 1028; Dr. p. 218; Gaz. vol. 136; p. 166.
 Rail joint, chair, and tie. J. Frampton. No. 896,001; Aug. 11; Sp. p. 2455; Dr. p. 530; Gaz. vol. 135; p. 1321.
 Rail-joint, Continuous. R. C. McClure. No. 884,518; Apr. 14; Sp. p. 1723; Dr. p. 370; Gaz. vol. 133; p. 1496.
 Rail-joint, Device for securing bond-wires to a. W. M. Post. No. 891,860; June 30; Sp. p. 5462; Dr. p. 1180; Gaz. vol. 134; p. 2052.
 Rail-joint fastening. A. F. Sweigart. No. 900,325; Oct. 6; Sp. p. 541; Dr. p. 112; Gaz. vol. 136; p. 1157.
 Rail-joint, Insulated. P. J. Dalton. No. 877,057; Jan. 21; Sp. p. 2830; Dr. pp. 611-12; Gaz. vol. 132; p. 528.
 Rail-joint, Insulated. B. Wolhaupter. No. 878,588; Feb. 11; Sp. p. 1505; Dr. p. 306; Gaz. vol. 132; p. 1113.
 Rail-joint, Insulated. B. Wolhaupter. No. 889,288; June 2; Sp. p. 188; Dr. pp. 47-8; Gaz. vol. 134; p. 1088.
 Rail-joint, Insulated. A. Morrison. No. 894,032; July 21; Sp. p. 3464; Dr. p. 709; Gaz. vol. 135; p. 603.
 Rail-joint, Insulated. B. G. Braine. No. 895,839; Aug. 11; Sp. p. 2136; Dr. p. 453; Gaz. vol. 135; p. 1268.
 Rail-joint, Insulated compromise. B. Wolhaupter. No. 877,817; Jan. 28; Sp. p. 4323; Dr. p. 939; Gaz. vol. 132; p. 794.
 Rail-joint, Insulating. B. Wolhaupter. No. 882,041; Mar. 17; Sp. p. 3137; Dr. p. 666; Gaz. vol. 133; p. 570.
 Rail-joint nut-locking device. R. Richards. No. 896,578; Aug. 18; Sp. p. 3579; Dr. p. 770; Gaz. vol. 135; p. 1529.
 Rail-joint supporter. L. Winans. No. 903,528; Nov. 10; Sp. p. 1990; Gaz. vol. 137; p. 357.
 Rail-joint, Three-tie step-up. G. L. Hall. No. 890,422; June 9; Sp. p. 2473; Dr. p. 548; Gaz. vol. 134; p. 1483.
 Rail joint, Track-. J. C. Riggs. No. 897,784; Sept. 1; Sp. p. 1097; Dr. p. 235; Gaz. vol. 136; p. 176.
 Rail-joint truss. R. S. Handford. No. 884,382; Apr. 14; Sp. p. 1452; Dr. p. 309; Gaz. vol. 133; p. 1453.
 Rail-joints, Combined angle-bar nut-lock and base-plate for. H. N. Northoff. No. 889,856; June 2; Sp. p. 1294; Dr. p. 296; Gaz. vol. 134; p. 1271.
 Rail-joints, Means for forming electrically-bonded. H. G. Gillmor. No. 880,788; Mar. 3; Sp. p. 602; Dr. p. 128; Gaz. vol. 133; p. 104.
 Rail-joints, Reinforced angle-bar for. B. Wolhaupter. No. 878,589; Feb. 11; Sp. p. 1507; Dr. pp. 306-7; Gaz. vol. 132; p. 1113.
 Rail-lift. T. J. Wasser. No. 880,344; Feb. 25; Sp. p. 5049; Dr. p. 1066; Gaz. vol. 132; p. 1757.
 Rail-lock and tie-plate. W. N. Reynolds. No. 886,248; Apr. 28; Sp. p. 5276; Dr. p. 1111; Gaz. vol. 133; p. 2120.
 Rail, Protected high-potential. A. H. Armstrong. No. 907,712; Dec. 29; Sp. p. 5126; Gaz. vol. 137; p. 1948.
 Rail protector, Third-. F. D. Sharp. No. 879,683; Feb. 18; Sp. p. 3698; Dr. p. 774; Gaz. vol. 132; p. 1507.
 Rail, Rack-. F. L. Sessions. No. 896,766; Aug. 25; Sp. p. 3963; Dr. p. 853; Gaz. vol. 135; p. 1611.
 Rail-retainer. T. J. Donovan. No. 902,384; Oct. 27; Sp. p. 4840; Dr. p. 979; Gaz. vol. 136; p. 1921.
 Rail-securing appliance. A. C. Smith. No. 896,593; Aug. 18; Sp. p. 3611; Dr. p. 775; Gaz. vol. 135; p. 1534.
 Rail-spacing block, Guard-. F. W. Rizer. No. 900,209; Oct. 6; Sp. p. 289; Dr. p. 58; Gaz. vol. 136; p. 1119.
 Rail-spike supporter and protector. J. Murray. No. 887,830; May 19; Sp. p. 3050; Dr. p. 641; Gaz. vol. 134; p. 551.
 Rail-splice. W. C. Crosby. No. 885,666; Apr. 21; Sp. p. 4097; Dr. p. 857; Gaz. vol. 133; p. 1899.
 Rail-splice. J. A. Kretzer. No. 891,707; June 23; Sp. p. 5135; Dr. p. 1110; Gaz. vol. 134; p. 1970.
 Rail-splice. L. P. Schraumm. No. 892,313; June 30; Sp. p. 6328; Dr. p. 1362; Gaz. vol. 134; p. 2200.
 Rail-splice. W. D. McKeown. No. 894,038; July 21; Sp. p. 3474; Dr. p. 711; Gaz. vol. 135; p. 605.
 Rail-splice. G. W. Blanchard. No. 897,707; Sept. 1; Sp. p. 944; Dr. p. 201; Gaz. vol. 136; p. 151.
 Rail-splice. C. M. Culp. No. 901,524; Oct. 20; Sp. p. 3066; Dr. p. 627; Gaz. vol. 136; p. 1612.
 Rail-stay. J. M. Scott. No. 897,307; Sept. 1; Sp. p. 70; Dr. p. 18; Gaz. vol. 136; p. 15.
 Rail-support. G. M. Côté. No. 900,667; Oct. 6; Sp. p. 1276; Dr. p. 261; Gaz. vol. 136; p. 1269.
 Rail-support. T. N. Jacob. No. 904,438; Nov. 17; Sp. p. 3892; Gaz. vol. 137; p. 691.
 Rail, Third. W. J. Wilgus and F. J. Sprague. No. 908,180; Dec. 29; Sp. p. 6090; Gaz. vol. 137; p. 2103.
 Rail-tie. R. C. Nichols. No. 883,562; Mar. 31; Sp. p. 6161; Dr. p. 1310; Gaz. vol. 133; p. 1128.
 Rail-tie. C. A. Murphy. No. 884,190; Apr. 7; Sp. p. 1091; Dr. p. 228; Gaz. vol. 133; p. 1361.
 Rail-tie. W. H. Mayer and I. O. Burch. No. 898,982; Sept. 15; Sp. p. 3440; Dr. p. 738; Gaz. vol. 136; p. 626.
 Rail-tie. T. B. Modlin. No. 902,312; Oct. 27; Sp. p. 4697; Dr. p. 951; Gaz. vol. 136; p. 1897.
 Rail tie and brace. J. Frampton. No. 885,595; Apr. 21; Sp. p. 3949; Dr. p. 824; Gaz. vol. 133; p. 1876.
 Rail tie and fastener. T. Johnson. No. 891,547; June 23; Sp. p. 4790; Dr. p. 1036; Gaz. vol. 134; p. 1915.
 Rail tie and fastener. J. M. Farra. No. 899,390; Sept. 22; Sp. p. 4227; Dr. p. 905; Gaz. vol. 136; p. 784.

Alphabetical list of inventions—Continued.

- Rail tie and fastening. J. H. Lewis. No. 900,028; Sept. 29; Sp. p. 5571; Dr. p. 1190; Gaz. vol. 136; p. 1029.
 Rail-tie and fastening means. R. S. Scott. No. 884,867; Apr. 14; Sp. p. 2466; Dr. p. 519; Gaz. vol. 133; p. 1613.
 Rail-tie and rail-fastening. Metallic. T. M. Lavelle. No. 906,242; Dec. 8; Sp. p. 2221; Gaz. vol. 137; p. 1380.
 Rail-tie, Metal. G. L. Hindman. No. 880,381; Feb. 25; Sp. p. 5124; Dr. p. 1082; Gaz. vol. 132; p. 1769.
 Rail-tie, Metallic. L. R. Custer. No. 882,298; Mar. 17; Sp. p. 3621; Dr. p. 768; Gaz. vol. 133; p. 653.
 Rail-tie, Metallic. A. S. Kazimer. No. 899,990; Sept. 29; Sp. p. 5489; Dr. p. 1169; Gaz. vol. 136; p. 1016.
 Rail, Track-. R. Heinen. No. 888,167; May 19; Sp. p. 3691; Dr. pp. 769-70; Gaz. vol. 134; p. 659.
 Rails, Anticreeper for. A. Bonzano. No. 890,328; June 8; Sp. p. 2307; Dr. p. 509; Gaz. vol. 134; p. 1453.
 Rails, Anticreeper device for. R. F. Downey. No. 902,567; Nov. 3; Sp. p. 69; Gaz. vol. 137; p. 12.
 Rails, Crossing or connection for. W. D. Smith. No. 897,169; Aug. 25; Sp. p. 4825; Dr. p. 1026; Gaz. vol. 135; p. 1746.
 Rails, Device for preventing spreading of. C. L. McVoy. No. 899,426; Sept. 22; Sp. p. 4294; Dr. p. 922; Gaz. vol. 136; p. 796.
 Rails, Device for preventing the creeping of. L. P. Bonnell. No. 905,835; Dec. 8; Sp. p. 1433; Gaz. vol. 137; p. 1248.
 Rails, Improving steel. R. A. Hadfield. No. 879,634; Feb. 18; Sp. p. 3594; Gaz. vol. 132; p. 1491.
 Rails, Means of forming joints and bonds in. H. G. Gilmor. No. 898,869; Sept. 15; Sp. p. 3239; Dr. p. 694; Gaz. vol. 136; p. 589.
 Rails shifting or creeping, Device for preventing. A. Dameris. No. 892,505; July 7; Sp. p. 230; Dr. p. 48; Gaz. vol. 135; p. 42.
 Railing. W. Bayley. No. 897,571; Sept. 1; Sp. p. 681; Dr. pp. 142-3; Gaz. vol. 136; p. 107.
 Railway. G. Dippel and C. Koenig. No. 879,750; Feb. 18; Sp. p. 3825; Dr. p. 801; Gaz. vol. 132; p. 1529.
 Railway, Aerial. S. Y. Sweeney. No. 889,642; June 2; Sp. p. 881; Dr. p. 202; Gaz. vol. 134; p. 1202.
 Railway, Aerial. F. Hooker. No. 898,739; Sept. 15; Sp. p. 3007; Dr. p. 644; Gaz. vol. 136; p. 547.
 Railway-alarm, Automatic. N. Lang. No. 904,971; Nov. 24; Sp. p. 5024; Gaz. vol. 137; p. 896.
 Railway, Amusement-. J. H. Dewey. No. 886,958; May 5; Sp. p. 1230; Dr. pp. 260-1; Gaz. vol. 134; p. 205.
 Railway and like rails, Chair for street-. W. Strong. No. 887,541; May 12; Sp. p. 2471; Dr. p. 521; Gaz. vol. 134; p. 425.
 Railway and like vehicles, Brake mechanism for. E. S. Luard. No. 905,444; Dec. 1; Sp. p. 673; Gaz. vol. 137; p. 1091.
 Railway and other vehicles, Automatic coupling for. G. J. Coles. No. 901,071; Oct. 13; Sp. p. 2104; Dr. p. 428; Gaz. vol. 136; p. 1427.
 Railway and road vehicle. R. C. Sayer. No. 901,194; Oct. 13; Sp. p. 2324; Dr. p. 476; Gaz. vol. 136; p. 1466.
 Railway apparatus, Controlling means for. H. C. Williams and F. B. Harrington. No. 892,637; July 7; Sp. p. 477; Dr. pp. 101-2; Gaz. vol. 135; p. 85.
 Railway apparatus, Cooling system for electric-. W. S. Moody. No. 877,467; Jan. 21; Sp. p. 3638; Dr. p. 788; Gaz. vol. 132; p. 661.
 Railway appliances, Controlling apparatus for. H. C. Williams and F. B. Harrington. No. 892,636; July 7; Sp. p. 476; Dr. p. 101; Gaz. vol. 135; p. 84.
 Railway automatic switch-iron, Street-. W. K. Reichner. No. 885,788; Apr. 28; Sp. p. 4361; Dr. p. 915; Gaz. vol. 133; p. 1969.
 Railway block-signal. D. H. Coker and W. A. Scarbrough. No. 886,947; May 5; Sp. p. 1212; Dr. p. 256; Gaz. vol. 134; p. 201.
 Railway block-signal. J. Shannon and J. E. Wood. No. 900,315; Oct. 6; Sp. p. 519; Dr. pp. 108-9; Gaz. vol. 136; p. 1154.
 Railway block-signal system. J. T. West. No. 900,456; Oct. 6; Sp. p. 823; Dr. pp. 168-9; Gaz. vol. 136; p. 1200.
 Railway block-signaling system. H. M. Coulter. No. 904,116; Nov. 17; Sp. p. 3198; Gaz. vol. 137; p. 581.
 Railway block-signaling system, Automatic. S. M. Young. No. 876,419; Jan. 14; Sp. p. 1474; Dr. p. 316; Gaz. vol. 132; p. 272.
 Railway block-system. O. Barnsh. No. 881,766; Mar. 10; Sp. p. 2524; Dr. pp. 543-4; Gaz. vol. 133; p. 450.
 Railway bond, Electric-. J. Dolan. No. 890,030; June 9; Sp. p. 1667; Dr. p. 371; Gaz. vol. 134; p. 1355.
 Railway-brace. F. J. Taber. No. 905,763; Dec. 1; Sp. p. 1288; Gaz. vol. 137; p. 1193.
 Railway-brake. A. L. Streeter. No. 889,984; June 9; Sp. p. 1566; Dr. pp. 353-4; Gaz. vol. 134; p. 1339.
 Railway-brake. W. H. H. Diefenbach. No. 893,611; July 21; Sp. p. 2509; Dr. p. 522; Gaz. vol. 135; p. 462.
 Railway-brake. C. F. Gerlinger. No. 895,851; Aug. 11; Sp. p. 2161; Dr. p. 459; Gaz. vol. 135; p. 1272.
 Railway brake-beam. S. A. Crone. No. 902,055; Oct. 27; Sp. p. 4162; Dr. p. 842; Gaz. vol. 136; p. 1814.
 Railway brake-beam. S. A. Crone. No. 902,138; Oct. 27; Sp. p. 4322; Dr. p. 875; Gaz. vol. 136; p. 1840.
 Railway-brake, Drop-lever. W. C. Watson. No. 898,416; Sept. 8; Sp. p. 2367; Dr. p. 505; Gaz. vol. 136; p. 410.
 Railway-brake, Fluid-pressure. W. A. Weant. No. 881,751; Mar. 10; Sp. p. 2502; Dr. p. 539; Gaz. vol. 133; p. 446.
 Railway brake-setting apparatus. J. J. McNamee. No. 867,387; Jan. 14; Sp. p. 1398; Dr. p. 302; Gaz. vol. 132; p. 262.
 Railway brake-shoe. L. A. Gibbs. No. 903,816; Nov. 10; Sp. p. 2567; Gaz. vol. 137; p. 448.
 Railway bumping-post. J. A. Thomason. No. 896,599; Aug. 18; Sp. p. 3618; Dr. pp. 776-7; Gaz. vol. 135; p. 1536.
 Railway-car air-brake system. D. A. Dean. No. 904,412; Nov. 17; Sp. p. 3340; Gaz. vol. 137; p. 683.
 Railway-car draft-rigging. W. Yost. No. 895,062; Aug. 4; Sp. p. 573; Dr. p. 118; Gaz. vol. 135; p. 989.
 Railway-carriages and the like, Ventilating system for. S. Timochowitsch. No. 900,614; Oct. 6; Sp. p. 1168; Dr. p. 238; Gaz. vol. 136; p. 1232.
 Railway catcher and delivery system. M. C. Keeffe. No. 896,024; Aug. 11; Sp. p. 2498; Dr. pp. 540-1; Gaz. vol. 135; p. 1328.
 Railway cattle-guard. J. Brown and W. H. Sheboune. No. 886,937; May 5; Sp. p. 1196; Dr. p. 253; Gaz. vol. 134; p. 198.
 Railway cattle-guard, Automatic. R. M. Wark. No. 885,552; Apr. 21; Sp. p. 3881; Dr. p. 811; Gaz. vol. 133; p. 1864.
 Railway-chair. F. J. Sterner. No. 881,737; Mar. 10; Sp. p. 2475; Dr. p. 532; Gaz. vol. 133; p. 441.
 Railway-chair. S. Wheelhouse. No. 895,819; Aug. 11; Sp. p. 2096; Dr. p. 444; Gaz. vol. 135; p. 1261.
 Railway-chair and rail-fastener, Combined. V. Malik and E. W. Cook. No. 887,488; May 12; Sp. p. 2376; Dr. p. 499; Gaz. vol. 134; p. 408.
 Railway-coach vestibules, Step-cover for. T. H. Kane and A. J. Urtubees. No. 899,540; Sept. 29; Sp. p. 4532; Dr. p. 974; Gaz. vol. 136; p. 870.
 Railway-conductor's folder and car-record. A. Keiser. No. 876,062; Jan. 7; Sp. p. 726; Dr. p. 155; Gaz. vol. 132; p. 126.
 Railway, Conduit electric. L. W. Musick. No. 884,517; Apr. 14; Sp. p. 1721; Dr. pp. 369-70; Gaz. vol. 133; p. 1496.
 Railway conduit, Electric-. E. E. Granger. No. 898,216; Sept. 8; Sp. p. 1991; Dr. pp. 424-5; Gaz. vol. 136; p. 346.
 Railway construction. A. L. Bush. No. 905,645; Dec. 1; Sp. p. 1070; Gaz. vol. 137; p. 1155.
 Railway construction. A. H. Yerkes. No. 907,938; Dec. 29; Sp. p. 5580; Gaz. vol. 137; p. 2021.
 Railway construction, Elevated-. C. T. Harvey. No. 893,495; July 14; Sp. p. 2251; Dr. pp. 471-3; Gaz. vol. 135; p. 395.
 Railway cross-tie. D. R. L. Boyd. No. 876,140; Jan. 7; Sp. p. 891; Dr. p. 192; Gaz. vol. 132; p. 151.
 Railway cross-tie. G. R. Mavis. No. 889,028; May 26; Sp. p. 5443; Dr. p. 1157; Gaz. vol. 134; p. 972.
 Railway cross-tie. J. B. Kenney. No. 893,327; July 14; Sp. p. 1859; Dr. p. 395; Gaz. vol. 135; p. 340.
 Railway cross-tie. W. Boyer. No. 895,949; Aug. 11; Sp. p. 2345; Dr. p. 502; Gaz. vol. 135; p. 1303.
 Railway cross-tie. E. G. Gay. No. 897,612; Sept. 1; Sp. p. 766; Dr. p. 161; Gaz. vol. 136; p. 121.
 Railway cross-tie. W. Clement. No. 897,819; Sept. 1; Sp. p. 1175; Dr. p. 249; Gaz. vol. 136; p. 186.
 Railway cross-tie. C. T. Moore. No. 897,918; Sept. 8; Sp. p. 1399; Dr. p. 298; Gaz. vol. 136; p. 252.
 Railway cross-tie. J. O. Hickman. No. 906,710; Dec. 15; Sp. p. 3075; Gaz. vol. 137; p. 1554.
 Railway cross-tie and connection for rails on ties, Metallic. M. Shaner. No. 889,725; June 2; Sp. p. 1053; Dr. p. 243; Gaz. vol. 134; p. 1228.
 Railway cross-tie, Composite. M. F. Bonzano. No. 893,430; July 14; Sp. p. 2104; Dr. p. 441; Gaz. vol. 135; p. 374.
 Railway-cross-tie lift. E. L. Barton. No. 899,373; Sept. 22; Sp. p. 4203; Dr. p. 900; Gaz. vol. 136; p. 780.
 Railway-crossing. A. Hosmer. No. 877,340. Jan. 21; Sp. p. 3400; Dr. pp. 737-8; Gaz. vol. 132; p. 621.
 Railway-crossing. G. D. Shoop. No. 878,677; Feb. 11; Sp. p. 1675; Dr. p. 345; Gaz. vol. 132; p. 1142.
 Railway-crossing. A. Bertrand. No. 881,054; Mar. 10; Sp. p. 2322; Dr. p. 503; Gaz. vol. 133; p. 417.
 Railway-crossing. C. S. Mossop. No. 890,291; June 9; Sp. p. 2228; Dr. pp. 489-90; Gaz. vol. 134; p. 1441.
 Railway-crossing. L. Alexander and S. L. Gano. No. 893,693; July 21; Sp. p. 2664; Dr. p. 539; Gaz. vol. 135; p. 489.
 Railway-crossing. A. Tibbs. No. 895,600; Aug. 11; Sp. p. 1650; Dr. p. 348; Gaz. vol. 135; p. 1191.
 Railway-crossing. E. T. Dumas. No. 895,985; Aug. 11; Sp. p. 2428; Dr. p. 521; Gaz. vol. 135; p. 1315.
 Railway-crossing. F. Halley. No. 898,466; Sept. 15; Sp. p. 2480; Dr. p. 530; Gaz. vol. 136; p. 459.
 Railway-crossing. J. H. Hand. No. 901,292; Oct. 13; Sp. p. 2327; Dr. p. 519; Gaz. vol. 136; p. 1497.
 Railway-crossing. P. O. Adams. No. 904,037; Nov. 17; Sp. p. 3046; Gaz. vol. 137; p. 554.
 Railway-crossing. A. Gerstner. No. 905,689; Dec. 1; Sp. p. 1143; Gaz. vol. 137; p. 1168.
 Railway-crossing. F. M. Strickland. No. 908,351; Dec. 29; Sp. p. 6459; Gaz. vol. 137; p. 2162.
 Railway-crossing alarm. D. W. Thomas. No. 884,537; Apr. 14; Sp. p. 1758; Dr. pp. 377-8; Gaz. vol. 133; p. 1502.
 Railway-crossing frog. M. J. Walsh. No. 902,268; Oct. 27; Sp. p. 4591; Dr. p. 932; Gaz. vol. 136; p. 1882.
 Railway-crossing gate, Automatic. H. W. Conde. No. 880,721; Mar. 3; Sp. p. 459; Dr. pp. 97-8; Gaz. vol. 133; p. 81.
 Railway-crossing gate, Automatic. K. Grzeslowski. No. 886,321; Apr. 28; Sp. p. 5441; Dr. pp. 1140-1; Gaz. vol. 133; p. 2147.
 Railway-crossings, Automatic signal for. A. Aretz. No. 879,718; Feb. 18; Sp. p. 3762; Dr. p. 789; Gaz. vol. 132; p. 1518.
 Railway-crossings, Electrically-operated signal for. G. W. Lancaster. No. 892,857; July 7; Sp. p. 929; Dr. pp. 196-7; Gaz. vol. 135; p. 155.
 Railway-crossover. G. W. Wrightson. No. 891,390; June 23; Sp. p. 4470; Dr. pp. 973-4; Gaz. vol. 134; p. 1865.
 Railway current-collector, Electric-. P. Fiori and P. E. Herkner. No. 896,319; Aug. 18; Sp. p. 3065; Dr. p. 660; Gaz. vol. 135; p. 1445.
 Railway curve-lubricator, Automatic. E. O. Hicks. No. 905,531; Dec. 1; Sp. p. 856; Gaz. vol. 137; p. 1119.
 Railway curve-tester and gage. J. T. Taylor. No. 880,837; Mar. 3; Sp. p. 720; Dr. p. 151; Gaz. vol. 133; p. 122.

Alphabetical list of inventions—Continued.

- Railway danger-signaling and telephoning apparatus. E. Sughroue. No. 886,269; Apr. 28; Sp. p. 5320; Dr. p. 1120; Gaz. vol. 133; p. 2123.
- Railway derailing system. W. R. McCollom. No. 903,303; Nov. 10; Sp. p. 1530; Gaz. vol. 137; p. 283.
- Railway device, Amusement. E. H. Skinner. No. 896,944; Aug. 25; Sp. p. 4360; Dr. p. 935; Gaz. vol. 135; p. 1672.
- Railway draft-rigging. C. J. Nash. No. 877,943; Feb. 4; Sp. p. 99; Dr. p. 22; Gaz. vol. 132; p. 865.
- Railway, Electric. O. D. Prescott. No. 876,659; Jan. 14; Sp. p. 2015; Dr. p. 439; Gaz. vol. 132; p. 357.
- Railway, Electric. A. C. Eastwood. No. 884,646; Apr. 14; Sp. p. 2018; Dr. p. 431; Gaz. vol. 133; p. 1539.
- Railway, Electric. C. von Ginzinsky and W. McClure. No. 889,277; June 2; Sp. p. 165; Dr. p. 40-1; Gaz. vol. 134; p. 1085.
- Railway, Electric. L. H. Thullen. No. 890,198; June 9; Sp. p. 2015; Dr. p. 444; Gaz. vol. 134; p. 1411.
- Railway, Electric. M. A. Lazareff. No. 894,217; July 28; Sp. p. 3846; Dr. p. 797; Gaz. vol. 135; p. 683.
- Railway, Electric. J. Mayer. No. 894,964; Aug. 4; Sp. p. 374; Dr. p. 76; Gaz. vol. 135; p. 956.
- Railway, Electric. J. A. Garey. No. 896,071; Aug. 11; Sp. p. 2583; Dr. p. 561; Gaz. vol. 135; p. 1343.
- Railway electric signaling. J. Hutchinson. No. 898,219; Sept. 8; Sp. p. 2009; Dr. p. 427; Gaz. vol. 136; p. 347.
- Railway electric signaling system. J. Hutchinson. No. 898,221; Sept. 8; Sp. p. 2017; Dr. p. 428; Gaz. vol. 136; p. 347.
- Railway electric signaling system. A. P. Rickmire. No. 899,134; Sept. 22; Sp. p. 3729; Dr. p. 798-9; Gaz. vol. 136; p. 703.
- Railway electric signaling system. W. J. Higgins and C. J. Sheridan. No. 901,899; Oct. 20; Sp. p. 3819; Dr. p. 778; Gaz. vol. 136; p. 1733.
- Railway electrical block-signaling system. G. H. Brown. No. 906,861; Dec. 15; Sp. p. 3380; Gaz. vol. 137; p. 1602.
- Railway, Elevated. N. B. Dixon. No. 900,269; Oct. 6; Sp. p. 426; Dr. p. 87; Gaz. vol. 136; p. 1138.
- Railway equipment. A. Pacios. No. 895,784; Aug. 11; Sp. p. 2030; Dr. p. 430; Gaz. vol. 135; p. 1250.
- Railway-fender, Air-actuated. S. S. Johnson and H. A. Thompson. No. 896,212; Aug. 18; Sp. p. 2838; Dr. p. 612; Gaz. vol. 135; p. 1410.
- Railway fish-plate. G. T. Wilson. No. 879,935; Feb. 25; Sp. p. 4249; Dr. p. 888; Gaz. vol. 132; p. 1624.
- Railway-frog. O. F. Rost. No. 885,298; Apr. 21; Sp. p. 3355; Dr. p. 701; Gaz. vol. 133; p. 1783.
- Railway-frog. G. H. Trisch. No. 886,897; May 5; Sp. p. 1126; Dr. p. 236; Gaz. vol. 134; p. 185.
- Railway-frog. E. N. Strom. No. 888,203; May 19; Sp. p. 3751; Dr. p. 788; Gaz. vol. 134; p. 670.
- Railway-frog. S. Canty. No. 889,199; June 2; Sp. p. 22; Dr. p. 5; Gaz. vol. 134; p. 1061.
- Railway-frog. G. L. Bell. No. 889,747; June 2; Sp. p. 1093; Dr. p. 253; Gaz. vol. 134; p. 1235.
- Railway-frog. J. B. Strong and G. E. Haring. No. 895,698; Aug. 11; Sp. p. 1840; Dr. p. 391; Gaz. vol. 135; p. 1223.
- Railway-frog. W. H. Rabbe, E. W. Harden, and M. E. Dempsey. No. 900,422; Oct. 6; Sp. p. 732; Dr. p. 153; Gaz. vol. 136; p. 1189.
- Railway-frog. G. C. Lucas. No. 902,589; Nov. 3; Sp. p. 123; Gaz. vol. 137; p. 20.
- Railway-frog. B. J. Morgan. No. 906,544; Dec. 15; Sp. p. 2770; Gaz. vol. 137; p. 1503.
- Railway frog or crossing. C. W. Reinoehl and B. L. Weaver. No. 887,847; May 19; Sp. p. 3085; Dr. p. 647; Gaz. vol. 134; p. 556.
- Railway frog or crossing. C. W. Reinoehl and B. L. Weaver. No. 896,154; Aug. 18; Sp. p. 2726; Dr. p. 587; Gaz. vol. 135; p. 1390.
- Railway-frogs and the like, Heel-block for. B. L. Weaver and C. W. Reinoehl. No. 881,983; Mar. 17; Sp. p. 2996; Dr. p. 640; Gaz. vol. 133; p. 551.
- Railway-frogs and the like, Heel-block for. B. L. Weaver and C. W. Reinoehl. No. 881,983; Mar. 17; Sp. p. 2997; Dr. p. 640; Gaz. vol. 133; p. 552.
- Railway-frogs and the like, Heel-block for. B. L. Weaver and C. W. Reinoehl. No. 881,984; Mar. 17; Sp. p. 2998; Dr. p. 640; Gaz. vol. 133; p. 552.
- Railway-frogs and the like, Heel-block for. W. M. Henderson. No. 898,646; Sept. 15; Sp. p. 2839; Dr. p. 606; Gaz. vol. 136; p. 517.
- Railway-gate. J. R. Hinton. No. 875,814; Jan. 7; Sp. p. 261; Dr. p. 56; Gaz. vol. 132; p. 48.
- Railway-gate. W. H. Karn. No. 886,816; May 5; Sp. p. 985; Dr. pp. 206-7; Gaz. vol. 134; p. 161.
- Railway-gate. A. Wyper. No. 888,568; May 26; Sp. p. 4496; Dr. pp. 952-3; Gaz. vol. 134; p. 823.
- Railway-gate. L. A. Wheelock. No. 893,683; July 21; Sp. p. 2644; Dr. pp. 554-5; Gaz. vol. 135; p. 486.
- Railway-gate. A. Spies. No. 894,987; Aug. 4; Sp. p. 429; Dr. p. 88; Gaz. vol. 135; p. 964.
- Railway-gate. E. E. Sampson. No. 900,125; Oct. 6; Sp. p. 116; Dr. pp. 24-5; Gaz. vol. 136; p. 1091.
- Railway gate and signal, Automatic. F. Kroll. No. 883,546; Mar. 31; Sp. p. 6134; Dr. p. 1304; Gaz. vol. 133; p. 1123.
- Railway-gate, Automatic. J. Pernat. No. 882,342; Mar. 17; Sp. p. 3709; Dr. pp. 788-9; Gaz. vol. 133; p. 668.
- Railway-gate, Automatic. E. C. Smith. No. 903,905; Nov. 17; Sp. p. 2781; Gaz. vol. 137; p. 511.
- Railway-gate, Electric. R. M. McGee. No. 886,842; May 5; Sp. p. 1023; Dr. p. 215; Gaz. vol. 134; p. 168.
- Railway guard-rail appliance. E. Muir. No. 892,869; July 7; Sp. p. 952; Dr. p. 200; Gaz. vol. 137; p. 160.
- Railway-joint. B. U. Annas. No. 877,694; Jan. 28; Sp. p. 4117; Dr. p. 891; Gaz. vol. 132; p. 757.
- Railway-joint. J. H. Kochenderfer. No. 879,475; Feb. 18; Sp. p. 3251; Dr. p. 677; Gaz. vol. 132; p. 1438.
- Railway joint-chair. C. Herndon. No. 882,200; Mar. 17; Sp. p. 3432; Dr. p. 729; Gaz. vol. 133; p. 621.
- Railway journal-box appliance. W. F. Bentley. No. 876,764; Jan. 14; Sp. p. 2193; Dr. p. 482; Gaz. vol. 132; p. 389.
- Railway-lantern. A. McDonald. No. 907,267; Dec. 22; Sp. p. 4191; Gaz. vol. 137; p. 1771.
- Railway offset joint. J. H. Allen. No. 879,938; Feb. 25; Sp. p. 4252; Dr. p. 889; Gaz. vol. 132; p. 1625.
- Railway, Overhead electric. F. M. Frederick. No. 904,525; Nov. 24; Sp. p. 4100; Gaz. vol. 137; p. 747.
- Railway, Overhead electric. F. M. Frederick. No. 904,526; Nov. 24; Sp. p. 4103; Gaz. vol. 137; p. 747.
- Railway, Pleasure-. H. A. Lockwood. No. 877,100; Jan. 21; Sp. p. 2908; Dr. p. 629; Gaz. vol. 132; p. 541.
- Railway, Pleasure-. T. G. and W. H. Mayberry. No. 879,283; Feb. 18; Sp. p. 2837; Dr. p. 595; Gaz. vol. 132; p. 1376.
- Railway, Pleasure-. J. C. Reckweg. No. 880,040; Feb. 25; Sp. p. 4459; Dr. p. 936; Gaz. vol. 132; p. 1657.
- Railway, Pleasure-. E. F. Gardner and A. J. Schmidt. No. 881,788; Mar. 10; Sp. p. 2565; Dr. p. 551; Gaz. vol. 133; p. 458.
- Railway, Pleasure-. J. F. Morrissey. No. 888,111; May 19; Sp. p. 3594; Dr. p. 752; Gaz. vol. 134; p. 642.
- Railway, Pleasure-. E. G. Georges. No. 888,881; May 26; Sp. p. 5174; Dr. pp. 1098-9; Gaz. vol. 134; p. 926.
- Railway, Pleasure-. A. Bragg. No. 893,135; July 14; Sp. p. 1516; Dr. pp. 319-20; Gaz. vol. 135; p. 278.
- Railway, Pleasure-. F. A. Church. No. 895,427; Aug. 11; Sp. p. 1309; Dr. p. 275; Gaz. vol. 135; p. 1135.
- Railway-rail. H. B. Unruh. No. 884,690; Apr. 14; Sp. p. 2099; Dr. p. 448; Gaz. vol. 133; p. 1554.
- Railway-rail. J. Francis. No. 888,988; May 26; Sp. p. 5379; Dr. p. 1141; Gaz. vol. 134; p. 960.
- Railway-rail. W. T. Farley. No. 891,415; June 23; Sp. p. 4528; Dr. p. 985; Gaz. vol. 134; p. 1873.
- Railway-rail. E. Gathmann. No. 896,985; Aug. 25; Sp. p. 4463; Dr. p. 954; Gaz. vol. 135; p. 1685.
- Railway-rail. W. F. and A. R. Keehl. No. 903,292; Nov. 10; Sp. p. 1514; Gaz. vol. 137; p. 279.
- Railway-rail. W. R. Wilson. No. 903,937; Nov. 17; Sp. p. 2863; Gaz. vol. 137; p. 522.
- Railway rail and bed-plate, Combined. J. C. Phillips. No. 898,986; Sept. 15; Sp. p. 3446; Dr. p. 739; Gaz. vol. 136; p. 627.
- Railway-rail and joint-truss therefor. J. G. Massie. No. 903,293; Dec. 29; Sp. p. 6337; Gaz. vol. 137; p. 2142.
- Railway-rail anticreeping device. D. F. Vaughan. No. 897,037; Aug. 25; Sp. p. 4575; Dr. p. 976; Gaz. vol. 135; p. 1703.
- Railway-rail anticreeping device. D. F. and D. L. Vaughan. No. 897,038; Aug. 25; Sp. p. 4577; Dr. p. 976; Gaz. vol. 135; p. 1704.
- Railway-rail bond. A. Gething. No. 905,810; Dec. 1; Sp. p. 1374; Gaz. vol. 137; p. 1209.
- Railway rail-bond, Electric-. W. E. Oakley. No. 895,582; Aug. 11; Sp. p. 1614; Dr. p. 340; Gaz. vol. 135; p. 1185.
- Railway-rail chair. J. F. Lewis. No. 890,914; June 16; Sp. p. 3493; Dr. p. 765; Gaz. vol. 134; p. 1676.
- Railway-rail, Compound. A. P. Finley. No. 881,313; Mar. 10; Sp. p. 1644; Dr. p. 352; Gaz. vol. 133; p. 306.
- Railway-rail fastener. C. Walton. No. 884,435; Apr. 14; Sp. p. 1543; Dr. p. 331; Gaz. vol. 133; p. 1469.
- Railway-rail fastening. S. G. Crabtree. No. 906,112; Dec. 8; Sp. p. 1970; Gaz. vol. 137; p. 1336.
- Railway-rail fastening clip. A. M. Gaines. No. 903,702; Nov. 10; Sp. p. 2338; Gaz. vol. 137; p. 411.
- Railway-rail fastening device. G. Mackay. No. 889,471; June 2; Sp. p. 577; Dr. p. 134; Gaz. vol. 134; p. 1148.
- Railway-rail joint. J. M. Steele. No. 876,107; Jan. 7; Sp. p. 825; Dr. p. 177; Gaz. vol. 132; p. 140.
- Railway-rail joint. W. H. Lewis. No. 880,384; Feb. 25; Sp. p. 5128; Dr. p. 1084; Gaz. vol. 132; p. 1770.
- Railway-rail joint. E. C. Ale. No. 885,561; Apr. 21; Sp. p. 3902; Dr. p. 815; Gaz. vol. 133; p. 1866.
- Railway-rail joint. W. H. Reel. No. 885,787; Apr. 28; Sp. p. 4360; Dr. p. 915; Gaz. vol. 133; p. 1969.
- Railway-rail joint. W. E. Johnson. No. 888,441; May 19; Sp. p. 4232; Dr. p. 897; Gaz. vol. 134; p. 750.
- Railway-rail joint. P. Stover. No. 892,328; June 30; Sp. p. 6359; Dr. p. 1371; Gaz. vol. 134; p. 2205.
- Railway-rail joint. J. M. McConnell. No. 902,434; Oct. 27; Sp. p. 4959; Dr. p. 1001; Gaz. vol. 136; p. 1938.
- Railway-rail joint. H. M. Cooney. No. 905,849; Dec. 8; Sp. p. 1459; Gaz. vol. 137; p. 1252.
- Railway-rail joint. G. A. Binnix. No. 906,186; Dec. 8; Sp. p. 2105; Gaz. vol. 137; p. 1361.
- Railway-rail joint. M. J. MacKinnon. No. 907,697; Dec. 22; Sp. p. 5100; Gaz. vol. 137; p. 1914.
- Railway-rail joint, Insulated. K. Kohn. No. 879,878; Feb. 25; Sp. p. 4104; Dr. p. 862; Gaz. vol. 132; p. 1602.
- Railway-rail joint or connection, Electrically-conductive. B. G. Braine. No. 898,430; Sept. 15; Sp. p. 2407; Dr. p. 515; Gaz. vol. 136; p. 445.
- Railway-rail stay. S. R. Bryan. (Reissue). No. 12,862; Oct. 13; Sp. p. 2563; Dr. p. 527; Gaz. vol. 136; p. 1503.
- Railway-rail-stay. W. H. Cotton and T. D. Henderson. No. 905,988; Dec. 8; Sp. p. 1731; Gaz. vol. 137; p. 1296.
- Railway-rail support and fastener. G. Gates. No. 905,688; Dec. 1; Sp. p. 1142; Gaz. vol. 137; p. 1168.
- Railway-rail tie, Concrete. C. L. Ruse. No. 888,851; May 26; Sp. p. 5096; Dr. p. 1087; Gaz. vol. 134; p. 914.
- Railway-rails, Device for preventing spreading of. J. Larivee. No. 903,485; Nov. 10; Sp. p. 1898; Gaz. vol. 137; p. 342.
- Railway-rails, Device for preventing the creeping of. J. Schuller. No. 883,836; Apr. 7; Sp. p. 332; Dr. p. 63; Gaz. vol. 133; p. 1245.

Alphabetical list of inventions—Continued.

- Railway-rails, Manufacture of. W. H. Connell. No. 886,349; May 5; Sp. p. 21; Dr. p. 5; Gaz. vol. 134; p. 6.
 Railway-rails, Means for connecting parallel. V. A. White. No. 899,300; Sept. 23; Sp. p. 4194; Dr. p. 898; Gaz. vol. 136; p. 778.
 Railway-rails to ties, Means for securing. O. J. Morris. No. 900,570; Oct. 6; Sp. p. 1072; Dr. p. 220; Gaz. vol. 136; p. 1237.
 Railway road-bed. W. H. Coffman. No. 903,174; Nov. 10; Sp. p. 1270; Gaz. vol. 137; p. 240.
 Railway road-bed. M. Franklin. No. 904,418; Nov. 17; Sp. p. 3853; Gaz. vol. 137; p. 685.
 Railway road-crossing, Metal. R. Faries. No. 886,457; May 5; Sp. p. 287; Dr. p. 60; Gaz. vol. 134; p. 53.
 Railway safety apparatus. R. H. Hunt. No. 880,996; Mar. 3; Sp. p. 1015; Dr. p. 219; Gaz. vol. 133; p. 173.
 Railway safety apparatus. A. Bonom. No. 900,474; Oct. 6; Sp. p. 860; Dr. p. 176; Gaz. vol. 136; p. 1206.
 Railway safety apparatus. S. L. Adelson. No. 901,668; Oct. 20; Sp. p. 3338; Dr. p. 686; Gaz. vol. 136; p. 1657.
 Railway safety appliance. M. D. Breslau and S. W. Clark. No. 878,113; Feb. 4; Sp. p. 441; Dr. pp. 93-4; Gaz. vol. 132; p. 920.
 Railway safety appliance. M. E. Hogan. No. 894,204; July 28; Sp. p. 3820; Dr. p. 791; Gaz. vol. 135; p. 679.
 Railway safety appliance. C. A. Ward. No. 894,476; July 28; Sp. p. 4392; Dr. p. 906; Gaz. vol. 135; p. 769.
 Railway safety appliance. J. T. Andrew. No. 897,864; Sept. 8; Sp. p. 1274; Dr. p. 272; Gaz. vol. 136; p. 233.
 Railway safety appliance. A. M. Jones. No. 905,080; Nov. 24; Sp. p. 5230; Gaz. vol. 137; p. 932.
 Railway safety appliance, Electric. R. K. Richardson. No. 900,958; Oct. 13; Sp. p. 1899; Dr. p. 387; Gaz. vol. 136; p. 1391.
 Railway safety-indicator. O. Stankey and M. Christ. No. 882,802; Mar. 24; Sp. p. 4594; Dr. p. 979; Gaz. vol. 133; p. 851.
 Railway safety system. J. Kovacevic. No. 906,636; Dec. 15; Sp. p. 2939; Gaz. vol. 137; p. 1531.
 Railway, Scenic. G. Lacomme. No. 884,594; Apr. 14; Sp. p. 1983; Dr. p. 403; Gaz. vol. 133; p. 1522.
 Railway screw-spikes, Machine for driving. D. P. Sheehan. No. 877,669; Jan. 28; Sp. p. 4077; Dr. p. 882; Gaz. vol. 132; p. 749.
 Railway- semaphore. C. W. Coleman. No. 882,928; Mar. 24; Sp. p. 4556; Dr. pp. 1031-2; Gaz. vol. 133; p. 893.
 Railway- semaphore. C. W. Coleman. No. 882,929; Mar. 24; Sp. p. 4860; Dr. p. 1032; Gaz. vol. 133; p. 893.
 Railway- semaphore. C. W. Coleman. No. 882,930; Mar. 24; Sp. p. 4863; Dr. pp. 1032-3; Gaz. vol. 133; p. 894.
 Railway-signal. F. B. Corey. No. 876,944; Jan. 21; Sp. p. 2584; Dr. p. 563; Gaz. vol. 132; p. 488.
 Railway-signal. W. N. Thompson. No. 877,385; Jan. 21; Sp. p. 3486; Dr. p. 756; Gaz. vol. 132; p. 635.
 Railway-signal. J. C. Link. No. 877,464; Jan. 21; Sp. p. 3634; Dr. p. 787; Gaz. vol. 132; p. 661.
 Railway-signal. B. E. Ahlders. No. 879,431; Feb. 18; Sp. p. 3162; Dr. p. 658; Gaz. vol. 132; p. 1425.
 Railway-signal. C. D. Deardurff and B. L. McDonough. No. 883,940; Apr. 7; Sp. p. 546; Dr. pp. 108-9; Gaz. vol. 133; p. 1280.
 Railway-signal. J. S. Sims. No. 884,224; Apr. 7; Sp. p. 1146; Dr. p. 241; Gaz. vol. 133; p. 1373.
 Railway-signal. J. K. Johnston. No. 885,621; Apr. 21; Sp. p. 4004; Dr. p. 837; Gaz. vol. 133; p. 1884.
 Railway-signal. S. Bayas. No. 887,576; May 12; Sp. p. 2533; Dr. p. 534; Gaz. vol. 134; p. 437.
 Railway-signal. E. M. Cain. No. 888,959; May 26; Sp. p. 5330; Dr. p. 1131; Gaz. vol. 134; p. 951.
 Railway-signal. A. W. Harvey. No. 889,127; May 26; Sp. p. 5656; Dr. pp. 1197-8; Gaz. vol. 134; p. 1004.
 Railway-signal. S. M. Ward, Jr. No. 889,160; May 26; Sp. p. 5730; Dr. p. 1213; Gaz. vol. 134; p. 1016.
 Railway-signal. A. G. Clark. No. 890,607; June 16; Sp. p. 2859; Dr. p. 630; Gaz. vol. 134; p. 1576.
 Railway-signal. F. Hirt. No. 891,339; June 23; Sp. p. 4370; Dr. p. 951; Gaz. vol. 134; p. 1847.
 Railway-signal. G. D. Cox. No. 891,763; June 23; Sp. p. 5233; Dr. p. 1134; Gaz. vol. 134; p. 1988.
 Railway-signal. Z. E. Williamson. No. 895,061; Aug. 4; Sp. p. 572; Dr. p. 118; Gaz. vol. 135; p. 989.
 Railway-signal. H. A. Dillon. No. 895,983; Aug. 11; Sp. p. 2422; Dr. pp. 519-20; Gaz. vol. 135; p. 1315.
 Railway-signal. J. P. Coleman. No. 898,325; Sept. 8; Sp. p. 2192; Dr. pp. 465-6; Gaz. vol. 136; p. 379.
 Railway-signal. J. Hoffer. No. 898,473; Sept. 15; Sp. p. 2490; Dr. p. 533; Gaz. vol. 136; p. 461.
 Railway-signal. H. Diehl. No. 901,958; Oct. 27; Sp. p. 3949; Dr. p. 806; Gaz. vol. 136; p. 1783.
 Railway-signal. M. M. Kane. No. 906,238; Dec. 8; Sp. p. 2211; Gaz. vol. 137; p. 1379.
 Railway-signal. H. M. Abernethy. No. 908,189; Dec. 29; Sp. p. 6112; Gaz. vol. 137; p. 2106.
 Railway-signal. J. A. Shingleton and C. H. Roberts. No. 908,340; Dec. 29; Sp. p. 6439; Gaz. vol. 137; p. 2158.
 Railway signal and telephone system. F. L. Odenbach. No. 885,367; Apr. 21; Sp. p. 3509; Dr. p. 733; Gaz. vol. 133; p. 1807.
 Railway signal apparatus. F. Graziano. No. 880,072; Feb. 25; Sp. p. 4514; Dr. p. 949; Gaz. vol. 132; p. 1667.
 Railway signal apparatus. C. A. Pitts. No. 890,094; June 9; Sp. p. 1796; Dr. p. 397; Gaz. vol. 134; p. 1376.
 Railway-signal, Automatic. N. E. Spilner. No. 878,905; Feb. 11; Sp. p. 2112; Dr. pp. 440-1; Gaz. vol. 132; p. 1214.
 Railway-signal, Automatic. J. P. Norwood. No. 886,847; May 5; Sp. p. 1033; Dr. pp. 217-18; Gaz. vol. 134; p. 170.
 Railway-signal, Automatic. W. H. Harris. No. 905,308; Dec. 1; Sp. p. 342; Gaz. vol. 137; p. 1043.
 Railway-signal check. C. W. Coleman. No. 881,226; Mar. 10; Sp. p. 1469; Dr. p. 315; Gaz. vol. 133; p. 277.
 Railway-signal check. C. W. Coleman. No. 881,301; Mar. 10; Sp. p. 1625; Dr. p. 347; Gaz. vol. 133; p. 303.
 Railway signal device. S. Pizick. No. 899,840; Sept. 29; Sp. p. 5164; Dr. pp. 1105-6; Gaz. vol. 136; p. 968.
 Railway-signal, Electric. F. M. Hill and W. C. Davis. No. 879,168; Feb. 18; Sp. p. 2637; Dr. p. 550; Gaz. vol. 132; p. 1340.
 Railway-signal, Electric. G. A. Stafford, I. P. Whitaker, and J. L. Lopp. No. 884,622; Apr. 14; Sp. p. 1929; Dr. p. 414; Gaz. vol. 133; p. 1530.
 Railway-signal, Electric. A. Kuzel. No. 886,993; May 5; Sp. p. 1295; Dr. p. 273; Gaz. vol. 134; p. 216.
 Railway-signal, Electric. J. H. Gunn. No. 890,049; June 9; Sp. p. 1721; Dr. p. 381; Gaz. vol. 134; p. 1362.
 Railway-signal, Electric. W. H. Harris. No. 893,731; July 21; Sp. p. 2831; Dr. p. 581; Gaz. vol. 135; p. 503.
 Railway-signal, Electric. A. W. McMaugh and R. Welch. No. 895,035; Aug. 4; Sp. p. 531; Dr. p. 108; Gaz. vol. 135; p. 981.
 Railway-signal, Electric. J. S. Sims. No. 895,589; Aug. 11; Sp. p. 1631; Dr. p. 344; Gaz. vol. 135; p. 1187.
 Railway-signal, Electric. T. C. Fogarty, F. W. Brock, and F. A. Bowdle. No. 898,862; Sept. 15; Sp. p. 3226; Dr. pp. 691-2; Gaz. vol. 136; p. 587.
 Railway-signal, Electric. E. A. Everett. No. 901,331; Oct. 20; Sp. p. 2610; Dr. pp. 536-7; Gaz. vol. 136; p. 1545.
 Railway-signal, Metallic. J. H. Taylor. No. 877,967; Feb. 4; Sp. p. 144; Dr. pp. 32-3; Gaz. vol. 132; p. 873.
 Railway signal system. M. G. Voigtlander. No. 884,733; Apr. 14; Sp. p. 2301; Dr. p. 484; Gaz. vol. 133; p. 1585.
 Railway signal system. M. G. Voigtlander. No. 884,784; Apr. 14; Sp. p. 2306; Dr. pp. 484-5; Gaz. vol. 133; p. 1586.
 Railway signal system. E. E. Gabbart. No. 888,483; May 26; Sp. p. 4323; Dr. pp. 914-15; Gaz. vol. 134; p. 792.
 Railway signal system. E. P. Cook. No. 889,205; June 2; Sp. p. 31; Dr. pp. 8-9; Gaz. vol. 134; p. 1063.
 Railway signal system. L. H. Thullen. No. 889,561; June 2; Sp. p. 739; Dr. p. 171; Gaz. vol. 134; p. 1176.
 Railway signal system. L. H. Thullen. No. 890,197; June 9; Sp. p. 2013; Dr. p. 443; Gaz. vol. 134; p. 1411.
 Railway signal system. A. Wilhelm. No. 891,200; June 16; Sp. p. 4061; Dr. pp. 890-1; Gaz. vol. 134; p. 1769.
 Railway signal system. M. L. Shepherd. No. 898,693; Sept. 15; Sp. p. 2929; Dr. p. 627; Gaz. vol. 136; p. 533.
 Railway signal system, Electric. C. F. Pike. No. 878,894; Feb. 11; Sp. p. 2094; Dr. pp. 436-7; Gaz. vol. 132; p. 1211.
 Railway signal system, Electric. T. M. Freeble. No. 900,273; Oct. 6; Sp. p. 434; Dr. pp. 89-90; Gaz. vol. 136; p. 1139.
 Railway signals, Track instrument for. J. F. Dineen. No. 893,612; July 21; Sp. p. 2512; Dr. p. 523; Gaz. vol. 135; p. 462.
 Railway signaling. C. M. Jacobs, R. J. Insell, and E. A. B. Bowden. No. 883,026; Mar. 24; Sp. p. 5036; Dr. p. 1072; Gaz. vol. 133; p. 924.
 Railway signaling. J. B. Struble. No. 894,471; July 28; Sp. p. 4379; Dr. p. 904; Gaz. vol. 135; p. 768.
 Railway signaling apparatus. J. D. Taylor. No. 882,275; Mar. 17; Sp. p. 3584; Dr. p. 761; Gaz. vol. 133; p. 646.
 Railway signaling apparatus. M. W. Zabel. No. 892,204; June 30; Sp. p. 6124; Dr. p. 1317; Gaz. vol. 134; p. 2164.
 Railway signaling apparatus. W. Macomber. No. 896,842; Aug. 25; Sp. p. 4141; Dr. p. 888; Gaz. vol. 135; p. 1638.
 Railway signaling apparatus. W. K. Howe. No. 902,297; Oct. 27; Sp. p. 4652; Dr. p. 944; Gaz. vol. 136; p. 1892.
 Railway signaling apparatus. E. R. Brodton. No. 902,553; Nov. 3; Sp. p. 31; Gaz. vol. 137; p. 7.
 Railway signaling apparatus, Electric. H. W. Spang. No. 878,249; Feb. 4; Sp. p. 732; Dr. p. 148; Gaz. vol. 132; p. 966.
 Railway signaling apparatus, Electric. P. J. Matter. No. 886,620; May 5; Sp. p. 549; Dr. p. 116; Gaz. vol. 134; p. 97.
 Railway signaling device. F. Bauer. No. 879,138; Feb. 18; Sp. p. 2571; Dr. p. 535; Gaz. vol. 132; p. 1328.
 Railway signaling kit. G. P. Paine. No. 890,445; June 9; Sp. p. 2512; Dr. p. 556; Gaz. vol. 134; p. 1490.
 Railway signaling system. C. Enderlein. No. 876,953; Jan. 21; Sp. p. 2603; Dr. pp. 566-7; Gaz. vol. 132; p. 492.
 Railway signaling system. W. W. Salmon. No. 880,329; Feb. 25; Sp. p. 5020; Dr. p. 1059; Gaz. vol. 132; p. 1752.
 Railway signaling system. J. A. Wilson. No. 880,851; Mar. 3; Sp. p. 746; Dr. pp. 158-9; Gaz. vol. 133; p. 126.
 Railway signaling system. C. H. Lay. No. 889,469; June 2; Sp. p. 574; Dr. p. 134; Gaz. vol. 134; p. 1148.
 Railway signaling system. L. H. Thullen. No. 891,303; June 23; Sp. p. 4287; Dr. p. 937; Gaz. vol. 134; p. 1836.
 Railway signaling system. M. W. Zabel. No. 892,203; June 30; Sp. p. 6122; Dr. p. 1317; Gaz. vol. 134; p. 2164.
 Railway signaling system. C. J. Schwarze. No. 902,176; Oct. 27; Sp. p. 4405; Dr. p. 893; Gaz. vol. 136; p. 1853.
 Railway signaling system, Electric. H. N. Latcy. No. 883,964; Apr. 7; Sp. p. 601; Dr. p. 119; Gaz. vol. 133; p. 1287.
 Railway signaling system, Electric. E. B. Howell. No. 888,613; May 26; Sp. p. 4592; Dr. p. 974; Gaz. vol. 134; p. 839.
 Railway signaling system, Electric. Y. Burgess. No. 892,359; June 30; Sp. p. 6415; Dr. pp. 1384-5; Gaz. vol. 134; p. 2215.
 Railway-sleepers, Bed-plate for iron. A. Haarmann. No. 899,107; Sept. 22; Sp. p. 3678; Dr. pp. 787-8; Gaz. vol. 136; p. 694.
 Railway-sleepers, Tool for cutting seats in. A. Collet. No. 901,681; Oct. 20; Sp. p. 3375; Dr. p. 691; Gaz. vol. 136; p. 1662.
 Railway-spike. G. C. Clover. No. 875,779; Jan. 7; Sp. p. 200; Dr. p. 43; Gaz. vol. 132; p. 37.
 Railway-spike. T. W. Carey, Jr. No. 880,480; Feb. 25; Sp. p. 5351; Dr. p. 1128; Gaz. vol. 132; p. 1804.
 Railway-spike. E. R. Miner. No. 882,953; Mar. 24; Sp. p. 4908; Dr. p. 1041; Gaz. vol. 133; p. 902.
 Railway-spike. J. N. Draemel. No. 889,667; June 2; Sp. p. 920; Dr. p. 214; Gaz. vol. 134; p. 1210.

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- Railway-spike. J. E. Heale. No. 896,108; Aug. 19; Sp. p. 2657; Dr. p. 573; Gaz. vol. 135; p. 1377.
 Railway-spike. S. S. Keen. No. 899,991; Sept. 29; Sp. p. 5491; Dr. p. 1169; Gaz. vol. 136; p. 1017.
 Railway-spike. E. J. Bricker. No. 902,935; Nov. 3; Sp. p. 814; Gaz. vol. 137; p. 134.
 Railway-spike. F. W. Kohagen. No. 904,489; Nov. 17; Sp. p. 4022; Gaz. vol. 137; p. 709.
 Railway-spike. C. W. Stevens. No. 906,079; Dec. 8; Sp. p. 1896; Gaz. vol. 137; p. 1325.
 Railway-spreader. J. C. Depew. No. 885,736; Apr. 28; Sp. p. 4256; Dr. pp. 891-2; Gaz. vol. 133; p. 1952.
 Railway-switch. S. L. Shellenberger. No. 875,959; Jan. 7; Sp. p. 530; Dr. p. 113; Gaz. vol. 132; p. 93.
 Railway-switch. J. B. Mays. No. 877,788; Jan. 28; Sp. p. 4278; Dr. p. 929; Gaz. vol. 132; p. 786.
 Railway-switch. D. I. Griffith. No. 879,256; Feb. 18; Sp. p. 2795; Dr. pp. 585-6; Gaz. vol. 132; p. 1368.
 Railway-switch. P. Stanson. No. 880,339; Feb. 25; Sp. p. 5040; Dr. p. 1064; Gaz. vol. 132; p. 1755.
 Railway-switch. P. D. Hibner. No. 881,799; Mar. 10; Sp. p. 2588; Dr. p. 556; Gaz. vol. 133; p. 462.
 Railway-switch. T. J. Burke. No. 884,792; Apr. 14; Sp. p. 2320; Dr. p. 488; Gaz. vol. 133; p. 1589.
 Railway-switch. A. Bilek. No. 887,183; May 12; Sp. p. 1662; Dr. p. 353; Gaz. vol. 134; p. 305.
 Railway-switch. C. F. Christopher. No. 889,441; June 2; Sp. p. 499; Dr. pp. 118-19; Gaz. vol. 134; p. 1138.
 Railway-switch. J. I. Reynolds. No. 889,485; June 2; Sp. p. 604; Dr. p. 141; Gaz. vol. 134; p. 1152.
 Railway-switch. W. W. Addington. No. 890,393; June 9; Sp. p. 2420; Dr. p. 534; Gaz. vol. 134; p. 1473.
 Railway-switch. J. M. Hipp. No. 891,170; June 16; Sp. p. 3991; Dr. p. 876; Gaz. vol. 134; p. 1758.
 Railway-switch. W. Holquist. No. 892,053; June 30; Sp. p. 5833; Dr. p. 1255; Gaz. vol. 134; p. 2114.
 Railway-switch. M. W. Griffin. No. 896,011; Aug. 11; Sp. p. 2474; Dr. p. 534; Gaz. vol. 135; p. 1323.
 Railway-switch. B. C. Froman. No. 896,203; Aug. 18; Sp. p. 2820; Dr. p. 607; Gaz. vol. 135; p. 1406.
 Railway-switch. M. H. and W. Owen. No. 897,393; Sept. 1; Sp. p. 311; Dr. p. 64; Gaz. vol. 136; p. 48.
 Railway-switch. F. Salee. No. 898,687; Sept. 15; Sp. p. 2918; Dr. p. 625; Gaz. vol. 136; p. 530.
 Railway-switch. H. B. Nichols. No. 901,254; Oct. 13; Sp. p. 2426; Dr. pp. 498-9; Gaz. vol. 136; p. 1484.
 Railway-switch. I. M. Keltner. No. 901,711; Oct. 20; Sp. p. 3475; Dr. pp. 703-4; Gaz. vol. 136; p. 1674.
 Railway-switch. J. M. Fallor. No. 902,866; Nov. 3; Sp. p. 674; Gaz. vol. 137; p. 113.
 Railway-switch. C. C. Swan. No. 903,024; Nov. 3; Sp. p. 996; Gaz. vol. 137; p. 163.
 Railway-switch. J. R. Goode. No. 903,562; Nov. 10; Sp. p. 2062; Gaz. vol. 137; p. 368.
 Railway-switch. S. M. Chase and W. C. Stocklin. No. 907,971; Dec. 29; Sp. p. 5657; Gaz. vol. 137; p. 2032.
 Railway-switch. R. A. Easley. No. 907,977; Dec. 29; Sp. p. 5670; Gaz. vol. 137; p. 2034.
 Railway switch and signal apparatus. L. Griffith. No. 906,012; Dec. 8; Sp. p. 1770; Gaz. vol. 137; p. 1304.
 Railway switch and signal apparatus. Safety device for. L. Griffith. No. 906,492; Dec. 8; Sp. p. 2669; Gaz. vol. 137; p. 1461.
 Railway switch and signal. Automatic. G. R. Forster and J. Coan. No. 903,462; Nov. 10; Sp. p. 1848; Gaz. vol. 137; p. 335.
 Railway switch and signal mechanism. J. S. Payne. No. 878,666; Feb. 11; Sp. p. 1656; Dr. p. 341; Gaz. vol. 132; p. 1138.
 Railway switch and signal track trip. C. M. Hurst. No. 890,360; June 9; Sp. p. 2364; Dr. pp. 521-2; Gaz. vol. 134; p. 1463.
 Railway-switch, Automatic. R. M. McGee and W. M. Jones. No. 878,822; Feb. 11; Sp. p. 1952; Dr. p. 404; Gaz. vol. 132; p. 1187.
 Railway-switch, Automatic. J. A. Jackson. No. 880,536; Mar. 3; Sp. p. 77; Dr. p. 19; Gaz. vol. 133; p. 17.
 Railway-switch, Automatic. J. W. Sparks and C. J. Allen. No. 883,358; Mar. 31; Sp. p. 5713; Dr. pp. 1219-20; Gaz. vol. 133; p. 1063.
 Railway-switch, Automatic. I. A. Call. No. 886,941; May 5; Sp. p. 1201; Dr. p. 254; Gaz. vol. 134; p. 200.
 Railway-switch, Automatic. A. R. Levy. No. 891,269; June 23; Sp. p. 4214; Dr. pp. 921-2; Gaz. vol. 134; p. 1824.
 Railway-switch, Automatic. P. F. Kiefer. No. 903,480; Nov. 10; Sp. p. 1887; Gaz. vol. 137; p. 341.
 Railway-switch automatic safety attachment. C. C. and W. L. Bender. No. 906,094; Dec. 8; Sp. p. 1926; Gaz. vol. 137; p. 1329.
 Railway-switch device, Safety. J. Tangney and B. C. Barnes. No. 898,154; Sept. 8; Sp. p. 1876; Dr. p. 401; Gaz. vol. 136; p. 326.
 Railway-switch, Electric. M. J. Wightman. No. 902,035; Oct. 27; Sp. p. 4123; Dr. p. 835; Gaz. vol. 136; p. 1808.
 Railway switch, Electric street-. J. P. and T. P. Dowd. No. 883,181; Mar. 31; Sp. p. 5355; Dr. p. 1141; Gaz. vol. 133; p. 1005.
 Railway switch-frog. A. M. Threewits. No. 898,804; Sept. 15; Sp. p. 3123; Dr. p. 669; Gaz. vol. 136; p. 567.
 Railway switch-frog. H. F. Roach. No. 904,278; Nov. 17; Sp. p. 3568; Gaz. vol. 137; p. 638.
 Railway switch lock. L. S. Atkinson. No. 890,013; June 9; Sp. p. 1632; Dr. p. 365; Gaz. vol. 134; p. 1349.
 Railway-switch mechanism. L. Roach. No. 894,397; July 28; Sp. p. 4234; Dr. pp. 873-4; Gaz. vol. 135; p. 743.
 Railway-switch-operating device. G. M. Spalding. No. 901,750; Oct. 20; Sp. p. 3548; Dr. p. 718; Gaz. vol. 136; p. 1686.
 Railway-switch-operating mechanism. J. T. Ramage. No. 890,376; June 9; Sp. p. 2764; Dr. p. 611; Gaz. vol. 134; p. 1533.
 Railway-switch-operating mechanism. P. J. Glancey. No. 894,320; July 28; Sp. p. 4075; Dr. pp. 841-2; Gaz. vol. 135; p. 718.
 Railway switch-operating mechanism, Electrically-controlled. K. W. G. J. Stoffels and J. J. H. W. Weenen. No. 887,980; May 19; Sp. p. 3338; Dr. p. 701; Gaz. vol. 134; p. 601.
 Railway switch, Pleasure-. S. E. Jackman. No. 881,000; Mar. 3; Sp. p. 1022; Dr. p. 221; Gaz. vol. 133; p. 174.
 Railway switch-points and signals, Apparatus for working and interlocking. A. Monard, H. Dumartin, and E. A. Moutier. No. 878,552; Feb. 11; Sp. p. 1402; Dr. pp. 287-9; Gaz. vol. 132; p. 1100.
 Railway-switch safety appliance. J. W. McManama. No. 876,577; Jan. 14; Sp. p. 1825; Dr. p. 399; Gaz. vol. 132; p. 328.
 Railway-switch safety appliance. J. D. Guilfoyle. No. 892,591; July 7; Sp. p. 375; Dr. p. 83; Gaz. vol. 135; p. 70.
 Railway-switch signal. W. H. Harris. No. 893,730; July 21; Sp. p. 2831; Dr. p. 581; Gaz. vol. 135; p. 503.
 Railway-switch-stand latch. W. R. McCollom. No. 903,304; Nov. 10; Sp. p. 1532; Gaz. vol. 137; p. 283.
 Railway switch, Street-. P. McGrath. No. 884,194; Apr. 7; Sp. p. 1097; Dr. pp. 229-30; Gaz. vol. 133; p. 1363.
 Railway switch, Street-. P. McGrath. No. 884,195; Apr. 7; Sp. p. 1102; Dr. p. 231; Gaz. vol. 133; p. 1363.
 Railway-switch-throwing device. E. N. Strom. No. 888,409; May 19; Sp. p. 4158; Dr. pp. 879-80; Gaz. vol. 134; p. 737.
 Railway-switch-throwing mechanism. J. N. Quinn. No. 887,226; May 12; Sp. p. 1774; Dr. p. 373; Gaz. vol. 134; p. 319.
 Railway-switches, Detector-bar for. A. G. Foley. No. 902,066; Oct. 27; Sp. p. 4184; Dr. p. 847; Gaz. vol. 136; p. 1817.
 Railway-switches or other devices, Alternating mechanism for operating. M. A. Dees. No. 899,032; Sept. 22; Sp. p. 3544; Dr. p. 758; Gaz. vol. 136; p. 670.
 Railway switches, signals, &c., Electric apparatus for. L. Griffith. No. 906,129; Dec. 8; Sp. p. 1995; Gaz. vol. 137; p. 1341.
 Railway switching apparatus. J. D. Taylor. No. 887,287; May 12; Sp. p. 1921; Dr. pp. 406-7; Gaz. vol. 134; p. 340.
 Railway switching device. R. R. Miller. No. 882,707; Mar. 24; Sp. p. 4401; Dr. p. 936; Gaz. vol. 133; p. 821.
 Railway switching device. W. F. Bath. No. 908,379; Dec. 29; Sp. p. 6531; Gaz. vol. 137; p. 2171.
 Railway switching device, Automatic electric. F. M. Rice and A. W. Hill. No. 888,929; May 26; Sp. p. 5261; Dr. p. 1116; Gaz. vol. 134; p. 942.
 Railway system, Electric-. S. B. Rappleye and J. J. Devine. No. 876,489; Jan. 14; Sp. p. 1625; Dr. p. 352; Gaz. vol. 132; p. 297.
 Railway system, Electric-. A. C. Eastwood. No. 884,644; Apr. 14; Sp. p. 2007; Dr. pp. 429-30; Gaz. vol. 133; p. 1538.
 Railway system, Electric-. A. C. Eastwood. No. 884,645; Apr. 14; Sp. p. 2011; Dr. pp. 430-1; Gaz. vol. 133; p. 1538.
 Railway system, Electric-. S. C. Frey. No. 887,932; May 19; Sp. p. 3247; Dr. pp. 682-3; Gaz. vol. 134; p. 585.
 Railway system, Electric-. W. Robinson. No. 901,377; Oct. 20; Sp. p. 2713; Dr. pp. 556-7; Gaz. vol. 136; p. 1561.
 Railway system, Electric-. W. Robinson. No. 901,378; Oct. 20; Sp. p. 2717; Dr. p. 557; Gaz. vol. 136; p. 1562.
 Railway system, Electric-. W. Robinson. No. 901,379; Oct. 20; Sp. p. 2725; Dr. p. 558; Gaz. vol. 136; p. 1562.
 Railway system, Electric-. W. Robinson. No. 901,380; Oct. 20; Sp. p. 2731; Dr. p. 558; Gaz. vol. 136; p. 1563.
 Railway system, Electric-. W. Robinson. No. 901,381; Oct. 20; Sp. p. 2736; Dr. p. 559; Gaz. vol. 136; p. 1564.
 Railway system, Electric-. W. Robinson. No. 901,382; Oct. 20; Sp. p. 2739; Dr. p. 559; Gaz. vol. 136; p. 1565.
 Railway system, Electric-. W. Robinson. No. 901,383; Oct. 20; Sp. p. 2746; Dr. p. 560; Gaz. vol. 136; p. 1565.
 Railway system, Electric-. W. Robinson. No. 901,477; Oct. 20; Sp. p. 2969; Dr. p. 606; Gaz. vol. 136; p. 1597.
 Railway system, Electric-. H. F. Parshall. No. 901,997; Oct. 27; Sp. p. 4054; Dr. p. 822; Gaz. vol. 136; p. 1796.
 Railway system, Third-rail electric-. C. Kozesnik. No. 884,170; Apr. 7; Sp. p. 1057; Dr. p. 220; Gaz. vol. 133; p. 1355.
 Railway system, Third-rail electric-. C. Kozesnik. No. 888,099; May 19; Sp. p. 3572; Dr. p. 747; Gaz. vol. 134; p. 638.
 Railway system, Third-rail electric-. J. F. Feeley. No. 889,448; June 2; Sp. p. 515; Dr. p. 122; Gaz. vol. 134; p. 1141.
 Railway systems, Contact switch-box for electric-. C. A. Huse and J. G. Douty. No. 894,382; July 28; Sp. p. 4195; Dr. p. 866; Gaz. vol. 135; p. 738.
 Railway systems, Protector for third rails of. J. N. Tomlinson. No. 889,559; June 2; Sp. p. 737; Dr. p. 170; Gaz. vol. 134; p. 1175.
 Railway-tie. A. F. Shuman. No. 875,856; Jan. 7; Sp. p. 331; Dr. p. 74; Gaz. vol. 132; p. 61.
 Railway-tie. G. Bossi. No. 877,042; Jan. 21; Sp. p. 2804; Dr. p. 605; Gaz. vol. 132; p. 523.
 Railway-tie. J. B. Spera and S. G. Cocklin. No. 879,921; Feb. 25; Sp. p. 4223; Dr. p. 882; Gaz. vol. 132; p. 1620.
 Railway-tie. C. M. Phillips and C. M. Royer. No. 882,906; Mar. 24; Sp. p. 4814; Dr. p. 1023; Gaz. vol. 133; p. 885.
 Railway-tie. A. S. Topping. No. 884,241; Apr. 7; Sp. p. 1180; Dr. p. 249; Gaz. vol. 133; p. 1378.
 Railway-tie. S. C. Newlin and G. W. Williams. No. 885,555; Apr. 21; Sp. p. 3887; Dr. p. 812; Gaz. vol. 133; p. 1865.
 Railway-tie. A. Holton. No. 887,395; May 12; Sp. p. 2188; Dr. p. 458; Gaz. vol. 134; p. 377.
 Railway-tie. J. A. Swope. No. 887,983; May 19; Sp. p. 3344; Dr. p. 702; Gaz. vol. 134; p. 602.
 Railway-tie. J. B. Depriest. No. 888,227; May 19; Sp. p. 3797; Dr. p. 797; Gaz. vol. 134; p. 679.
 Railway-tie. S. H. Deihl. No. 888,317; May 19; Sp. p. 3963; Dr. p. 834; Gaz. vol. 134; p. 708.
 Railway-tie. J. H. Norton. No. 888,729; May 26; Sp. p. 4819; Dr. p. 1028; Gaz. vol. 134; p. 875.

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- Railway-tie. P. K. Ream and P. C. Boyd. No. 888,928; May 26; Sp. p. 5259; Dr. p. 1116; Gaz. vol. 134; p. 942.
 Railway-tie. J. H. Houck. No. 889,687; June 2; Sp. p. 983; Dr. p. 227; Gaz. vol. 134; p. 1217.
 Railway-tie. J. Ebinger and B. A. Steinke. No. 889,777; June 2; Sp. p. 1143; Dr. p. 265; Gaz. vol. 134; p. 1244.
 Railway-tie. G. M. Côté. No. 890,557; June 9; Sp. p. 2728; Dr. p. 603; Gaz. vol. 134; p. 1527.
 Railway-tie. E. Covington. No. 891,041; June 16; Sp. p. 3761; Dr. p. 821; Gaz. vol. 134; p. 1719.
 Railway-tie. W. I. F. Harden. No. 891,164; June 16; Sp. p. 3982; Dr. p. 874; Gaz. vol. 134; p. 1757.
 Railway-tie. H. P. White. No. 891,311; June 23; Sp. p. 4313; Dr. p. 941; Gaz. vol. 134; p. 1839.
 Railway-tie. C. A. Reed. No. 891,805; June 23; Sp. p. 5327; Dr. pp. 1153-4; Gaz. vol. 134; p. 2004.
 Railway-tie. C. G. Peterson. No. 892,300; June 30; Sp. p. 6306; Dr. p. 1358; Gaz. vol. 134; p. 2197.
 Railway-tie. R. S. Pease. No. 892,762; July 7; Sp. p. 721; Dr. p. 153; Gaz. vol. 135; p. 125.
 Railway-tie. B. A. Steinke. No. 893,030; July 14; Sp. p. 1311; Dr. p. 275; Gaz. vol. 135; p. 244.
 Railway-tie. H. L. Williams. No. 894,090; July 21; Sp. p. 3570; Dr. p. 735; Gaz. vol. 135; p. 622.
 Railway-tie. C. E. Barnum. No. 894,360; July 28; Sp. p. 4149; Dr. p. 857; Gaz. vol. 135; p. 731.
 Railway-tie. J. McGranaghan. No. 894,525; July 28; Sp. p. 4481; Dr. p. 928; Gaz. vol. 135; p. 784.
 Railway-tie. D. W. Bates. No. 895,413; Aug. 11; Sp. p. 1277; Dr. p. 268; Gaz. vol. 135; p. 1130.
 Railway-tie. D. W. Trainor and J. R. Smith. No. 895,601; Aug. 11; Sp. p. 1652; Dr. p. 348; Gaz. vol. 135; p. 1191.
 Railway-tie. J. Rozine and C. W. Guthrie. No. 895,687; Aug. 11; Sp. p. 1825; Dr. p. 388; Gaz. vol. 135; p. 1220.
 Railway-tie. C. E. Womer. No. 896,501; Aug. 18; Sp. p. 3435; Dr. p. 739; Gaz. vol. 135; p. 1505.
 Railway-tie. J. C. Zimmerman, J. C. Stoops, and R. M. Lane. No. 896,678; Aug. 18; Sp. p. 3766; Dr. pp. 813-14; Gaz. vol. 135; p. 1559.
 Railway-tie. G. W. White. No. 897,043; Aug. 25; Sp. p. 4587; Dr. p. 978; Gaz. vol. 135; p. 1706.
 Railway-tie. J. D. Hazlet and G. W. Haight. No. 897,100; Aug. 25; Sp. p. 4693; Dr. p. 1000; Gaz. vol. 135; p. 1723.
 Railway-tie. A. O. Thunborg. No. 898,287; Sept. 8; Sp. p. 2126; Dr. p. 452; Gaz. vol. 136; p. 368.
 Railway-tie. L. A. Miller. No. 898,590; Sept. 15; Sp. p. 2714; Dr. p. 581; Gaz. vol. 136; p. 498.
 Railway-tie. A. A. Whitbred. No. 898,709; Sept. 15; Sp. p. 2950; Dr. p. 632; Gaz. vol. 136; p. 537.
 Railway-tie. R. L. Bower. No. 899,023; Sept. 22; Sp. p. 3529; Dr. p. 755; Gaz. vol. 136; p. 667.
 Railway-tie. W. A. Lockard. No. 899,174; Sept. 22; Sp. p. 3825; Dr. p. 819; Gaz. vol. 136; p. 717.
 Railway-tie. J. C. Reed. No. 899,262; Sept. 22; Sp. p. 4017; Dr. p. 858; Gaz. vol. 136; p. 745.
 Railway-tie. M. C. Williams. No. 899,643; Sept. 29; Sp. p. 4759; Dr. p. 1018; Gaz. vol. 136; p. 904.
 Railway-tie. J. D. Hazlet and G. W. Haight. No. 899,976; Sept. 29; Sp. p. 5455; Dr. p. 1163; Gaz. vol. 136; p. 1012.
 Railway-tie. E. N. Davis. No. 900,086; Oct. 6; Sp. p. 27; Dr. p. 5; Gaz. vol. 136; p. 1079.
 Railway-tie. H. C. Bennetch. No. 900,648; Oct. 6; Sp. p. 1239; Dr. p. 254; Gaz. vol. 136; p. 1263.
 Railway-tie. J. A. Bergquist. No. 901,316; Oct. 20; Sp. p. 2579; Dr. p. 531; Gaz. vol. 136; p. 1540.
 Railway-tie. T. W. Welsh. No. 901,574; Oct. 20; Sp. p. 3162; Dr. p. 644; Gaz. vol. 136; p. 1628.
 Railway-tie. J. T. Spaulding. No. 901,845; Oct. 20; Sp. p. 3721; Dr. p. 756; Gaz. vol. 136; p. 1715.
 Railway-tie. J. W. Riller. No. 901,870; Oct. 20; Sp. p. 3766; Dr. p. 766; Gaz. vol. 136; p. 1724.
 Railway-tie. T. F. Gilcrest. No. 902,287; Oct. 27; Sp. p. 4629; Dr. p. 941; Gaz. vol. 136; p. 1888.
 Railway-tie. J. Grimmer. No. 904,061; Nov. 17; Sp. p. 3100; Gaz. vol. 137; p. 563.
 Railway-tie. W. Hubbell and A. J. Annis. No. 904,331; Nov. 17; Sp. p. 3696; Gaz. vol. 137; p. 657.
 Railway-tie. O. Rowlett. No. 905,234; Dec. 1; Sp. p. 228; Gaz. vol. 137; p. 1022.
 Railway-tie. R. J. Carr. No. 905,285; Dec. 1; Sp. p. 313; Gaz. vol. 137; p. 1037.
 Railway-tie. H. H. Ranje. No. 906,067; Dec. 8; Sp. p. 1872; Gaz. vol. 137; p. 1321.
 Railway-tie. C. A. Sims. No. 906,316; Dec. 8; Sp. p. 2357; Gaz. vol. 137; p. 1405.
 Railway-tie. E. H. Buterbaugh. No. 906,610; Dec. 15; Sp. p. 2889; Gaz. vol. 137; p. 1523.
 Railway-tie. C. W. Bridgegum. No. 907,565; Dec. 22; Sp. p. 4752; Gaz. vol. 137; p. 1868.
 Railway-tie. M. I. Young and G. M. Robinson. No. 907,939; Dec. 29; Sp. p. 5582; Gaz. vol. 137; p. 2021.
 Railway-tie. B. V. Kaga. No. 908,272; Dec. 29; Sp. p. 6295; Gaz. vol. 137; p. 2134.
 Railway-tie and connection. G. H. Shane and R. E. Foresman. No. 894,072; July 21; Sp. p. 3538; Dr. p. 725; Gaz. vol. 135; p. 616.
 Railway-tie and fastener for securing the rails thereto, Metallic. C. E. Powell. No. 888,926; May 26; Sp. p. 5257; Dr. p. 1115; Gaz. vol. 134; p. 941.
 Railway-tie and fastening. C. J. Everhard. No. 891,237; June 23; Sp. p. 4160; Dr. p. 911; Gaz. vol. 134; p. 1814.
 Railway-tie and fastening. T. E. Stockford. No. 905,604; Dec. 1; Sp. p. 990; Gaz. vol. 137; p. 1141.
 Railway-tie and fastening, Metallic. F. J. Slenker. No. 892,094; June 30; Sp. p. 5894; Dr. p. 1269; Gaz. vol. 134; p. 2126.
 Railway-tie and means for securing rails thereto. L. G. Sedberry. No. 893,941; July 21; Sp. p. 3250; Dr. p. 669; Gaz. vol. 135; p. 571.
 Railway-tie and means for securing rails thereto, Metallic. G. H. and C. E. McConvill. No. 892,541; July 7; Sp. p. 287; Dr. p. 63; Gaz. vol. 135; p. 54.
 Railway-tie and rail-fastener. L. E. Barton, Sr. No. 905,276; Dec. 1; Sp. p. 298; Gaz. vol. 137; p. 1035.
 Railway-tie and rail-fastener, Combined. J. F. Stoner. No. 888,670; May 26; Sp. p. 4714; Dr. p. 1003; Gaz. vol. 134; p. 857.
 Railway-tie and rail-fastening. J. U. Beatty. No. 894,573; July 28; Sp. p. 4582; Dr. p. 950; Gaz. vol. 135; p. 801.
 Railway-tie and rail-fastening. W. A. Cline. No. 898,323; Sept. 8; Sp. p. 2188; Dr. p. 464; Gaz. vol. 136; p. 379.
 Railway-tie and rail-fastening. W. P. Day. No. 898,335; Sept. 8; Sp. p. 2208; Dr. p. 469; Gaz. vol. 136; p. 383.
 Railway-tie and rail-fastening device. J. J. O'Donnell. No. 888,030; May 19; Sp. p. 3431; Dr. p. 721; Gaz. vol. 134; p. 616.
 Railway-tie and rail-fastening, Metallic. J. A. Stoops. No. 895,908; Aug. 11; Sp. p. 2257; Dr. p. 482; Gaz. vol. 135; p. 1290.
 Railway-tie and rail-joint means therefor. P. Huebschwerlen and J. F. Romig. No. 882,319; Mar. 17; Sp. p. 3665; Dr. p. 778; Gaz. vol. 133; p. 660.
 Railway-tie, Concrete. H. H. Clough. No. 882,051; Mar. 17; Sp. p. 3155; Dr. p. 670; Gaz. vol. 133; p. 573.
 Railway-tie, Concrete. W. H. Prunyn, Jr. No. 885,863; Apr. 28; Sp. p. 4516; Dr. p. 948; Gaz. vol. 133; p. 1994.
 Railway-tie, Concrete. J. F. Weilep. No. 905,035; Nov. 24; Sp. p. 5151; Gaz. vol. 137; p. 918.
 Railway-tie construction. E. D. Bennett. No. 892,025; June 30; Sp. p. 5773; Dr. p. 1242; Gaz. vol. 134; p. 2105.
 Railway-tie fastening. C. M. Mapes. No. 884,941; Apr. 14; Sp. p. 2599; Dr. p. 548; Gaz. vol. 133; p. 1633.
 Railway-tie, fish-plate, and car-replacer, Combined. W. W. Gordon. No. 896,378; Aug. 18; Sp. p. 3186; Dr. p. 683; Gaz. vol. 135; p. 1463.
 Railway-tie lifting-jack. G. Comi. No. 907,745; Dec. 29; Sp. p. 5187; Gaz. vol. 137; p. 1958.
 Railway-tie, Metal. J. M. Hunnel. No. 877,567; Jan. 28; Sp. p. 3869; Dr. p. 837; Gaz. vol. 132; p. 716.
 Railway-tie, Metal. J. A. Reed. No. 885,377; Apr. 21; Sp. p. 3532; Dr. p. 738; Gaz. vol. 133; p. 1811.
 Railway-tie, Metal. W. J. Wilson. No. 898,080; Sept. 8; Sp. p. 1738; Dr. p. 370; Gaz. vol. 136; p. 304.
 Railway-tie, Metal. C. Horrell. No. 898,108; Sept. 8; Sp. p. 1792; Dr. p. 380; Gaz. vol. 136; p. 313.
 Railway-tie, Metal and wood combined. J. Fenderson. No. 900,841; Oct. 13; Sp. p. 1649; Dr. p. 334; Gaz. vol. 136; p. 1354.
 Railway-tie, Metal resilient. G. Mackay. No. 904,629; Nov. 24; Sp. p. 4303; Gaz. vol. 137; p. 783.
 Railway-tie, Metallic. A. S. Bouchard. No. 891,662; June 23; Sp. p. 5052; Dr. p. 1089; Gaz. vol. 134; p. 1954.
 Railway-tie, Metallic. A. S. Bouchard and J. A. Wilkinson. No. 891,663; June 23; Sp. p. 5053; Dr. pp. 1089-90; Gaz. vol. 134; p. 1955.
 Railway-tie, Metallic. A. Miller. No. 894,028; July 21; Sp. p. 3456; Dr. p. 706; Gaz. vol. 135; p. 601.
 Railway-tie, Metallic. J. G. Snyder. No. 894,403; July 28; Sp. p. 4251; Dr. p. 877; Gaz. vol. 135; p. 745.
 Railway-tie, Metallic. J. G. Snyder. No. 894,404; July 28; Sp. p. 4252; Dr. p. 877; Gaz. vol. 135; p. 746.
 Railway-tie, Metallic. J. G. Snyder. No. 894,405; July 28; Sp. p. 4254; Dr. p. 878; Gaz. vol. 135; p. 746.
 Railway-tie, Metallic. F. Schell. No. 895,799; Aug. 11; Sp. p. 2056; Dr. p. 437; Gaz. vol. 135; p. 1255.
 Railway-tie, Metallic. G. T. Bridwell. No. 897,580; Sept. 1; Sp. p. 697; Dr. p. 146; Gaz. vol. 136; p. 110.
 Railway-tie, Metallic. W. D. Lowry. No. 898,490; Sept. 15; Sp. p. 2523; Dr. pp. 539-40; Gaz. vol. 136; p. 467.
 Railway-tie, Metallic. A. M. Baird. No. 902,364; Oct. 27; Sp. p. 4808; Dr. p. 971; Gaz. vol. 136; p. 1915.
 Railway-tie, Metallic. S. R. Keim. No. 902,414; Oct. 27; Sp. p. 4895; Dr. p. 991; Gaz. vol. 136; p. 1930.
 Railway-tie, Metallic. J. A. Widner. No. 903,252; Nov. 10; Sp. p. 1444; Gaz. vol. 137; p. 266.
 Railway-tie, Metallic. Z. Mroczkowski. No. 905,344; Dec. 1; Sp. p. 424; Gaz. vol. 137; p. 1056.
 Railway-tie, Metallic. C. P. Hammond. No. 907,789; Dec. 29; Sp. p. 5285; Gaz. vol. 137; p. 1974.
 Railway-tie organization. C. M. Reed. No. 880,918; Mar. 3; Sp. p. 882; Dr. p. 190; Gaz. vol. 133; p. 148.
 Railway-tie plate. J. R. Keller. No. 906,033; Dec. 8; Sp. p. 1809; Gaz. vol. 137; p. 1311.
 Railway-tie, Steel. A. W. Jenkins. No. 907,502; Dec. 22; Sp. p. 4653; Gaz. vol. 137; p. 1849.
 Railway-tie-tamping machine. K. Chruszyk. No. 895,964; Aug. 11; Sp. p. 2382; Dr. p. 510; Gaz. vol. 135; p. 1308.
 Railway-ties, Metallic core for. W. B. Westbrook. No. 899,089; Sept. 22; Sp. p. 3638; Dr. p. 780; Gaz. vol. 136; p. 688.
 Railway-ties, Rail-fastening for concrete. H. H. Clough. No. 882,050; Mar. 17; Sp. p. 3153; Dr. p. 670; Gaz. vol. 133; p. 573.
 Railway-ties, Wear-plate for. S. Clary. No. 900,982; Oct. 13; Sp. p. 1941; Dr. p. 395; Gaz. vol. 136; p. 1398.
 Railway-track. A. Rambacher. No. 882,964; Mar. 24; Sp. p. 4925; Dr. pp. 1045-6; Gaz. vol. 133; p. 906.
 Railway-track. E. Molloy. No. 900,188; Oct. 6; Sp. p. 246; Dr. p. 50; Gaz. vol. 136; p. 1112.
 Railway-track and metal cross-tie. J. H. McCov. No. 896,657; Aug. 18; Sp. p. 3721; Dr. p. 801; Gaz. vol. 135; p. 1552.
 Railway-track brace. A. J. Coover. No. 877,759; Jan. 28; Sp. p. 4229; Dr. p. 918; Gaz. vol. 132; p. 777.
 Railway-track cleaner. T. Develer. No. 887,599; May 12; Sp. p. 2573; Dr. p. 543; Gaz. vol. 134; p. 443.

Alphabetical list of inventions—Continued.

- Railway-track-clearing device. J. A. Shires. No. 893,878; July 21; Sp. p. 3131; Dr. p. 643; Gaz. vol. 135; p. 550.
 Railway-track construction. O. B. Grant. No. 899,041; Sept. 22; Sp. p. 3556; Dr. p. 761; Gaz. vol. 136; p. 671.
 Railway-track curve, Ball-bearing. W. R. Clark. No. 902,053; Oct. 27; Sp. p. 4159; Dr. p. 842; Gaz. vol. 136; p. 1813.
 Railway-track fastener. W. H. Walden. (Reissue.) No. 12,852; Sept. 8; Sp. p. 2378; Dr. p. 508; Gaz. vol. 136; p. 412.
 Railway-track joint. J. Wisner. No. 895,393; Aug. 4; Sp. p. 1225; Dr. p. 258; Gaz. vol. 135; p. 1099.
 Railway-track lubricator. F. E. Bailey. No. 880,494; Mar. 3; Sp. p. 7; Dr. p. 2; Gaz. vol. 133; p. 4.
 Railway-track-motor. F. J. Ritter. No. 897,406; Sept. 1; Sp. p. 346; Dr. p. 73; Gaz. vol. 136; p. 53.
 Railway-track-rail-drilling machine. F. Marsellis. No. 900,109; Oct. 6; Sp. p. 76; Dr. pp. 15-16; Gaz. vol. 136; p. 1086.
 Railway-track-rail fastener. J. T. West. No. 893,962; July 21; Sp. p. 3302; Dr. p. 678; Gaz. vol. 135; p. 579.
 Railway-track rails from spreading, Appliance to prevent. J. M. De Witt. No. 886,315; Apr. 28; Sp. p. 5430; Dr. p. 1128; Gaz. vol. 133; p. 2145.
 Railway-track-spacing device. J. Klinkhammer. No. 886,134; Apr. 28; Sp. p. 5085; Dr. p. 1067; Gaz. vol. 133; p. 2083.
 Railway-track structure. J. O. Ulrich. No. 883,063; Mar. 24; Sp. p. 5102; Dr. p. 1089; Gaz. vol. 133; p. 936.
 Railway-train-order system. E. W. Appelmann. No. 892,493; July 7; Sp. p. 202; Dr. pp. 42-3; Gaz. vol. 135; p. 38.
 Railway-train protection. B. C. Rowell. No. 879,494; Feb. 18; Sp. p. 3287; Dr. pp. 688-9; Gaz. vol. 132; p. 1445.
 Railway-train safety appliance, Electric. E. T. Munger. No. 892,677; July 7; Sp. p. 552; Dr. p. 116; Gaz. vol. 135; p. 98.
 Railway-train safety appliance, Electric. A. H. Daus. No. 892,712; July 7; Sp. p. 619; Dr. p. 133; Gaz. vol. 135; p. 109.
 Railway-train safety appliance, Electric. H. A. Johnson. No. 892,734; July 7; Sp. p. 672; Dr. p. 142; Gaz. vol. 135; p. 116.
 Railway-train signal-flag. M. J. Horan. No. 881,990; Mar. 10; Sp. p. 2374; Dr. p. 514; Gaz. vol. 133; p. 426.
 Railway-trains, Apparatus for the control of. J. P. Coleman. No. 903,360; Nov. 10; Sp. p. 1645; Gaz. vol. 137; p. 302.
 Railway-trains, Automatic control for. J. P. Coleman. No. 903,359; Nov. 10; Sp. p. 1642; Gaz. vol. 137; p. 301.
 Railway-trains, Automatic stop for. J. T. Humphreys. No. 891,258; June 23; Sp. p. 4193; Dr. p. 918; Gaz. vol. 134; p. 1821.
 Railway-trains, Combined signal and speed-controlling mechanism for. J. G. Schreuder and V. K. Spicer. No. 903,414; Nov. 10; Sp. p. 1742; Gaz. vol. 137; p. 318.
 Railway-trains, Combined signal and speed-controlling mechanism for. J. G. Schreuder and V. K. Spicer. No. 903,415; Nov. 10; Sp. p. 1745; Gaz. vol. 137; p. 318.
 Railway-trains, Means for controlling pneumatic signal-pipes on. W. S. De Camp. No. 891,676; June 23; Sp. p. 5079; Dr. p. 1096; Gaz. vol. 134; p. 1959.
 Railway-trains, Safety appliance for. R. C. Millard. No. 882,157; Mar. 17; Sp. p. 3333; Dr. p. 711; Gaz. vol. 133; p. 607.
 Railway-trains, Safety device for stopping. T. T. Chaloner. No. 890,214; June 9; Sp. p. 2040; Dr. p. 449; Gaz. vol. 134; p. 1416.
 Railway-trains, Signaling system for. S. T. Stewart. No. 902,014; Oct. 27; Sp. p. 4084; Dr. p. 828; Gaz. vol. 136; p. 1801.
 Railway-trip-shoe. C. M. Hurst. No. 892,728; July 7; Sp. p. 663; Dr. p. 140; Gaz. vol. 135; p. 114.
 Railway-turn-table, Overhead. C. H. Witthoefft. No. 896,499; Aug. 18; Sp. p. 3431; Dr. p. 738; Gaz. vol. 135; p. 1504.
 Railway-vehicles, Automatic stop for. J. H. K. McCollum. No. 881,706; Mar. 10; Sp. p. 2400; Dr. pp. 521-2; Gaz. vol. 133; p. 432.
 Railway-wagon-stanchion and the like. C. H. Fox. No. 879,042; Feb. 11; Sp. p. 2354; Dr. pp. 492-3; Gaz. vol. 132; p. 1256.
 Railway-wagons and other vehicles, Antifriction mechanism for. A. Spencer. No. 885,801; Apr. 28; Sp. p. 4398; Dr. p. 921; Gaz. vol. 133; p. 1973.
 Railways, Alternating-current signaling apparatus for electric. J. S. Holliday. No. 873,138; Feb. 4; Sp. p. 492; Dr. p. 103; Gaz. vol. 132; p. 928.
 Railways, Alternating-current signaling apparatus for electric. J. S. Holliday. No. 878,139; Feb. 4; Sp. p. 484; Dr. pp. 103-4; Gaz. vol. 132; p. 928.
 Railways and power plants, Electromotor controlling and operating system for electric. J. Sahulka. No. 899,189; Sept. 22; Sp. p. 3852; Dr. p. 824; Gaz. vol. 136; p. 721.
 Railways and the like, Mercury switch for. R. Pfeil. No. 889,963; June 9; Sp. p. 1528; Dr. p. 345; Gaz. vol. 134; p. 1331.
 Railways and the like, Metal sleeper for. A. Ambert. No. 905,624; Dec. 1; Sp. p. 1026; Gaz. vol. 137; p. 1148.
 Railways and tramways, Brake for rolling-stock of. A. W. Maley. No. 896,129; Aug. 18; Sp. p. 2686; Dr. pp. 579-80; Gaz. vol. 135; p. 1383.
 Railways, Automatic electric signal system for. J. P. Buchanan. No. 886,676; May 5; Sp. p. 671; Dr. p. 139; Gaz. vol. 134; p. 115.
 Railways, Contact-box for electric. G. H. McFeaters. No. 890,866; June 16; Sp. p. 3395; Dr. pp. 744-5; Gaz. vol. 134; p. 1661.
 Railways, Contact-rail for electric. J. Hutchinson. No. 898,220; Sept. 8; Sp. p. 2014; Dr. pp. 427-8; Gaz. vol. 136; p. 347.
 Railways, Current-collector for the third rail of electric. J. G. Baukat. No. 881,531; Mar. 10; Sp. p. 2065; Dr. p. 451; Gaz. vol. 133; p. 375.
 Railways, Double-necked rail for. J. A. Myers. No. 887,832; May 19; Sp. p. 3053; Dr. p. 641; Gaz. vol. 134; p. 552.
 Railways, Electric indicating system for. H. G. Dorsey. No. 892,814; July 7; Sp. p. 825; Dr. p. 176; Gaz. vol. 135; p. 141.
 Railways, Electric safety and alarm system for. H. D. Williams and M. Leonard. No. 890,001; June 9; Sp. p. 1610; Dr. p. 360; Gaz. vol. 134; p. 1345.
 Railways, Electric safety-signal for. J. Pernat and J. Kerkowitz. No. 892,882; July 7; Sp. p. 989; Dr. pp. 206-7; Gaz. vol. 135; p. 165.
 Railways, Rail-fastener for cement ties for. F. J. Wright and D. E. Hanson. No. 905,972; Dec. 8; Sp. p. 1685; Gaz. vol. 137; p. 1290.
 Railways, Safety-catch for cable. M. Snyder and A. Zuzak. No. 885,303; Apr. 21; Sp. p. 3363; Dr. p. 704; Gaz. vol. 133; p. 1785.
 Railways, Safety-signal system for. W. F. Herting and F. C. Chlan. No. 875,911; Jan. 7; Sp. p. 447; Dr. p. 99; Gaz. vol. 132; p. 81.
 Railways, Signaling-circuit for. J. A. Wilson. No. 880,770; Mar. 3; Sp. p. 570; Dr. p. 121; Gaz. vol. 133; p. 98.
 Railways, Single-track signaling and train-controlling system for. F. E. Kinsman. No. 876,064; Jan. 7; Sp. p. 731; Dr. pp. 156-7; Gaz. vol. 132; p. 126.
 Railways, Sound-deadening construction for elevated. C. H. Conover and W. D. Murphy. No. 899,293; Sept. 22; Sp. p. 4064; Dr. p. 868; Gaz. vol. 136; p. 754.
 Railways, Support for the crossing-rails of. H. H. Dudley. No. 905,299; Dec. 1; Sp. p. 329; Gaz. vol. 137; p. 1041.
 Railways, System of automatic block-signaling for electric. W. K. Howe. No. 884,158; Apr. 7; Sp. p. 1040; Dr. p. 216; Gaz. vol. 133; p. 1352.
 Railways, System of electrically-controlled signals for. J. Paul and T. Ducousso. No. 901,122; Oct. 13; Sp. p. 2202; Dr. p. 447; Gaz. vol. 136; p. 1442.
 Rake: See Adjustable rake; Hay-rake; Lawn-rake; Rotary rake; Side-delivery rake.
 Rake. G. S. Adams. No. 885,309; Apr. 21; Sp. p. 3381; Dr. p. 707; Gaz. vol. 133; p. 1787.
 Rake. W. C. Rarig. No. 886,406; May 5; Sp. p. 135; Dr. pp. 26-7; Gaz. vol. 134; p. 27.
 Rake. B. H. Ellis. No. 886,689; May 5; Sp. p. 712; Dr. p. 146; Gaz. vol. 134; p. 120.
 Rake. C. I. J. Barker. No. 887,054; May 12; Sp. p. 1427; Dr. p. 302; Gaz. vol. 134; p. 263.
 Rake. A. S. Burokhalter. No. 889,656; June 2; Sp. p. 904; Dr. p. 209; Gaz. vol. 134; p. 1207.
 Rake. S. P. Lerch. No. 890,074; June 9; Sp. p. 1763; Dr. p. 390; Gaz. vol. 134; p. 1370.
 Rake. F. P. Beedle. No. 892,213; June 30; Sp. p. 6143; Dr. p. 1323; Gaz. vol. 134; p. 2167.
 Rake. H. B. Sperry. No. 896,770; Aug. 25; Sp. p. 3969; Dr. p. 854; Gaz. vol. 135; p. 1613.
 Rake. C. Walther. No. 897,689; Sept. 1; Sp. p. 903; Dr. pp. 193-4; Gaz. vol. 136; p. 145.
 Rake. J. L. Kummer. No. 902,238; Oct. 27; Sp. p. 4531; Dr. p. 918; Gaz. vol. 136; p. 1871.
 Rake attachment, Hand-. O. Hubbell. No. 882,467; Mar. 17; Sp. p. 3919; Dr. p. 838; Gaz. vol. 133; p. 708.
 Rake attachment, Hay-. S. B. Severson. No. 891,446; June 23; Sp. p. 4583; Dr. p. 996; Gaz. vol. 134; p. 1883.
 Rake-cleaner. J. E. Lucas. No. 886,711; May 5; Sp. p. 765; Dr. p. 156; Gaz. vol. 134; p. 128.
 Rake-head bar and teeth. C. E. B. Long. No. 892,532; July 7; Sp. p. 274; Dr. p. 60; Gaz. vol. 135; p. 51.
 Rake-shoe. N. Hughes. No. 885,252; Apr. 21; Sp. p. 3267; Dr. p. 681; Gaz. vol. 133; p. 1769.
 Rake-tooth cleaner. H. Tait. No. 886,164; Apr. 28; Sp. p. 5132; Dr. p. 1079; Gaz. vol. 133; p. 2092.
 Raker-bar. J. Dain. No. 880,634; Mar. 3; Sp. p. 295; Dr. p. 65; Gaz. vol. 133; p. 52.
 Ram. G. L. Le Vesconte. No. 885,264; Apr. 21; Sp. p. 3288; Dr. pp. 687-8; Gaz. vol. 133; p. 1773.
 Ram, Hydraulic. L. Rubach. No. 878,239; Feb. 4; Sp. p. 706; Dr. p. 145; Gaz. vol. 132; p. 961.
 Ram, Hydraulic. A. H. Francfort. No. 881,314; Mar. 10; Sp. p. 1645; Dr. pp. 352-3; Gaz. vol. 133; p. 307.
 Ramie and other textile substances, Apparatus for treatment of. J. Bendel. No. 897,956; Sept. 8; Sp. p. 1486; Dr. p. 316; Gaz. vol. 136; p. 264.
 Ramie-decoricator. H. J. Boeken. No. 877,983; Feb. 4; Sp. p. 173; Dr. pp. 38-9; Gaz. vol. 132; p. 878.
 Range. W. M. Fulton. No. 876,536; Jan. 14; Sp. p. 1730; Dr. p. 376; Gaz. vol. 132; p. 314.
 Range. S. R. Stine. No. 899,813; Sept. 29; Sp. p. 5116; Dr. p. 1094; Gaz. vol. 136; p. 960.
 Range and stove water-heater. B. B. Culver. No. 907,469; Dec. 22; Sp. p. 4592; Gaz. vol. 137; p. 1839.
 Range-boiler. M. Gerstein. No. 900,012; Sept. 29; Sp. p. 5537; Dr. p. 1180; Gaz. vol. 136; p. 1024.
 Range, Camp-. J. Conley. No. 905,502; Dec. 1; Sp. p. 801; Gaz. vol. 137; p. 1110.
 Range, Combined coal and gas. C. H. Miller. No. 899,885; Sept. 29; Sp. p. 5260; Dr. p. 1125; Gaz. vol. 136; p. 983.
 Range, Cooking-. K. Luger-Hefel. No. 899,254; Sept. 22; Sp. p. 4005; Dr. pp. 854-5; Gaz. vol. 136; p. 743.
 Range-finder. L. Taylor. No. 903,915; Nov. 17; Sp. p. 2804; Gaz. vol. 137; p. 515.
 Range, Gas-. W. J. Hallarn. No. 887,391; May 12; Sp. p. 2177; Dr. p. 455; Gaz. vol. 134; p. 376.

Alphabetical list of inventions—Continued.

- Range-keeper. A. T. Dawson and G. T. Buckham. No. 896,975; Aug. 25; Sp. p. 4442; Dr. pp. 949-51; Gaz. vol. 135; p. 1682.
- Range Kitchen-. A. Frondel. No. 891,769; June 23; Sp. p. 5246; Dr. p. 1137; Gaz. vol. 134; p. 1990.
- Range lighter, Gas-. P. A. Johansen. No. 894,954; Aug. 4; Sp. p. 352; Dr. p. 71; Gaz. vol. 135; p. 952.
- Range-oven. H. E. James. No. 889,236; June 2; Sp. p. 88; Dr. p. 20; Gaz. vol. 134; p. 1072.
- Range, Steam cooking-. J. B. Barrett. No. 878,449; Feb. 4; Sp. p. 1109; Dr. p. 228; Gaz. vol. 132; p. 1031.
- Range utensil, Cooking-. R. B. Dickinson. No. 902,215; Oct. 27; Sp. p. 4478; Dr. p. 906; Gaz. vol. 136; p. 1865.
- Ranges, illuminating and igniting attachment for gas-. C. H. Gatchell. No. 897,081; Aug. 25; Sp. p. 4655; Dr. p. 992; Gaz. vol. 135; p. 1717.
- Ranges, &c., Magazine-feeder for. H. Cull. No. 895,540; Aug. 11; Sp. p. 1537; Dr. p. 325; Gaz. vol. 135; p. 1172.
- Ranges, &c., Water-heating attachment for. E. W. Vest. No. 882,541; Mar. 17; Sp. p. 4072; Dr. p. 866; Gaz. vol. 133; p. 734.
- Rasp or foot leveler, Horse. F. B. Gardner. No. 901,290; Oct. 13; Sp. p. 2524; Dr. p. 518; Gaz. vol. 136; p. 1496.
- Rat-killing device. H. Reese. No. 887,125; May 12; Sp. p. 1564; Dr. p. 331; Gaz. vol. 134; p. 287.
- Rat-trap. W. E. Morris. No. 892,765; July 7; Sp. p. 715; Dr. p. 151; Gaz. vol. 135; p. 123.
- Rat-trap. T. L. Smith. No. 895,050; Aug. 4; Sp. p. 554; Dr. p. 114; Gaz. vol. 135; p. 984.
- Rat-trap. S. S. Boyd. No. 895,416; Aug. 11; Sp. p. 1289; Dr. p. 270; Gaz. vol. 135; p. 1131.
- Rat-trap. T. Knight. No. 895,473; Aug. 11; Sp. p. 1408; Dr. p. 295; Gaz. vol. 135; p. 1150.
- Rat-trap and bucket, Combination. C. Herndon. No. 881,401; Mar. 10; Sp. p. 1817; Dr. p. 393; Gaz. vol. 133; p. 333.
- Rats, mice, and other animals, Device employed for exterminating. J. Barad and E. E. Markoff. No. 883,611; Mar. 31; Sp. p. 6241; Dr. p. 1332; Gaz. vol. 133; p. 1143.
- Ratan canes, Method of and apparatus for stripping weaving-strips from. H. W. Temps. No. 882,978; Mar. 24; Sp. p. 4948; Dr. p. 1052; Gaz. vol. 133; p. 910.
- Ratchet-brace. G. M. D. Heard. No. 878,204; Feb. 4; Sp. p. 647; Dr. pp. 132-3; Gaz. vol. 132; p. 950.
- Ratchet-coupling. T. W. Morgan. No. 890,083; June 9; Sp. p. 1775; Dr. p. 392; Gaz. vol. 134; p. 1373.
- Ratchet-coupling, Automatic. R. H. Danzinger. No. 907,574; Dec. 22; Sp. p. 4777; Gaz. vol. 137; p. 1872.
- Ratchet-drill. J. B. Blackwell. No. 877,288; Jan. 21; Sp. p. 3301; Dr. pp. 714-15; Gaz. vol. 132; p. 605.
- Ratchet-drill. F. C. Bohm. No. 885,221; Apr. 21; Sp. p. 3212; Dr. p. 670; Gaz. vol. 133; p. 1758.
- Ratchet mechanism. R. C. Ellrich. No. 880,870; Mar. 3; Sp. p. 794; Dr. p. 168; Gaz. vol. 133; p. 133.
- Ratchet mechanism. E. A. Schade. No. 882,539; Mar. 17; Sp. p. 4069; Dr. p. 865; Gaz. vol. 133; p. 733.
- Ratchet mechanism. G. O. Leopold. No. 894,673; July 28; Sp. p. 4783; Dr. p. 993; Gaz. vol. 135; p. 834.
- Ratchet mechanism. I. M. Hackney. No. 906,624; Dec. 15; Sp. p. 2916; Gaz. vol. 137; p. 1527.
- Ratchet-tool. E. R. Packer. No. 897,772; Sept. 1; Sp. p. 1081; Dr. p. 232; Gaz. vol. 136; p. 172.
- Ratchet-wrench. A. Munch. No. 878,657; Feb. 11; Sp. p. 1643; Dr. p. 337; Gaz. vol. 132; p. 1135.
- Ratchet-wrench. T. G. Kinder. No. 880,670; Mar. 3; Sp. p. 360; Dr. p. 79; Gaz. vol. 133; p. 63.
- Ratchet-wrench. H. E. Gefcken. No. 883,309; Mar. 31; Sp. p. 5627; Dr. p. 1200; Gaz. vol. 133; p. 1048.
- Ratchet-wrench. A. J. Campbell. No. 888,420; May 19; Sp. p. 4186; Dr. p. 888; Gaz. vol. 134; p. 742.
- Ratchet-wrench. M. H. Mills. No. 891,559; June 23; Sp. p. 4815; Dr. p. 1040; Gaz. vol. 134; p. 1919.
- Ratchet-wrench. A. J. Higbee. No. 894,641; July 28; Sp. p. 4715; Dr. p. 979; Gaz. vol. 135; p. 822.
- Ratchet-wrench. G. Hollandsworth. No. 895,757; Aug. 11; Sp. p. 1961; Dr. p. 415; Gaz. vol. 135; p. 1242.
- Ratchet-wrench. W. L. Zeller. No. 896,607; Aug. 18; Sp. p. 3629; Dr. p. 779; Gaz. vol. 135; p. 1538.
- Ratchet-wrench. W. P. Walker. No. 898,806; Sept. 15; Sp. p. 3127; Dr. p. 670; Gaz. vol. 136; p. 568.
- Ratchet-wrench, Reversible. J. M. Reams. No. 893,097; July 14; Sp. p. 1425; Dr. p. 302; Gaz. vol. 135; p. 264.
- Ratchet-wrench, Socket. W. A. Burnop. No. 886,476; May 5; Sp. p. 272; Dr. p. 57; Gaz. vol. 134; p. 50.
- Raveling-machine. S. G. Miller. No. 878,980; Feb. 11; Sp. p. 2246; Dr. pp. 469-70; Gaz. vol. 132; p. 1237.
- Razor. J. E. Parkison. No. 882,413; Mar. 17; Sp. p. 3822; Dr. pp. 816-17; Gaz. vol. 133; p. 691.
- Razor. B. J. Weller. No. 885,410; Apr. 21; Sp. p. 3596; Dr. p. 753; Gaz. vol. 133; p. 1821.
- Razor. M. Schütze. No. 886,875; May 5; Sp. p. 1085; Dr. p. 227; Gaz. vol. 134; p. 178.
- Razor. A. Kistor. No. 888,019; May 19; Sp. p. 3417; Dr. p. 717; Gaz. vol. 134; p. 613.
- Razor. J. E. Leresche. No. 892,750; July 7; Sp. p. 706; Dr. p. 150; Gaz. vol. 135; p. 122.
- Razor. A. Koscherak. No. 901,537; Oct. 20; Sp. p. 3089; Dr. p. 631; Gaz. vol. 136; p. 1616.
- Razor. J. A. Reams. (Reissue). No. 12,882; Nov. 24; Sp. p. 5340; Gaz. vol. 137; p. 950.
- Razor. G. L. Truitt. No. 907,424; Dec. 22; Sp. p. 4494; Gaz. vol. 137; p. 1823.
- Razor and stopper, Combined safety-. W. S. Tabb. No. 902,625; Nov. 3; Sp. p. 186; Gaz. vol. 137; p. 31.
- Razor and stropping device, Safety-. S. B. Battey. No. 878,450; Feb. 4; Sp. p. 1111; Dr. p. 228; Gaz. vol. 132; p. 1031.
- Razor, Automatic. J. K. Joice. No. 899,870; Sept. 29; Sp. p. 5238; Dr. p. 1120; Gaz. vol. 136; p. 979.
- Razor-blade holder. C. Utter. No. 883,765; Mar. 3; Sp. p. 558; Dr. p. 118; Gaz. vol. 133; p. 97.
- Razor-blade holder. P. J. Enright. No. 884,805; Apr. 14; Sp. p. 2342; Dr. p. 493; Gaz. vol. 133; p. 1593.
- Razor-blade holder. J. R. Torrey. No. 898,704; Sept. 15; Sp. p. 2944; Dr. p. 631; Gaz. vol. 136; p. 535.
- Razor-blade holder, Safety-. E. J. Deneen. No. 879,446; Feb. 18; Sp. p. 3189; Dr. p. 664; Gaz. vol. 132; p. 1430.
- Razor-blade-stropping device, Safety-. J. F. Medbery. No. 887,682; May 12; Sp. p. 2731; Dr. p. 577; Gaz. vol. 134; p. 471.
- Razor blades, Holder for use in sharpening safety-. P. E. Shee. No. 903,792; Nov. 10; Sp. p. 2516; Gaz. vol. 137; p. 440.
- Razor frame, Safety-. B. Gallinek. No. 904,861; Nov. 24; Sp. p. 4814; Gaz. vol. 137; p. 861.
- Razor-guard. E. B. Gifford. No. 889,183; May 26; Sp. p. 5779; Dr. p. 1224; Gaz. vol. 134; p. 1023.
- Razor-guard. T. Owens. No. 892,679; July 7; Sp. p. 561; Dr. p. 117; Gaz. vol. 135; p. 99.
- Razor guard, Safety-. A. A. Warner. No. 895,920; Aug. 11; Sp. p. 2281; Dr. p. 487; Gaz. vol. 135; p. 1294.
- Razor-hone. S. Santino. No. 896,667; Aug. 18; Sp. p. 3734; Dr. pp. 804-5; Gaz. vol. 135; p. 1555.
- Razor honing and stropping device. G. W. Mosby. No. 876,825; Jan. 14; Sp. p. 2304; Dr. p. 507; Gaz. vol. 132; p. 408.
- Razor-honing machine. C. F. Boldt. No. 903,835; Nov. 17; Sp. p. 2616; Gaz. vol. 137; p. 486.
- Razor, Safety-. A. A. Warner. No. 878,841; Feb. 11; Sp. p. 1983; Dr. p. 412; Gaz. vol. 132; p. 1194.
- Razor, Safety-. J. Heissenberger. No. 879,264; Feb. 18; Sp. p. 2808; Dr. p. 589; Gaz. vol. 132; p. 1370.
- Razor, Safety-. L. Ebner. No. 879,611; Feb. 18; Sp. p. 3557; Dr. p. 744; Gaz. vol. 132; p. 1483.
- Razor, Safety-. O. V. Ball. No. 880,269; Feb. 25; Sp. p. 4917; Dr. p. 1041; Gaz. vol. 132; p. 1733.
- Razor, Safety-. J. Heissenberger. No. 880,735; Mar. 3; Sp. p. 497; Dr. p. 103; Gaz. vol. 133; p. 86.
- Razor, Safety-. J. H. Bowen. No. 880,860; Mar. 3; Sp. p. 774; Dr. p. 164; Gaz. vol. 133; p. 129.
- Razor, Safety-. W. J. Smart. No. 881,033; Mar. 3; Sp. p. 1083; Dr. p. 235; Gaz. vol. 133; p. 185.
- Razor, Safety-. L. T. Snow. No. 881,720; Mar. 10; Sp. p. 2463; Dr. p. 530; Gaz. vol. 133; p. 439.
- Razor, Safety-. L. T. Snow. No. 881,731; Mar. 10; Sp. p. 2465; Dr. p. 531; Gaz. vol. 133; p. 440.
- Razor, Safety-. E. M. Quint. No. 882,963; Mar. 24; Sp. p. 4925; Dr. p. 1045; Gaz. vol. 133; p. 905.
- Razor, Safety-. J. A. Everett. No. 884,375; Apr. 14; Sp. p. 1443; Dr. p. 307; Gaz. vol. 133; p. 1451.
- Razor, Safety-. F. H. Arnold. 885,422; Apr. 21; Sp. p. 3612; Dr. p. 757; Gaz. vol. 133; p. 1824.
- Razor, Safety-. G. Tittmann. No. 885,966; Apr. 28; Sp. p. 4746; Dr. p. 997; Gaz. vol. 133; p. 2031.
- Razor, Safety-. H. Clauss. No. 886,039; Apr. 28; Sp. p. 4905; Dr. p. 1031; Gaz. vol. 133; p. 2053.
- Razor, Safety-. W. R. Fowler. No. 890,350; June 9; Sp. p. 2346; Dr. p. 518; Gaz. vol. 134; p. 1460.
- Razor, Safety-. L. H. Cobb. No. 890,406; June 9; Sp. p. 2444; Dr. p. 540; Gaz. vol. 134; p. 1477.
- Razor, Safety-. J. C. Boyle. No. 892,126; June 30; Sp. p. 6146; Dr. p. 1324; Gaz. vol. 134; p. 2168.
- Razor, Safety-. G. P. Taylor. No. 892,629; July 7; Sp. p. 462; Dr. pp. 98-9; Gaz. vol. 135; p. 82.
- Razor, Safety-. H. S. Buckland. No. 892,707; July 7; Sp. p. 611; Dr. p. 132; Gaz. vol. 135; p. 107.
- Razor, Safety-. H. S. Buckland. No. 892,708; July 7; Sp. p. 613; Dr. p. 132; Gaz. vol. 135; p. 107.
- Razor, Safety-. H. S. Buckland. No. 892,709; July 7; Sp. p. 615; Dr. p. 132; Gaz. vol. 135; p. 108.
- Razor, Safety-. R. H. Reed. No. 894,854; Aug. 4; Sp. p. 102; Dr. p. 21; Gaz. vol. 135; p. 918.
- Razor, Safety-. H. Clauss. No. 895,429; Aug. 11; Sp. p. 1311; Dr. p. 276; Gaz. vol. 135; p. 1135.
- Razor, Safety-. J. H. Flagg. No. 895,997; Aug. 11; Sp. p. 2450; Dr. p. 529; Gaz. vol. 135; p. 1320.
- Razor, Safety-. R. H. Reed. No. 896,153; Aug. 18; Sp. p. 2720; Dr. p. 537; Gaz. vol. 135; p. 1389.
- Razor, Safety-. J. Hartness. No. 896,383; Aug. 18; Sp. p. 3194; Dr. p. 685; Gaz. vol. 135; p. 1464.
- Razor, Safety-. M. G. Bunnell. No. 898,688; Aug. 18; Sp. p. 3790; Dr. p. 819; Gaz. vol. 135; p. 1562.
- Razor, Safety-. T. A. Bell and E. J. Uhle. No. 901,062; Oct. 13; Sp. p. 2091; Dr. p. 425; Gaz. vol. 136; p. 1424.
- Razor, Safety-. M. Flynn. No. 901,530; Oct. 20; Sp. p. 3077; Dr. p. 629; Gaz. vol. 136; p. 1614.
- Razor, Safety-. L. H. Cobb. No. 903,957; Nov. 17; Sp. p. 2891; Gaz. vol. 137; p. 528.
- Razor, Safety-. W. H. Nicholls. No. 905,913; Dec. 8; Sp. p. 1585; Gaz. vol. 137; p. 1273.
- Razor, Safety-. T. F. Curley. No. 906,203; Dec. 8; Sp. p. 2135; Gaz. vol. 137; p. 1366.
- Razor, Safety-. W. H. Crichton-Clarke. No. 906,488; Dec. 8; Sp. p. 2662; Gaz. vol. 137; p. 1460.
- Razor, Safety-. F. J. Halbekann. No. 906,706; Dec. 15; Sp. p. 3069; Gaz. vol. 137; p. 1553.
- Razor, Safety-. E. V. Edwards. No. 908,225; Dec. 29; Sp. p. 6218; Gaz. vol. 137; p. 2119.
- Razor safety attachment. A. Arbenz. No. 903,160; Nov. 10; Sp. p. 1245; Gaz. vol. 137; p. 236.

Alphabetical list of inventions—Continued.

- Razor safety-guard. H. Watson. No. 903,347; Nov. 10; Sp. p. 1620; Gaz. vol. 137; p. 297.
- Razor-strop. C. W. Babcock. No. 882,228; Mar. 17; Sp. p. 3482; Dr. p. 740; Gaz. vol. 133; p. 629.
- Razor-strop. S. Hauser and E. S. Shepherd. No. 898,418; Sept. 8; Sp. p. 2370; Dr. p. 506; Gaz. vol. 136; p. 411.
- Razor-strop or device for stropping razors or blades. A. Craig. No. 876,528; Jan. 14; Sp. p. 1715; Dr. p. 372; Gaz. vol. 132; p. 311.
- Razor-strops, Compound for use with. J. M. Reno. No. 879,319; Feb. 18; Sp. p. 2920; Gaz. vol. 132; p. 1389.
- Razor-stropping device. J. R. Torrey. No. 898,705; Sept. 15; Sp. p. 2945; Dr. p. 631; Gaz. vol. 136; p. 536.
- Razor-stropping device, Safety-. L. B. Gaylor. No. 891,986; June 30; Sp. p. 5716; Dr. p. 1230; Gaz. vol. 134; p. 2094.
- Razor-stropping device, Safety-. T. H. Randolph. No. 895,498; Aug. 11; Sp. p. 1453; Dr. p. 805; Gaz. vol. 135; p. 1158.
- Razor-stropping machine. A. W. Scheuber. No. 892,011; June 30; Sp. p. 5755; Dr. p. 1237; Gaz. vol. 134; p. 2101.
- Razor-stropping machine. C. E. Dunn. No. 907,014; Dec. 15; Sp. p. 3649; Gaz. vol. 137; p. 1650.
- Razor-stropper. A. H. Fleming. No. 882,630; Mar. 24; Sp. p. 4257; Dr. p. 902; Gaz. vol. 133; p. 796.
- Razors, Removable safety-guard for. G. Johnson and F. J. McLaren. No. 879,875; Feb. 25; Sp. p. 4101; Dr. p. 861; Gaz. vol. 132; p. 1602.
- Reach-bar. W. H. Rakestraw. No. 876,013; Jan. 7; Sp. p. 636; Dr. p. 136; Gaz. vol. 132; p. 110.
- Reaction-chambers, &c., Filling for. H. Petersen. No. 899,898; Sept. 29; Sp. p. 5285; Dr. p. 1130; Gaz. vol. 136; p. 987.
- Reaction-chambers, Filling material for. H. Petersen. No. 899,899; Sept. 29; Sp. p. 5287; Dr. p. 1130; Gaz. vol. 136; p. 988.
- Reactions, Apparatus for effecting. E. A. Sperry. No. 877,245; Jan. 21; Sp. p. 3221; Dr. p. 698; Gaz. vol. 132; p. 592.
- Reactions, Apparatus for effecting. E. A. Sperry. No. 885,391; Apr. 21; Sp. p. 3560; Dr. pp. 745-6; Gaz. vol. 133; p. 1815.
- Reactions between solids and gases, Effecting. E. A. Sperry. No. 877,246; Jan. 21; Sp. p. 3224; Dr. p. 698; Gaz. vol. 132; p. 592.
- Reactive coil. C. P. Steinmetz. No. 883,919; Apr. 7; Sp. p. 504; Dr. p. 100; Gaz. vol. 133; p. 1272.
- Reamer. C. L. Martin. No. 886,830; May 5; Sp. p. 1008; Dr. p. 212; Gaz. vol. 134; p. 165.
- Reamer. C. Feagler. No. 892,585; July 7; Sp. p. 367; Dr. p. 80; Gaz. vol. 135; p. 68.
- Reamer. C. E. Jackson. No. 906,432; Dec. 8; Sp. p. 2558; Gaz. vol. 137; p. 1440.
- Reamer, Adjustable. F. B. McCrosky. No. 892,871; July 7; Sp. p. 955; Dr. p. 201; Gaz. vol. 135; p. 160.
- Reamer, Adjustable. P. E. Johanson. No. 895,090; Aug. 4; Sp. p. 629; Dr. p. 131; Gaz. vol. 135; p. 999.
- Reamer and boring-head. R. N. Melvin. No. 882,529; Mar. 17; Sp. p. 4052; Dr. p. 862; Gaz. vol. 133; p. 730.
- Reamer-tap. G. T. Reiss. No. 899,759; Sept. 29; Sp. p. 4988; Dr. p. 1069; Gaz. vol. 136; p. 941.
- Reaper. T. E. Lind. No. 899,878; Sept. 29; Sp. p. 5250; Dr. pp. 1122-3; Gaz. vol. 136; p. 981.
- Reaper and binder, Platform. M. W. Chaiton. No. 887,378; May 12; Sp. p. 2147; Dr. pp. 449-50; Gaz. vol. 134; p. 371.
- Reaper, Central-delivery. A. Hovland. No. 885,157; Apr. 21; Sp. p. 3063; Dr. p. 644; Gaz. vol. 133; p. 1736.
- Reaping, mowing, and the like machines, Reel for. M. Schiller. No. 880,104; Feb. 25; Sp. p. 4567; Dr. p. 962; Gaz. vol. 132; p. 1677.
- Rear sight. W. H. Marble. No. 894,275; July 28; Sp. p. 3986; Dr. p. 822; Gaz. vol. 135; p. 703.
- Receipt, Manifolding. W. F. Blake and L. C. Hunter. No. 883,079; Mar. 24; Sp. p. 5134; Dr. p. 1095; Gaz. vol. 133; p. 941.
- Receiver. W. T. Boyd. No. 885,223; Apr. 21; Sp. p. 3215; Dr. p. 671; Gaz. vol. 133; p. 1759.
- Receiver. J. S. Goldberg. No. 901,704; Oct. 20; Sp. p. 3464; Dr. p. 702; Gaz. vol. 136; p. 1672.
- Receiver and damper-regulator, Combined. D. A. Midgley. No. 896,561; Aug. 18; Sp. p. 3548; Dr. p. 762; Gaz. vol. 135; p. 1523.
- Receiving apparatus. H. Shoemaker. No. 902,613; Nov. 3; Sp. p. 167; Gaz. vol. 137; p. 28.
- Receiving apparatus for pneumatic-despatch systems. H. D. Waterhouse. No. 906,342; Dec. 8; Sp. p. 2404; Gaz. vol. 137; p. 1412.
- Receptacle. C. Uden. No. 877,811; Jan. 28; Sp. p. 4314; Sp. p. 937; Gaz. vol. 132; p. 792.
- Receptacle. W. W. Strong. No. 880,194; June 9; Sp. p. 2008; Dr. p. 442; Gaz. vol. 134; p. 1410.
- Receptacle. G. Shields. No. 899,338; Sept. 22; Sp. p. 4139; Dr. p. 886; Gaz. vol. 136; p. 768.
- Receptacle. F. Weisenberg. No. 900,901; Oct. 13; Sp. p. 1767; Dr. p. 359; Gaz. vol. 136; p. 1371.
- Receptacle. A. Stavisky. No. 903,824; Nov. 10; Sp. p. 2584; Gaz. vol. 137; p. 451.
- Receptacle. M. A. Adams. No. 904,745; Nov. 24; Sp. p. 4550; Gaz. vol. 137; p. 821.
- Receptacle and stool, Combined ventilated. I. Compton. No. 889,508; June 2; Sp. p. 639; Dr. p. 148; Gaz. vol. 134; p. 1159.
- Receptacle and support therefor. J. J. Mahoney. No. 906,247; Dec. 8; Sp. p. 2228; Gaz. vol. 137; p. 1382.
- Receptacle-closure. F. Lalau. No. 886,994; May 5; Sp. p. 1297; Dr. p. 273; Gaz. vol. 134; p. 216.
- Receptacle-closure. G. J. Kirby. No. 897,983; Sept. 8; Sp. p. 1543; Dr. p. 328; Gaz. vol. 136; p. 273.
- Receptacle-closure. A. Rasmussen and M. Olsen. No. 901,646; Oct. 20; Sp. p. 3298; Dr. p. 677; Gaz. vol. 136; p. 1650.
- Receptacle-closure, Detachable. H. P. McMillan. No. 886,397; May 5; Sp. p. 111; Dr. p. 21; Gaz. vol. 134; p. 24.
- Receptacle-closure, Hermetic. W. A. Lorenz. No. 889,531; June 2; Sp. p. 686; Dr. p. 157; Gaz. vol. 134; p. 1166.
- Receptacle, Collapsible. H. J. Potter. No. 888,653; May 26; Sp. p. 4671; Dr. p. 992; Gaz. vol. 134; p. 852.
- Receptacle-cover. W. H. Phenice. No. 900,583; Oct. 6; Sp. p. 1097; Dr. p. 225; Gaz. vol. 136; p. 1241.
- Receptacle-filling machine. E. A. Hey and M. Braun. No. 893,583; July 14; Sp. p. 2449; Dr. pp. 509-10; Gaz. vol. 135; p. 423.
- Receptacle, Flexible. T. Iwanami. No. 890,771; June 16; Sp. p. 3220; Dr. p. 703; Gaz. vol. 134; p. 1631.
- Receptacle for materials to be applied with a brush. C. F. Jenkins. No. 891,262; June 23; Sp. p. 4201; Dr. p. 919; Gaz. vol. 134; p. 1822.
- Receptacle, Hermetically-closed. W. M. Brownlee. No. 883,693; Apr. 7; Sp. p. 18; Dr. p. 4; Gaz. vol. 133; p. 1198.
- Receptacle-holder. C. C. Little. No. 898,755; Sept. 15; Sp. p. 3034; Dr. p. 651; Gaz. vol. 136; p. 551.
- Receptacle, Knockdown. J. W. Dulaney. No. 891,609; June 23; Sp. p. 4908; Dr. pp. 1058-9; Gaz. vol. 134; p. 1934.
- Receptacle, Knockdown. M. Hutchinson. No. 903,381; Nov. 10; Sp. p. 1680; Gaz. vol. 137; p. 308.
- Receptacle or container for semifluid or other like substances. F. R. James. No. 876,968; Jan. 21; Sp. p. 2634; Dr. pp. 571-2; Gaz. vol. 132; p. 497.
- Receptacle, Packing and display. O. P. Malone. No. 896,061; Aug. 11; Sp. p. 2561; Dr. p. 555; Gaz. vol. 135; p. 1340.
- Receptacle stopper and brush. B. G. Volger. No. 878,437; Feb. 4; Sp. p. 1086; Dr. p. 221; Gaz. vol. 132; p. 1027.
- Receptacles, Closure for mucilage and other. R. Mason. No. 880,679; Mar. 3; Sp. p. 275; Dr. p. 82; Gaz. vol. 133; p. 66.
- Receptacles, Forming compound. A. C. Badger. No. 895,412; Aug. 11; Sp. p. 1276; Dr. p. 268; Gaz. vol. 135; p. 1130.
- Reciprocating motion, Mechanism for producing. A. L. Waugh. No. 894,992; Aug. 4; Sp. p. 438; Dr. p. 90; Gaz. vol. 135; p. 966.
- Reciprocating motor. I. Yassenoff. No. 894,928; Aug. 4; Sp. p. 313; Dr. p. 63; Gaz. vol. 135; p. 944.
- Reclining-chair. W. White. No. 875,760; Jan. 7; Sp. p. 161; Dr. p. 35; Gaz. vol. 132; p. 31.
- Reclining-chair. J. J. Pokorny. No. 879,489; Feb. 18; Sp. p. 3279; Dr. p. 685; Gaz. vol. 132; p. 1443.
- Reclining-chair. N. Petry. No. 887,267; May 12; Sp. p. 1856; Dr. p. 392; Gaz. vol. 134; p. 332.
- Reclining-chair. E. H. Robinson. No. 890,454; June 9; Sp. p. 2525; Dr. p. 559; Gaz. vol. 134; p. 1492.
- Reclining-chair. J. H. Mills. No. 900,945; Oct. 13; Sp. p. 1866; Dr. p. 380; Gaz. vol. 136; p. 1386.
- Reclining-chair. F. M. Davis. No. 903,361; Nov. 10; Sp. p. 1649; Gaz. vol. 137; p. 302.
- Record and file, Card. W. O. Johnson. No. 907,244; Dec. 22; Sp. p. 4142; Gaz. vol. 137; p. 1762.
- Recorder: See Course and log recorder; Electrical-impulse recorder; Fare-recorder; Fluid-recorder; Headway-recorder; Horse-power recorder; Locomotive speed-recorder; Music-recorder; Passenger-recorder; Pressure-recorder; Sawmill-recorder; Signal-recorder; Sound-recorder; Speed-recorder; Time-recorder.
- Recorder. R. A. Wood. No. 876,854; Jan. 14; Sp. p. 2359; Dr. pp. 516-17; Gaz. vol. 132; p. 417.
- Recorders or reproducers, Diaphragm for. G. J. Anderson. No. 892,205; June 30; Sp. p. 6128; Dr. p. 1318; Gaz. vol. 134; p. 2165.
- Recording and calculating machine, Combined. L. G. Julihn. No. 903,866; Nov. 17; Sp. p. 2683; Gaz. vol. 137; p. 497.
- Recording and duplicating device. J. C. Proebstel. No. 882,123; Mar. 17; Sp. p. 3276; Dr. pp. 698-9; Gaz. vol. 133; p. 597.
- Recording device. E. S. Cole. No. 880,720; Mar. 3; Sp. p. 457; Dr. p. 96; Gaz. vol. 133; p. 80.
- Recording device. A. B. Herrick. No. 907,235; Dec. 22; Sp. p. 4120; Gaz. vol. 137; p. 1758.
- Recording-gage, Automatic. W. E. Jerauld. No. 877,198; Jan. 21; Sp. p. 3125; Dr. p. 677; Gaz. vol. 132; p. 575.
- Recording-indicator for reciprocating devices, Long-distance. R. H. Sterling. No. 880,592; Mar. 3; Sp. p. 216; Dr. p. 45; Gaz. vol. 133; p. 37.
- Recording instrument. J. Harris. No. 899,043; Sept. 22; Sp. p. 3560; Dr. pp. 762-3; Gaz. vol. 136; p. 672.
- Recording-tool. P. P. Coler. No. 881,302; Mar. 10; Sp. p. 1627; Dr. pp. 347-8; Gaz. vol. 133; p. 303.
- Rectal supporter. H. E. Cunningham. No. 878,191; Feb. 4; Sp. p. 620; Dr. p. 127; Gaz. vol. 132; p. 946.
- Rectangular can for dried beef and other articles. W. J. Mullaey and J. E. Schenck. No. 878,553; Feb. 11; Sp. p. 1414; Dr. p. 290; Gaz. vol. 132; p. 1100.
- Rectifier and detector. G. W. Pierce. No. 879,062; Feb. 11; Sp. p. 2392; Dr. p. 501; Gaz. vol. 132; p. 1263.
- Rectifier and detector. G. W. Pierce. No. 879,117; Feb. 11; Sp. p. 2529; Dr. p. 526; Gaz. vol. 132; p. 1280.
- Rectifier-panel. S. Ferguson. No. 896,980; Aug. 25; Sp. p. 4456; Dr. p. 953; Gaz. vol. 135; p. 1684.
- Rectifier system. O. O. Kruh. No. 887,659; May 12; Sp. p. 2693; Dr. p. 569; Gaz. vol. 134; p. 464.
- Rectifier system. O. O. Kruh. No. 895,869; Aug. 11; Sp. p. 2191; Dr. p. 466; Gaz. vol. 135; p. 1277.
- Rectifier system. O. O. Kruh. No. 897,544; Sept. 1; Sp. p. 626; Dr. p. 129; Gaz. vol. 136; p. 98.
- Rectifiers and rotary converters, Automatic regulation of. F. B. Crocker. No. 891,797; June 23; Sp. p. 5310; Dr. pp. 1149-50; Gaz. vol. 134; p. 2001.
- Recuperative furnace. N. L. Heinz. No. 898,410; Sept. 8; Sp. p. 2347; Dr. p. 499; Gaz. vol. 136; p. 408.
- Reducing-machine attachment. B. M. W. Hanson and F. O. Hoagland. No. 905,522; Dec. 1; Sp. p. 837; Gaz. vol. 137; p. 1117.
- Reduction-furnace. C. Van Brunt. No. 903,922; Nov. 17; Sp. p. 2826; Gaz. vol. 137; p. 517.

Alphabetical list of inventions—Continued.

- Reduction-mill. H. B. Hebert. No. 879,262; Feb. 18; Sp. p. 2805; Dr. p. 588; Gaz. vol. 132; p. 1370.
 Reducing-tank. R. S. Redfield. No. 877,371; Jan. 21; Sp. p. 3458; Dr. p. 751; Gaz. vol. 132; p. 630.
 Reeding-machine. O. Schuler and R. Glaser. No. 907,898; Dec. 29; Sp. p. 5501; Gaz. vol. 137; p. 2008.
 Reel. See Bait-casting reel; Cable-reel; Cable tension-reel; Clothes-drying reel; Display-reel; Fence-reel; Fishing-reel; Fishing-line-drying reel; Harvester-reel; Hose-reel; Paper-making-machine reel; Rod-mill reel; Tape-reel; Winding-machine reel; Wire-reel.
 Reel. C. A. Brinley. No. 877,397; Jan. 21; Sp. p. 3506; Dr. p. 760; Gaz. vol. 132; p. 639.
 Reel. O. E. McMahon. No. 875,570; Feb. 18; Sp. p. 3445; Dr. p. 721; Gaz. vol. 132; p. 1470.
 Reel. O. L. Owen. No. 899,676; Sept. 29; Sp. p. 4819; Dr. p. 1032; Gaz. vol. 136; p. 913.
 Reel and drum. S. C. Sampson. No. 904,365; Nov. 17; Sp. p. 3750; Gaz. vol. 137; p. 667.
 Reel-clamp. C. B. Kuhl. No. 876,648; Jan. 14; Sp. p. 1994; Dr. p. 434; Gaz. vol. 132; p. 354.
 Reel-crank. J. J. Newlands. No. 885,638; Apr. 21; Sp. p. 4032; Dr. p. 843; Gaz. vol. 133; p. 1890.
 Reel for ruching, veiling, and like fabrics. W. R. Delaney. No. 889,512; June 2; Sp. p. 644; Dr. p. 150; Gaz. vol. 134; p. 1160.
 Reel for ruchings, &c. L. Sonn. No. 882,431; Mar. 17; Sp. p. 3850; Dr. p. 822; Gaz. vol. 133; p. 696.
 Reel for sectional skeining. E. Barton. No. 893,896; July 21; Sp. p. 3162; Dr. p. 651; Gaz. vol. 135; p. 556.
 Reel-holder. J. P. Weaver. No. 885,115; Apr. 21; Sp. p. 2974; Dr. p. 628; Gaz. vol. 133; p. 1723.
 Reel-holder. S. Olop. No. 887,689; May 12; Sp. p. 2740; Dr. p. 579; Gaz. vol. 134; p. 473.
 Reeling-machine. H. High. No. 907,801; Dec. 29; Sp. p. 5306; Gaz. vol. 137; p. 1978.
 Reflector. G. H. Herrnecker. No. 897,464; Sept. 1; Sp. p. 463; Dr. p. 99; Gaz. vol. 136; p. 73.
 Reflector. J. Benjamin. No. 906,096; Dec. 8; Sp. p. 1932; Gaz. vol. 137; p. 1330.
 Reflector and diffuser, Combination light. H. D. McFaddin. No. 885,856; Apr. 28; Sp. p. 4503; Dr. p. 946; Gaz. vol. 133; p. 1992.
 Reflector for search-lights. J. A. Rey. No. 892,087; June 30; Sp. p. 5884; Dr. p. 1267; Gaz. vol. 134; p. 2124.
 Reflector. Heat. B. C. Oblinger. No. 876,909; Jan. 14; Sp. p. 2477; Dr. p. 541; Gaz. vol. 132; p. 437.
 Reflector. Search-light. M. von Rohr. No. 903,321; Nov. 10; Sp. p. 1561; Gaz. vol. 137; p. 288.
 Refractory articles, Making. C. F. Burgess. No. 884,463; Apr. 14; Sp. p. 1605; Dr. p. 346; Gaz. vol. 133; p. 1479.
 Refrigerating apparatus. P. M. Bush. No. 879,243; Feb. 18; Sp. p. 2766; Dr. pp. 579-80; Gaz. vol. 132; p. 1363.
 Refrigerating apparatus. L. Levy. No. 889,627; June 2; Sp. p. 857; Dr. pp. 195-6; Gaz. vol. 134; p. 1197.
 Refrigerating apparatus. A. R. Sprague. No. 890,809; June 16; Sp. p. 3296; Dr. p. 722; Gaz. vol. 134; p. 1644.
 Refrigerating apparatus. H. Rassbach. No. 894,285; July 28; Sp. p. 4001; Dr. p. 826; Gaz. vol. 135; p. 706.
 Refrigerating apparatus. J. Scheideinan. No. 902,256; Oct. 27; Sp. p. 4563; Dr. p. 926; Gaz. vol. 136; p. 1877.
 Refrigerating apparatus. J. D. Mayhew. No. 906,906; Dec. 15; Sp. p. 3460; Gaz. vol. 137; p. 1617.
 Refrigerating apparatus employing carbonic acid. F. E. Müller. No. 891,560; June 23; Sp. p. 4817; Dr. p. 1040; Gaz. vol. 134; p. 1900.
 Refrigerating-machines, Expansion-regulator for. O. E. Levilly. No. 879,393; Feb. 18; Sp. p. 3068; Dr. p. 638; Gaz. vol. 132; p. 1412.
 Refrigerating-machines, Expansion-regulator for. O. E. Levilly. No. 893,176; July 14; Sp. p. 1596; Dr. p. 339; Gaz. vol. 135; p. 290.
 Refrigerating-machine, Rotary. M. Audiffren and H. A. Singrin. No. 898,400; Sept. 8; Sp. p. 2327; Dr. p. 494; Gaz. vol. 136; p. 405.
 Refrigerating plants, Regulating device for. O. Levilly. No. 905,332; Dec. 1; Sp. p. 397; Gaz. vol. 137; p. 1052.
 Refrigerating system. H. Torrance, Jr. No. 895,700; Aug. 11; Sp. p. 1842; Dr. p. 392; Gaz. vol. 135; p. 1223.
 Refrigeration apparatus. A. R. Sprague. No. 881,733; Mar. 10; Sp. p. 2468; Dr. p. 531; Gaz. vol. 133; p. 440.
 Refrigeration apparatus. A. R. Sprague. No. 881,832; Mar. 10; Sp. p. 2658; Dr. p. 569; Gaz. vol. 133; p. 473.
 Refrigerator. G. Frank. No. 877,496; Jan. 28; Sp. p. 3714; Dr. p. 804; Gaz. vol. 132; p. 692.
 Refrigerator. G. Pabst, Jr., and H. C. Savage. No. 879,579; Feb. 18; Sp. p. 3476; Dr. p. 729; Gaz. vol. 132; p. 1473.
 Refrigerator. F. V. Derwiler. No. 880,443; Feb. 25; Sp. p. 5264; Dr. pp. 1107-8; Gaz. vol. 132; p. 1791.
 Refrigerator. C. E. Edgar. No. 880,867; Mar. 3; Sp. p. 786; Dr. pp. 166-7; Gaz. vol. 133; p. 131.
 Refrigerator. L. Hall. No. 882,824; Mar. 24; Sp. p. 4633; Dr. p. 988; Gaz. vol. 133; p. 858.
 Refrigerator. T. A. Mayer. No. 884,029; Apr. 7; Sp. p. 731; Dr. p. 147; Gaz. vol. 133; p. 1309.
 Refrigerator. J. C. Tyler. No. 884,242; Apr. 7; Sp. p. 1182; Dr. p. 249; Gaz. vol. 133; p. 1378.
 Refrigerator. L. A. Banta. No. 885,660; Apr. 21; Sp. p. 4088; Dr. p. 855; Gaz. vol. 133; p. 1897.
 Refrigerator. L. McReynolds. No. 890,868; June 16; Sp. p. 3400; Dr. p. 745; Gaz. vol. 134; p. 1662.
 Refrigerator. C. H. Boeck. No. 891,659; June 23; Sp. p. 5045; Dr. pp. 1087-8; Gaz. vol. 134; p. 1953.
 Refrigerator. G. F. Schrader. No. 897,227; Aug. 25; Sp. p. 4955; Dr. p. 1052; Gaz. vol. 135; p. 1764.
 Refrigerator. J. O. La Madeleine. No. 898,231; Sept. 8; Sp. p. 2038; Dr. p. 432; Gaz. vol. 136; p. 351.
 Refrigerator. C. Tottenborn. No. 905,118; Nov. 24; Sp. p. 5315; Gaz. vol. 137; p. 946.
 Refrigerator. M. P. Shea. No. 906,313; Dec. 8; Sp. p. 2352; Gaz. vol. 137; p. 1404.
 Refrigerator and heater, Combined. J. A. Seeger. No. 891,294; June 23; Sp. p. 4264; Dr. p. 933; Gaz. vol. 134; p. 1833.
 Refrigerator-car. M. Cooper. No. 881,902; Mar. 17; Sp. p. 2835; Dr. p. 605; Gaz. vol. 133; p. 525.
 Refrigerator-car. E. Posson. No. 892,447; July 7; Sp. p. 114; Dr. p. 25; Gaz. vol. 135; p. 23.
 Refrigerator-car. C. A. Moore. No. 896,313; Aug. 18; Sp. p. 3047; Dr. pp. 655-6; Gaz. vol. 135; p. 1442.
 Refrigerator-car. J. D. Stewart. No. 897,424; Sept. 1; Sp. p. 382; Dr. p. 80; Gaz. vol. 136; p. 59.
 Refrigerator-catch. C. W. Clark. No. 892,979; July 14; Sp. p. 1194; Dr. p. 252; Gaz. vol. 135; p. 227.
 Refrigerator drip-pans, Automatic alarm for. H. Leonard. No. 884,828; Apr. 14; Sp. p. 2379; Dr. p. 501; Gaz. vol. 133; p. 1600.
 Refrigerator-fastening means. V. A. De Canio. No. 903,685; Nov. 10; Sp. p. 2312; Gaz. vol. 137; p. 406.
 Refrigerator-guard. J. F. Davis. No. 875,785; Jan. 7; Sp. p. 209; Dr. p. 45; Gaz. vol. 132; p. 39.
 Refrigerator, Iceless. C. M. Lipham. No. 900,400; Oct. 6; Sp. p. 691; Dr. p. 142; Gaz. vol. 136; p. 1181.
 Refrigerator-lining. A. J. Nutter. No. 907,276; Dec. 22; Sp. p. 4205; Gaz. vol. 137; p. 1773.
 Refrigerator overflow-tanks, Alarm device for. E. T. Dumas. No. 886,776; May 5; Sp. p. 907; Dr. p. 188; Gaz. vol. 134; p. 149.
 Refrigerator shipping-box for crabs. S. Dryden. No. 889,915; June 9; Sp. p. 1432; Dr. p. 324; Gaz. vol. 134; p. 1315.
 Refrigerator track-door. R. E. Jones. No. 890,772; June 16; Sp. p. 3221; Dr. p. 703; Gaz. vol. 134; p. 1631.
 Refuse-destructors and other furnaces, Means for charging. H. N. Leask. No. 903,993; Nov. 17; Sp. p. 2957; Gaz. vol. 137; p. 540.
 Regenerative furnace. N. L. Hein. No. 887,194; May 12; Sp. p. 1679; Dr. pp. 356-7; Gaz. vol. 134; p. 308.
 Regenerators, Construction of. A. Hermans. No. 891,991; June 30; Sp. p. 5722; Dr. p. 1231; Gaz. vol. 134; p. 2095.
 Register. See Account-register; Autographic register; Call-register; Card-passenger-register; Cash-register; Check-register; Coin-register; Counting-register; Egg-register; Electrical register; Fare-register; Game-register; Grinding-mill register; Hot-air register; Packing-register; Singe-register; Stock and sales register; Switch-register; Telephone call-register; Time-register; Time-recording register; Wall-register.
 Register. N. D. Nelson. No. 883,076; Mar. 17; Sp. p. 3203; Dr. p. 681; Gaz. vol. 133; p. 582.
 Register. H. W. Sayles. No. 888,752; May 16; Sp. p. 4866; Dr. p. 1037; Gaz. vol. 134; p. 882.
 Register. J. O. Morris. No. 895,879; Aug. 11; Sp. p. 2209; Dr. pp. 471-2; Gaz. vol. 135; p. 1281.
 Register. O. S. Sturtevant. No. 902,022; Oct. 27; Sp. p. 4102; Dr. p. 831; Gaz. vol. 136; p. 1804.
 Register and device associated therewith. E. P. Baird. No. 908,375; Dec. 29; Sp. p. 6507; Gaz. vol. 137; p. 2170.
 Register backing and damper, Combined. J. C. Hendrickson. No. 884,088; Apr. 7; Sp. p. 851; Dr. p. 179; Gaz. vol. 133; p. 1328.
 Register-clamp. H. Symonds. No. 887,543; May 12; Sp. p. 2474; Dr. p. 522; Gaz. vol. 134; p. 428.
 Register-gage and gripper, Automatic. J. R. Grove. No. 905,869; Dec. 8; Sp. p. 1500; Gaz. vol. 137; p. 1259.
 Register-hook. W. L. Hamilton. No. 885,994; Apr. 28; Sp. p. 4806; Dr. p. 1009; Gaz. vol. 133; p. 2039.
 Register-hook. A. Kyle. No. 901,110; Oct. 13; Sp. p. 2183; Dr. p. 443; Gaz. vol. 136; p. 1459.
 Register or manifolding machine. J. T. Sullivan. No. 891,387; June 23; Sp. p. 4465; Dr. p. 972; Gaz. vol. 134; p. 1864.
 Register or ventilator. J. H. Bailey. No. 896,966; Aug. 25; Sp. p. 4425; Dr. p. 945; Gaz. vol. 135; p. 1679.
 Registering and counting machine, Automatic. J. M. Johnson. No. 894,506; July 28; Sp. p. 4444; Dr. pp. 920-1; Gaz. vol. 135; p. 778.
 Registering apparatus. N. J. Barrad. No. 877,542; Jan. 28; Sp. p. 3827; Dr. pp. 827-8; Gaz. vol. 132; p. 708.
 Registering apparatus. P. Winsor. No. 889,079; May 26; Sp. p. 5528; Dr. p. 1175; Gaz. vol. 134; p. 989.
 Registering device. R. Hunter. No. 877,430; Jan. 21; Sp. p. 2573; Dr. pp. 772-3; Gaz. vol. 132; p. 650.
 Registering device. A. E. J. Luckhurst. No. 895,096; Aug. 4; Sp. p. 642; Dr. pp. 133-4; Gaz. vol. 135; p. 1001.
 Registering device. F. De Paris. No. 897,725; Sept. 1; Sp. p. 979; Dr. pp. 208-9; Gaz. vol. 136; p. 157.
 Registering device, Automatic. R. Tanner. No. 878,835; Feb. 11; Sp. p. 1974; Dr. pp. 409-10; Gaz. vol. 132; p. 1192.
 Registering mechanism. J. Schinneller. No. 877,668; Jan. 28; Sp. p. 4067; Dr. pp. 831-2; Gaz. vol. 132; p. 749.
 Registering mechanism. F. P. Stevens. No. 888,667; May 26; Sp. p. 4710; Dr. p. 1002; Gaz. vol. 134; p. 856.
 Registering mechanism. E. M. Phillippe. No. 904,084; Nov. 17; Sp. p. 3145; Gaz. vol. 137; p. 571.
 Registration certificates for registered letters and postal packets, Machine for issuing. K. von Dreger. No. 908,218; Dec. 29; Sp. p. 6193; Gaz. vol. 137; p. 2116.
 Regulating apparatus. D. H. Haywood. No. 905,425; Dec. 1; Sp. p. 630; Gaz. vol. 137; p. 1085.
 Regulating apparatus. D. H. Haywood. No. 905,426; Dec. 1; Sp. p. 637; Gaz. vol. 137; p. 1085.
 Regulating device, Automatic. P. H. Thomas. No. 877,258; Jan. 21; Sp. p. 3246; Dr. p. 703; Gaz. vol. 132; p. 596.
 Regulation system. J. Bijur. No. 898,030; Sept. 8; Sp. p. 1640; Dr. pp. 349-50; Gaz. vol. 136; p. 288.

Alphabetical list of inventions—Continued.

- Regulator: See Automatic draft-regulator; Boiler draft-regulator; Compressor-regulator; Controller-regulator; Corn-sheller feed-regulator; Current-regulator; Damper-regulator; Damper and temperature regulator; Door-movement regulator; Draft-regulator; Dynamo speed-regulator; Electric regulator; Electric-machine regulator; Electric-tension regulator; Engine speed-regulator; Exhaust-regulator; Feed-regulator; Feed-water regulator; Feeder-regulator; Fluid-fuel regulator; Fluid-pressure regulator; Furnace-regulator; Furnace draft-regulator; Gas-regulator; Gas-pressure regulator; Heat-regulator; Heat and pressure regulator; Immersion-regulator; Incubator-regulator; Meter-regulator; Motor-controller regulator; Motor speed-regulator; Photographer's light-regulator; Piano-touch regulator; Potential-regulator; Pressure-regulator; Pump-regulator; Receiver and damper regulator; Sound-regulator; Speed-regulator; Temperature-regulator; Timepiece-regulator; Transformer-regulator; Watch-regulator; Wheel-regulator; Windmill-regulator.
- Regulator. J. M. Blackburn. No. 879,029, Feb. 11; Sp. p. 2333; Dr. p. 488; Gaz. vol. 132; p. 1252.
- Regulator. O. Saugstad. No. 896,587; Aug. 18; Sp. p. 3599; Dr. p. 773; Gaz. vol. 135; p. 1532.
- Regulator. O. Saugstad. No. 896,588; Aug. 18; Sp. p. 3600; Dr. p. 773; Gaz. vol. 135; p. 1532.
- Regulators, Cleaning feed-water. T. Keenan. No. 907,606; Dec. 22; Sp. p. 4875; Gaz. vol. 137; p. 1883.
- Rein-catching device. N. T. Fogg. No. 903,282; Nov. 10; Sp. p. 1499; Gaz. vol. 137; p. 276.
- Rein-coupling. T. Forstner. No. 876,341; Jan. 14; Sp. p. 1302; Dr. p. 281; Gaz. vol. 132; p. 247.
- Rein-guard. G. W. Born. No. 876,139; Jan. 7; Sp. p. 889; Dr. p. 191; Gaz. vol. 132; p. 151.
- Rein-guide. P. Schallow. No. 877,128; Jan. 21; Sp. p. 2979; Dr. p. 643; Gaz. vol. 132; p. 551.
- Rein-holder. E. R. Fuller. No. 894,379; July 28; Sp. p. 4191; Dr. p. 864; Gaz. vol. 135; p. 737.
- Rein-holder. H. Ogan. No. 904,217; Nov. 17; Sp. p. 3438; Gaz. vol. 137; p. 618.
- Rein holder and tightener for vehicles. J. Altmeyer. No. 889,742; June 2; Sp. p. 1083; Dr. p. 251; Gaz. vol. 134; p. 1233.
- Rein-holder support. T. V. Wallace. No. 897,178; Aug. 25; Sp. p. 4839; Dr. p. 1029; Gaz. vol. 135; p. 1748.
- Rein-protector. L. G. Schlenk. No. 881,201; Mar. 10; Sp. p. 1403; Dr. p. 303; Gaz. vol. 133; p. 269.
- Rein-support. T. C. Thompson. No. 888,532; May 26; Sp. p. 4457; Dr. p. 944; Gaz. vol. 134; p. 817.
- Reinforcing-bar. E. L. Adreon, Jr. No. 881,762; Mar. 10; Sp. p. 2518; Dr. p. 542; Gaz. vol. 133; p. 449.
- Reinforcing-bar. J. N. Loveley. No. 889,249; June 2; Sp. p. 109; Dr. p. 26; Gaz. vol. 134; p. 1076.
- Reinforcing-bar. G. N. Wilson. No. 890,545; June 9; Sp. p. 2704; Dr. p. 596; Gaz. vol. 134; p. 1522.
- Reinforcing-bar. A. C. R. Janni. No. 900,379; Oct. 6; Sp. p. 649; Dr. p. 133; Gaz. vol. 136; p. 1174.
- Reinforcing-bar for cementitious bodies. E. F. Crane. No. 891,234; June 23; Sp. p. 4151; Dr. p. 909; Gaz. vol. 134; p. 1813.
- Reinforcing-frame. H. E. White. No. 896,963; Aug. 25; Sp. p. 4419; Dr. p. 944; Gaz. vol. 135; p. 1678.
- Reinforcing-frame and cementitious construction. A. P. White. No. 883,768; Apr. 7; Sp. p. 173; Dr. p. 31; Gaz. vol. 133; p. 1221.
- Relay. A. S. Cubitt. No. 885,688; Apr. 21; Sp. p. 4143; Dr. p. 867; Gaz. vol. 133; p. 1907.
- Relay. F. L. Dodgson. No. 896,808; Aug. 25; Sp. p. 4064; Dr. p. 874; Gaz. vol. 135; p. 1627.
- Relay. F. L. Dodgson. No. 896,809; Aug. 25; Sp. p. 4065; Dr. pp. 874-5; Gaz. vol. 135; p. 1627.
- Relay. I. Kitzsee. No. 900,743; Oct. 13; Sp. p. 1435; Dr. p. 292; Gaz. vol. 136; p. 1320.
- Relay-controller, Multiple-series. C. T. Henderson. No. 890,979; June 16; Sp. p. 3657; Dr. p. 797; Gaz. vol. 134; p. 1699.
- Relay, Electric. E. Weston. No. 881,642; Mar. 10; Sp. p. 2297; Dr. p. 497; Gaz. vol. 133; p. 413.
- Relay for signaling apparatus. L. H. Thullen. No. 886,740; May 5; Sp. p. 830; Dr. pp. 171-2; Gaz. vol. 134; p. 138.
- Relay, Interlocking. E. McClintock. No. 879,885; Feb. 25; Sp. p. 4122; Dr. p. 865; Gaz. vol. 132; p. 1605.
- Relay, Interlocking. T. L. Lee. No. 885,061; Apr. 21; Sp. p. 2849; Dr. p. 606; Gaz. vol. 133; p. 1705.
- Relay, Inverse time-limit. P. Bendmann. No. 897,812; Sept. 1; Sp. p. 1160; Dr. p. 247; Gaz. vol. 136; p. 184.
- Relay, Polarized. C. H. Thordarson. No. 876,413; Jan. 14; Sp. p. 1455; Dr. p. 313; Gaz. vol. 132; p. 270.
- Relay, Self-restoring drop-. F. M. Slough. No. 900,435; Oct. 6; Sp. p. 766; Dr. p. 158; Gaz. vol. 136; p. 1193.
- Release-starter, Automatic electrical. A. J. Burns. No. 876,326; Jan. 14; Sp. p. 1264; Dr. pp. 274-5; Gaz. vol. 132; p. 242.
- Releasing device, Electrically-controlled. R. P. Barnes. No. 876,036; Jan. 7; Sp. p. 677; Dr. p. 145; Gaz. vol. 132; p. 117.
- Releasing device, Electrically-controlled. C. J. Kintner. No. 876,274; Jan. 7; Sp. p. 1150; Dr. p. 250; Gaz. vol. 132; p. 193.
- Releasing-hook. O. C. Porter. No. 905,576; Dec. 1; Sp. p. 940; Gaz. vol. 137; p. 1133.
- Reliefograph carriage-operating mechanism. R. Grieser. No. 883,401; Mar. 31; Sp. p. 5828; Dr. p. 1242; Gaz. vol. 133; p. 1077.
- Reliefograph feeding mechanism. R. Grieser. No. 883,399; Mar. 31; Sp. p. 5821; Dr. pp. 1241-2; Gaz. vol. 133; p. 1076.
- Remedy for coughs of horses. J. Colter. No. 900,484; Oct. 6; Sp. p. 875; Gaz. vol. 136; p. 1209.
- Remedy for poison-oak rash. A. Terlich. No. 906,084; Dec. 8; Sp. p. 1904; Gaz. vol. 137; p. 1326.
- Removable seat. C. Lederman. No. 893,930; July 21; Sp. p. 3227; Dr. p. 665; Gaz. vol. 135; p. 568.
- Rendering and drying plant. J. Goopfinger and H. Wagner. No. 896,720; Aug. 25; Sp. p. 3559; Dr. pp. 834-5; Gaz. vol. 135; p. 1595.
- Renovator. J. H. Green. No. 889,121; May 26; Sp. p. 5643; Dr. p. 1195; Gaz. vol. 134; p. 1002.
- Renovators, Sight-glass and separator for pneumatic. W. F. Moughler. No. 881,195; Mar. 10; Sp. p. 1396; Dr. p. 301; Gaz. vol. 133; p. 267.
- Repair-tool. G. B. McBean and C. W. Birchwood. No. 884,751; Apr. 14; Sp. p. 2226; Dr. p. 470; Gaz. vol. 133; p. 1575.
- Reproducer. C. L. Chisholm. No. 881,547; Mar. 10; Sp. p. 2093; Dr. p. 458; Gaz. vol. 133; p. 381.
- Reproducing objects. J. H. Smith. No. 891,013; June 16; Sp. p. 3718; Gaz. vol. 134; p. 1710.
- Reservoir. T. J. Jackson. No. 882,761; Mar. 24; Sp. p. 4512; Dr. p. 962; Gaz. vol. 133; p. 838.
- Resilient arm. E. J. Ryerson and E. J. Schretter. No. 884,105; Apr. 7; Sp. p. 883; Dr. p. 186; Gaz. vol. 133; p. 1333.
- Resilient wheel. R. K. Gregory. No. 893,322; July 14; Sp. p. 1880; Dr. p. 394; Gaz. vol. 135; p. 338.
- Resilient wheel. J. C. Turnage. No. 893,677; July 21; Sp. p. 2638; Dr. p. 553; Gaz. vol. 135; p. 484.
- Resilient wheel. S. S. Childs. No. 896,362; Aug. 18; Sp. p. 3150; Dr. p. 677; Gaz. vol. 135; p. 1457.
- Resilient wheel. J. E. McQuilkin. No. 899,425; Sept. 22; Sp. p. 4293; Dr. p. 921; Gaz. vol. 136; p. 796.
- Resilient wheel. W. F. and W. E. Smith. No. 907,904; Dec. 29; Sp. p. 5513; Gaz. vol. 137; p. 2010.
- Resinous product and making same. R. Bohn. No. 898,307; Sept. 8; Sp. p. 2164; Gaz. vol. 136; p. 374.
- Resinous products capable of replacing natural resins, Manufacture of. L. Grognot. No. 906,219; Dec. 8; Sp. p. 2172; Gaz. vol. 137; p. 1371.
- Resistance-adjusting device. H. P. MacLagan. No. 907,831; Dec. 29; Sp. p. 5358; Gaz. vol. 137; p. 1988.
- Resistance coil, Variable-. H. A. Wallace. No. 890,737; June 16; Sp. p. 3151; Dr. p. 690; Gaz. vol. 134; p. 1619.
- Resistance, Molded. L. E. Barringer. No. 902,048; Oct. 27; Sp. p. 4151; Gaz. vol. 136; p. 1812.
- Resistance unit. L. E. Barringer. No. 882,990; Mar. 24; Sp. p. 4969; Dr. p. 1057; Gaz. vol. 133; p. 913.
- Resistance unit. J. L. R. Hayden. No. 895,857; Aug. 11; Sp. p. 2171; Dr. p. 461; Gaz. vol. 135; p. 1274.
- Resonance curves, Apparatus for plotting. O. Scheller. No. 892,311; June 30; Sp. p. 6324; Dr. p. 1362; Gaz. vol. 134; p. 2200.
- Respiration apparatus. P. Lord. No. 899,225; Sept. 22; Sp. p. 3914; Dr. p. 836; Gaz. vol. 136; p. 732.
- Respirator. W. T. Whiteway. No. 893,213; July 14; Sp. p. 1670; Dr. p. 353; Gaz. vol. 135; p. 302.
- Respirator, Mechanical. A. N. Habberley. No. 896,824; Aug. 25; Sp. p. 4094; Dr. pp. 880-1; Gaz. vol. 135; p. 1631.
- Respirometer. A. G. Warde. No. 895,606; Aug. 11; Sp. p. 1660; Dr. p. 350; Gaz. vol. 135; p. 1193.
- Retaining-clip. E. Fleming. No. 905,862; Dec. 8; Sp. p. 1488; Gaz. vol. 137; p. 1257.
- Retaining-comb. I. O. Lofstrom. No. 894,674; July 28; Sp. p. 4785; Dr. p. 993; Gaz. vol. 135; p. 834.
- Retinoscope, ophthalmoscope, and the like. C. C. Inskeep, E. and C. S. Gowlland. No. 886,512; May 5; Sp. p. 337; Dr. p. 69; Gaz. vol. 134; p. 62.
- Retort. C. F. McKenna. No. 890,788; June 16; Sp. p. 3253; Dr. p. 711; Gaz. vol. 134; p. 1637.
- Retort and shaker, Combined. J. S. Guibbini. No. 881,120; Mar. 10; Sp. p. 1252; Dr. p. 270; Gaz. vol. 133; p. 242.
- Retort-charging apparatus. H. Crocker. No. 894,119; July 21; Sp. p. 3623; Dr. pp. 746-7; Gaz. vol. 135; p. 631.
- Retort-drawing machines, Mechanism for operating the rake and rake-carriage of. H. E. Carpenter. No. 880,439; Feb. 25; Sp. p. 5257; Dr. p. 1106; Gaz. vol. 132; p. 1790.
- Retort, &c., feeding device for. M. Bittrich. No. 906,187; Dec. 8; Sp. p. 2106; Gaz. vol. 137; p. 1361.
- Retort-furnace, Regenerative. R. Ziesing. No. 876,891; Jan. 14; Sp. p. 2444; Dr. p. 532; Gaz. vol. 132; p. 431.
- Retort-furnace, Regenerative. O. H. Eluel. No. 885,740; Apr. 28; Sp. p. 4267; Dr. p. 893; Gaz. vol. 133; p. 1954.
- Retorts, Extracting apparatus for horizontal. C. Eitle. No. 882,304; Mar. 17; Sp. p. 3634; Dr. pp. 770-1; Gaz. vol. 133; p. 655.
- Return-ball. J. P. Newbold. No. 890,920; June 16; Sp. p. 3507; Dr. p. 768; Gaz. vol. 134; p. 1678.
- Return-flue boiler. W. Moran. No. 899,388; June 2; Sp. p. 401; Dr. pp. 94-5; Gaz. vol. 134; p. 1121.
- Reverberatory furnace. F. Cotton. No. 881,110; Mar. 10; Sp. p. 1231; Dr. p. 265; Gaz. vol. 133; p. 239.
- Reverberatory furnace, Oil-burning. G. Fraser. No. 886,050; Apr. 28; Sp. p. 4923; Dr. p. 1035; Gaz. vol. 133; p. 2056.
- Reversing mechanism. M. W. Kouns. No. 879,182; Feb. 18; Sp. p. 2657; Dr. p. 554; Gaz. vol. 132; p. 1344.
- Reversing mechanism. G. Stittmann. No. 885,390; Apr. 21; Sp. p. 3558; Dr. p. 745; Gaz. vol. 133; p. 1815.
- Reversing mechanism. A. Russell and J. D. Dinsmoor. No. 898,268; Sept. 8; Sp. p. 2089; Dr. p. 444; Gaz. vol. 136; p. 362.
- Reversing mechanism. A. P. Crell. No. 900,832; Oct. 13; Sp. p. 1629; Dr. p. 329; Gaz. vol. 136; p. 1351.
- Reversing mechanism. T. H. and J. E. Holgan. No. 901,172; Oct. 13; Sp. p. 2287; Dr. p. 466; Gaz. vol. 136; p. 1459.
- Reversing mechanism. J. F. McMahon. No. 903,222; Nov. 10; Sp. p. 1381; Gaz. vol. 137; p. 256.
- Reversing mechanism. H. P. Yost. No. 907,549; Dec. 22; Sp. p. 4731; Gaz. vol. 137; p. 1864.
- Reversing-switch. A. C. Eastwood. No. 875,900; Jan. 7; Sp. p. 421; Dr. p. 93; Gaz. vol. 132; p. 77.
- Reversing timer and distributor. J. O. Heinze, Jr. No. 889,305; June 2; Sp. p. 219; Dr. p. 55; Gaz. vol. 134; p. 1093.

Alphabetical list of inventions—Continued.

- Revolution-indicators, Automatic contact mechanism for electric. F. W. Wood. No. 828,621; Sept. 15; Sp. p. 2780; Dr. p. 594; Gaz. vol. 136; p. 509.
- Revolver. C. C. Call. No. 881,374; Mar. 10; Sp. p. 1773; Dr. p. 382; Gaz. vol. 133; p. 326.
- Revolver. W. G. Zaiser. No. 884,119; Apr. 7; Sp. p. 943; Dr. pp. 197-8; Gaz. vol. 133; p. 1339.
- Revolver. T. F. Bowker. No. 898,717; Sept. 15; Sp. p. 2964; Dr. p. 635; Gaz. vol. 136; p. 540.
- Revolver. C. H. Mann. No. 907,069; Dec. 15; Sp. p. 3752; Gaz. vol. 137; p. 1668.
- Revolver-holster. F. H. Audley. No. 881,044; Mar. 3; Sp. p. 1101; Dr. p. 238; Gaz. vol. 133; p. 188.
- Revolver-holster. A. H. Hudson. No. 902,083; Oct. 27; Sp. p. 4212; Dr. p. 853; Gaz. vol. 136; p. 1823.
- Revolver, Magazine-. A. Moeller. No. 879,295; Feb. 18; Sp. p. 2883; Dr. p. 601; Gaz. vol. 132; p. 1381.
- Revolvers and other pistols, Barrel-grip for. G. C. Bourne. No. 897,577; Sept. 1; Sp. p. 693; Dr. p. 145; Gaz. vol. 136; p. 103.
- Revolvers, Barrel-catch for. E. L. Durham. No. 893,465; July 14; Sp. p. 2184; Dr. p. 459; Gaz. vol. 135; p. 385.
- Revolvers, pistols, or the like, Safety-lock for. J. Tambour. No. 905,020; Nov. 24; Sp. p. 5129; Gaz. vol. 137; p. 913.
- Revolving chair. H. W. Bolens. No. 899,504; Sept. 29; Sp. p. 4454; Dr. p. 956; Gaz. vol. 136; p. 858.
- Revolving wrench. H. W. Weiss. No. 896,602; Aug. 13; Sp. p. 3622; Dr. p. 778; Gaz. vol. 135; p. 1537.
- Rheostat. C. D. Knight. No. 882,569; Mar. 24; Sp. p. 4130; Dr. p. 876; Gaz. vol. 133; p. 774.
- Rheostat. G. F. Packard. No. 885,782; Apr. 28; Sp. p. 4351; Dr. p. 913; Gaz. vol. 133; p. 1966.
- Rheostat. E. L. Mahon. No. 885,935; Apr. 28; Sp. p. 4672; Dr. p. 984; Gaz. vol. 133; p. 2018.
- Rheostat. J. W. Mertz. No. 886,230; Apr. 28; Sp. p. 5246; Dr. p. 1105; Gaz. vol. 133; p. 2114.
- Rheostat. S. A. Leonard. No. 888,517; May 26; Sp. p. 4379; Dr. pp. 927-8; Gaz. vol. 134; p. 803.
- Rheostat. W. C. Yates. No. 894,564; July 28; Sp. p. 4567; Dr. p. 946; Gaz. vol. 135; p. 798.
- Rheostat. P. H. Zimmer. No. 894,565; July 28; Sp. p. 4569; Dr. p. 947; Gaz. vol. 135; p. 798.
- Rheostat. G. H. Dorgeloh. No. 894,614; July 28; Sp. p. 4665; Dr. p. 969; Gaz. vol. 135; p. 814.
- Rheostat. C. Wirt. No. 895,822; Aug. 11; Sp. p. 2099; Dr. pp. 445-6; Gaz. vol. 135; p. 1262.
- Rheostat. H. Poth. No. 898,987; Sept. 15; Sp. p. 3447; Dr. pp. 739-40; Gaz. vol. 136; p. 627.
- Rheostat. P. H. Zimmer. No. 901,512; Oct. 20; Sp. p. 3040; Dr. p. 621; Gaz. vol. 136; p. 1608.
- Rheostat, Liquid. H. W. Cheney. No. 891,232; June 23; Sp. p. 4147; Dr. p. 908; Gaz. vol. 134; p. 1813.
- Rheostat, Starting-. W. C. Yates and G. W. Cravens. No. 894,563; July 28; Sp. p. 4565; Dr. p. 946; Gaz. vol. 135; p. 797.
- Rheostat, Starting and speed-regulating. F. J. Seabolt. No. 897,497; Sept. 1; Sp. p. 525; Dr. p. 111; Gaz. vol. 136; p. 83.
- Ribbon attachment. H. C. Gammeter. No. 887,472; May 12; Sp. p. 2334; Dr. p. 488; Gaz. vol. 134; p. 402.
- Ribbon bows and the like, Holder and fastening device for. G. E. Tarnow. No. 887,149; May 12; Sp. p. 1602; Dr. p. 340; Gaz. vol. 134; p. 294.
- Ribbon bows or neckties, Fastening device for. G. E. Tarnow. No. 906,575; Dec. 15; Sp. p. 2829; Gaz. vol. 137; p. 1512.
- Ribbon-fastener. A. H. Gardyne. No. 878,719; Feb. 11; Sp. p. 1760; Dr. p. 364; Gaz. vol. 132; p. 1155.
- Ribbon plaster or other matter, Case for holding. K. Wolf. No. 903,650; Nov. 10; Sp. p. 2238; Gaz. vol. 137; p. 396.
- Ribbon-receptacle. E. Anishansli. No. 894,097; July 21; Sp. p. 3580; Dr. p. 737; Gaz. vol. 135; p. 625.
- Ribbon-reversing mechanism. F. A. Hart. No. 896,825; Aug. 25; Sp. p. 4096; Dr. p. 881; Gaz. vol. 135; p. 1632.
- Ribbon-roll clasp or guard. T. H. O'Brien. No. 890,371; June 9; Sp. p. 2383; Dr. pp. 525-6; Gaz. vol. 134; p. 1466.
- Ribbon-shifting mechanism. C. Spiro. No. 896,866; Aug. 25; Sp. p. 4183; Dr. p. 896; Gaz. vol. 135; p. 1646.
- Ribbozine-machine. C. Wiebke. No. 886,024; Apr. 28; Sp. p. 4569; Dr. p. 1024; Gaz. vol. 133; p. 2048.
- Riddle, Circular. S. H. Brand. No. 903,168; Nov. 10; Sp. p. 1256; Gaz. vol. 137; p. 238.
- Rifle-foresight. F. C. Scott. No. 906,943; Dec. 15; Sp. p. 3531; Gaz. vol. 137; p. 1628.
- Rifle, Magazine-. J. J. Catron. No. 882,625; Mar. 24; Sp. p. 4246; Dr. pp. 899-900; Gaz. vol. 133; p. 704.
- Rifle-sight. M. E. Sutherland. No. 888,858; May 26; Sp. p. 5109; Dr. p. 1089; Gaz. vol. 134; p. 917.
- Rifle-sight. E. R. Snedden. No. 894,755; July 28; Sp. p. 4922; Dr. pp. 1024-5; Gaz. vol. 135; p. 859.
- Rifle-sight-lighting means. C. W. Getchell. No. 880,294; Feb. 25; Sp. p. 4967; Dr. p. 1048; Gaz. vol. 132; p. 1742.
- Rifle-sighting apparatus. N. Aloyos and O. Strohbach. No. 882,988; Mar. 24; Sp. p. 4966; Dr. p. 1057; Gaz. vol. 133; p. 913.
- Rifle windage back-sight. R. A. Rogers and F. Cantelo. No. 907,888; Dec. 29; Sp. p. 5483; Gaz. vol. 137; p. 2006.
- Rifles, Magazine for. J. Mues and J. H. Matthews. No. 889,540; June 2; Sp. p. 699; Dr. p. 161; Gaz. vol. 134; p. 1169.
- Rim-compressor. A. Magnett and J. M. Clementson. No. 898,585; Sept. 15; Sp. p. 2708; Dr. p. 579; Gaz. vol. 136; p. 497.
- Rim, Detachable. R. Kronenberg. No. 897,630; Sept. 1; Sp. p. 794; Dr. p. 167; Gaz. vol. 136; p. 126.
- Ring; See Bull-ring; Curtain-ring; Curtain-pole ring; Draft and lap ring; Ear-ring; File-ring; Finger-ring; Flag-ring; Hog-ring; Key-ring; Metallic ring; Nose-ring; Packing-ring; Pipe-coupling clamping-ring; Riston-ring; Spinning-machine traveler-ring; Stove-ring; Yoke-ring.
- Ring. D. F. Adams. No. 882,810; Mar. 24; Sp. p. 4608; Dr. p. 982; Gaz. vol. 133; p. 854.
- Ring-clamp, Jeweler's. M. Greer. No. 902,726; Nov. 3; Sp. p. 390; Gaz. vol. 137; p. 67.
- Ring cutter. J. H. Turcotte. No. 897,563; Sept. 1; Sp. p. 664; Dr. p. 139; Gaz. vol. 136; p. 104.
- Ring-expander. F. O. Anderson. No. 896,428; Aug. 18; Sp. p. 3284; Dr. p. 705; Gaz. vol. 135; p. 1480.
- Ring traveler. E. L. Merrow. No. 879,293; Feb. 18; Sp. p. 2880; Dr. p. 600; Gaz. vol. 132; p. 1380.
- Ring-traveler. A. B. Potter. No. 882,077; Mar. 17; Sp. p. 3205; Dr. p. 681; Gaz. vol. 133; p. 583.
- Ripper and thread-drawer, Safety. E. E. Sulzer. No. 891,573; June 23; Sp. p. 4851; Dr. p. 1045; Gaz. vol. 134; p. 1924.
- River-banks, Means for protecting. R. B. McGregor. No. 880,390; Feb. 25; Sp. p. 5138; Dr. p. 1085; Gaz. vol. 132; p. 1772.
- Rivet. E. B. Stimpson. No. 906,747; Dec. 15; Sp. p. 3161; Gaz. vol. 137; p. 1567.
- Rivet-cutter and punch. C. H. Lau. No. 876,958; Jan. 7; Sp. p. 748; Dr. pp. 138-9; Gaz. vol. 132; p. 128.
- Rivet-extractor. J. Butsch. Sr. No. 878,041; Feb. 4; Sp. p. 306; Dr. p. 64; Gaz. vol. 132; p. 897.
- Rivet-setting machine. J. E. Perrault. No. 879,895; Feb. 25; Sp. p. 4167; Dr. pp. 869-70; Gaz. vol. 132; p. 1609.
- Rivet-setting machine. J. E. Perrault. No. 879,896; Feb. 25; Sp. p. 4170; Dr. pp. 870-1; Gaz. vol. 132; p. 1610.
- Riveter. H. Cordell. No. 890,965; June 16; Sp. p. 3627; Dr. p. 789; Gaz. vol. 134; p. 1694.
- Riveter, Pneumatic. J. Keller. No. 878,805; Feb. 11; Sp. p. 1928; Dr. pp. 398-9; Gaz. vol. 132; p. 1183.
- Riveter, Pneumatic. W. H. Van Sickle. No. 890,108; June 9; Sp. p. 1523; Dr. p. 403; Gaz. vol. 134; p. 1381.
- Riveting, Blind. J. D. Karle. No. 894,210; July 28; Sp. p. 3835; Dr. p. 794; Gaz. vol. 135; p. 681.
- Riveting implement. H. Overman. No. 905,570; Dec. 1; Sp. p. 925; Gaz. vol. 137; p. 1131.
- Riveting-machine. T. S. Bennett. No. 877,982; Feb. 4; Sp. p. 171; Dr. p. 38; Gaz. vol. 132; p. 878.
- Riveting-machine. W. T. Sears. No. 905,109; Nov. 24; Sp. p. 5296; Gaz. vol. 137; p. 943.
- Riveting tool or engine. W. L. Lindsay. No. 878,645; Feb. 11; Sp. p. 1618; Dr. pp. 330-1; Gaz. vol. 132; p. 1131.
- Road and making same. B. N. Beard. No. 888,864; May 26; Sp. p. 5118; Dr. p. 1091; Gaz. vol. 134; p. 918.
- Road-bed. J. L. Dickson. No. 883,178; Mar. 31; Sp. p. 5348; Dr. p. 439; Gaz. vol. 133; p. 1004.
- Road-grader. L. E. Wild. No. 904,106; Nov. 17; Sp. p. 3184; Gaz. vol. 137; p. 578.
- Road grader and scraper. R. D. Moon and G. N. Chamberlain. No. 905,904; Dec. 8; Sp. p. 1571; Gaz. vol. 137; p. 1270.
- Road-machine. S. W. Smith. No. 876,846; Jan. 14; Sp. p. 2343; Dr. p. 514; Gaz. vol. 132; p. 414.
- Road-machine. T. R. McKnight. No. 894,281; July 28; Sp. p. 3995; Dr. pp. 824-5; Gaz. vol. 135; p. 705.
- Road-machine attachment. J. T. Eady. No. 902,139; Oct. 27; Sp. p. 4323; Dr. p. 876; Gaz. vol. 136; p. 1841.
- Road-roller, Gasolene. N. De Wind and F. R. Jones. No. 885,984; Apr. 28; Sp. p. 4780; Dr. pp. 1004-5; Gaz. vol. 133; p. 2035.
- Road-roller scraper. C. F. Henn and D. Farquhar. No. 905,073; Nov. 24; Sp. p. 5210; Gaz. vol. 137; p. 930.
- Road-scraper. J. M. Dobe. No. 908,078; Dec. 29; Sp. p. 5869; Gaz. vol. 137; p. 2068.
- Road-surface, Making a dustless. B. H. Thwait. No. 881,035; Mar. 3; Sp. p. 1085; Dr. p. 236; Gaz. vol. 133; p. 186.
- Road-working machine. W. B. Brothers. No. 886,132; Apr. 28; Sp. p. 5160; Dr. p. 1066; Gaz. vol. 133; p. 2098.
- Roads, pavements, &c., Machine for surfacing. C. M. Ingersoll. No. 905,190; Dec. 1; Sp. p. 133; Gaz. vol. 137; p. 1005.
- Roadway. G. A., A. J. and E. E. Mitchell. No. 876,377; Jan. 14; Sp. p. 1365; Gaz. vol. 132; p. 258.
- Roaster; See Coffee-roaster; Coffee, &c., roaster.
- Roaster. W. G. Swart. No. 879,842; Feb. 18; Sp. p. 4010; Dr. p. 841; Gaz. vol. 132; p. 1559.
- Roaster. J. C. Prims. No. 884,523; Apr. 14; Sp. p. 1729; Dr. p. 371; Gaz. vol. 133; p. 1497.
- Roaster and cooker. A. Day. No. 902,945; Nov. 3; Sp. p. 830; Gaz. vol. 137; p. 137.
- Roaster, Meat-. J. D. Lewis. No. 877,463; Jan. 21; Sp. p. 3632; Dr. pp. 786-7; Gaz. vol. 132; p. 660.
- Roasting and smelting furnace. J. J. Brown, Jr. No. 888,582; May 26; Sp. p. 4519; Dr. p. 958; Gaz. vol. 134; p. 828.
- Roasting apparatus, Meat-. L. Nelson. No. 876,579; Jan. 14; Sp. p. 1830; Dr. p. 400; Gaz. vol. 132; p. 329.
- Roasting-furnace. A. R. Willey. No. 898,024; Sept. 3; Sp. p. 1631; Dr. pp. 347-8; Gaz. vol. 136; p. 280.
- Roasting-furnace. W. A. Rankin. No. 899,561; Sept. 29; Sp. p. 4584; Dr. p. 985; Gaz. vol. 136; p. 878.
- Roasting-furnace. W. A. Rankin. No. 899,562; Sept. 29; Sp. p. 4585; Dr. p. 986; Gaz. vol. 136; p. 878.
- Roasting-furnace. G. F. De Wein. No. 899,591; Sept. 29; Sp. p. 4642; Dr. p. 996; Gaz. vol. 136; p. 888.
- Roasting-furnace, Mechanical. R. von Zelewski. No. 882,730; Mar. 24; Sp. p. 4450; Dr. p. 946; Gaz. vol. 133; p. 828.
- Roasting-kiln. J. Zellweger. No. 878,704; Feb. 11; Sp. p. 1725; Dr. p. 357; Gaz. vol. 132; p. 1150.
- Robe-holder. J. Appleton. No. 902,795; Nov. 3; Sp. p. 506; Gaz. vol. 137; p. 88.
- Rock and ore crusher. W. H. Lloyd. No. 892,861; July 7; Sp. p. 333; Dr. p. 198; Gaz. vol. 135; p. 157.

Alphabetical list of inventions—Continued.

- Rock-breaker, Subaqueous. E. Burhorn. No. 892,645; July 7; Sp. p. 489; Dr. pp. 104-5; Gaz. vol. 135; p. 88.
 Rock-breaker, Subaqueous. C. L. Rowland. No. 907,407; Dec. 22; Sp. p. 4446; Gaz. vol. 137; p. 1817.
 Rock-channeling machine. T. D. Mowlds. No. 880,903; Mar. 3; Sp. p. 852; Dr. pp. 181-2; Gaz. vol. 133; p. 143.
 Rock-cleaving machine. J. Pierson. No. 879,063; Feb. 11; Sp. p. 2394; Dr. p. 501; Gaz. vol. 132; p. 1263.
 Rock-crusher. J. G. Brown. No. 885,717; Apr. 23; Sp. p. 4212; Dr. p. 881; Gaz. vol. 133; p. 1945.
 Rock-crusher. J. R. Fogg. No. 904,946; Nov. 24; Sp. p. 4980; Gaz. vol. 137; p. 888.
 Rock-cutting apparatus. Cutter of. F. Lobnitz. No. 880,227; Feb. 25; Sp. p. 4835; Dr. pp. 1022-3; Gaz. vol. 132; p. 1719.
 Rock-digger. W. L. Combs. No. 883,624; Mar. 31; Sp. p. 6268; Dr. p. 1337; Gaz. vol. 133; p. 1147.
 Rock-drill. R. S. Trott. No. 872,869; Jan. 7; Sp. p. 355; Dr. p. 79; Gaz. vol. 132; p. 66.
 Rock-drill. B. H. Locke. No. 879,971; Feb. 25; Sp. p. 4311; Dr. pp. 901-2; Gaz. vol. 132; p. 1635.
 Rock-drill. H. J. Cook. No. 881,059; Mar. 3; Sp. p. 1127; Dr. pp. 244-5; Gaz. vol. 133; p. 193.
 Rock-drill. G. D. Warren. No. 887,363; May 12; Sp. p. 2093; Dr. pp. 439-40; Gaz. vol. 134; p. 367.
 Rock-drill. J. S. Harlow. No. 888,492; May 26; Sp. p. 4338; Dr. p. 918; Gaz. vol. 134; p. 795.
 Rock-drill. M. Kellow. No. 890,065; June 9; Sp. p. 1746; Dr. p. 387; Gaz. vol. 134; p. 1367.
 Rock-drill. R. H. Anderson. No. 893,596; July 21; Sp. p. 2479; Dr. p. 516; Gaz. vol. 135; p. 457.
 Rock-drill. H. J. C. Keymer. No. 894,213; July 28; Sp. p. 3840; Dr. pp. 795-6; Gaz. vol. 135; p. 682.
 Rock-drill. C. J. Smith. No. 896,475; Aug. 13; Sp. p. 3334; Dr. p. 728; Gaz. vol. 135; p. 1496.
 Rock-drill. R. H. Anderson. No. 897,336; Sept. 1; Sp. p. 172; Dr. p. 36; Gaz. vol. 136; p. 26.
 Rock-drill. J. R. Wilson and F. R. Thackrah. No. 903,936; Nov. 17; Sp. p. 2861; Gaz. vol. 137; p. 522.
 Rock-drill. J. H. Huhn. No. 904,436; Nov. 17; Sp. p. 3888; Gaz. vol. 137; p. 691.
 Rock-drill. Hand. C. F. Paul, Jr. No. 878,152; Feb. 4; Sp. p. 509; Dr. pp. 108-9; Gaz. vol. 132; p. 933.
 Rock-drill, Hydrocarbon. J. V. Rice, Jr. No. 886,407; May 5; Sp. p. 138; Dr. p. 27; Gaz. vol. 134; p. 27.
 Rock-drill, Motive-fluid-operated. C. M. Hampson. No. 907,041; Dec. 15; Sp. p. 3699; Gaz. vol. 137; p. 1659.
 Rock-drill, Percussion. R. H. Anderson. No. 890,012; June 9; Sp. p. 1631; Dr. p. 365; Gaz. vol. 134; p. 1348.
 Rock-drill, Turbine-driven. M. Kellow. No. 888,506; May 26; Sp. p. 4360; Dr. pp. 923-5; Gaz. vol. 134; p. 800.
 Rock-drills, Valve for operating. G. A. Fowler. No. 891,472; June 23; Sp. p. 4630; Dr. pp. 1005-6; Gaz. vol. 134; p. 1892.
 Rock-drills, Water-supplying attachment for. H. Hellman and L. C. Bayles. No. 881,579; Mar. 10; Sp. p. 2160; Dr. p. 471; Gaz. vol. 133; p. 392.
 Rock-drilling device. E. E. Messmore. No. 895,877; Aug. 11; Sp. p. 2207; Dr. p. 470; Gaz. vol. 135; p. 1280.
 Rock-drilling engine, Gas-operated. R. S. Trott. No. 896,777; Aug. 25; Sp. p. 3981; Dr. pp. 856-7; Gaz. vol. 135; p. 1616.
 Rock-drilling machine. H. Hellman and L. C. Bayles. No. 887,801; May 19; Sp. p. 2987; Dr. p. 627; Gaz. vol. 134; p. 541.
 Rock-drilling machine. W. Prellwitz. No. 892,082; June 30; Sp. p. 5876; Dr. p. 1265; Gaz. vol. 134; p. 2123.
 Rock-drilling machine. J. B. Damas and J. Francis. No. 896,518; Aug. 13; Sp. p. 3478; Dr. p. 747; Gaz. vol. 135; p. 1511.
 Rock-drilling machine or engine. H. Hellman and L. C. Bayles. No. 888,497; May 26; Sp. p. 4347; Dr. p. 920; Gaz. vol. 134; p. 797.
 Rock-drilling-machine support. C. F. Paul, Jr. No. 878,153; Feb. 4; Sp. p. 511; Dr. p. 109; Gaz. vol. 132; p. 933.
 Rock-drilling machines, Water-supplying device for. E. M. Weston. No. 899,582; Sept. 29; Sp. p. 4625; Dr. p. 993; Gaz. vol. 136; p. 884.
 Rocks or ores, Mechanism for splitting, breaking, or pulverizing. A. Gerstenhauer. No. 895,850; Aug. 11; Sp. p. 2159; Dr. p. 458; Gaz. vol. 135; p. 1272.
 Rocker and standard chair, Combination. A. L. Haley. No. 902,395; Oct. 27; Sp. p. 4857; Dr. p. 983; Gaz. vol. 136; p. 1924.
 Rocker, Cushioned. W. Dingman. No. 898,340; Sept. 8; Sp. p. 2218; Dr. p. 471; Gaz. vol. 136; p. 384.
 Rocking-chair. A. H. Ordway. No. 887,959; May 19; Sp. p. 3298; Dr. p. 693; Gaz. vol. 134; p. 594.
 Rocking-chair. F. Cowles and H. M. Morrill. No. 892,937; July 7; Sp. p. 1106; Dr. p. 232; Gaz. vol. 135; p. 183.
 Rocking-chair. A. Wanner, Jr. No. 893,289; July 14; Sp. p. 1822; Dr. p. 382; Gaz. vol. 135; p. 328.
 Rocking-chair. J. Suva. No. 901,848; Oct. 20; Sp. p. 3725; Dr. p. 758; Gaz. vol. 136; p. 1716.
 Rocking-chair, Folding. G. W. Stombaugh. No. 890,192; June 9; Sp. p. 2004; Dr. pp. 441-2; Gaz. vol. 134; p. 1410.
 Rocking-chair, Nursery. A. D. Simmonds. No. 900,783; Oct. 13; Sp. p. 1530; Dr. p. 311; Gaz. vol. 136; p. 1335.
 Rocking-chair, Rotary. G. G. Frey. No. 901,090; Oct. 13; Sp. p. 2140; Dr. p. 436; Gaz. vol. 136; p. 1433.
 Rocking-chair, Self-fanning. W. H. Gartz. No. 905,686; Dec. 1; Sp. p. 1134; Gaz. vol. 137; p. 1167.
 Rocking-horse, Traveling. S. Spain. No. 893,108; July 14; Sp. p. 1459; Dr. p. 308; Gaz. vol. 135; p. 268.
 Rocking-horse, Traveling. F. R. Calkins and R. O. Hammond. No. 903,448; Nov. 10; Sp. p. 1814; Gaz. vol. 137; p. 330.
 Rod. See Car-brake rod; Casting-rod; Conduit-rod; Connecting-rod; Curtain-rod; Fishing-rod; Furnace horizontally-moving leveling-rod; Gun-cleaning rod; Lease-rod; Leveling-rod; Lightning-rod; Measuring-rod; Packing-rod; Portiere-rod; Stair-rod; Switch-operating rod; Tie-rod.
 Rod coupling, Drill-. W. Minard. No. 904,210; Nov. 17; Sp. p. 3423; Gaz. vol. 137; p. 616.
 Rod-mill reel. C. W. Carlson and J. P. Nystrom. No. 895,959; Aug. 11; Sp. p. 2364; Dr. p. 507; Gaz. vol. 135; p. 1306.
 Rod or wire working machines, Tubular stock-spindle for automatic. H. B. Lester. No. 894,387; July 28; Sp. p. 4207; Dr. p. 868; Gaz. vol. 135; p. 740.
 Rod-straightening mechanism. R. Milne. No. 903,999; Nov. 17; Sp. p. 2966; Gaz. vol. 137; p. 542.
 Rods and plungers, Gland for. G. H. Robinson. No. 887,128; May 12; Sp. p. 1569; Dr. p. 333; Gaz. vol. 134; p. 288.
 Roll. J. J. Evans and R. Lewis. No. 880,205; Feb. 25; Sp. p. 4780; Dr. p. 1011; Gaz. vol. 132; p. 1711.
 Roll and making same. F. Shuman. No. 889,341; June 2; Sp. p. 287; Dr. p. 69; Gaz. vol. 134; p. 1105.
 Roll-changing device. H. C. Shaw. No. 889,407; June 2; Sp. p. 436; Dr. p. 104; Gaz. vol. 134; p. 1127.
 Roll-cleaner. S. Coderre. No. 901,783; Oct. 20; Sp. p. 3618; Dr. p. 732; Gaz. vol. 136; p. 1697.
 Roll, Crushing-. T. L. and T. J. Sturtevant. No. 907,300; Dec. 22; Sp. p. 4253; Gaz. vol. 137; p. 1783.
 Roll-protector. C. J. Roethermel. No. 894,906; Aug. 4; Sp. p. 240; Dr. p. 51; Gaz. vol. 135; p. 936.
 Roll-shutter and life-saving ladder, Combined. J. Hengstler. No. 905,529; Dec. 1; Sp. p. 834; Gaz. vol. 137; p. 1119.
 Rolls, Automatic blocking attachment for strip-. W. A. Wood. No. 880,434; Feb. 25; Sp. p. 5247; Dr. pp. 1103-4; Gaz. vol. 132; p. 1788.
 Rolls, Bending-. J. Naegelen. No. 908,119; Dec. 29; Sp. p. 5959; Gaz. vol. 137; p. 2081.
 Rolls, Manufacture of. E. Edmunds and J. H. Pendleton. No. 905,857; Dec. 8; Sp. p. 1477; Gaz. vol. 137; p. 1255.
 Rolls or drums, Means for attaching flexible material to. T. H. Davies. No. 886,582; May 5; Sp. p. 469; Dr. p. 100; Gaz. vol. 134; p. 86.
 Roller. See Bearing-roller; Can-roller; Chair-roller; Grinding-roller; Hat-sizing-machine roller; Inking-roller; Land-roller; Paper-making-machine roller; Pressing-roller; Printing-press inking-roller; Road-roller; Shade-roller; Spinning-frame roller; Stay-roller.
 Roller. J. M. Braly. No. 898,827; Sept. 15; Sp. p. 3167; Dr. p. 677; Gaz. vol. 136; p. 575.
 Roller. H. Brubaker. No. 901,873; Oct. 20; Sp. p. 3771; Dr. p. 766; Gaz. vol. 136; p. 1725.
 Roller and harrow. Combined. C. C. Dollison. No. 876,951; Jan. 21; Sp. p. 2600; Dr. pp. 565-6; Gaz. vol. 132; p. 491.
 Roller attachment, Steam-. G. J. Neyerlin. No. 903,223; Nov. 10; Sp. p. 1382; Gaz. vol. 137; p. 256.
 Roller, Land-. O. K. Harry. No. 905,179; Dec. 1; Sp. p. 112; Gaz. vol. 137; p. 1001.
 Roller-mill. G. Briddon and R. J. Fowler. No. 881,296; Mar. 10; Sp. p. 1615; Dr. p. 345; Gaz. vol. 133; p. 301.
 Roller-mill. E. Brown. No. 888,581; May 26; Sp. p. 4517; Dr. p. 957; Gaz. vol. 134; p. 827.
 Roller-mill, Centrifugal. A. Raymond. No. 881,262; Mar. 10; Sp. p. 1536; Dr. p. 331; Gaz. vol. 133; p. 289.
 Roller-mill feed mechanism. W. H. Smith. No. 900,790; Oct. 13; Sp. p. 1532; Dr. p. 312; Gaz. vol. 136; p. 1335.
 Roller or wheel. W. L. Curtis. No. 884,720; Apr. 14; Sp. p. 2162; Dr. p. 459; Gaz. vol. 133; p. 1564.
 Roller-press. C. Neilsen. No. 880,035; Feb. 25; Sp. p. 4451; Dr. p. 934; Gaz. vol. 132; p. 1656.
 Roller-press. E. Reagan. No. 900,205; Oct. 6; Sp. p. 279; Dr. pp. 55-7; Gaz. vol. 136; p. 1118.
 Roller-skate. J. Hohenadel. No. 894,501; July 28; Sp. p. 4437; Dr. p. 918; Gaz. vol. 135; p. 777.
 Roller-skaters in rinks, Supporting apparatus for. C. A. Spooner. No. 895,055; Aug. 4; Sp. p. 560; Dr. p. 115; Gaz. vol. 135; p. 987.
 Roller-support. H. J. Dengler. No. 885,146; Apr. 21; Sp. p. 3041; Dr. p. 640; Gaz. vol. 133; p. 1733.
 Roller, Towing-. W. H. Lewis. No. 905,893; Dec. 8; Sp. p. 1539; Gaz. vol. 137; p. 1266.
 Rollers and other objects, Forming conically-shaped ends upon. H. Hess. No. 891,992; June 30; Sp. p. 5724; Dr. p. 1231; Gaz. vol. 134; p. 2095.
 Rollers, Dust-guard for. E. J. Muth. No. 887,831; May 19; Sp. p. 3051; Dr. p. 641; Gaz. vol. 134; p. 551.
 Rollers, Machine for pressing lines or designs into. R. Laing. No. 878,071; Feb. 4; Sp. p. 364; Dr. p. 75; Gaz. vol. 132; p. 907.
 Rolling. W. McKee. No. 885,508; Apr. 21; Sp. p. 3760; Dr. p. 791; Gaz. vol. 133; p. 1850.
 Rolling flanged shapes, Apparatus for. E. E. Slick. No. 887,534; May 12; Sp. p. 2460; Dr. p. 519; Gaz. vol. 134; p. 423.
 Rolling machine, Metal-. A. Ridd. No. 902,687; Nov. 3; Sp. p. 300; Gaz. vol. 137; p. 52.
 Rolling metal rings, Machine for. I. B. Ritter. No. 899,436; Sept. 22; Sp. p. 4308; Dr. p. 925; Gaz. vol. 136; p. 798.
 Rolling-mill. A. T. Keller. No. 884,278; Apr. 7; Sp. p. 1240; Dr. pp. 260-1; Gaz. vol. 133; p. 1389.
 Rolling-mill. F. C. Biggett, Jr. No. 891,032; June 16; Sp. p. 3748; Dr. p. 818; Gaz. vol. 134; p. 1717.
 Rolling-mill feed mechanism. C. W. Bray and J. Peat. No. 887,582; May 12; Sp. p. 2543; Dr. pp. 536-7; Gaz. vol. 134; p. 439.
 Rolling-mill feed-table. J. Fawell. No. 895,621; Aug. 11; Sp. p. 1693; Dr. pp. 358-9; Gaz. vol. 135; p. 1197.
 Rolling-mill for crushing pipes, bloomings, &c. J. Eynon. No. 879,616; Feb. 18; Sp. p. 3564; Dr. pp. 745-6; Gaz. vol. 132; p. 1485.
 Rolling-mill for the manufacture of pipes and other hollow bodies. O. Heer. No. 894,140; July 21; Sp. p. 3668; Dr. p. 758; Gaz. vol. 135; p. 638.

Alphabetical list of inventions—Continued.

- Rolling-mill guide. V. E. Edwards. No. 895,442; Aug. 11; Sp. p. 1333; Dr. p. 280; Gaz. vol. 135; p. 1139.
- Rolling-mill manipulator. F. C. Biggett, Jr. No. 893,429; July 14; Sp. p. 2102; Dr. pp. 440-1; Gaz. vol. 135; p. 374.
- Rolling-mill table. J. S. Worth. No. 891,126; June 16; Sp. p. 3901; Dr. pp. 854-5; Gaz. vol. 134; p. 1744.
- Rolling-mill table. J. Fawell. No. 895,622; Aug. 11; Sp. p. 1694; Dr. pp. 359-60; Gaz. vol. 135; p. 1198.
- Rolling-mill, Universal. F. I. Ellis. No. 901,233; Oct. 13; Sp. p. 2391; Dr. pp. 489-90; Gaz. vol. 136; p. 1477.
- Rolling-mills, Screw-down mechanism for. E. J. McIlvried. No. 901,251; Oct. 13; Sp. p. 2421; Dr. pp. 496-7; Gaz. vol. 136; p. 1483.
- Rolling-mills, Table-operating mechanism for. F. C. Biggett, Jr. No. 876,894; Jan. 14; Sp. p. 2450; Dr. pp. 534-5; Gaz. vol. 132; p. 432.
- Rolling-mills, Twist-delivery guide for. V. E. Edwards. No. 899,518; Sept. 29; Sp. p. 4482; Dr. p. 962; Gaz. vol. 136; p. 863.
- Rolling plates. A. Lamberton. No. 898,900; Sept. 15; Sp. p. 3297; Dr. p. 706; Gaz. vol. 136; p. 599.
- Rolling plates. A. Lamberton. No. 898,901; Sept. 15; Sp. p. 3298; Dr. pp. 706-7; Gaz. vol. 136; p. 600.
- Rolling process and mill, Metal-. M. Ruthenburg. No. 897,931; Sept. 8; Sp. p. 1427; Dr. p. 305; Gaz. vol. 136; p. 256.
- Rolling ribbed bars. T. W. Jenks. No. 882,321; Mar. 17; Sp. p. 3668; Dr. p. 779; Gaz. vol. 133; p. 661.
- Rolling screen. J. L. McCall. No. 881,196; Mar. 10; Sp. p. 1397; Dr. p. 302; Gaz. vol. 133; p. 267.
- Roof. J. C. P. Benson. No. 899,022; Sept. 22; Sp. p. 3528; Dr. p. 755; Gaz. vol. 136; p. 667.
- Roof-bracket. E. G. Appleton. No. 893,123; July 14; Sp. p. 1490; Dr. p. 315; Gaz. vol. 135; p. 274.
- Roof-climber. R. C. Talbot. No. 906,082; Dec. 8; Sp. p. 1902; Gaz. vol. 137; p. 1326.
- Roof-covering. C. C. Dill. No. 879,372; Feb. 18; Sp. p. 3029; Dr. p. 631; Gaz. vol. 132; p. 1406.
- Roof-flashing. L. H. Bullard. No. 885,318; Apr. 21; Sp. p. 3406; Dr. p. 712; Gaz. vol. 133; p. 1791.
- Roof-joint. G. B. Norgrave. No. 897,995; Sept. 8; Sp. p. 1563; Dr. p. 332; Gaz. vol. 136; p. 277.
- Roof snow guard or fender. F. A. Peter. No. 884,850; Apr. 14; Sp. p. 2441; Dr. p. 513; Gaz. vol. 133; p. 1608.
- Roofing bracket. J. Layfield. No. 889,795; June 2; Sp. p. 1176; Dr. p. 272; Gaz. vol. 134; p. 1250.
- Roofing construction, Metallic. C. Spornhauer. No. 877,133; Jan. 21; Sp. p. 2985; Dr. p. 645; Gaz. vol. 132; p. 553.
- Roofing-fastener. A. E. Roeber. No. 876,843; Jan. 14; Sp. p. 2337; Dr. p. 513; Gaz. vol. 132; p. 413.
- Roofing-machine. P. Buckborough. No. 907,751; Dec. 29; Sp. p. 5162; Gaz. vol. 137; p. 1953.
- Roofing material. G. D. Fust. No. 900,512; Oct. 6; Sp. p. 954; Gaz. vol. 136; p. 1217.
- Roofing-material joint. S. H. Goldberg. No. 899,968; Sept. 29; Sp. p. 5439; Dr. p. 1159; Gaz. vol. 136; p. 1009.
- Roofing material, Method of and means for making. F. C. Overbury. No. 876,008; Jan. 7; Sp. p. 629; Dr. p. 134; Gaz. vol. 132; p. 109.
- Roofing material, Method of and means for making. F. C. Overbury. No. 876,010; Jan. 7; Sp. p. 631; Dr. p. 135; Gaz. vol. 132; p. 109.
- Roofing, Metallic. W. M. Garvin. No. 892,248; June 30; Sp. p. 6204; Dr. p. 1337; Gaz. vol. 134; p. 2179.
- Roofing or covering, Tile. I. P. Walker. No. 892,917; July 7; Sp. p. 1068; Dr. p. 224; Gaz. vol. 135; p. 177.
- Roofing or siding sheets, Lap-joint for. E. G. Welch. No. 879,708; Feb. 18; Sp. p. 3743; Dr. p. 785; Gaz. vol. 132; p. 1515.
- Roofing-package and making same. F. C. Overbury. No. 881,024; Mar. 3; Sp. p. 1068; Dr. p. 232; Gaz. vol. 133; p. 162.
- Roofing, Sheet-metal. J. F. Galbraith. No. 877,639; Jan. 28; Sp. p. 4008; Dr. p. 866; Gaz. vol. 132; p. 740.
- Roofing, Sheet-metal. H. E. Moornaw. No. 884,285; Apr. 7; Sp. p. 1249; Dr. p. 262; Gaz. vol. 133; p. 1391.
- Roofing, Sheet-metal. L. Stein. No. 892,693; July 7; Sp. p. 586; Dr. p. 126; Gaz. vol. 135; p. 103.
- Roofing-strip. F. C. Overbury. No. 876,009; Jan. 7; Sp. p. 630; Dr. p. 134; Gaz. vol. 132; p. 109.
- Roofing-strip. F. C. Overbury. No. 891,501; June 23; Sp. p. 4695; Dr. p. 1017; Gaz. vol. 134; p. 1901.
- Roofing-strips, Apparatus for making serrated. F. C. Overbury. No. 881,023; Mar. 3; Sp. p. 1066; Dr. p. 232; Gaz. vol. 133; p. 182.
- Roofing-tool. A. Allen. No. 899,016; Sept. 22; Sp. p. 3517; Dr. p. 753; Gaz. vol. 136; p. 665.
- Room, Extension-. P. G. Hubert. No. 877,196; Jan. 21; Sp. p. 3121; Dr. p. 676; Gaz. vol. 132; p. 574.
- Room rack, Hotel-. F. Muschenheim. No. 878,554; Feb. 11; Sp. p. 1416; Dr. p. 290; Gaz. vol. 132; p. 1101.
- Rooms in mansions of all kinds, especially hotels, sanitariums, and the like, Construction and arrangement of sitting and bed. B. Scherl. No. 894,068; July 21; Sp. p. 3531; Dr. p. 724; Gaz. vol. 135; p. 615.
- Roost. T. M. Hendrickson. No. 908,261; Dec. 29; Sp. p. 6275; Gaz. vol. 137; p. 2130.
- Roost and vermin-trap, Combined poultry-. W. W. Frantz. No. 902,393; Oct. 27; Sp. p. 4853; Dr. p. 982; Gaz. vol. 136; p. 1923.
- Roost, Folding poultry-. E. A. Sigler. No. 901,843; Oct. 20; Sp. p. 3719; Dr. p. 756; Gaz. vol. 136; p. 1715.
- Roost, Poultry-. S. Percival. No. 876,833; Jan. 14; Sp. p. 2319; Dr. p. 510; Gaz. vol. 132; p. 410.
- Roost, Poultry-. J. E. McKinzie. No. 892,004; June 30; Sp. p. 5746; Dr. p. 1235; Gaz. vol. 134; p. 2099.
- Roost, Poultry-. C. W. Kriedler. No. 895,375; Aug. 4; Sp. p. 1193; Dr. p. 251; Gaz. vol. 135; p. 1093.
- Roost-puller. R. A. Denovan. No. 879,526; Feb. 18; Sp. p. 3349; Dr. p. 699; Gaz. vol. 132; p. 1456.
- Rope and cable grip. R. Schlitz. No. 891,639; June 23; Sp. p. 4994; Dr. p. 1076; Gaz. vol. 134; p. 1947.
- Rope-bracket. O. M. Stalson. No. 891,640; June 23; Sp. p. 4995; Dr. p. 1076; Gaz. vol. 134; p. 1947.
- Rope-carrier. F. V. Drake. No. 893,906; July 21; Sp. p. 3190; Dr. p. 656; Gaz. vol. 135; p. 560.
- Rope-carrier-direction-changing device. F. V. Drake. No. 885,455; Apr. 21; Sp. p. 3667; Dr. p. 768; Gaz. vol. 133; p. 1834.
- Rope carrier, Fall-. A. Lambert. No. 890,072; June 9; Sp. p. 1760; Dr. p. 389; Gaz. vol. 134; p. 1369.
- Rope carrier, Fall-. A. Lambert. No. 890,073; June 9; Sp. p. 1762; Dr. p. 390; Gaz. vol. 134; p. 1370.
- Rope carrier, Fall-. A. Lambert. No. 890,663; June 16; Sp. p. 2980; Dr. p. 653; Gaz. vol. 134; p. 1595.
- Rope-clamp. M. Blum and J. Stein. No. 876,138; Jan. 7; Sp. p. 889; Dr. p. 191; Gaz. vol. 132; p. 150.
- Rope-clamp. F. Almstead. No. 881,041; Mar. 3; Sp. p. 1096; Dr. p. 237; Gaz. vol. 133; p. 187.
- Rope-clamp. E. Carey. No. 881,662; Mar. 10; Sp. p. 2331; Dr. p. 505; Gaz. vol. 133; p. 419.
- Rope-clamp. A. L. Adams. No. 881,760; Mar. 10; Sp. p. 2515; Dr. p. 542; Gaz. vol. 133; p. 448.
- Rope-clamp. W. A. Boulter. No. 895,065; Aug. 4; Sp. p. 581; Dr. p. 120; Gaz. vol. 135; p. 990.
- Rope-clamp. B. Brazelle. No. 895,397; Aug. 4; Sp. p. 1232; Dr. p. 259; Gaz. vol. 135; p. 1100.
- Rope-clip. C. M. Mockbee. No. 905,556; Dec. 1; Sp. p. 902; Gaz. vol. 137; p. 1127.
- Rope-fastener. J. B. Anderson. No. 904,747; Nov. 24; Sp. p. 4554; Gaz. vol. 137; p. 822.
- Rope-grab. L. and E. L. Stephens. No. 881,736; Mar. 10; Sp. p. 2474; Dr. p. 532; Gaz. vol. 133; p. 441.
- Rope-grip. R. E. Patterson. No. 884,521; Apr. 14; Sp. p. 1727; Dr. p. 371; Gaz. vol. 133; p. 1497.
- Rope-grip, Safety. C. F. Sinclair. No. 903,015; Nov. 3; Sp. p. 974; Gaz. vol. 137; p. 161.
- Rope handle, Jumping-. C. H. Sapper. No. 906,303; Dec. 8; Sp. p. 2332; Gaz. vol. 137; p. 1400.
- Rope-holding device. W. Brundell. No. 876,770; Jan. 14; Sp. p. 2205; Dr. p. 485; Gaz. vol. 132; p. 391.
- Rope-making machine. E. O. Berg. No. 905,636; Dec. 1; Sp. p. 1049; Gaz. vol. 137; p. 1152.
- Rope-sheave. M. A. Baker. No. 899,648; Sept. 29; Sp. p. 4766; Dr. p. 1020; Gaz. vol. 136; p. 905.
- Rope-socket. R. A. Hammond. No. 878,060; Feb. 4; Sp. p. 340; Dr. p. 71; Gaz. vol. 132; p. 904.
- Rope-socket, Ratchet-swivel. C. Daniel. No. 897,196; Aug. 25; Sp. p. 4866; Dr. p. 1035; Gaz. vol. 135; p. 1754.
- Rope-splicing device. W. Melland and W. H. Nield. No. 876,572; Jan. 14; Sp. p. 1811; Dr. pp. 395-6; Gaz. vol. 132; p. 326.
- Rope-testing machine. J. A. Vaughan and W. M. Epton. No. 889,993; June 9; Sp. p. 1596; Dr. p. 358; Gaz. vol. 134; p. 1342.
- Rope tie. O. Cooper. No. 904,843; Nov. 24; Sp. p. 4763; Gaz. vol. 137; p. 855.
- Ropeway-carriage. W. Ellingen. No. 890,852; June 16; Sp. p. 3374; Dr. p. 740; Gaz. vol. 134; p. 1657.
- Rosette. J. S. Stewart. No. 908,166; Dec. 29; Sp. p. 6059; Gaz. vol. 137; p. 2097.
- Rotary cutter. G. A. Bauer. No. 884,556; Apr. 14; Sp. p. 1796; Dr. p. 386; Gaz. vol. 133; p. 1509.
- Rotary cutter. W. C. Evans and E. H. Taylor. No. 891,212; June 16; Sp. p. 4088; Dr. p. 897; Gaz. vol. 134; p. 1773.
- Rotary cutter. J. B. Cantwell. No. 892,977; July 14; Sp. p. 1190; Dr. p. 250; Gaz. vol. 135; p. 226.
- Rotary cutter. C. F. Ball. No. 900,254; Oct. 6; Sp. p. 372; Dr. p. 77; Gaz. vol. 136; p. 1133.
- Rotary cutter. C. F. Ball. No. 900,255; Oct. 6; Sp. p. 373; Dr. p. 77; Gaz. vol. 136; p. 1133.
- Rotary cutter. G. P. Youmans. No. 902,636; Nov. 3; Sp. p. 207; Gaz. vol. 137; p. 35.
- Rotary cutter. M. C. Smith. No. 906,318; Dec. 8; Sp. p. 2361; Gaz. vol. 137; p. 1405.
- Rotary device, High-speed. H. A. Myers. No. 897,916; Sept. 8; Sp. p. 1394; Dr. p. 297; Gaz. vol. 136; p. 251.
- Rotary device, High-speed. H. A. Myers. No. 897,917; Sept. 8; Sp. p. 1397; Dr. p. 298; Gaz. vol. 136; p. 252.
- Rotary engine. R. H. Higginbotham. No. 876,184; Jan. 7; Sp. p. 967; Dr. p. 209; Gaz. vol. 132; p. 164.
- Rotary engine. F. A. Cleveland. No. 876,691; Jan. 14; Sp. p. 2078; Dr. pp. 451-2; Gaz. vol. 132; p. 367.
- Rotary engine. A. F. Ford. No. 876,707; Jan. 14; Sp. p. 2104; Dr. p. 458; Gaz. vol. 132; p. 372.
- Rotary engine. E. H. Barrett. No. 876,763; Jan. 14; Sp. p. 2191; Dr. pp. 481-2; Gaz. vol. 132; p. 389.
- Rotary engine. E. E. Lord. No. 876,818; Jan. 14; Sp. p. 2294; Dr. p. 504; Gaz. vol. 132; p. 406.
- Rotary engine. J. Marsden. No. 877,103; Jan. 21; Sp. p. 2915; Dr. p. 630; Gaz. vol. 132; p. 542.
- Rotary engine. C. R. Reid. No. 877,733; Jan. 28; Sp. p. 4182; Dr. p. 907; Gaz. vol. 132; p. 768.
- Rotary engine. A. Mercer. No. 877,854; Jan. 28; Sp. p. 4400; Dr. pp. 957-8; Gaz. vol. 132; p. 807.
- Rotary engine. E. Srnc. No. 877,872; Jan. 28; Sp. p. 4433; Dr. pp. 965-6; Gaz. vol. 132; p. 813.
- Rotary engine. F. Suren. No. 877,965; Feb. 4; Sp. p. 137; Dr. pp. 31-2; Gaz. vol. 132; p. 872.
- Rotary engine. J. L. Adams. No. 878,327; Feb. 4; Sp. p. 882; Dr. pp. 176-7; Gaz. vol. 132; p. 991.
- Rotary engine. G. A. Dibble. No. 878,613; Feb. 11; Sp. p. 1558; Dr. p. 317; Gaz. vol. 132; p. 1121.
- Rotary engine. F. E. Penington. No. 878,998; Feb. 11; Sp. p. 2284; Dr. p. 477; Gaz. vol. 132; p. 1243.
- Rotary engine. E. Harrigan. No. 879,464; Feb. 18; Sp. p. 3236; Dr. pp. 673-4; Gaz. vol. 132; p. 1435.
- Rotary engine. J. Weatherford. No. 879,707; Feb. 18; Sp. p. 3741; Dr. p. 785; Gaz. vol. 132; p. 1515.

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 Rotary engine. J. Zura. No. 880,182; Feb. 25; Sp. p. 4728; Dr. pp. 1000-1; Gaz. vol. 132; p. 1703.
 Rotary engine. W. Seibert. No. 880,333; Feb. 25; Sp. p. 5029; Dr. p. 1061; Gaz. vol. 132; p. 1753.
 Rotary engine. R. H. Wright and M. S. Gill. No. 880,614; Mar. 3; Sp. p. 251; Dr. pp. 52-3; Gaz. vol. 133; p. 44.
 Rotary engine. J. F. Massey. No. 881,014; Mar. 3; Sp. p. 1052; Dr. p. 228; Gaz. vol. 133; p. 179.
 Rotary engine. C. E. Rhorer. No. 882,168; Mar. 17; Sp. p. 3386; Dr. p. 720; Gaz. vol. 133; p. 612.
 Rotary engine. S. W. Vincent. No. 882,360; Mar. 17; Sp. p. 3740; Dr. pp. 795-6; Gaz. vol. 133; p. 673.
 Rotary engine. C. O. Sherman. No. 882,428; Mar. 17; Sp. p. 3843; Dr. pp. 821-2; Gaz. vol. 133; p. 695.
 Rotary engine. J. Murray. No. 882,576; Mar. 24; Sp. p. 4145; Dr. pp. 878-9; Gaz. vol. 133; p. 777.
 Rotary engine. W. M. Spencer. No. 882,591; Mar. 24; Sp. p. 4171; Dr. p. 885; Gaz. vol. 133; p. 782.
 Rotary engine. J. A. Eaton. No. 882,750; Mar. 24; Sp. p. 4492; Dr. p. 957; Gaz. vol. 133; p. 834.
 Rotary engine. J. F. Hopper. No. 882,884; Mar. 24; Sp. p. 4768; Dr. p. 1014; Gaz. vol. 133; p. 878.
 Rotary engine. R. Lundquist. No. 883,034; Mar. 24; Sp. p. 5051; Dr. p. 1076; Gaz. vol. 133; p. 927.
 Rotary engine. C. Gause and P. Conrady. No. 883,188; Mar. 31; Sp. p. 5366; Dr. p. 1143; Gaz. vol. 133; p. 1008.
 Rotary engine. J. A. Leask. No. 883,319; Mar. 31; Sp. p. 5641; Dr. pp. 1203-4; Gaz. vol. 133; p. 1050.
 Rotary engine. F. F. MacLean. No. 883,324; Mar. 31; Sp. p. 5648; Dr. p. 1205; Gaz. vol. 133; p. 1052.
 Rotary engine. H. C. Schaefer. No. 883,575; Mar. 31; Sp. p. 6182; Dr. pp. 1314-15; Gaz. vol. 133; p. 1132.
 Rotary engine. A. E. Abbott. No. 883,605; Mar. 31; Sp. p. 6229; Dr. pp. 1328-9; Gaz. vol. 133; p. 1141.
 Rotary engine. J. Knowles. No. 883,894; Apr. 7; Sp. p. 451; Dr. p. 89; Gaz. vol. 133; p. 1263.
 Rotary engine. H. Pierce. No. 883,911; Apr. 7; Sp. p. 486; Dr. pp. 96-7; Gaz. vol. 133; p. 1270.
 Rotary engine. G. W. Hopkins. No. 883,955; Apr. 7; Sp. p. 582; Dr. p. 117; Gaz. vol. 133; p. 1284.
 Rotary engine. P. O. Poulson. No. 884,952; Apr. 14; Sp. p. 2624; Dr. p. 554; Gaz. vol. 133; p. 1637.
 Rotary engine. T. H. Lukens. No. 884,984; Apr. 14; Sp. p. 2682; Dr. p. 570; Gaz. vol. 133; p. 1647.
 Rotary engine. W. J. Chance. No. 886,765; May 5; Sp. p. 889; Dr. pp. 184-5; Gaz. vol. 134; p. 146.
 Rotary engine. T. Ashley. No. 886,919; May 5; Sp. p. 1166; Dr. p. 245; Gaz. vol. 134; p. 192.
 Rotary engine. J. W. Cooper. No. 887,463; May 12; Sp. p. 2303; Dr. p. 484; Gaz. vol. 134; p. 399.
 Rotary engine. G. H. Tuttle and E. A. Kent. No. 887,711; May 12; Sp. p. 2777; Dr. pp. 586-7; Gaz. vol. 134; p. 481.
 Rotary engine. W. J. Tekippe. No. 887,872; May 19; Sp. p. 3133; Dr. pp. 657-8; Gaz. vol. 134; p. 565.
 Rotary engine. T. J. Quirk. No. 888,033; May 19; Sp. p. 3437; Dr. pp. 721-2; Gaz. vol. 134; p. 617.
 Rotary engine. J. Scipe. No. 888,043; May 19; Sp. p. 3459; Dr. p. 725; Gaz. vol. 134; p. 620.
 Rotary engine. J. P. Fox. No. 888,323; May 19; Sp. p. 3968; Dr. p. 836; Gaz. vol. 134; p. 709.
 Rotary engine. J. W. Mooney. No. 888,344; May 19; Sp. p. 4023; Dr. pp. 848-9; Gaz. vol. 134; p. 716.
 Rotary engine. A. Hopkins. No. 888,806; May 26; Sp. p. 4997; Dr. pp. 1065-6; Gaz. vol. 134; p. 900.
 Rotary engine. J. C. Barnes. No. 889,092; May 26; Sp. p. 5560; Dr. p. 1182; Gaz. vol. 134; p. 993.
 Rotary engine. G. M. Bard. No. 889,188; June 2; Sp. p. 3; Dr. p. 2; Gaz. vol. 134; p. 1057.
 Rotary engine. F. M. Lechner. No. 889,247; June 2; Sp. p. 105; Dr. pp. 24-5; Gaz. vol. 134; p. 1076.
 Rotary engine. G. H. Carter. No. 889,439; June 2; Sp. p. 493; Dr. pp. 117-18; Gaz. vol. 134; p. 1138.
 Rotary engine. F. A. Cleveland. No. 889,583; June 2; Sp. p. 782; Dr. p. 178; Gaz. vol. 134; p. 1183.
 Rotary engine. J. K. Gerrich. No. 889,875; June 2; Sp. p. 1334; Dr. p. 304; Gaz. vol. 134; p. 1277.
 Rotary engine. J. B. Walker. No. 889,995; June 9; Sp. p. 1598; Dr. p. 358; Gaz. vol. 134; p. 1343.
 Rotary engine. J. Q. Adams. No. 890,392; June 9; Sp. p. 2419; Dr. p. 534; Gaz. vol. 134; p. 1473.
 Rotary engine. K. A. E. Andreas. No. 890,591; June 16; Sp. p. 2818; Dr. p. 621; Gaz. vol. 134; p. 1569.
 Rotary engine. J. C. Pfeiffer. No. 890,733; June 16; Sp. p. 3264; Dr. pp. 714-15; Gaz. vol. 134; p. 1638.
 Rotary engine. U. G. Mayberry. No. 890,918; June 16; Sp. p. 3503; Dr. p. 767; Gaz. vol. 134; p. 1677.
 Rotary engine. K. H. Korhonen. No. 891,346; June 23; Sp. p. 4385; Dr. p. 954; Gaz. vol. 134; p. 1850.
 Rotary engine. G. T. Killam and M. O'Neill. No. 891,839; June 30; Sp. p. 5416; Dr. p. 1171; Gaz. vol. 134; p. 2045.
 Rotary engine. R. Hofstetter. No. 892,156; June 30; Sp. p. 6031; Dr. p. 1296; Gaz. vol. 134; p. 2148.
 Rotary engine. A. W. Welsh and W. Sheek. No. 892,201; June 30; Sp. p. 6118; Dr. p. 1316; Gaz. vol. 134; p. 2163.
 Rotary engine. W. L. Ellis and F. W. McQueen. No. 892,232; June 30; Sp. p. 6174; Dr. p. 1330; Gaz. vol. 134; p. 2173.
 Rotary engine. G. W. Nütz. No. 892,295; June 30; Sp. p. 6297; Dr. pp. 1355-6; Gaz. vol. 134; p. 2195.
 Rotary engine. G. W. Wood. No. 892,346; June 30; Sp. p. 6387; Dr. pp. 1378-9; Gaz. vol. 134; p. 2211.
 Rotary engine. J. S. Hillyer. No. 892,374; June 30; Sp. p. 6440; Dr. pp. 1389-90; Gaz. vol. 134; p. 2219.
 Rotary engine. A. I. Ostrander. No. 892,443; July 7; Sp. p. 105; Dr. p. 23; Gaz. vol. 135; p. 22.
 Rotary engine. W. G. Macomber. No. 893,181; July 14; Sp. p. 1604; Dr. p. 340; Gaz. vol. 135; p. 292.
 Rotary engine. G. Hadden. No. 893,801; July 21; Sp. p. 2970; Dr. p. 608; Gaz. vol. 135; p. 526.
 Rotary engine. J. W. von Pittler. No. 894,391; July 28; Sp. p. 4219; Dr. p. 870; Gaz. vol. 135; p. 741.
 Rotary engine. B. Dahl. No. 894,485; July 28; Sp. p. 4410; Dr. p. 911; Gaz. vol. 135; p. 772.
 Rotary engine. F. Rossbach-Rousset. No. 895,043; Aug. 4; Sp. p. 542; Dr. p. 111; Gaz. vol. 135; p. 283.
 Rotary engine. J. Beuc. No. 895,233; Aug. 4; Sp. p. 915; Dr. pp. 192-4; Gaz. vol. 135; p. 1047.
 Rotary engine. G. W. Brown. No. 895,841; Aug. 11; Sp. p. 2139; Dr. p. 454; Gaz. vol. 135; p. 1269.
 Rotary engine. J. Hokanson. No. 895,861; Aug. 11; Sp. p. 2178; Dr. pp. 462-3; Gaz. vol. 135; p. 1275.
 Rotary engine. W. S. Ferguson. No. 896,368; Aug. 18; Sp. p. 3169; Dr. p. 680; Gaz. vol. 135; p. 1460.
 Rotary engine. C. H. Luther, Jr. No. 897,260; Aug. 25; Sp. p. 5111; Dr. pp. 1066-7; Gaz. vol. 135; p. 1780.
 Rotary engine. L. Bonner. No. 897,519; Sept. 1; Sp. p. 575; Dr. p. 120; Gaz. vol. 136; p. 91.
 Rotary engine. J. Shaw. No. 898,272; Sept. 8; Sp. p. 2097; Dr. pp. 446-7; Gaz. vol. 136; p. 363.
 Rotary engine. L. M. Singleton and C. E. Maddox. No. 898,274; Sept. 8; Sp. p. 2103; Dr. p. 447; Gaz. vol. 136; p. 364.
 Rotary engine. F. C. Krüger. No. 898,658; Sept. 15; Sp. p. 2859; Dr. p. 611; Gaz. vol. 136; p. 521.
 Rotary engine. J. Gill. No. 899,040; Sept. 22; Sp. p. 3553; Dr. p. 761; Gaz. vol. 136; p. 671.
 Rotary engine. A. L. Westrich. No. 899,148; Sept. 22; Sp. p. 3766; Dr. p. 806; Gaz. vol. 136; p. 708.
 Rotary engine. E. Fournier. No. 899,485; Sept. 22; Sp. p. 4406; Dr. p. 945; Gaz. vol. 136; p. 816.
 Rotary engine. S. Haudenschild. No. 900,013; Sept. 29; Sp. p. 5538; Dr. pp. 1180-1; Gaz. vol. 136; p. 1024.
 Rotary engine. W. S. Minor. No. 900,410; Oct. 6; Sp. p. 713; Dr. pp. 148-9; Gaz. vol. 136; p. 1185.
 Rotary engine. W. S. Moses. No. 901,813; Oct. 20; Sp. p. 3670; Dr. pp. 744-5; Gaz. vol. 136; p. 1706.
 Rotary engine. J. E. Friend. No. 902,225; Oct. 27; Sp. p. 4506; Dr. pp. 912-13; Gaz. vol. 136; p. 1868.
 Rotary engine. H. Lee. No. 902,239; Oct. 27; Sp. p. 4532; Dr. p. 918; Gaz. vol. 136; p. 1872.
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 Rotary engine. J. Westerlund and C. Mard. No. 903,036; Nov. 3; Sp. p. 1017; Gaz. vol. 137; p. 167.
 Rotary engine. W. F. Bleeker. (Reissue.) No. 12,874; Nov. 10; Sp. p. 2586; Gaz. vol. 137; p. 452.
 Rotary engine. P. A. Johnson. No. 903,864; Nov. 17; Sp. p. 2679; Gaz. vol. 137; p. 466.
 Rotary engine. C. A. Bender. No. 904,749; Nov. 24; Sp. p. 4557; Gaz. vol. 137; p. 823.
 Rotary engine. B. F. Hoard and G. A. Paine. No. 904,781; Nov. 24; Sp. p. 4634; Gaz. vol. 137; p. 833.
 Rotary engine. B. B. Rockwood. No. 905,371; Dec. 1; Sp. p. 486; Gaz. vol. 137; p. 1066.
 Rotary engine. F. Stoehr and E. W. Gragert. No. 905,476; Dec. 1; Sp. p. 738; Gaz. vol. 137; p. 1102.
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 Rotary engine. B. B. Bower, Sr., and G. B. Bower. No. 906,684; Dec. 15; Sp. p. 3023; Gaz. vol. 137; p. 1545.
 Rotary engine. W. W. Wheeler. No. 906,759; Dec. 15; Sp. p. 3184; Gaz. vol. 137; p. 1570.
 Rotary engine. J. H. Fitch. No. 907,023; Dec. 15; Sp. p. 3662; Gaz. vol. 137; p. 1652.
 Rotary engine. G. P. Bump. No. 907,732; Dec. 29; Sp. p. 5163; Gaz. vol. 137; p. 1954.
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 Rotary engine. A. E. Miller. No. 907,843; Dec. 29; Sp. p. 5378; Gaz. vol. 137; p. 1991.
 Rotary explosive-engine. J. D. Long. No. 878,144; Feb. 4; Sp. p. 493; Dr. p. 105; Gaz. vol. 132; p. 930.
 Rotary explosive-engine. J. C. Walker. No. 883,363; Mar. 31; Sp. p. 5724; Dr. pp. 1221-2; Gaz. vol. 133; p. 1064.
 Rotary explosive-engine. E. E. Barnes. No. 885,006; Apr. 21; Sp. p. 2725; Dr. pp. 578-9; Gaz. vol. 133; p. 1687.
 Rotary explosive-engine. J. P. Walsh. No. 885,113; Apr. 21; Sp. p. 2950; Dr. pp. 625-6; Gaz. vol. 133; p. 1721.
 Rotary explosive-engine. S. L. Robbins. No. 886,641; May 5; Sp. p. 585; Dr. pp. 122-3; Gaz. vol. 134; p. 103.
 Rotary explosive-engine. G. L. Fairbrother. No. 891,827; June 30; Sp. p. 5395; Dr. p. 1167; Gaz. vol. 134; p. 2041.
 Rotary explosion-engine. W. H. Fulton. No. 894,492; July 28; Sp. p. 4422; Dr. pp. 914-15; Gaz. vol. 135; p. 774.

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 Rotary explosive-engine. E. O. Hoell. No. 903,470; Nov. 10; Sp. p. 1369; Gaz. vol. 137; p. 338.
 Rotary furnace applicable for use in roasting ores or the like. W. Hommel. 888,502; May 26; Sp. p. 4354; Dr. pp. 921-2; Gaz. vol. 134; p. 798.
 Rotary gasoline-engine. C. W. Lindsay. No. 898,903; Sept. 15; Sp. p. 3301; Dr. pp. 707-8; Gaz. vol. 136; p. 600.
 Rotary internal-combustion engine. J. Hokanson. No. 880,453; Feb. 25; Sp. p. 5283; Dr. p. 1112; Gaz. vol. 132; p. 1795.
 Rotary kiln. C. Ellis. No. 887,318; May 12; Sp. p. 2014; Dr. p. 421; Gaz. vol. 134; p. 352.
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 Rotary machine. J. Grindrod. No. 893,485; July 14; Sp. p. 2226; Dr. p. 467; Gaz. vol. 135; p. 391.
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 Rotary motor. H. G. Gillmor and A. W. Sweet. No. 884,812; Apr. 14; Sp. p. 2353; Dr. p. 495; Gaz. vol. 133; p. 1595.
 Rotary motor. P. J. Darlington. No. 885,752; Apr. 28; Sp. p. 4244; Dr. p. 889; Gaz. vol. 133; p. 1951.
 Rotary motor. P. J. Darlington. No. 887,595; May 12; Sp. p. 2566; Dr. 541; Gaz. vol. 134; p. 442.
 Rotary motor. A. Sauer. No. 887,700; May 12; Sp. p. 2758; Dr. p. 563; Gaz. vol. 134; p. 477.
 Rotary motor. A. E. Arons. No. 889,426; June 2; Sp. p. 469; Dr. pp. 111-12; Gaz. vol. 134; p. 1134.
 Rotary motor. C. G. Mayer. No. 889,944; June 9; Sp. p. 1484; Dr. pp. 336-7; Gaz. vol. 134; p. 1325.
 Rotary motor. R. E. Beaubien. No. 892,351; June 30; Sp. p. 6395; Dr. pp. 1380-1; Gaz. vol. 134; p. 2212.
 Rotary motor. A. White. No. 893,045; July 14; Sp. p. 1341; Dr. pp. 283-4; Gaz. vol. 135; p. 248.
 Rotary press. I. Broome. No. 899,691; Sept. 29; Sp. p. 4842; Dr. p. 1037; Gaz. vol. 136; p. 918.
 Rotary pressure-motor. P. T. Coffield. No. 902,054; Oct. 27; Sp. p. 4160; Dr. p. 842; Gaz. vol. 136; p. 1813.
 Rotary rake. E. M. Warrenfeltz. No. 902,187; Oct. 27; Sp. p. 4429; Dr. p. 896; Gaz. vol. 136; p. 1856.
 Rotary rake, Side-delivery. J. Dain. No. 886,681; May 5; Sp. p. 683; Dr. pp. 141-2; Gaz. vol. 134; p. 116.
 Rotary reaction-motor. G. W. Barber, Sr. No. 888,415; May 19; Sp. p. 4175; Dr. p. 883; Gaz. vol. 134; p. 740.
 Rotary-retort furnace. J. R. Moffitt. No. 895,656; Aug. 11; Sp. p. 1756; Dr. pp. 371-3; Gaz. vol. 135; p. 1209.
 Rotary screen. G. F. Smailes. No. 877,803; Jan. 28; Sp. p. 4303; Dr. p. 934; Gaz. vol. 132; p. 790.
 Rotary screen. D. P. Findley. No. 886,966; May 5; Sp. p. 1252; Dr. pp. 264-5; Gaz. vol. 134; p. 207.
 Rotary shovel. E. W. Nichols. No. 893,749; July 21; Sp. p. 2868; Dr. p. 589; Gaz. vol. 135; p. 509.
 Rotary sprinkler. T. S. and J. E. Stewart. No. 900,609; Oct. 6; Sp. p. 1160; Dr. p. 236; Gaz. vol. 136; p. 1250.
 Rotary steam-engine. E. F. Edgar. No. 902,059; Oct. 27; Sp. p. 4167; Dr. pp. 843-5; Gaz. vol. 136; p. 1815.
 Rotary switch. F. J. Russell. No. 904,897; Nov. 24; Sp. p. 4883; Gaz. vol. 137; p. 872.
 Rotary vacuum-drier. J. O. Snyder and F. O. Clawson. No. 900,436; Oct. 6; Sp. p. 770; Dr. p. 159; Gaz. vol. 136; p. 1193.
 Rotatable spindle and bobbin. C. A. Smith. No. 890,881; June 16; Sp. p. 3422; Dr. p. 750; Gaz. vol. 134; p. 1666.
 Rotatable table. A. M. Stover. No. 907,649; Dec. 22; Sp. p. 4975; Gaz. vol. 137; p. 1896.
 Rotation-indicating instrument. H. P. C. Browne and W. H. Palmer, Jr. No. 883,385; Mar. 31; Sp. p. 5789; Dr. p. 1236; Gaz. vol. 133; p. 1072.
 Rotor construction. B. Elshoff. No. 900,839; Oct. 13; Sp. p. 1642; Dr. pp. 332-3; Gaz. vol. 136; p. 1353.
 Rotor construction. C. E. Lord. No. 902,588; Nov. 3; Sp. p. 121; Gaz. vol. 137; p. 20.
 Rough-rounding and channeling machine. F. L. Alley. No. 878,475; Feb. 4; Sp. p. 1174; Dr. p. 238; Gaz. vol. 132; p. 1041.
 Rough-rounding machine. A. M. English. No. 878,478; Feb. 4; Sp. p. 1179; Dr. pp. 240-7; Gaz. vol. 132; p. 1042.
 Roundabout. H. S. Cantrovitz. No. 879,143; Feb. 18; Sp. p. 2579; Dr. p. 537; Gaz. vol. 132; p. 1330.
 Roundabout. H. O. Hamilton and S. J. P. Swallender. No. 906,625; Dec. 15; Sp. p. 2918; Gaz. vol. 137; p. 1528.
 Roundabout or merry-go-round. J. E. Cooper. No. 907,746; Dec. 29; Sp. p. 5189; Gaz. vol. 137; p. 1958.
 Routing-machine. G. L. Kelley. No. 877,894; Jan. 28; Sp. p. 4483; Dr. pp. 976-7; Gaz. vol. 132; p. 820.
 Routing-machine. V. Royle. No. 893,940; July 21; Sp. p. 3248; Dr. p. 669; Gaz. vol. 135; p. 571.
 Routing-machine. F. P. Grode. No. 900,524; Oct. 6; Sp. p. 974; Dr. pp. 197-9; Gaz. vol. 136; p. 1221.
 Routing-machine. R. Milne. No. 901,722; Oct. 20; Sp. p. 3494; Dr. p. 707; Gaz. vol. 136; p. 1677.
 Roving and similar frames, Device for preventing singles in. T. Bentley. No. 878,451; Feb. 4; Sp. p. 1113; Dr. p. 228; Gaz. vol. 132; p. 1032.
 Roving-machines, &c., Flier for. F. H. Martin. No. 892,863; July 7; Sp. p. 941; Dr. p. 198; Gaz. vol. 135; p. 157.
 Rowboat. J. Morzinski. No. 906,261; Dec. 8; Sp. p. 2254; Gaz. vol. 137; p. 1386.
 Rowing appliance. W. F. James and W. T. Deacon. No. 895,863; Aug. 11; Sp. p. 2182; Dr. p. 464; Gaz. vol. 135; p. 1276.
 Rubber. H. O'Sullivan. No. 879,306; Feb. 18; Sp. p. 2901; Dr. p. 605; Gaz. vol. 132; p. 1385.
 Rubber, Apparatus for vulcanizing. J. R. Gammeter. No. 906,215; Dec. 8; Sp. p. 2161; Gaz. vol. 137; p. 1370.
 Rubber article having seams, Hollow. I. F. Kepler. No. 889,376; June 2; Sp. p. 374; Dr. p. 86; Gaz. vol. 134; p. 1117.
 Rubber boots and shoes, Manufacture of india-. A. Schulze. No. 878,749; Feb. 11; Sp. p. 1810; Dr. p. 375; Gaz. vol. 132; p. 1165.
 Rubber boots or shoes, Apparatus for molding, vulcanizing, and finishing. J. W. V. Mason. No. 896,224; Aug. 18; Sp. p. 2864; Dr. p. 617; Gaz. vol. 135; p. 1415.
 Rubber-cleansing apparatus. M. C. Clark. No. 890,498; June 9; Sp. p. 2610; Dr. p. 579; Gaz. vol. 134; p. 1506.
 Rubber compound, Article of. W. Kiel. No. 879,388; Feb. 18; Sp. p. 3061; Dr. p. 637; Gaz. vol. 132; p. 1410.
 Rubber dam and tooth-backing punch, Combined. H. M. Bell. No. 888,297; May 19; Sp. p. 3931; Dr. p. 827; Gaz. vol. 134; p. 702.
 Rubber-dam holder and cutter. A. B. Prentiss. No. 896,662; Aug. 18; Sp. p. 3728; Dr. p. 803; Gaz. vol. 135; p. 1554.
 Rubber-extracting machine. S. Kirk. No. 888,714; May 26; Sp. p. 4795; Dr. p. 1021; Gaz. vol. 134; p. 871.
 Rubber fastening device. H. R. Nelson. No. 892,760; July 7; Sp. p. 719; Dr. p. 152; Gaz. vol. 135; p. 124.
 Rubber foothold. E. A. Strang. No. 891,354; June 23; Sp. p. 4400; Dr. p. 971; Gaz. vol. 134; p. 1503.
 Rubber footwear. E. A. Saunders. No. 905,105; Nov. 24; Sp. p. 5288; Gaz. vol. 137; p. 941.
 Rubber footwear, Machine for making. A. C. Squires. No. 878,572; Feb. 11; Sp. p. 1451; Dr. p. 296; Gaz. vol. 132; p. 1106.
 Rubber for vulcanization, Preparing india-. H. Scholz. No. 891,866; June 30; Sp. p. 5471; Gaz. vol. 134; p. 2055.
 Rubber goods, Apparatus for curing or vulcanizing. E. Hopkinson and T. Midgley. No. 901,006; Oct. 13; Sp. p. 1988; Dr. p. 404; Gaz. vol. 136; p. 1407.
 Rubber goods, Curing or vulcanizing. C. L. Pepper. No. 882,341; Mar. 17; Sp. p. 3707; Dr. p. 788; Gaz. vol. 133; p. 668.
 Rubber heel. A. M. Leighton. No. 906,807; Dec. 15; Sp. p. 3264; Gaz. vol. 137; p. 1585.
 Rubber-holder. F. C. Reed. No. 876,091; Jan. 7; Sp. p. 796; Dr. p. 170; Gaz. vol. 132; p. 135.
 Rubber hose from mandrels, Machine for removing. S. J. Sill. No. 890,578; June 9; Sp. p. 2769; Dr. p. 612; Gaz. vol. 134; p. 1534.
 Rubber hose, Vulcanizing-mandrel for. S. J. Sill. No. 897,309; Sept. 1; Sp. p. 75; Dr. p. 18; Gaz. vol. 136; p. 16.
 Rubber, Manufacture of artificial Para. J. Blum. No. 904,470; Nov. 17; Sp. p. 3963; Gaz. vol. 137; p. 703.
 Rubber overshoe, Low-cut or sole. F. C. Hood. No. 887,941; May 19; Sp. p. 3267; Dr. p. 686; Gaz. vol. 134; p. 588.
 Rubber, Purifying. H. O. Chute. No. 890,216; June 9; Sp. p. 2045; Dr. p. 450; Gaz. vol. 134; p. 1417.
 Rubber, Purifying. H. O. Chute. No. 890,217; June 9; Sp. p. 2051; Gaz. vol. 134; p. 1417.
 Rubber-refining apparatus. M. C. Clark. No. 890,497; June 9; Sp. p. 2609; Dr. p. 578; Gaz. vol. 134; p. 1506.
 Rubber roll or ring. J. B. Forsyth. No. 896,000; Aug. 11; Sp. p. 2453; Dr. p. 530; Gaz. vol. 135; p. 1320.
 Rubber sandal. A. O. Bourn. No. 901,064; Oct. 13; Sp. p. 2094; Dr. p. 426; Gaz. vol. 136; p. 1425.
 Rubber-securing device. H. J. Lozier. No. 902,891; Nov. 3; Sp. p. 736; Gaz. vol. 137; p. 122.
 Rubber shoe. C. E. Mapes. No. 892,171; June 30; Sp. p. 6062; Dr. p. 1303; Gaz. vol. 134; p. 2153.
 Rubber-shoe-holding device. F. P. McAulay. No. 888,252; May 19; Sp. p. 3843; Dr. p. 807; Gaz. vol. 134; p. 688.
 Rubber-soled shoe. R. T. Badgley. No. 896,075; Aug. 18; Sp. p. 2598; Dr. p. 562; Gaz. vol. 135; p. 1368.
 Rubber solution, Vulcanizing a. H. Scherpe. No. 906,306; Dec. 8; Sp. p. 2337; Gaz. vol. 137; p. 1401.
 Rubber-stock machines, Attachment for. L. A. Wells. No. 900,628; Oct. 6; Sp. p. 1191; Dr. p. 244; Gaz. vol. 136; p. 1256.
 Rubber tread. W. E. Herbst. No. 897,860; Sept. 1; Sp. p. 1267; Dr. p. 271; Gaz. vol. 136; p. 199.
 Rubber, Vulcanizing. J. R. Gammeter. No. 906,489; Dec. 8; Sp. p. 2663; Gaz. vol. 137; p. 1460.
 Rubber-washing apparatus, Reclaimed-. W. A. Kõneman. No. 895,770; Aug. 11; Sp. p. 1987; Dr. pp. 420-1; Gaz. vol. 135; p. 1246.
 Rubbers, Name-plate and fastener for. S. N. Fleck. No. 902,573; Nov. 3; Sp. p. 83; Gaz. vol. 137; p. 14.
 Rubbing and polishing machine. C. S. Yarnell. No. 897,951; Sept. 8; Sp. p. 1477; Dr. pp. 314-15; Gaz. vol. 136; p. 263.
 Rubbing device, Rotative. H. C. Vial. No. 908,172; Dec. 29; Sp. p. 6071; Gaz. vol. 137; p. 2099.
 Rubbing-machine, Portable. H. F. Holtmann. No. 879,466; Feb. 18; Sp. p. 3239; Dr. p. 674; Gaz. vol. 132; p. 1436.
 Rubbing-post. J. W. Coffman. No. 905,055; Nov. 24; Sp. p. 5183; Gaz. vol. 137; p. 925.
 Rug corner-weight. P. B. Ammerman. No. 882,859; Mar. 24; Sp. p. 4721; Dr. p. 1003; Gaz. vol. 133; p. 870.
 Rug-fastener. W. A. and C. M. Alden. No. 883,771; Apr. 7; Sp. p. 179; Dr. p. 33; Gaz. vol. 133; p. 1222.
 Rug holder or stiffener. A. Danek. No. 901,693; Oct. 20; Sp. p. 3435; Dr. p. 697; Gaz. vol. 136; p. 1668.
 Rug-making machine. J. E. Garrett. No. 889,922; June 9; Sp. p. 1444; Dr. p. 326; Gaz. vol. 134; p. 1318.
 Rug-rack. W. F. Judd. No. 888,172; May 19; Sp. p. 2699; Dr. p. 771; Gaz. vol. 134; p. 660.
 Rugs, Finishing the mouths of the animal-heads of skin. H. A. Reich. No. 880,919; Mar. 3; Sp. p. 884; Dr. p. 190; Gaz. vol. 133; p. 148.
 Rule. W. J. De Lashmunt. No. 884,904; Apr. 14; Sp. p. 2519; Dr. p. 532; Gaz. vol. 133; p. 1623.

Alphabetical list of inventions—Continued.

- Rule and level, Plumb. J. Morrison. No. 891,182; June 16; Sp. p. 4017; Dr. p. 881; Gaz. vol. 134; p. 1763.
 Rule and level, Plumb. E. M. Haunty. No. 899,730; Sept. 29; Sp. p. 4925; Dr. p. 1056; Gaz. vol. 136; p. 931.
 Rule and try-square, Combination. C. A. Ely. No. 893,061; July 14; Sp. p. 1372; Dr. p. 289; Gaz. vol. 135; p. 254.
 Rule, Calculating-. W. S. Harlow. No. 883,800; Apr. 7; Sp. p. 249; Dr. p. 45; Gaz. vol. 133; p. 1232.
 Rule, Computing slide-. H. Gröndahl. No. 884,729; Apr. 14; Sp. p. 2178; Dr. p. 462; Gaz. vol. 133; p. 1567.
 Rule, Foldable. C. L. Brush. No. 890,599; June 16; Sp. p. 2539; Dr. p. 625; Gaz. vol. 134; p. 1573.
 Rule, Folding. W. Turner. No. 893,035; July 14; Sp. p. 1322; Dr. p. 278; Gaz. vol. 135; p. 246.
 Rule-gage. W. E. Morgan. No. 877,218; Jan. 21; Sp. p. 3178; Dr. p. 689; Gaz. vol. 132; p. 583.
 Rule-holder. B. V. Winsor. No. 881,757; Mar. 10; Sp. p. 2511; Dr. p. 541; Gaz. vol. 133; p. 448.
 Rule-holder. E. J. Espelin. No. 891,920; June 30; Sp. p. 5574; Dr. p. 1201; Gaz. vol. 134; p. 2073.
 Rule, Slide-. O. L. Baumbach and A. Klitsche. No. 879,237; Feb. 18; Sp. p. 2755; Dr. p. 577; Gaz. vol. 132; p. 1362.
 Rule, Slide-. F. F. Nickel. No. 880,907; Mar. 3; Sp. p. 863; Dr. pp. 184-5; Gaz. vol. 133; p. 144.
 Rule, Slide-. W. L. E. Keuffel. No. 907,373; Dec. 22; Sp. p. 4382; Gaz. vol. 137; p. 1805.
 Rule, Structural slide-. J. L. Hall. No. 887,390; May 12; Sp. p. 2172; Dr. p. 455; Gaz. vol. 134; p. 376.
 Rule-tip. T. Prentice. No. 897,927; Sept. 8; Sp. p. 1420; Dr. p. 803; Gaz. vol. 136; p. 255.
 Rule with spring-joints, Folding. E. Zweigler. No. 884,255; Apr. 7; Sp. p. 1207; Dr. p. 254; Gaz. vol. 133; p. 1383.
 Ruler. H. J. Kimmel. No. 895,373; Aug. 4; Sp. p. 1190; Dr. p. 250; Gaz. vol. 135; p. 1093.
 Ruler, Antiblotting-. M. W. Alexander. No. 895,137; Aug. 4; Sp. p. 720; Dr. p. 150; Gaz. vol. 135; p. 1014.
 Ruling device, Multiple-. P. C. Hayden. No. 891,692; June 23; Sp. p. 5108; Dr. p. 1102; Gaz. vol. 134; p. 1965.
 Ruling machine, Paper-. C. F. Taylor and G. M. McClellan. (Reissue.) No. 12,792; May 12; Sp. p. 2852; Dr. pp. 602-3; Gaz. vol. 134; p. 494.
 Ruling machines, Diagonal-ruling attachment for paper-. J. E. Foster. No. 900,674; Oct. 6; Sp. p. 1292; Dr. p. 264; Gaz. vol. 136; p. 1272.
 Ruling mechanism. D. W. Custer. No. 907,684; Dec. 22; Sp. p. 5073; Gaz. vol. 137; p. 1909.
 Runner, Detachable. C. F. Toennies. No. 892,777; July 7; Sp. p. 754; Dr. p. 159; Gaz. vol. 135; p. 130.
 Running-gear. A. F. Clark. No. 877,488; Jan. 28; Sp. p. 3688; Dr. p. 800; Gaz. vol. 132; p. 689.
 Running-gear. M. W. Heyenga. No. 882,826; Mar. 24; Sp. p. 4637; Dr. pp. 988-9; Gaz. vol. 133; p. 859.
 Running-gear. W. M. Hargrove. No. 895,368; Aug. 4; Sp. p. 1183; Dr. p. 248; Gaz. vol. 135; p. 1092.
 Running-gear. F. W. Bleckley. No. 899,199; Sept. 22; Sp. p. 3869; Dr. p. 827; Gaz. vol. 136; p. 724.
 Running-gear. D. W. Connell. No. 903,544; Nov. 10; Sp. p. 2026; Gaz. vol. 137; p. 362.
 Running-gear, Front. G. B. Babcock. No. 877,159; Jan. 21; Sp. p. 3042; Dr. p. 659; Gaz. vol. 132; p. 561.
 Running-switch and guide. T. J. Driver. No. 891,154; June 16; Sp. p. 3952; Dr. p. 867; Gaz. vol. 134; p. 1753.
 Sack cleaning and turning apparatus. A. Willmann and P. Hecht. No. 884,449; Apr. 14; Sp. p. 1577; Dr. pp. 339-40; Gaz. vol. 133; p. 1475.
 Sack-fastener. E. C. Fawcett and A. McKillop. No. 905,681; Dec. 1; Sp. p. 1127; Gaz. vol. 137; p. 1166.
 Sack-filling apparatus. C. E. Keeran. No. 893,516; July 14; Sp. p. 2292; Dr. p. 481; Gaz. vol. 135; p. 402.
 Sack-holder. W. C. Faires. No. 887,613; May 12; Sp. p. 2598; Dr. p. 548; Gaz. vol. 134; p. 448.
 Sack or bag fastener. L. J. Phillips. No. 899,612; Sept. 29; Sp. p. 4683; Dr. p. 1005; Gaz. vol. 136; p. 894.
 Sack-tie. W. T. Oxley. No. 896,142; Aug. 18; Sp. p. 2705; Dr. p. 584; Gaz. vol. 135; p. 1386.
 Sack-tie. J. E. Jamison. No. 905,880; Dec. 8; Sp. p. 1520; Gaz. vol. 137; p. 1263.
 Sack-iron. N. R. Streeter. No. 886,736; May 5; Sp. p. 823; Dr. p. 169; Gaz. vol. 134; p. 136.
 Sack-iron. A. L. Eccles. No. 894,943; Aug. 4; Sp. p. 335; Dr. pp. 67-8; Gaz. vol. 135; p. 949.
 Sack-iron. H. E. Asbury. No. 895,326; Aug. 4; Sp. p. 1111; Dr. p. 233; Gaz. vol. 135; p. 1078.
 Sack-iron. H. E. Asbury. No. 895,327; Aug. 4; Sp. p. 1112; Dr. p. 234; Gaz. vol. 135; p. 1079.
 Sack-iron. J. B. Morrison. No. 896,229; Aug. 18; Sp. p. 2872; Dr. p. 619; Gaz. vol. 135; p. 1416.
 Sack-iron. A. Luethi. No. 897,913; Sept. 8; Sp. p. 1384; Dr. p. 296; Gaz. vol. 136; p. 250.
 Sack-iron. J. M. Harper. No. 900,850; Oct. 13; Sp. p. 1662; Dr. p. 336; Gaz. vol. 136; p. 1356.
 Sack-iron. W. B. Simpson. No. 903,797; Nov. 13; Sp. p. 2531; Gaz. vol. 137; p. 442.
 Sack-iron. B. Mumby. No. 906,150; Dec. 8; Sp. p. 2036; Gaz. vol. 137; p. 1349.
 Sack-iron cover. R. C. Keron. No. 904,265; Nov. 17; Sp. p. 3541; Gaz. vol. 137; p. 633.
 Sack-iron, Electric. W. J. Barr. No. 876,253; Jan. 7; Sp. p. 1094; Dr. p. 238; Gaz. vol. 132; p. 186.
 Sack-iron, Electric. W. M. Harwood. No. 876,639; Jan. 14; Sp. p. 1978; Dr. p. 430; Gaz. vol. 132; p. 350.
 Sack-iron, Electrically-heated. H. Hertzberg and M. J. Wohl. No. 879,046; Feb. 11; Sp. p. 2361; Dr. p. 494; Gaz. vol. 132; p. 1258.
 Sack-iron, Electrically-heated. F. Kuhn. No. 887,947; May 19; Sp. p. 3276; Dr. p. 688; Gaz. vol. 134; p. 590.
 Sack-iron handle. J. H. Cox. No. 882,747; Mar. 24; Sp. p. 4489; Dr. p. 956; Gaz. vol. 133; p. 834.
 Sack-iron heater. J. A. Walker. No. 879,222; Feb. 18; Sp. p. 2727; Dr. p. 569; Gaz. vol. 132; p. 1356.
 Sack-iron heater. G. H. Gregory. No. 896,530; Aug. 18; Sp. p. 3495; Dr. p. 750; Gaz. vol. 135; p. 1514.
 Sack-iron heater. H. W. Russell. No. 901,744; Oct. 20; Sp. p. 3534; Dr. p. 715; Gaz. vol. 136; p. 1685.
 Sack-iron heater. G. W. Fallin. No. 901,797; Oct. 20; Sp. p. 3645; Dr. p. 737; Gaz. vol. 136; p. 1702.
 Sack-iron holder. G. W. Pfunder and A. E. Velguth. No. 906,065; Dec. 8; Sp. p. 1870; Gaz. vol. 137; p. 1320.
 Sack-iron holder, Inverted-. J. Shelton. No. 896,768; Aug. 25; Sp. p. 3968; Dr. p. 854; Gaz. vol. 135; p. 1612.
 Sack-iron, Self-heating. J. E. Fry. No. 880,514; Mar. 3; Sp. p. 41; Dr. p. 10; Gaz. vol. 133; p. 10.
 Sack-iron, Self-heating. T. Purvis. No. 898,922; Sept. 15; Sp. p. 3337; Dr. pp. 715-16; Gaz. vol. 136; p. 607.
 Sack-iron support. E. T. Jarrett. No. 907,501; Dec. 22; Sp. p. 4650; Gaz. vol. 137; p. 1849.
 Sack-iron waxer, polisher, and holder. A. Solomon. No. 883,250; Mar. 31; Sp. p. 5504; Dr. pp. 1173-4; Gaz. vol. 133; p. 1029.
 Saddle. J. Wittner. No. 886,670; May 5; Sp. p. 660; Dr. p. 137; Gaz. vol. 134; p. 113.
 Saddle, Harness-. J. Y. Gray. No. 883,192; Mar. 31; Sp. p. 5377; Dr. p. 1145; Gaz. vol. 133; p. 1009.
 Saddle, Harness-. G. W. Trego. No. 887,444; May 12; Sp. p. 2275; Dr. p. 477; Gaz. vol. 134; p. 393.
 Saddle, Pack-. K. F. Schaller. No. 893,199; July 14; Sp. p. 1647; Dr. p. 347-8; Gaz. vol. 135; p. 297.
 Saddle-post. C. Olson. No. 878,419; Feb. 4; Sp. p. 1056; Dr. p. 214; Gaz. vol. 132; p. 1022.
 Saddle, Riding-. J. G. Graf. No. 891,213; June 16; Sp. p. 4089; Dr. p. 898; Gaz. vol. 134; p. 1773.
 Saddle-spring. D. S. Troxel. No. 893,401; July 14; Sp. p. 2024; Dr. p. 425; Gaz. vol. 135; p. 364.
 Saddle, Top-roll. E. Dixon. No. 876,950; Jan. 21; Sp. p. 2599; Dr. p. 565; Gaz. vol. 132; p. 491.
 Saddle, Top-roll. L. T. Houghton. No. 879,641; Feb. 18; Sp. p. 3606; Dr. pp. 754-5; Gaz. vol. 132; p. 1493.
 Saddle, Top-roll. E. Dixon. No. 905,667; Dec. 1; Sp. p. 1099; Gaz. vol. 137; p. 1161.
 Saddle-tree-bar and steel fork. J. P. Wroe. No. 895,707; Aug. 11; Sp. p. 1855; Dr. p. 394; Gaz. vol. 135; p. 1226.
 Safe. C. U. Carpenter. No. 882,995; Mar. 24; Sp. p. 4984; Dr. pp. 1059-60; Gaz. vol. 133; p. 915.
 Safe. W. E. Arnold. No. 894,932; Aug. 4; Sp. p. 319; Dr. p. 64; Gaz. vol. 135; p. 945.
 Safe. T. W. Nygreen. No. 895,581; Aug. 11; Sp. p. 1611; Dr. p. 340; Gaz. vol. 135; p. 1184.
 Safe. J. Baum. No. 900,696; Oct. 13; Sp. p. 1344; Dr. p. 275; Gaz. vol. 136; p. 1306.
 Safe. T. M. Brintnall and N. R. Doolittle. No. 902,051; Oct. 27; Sp. p. 4154; Dr. p. 842; Gaz. vol. 136; p. 1812.
 Safe. L. N. Davis. No. 903,456; Nov. 10; Sp. p. 1831; Gaz. vol. 137; p. 333.
 Safe. C. J. Aebi. No. 907,710; Dec. 29; Sp. p. 5122; Gaz. vol. 137; p. 1947.
 Safe and vault. W. F. Schultz. No. 881,031; Mar. 3; Sp. p. 1080; Dr. p. 235; Gaz. vol. 133; p. 184.
 Safe and vault, Burglar-proof. W. Brinton. No. 882,620; Mar. 24; Sp. p. 4236; Dr. p. 898; Gaz. vol. 133; p. 792.
 Safe and vault construction. W. F. Schultz. No. 881,032; Mar. 3; Sp. p. 1081; Dr. p. 235; Gaz. vol. 133; p. 185.
 Safe, Burglar-proof. B. Walters. No. 893,288; July 14; Sp. p. 1822; Dr. p. 382; Gaz. vol. 135; p. 328.
 Safe-closing means. G. A. Hattersley. No. 905,180; Dec. 1; Sp. p. 113; Gaz. vol. 137; p. 1002.
 Safe construction. T. S. Spivey. No. 903,800; Nov. 10; Sp. p. 2534; Gaz. vol. 137; p. 443.
 Safe-deposit boxes, Cover for. H. W. Holder. No. 886,213; Apr. 28; Sp. p. 5217; Dr. p. 1098; Gaz. vol. 133; p. 2109.
 Safe-door. D. H. Riggan. No. 900,311; Oct. 6; Sp. p. 510; Dr. p. 106; Gaz. vol. 136; p. 1153.
 Safe, Folding. F. Additon. No. 889,741; June 2; Sp. p. 1082; Dr. p. 250; Gaz. vol. 134; p. 1233.
 Safe-jacket, Burglar-proof. J. W. Vaughan and W. C. Bryan. No. 888,052; May 19; Sp. p. 3473; Dr. pp. 727-8; Gaz. vol. 134; p. 623.
 Safe or vault door. E. A. Strauss. No. 901,047; Oct. 13; Sp. p. 2060; Dr. p. 419; Gaz. vol. 136; p. 1419.
 Safe, Screw-door. C. E. Blechschmidt. No. 894,180; July 28; Sp. p. 3769; Dr. p. 781; Gaz. vol. 135; p. 670.
 Safe, vault, &c. A. W. Marr. No. 891,275; June 23; Sp. p. 4228; Dr. pp. 925-6; Gaz. vol. 134; p. 1826.
 Safe, vault, &c. A. W. Marr. No. 891,276; June 23; Sp. p. 4229; Dr. pp. 926-7; Gaz. vol. 134; p. 1826.
 Safe, vault, &c. W. C. Fuller. No. 892,514; July 7; Sp. p. 246; Dr. p. 52; Gaz. vol. 135; p. 45.
 Safe, Wall-. G. W. Anderson. No. 891,969; June 30; Sp. p. 5685; Dr. p. 1224; Gaz. vol. 134; p. 2089.
 Safety appliances, Device operated by controller reverse-lever for automatically operating. A. J. Gairing. No. 889,219; June 2; Sp. p. 64; Dr. p. 14; Gaz. vol. 134; p. 1067.
 Safety device. L. Liptai. No. 878,969; Feb. 11; Sp. p. 2224; Dr. p. 466; Gaz. vol. 132; p. 1234.
 Safety device. E. J. Clarke and P. Dewitt. No. 893,053; July 14; Sp. p. 1356; Dr. pp. 286-7; Gaz. vol. 135; p. 251.
 Safety device or saw-guard. G. Schubert. No. 899,567; Sept. 29; Sp. p. 4595; Dr. p. 987; Gaz. vol. 136; p. 880.

Alphabetical list of inventions—Continued.

- Safety-elevator. A. J. Worthen. No. 898,298; Sept. 8; Sp. p. 2151; Dr. p. 457; Gaz. vol. 136; p. 371.
 Safety-elevator. H. Watson. No. 899,362; Sept. 22; Sp. p. 4185; Dr. p. 896; Gaz. vol. 136; p. 776.
 Safety-elevator. J. R. Norman. No. 900,878; Oct. 13; Sp. p. 1724; Dr. p. 348; Gaz. vol. 136; p. 1364.
 Safety-hook, Readily-detachable. J. J. Haviside, Jr. No. 906,226; Dec. 8; Sp. p. 2191; Gaz. vol. 137; p. 1374.
 Safety-limit switch. H. A. Everett and A. Parker. No. 881,565; Mar. 10; Sp. p. 2127; Dr. p. 464; Gaz. vol. 133; p. 387.
 Safety-lock. J. Herr. No. 907,234; Dec. 22; Sp. p. 4119; Gaz. vol. 137; p. 1758.
 Safety-pin. H. Kaspar and J. Krejci. No. 877,085; Jan. 21; Sp. p. 2875; Dr. p. 621; Gaz. vol. 132; p. 536.
 Safety-pin. L. J. Castiau. No. 880,972; Mar. 3; Sp. p. 975; Dr. p. 210; Gaz. vol. 133; p. 165.
 Safety-pin. A. W. Straight. No. 882,917; Mar. 24; Sp. p. 4832; Dr. p. 1025; Gaz. vol. 133; p. 889.
 Safety-pin. J. E. Singleton. No. 883,429; Mar. 31; Sp. p. 5889; Dr. p. 1256; Gaz. vol. 133; p. 1087.
 Safety-pin. A. G. Kaufman. No. 891,426; June 23; Sp. p. 4549; Dr. p. 989; Gaz. vol. 134; p. 1876.
 Safety-pin. H. H. Taylor. No. 894,241; July 28; Sp. p. 3900; Dr. p. 806; Gaz. vol. 135; p. 691.
 Safety-pin. L. W. King. No. 896,214; Aug. 18; Sp. p. 2843; Dr. p. 612; Gaz. vol. 135; p. 1411.
 Safety-pin. S. Pearl. No. 897,136; Aug. 25; Sp. p. 4762; Dr. p. 1014; Gaz. vol. 135; p. 1736.
 Safety-pin. F. V. Gage and H. T. Hazard. No. 899,106; Sept. 22; Sp. p. 3677; Dr. p. 787; Gaz. vol. 136; p. 694.
 Safety-pin attachment. I. Nielsen. No. 890,442; June 9; Sp. p. 2509; Dr. p. 555; Gaz. vol. 134; p. 1489.
 Safety-pin-making machine. G. L. Hoxie. No. 887,640; May 12; Sp. p. 2657; Dr. pp. 560-1; Gaz. vol. 134; p. 458.
 Safety-switch, Automatic. J. Thornton and I. Wertheimer. No. 903,631; Nov. 10; Sp. p. 2206; Gaz. vol. 137; p. 390.
 Safety system, Electric. H. A. Hill. No. 876,804; Jan. 14; Sp. p. 2259; Dr. p. 497; Gaz. vol. 132; p. 401.
 Sagers and the like, Die for. G. W. Thomas. No. 878,910; Feb. 11; Sp. p. 2123; Dr. p. 443; Gaz. vol. 132; p. 1216.
 Sail-boom. P. Tatchell. No. 879,986; Feb. 25; Sp. p. 4335; Dr. pp. 908-9; Gaz. vol. 132; p. 1639.
 Sail-hank. S. A. Jackson. No. 900,737; Oct. 13; Sp. p. 1425; Dr. p. 289; Gaz. vol. 136; p. 1319.
 Sales-check, Manifest. F. Thomas. No. 905,606; Dec. 1; Sp. p. 994; Gaz. vol. 137; p. 1142.
 Scales-strip, Continuous. J. R. Williams. No. 895,527; Aug. 11; Sp. p. 1511; Dr. p. 320; Gaz. vol. 135; p. 1168.
 Salt and pepper holder. J. T. Stapleton. No. 898,150; Sept. 8; Sp. p. 1872; Dr. p. 390; Gaz. vol. 136; p. 325.
 Salt and pepper shaker. O. O. De Hayes. No. 903,548; Nov. 10; Sp. p. 2034; Gaz. vol. 137; p. 364.
 Salt and pepper shaker, Combined. C. R. Byam. No. 897,453; Sept. 1; Sp. p. 437; Dr. p. 94; Gaz. vol. 136; p. 69.
 Salt-cellar. P. A. Peterson. No. 888,652; May 26; Sp. p. 4670; Dr. p. 992; Gaz. vol. 134; p. 852.
 Salt-cellar. F. A. Dinsmore. No. 899,716; Sept. 29; Sp. p. 4893; Dr. p. 1050; Gaz. vol. 136; p. 926.
 Salt-cellar. W. Bumm. No. 900,911; Oct. 13; Sp. p. 1794; Dr. p. 363; Gaz. vol. 136; p. 1375.
 Salt for domestic and other uses, Preparation of common. G. T. Holloway. No. 902,403; Oct. 27; Sp. p. 4876; Gaz. vol. 136; p. 1927.
 Salt-holder. H. W. Comstock. No. 895,845; Aug. 11; Sp. p. 2151; Dr. p. 456; Gaz. vol. 135; p. 1270.
 Salt-making machinery. P. L. Clifton. No. 903,358; Nov. 10; Sp. p. 1640; Gaz. vol. 137; p. 301.
 Salt, Manufacturing. P. L. Clifton. No. 895,726; Aug. 11; Sp. p. 1908; Dr. p. 405; Gaz. vol. 135; p. 1233.
 Salt, Manufacturing. P. L. Clifton. No. 903,357; Nov. 10; Sp. p. 1638; Gaz. vol. 137; p. 300.
 Salt-shaker. A. Cohencius. No. 888,066; May 19; Sp. p. 3494; Dr. p. 732; Gaz. vol. 134; p. 627.
 Salt-trough. A. R. Hoffmann. No. 886,806; May 5; Sp. p. 972; Dr. p. 204; Gaz. vol. 134; p. 158.
 Salts, Electrolyzing. J. Whiting. No. 877,537; Jan. 25; Sp. p. 3799; Dr. pp. 822-3; Gaz. vol. 132; p. 706.
 Salts from solutions, Extracting. H. M. Crowther. No. 877,912; Feb. 4; Sp. p. 36; Gaz. vol. 132; p. 854.
 Salts, Making neutral oxyehinolin. L. Ostermann. No. 906,918; Dec. 15; Sp. p. 3480; Gaz. vol. 137; p. 1621.
 Salts or compounds, Electrolysis of fluid. H. S. Blackmore. No. 884,124; Apr. 7; Sp. p. 952; Dr. p. 199; Gaz. vol. 133; p. 1340.
 Salver. J. L. Wareham. No. 890,642; Sept. 29; Sp. p. 4758; Dr. p. 1018; Gaz. vol. 136; p. 904.
 Sample-displaying apparatus. G. E. Fariss. No. 906,210; Dec. 8; Sp. p. 2150; Gaz. vol. 137; p. 1368.
 Sample-holder. J. F. Sadler. No. 877,599; Jan. 28; Sp. p. 3935; Dr. p. 851; Gaz. vol. 132; p. 726.
 Sample-holder. I. J. Kornik. No. 886,521; May 5; Sp. p. 356; Dr. p. 74; Gaz. vol. 134; p. 65.
 Sample-taking machine. A. Fenstermaker. No. 887,615; May 12; Sp. p. 2600; Dr. p. 548; Gaz. vol. 134; p. 440.
 Sand-blast apparatus. J. F. Hay. No. 879,102; Feb. 11; Sp. p. 2486; Dr. p. 518; Gaz. vol. 132; p. 1275.
 Sand-blast apparatus. A. Jorn, Jr. No. 894,272; July 28; Sp. p. 3976; Dr. p. 820; Gaz. vol. 135; p. 702.
 Sand-blast, Hand-operated. H. Mikorey. No. 882,645; Mar. 24; Sp. p. 4286; Dr. p. 909; Gaz. vol. 133; p. 801.
 Sand-blast machine. G. S. Slocum. No. 880,337; Feb. 25; Sp. p. 5037; Dr. pp. 1062-3; Gaz. vol. 132; p. 1755.
 Sand-box. T. M. Underwood. No. 885,110; Apr. 21; Sp. p. 2947; Dr. p. 625; Gaz. vol. 133; p. 1720.
 Sand-drier, Centrifugal. C. S. Lee. No. 882,256; Mar. 17; Sp. p. 3541; Dr. p. 751; Gaz. vol. 133; p. 639.
 Sand mold and flask therefor. W. D. Berry. No. 906,501; Dec. 15; Sp. p. 2689; Gaz. vol. 137; p. 1489.
 Sand-mold-charging apparatus. W. H. Wangelin. No. 899,640; Sept. 29; Sp. p. 4753; Dr. p. 1017; Gaz. vol. 136; p. 903.
 Sand-mold-forming machine. F. Herbert. No. 877,998; Feb. 4; Sp. p. 199; Dr. p. 45; Gaz. vol. 132; p. 883.
 Sand-mold-forming machine. W. C. Swift. No. 878,470; Feb. 4; Sp. p. 1154; Dr. p. 236; Gaz. vol. 132; p. 1039.
 Sand-mold machine. W. C. Swift. No. 878,471; Feb. 4; Sp. p. 1162; Dr. p. 236; Gaz. vol. 132; p. 1039.
 Sand-mold-making apparatus. C. Morgan. No. 887,416; May 12; Sp. p. 2223; Dr. p. 465; Gaz. vol. 134; p. 384.
 Sand-mold-making machine. F. Herbert. No. 877,999; Feb. 4; Sp. p. 204; Dr. p. 45; Gaz. vol. 132; p. 883.
 Sand molds, Making. C. Morgan. No. 887,415; May 12; Sp. p. 2222; Dr. p. 464; Gaz. vol. 134; p. 384.
 Sand-molding machine. J. J. McClelland. No. 903,605; Nov. 10; Sp. p. 2153; Gaz. vol. 137; p. 382.
 Sand or abrasive paper holder. C. C. Sadler. No. 905,464; Dec. 1; Sp. p. 705; Gaz. vol. 137; p. 1097.
 Sandal, Antislipping. J. W. Piersch. No. 906,064; Dec. 8; Sp. p. 1869; Gaz. vol. 137; p. 1320.
 Sander. J. H. Hanlon. No. 892,151; June 30; Sp. p. 6024; Dr. p. 1294; Gaz. vol. 134; p. 2146.
 Sander, Automatic. H. M. Williams and E. Isaacs. No. 886,910; May 5; Sp. p. 1149; Dr. p. 242; Gaz. vol. 134; p. 188.
 Sanding, abrading or polishing machine. W. J. Maddox. No. 878,649; Feb. 11; Sp. p. 1629; Dr. pp. 332-3; Gaz. vol. 132; p. 1132.
 Sanding device. B. C. Loring. No. 879,658; Feb. 18; Sp. p. 3641; Dr. p. 761; Gaz. vol. 132; p. 1498.
 Sanding device. T. T. Vest. No. 892,198; June 30; Sp. p. 6114; Dr. pp. 1314-15; Gaz. vol. 134; p. 2162.
 Sanding device. H. F. Mentzel and J. H. Moser. No. 897,985; Sept. 8; Sp. p. 1546; Dr. p. 328; Gaz. vol. 136; p. 274.
 Sanding-machine. E. H. Mullikin. No. 885,069. Apr. 21; Sp. p. 2866; Dr. p. 608; Gaz. vol. 133; p. 1708.
 Sanding-machine. F. L. Lane. No. 889,468; June 2; Sp. p. 571; Dr. pp. 133-4; Gaz. vol. 134; p. 1148.
 Sanding-machine attachment. W. Munch. No. 885,275; Apr. 21; Sp. p. 3312; Dr. p. 692; Gaz. vol. 133; p. 1776.
 Sanding tables. F. W. Niemann. No. 877,112; Jan. 21; Sp. p. 2932; Dr. p. 634; Gaz. vol. 132; p. 545.
 Sandpaper-machine. J. T. Brantley. No. 880,965; Mar. 3; Sp. p. 964; Dr. p. 208; Gaz. vol. 133; p. 163.
 Sandpapering-machine. G. Herrmann. No. 880,663; Mar. 3; Sp. p. 347; Dr. pp. 76-7; Gaz. vol. 133; p. 61.
 Sandpapering-machine. J. P. Simmons. No. 889,554; June 2; Sp. p. 730; Dr. p. 168; Gaz. vol. 134; p. 1174.
 Sandpapering-machine. E. A. Soules. No. 890,463; June 9; Sp. p. 2539; Dr. pp. 561-2; Gaz. vol. 134; p. 1495.
 Sandpapering-machine. J. L. Perry. No. 891,950; June 30; Sp. p. 5652; Dr. pp. 1217-18; Gaz. vol. 134; p. 2083.
 Sandpapering-machine drum. J. L. Perry. No. 891,857; June 30; Sp. p. 5454; Dr. p. 1179; Gaz. vol. 134; p. 2051.
 Sandpapering machine, Floor-. F. Harbers. No. 891,251; June 23; Sp. p. 4179; Dr. pp. 915-16; Gaz. vol. 134; p. 1818.
 Sandpapering-machines, Means for lubricating. J. L. Perry. No. 876,911; Jan. 14; Sp. p. 2480; Dr. p. 542; Gaz. vol. 132; p. 437.
 Sanitary appliance. J. H. McCall. No. 882,410; Mar. 17; Sp. p. 3817; Dr. p. 816; Gaz. vol. 133; p. 690.
 Sanitary protector. A. M. Aiken. No. 899,196; Sept. 22; Sp. p. 3866; Dr. p. 826; Gaz. vol. 136; p. 723.
 Sanitary receptacle. R. W. Pritchard. No. 907,875; Dec. 29; Sp. p. 5443; Gaz. vol. 137; p. 2002.
 Sap-collecting device. J. V. Dupin and J. M. Anizan. No. 908,222; Dec. 29; Sp. p. 6213; Gaz. vol. 137; p. 2118.
 Sap-collector. M. Hall. No. 876,174; Jan. 7; Sp. p. 948; Dr. p. 204; Gaz. vol. 132; p. 161.
 Sap-collector. J. F. O'Connor. No. 887,012; May 5; Sp. p. 1333; Dr. p. 284; Gaz. vol. 134; p. 222.
 Sap or gum extractor. C. Varnadore. No. 884,055; Apr. 7; Sp. p. 780; Dr. p. 163; Gaz. vol. 133; p. 1318.
 Sap-receiving receptacle. E. A. McKoy. (Reissue.) No. 12,810; June 9; Sp. p. 2815; Dr. p. 620; Gaz. vol. 134; p. 1540.
 Sap-receptacle. S. W. Holland. No. 880,142; Feb. 25; Sp. p. 4647; Dr. p. 981; Gaz. vol. 132; p. 1689.
 Sash-adjuster. J. W. Bishop, Jr. No. 899,783; Sept. 29; Sp. p. 5051; Dr. p. 1082; Gaz. vol. 136; p. 950.
 Sash and blind lock, Combined. C. N. Kalstrom. No. 881,694; Mar. 10; Sp. p. 2380; Dr. p. 516; Gaz. vol. 133; p. 428.
 Sash and frame, Window. D. W. Wilson. No. 908,183; Dec. 29; Sp. p. 6099; Gaz. vol. 137; p. 2104.
 Sash and screen fastener. W. O. Hays. No. 899,045; Sept. 22; Sp. p. 3563; Dr. p. 763; Gaz. vol. 136; p. 673.
 Sash attachment, Window-. H. Junge. No. 899,406; Sept. 22; Sp. p. 4261; Dr. p. 914; Gaz. vol. 136; p. 190.
 Sash automatic closing attachment, Window-. G. Schwing. No. 901,390; Oct. 20; Sp. p. 2763; Dr. p. 563; Gaz. vol. 136; p. 1567.
 Sash-balance. E. M. Erb. No. 881,783; Mar. 10; Sp. p. 2555; Dr. p. 549; Gaz. vol. 133; p. 456.
 Sash-balance. M. J. Daly and T. S. Leake. No. 884,472; Apr. 14; Sp. p. 1625; Dr. p. 350; Gaz. vol. 133; p. 1482.
 Sash-balance. C. H. Occumpaugh. No. 891,723; June 23; Sp. p. 5166; Dr. p. 1115; Gaz. vol. 134; p. 1975.
 Sash-balance. S. E. Parks. No. 901,553; Oct. 20; Sp. p. 3118; Dr. p. 637; Gaz. vol. 136; p. 1621.
 Sash-balance. E. J. Reilly. No. 905,580; Dec. 1; Sp. p. 945; Gaz. vol. 137; p. 1134.
 Sash balance and lock. A. S. Bradley. No. 894,182; July 28; Sp. p. 3776; Dr. p. 782; Gaz. vol. 135; p. 671.

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- Sash balance, Window-. S. Carlson, S. Johnson, and O. Olson. No. 908,202; Dec. 29; Sp. p. 6162; Gaz. vol. 137; p. 2111.
- Sash-balancing device. A. Moie. No. 878,983; Feb. 11; Sp. p. 2253; Dr. p. 471; Gaz. vol. 132; p. 1238.
- Sash-center. R. Kellin and E. Anderson. No. 907,151; Dec. 22; Sp. p. 3932; Gaz. vol. 137; p. 1730.
- Sash-center. C. D. Tabor. No. 908,046; Dec. 29; Sp. p. 5809; Gaz. vol. 137; p. 2056.
- Sash-chain fastener. J. H. Sayres. No. 884,344; Apr. 7; Sp. p. 1353; Dr. p. 289; Gaz. vol. 133; p. 1410.
- Sash. Convertible window-. H. J. Foltz. No. 876,050; Jan. 7; Sp. p. 700; Dr. p. 150; Gaz. vol. 132; p. 121.
- Sash-cord guide. J. M. Martin and E. J. Faires. No. 884,184; Apr. 7; Sp. p. 1082; Dr. p. 225; Gaz. vol. 133; p. 1360.
- Sash cord or chain holder. G. H. Parker. No. 893,011; July 14; Sp. p. 1276; Dr. pp. 268-9; Gaz. vol. 135; p. 238.
- Sash-fastener. R. Flemming, Jr. No. 875,904; Jan. 7; Sp. p. 430; Dr. p. 95; Gaz. vol. 132; p. 78.
- Sash-fastener. C. H. Messick. No. 876,209; Jan. 7; Sp. p. 1012; Dr. p. 220; Gaz. vol. 132; p. 172.
- Sash-fastener. F. H. Bleyer. No. 876,429; Jan. 14; Sp. p. 1498; Dr. p. 322; Gaz. vol. 132; p. 276.
- Sash-fastener. W. W. Klima. No. 877,722; Jan. 28; Sp. p. 4162; Dr. p. 901; Gaz. vol. 132; p. 765.
- Sash-fastener. B. B. Turner. No. 877,803; Jan. 28; Sp. p. 4310; Dr. pp. 935-6; Gaz. vol. 132; p. 792.
- Sash-fastener. J. B. Kelley. No. 879,271; Feb. 18; Sp. p. 2820; Dr. p. 591; Gaz. vol. 132; p. 1373.
- Sash-fastener. G. Zelfif. No. 882,135; Mar. 17; Sp. p. 3298; Dr. p. 704; Gaz. vol. 133; p. 601.
- Sash-fastener. J. M. Urick. No. 883,593; Mar. 31; Sp. p. 6210; Dr. p. 1324; Gaz. vol. 133; p. 1137.
- Sash-fastener. T. Wertz. No. 884,115; Apr. 7; Sp. p. 931; Dr. p. 196; Gaz. vol. 133; p. 1337.
- Sash-fastener. C. S. Whipple. No. 885,116; Apr. 21; Sp. p. 2976; Dr. p. 628; Gaz. vol. 133; p. 1723.
- Sash-fastener. F. A. Staples and L. Möller. No. 885,393; Apr. 21; Sp. p. 3565; Dr. p. 747; Gaz. vol. 133; p. 1816.
- Sash-fastener. S. E. Sterrett. No. 887,354; May 12; Sp. p. 2077; Dr. p. 435; Gaz. vol. 134; p. 364.
- Sash-fastener. L. Pearce. No. 887,690; May 12; Sp. p. 2742; Dr. p. 580; Gaz. vol. 134; p. 474.
- Sash-fastener. A. Van Duzer. No. 888,369; May 19; Sp. p. 4067; Dr. p. 857; Gaz. vol. 134; p. 724.
- Sash-fastener. A. Van Duzer. No. 888,370; May 19; Sp. p. 4068; Dr. p. 857; Gaz. vol. 134; p. 724.
- Sash-fastener. W. J. Mutchell. No. 892,537; July 7; Sp. p. 281; Dr. p. 62; Gaz. vol. 135; p. 53.
- Sash-fastener. C. V. Walker. No. 893,768; July 21; Sp. p. 2903; Dr. p. 596; Gaz. vol. 135; p. 516.
- Sash-fastener. D. W. Collison and G. Matthews. No. 897,352; Sept. 1; Sp. p. 208; Dr. p. 44; Gaz. vol. 136; p. 32.
- Sash-fastener. R. Daubaignan. No. 897,719; Sept. 1; Sp. p. 970; Dr. p. 207; Gaz. vol. 136; p. 155.
- Sash-fastener. L. A. Bittor. No. 900,079; Oct. 6; Sp. p. 11; Dr. p. 2; Gaz. vol. 136; p. 1076.
- Sash-fastener. H. Atwater. No. 901,771; Oct. 20; Sp. p. 3591; Dr. p. 726; Gaz. vol. 136; p. 1693.
- Sash-fastener. W. S. Atkins. No. 903,265; Nov. 10; Sp. p. 1468; Gaz. vol. 137; p. 271.
- Sash-fastener. P. C. Mellichamp. No. 903,393; Nov. 10; Sp. p. 1703; Gaz. vol. 137; p. 311.
- Sash-fastener. W. J. Days and H. W. Richardson. No. 908,398; Dec. 29; Sp. p. 6565; Gaz. vol. 137; p. 2178.
- Sash fastener and lift, Combined. B. F. Thompson. No. 880,600; Mar. 3; Sp. p. 230; Dr. p. 48; Gaz. vol. 133; p. 40.
- Sash fastener or lock. F. Mised. No. 904,347; Nov. 17; Sp. p. 3725; Gaz. vol. 137; p. 662.
- Sash fastener, Storm or screen. J. G. Ralph. No. 898,923; Sept. 15; Sp. p. 3339; Dr. p. 716; Gaz. vol. 136; p. 607.
- Sash fastener, Window-. E. B. De La Matyr. No. 878,781; Feb. 11; Sp. p. 1882; Dr. p. 388; Gaz. vol. 132; p. 1176.
- Sash fastener, Window-. R. E. Henningsen. No. 880,214; Feb. 25; Sp. p. 4798; Dr. p. 1016; Gaz. vol. 132; p. 1714.
- Sash fastener, Window-. W. J. Hills. No. 880,530; Mar. 3; Sp. p. 71; Dr. p. 17; Gaz. vol. 133; p. 15.
- Sash fastener, Window-. C. W. Prouty. No. 889,261; June 2; Sp. p. 132; Dr. p. 33; Gaz. vol. 134; p. 1080.
- Sash fastener, Window-. R. Henry. No. 903,975; Nov. 17; Sp. p. 2925; Gaz. vol. 137; p. 534.
- Sash fastener, Window-. H. Osborne. No. 904,145; Nov. 17; Sp. p. 3272; Gaz. vol. 137; p. 593.
- Sash fastener, Window-. J. S. Rapson. No. 907,525; Dec. 22; Sp. p. 4689; Gaz. vol. 137; p. 1856.
- Sash-hanger. J. W. Cooper. No. 895,162; Aug. 4; Sp. p. 768; Dr. p. 160; Gaz. vol. 135; p. 1022.
- Sash-holder. A. H. Marden. No. 884,099; Apr. 7; Sp. p. 872; Dr. p. 183; Gaz. vol. 133; p. 1332.
- Sash-holder. W. M. Dight. No. 893,904; July 21; Sp. p. 3186; Dr. p. 654; Gaz. vol. 135; p. 560.
- Sash-holder. E. E. Gabbart. No. 896,528; Aug. 18; Sp. p. 3493; Dr. p. 750; Gaz. vol. 135; p. 1513.
- Sash-holder. R. T. Taylor. No. 903,622; Nov. 10; Sp. p. 2192; Gaz. vol. 137; p. 387.
- Sash-holder. E. T. Gaskill. No. 904,419; Nov. 17; Sp. p. 3853; Gaz. vol. 137; p. 685.
- Sash-holder. F. Lenkey and J. Szalay. No. 907,331; Dec. 22; Sp. p. 4398; Gaz. vol. 137; p. 1809.
- Sash-holder and sash-lift, Combined. E. T. Robinson. No. 890,464; Aug. 18; Sp. p. 3356; Dr. p. 723; Gaz. vol. 135; p. 1492.
- Sash-lifter. W. R. Bull. No. 892,644; July 7; Sp. p. 488; Dr. p. 104; Gaz. vol. 135; p. 87.
- Sash lifting and locking appliance, Window-. T. E. Carter. No. 901,680; Oct. 20; Sp. p. 3374; Dr. p. 691; Gaz. vol. 136; p. 1662.
- Sash-lock. J. G. Keith. No. 878,833; Feb. 11; Sp. p. 2067; Dr. p. 429; Gaz. vol. 132; p. 1207.
- Sash-lock. J. H. Barton. No. 879,078; Feb. 11; Sp. p. 2425; Dr. p. 508; Gaz. vol. 132; p. 1267.
- Sash-lock. L. S. Mattox. No. 880,318; Feb. 25; Sp. p. 5005; Dr. p. 1056; Gaz. vol. 132; p. 1749.
- Sash-lock. W. H. Culp. No. 881,177; Mar. 10; Sp. p. 1361; Dr. p. 293; Gaz. vol. 133; p. 261.
- Sash-lock. G. W. Stewart. No. 881,354; Mar. 10; Sp. p. 1722; Dr. p. 371; Gaz. vol. 133; p. 319.
- Sash-lock. J. W. Bowman. No. 881,658; Mar. 10; Sp. p. 2328; Dr. p. 504; Gaz. vol. 133; p. 418.
- Sash-lock. R. Heine. No. 884,581; Apr. 14; Sp. p. 1844; Dr. p. 396; Gaz. vol. 133; p. 1517.
- Sash-lock. W. G. Allen. No. 886,108; Apr. 28; Sp. p. 5026; Dr. p. 1057; Gaz. vol. 133; p. 2075.
- Sash-lock. F. I. Fischer. No. 887,321; May 12; Sp. p. 2021; Dr. p. 423; Gaz. vol. 134; p. 354.
- Sash-lock. H. Neumann. No. 887,420; May 12; Sp. p. 2233; Dr. p. 467; Gaz. vol. 134; p. 386.
- Sash-lock. O. E. Lamberson. No. 888,911; May 26; Sp. p. 5234; Dr. p. 1110; Gaz. vol. 134; p. 937.
- Sash-lock. W. Zander. No. 890,009; June 9; Sp. p. 1626; Dr. p. 364; Gaz. vol. 134; p. 1348.
- Sash-lock. H. W. Covert. No. 891,818; June 30; Sp. p. 5380; Dr. p. 1164; Gaz. vol. 134; p. 2038.
- Sash-lock. M. A. Berman. No. 892,797; July 7; Sp. p. 793; Dr. p. 168; Gaz. vol. 135; p. 136.
- Sash-lock. F. W. Barber and I. G. French. No. 894,571; July 28; Sp. p. 4580; Dr. p. 949; Gaz. vol. 135; p. 801.
- Sash-lock. A. N. Porter. No. 895,193; Aug. 4; Sp. p. 835; Dr. p. 176; Gaz. vol. 135; p. 1033.
- Sash-lock. E. S. Prior. No. 897,145; Aug. 25; Sp. p. 4784; Dr. p. 1019; Gaz. vol. 135; p. 1739.
- Sash-lock. E. Wimer. No. 897,807; Sept. 1; Sp. p. 1155; Dr. p. 246; Gaz. vol. 136; p. 183.
- Sash-lock. C. L. Hobbs. No. 901,102; Oct. 13; Sp. p. 2168; Dr. p. 441; Gaz. vol. 136; p. 1436.
- Sash-lock. W. D. Rankins. No. 901,470; Oct. 20; Sp. p. 2947; Dr. p. 601; Gaz. vol. 136; p. 1594.
- Sash-lock. J. Vock. No. 903,519; Nov. 10; Sp. p. 1970; Gaz. vol. 137; p. 354.
- Sash-lock. H. Buttress. No. 905,984; Dec. 8; Sp. p. 1721; Gaz. vol. 137; p. 1294.
- Sash-lock. O. Gunther. No. 907,493; Dec. 22; Sp. p. 4637; Gaz. vol. 137; p. 1847.
- Sash lock and adjuster. T. Richards. No. 881,719; Mar. 10; Sp. p. 2448; Dr. p. 526; Gaz. vol. 133; p. 456.
- Sash lock and antirattler. A. Bennerseheidt. No. 885,568; Apr. 21; Sp. p. 3917; Dr. p. 817; Gaz. vol. 133; p. 1868.
- Sash lock and tightener. H. O. Wolff. No. 894,767; July 28; Sp. p. 4943; Dr. p. 1030; Gaz. vol. 135; p. 863.
- Sash-lock or window-fastener. L. Vander Weel. No. 878,697; Feb. 11; Sp. p. 1708; Dr. pp. 353-4; Gaz. vol. 132; p. 1147.
- Sash-lock, Self-locking. A. Gorman. No. 885,239; Apr. 21; Sp. p. 3244; Dr. p. 677; Gaz. vol. 133; p. 1764.
- Sash lock, Window-. M. H. Gaba. No. 883,712; Apr. 7; Sp. p. 71; Dr. p. 11; Gaz. vol. 133; p. 1204.
- Sash lock, Window-. J. Rumery. No. 886,254; Apr. 28; Sp. p. 5289; Dr. p. 1114; Gaz. vol. 133; p. 2122.
- Sash lock, Window-. J. B. Snyder. No. 887,135; May 12; Sp. p. 1581; Dr. p. 336; Gaz. vol. 134; p. 290.
- Sash lock, Window-. H. Rentner. No. 893,195; July 14; Sp. p. 1641; Dr. p. 346; Gaz. vol. 135; p. 296.
- Sash lock, Window-. A. W. Steele. No. 895,808; Aug. 11; Sp. p. 2081; Dr. p. 440; Gaz. vol. 135; p. 1258.
- Sash mechanism, Ventilator-. F. D. Moon. No. 901,544; Oct. 20; Sp. p. 3105; Dr. p. 634; Gaz. vol. 136; p. 1618.
- Sash, Metal window-. A. H. Sisson. No. 878,830; Feb. 11; Sp. p. 1967; Dr. p. 408; Gaz. vol. 132; p. 1190.
- Sash, Metal window-. E. Flagg. No. 887,440; May 12; Sp. p. 1795; Dr. pp. 377-8; Gaz. vol. 134; p. 323.
- Sash, Metal window-. E. Flagg. No. 887,470; May 12; Sp. p. 2328; Dr. pp. 487-8; Gaz. vol. 134; p. 462.
- Sash, Metal window-. E. Flagg. No. 887,738; May 12; Sp. p. 2834; Dr. pp. 599-600; Gaz. vol. 134; p. 492.
- Sash, Metal window-. E. A. Sanders. No. 897,414; Sept. 1; Sp. p. 362; Dr. p. 76; Gaz. vol. 136; p. 56.
- Sash, Metallic window-. E. H. Johnson. No. 876,556; Jan. 14; Sp. p. 1769; Dr. p. 386; Gaz. vol. 132; p. 320.
- Sash opening and closing device, Window-. A. Plass. No. 876,487; Jan. 14; Sp. p. 1622; Dr. pp. 351-2; Gaz. vol. 132; p. 296.
- Sash-operating mechanism. W. F. Plass. No. 889,544; June 2; Sp. p. 704; Dr. p. 162; Gaz. vol. 134; p. 1170.
- Sash-pivot. F. Bogenberger. No. 897,449; Sept. 1; Sp. p. 429; Dr. p. 92; Gaz. vol. 136; p. 67.
- Sash, Slidable and swinging window-. B. Hausmann. No. 899,731; Sept. 29; Sp. p. 4927; Dr. pp. 1056-7; Gaz. vol. 136; p. 931.
- Sash-stop. M. M. Bagby. No. 892,970; July 7; Sp. p. 1161; Dr. p. 244; Gaz. vol. 135; p. 195.
- Sash support, Window-. S. B. Storms. No. 899,273; Sept. 22; Sp. p. 4036; Dr. p. 862; Gaz. vol. 136; p. 748.
- Sash-weight. C. E. Rhorer. No. 879,906; Feb. 25; Sp. p. 4191; Dr. p. 875; Gaz. vol. 132; p. 1613.
- Sash-weight. F. C. Schwedtmann. No. 883,976; Apr. 7; Sp. p. 624; Dr. p. 125; Gaz. vol. 133; p. 1291.
- Sash-weight. F. C. Schwedtmann. No. 883,977; Apr. 7; Sp. p. 626; Dr. p. 125; Gaz. vol. 133; p. 1292.
- Sash-weight. F. C. Schwedtmann. No. 883,978; Apr. 7; Sp. p. 628; Dr. p. 125; Gaz. vol. 133; p. 1292.
- Sash-weight. F. C. Schwedtmann. No. 883,979; Apr. 7; Sp. p. 630; Dr. p. 126; Gaz. vol. 133; p. 1292.

Alphabetical list of inventions—Continued.

- Sash-weight. F. C. Schwedtmann. No. 886,653; May 5; Sp. p. 612; Dr. p. 127; Gaz. vol. 134; p. 107.
 Sash-weight. W. G. Withers. No. 901,053; Oct. 13; Sp. p. 2072; Dr. p. 421; Gaz. vol. 136; p. 1421.
 Sash weight and pulley. R. D. Noe. No. 900,770; Oct. 13; Sp. p. 1494; Dr. p. 303; Gaz. vol. 136; p. 1329.
 Sash-weight mold. S. Dyer. No. 904,519; Nov. 24; Sp. p. 4086; Gaz. vol. 137; p. 745.
 Sash-weights, Chill for. W. G. Standing. No. 901,656; Oct. 20; Sp. p. 3317; Dr. p. 681; Gaz. vol. 136; p. 1653.
 Sash-weights, Molding. C. J. P. Hoehn and G. Gross. No. 904,958; Nov. 24; Sp. p. 5000; Gaz. vol. 137; p. 892.
 Sash, Window-. W. F. Kiesel, Jr. No. 878,540; Feb. 11; Sp. p. 1380; Dr. p. 283; Gaz. vol. 132; p. 1096.
 Sash, Window-. W. F. Kiesel, Jr. No. 878,541; Feb. 11; Sp. p. 1381; Dr. pp. 283-4; Gaz. vol. 132; p. 1096.
 Sash, Window-. R. C. Fry. No. 880,447; Feb. 25; Sp. p. 5272; Dr. p. 1109; Gaz. vol. 132; p. 1793.
 Sash, Window-. E. W. Selkirk. No. 887,968; May 19; Sp. p. 3313; Dr. p. 696; Gaz. vol. 134; p. 596.
 Sash, Window-. O. E. and E. W. Knight. No. 889,378; June 2; Sp. p. 377; Dr. p. 87; Gaz. vol. 134; p. 1118.
 Sash, Window-. M. F. Holbrook. No. 901,343; Oct. 20; Sp. p. 2636; Dr. p. 541; Gaz. vol. 136; p. 1549.
 Sash, Window-. I. G. Stolp and P. W. Bowde. No. 903,615; Nov. 10; Sp. p. 2179; Gaz. vol. 137; p. 385.
 Sash, Window-. R. C. Fingal and T. Fabrin. No. 905,064; Nov. 24; Sp. p. 5195; Gaz. vol. 137; p. 927.
 Sashes and the like, Holder and fastener for storm-. F. Bursik. No. 885,015; Apr. 21; Sp. p. 2748; Dr. p. 583; Gaz. vol. 133; p. 1690.
 Sashes, Machine for making and driving tacks in window-. C. E. Johnson. No. 888,505; May 26; Sp. p. 4358; Dr. p. 923; Gaz. vol. 134; p. 799.
 Sashes, Stop device for sliding. G. H. Parker. No. 889,484; June 2; Sp. p. 603; Dr. p. 141; Gaz. vol. 134; p. 1152.
 Sashes, window-screens, &c., Fastener for storm-. M. Hauser. No. 888,494; May 26; Sp. p. 4343; Dr. p. 919; Gaz. vol. 134; p. 796.
 Satchels, &c., Means for attaching handles to. J. H. Hart. No. 907,046; Dec. 15; Sp. p. 3707; Gaz. vol. 137; p. 1660.
 Sauer-kraut, Desiccating. J. R. Hare. No. 895,262; Aug. 4; Sp. p. 987; Gaz. vol. 135; p. 1057.
 Sausage-machine. F. Matheyer. No. 897,120; Aug. 25; Sp. p. 4734; Dr. p. 1009; Gaz. vol. 135; p. 1731.
 Sausage-stuffer. W. O. Thompson. No. 891,749; June 23; Sp. p. 5209; Dr. p. 1127; Gaz. vol. 134; p. 1983.
 Sausage-stuffer. G. R. Napier. No. 893,808; July 21; Sp. p. 2983; Dr. pp. 611-12; Gaz. vol. 135; p. 528.
 Sausage-stuffer. G. R. Napier. No. 894,039; July 21; Sp. p. 3475; Dr. pp. 711-12; Gaz. vol. 135; p. 605.
 Sausage-stuffer spout. W. J. Bussinger. No. 888,305; May 19; Sp. p. 3945; Dr. p. 830; Gaz. vol. 134; p. 704.
 Sausage-stuffing machine. E. J. Hallahan. No. 889,122; May 26; Sp. p. 5645; Dr. p. 1195; Gaz. vol. 134; p. 1003.
 Savings-boxes, collecting-boxes, and the like, Means for preventing the unauthorized abstraction of the contents of. F. Hottmann. No. 891,994; June 30; Sp. p. 5726; Dr. p. 1231; Gaz. vol. 134; p. 2096.
 Saw. E. G. Ward. No. 877,146; Jan. 21; Sp. p. 3018; Dr. p. 652; Gaz. vol. 132; p. 557.
 Saw. J. Dowling. No. 885,738; Apr. 28; Sp. p. 4264; Dr. p. 892; Gaz. vol. 133; p. 1953.
 Saw. S. Rose. No. 892,895; July 7; Sp. p. 1019; Dr. p. 214; Gaz. vol. 135; p. 169.
 Saw. W. W. Mitchell. No. 903,603; Nov. 10; Sp. p. 2148; Gaz. vol. 137; p. 381.
 Saw. J. Neill. No. 907,168; Dec. 22; Sp. p. 3956; Gaz. vol. 137; p. 1735.
 Saw attachment. I. H. Howe. No. 882,318; Mar. 17; Sp. p. 3664; Dr. p. 777; Gaz. vol. 133; p. 660.
 Saw, Band-. W. Carey. No. 881,107; Mar. 10; Sp. p. 1227; Dr. p. 264; Gaz. vol. 133; p. 238.
 Saw blade, Circular-. G. N. Williams, Jr., and J. Tinlin. No. 903,933; Nov. 17; Sp. p. 2855; Gaz. vol. 137; p. 521.
 Saw-cabinet. C. S. Barger. No. 906,368; Dec. 8; Sp. p. 2450; Gaz. vol. 137; p. 1420.
 Saw-carriage set-works. J. M. McLaren. No. 902,994; Nov. 3; Sp. p. 935; Gaz. vol. 137; p. 154.
 Saw, Circle-. H. C. Heno and R. Greenleaf. No. 902,656; Nov. 3; Sp. p. 242; Gaz. vol. 137; p. 41.
 Saw-clamp. G. W. Rush. No. 885,084; Apr. 21; Sp. p. 2889; Dr. p. 613; Gaz. vol. 133; p. 1712.
 Saw-clamp. W. F. Schmidt. No. 897,788; Sept. 1; Sp. p. 1105; Dr. p. 237; Gaz. vol. 136; p. 177.
 Saw, Crosscut-. G. M. Howatson. No. 886,296; Apr. 28; Sp. p. 5380; Dr. p. 1130; Gaz. vol. 133; p. 2138.
 Saw-dressing device. T. W. Roach. No. 887,694; May 12; Sp. p. 2750; Dr. p. 581; Gaz. vol. 134; p. 475.
 Saw, Endless chain. S. J. Bens. No. 893,897; July 21; Sp. p. 3164; Dr. p. 651; Gaz. vol. 135; p. 557.
 Saw-filing device. H. F. Hill. No. 903,721; Nov. 10; Sp. p. 2371; Gaz. vol. 137; p. 417.
 Saw for removing stumps. J. M. White. No. 901,505; Oct. 20; Sp. p. 3028; Dr. pp. 618-19; Gaz. vol. 136; p. 1606.
 Saw frame, Coping-. W. J. Parsons. No. 903,495; Nov. 10; Sp. p. 1925; Gaz. vol. 137; p. 346.
 Saw gage and filing tool. Z. N. Seelye. No. 882,213; Mar. 17; Sp. p. 3450; Dr. p. 734; Gaz. vol. 133; p. 624.
 Saw gage and jointer. J. H. Wheelock and W. B. Pence. No. 886,450; May 5; Sp. p. 213; Dr. p. 45; Gaz. vol. 134; p. 40.
 Saw-grinding machine. J. H. Miner. No. 903,304; Dec. 29; Sp. p. 6358; Gaz. vol. 137; p. 2145.
 Saw-guard. J. Murray. No. 893,087; July 14; Sp. p. 1411; Dr. p. 298; Gaz. vol. 135; p. 262.
 Saw-guard. J. Holmwood. No. 899,300; Sept. 22; Sp. p. 4075; Dr. p. 871; Gaz. vol. 136; p. 757.
 Saw-guard, Circular-. R. W. Hood. No. 888,805; May 26; Sp. p. 4996; Dr. p. 1065; Gaz. vol. 134; p. 900.
 Saw-guide. H. J. Kiger and W. A. Hohman. No. 895,091; Aug. 4; Sp. p. 630; Dr. p. 131; Gaz. vol. 135; p. 999.
 Saw-guide, Drag-. S. S. Pearl. No. 876,226; Jan. 7; Sp. p. 1054; Dr. p. 227; Gaz. vol. 132; p. 178.
 Sawguide, Undercut-. J. W. Pettijohn. No. 898,677; Sept. 15; Sp. p. 2899; Dr. p. 620; Gaz. vol. 136; p. 527.
 Saw-gummer. G. E. Hawkins. No. 879,962; Feb. 25; Sp. p. 4296; Dr. p. 898; Gaz. vol. 132; p. 1632.
 Saw, Hand-. A. M. Remington. No. 885,521; Apr. 21; Sp. p. 3777; Dr. p. 795; Gaz. vol. 133; p. 1854.
 Saw-handle. C. M. Larkin. No. 881,188; Mar. 10; Sp. p. 1383; Dr. p. 298; Gaz. vol. 133; p. 265.
 Saw-handle. E. A. Patterson and E. F. Dickinson. No. 888,258; May 19; Sp. p. 3851; Dr. p. 809; Gaz. vol. 134; p. 689.
 Saw handle, Crosscut-. C. Brockelhurst. No. 877,169; Jan. 21; Sp. p. 3067; Dr. p. 664; Gaz. vol. 132; p. 565.
 Saw-handle, Detachable. T. P. J. Coleman. No. 899,028; Sept. 22; Sp. p. 3538; Dr. p. 757; Gaz. vol. 136; p. 668.
 Saw, Jig-. A. Anderson. No. 882,044; Mar. 17; Sp. p. 3143; Dr. p. 667; Gaz. vol. 133; p. 571.
 Saw, Jig or scroll. W. E. Lawrence. No. 879,656; Feb. 18; Sp. p. 3637; Dr. p. 760; Gaz. vol. 132; p. 1498.
 Saw-jointer. C. R. Pierce. No. 882,961; Mar. 24; Sp. p. 4922; Dr. p. 1044; Gaz. vol. 133; p. 905.
 Saw jointer and gage, Combined. E. J. Hicks. No. 883,641; Mar. 31; Sp. p. 6303; Dr. p. 1345; Gaz. vol. 133; p. 1152.
 Saw jointer and side-filer, Circular-. R. A. Todd. No. 890,727; June 16; Sp. p. 3125; Dr. p. 684; Gaz. vol. 134; p. 1615.
 Saw jointer, set, swage, and gage, Combined. H. L. Trueblood. No. 889,070; May 26; Sp. p. 5516; Dr. p. 1172; Gaz. vol. 134; p. 986.
 Saw jointing and swaging implement. J. Carlin. No. 898,964; Sept. 15; Sp. p. 3408; Dr. p. 732; Gaz. vol. 136; p. 620.
 Saw-log nigger. W. E. Downing. No. 889,446; June 2; Sp. p. 512; Dr. p. 121; Gaz. vol. 134; p. 1140.
 Saw, Marble and stone. I. Ramboux. No. 880,822; Mar. 3; Sp. p. 676; Dr. p. 142; Gaz. vol. 133; p. 116.
 Saw, Meat-block. W. M. Wise. No. 905,265; Dec. 1; Sp. p. 280; Gaz. vol. 137; p. 1031.
 Saw, Metal-cutting. W. H. Lucas. No. 885,770; Apr. 28; Sp. p. 4325; Dr. p. 907; Gaz. vol. 133; p. 1963.
 Saw mill, Band-. W. H. Trout. No. 899,575; Sept. 29; Sp. p. 4610; Dr. pp. 990-1; Gaz. vol. 136; p. 882.
 Saw mill, Gang-. T. S. Wilkin. No. 885,119; Apr. 21; Sp. p. 2981; Dr. p. 629; Gaz. vol. 133; p. 1724.
 Saw mill, Twin band-. A. Mereen and A. E. Gagnon. No. 900,677; Oct. 6; Sp. p. 1305; Dr. pp. 267-8; Gaz. vol. 136; p. 1273.
 Saw mills, Cant-centering device for twin-. A. Mereen and A. E. Gagnon. No. 902,502; Oct. 27; Sp. p. 5122; Dr. pp. 1036-7; Gaz. vol. 136; p. 1962.
 Saw, Planing-. C. E. Rider. No. 877,799; Jan. 28; Sp. p. 4296; Dr. p. 932; Gaz. vol. 132; p. 789.
 Saw, Power miter-. A. A. Hillback. No. 886,055; Apr. 28; Sp. p. 4930; Dr. p. 1016; Gaz. vol. 133; p. 2053.
 Saw, Pruning-. P. Burdett. No. 900,661; Oct. 6; Sp. p. 1266; Dr. p. 259; Gaz. vol. 136; p. 1267.
 Saw-recutting mechanism. J. C. Gebhart. No. 888,704; May 26; Sp. p. 4781; Dr. p. 1018; Gaz. vol. 134; p. 868.
 Saw, Rip-. G. J. Schaller and V. B. Adams. No. 883,671; Mar. 31; Sp. p. 6372; Dr. p. 1359; Gaz. vol. 133; p. 1162.
 Saw-set. A. Johnson. No. 883,806; Apr. 7; Sp. p. 262; Dr. p. 48; Gaz. vol. 133; p. 1234.
 Saw-set. J. E. Johnston and J. M. Crahan. No. 887,197; May 12; Sp. p. 1686; Dr. p. 358; Gaz. vol. 134; p. 309.
 Saw-set. W. J. Boynton. No. 888,579; May 26; Sp. p. 4514; Dr. p. 956; Gaz. vol. 134; p. 827.
 Saw-set. C. E. Miller and L. D. Metcalf. No. 889,478; June 2; Sp. p. 588; Dr. p. 137; Gaz. vol. 134; p. 1150.
 Saw-set. W. A. Wood. No. 893,121; July 14; Sp. p. 1487; Dr. p. 314; Gaz. vol. 135; p. 274.
 Saw-set. W. M. Potter. No. 898,780; Sept. 15; Sp. p. 3082; Dr. p. 660; Gaz. vol. 136; p. 560.
 Saw set and gage, Combined. A. Champeau. No. 890,624; June 9; Sp. p. 1658; Dr. p. 369; Gaz. vol. 134; p. 1353.
 Saw-set and straight-edge, Combined. J. Stockon. No. 887,709; May 12; Sp. p. 2773; Dr. p. 586; Gaz. vol. 134; p. 481.
 Saw set and swage. F. Brunett. No. 893,140; July 14; Sp. p. 1534; Dr. p. 324; Gaz. vol. 135; p. 280.
 Saw-set gage. J. S. Scott. No. 887,742; May 12; Sp. p. 2844; Dr. p. 601; Gaz. vol. 134; p. 493.
 Saw setting and sharpening machine. J. F. Bond. No. 895,150; Aug. 4; Sp. p. 740; Dr. p. 154; Gaz. vol. 135; p. 1018.
 Saw-setting tool. C. A. Drew. No. 884,909; Apr. 14; Sp. p. 2527; Dr. pp. 534-5; Gaz. vol. 133; p. 1624.
 Saw sharpener, Circular-. C. H. Reynolds. No. 905,924; Dec. 8; Sp. p. 1605; Gaz. vol. 137; p. 1277.
 Saw-swage. C. A. Knowles. No. 876,198; Jan. 7; Sp. p. 992; Dr. p. 215; Gaz. vol. 132; p. 169.
 Saw-swage. E. P. Armstrong. No. 879,352; Feb. 18; Sp. p. 2971; Dr. p. 621; Gaz. vol. 132; p. 1399.
 Saw-swage. A. Draws. No. 889,771; June 2; Sp. p. 1133; Dr. p. 263; Gaz. vol. 134; p. 1242.
 Saw-swage. F. Brunett. No. 903,151; Nov. 3; Sp. p. 1227; Gaz. vol. 137; p. 201.
 Saw-swage. R. Coyle. No. 905,989; Dec. 8; Sp. p. 1733; Gaz. vol. 137; p. 1296.
 Saw-swaging machine. J. C. Fox. No. 888,701; May 26; Sp. p. 4777; Dr. p. 1017; Gaz. vol. 134; p. 807.

Alphabetical list of inventions—Continued.

- Saw, Swing-. C. L. Newell. No. 891,719; June 23; Sp. p. 5154; Dr. p. 1113; Gaz. vol. 134; p. 1973.
- Saw-table safety attachment. E. W. Cummings. No. 901,889; Oct. 20; Sp. p. 3799; Dr. p. 773; Gaz. vol. 136; p. 1730.
- Saw-tensioning device, Band-. B. D. Stevens. No. 879,500; Feb. 18; Sp. p. 3303; Dr. p. 691; Gaz. vol. 132; p. 1447.
- Saw-tool. T. Olsen. No. 893,094; July 14; Sp. p. 1421; Dr. pp. 300-1; Gaz. vol. 135; p. 264.
- Saw-tool. T. E. Cookman. No. 900,666; Oct. 6; Sp. p. 1275; Dr. p. 260; Gaz. vol. 136; p. 1269.
- Saw-tooth, Insertible. W. H. Askins. No. 883,076; Mar. 24; Sp. p. 5126; Dr. p. 1094; Gaz. vol. 133; p. 940.
- Saw-tooth-shaping device, Swaged-. E. P. Armstrong. No. 884,061; Apr. 7; Sp. p. 790; Dr. p. 166; Gaz. vol. 133; p. 1319.
- Saw-tooth tool. M. E. Simmons. No. 885,389; Apr. 21; Sp. p. 3557; Dr. p. 744; Gaz. vol. 133; p. 1814.
- Saws, Roller-guide for band-. E. C. Lippmann and R. McKinney. No. 876,816; Jan. 14; Sp. p. 2292; Dr. p. 503; Gaz. vol. 132; p. 405.
- Sawing apparatus. C. H. Prescott. No. 897,488; Sept. 1; Sp. p. 505; Dr. p. 107; Gaz. vol. 136; p. 80.
- Sawing device. E. T. Davies. No. 879,038; Feb. 11; Sp. p. 2348; Dr. p. 491; Gaz. vol. 132; p. 1255.
- Sawing-machine. L. R. Colbert. No. 877,410; Jan. 21; Sp. p. 3539; Dr. p. 766; Gaz. vol. 132; p. 644.
- Sawing-machine. F. N. Trevor. No. 883,922; Apr. 7; Sp. p. 508; Dr. p. 101; Gaz. vol. 133; p. 1273.
- Sawing-machine. C. L. Libby and P. J. Connor. No. 884,744; Apr. 14; Sp. p. 2215; Dr. p. 468; Gaz. vol. 133; p. 1573.
- Sawing-machine. G. Binder. No. 886,173; Apr. 28; Sp. p. 5144; Dr. p. 1082; Gaz. vol. 133; p. 2095.
- Sawing-machine, Band. E. T. Davies. No. 876,302; Jan. 7; Sp. p. 1219; Dr. p. 266; Gaz. vol. 132; p. 204.
- Sawing machine, Segment-. W. W. McKee. No. 883,333; Mar. 31; Sp. p. 5660; Dr. p. 1208; Gaz. vol. 133; p. 1054.
- Sawing machine, Shingle. J. G. Pike. No. 883,912; Apr. 7; Sp. p. 489; Dr. p. 97; Gaz. vol. 133; p. 1270.
- Sawing machine, Timber-. J. M. Martin. No. 884,183; Apr. 7; Sp. p. 1081; Dr. p. 225; Gaz. vol. 133; p. 1359.
- Sawing machine, Tree-. W. T. Christine and F. H. Budde. No. 883,787; Apr. 7; Sp. p. 211; Dr. pp. 38-9; Gaz. vol. 133; p. 1227.
- Sawing machine, Wood-. A. Fairchild. No. 879,376; Feb. 18; Sp. p. 3035; Dr. p. 632; Gaz. vol. 132; p. 1407.
- Sawing machine, Wood-. A. L. Everett. No. 886,195; Apr. 28; Sp. p. 5188; Dr. p. 1092; Gaz. vol. 133; p. 2103.
- Sawing-machines, Carriage-feed for. G. Binder. No. 886,174; Apr. 28; Sp. p. 5147; Dr. p. 1083; Gaz. vol. 133; p. 2095.
- Sawing standing timber, Machine for. F. C. Schultz. No. 892,314; June 30; Sp. p. 6329; Dr. p. 1363; Gaz. vol. 134; p. 2201.
- Sawdust collector and conveyor. J. A. Weimer. No. 889,837; June 2; Sp. p. 1255; Dr. p. 289; Gaz. vol. 134; p. 1263.
- Sawhorse. O. Poltras. No. 904,988; Nov. 24; Sp. p. 5059; Gaz. vol. 137; p. 902.
- Sawmill. D. I. Keough. No. 881,004; Mar. 3; Sp. p. 1028; Dr. p. 223; Gaz. vol. 133; p. 176.
- Sawmill. J. Ihle. No. 884,020; Apr. 7; Sp. p. 712; Dr. pp. 144-5; Gaz. vol. 133; p. 1306.
- Sawmill. F. O. Willey. No. 906,343; Dec. 8; Sp. p. 2408; Gaz. vol. 137; p. 1413.
- Sawmill attachment. J. H. Coy. No. 880,722; Mar. 3; Sp. p. 462; Dr. p. 98; Gaz. vol. 133; p. 81.
- Sawmill-dog. A. V. Wineman. No. 905,040; Nov. 24; Sp. p. 5158; Gaz. vol. 137; p. 920.
- Sawmill, Double-cutting rotary. C. J. Zeitinger. No. 877,392; Jan. 21; Sp. p. 3496; Dr. p. 759; Gaz. vol. 132; p. 637.
- Sawmill feed mechanism, Lifting-skid for. H. G. Dittbenner. No. 887,075; May 12; Sp. p. 1476; Dr. p. 313; Gaz. vol. 134; p. 271.
- Sawmill operating mechanism. J. N. Brownlee. No. 890,839; June 16; Sp. p. 3345; Dr. p. 733; Gaz. vol. 133; p. 1652.
- Sawmill power set-works. D. C. Prescott. No. 904,806; Nov. 24; Sp. p. 4686; Gaz. vol. 137; p. 842.
- Sawmill-recorder. J. W. P. Burdine. No. 892,805; July 7; Sp. p. 809; Dr. pp. 172-3; Gaz. vol. 135; p. 139.
- Sawmill set-works. N. E. Rice. No. 877,662; Jan. 28; Sp. p. 4053; Dr. pp. 876-7; Gaz. vol. 132; p. 747.
- Sawmill set-works. N. E. Rice. No. 884,209; Apr. 7; Sp. p. 1122; Dr. pp. 235-6; Gaz. vol. 133; p. 1368.
- Sawmill set-works. T. S. Wilkin. No. 896,342; Aug. 18; Sp. p. 3106; Dr. pp. 667-8; Gaz. vol. 135; p. 1451.
- Sawmill set-works. A. A. De Loach. No. 899,159; Sept. 22; Sp. p. 3791; Dr. pp. 811-12; Gaz. vol. 136; p. 711.
- Sawmill set-works, Appliance for. W. F. Koch. No. 877,090; Jan. 21; Sp. p. 2384; Dr. p. 623; Gaz. vol. 132; p. 537.
- Sawmill set-works, Pawl-lift for. M. Harris. No. 889,677; June 2; Sp. p. 963; Dr. p. 222; Gaz. vol. 134; p. 1213.
- Sawmill set-works, Stop mechanism for. J. Walton. No. 899,579; Sept. 29; Sp. p. 4618; Dr. p. 992; Gaz. vol. 136; p. 883.
- Scaffold. D. Flatley. No. 881,232; Mar. 10; Sp. p. 1481; Dr. p. 319; Gaz. vol. 133; p. 279.
- Scaffold. W. J. Murray. No. 882,206; Mar. 17; Sp. p. 3441; Dr. p. 732; Gaz. vol. 133; p. 622.
- Scaffold. J. M. Dibler. No. 902,949; Nov. 3; Sp. p. 842; Gaz. vol. 137; p. 139.
- Scaffold, Adjustable. E. H. Samuelson. No. 878,674; Feb. 11; Sp. p. 1669; Dr. p. 343; Gaz. vol. 132; p. 1141.
- Scaffold, Adjustable. M. Russell. No. 885,791; Apr. 28; Sp. p. 4365; Dr. p. 916; Gaz. vol. 133; p. 1970.
- Scaffold apparatus. F. E. Gordnier. No. 884,813; Apr. 14; Sp. p. 2358; Dr. p. 495; Gaz. vol. 133; p. 1596.
- Scaffold-bracket. S. S. Richardson. No. 882,020; Mar. 17; Sp. p. 3093; Dr. p. 659; Gaz. vol. 133; p. 564.
- Scaffold-bracket. A. V. Davis. No. 885,227; Apr. 21; Sp. p. 3221; Dr. p. 672; Gaz. vol. 133; p. 1760.
- Scaffold-bracket. M. and J. L. Mani. No. 905,339; Dec. 1; Sp. p. 408; Gaz. vol. 137; p. 1054.
- Scaffold-bracket, Safety. J. R. Watt. No. 875,970; Jan. 7; Sp. p. 557; Dr. p. 119; Gaz. vol. 132; p. 97.
- Scaffold-bracket, Safety. J. R. Watt. No. 901,926; Oct. 20; Sp. p. 3869; Dr. p. 789; Gaz. vol. 136; p. 1742.
- Scaffold-bracket, Self-clamping. F. H. Dettmann. No. 901,158; Oct. 13; Sp. p. 2262; Dr. p. 461; Gaz. vol. 136; p. 1454.
- Scaffold-clamp. W. Shears. No. 890,804; June 16; Sp. p. 3287; Dr. p. 720; Gaz. vol. 134; p. 1642.
- Scaffold, Platform-. J. McIntyre. No. 885,507; Apr. 21; Sp. p. 3759; Dr. p. 791; Gaz. vol. 133; p. 1850.
- Scaffold, Portable ladder-like. L. T. Olive. No. 882,161; Mar. 17; Sp. p. 3362; Dr. pp. 716-17; Gaz. vol. 133; p. 608.
- Scaffolds, Holder for swinging. C. F. Keil. No. 903,478; Nov. 10; Sp. p. 1884; Gaz. vol. 137; p. 340.
- Scaffolds or stages, Attachment for swinging. W. B. Stoops. No. 882,769; Mar. 24; Sp. p. 4523; Dr. p. 966; Gaz. vol. 133; p. 840.
- Scaffolds, Track and carriage for swing-. R. Kersey. No. 876,194; Jan. 7; Sp. p. 984; Dr. p. 213; Gaz. vol. 132; p. 167.
- Scaffolding. G. E. Humphries. No. 898,368; Sept. 8; Sp. p. 2274; Dr. p. 483; Gaz. vol. 136; p. 394.
- Scalding apparatus. M. Lynch. No. 897,754; Sept. 1; Sp. p. 1032; Dr. pp. 219-20; Gaz. vol. 136; p. 167.
- Scale. E. M. Wade. No. 876,286; Jan. 7; Sp. p. 1179; Dr. pp. 256-7; Gaz. vol. 132; p. 193.
- Scale. W. G. Templeton. No. 877,680; Jan. 28; Sp. p. 4094; Dr. p. 886; Gaz. vol. 132; p. 753.
- Scale. J. L. Theobald. No. 895,125; Aug. 4; Sp. p. 702; Dr. p. 146; Gaz. vol. 135; p. 1010.
- Scale. J. W. Free. No. 896,002; Aug. 11; Sp. p. 2456; Dr. pp. 530-1; Gaz. vol. 135; p. 1321.
- Scale. W. G. Templeton. No. 900,895; Oct. 13; Sp. p. 1756; Dr. pp. 355-6; Gaz. vol. 136; p. 1370.
- Scale. W. G. Templeton. No. 900,896; Oct. 13; Sp. p. 1757; Dr. p. 357; Gaz. vol. 136; p. 1370.
- Scale. W. G. Templeton. No. 902,266; Oct. 27; Sp. p. 4588; Dr. p. 932; Gaz. vol. 136; p. 1881.
- Scale. B. D. Emanuel. No. 902,953; Nov. 3; Sp. p. 848; Gaz. vol. 137; p. 141.
- Scale. C. H. Hapgood. No. 903,083; Nov. 3; Sp. p. 1106; Gaz. vol. 137; p. 180.
- Scale. B. D. Emanuel. No. 904,251; Nov. 17; Sp. p. 3519; Gaz. vol. 137; p. 629.
- Scale. E. C. Smith. No. 906,074; Dec. 8; Sp. p. 1884; Gaz. vol. 137; p. 1323.
- Scale, Automatic. J. H. Swihart. No. 906,960; Dec. 15; Sp. p. 3558; Gaz. vol. 137; p. 1634.
- Scale, Automatic grain-. F. L. Smith. No. 907,190; Dec. 22; Sp. p. 4011; Gaz. vol. 137; p. 1743.
- Scale, Automatic weighing-. W. Steenken. No. 879,336; Feb. 18; Sp. p. 2947; Dr. p. 615; Gaz. vol. 132; p. 1394.
- Scale, Automatic weighing-. C. L. Bond. No. 887,913; May 19; Sp. p. 3211; Dr. p. 676; Gaz. vol. 134; p. 578.
- Scale, Automatic weighing-. F. C. Osborn. No. 888,646; May 26; Sp. p. 4653; Dr. p. 988; Gaz. vol. 134; p. 849.
- Scale, Beam-. L. Fritz. No. 891,768; June 23; Sp. p. 5244; Dr. p. 1136; Gaz. vol. 134; p. 1990.
- Scale, Beam-. O. Jones. No. 901,911; Oct. 20; Sp. p. 3843; Dr. pp. 783-4; Gaz. vol. 136; p. 1737.
- Scale-beam. A. Scrivenor. No. 892,690; July 7; Sp. p. 582; Dr. p. 125; Gaz. vol. 135; p. 102.
- Scale-beam bearing. A. Scrivenor. No. 895,692; Aug. 11; Sp. p. 1831; Dr. p. 390; Gaz. vol. 135; p. 1221.
- Scale-bearing support. W. F. Stimpson. No. 885,885; Apr. 28; Sp. p. 4555; Dr. p. 955; Gaz. vol. 133; p. 2002.
- Scale-chart. H. S. Hallwood. No. 903,711; Nov. 10; Sp. p. 2353; Gaz. vol. 137; p. 413.
- Scale, Coin-operated weighing-. H. S. Mills. No. 900,409; Oct. 6; Sp. p. 708; Dr. pp. 147-8; Gaz. vol. 136; p. 1184.
- Scale, Computing-. F. M. Engelhardt. No. 878,620; Feb. 11; Sp. p. 1577; Dr. p. 321; Gaz. vol. 132; p. 1123.
- Scale, Computing-. W. Peterkin. No. 879,795; Feb. 18; Sp. p. 3900; Dr. p. 818; Gaz. vol. 132; p. 1543.
- Scale, Computing-. J. J. Duffie. No. 886,775; May 5; Sp. p. 906; Dr. p. 188; Gaz. vol. 134; p. 149.
- Scale, Computing-. J. H. Reinhardt. No. 893,099; July 14; Sp. p. 1434; Dr. p. 303; Gaz. vol. 135; p. 265.
- Scale-destroying composition. C. Ellis. No. 896,094; Aug. 18; Sp. p. 2622; Gaz. vol. 135; p. 1373.
- Scale-indicators, Attachment for. B. E. Butler. No. 887,917; May 19; Sp. p. 3219; Dr. p. 677; Gaz. vol. 134; p. 580.
- Scale, Monetary combination weighing-. H. Marer. No. 876,986; Jan. 21; Sp. p. 2664; Dr. p. 579; Gaz. vol. 132; p. 502.
- Scale or meter. L. D. Goff and H. O. Spade. No. 889,598; June 2; Sp. p. 806; Dr. p. 184; Gaz. vol. 134; p. 1188.
- Scale, Pitless. W. F. Stimpson. No. 903,910; Nov. 17; Sp. p. 2794; Gaz. vol. 137; p. 513.
- Scale, Platform-. D. Lennox. No. 901,356; Oct. 20; Sp. p. 2671; Dr. p. 548; Gaz. vol. 136; p. 1554.
- Scale, Spring-. C. Sirch. No. 902,769; Nov. 3; Sp. p. 461; Gaz. vol. 137; p. 80.
- Scale, Truck-. E. L. Gage. No. 898,457; Sept. 15; Sp. p. 2461; Dr. p. 526; Gaz. vol. 136; p. 456.
- Scale, Wagon-. J. F. Hinck. No. 894,646; July 28; Sp. p. 4722; Dr. pp. 980-1; Gaz. vol. 135; p. 824.
- Scale, Weighing-. C. W. McKee. No. 881,020; Mar. 3; Sp. p. 1061; Dr. p. 230; Gaz. vol. 133; p. 181.
- Scale, Weighing-. W. G. Templeton. No. 892,773; July 7; Sp. p. 749; Dr. p. 158; Gaz. vol. 135; p. 129.
- Scale, Weighing-. J. H. and A. McLeod. No. 895,289; Aug. 4; Sp. p. 1051; Dr. pp. 219-20; Gaz. vol. 135; p. 1067.
- Scale, Weighing-. L. Jaenichen. No. 901,297; Oct. 13; Sp. p. 2538; Dr. p. 522; Gaz. vol. 136; p. 1498.

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- Scale, Weighing-. L. C. Ostendorf. No. 901,994; Oct. 27; Sp. p. 4049; Dr. p. 821; Gaz. vol. 136; p. 1795.
 Scale, Weighing-. H. M. B. Bary. No. 903,045; Nov. 3; Sp. p. 1033; Gaz. vol. 137; p. 169.
 Scales, Dash-pot for. R. T. Schulz and J. Shihler. No. 833,386; July 14; Sp. p. 1991; Dr. p. 418; Gaz. vol. 135; p. 359.
 Scales, Platform-supporting hanger for. J. L. Good. No. 889,221; June 2; Sp. p. 67; Dr. p. 15; Gaz. vol. 134; p. 1068.
 Scales, Poise-lock for. W. E. Finch. No. 889,217; June 2; Sp. p. 63; Dr. p. 14; Gaz. vol. 134; p. 1066.
 Scales, Recording weigh-beam for. W. N. Gilbert. No. 876,958; Jan. 21; Sp. p. 2617; Dr. p. 568; Gaz. vol. 132; p. 493.
 Scaling-machine. A. L. Burri and B. C. Donnelly. No. 888,464; May 26; Sp. p. 4282; Dr. p. 906; Gaz. vol. 134; p. 786.
 Scarf-pin. E. G. Knoop. No. 878,885; Feb. 11; Sp. p. 2071; Dr. p. 430; Gaz. vol. 132; p. 1208.
 Scarf-pin clutch. A. Rosenbaum. No. 881,622; Mar. 10; Sp. p. 2258; Dr. p. 400; Gaz. vol. 133; p. 407.
 Scarf-pin or similar article. A. W. Rothschild. No. 896,941; Aug. 25; Sp. p. 4357; Dr. p. 934; Gaz. vol. 135; p. 1671.
 Scarf-pin, Safety. J. S. Joyce. No. 895,865; Aug. 11; Sp. p. 2187; Dr. p. 465; Gaz. vol. 135; p. 1277.
 Scarf-pin-securing device. I. Reiness. No. 883,422; Mar. 31; Sp. p. 5873; Dr. p. 1251; Gaz. vol. 133; p. 1085.
 Scavenger mechanism. S. B. Shipp. No. 908,341; Dec. 29; Sp. p. 6441; Gaz. vol. 137; p. 2159.
 Scene-shifting device. E. Giulietti. No. 879,820; Feb. 18; Sp. p. 3959; Dr. pp. 828-9; Gaz. vol. 132; p. 1558.
 Scene-shifting device. E. Giulietti. No. 883,193; Mar. 31; Sp. p. 5379; Dr. pp. 1145-6; Gaz. vol. 133; p. 1009.
 Scenery in theaters. Mechanism for shifting stage-. G. Schneider. No. 884,214; Apr. 7; Sp. p. 1131; Dr. p. 237; Gaz. vol. 133; p. 1369.
 Scenic effect. D. H. Leas. No. 901,354; Oct. 20; Sp. p. 2666; Dr. p. 547; Gaz. vol. 136; p. 1553.
 Schedule, Adjustable. J. C. Diefenbach. No. 898,338; Sept. 8; Sp. p. 2215; Dr. p. 471; Gaz. vol. 136; p. 384.
 Scissors. E. E. Flyberg. No. 879,618; Feb. 18; Sp. p. 3567; Dr. p. 747; Gaz. vol. 132; p. 1485.
 Scissors. A. L. Mosby. No. 881,704; Mar. 10; Sp. p. 2397; Dr. p. 520; Gaz. vol. 133; p. 431.
 Scissors. G. R. McAllister. No. 890,687; June 16; Sp. p. 3022; Dr. p. 663; Gaz. vol. 134; p. 1602.
 Scissors. J. Feinburg. No. 891,238; June 23; Sp. p. 4161; Dr. p. 911; Gaz. vol. 134; p. 1814.
 Scissors. J. Feinburg. No. 895,444; Aug. 11; Sp. p. 1341; Dr. p. 283; Gaz. vol. 135; p. 1140.
 Scissors. O. Jensen. No. 906,632; Dec. 15; Sp. p. 2934; Gaz. vol. 137; p. 1530.
 Scissors and shears. E. Hunold. No. 880,535; Mar. 3; Sp. p. 76; Dr. p. 13; Gaz. vol. 133; p. 17.
 Scissors and shears. E. Helderman. No. 903,087; Nov. 3; Sp. p. 1114; Gaz. vol. 137; p. 132.
 Scissors-gage. W. B. Kitterman. No. 876,065; Jan. 7; Sp. p. 745; Dr. p. 157; Gaz. vol. 132; p. 127.
 Scissors or shears. S. F. F. Lindal. No. 884,281; Apr. 7; Sp. p. 1243; Dr. p. 261; Gaz. vol. 133; p. 1390.
 Scissors or shears. F. C. Kiser and J. B. Haslinger. No. 887,400; May 12; Sp. p. 2197; Dr. p. 459; Gaz. vol. 134; p. 379.
 Scissors or shears. L. E. Kennedy. No. 892,995; July 14; Sp. p. 1247; Dr. p. 261; Gaz. vol. 135; p. 232.
 Scissors, Pocket-. W. S. Smith. No. 906,950; Dec. 15; Sp. p. 3544; Gaz. vol. 137; p. 1631.
 Scissors-sharpener. L. M. Larsen and E. E. Nelson. No. 905,331; Dec. 1; Sp. p. 395; Gaz. vol. 137; p. 1051.
 Scoop. C. G. Rollenhagen. No. 879,194; Feb. 18; Sp. p. 2680; Dr. p. 559; Gaz. vol. 132; p. 1347.
 Scoop, Ash-. R. B. Clement. No. 904,756; Nov. 24; Sp. p. 4565; Gaz. vol. 137; p. 825.
 Scoop-board. A. Lombardo. No. 905,086; Nov. 24; Sp. p. 5241; Gaz. vol. 137; p. 934.
 Scoops, Attachment for steam-shovel. J. W. Turner. No. 876,111; Jan. 7; Sp. p. 835; Dr. p. 179; Gaz. vol. 132; p. 141.
 Score-board. J. M. Hamilton. No. 886,697; May 5; Sp. p. 726; Dr. p. 149; Gaz. vol. 134; p. 123.
 Score-board. J. P. Keenan. No. 907,506; Dec. 22; Sp. p. 4657; Gaz. vol. 137; p. 1851.
 Score-keeper. C. O. Wellnitz. No. 899,819; Sept. 29; Sp. p. 5127; Dr. p. 1097; Gaz. vol. 136; p. 962.
 Scoring device. M. F. Stanley. No. 875,862; Jan. 7; Sp. p. 342; Dr. p. 76; Gaz. vol. 132; p. 63.
 Scoring-machine. J. P. Bird. No. 907,674; Dec. 22; Sp. p. 5052; Gaz. vol. 137; p. 1905.
 Scoring or counting apparatus. L. A. Rabinowitsch. No. 891,732; June 23; Sp. p. 5175; Dr. p. 1117; Gaz. vol. 134; p. 1976.
 Scourer. See Grain-scourer.
 Scourer, Shaking-. S. T. Wilson. No. 888,678; May 26; Sp. p. 4737; Dr. p. 1006; Gaz. vol. 134; p. 860.
 Scouring apparatus for scouring ceramic wares. C. F. Bailey and R. H. Wainford. No. 906,851; Dec. 15; Sp. p. 3355; Gaz. vol. 137; p. 1599.
 Scow. J. H. Gerrish. No. 887,934; May 19; Sp. p. 3256; Dr. pp. 683-4; Gaz. vol. 134; p. 586.
 Scraper. W. Erdmann. No. 876,789; Jan. 14; Sp. p. 2238; Dr. p. 492; Gaz. vol. 132; p. 397.
 Scraper. R. Folkerts. No. 882,056; Mar. 17; Sp. p. 3161; Dr. p. 672; Gaz. vol. 133; p. 574.
 Scraper. J. B. Ackermann. No. 888,775; May 26; Sp. p. 4928; Dr. p. 1050; Gaz. vol. 134; p. 890.
 Scraper. C. E. Smith. No. 891,871; June 30; Sp. p. 5478; Dr. p. 1183; Gaz. vol. 134; p. 2056.
 Scraper. L. M. Hildreth. No. 892,652; June 30; Sp. p. 5832; Dr. p. 1254; Gaz. vol. 134; p. 2114.
 Scraper. W. H. Compton. No. 893,709; July 21; Sp. p. 2690; Dr. p. 564; Gaz. vol. 135; p. 494.
 Scraper. J. Butler. No. 898,183; Sept. 8; Sp. p. 1941; Dr. p. 414; Gaz. vol. 136; p. 337.
 Scraper. H. U. Edzards. No. 899,719; Sept. 29; Sp. p. 4898; Dr. p. 1051; Gaz. vol. 136; p. 927.
 Scraper. W. P. Warren. No. 900,626; Oct. 6; Sp. p. 1188; Dr. pp. 243-4; Gaz. vol. 136; p. 1255.
 Scraper and conveyor, Combined. L. Arms. No. 882,775; Mar. 24; Sp. p. 4531; Dr. p. 967; Gaz. vol. 133; p. 841.
 Scraper and drag, Combined. W. L. Baker. No. 898,421; Sept. 15; Sp. p. 2385; Dr. p. 510; Gaz. vol. 136; p. 446.
 Scraper and grader. O. E. Penwell. No. 881,027; Mar. 3; Sp. p. 1073; Dr. p. 233; Gaz. vol. 133; p. 183.
 Scraper, Boot and shoe. G. and M. J. Roessen. No. 890,097; June 9; Sp. p. 1801; Dr. p. 399; Gaz. vol. 134; p. 1378.
 Scraper, Box-. J. L. Bomiller. No. 880,745; Mar. 3; Sp. p. 523; Dr. p. 109; Gaz. vol. 133; p. 90.
 Scraper bracket, Brush and duck. W. B. Will. No. 902,270; Oct. 27; Sp. p. 4593; Dr. p. 933; Gaz. vol. 136; p. 1882.
 Scraper-coupling, Adjustable. L. G. Haase. No. 895,631; Aug. 11; Sp. p. 1706; Dr. p. 362; Gaz. vol. 135; p. 1200.
 Scraper, Drag-. A. Conkie. No. 882,053; Mar. 17; Sp. p. 3158; Dr. p. 671; Gaz. vol. 133; p. 574.
 Scraper, Earth-. J. E. Tucker. No. 895,915; Aug. 11; Sp. p. 2273; Dr. pp. 485-6; Gaz. vol. 135; p. 1292.
 Scraper, Excavating-. J. G. Fairbanks. No. 880,643; Mar. 3; Sp. p. 308; Dr. p. 68; Gaz. vol. 133; p. 54.
 Scraper, Floor-. A. Kilbury. No. 876,885; Jan. 14; Sp. p. 2429; Dr. pp. 529-30; Gaz. vol. 132; p. 428.
 Scraper, Foot-. W. W. Lincoln. No. 894,218; July 28; Sp. p. 3850; Dr. p. 797; Gaz. vol. 135; p. 684.
 Scraper for grain-drills or other vehicles, Wheel-. J. Murr. No. 888,524; May 26; Sp. p. 4390; Dr. p. 930; Gaz. vol. 134; p. 806.
 Scraper for kitchen use. M. M. Kindred. No. 896,394; Aug. 18; Sp. p. 3212; Dr. p. 688; Gaz. vol. 135; p. 1468.
 Scraper, Mud-. I. P. Whitaker. No. 904,388; Nov. 17; Sp. p. 3787; Gaz. vol. 137; p. 675.
 Scraper, Road-. C. H. Snyder. No. 889,822; June 2; Sp. p. 1229; Dr. p. 284; Gaz. vol. 134; p. 1259.
 Scraper, Road-. F. Heyer. No. 892,992; July 14; Sp. p. 1242; Dr. pp. 260-1; Gaz. vol. 135; p. 231.
 Scraper, Roll-. W. I. Hill. No. 891,694; June 23; Sp. p. 5110; Dr. p. 1103; Gaz. vol. 134; p. 1965.
 Scraper, Wheel-mounted push-. F. Gehner. No. 895,448; Aug. 11; Sp. p. 1346; Dr. p. 284; Gaz. vol. 135; p. 1141.
 Scraper, Wheeled. N. S. Dunaway. No. 881,669; Mar. 10; Sp. p. 2344; Dr. p. 508; Gaz. vol. 133; p. 421.
 Scrapers, mops, &c., Holder for. N. Svensen. No. 895,813; Aug. 11; Sp. p. 2087; Dr. p. 442; Gaz. vol. 135; p. 1259.
 Screen. See Awning reflector-screen; Bed-screen; Clay-screen; Coal-screen; Extension-screen; Fireplace-screen; Fish-screen; Fly-screen; Fly-escape screen; Gold-washing screen; Grain-screen; Grain-separator screen; Head-screen; Horse eye-screen; Ore-screen; Projecting-apparatus screen; Rolling screen; Rotary screen; Vacuum-actuated screen; Well-screen; Window-screen; Window and door screen; Window or like screen; Wire screen.
 Screen. B. Goodman. No. 884,145; Apr. 7; Sp. p. 1011; Dr. p. 211; Gaz. vol. 133; p. 1347.
 Screen. H. K. Hansen. No. 893,729; July 21; Sp. p. 2830; Dr. p. 581; Gaz. vol. 135; p. 503.
 Screen and washstand, Combined. A. L. Jones. No. 876,807; Jan. 14; Sp. p. 2264; Dr. p. 498; Gaz. vol. 132; p. 402.
 Screen clamp, Coll-. J. McCrystal. No. 900,412; Oct. 6; Sp. p. 717; Dr. p. 150; Gaz. vol. 136; p. 1186.
 Screen-cleaner, Automatic. E. S. Bennett. No. 906,995; Dec. 15; Sp. p. 3618; Dr. p. 1644; Gaz. vol. 137; p. 1644.
 Screen-doors, Fly-protector for. A. Walterbach and L. Heil. No. 884,547; Apr. 14; Sp. p. 1782; Dr. p. 383; Gaz. vol. 133; p. 1506.
 Screen-fastener. E. Sauvageau. No. 877,127; Jan. 21; Sp. p. 2978; Dr. p. 643; Gaz. vol. 132; p. 551.
 Screen-fastener, Adjustable metallic. L. K. Devlin. No. 881,061; Mar. 3; Sp. p. 1130; Dr. p. 245; Gaz. vol. 133; p. 193.
 Screen frame, Adjustable door or window. O. L. Carter. No. 892,132; June 30; Sp. p. 5979; Dr. p. 1285; Gaz. vol. 134; p. 2140.
 Screen frame and joint. F. E. Schumacher. No. 894,289; July 28; Sp. p. 4014; Dr. p. 829; Gaz. vol. 135; p. 707.
 Screen-hanger. E. G. Rust. No. 880,577; Mar. 3; Sp. p. 179; Dr. p. 39; Gaz. vol. 133; p. 32.
 Screen-hanger, Window-. E. P. Bridges. No. 907,728; Dec. 29; Sp. p. 5154; Gaz. vol. 137; p. 1952.
 Screens and other frames, Joint for. F. W. Van Fleet. No. 905,772; Dec. 1; Sp. p. 1305; Gaz. vol. 137; p. 1197.
 Screening apparatus. E. H. Nutter. No. 890,527; June 9; Sp. p. 2666; Dr. pp. 588-9; Gaz. vol. 134; p. 1516.
 Screening-machine. R. P. Cunningham. No. 891,821; June 30; Sp. p. 5387; Dr. p. 1165; Gaz. vol. 134; p. 2040.
 Screening-machine. G. P. and P. D. Burke. No. 901,519; Oct. 20; Sp. p. 3059; Dr. p. 625; Gaz. vol. 136; p. 1611.
 Screw. L. Searelle. No. 877,131; Jan. 21; Sp. p. 2983; Dr. p. 644; Gaz. vol. 132; p. 552.
 Screw and forming machines, Box-tool for. L. S. Brown. No. 892,130; June 30; Sp. p. 5974; Dr. p. 1284; Gaz. vol. 134; p. 2139.
 Screw-cap. R. M. Hollingshead. No. 897,621; Sept. 1; Sp. p. 780; Dr. p. 164; Gaz. vol. 136; p. 124.
 Screw-cutting die-head. A. E. Church. No. 896,711; Aug. 25; Sp. p. 3840; Dr. p. 831; Gaz. vol. 135; p. 1592.
 Screw-cutting die-stock and die. S. S. Rider. No. 896,665; Aug. 18; Sp. p. 3731; Dr. p. 804; Gaz. vol. 135; p. 1554.
 Screw-driver. W. K. Cozad. No. 892,377; June 30; Sp. p. 6427; Dr. p. 1387; Gaz. vol. 134; p. 2217.

Alphabetical list of inventions—Continued.

- Screw-driver. H. O. Harrison. No. 896,107; Aug. 18; Sp. p. 2656; Dr. p. 573; Gaz. vol. 135; p. 1376.
- Screw-driver. J. L. Rollins. No. 902,608; Nov. 3; Sp. p. 159; Gaz. vol. 137; p. 26.
- Screw-driver. C. V. Dodd. No. 903,549; Nov. 10; Sp. p. 2036; Gaz. vol. 137; p. 364.
- Screw-driver. E. M. Winfrey and T. W. Lillins. No. 908,369; Dec. 29; Sp. p. 6493; Gaz. vol. 137; p. 2168.
- Screw-driver and attachment therefor. J. M. Chappel. No. 881,298; Mar. 10; Sp. p. 1619; Dr. p. 346; Gaz. vol. 133; p. 302.
- Screw-driver, Automatic. W. M. Pratt. No. 887,423; May 12; Sp. p. 2238; Dr. p. 469; Gaz. vol. 134; p. 386.
- Screw-driver, Detachable-blade. T. J. Fegley. No. 902,387; Oct. 27; Sp. p. 4844; Dr. p. 980; Gaz. vol. 136; p. 1921.
- Screw-driver, Folding. F. G. Benson. No. 906,855; Dec. 15; Sp. p. 3362; Gaz. vol. 137; p. 1600.
- Screw-driver, Ratchet. J. P. Bartholomay. No. 876,680; Jan. 14; Sp. p. 2047; Dr. p. 446; Gaz. vol. 132; p. 363.
- Screw-drivers, Locking mechanism for ratchet. Z. T. Furbish. No. 902,957; Nov. 3; Sp. p. 853; Gaz. vol. 137; p. 142.
- Screw-driving device. A. Raiche. No. 892,305; June 30; Sp. p. 6314; Dr. p. 1360; Gaz. vol. 134; p. 2198.
- Screw, Expressing or packing. H. Auchu. No. 902,850; Nov. 3; Sp. p. 644; Gaz. vol. 137; p. 108.
- Screw-eye driver. T. J. Fegley. No. 882,937; Mar. 24; Sp. p. 4877; Dr. p. 1066; Gaz. vol. 133; p. 897.
- Screw-fastener. A. C. Chenoweth. No. 906,691; Dec. 15; Sp. p. 3044; Gaz. vol. 137; p. 1548.
- Screw, Foundry-molder's draw-. E. Grant. No. 906,526; Dec. 15; Sp. p. 2742; Gaz. vol. 137; p. 1497.
- Screw head, Jack-. H. D. Crystal. No. 908,210; Dec. 29; Sp. p. 6177; Gaz. vol. 137; p. 2113.
- Screw-jack. F. L. Gormley. No. 898,215; Sept. 8; Sp. p. 1989; Dr. p. 424; Gaz. vol. 136; p. 345.
- Screw-machine. L. W. Noyes. No. 905,352; Dec. 1; Sp. p. 447; Gaz. vol. 137; p. 1058.
- Screw-machine, Automatic. H. B. Lester. No. 876,814; Jan. 14; Sp. p. 2272; Dr. pp. 500-1; Gaz. vol. 132; p. 404.
- Screw-making machine. F. O. Curtis. No. 905,991; Dec. 8; Sp. p. 1735; Gaz. vol. 137; p. 1297.
- Screw-positioning implement. W. A. A. Johnston. No. 896,731; Aug. 25; Sp. p. 3876; Dr. p. 838; Gaz. vol. 135; p. 1599.
- Screw press, Continuous-. R. G. Merz. No. 898,760; Sept. 15; Sp. p. 3039; Dr. pp. 652-3; Gaz. vol. 136; p. 553.
- Screw-propeller. C. Steiger. No. 904,656; Nov. 24; Sp. p. 4360; Gaz. vol. 137; p. 791.
- Screw-propeller. O. P. Eggan. No. 908,226; Dec. 29; Sp. p. 6219; Gaz. vol. 137; p. 2119.
- Screw protector, Set-. P. M. Legere. No. 904,338; Nov. 17; Sp. p. 3709; Gaz. vol. 137; p. 659.
- Screw-punch. F. Torka. No. 905,766; Dec. 1; Sp. p. 1294; Gaz. vol. 137; p. 1194.
- Screw, Set-. L. J. Molloy. No. 907,160; Dec. 22; Sp. p. 3954; Gaz. vol. 137; p. 1733.
- Screw-slotting machine. E. C. Henn. No. 896,537; Aug. 18; Sp. p. 3506; Dr. p. 753; Gaz. vol. 135; p. 1516.
- Screw-thread-forming apparatus. E. F. Moy and P. H. Bastie. No. 885,068; Apr. 21; Sp. p. 2859; Dr. p. 607; Gaz. vol. 133; p. 1707.
- Screw-threading machine. V. Z. Caracristi and G. W. Troxler. No. 885,016; Apr. 21; Sp. p. 2750; Dr. pp. 583-4; Gaz. vol. 133; p. 1691.
- Screw-threading machine. J. O. Dixon and E. S. Mummert. No. 890,848; June 16; Sp. p. 3361; Dr. pp. 736-7; Gaz. vol. 134; p. 1656.
- Screws, &c., Machine for cutting. J. Bowen. No. 882,290; Mar. 17; Sp. p. 3609; Dr. p. 765; Gaz. vol. 133; p. 650.
- Screws, &c., Machine for cutting. J. Bowen. No. 893,431; July 14; Sp. p. 2106; Dr. pp. 441-2; Gaz. vol. 135; p. 374.
- Screws, Manufacture of wood-. W. G. Allen. No. 877,157; Jan. 21; Sp. p. 3033; Dr. p. 657; Gaz. vol. 132; p. 561.
- Scribing mechanism. M. Morton and H. Mann. No. 893,532; July 14; Sp. p. 2319; Dr. p. 486; Gaz. vol. 135; p. 406.
- Scroll-bending machine. V. W. Jewett. No. 896,116; Aug. 18; Sp. p. 2668; Dr. p. 576; Gaz. vol. 135; p. 1379.
- Scrubber and polisher, Floor. T. Z. Mally and A. Pelz. No. 901,978; Oct. 27; Sp. p. 3994; Dr. p. 814; Gaz. vol. 136; p. 1790.
- Scrubbing-machine. F. Bicklein. No. 883,512; Mar. 31; Sp. p. 6060; Dr. pp. 1292-3; Gaz. vol. 133; p. 1115.
- Scrubbing-machine. J. D. Metcalf. No. 885,959; Apr. 28; Sp. p. 4678; Dr. p. 985; Gaz. vol. 133; p. 2020.
- Scrubbing-machine. E. H. Seferian. No. 906,069; Dec. 8; Sp. p. 1874; Gaz. vol. 137; p. 1321.
- Scrubbing-machine, Rotary. T. R. Jenkins. Jr. No. 889,309; June 2; Sp. p. 230; Dr. p. 56; Gaz. vol. 134; p. 1095.
- Sculptor's reproducing-machine. J. B. Salo. No. 888,041; May 19; Sp. p. 3450; Dr. p. 724; Gaz. vol. 134; p. 620.
- Sculpturing apparatus. A. Drexler. No. 905,669; Dec. 1; Sp. p. 1101; Gaz. vol. 137; p. 1161.
- Scutching-machine. W. B. Gray. No. 906,409; Dec. 8; Sp. p. 2513; Gaz. vol. 137; p. 1432.
- Scythes, Manufacture of. A. Meis. No. 897,298; Sept. 1; Sp. p. 55; Dr. p. 14; Gaz. vol. 136; p. 13.
- Sea-groin. J. A. Howland and W. H. De Nyse. No. 897,369; Sept. 1; Sp. p. 262; Dr. p. 54; Gaz. vol. 136; p. 39.
- Sea-wall. F. O. Ray. No. 901,040; Oct. 13; Sp. p. 2049; Dr. p. 416; Gaz. vol. 136; p. 1417.
- Sea-wall, breakwater, and similar structure. W. Smith. No. 905,596; Dec. 1; Sp. p. 972; Gaz. vol. 137; p. 1139.
- Seal. J. G. Swallow. No. 883,501; Mar. 31; Sp. p. 6039; Dr. p. 1288; Gaz. vol. 133; p. 1112.
- Seal. C. Barbieri. No. 887,750; May 19; Sp. p. 2878; Dr. p. 606; Gaz. vol. 134; p. 523.
- Seal. J. C. Davis. No. 887,926; May 19; Sp. p. 3232; Dr. p. 680; Gaz. vol. 134; p. 583.
- Seal. C. J. Reynolds. No. 891,502; June 23; Sp. p. 4696; Dr. p. 1017; Gaz. vol. 134; p. 1901.
- Seal. W. W. Tobey. No. 908,429; Dec. 29; Sp. p. 6626; Gaz. vol. 137; p. 2189.
- Seal and protector for knots. M. Dessauer and S. Baruch. No. 891,603; June 23; Sp. p. 4699; Dr. p. 1056; Gaz. vol. 134; p. 1932.
- Seal-applying machine, Bottle-. E. D. Schmitt. No. 880,406; Feb. 25; Sp. p. 5183; Dr. p. 1092; Gaz. vol. 132; p. 1778.
- Seal, Bottle-. W. S. Dorman. No. 881,780; Mar. 10; Sp. p. 2546; Dr. p. 548; Gaz. vol. 133; p. 455.
- Seal, Bottle-. M. Perez. No. 881,945; Mar. 17; Sp. p. 2924; Dr. p. 624; Gaz. vol. 133; p. 540.
- Seal, Bottle-. S. D. Webb and G. Shilling. No. 885,409; Apr. 21; Sp. p. 3594; Dr. p. 753; Gaz. vol. 133; p. 1820.
- Seal, Bottle-. H. E. Erwin. No. 896,095; Aug. 18; Sp. p. 2624; Dr. p. 563; Gaz. vol. 135; p. 1373.
- Seal, Bottle-. C. Winter. No. 904,875; Nov. 24; Sp. p. 4721; Gaz. vol. 137; p. 849.
- Seal, Box-. G. F. Edgington. No. 877,494; Jan. 28; Sp. p. 3710; Dr. p. 803; Gaz. vol. 132; p. 692.
- Seal, Car-. E. S. Prior. No. 876,838; Jan. 14; Sp. p. 2329; Dr. p. 512; Gaz. vol. 132; p. 412.
- Seal, Car-. H. C. Folger. No. 882,670; Mar. 24; Sp. p. 4333; Dr. p. 922; Gaz. vol. 133; p. 808.
- Seal, Car-. G. Bryar. No. 887,187; May 12; Sp. p. 1669; Dr. p. 354; Gaz. vol. 134; p. 306.
- Seal, Car-. R. C. Pleins. No. 897,848; Sept. 1; Sp. p. 1236; Dr. p. 265; Gaz. vol. 136; p. 196.
- Seal, Car-. A. G. Malmstrom. No. 900,290; Oct. 6; Sp. p. 471; Dr. p. 97; Gaz. vol. 136; p. 140.
- Seal, Car-door. J. F. Wing. No. 889,286; June 2; Sp. p. 183; Dr. p. 46; Gaz. vol. 134; p. 1087.
- Seal, Electrical socket-. L. T. Hatfield. No. 881,683; Mar. 10; Sp. p. 2362; Dr. p. 512; Gaz. vol. 133; p. 424.
- Seal, Envelop-. W. R. Oneal. No. 880,909; Mar. 3; Sp. p. 863; Dr. p. 186; Gaz. vol. 133; p. 155.
- Seal-fastening. T. E. Murray. No. 884,604; Apr. 14; Sp. p. 1900; Dr. p. 408; Gaz. vol. 133; p. 1525.
- Seal-fastening. T. E. Murray. No. 885,634; Apr. 21; Sp. p. 4026; Dr. p. 841; Gaz. vol. 133; p. 1889.
- Seal-fastening. T. E. Murray. No. 886,010; Apr. 23; Sp. p. 4832; Dr. p. 1015; Gaz. vol. 133; p. 2044.
- Seal-fastening. T. E. Murray. No. 894,278; July 28; Sp. p. 3990; Dr. p. 823; Gaz. vol. 135; p. 704.
- Seal-fastening. T. E. Murray. No. 906,052; Dec. 8; Sp. p. 1842; Gaz. vol. 137; p. 1317.
- Seal for pipe-joints. B. F. Shaughnessy. No. 882,350; Mar. 17; Sp. p. 3725; Dr. p. 792; Gaz. vol. 133; p. 671.
- Seal impressing or printing machine. F. Gottschalk. No. 888,889; May 26; Sp. p. 5189; Dr. p. 1101; Gaz. vol. 134; p. 929.
- Seal-lock. C. S. Smith. No. 881,034; Mar. 3; Sp. p. 1084; Dr. p. 235; Gaz. vol. 133; p. 185.
- Seal-lock. L. I. Hamilton. No. 883,638; Mar. 31; Sp. p. 6300; Dr. p. 1344; Gaz. vol. 133; p. 1152.
- Seal-lock. H. V. Conover. No. 878,277; Feb. 4; Sp. p. 786; Dr. p. 157; Gaz. vol. 132; p. 975.
- Seal-lock. W. L. Sebring. No. 892,625; July 7; Sp. p. 446; Dr. p. 97; Gaz. vol. 135; p. 81.
- Seal-lock. J. M. Eedson. No. 897,276; Sept. 1; Sp. p. 26; Dr. p. 7; Gaz. vol. 136; p. 7.
- Seal-lock. S. Schmidl. No. 897,494; Sept. 1; Sp. p. 517; Dr. pp. 109-10; Gaz. vol. 136; p. 82.
- Seal-lock. R. C. Pleins. No. 900,121; Oct. 6; Sp. p. 107; Dr. p. 22; Gaz. vol. 136; p. 1090.
- Seal-lock. H. Elmlblad. No. 904,607; Nov. 24; Sp. p. 4251; Gaz. vol. 137; p. 774.
- Seal-lock. C. W. Gill. No. 907,990; Dec. 29; Sp. p. 5705; Gaz. vol. 137; p. 2039.
- Seal, Mechanical. F. P. Pieggar. No. 895,108; Aug. 4; Sp. p. 673; Dr. p. 141; Gaz. vol. 135; p. 1005.
- Seal, Mechanical. F. P. Pieggar. No. 897,776; Sept. 1; Sp. p. 1086; Dr. p. 233; Gaz. vol. 136; p. 173.
- Seal, Metal. V. Mazzatenta. No. 882,525; Mar. 17; Sp. p. 4046; Dr. p. 861; Gaz. vol. 133; p. 729.
- Seal or fastener, Envelop. E. Merrifield and W. A. Peek. No. 885,501; Apr. 21; Sp. p. 3751; Dr. p. 789; Gaz. vol. 133; p. 1848.
- Seal, Pail-. J. W. Nichols. No. 886,011; Apr. 28; Sp. p. 4833; Dr. p. 1015; Gaz. vol. 133; p. 2044.
- Seal, Self-locking. H. G. Bentley. No. 876,255; Jan. 7; Sp. p. 1103; Dr. p. 239; Gaz. vol. 132; p. 187.
- Seal, Self-locking. I. C. Reesor. No. 896,244; Aug. 18; Sp. p. 2899; Dr. p. 625; Gaz. vol. 135; p. 1421.
- Seals, &c., Fastening-wire for. T. E. Murray. No. 880,688; Mar. 3; Sp. p. 390; Dr. p. 85; Gaz. vol. 133; p. 70.
- Seals on papers, Device for impressing. F. Gottschalk. No. 888,890; May 26; Sp. p. 5191; Dr. p. 1102; Gaz. vol. 134; p. 929.
- Seals on papers, Device for impressing. F. Gottschalk. No. 888,997; May 26; Sp. p. 5394; Dr. p. 1145; Gaz. vol. 134; p. 963.
- Sealer Envelop-. L. O. Stassart. No. 890,812; June 16; Sp. p. 3300; Dr. p. 723; Gaz. vol. 134; p. 1645.
- Sealing and capping bottles. S. C. Bond. No. 899,004; Sept. 15; Sp. p. 3477; Dr. p. 745; Gaz. vol. 136; p. 633.
- Sealing and capping mechanism, Bottle. S. C. Bond. No. 898,959; Sept. 15; Sp. p. 3395; Dr. p. 729; Gaz. vol. 136; p. 618.
- Sealing and opening device for cartons. E. H. Ungemach. No. 903,341; Nov. 10; Sp. p. 1614; Gaz. vol. 137; p. 295.
- Sealing and stamp-affixing machine, Envelop-. L. Robbins. No. 893,546; July 14; Sp. p. 2355; Dr. pp. 493-5; Gaz. vol. 135; p. 411.
- Sealing and stamping machine, Envelop. L. M. Nielsen. No. 879,576; Feb. 18; Sp. p. 3462; Dr. pp. 725-7; Gaz. vol. 132; p. 1472.
- Sealing and vacuum-releasing device, Jar-. J. L. Rollins. No. 876,591; Jan. 14; Sp. p. 1854; Dr. p. 406; Gaz. vol. 132; p. 333.
- Sealing apparatus, Hermetic-. J. Merritt. No. 889,475; June 2; Sp. p. 581; Dr. p. 136; Gaz. vol. 134; p. 1149.

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- Sealing apparatus, Hermetic.- W. A. Lorenz and W. H. Honiss. No. 905,894; Dec. 8; Sp. p. 1540; Gaz. vol. 137; p. 1267.
- Sealing cap, Bottle.- L. Kalling. No. 882,888; Mar. 24; Sp. p. 4773; Dr. p. 1016; Gaz. vol. 133; p. 879.
- Sealing cap, Bottle.- L. Kalling. No. 882,889; Mar. 24; Sp. p. 4774; Dr. p. 1016; Gaz. vol. 133; p. 879.
- Sealing cap, Bottle.- E. D. Betts and E. Vandenberg. No. 886,925; May 5; Sp. p. 1176; Dr. p. 247; Gaz. vol. 134; p. 194.
- Sealing cap, Bottle.- E. J. Godman. No. 888,995; May 26; Sp. p. 5391; Dr. p. 1145; Gaz. vol. 134; p. 962.
- Sealing-cap, Metallic. R. E. Meyer. No. 891,353; June 23; Sp. p. 4396; Dr. p. 957; Gaz. vol. 134; p. 1852.
- Sealing-caps to bottles, Machine for securing. A. Jones. No. 900,550; Oct. 6; Sp. p. 1029; Dr. pp. 209-12; Gaz. vol. 136; p. 1230.
- Sealing cigars, Means for. H. E. Lipscomb and A. H. Andrews. No. 902,240; Oct. 27; Sp. p. 4534; Dr. pp. 918-19; Gaz. vol. 136; p. 1872.
- Sealing device, Bottle.- A. Hostettler. No. 878,287; Feb. 4; Sp. p. 809; Dr. p. 161; Gaz. vol. 132; p. 978.
- Sealing device, Bottle.- F. Dingman. No. 889,874; June 2; Sp. p. 1332; Dr. p. 304; Gaz. vol. 134; p. 1277.
- Sealing device for air-tight vessels. W. G. Wilcox. No. 892,344; June 30; Sp. p. 6384; Dr. p. 1377; Gaz. vol. 134; p. 2210.
- Sealing device for money-bags. M. E. Jewett. No. 881,407; Mar. 10; Sp. p. 1826; Dr. p. 395; Gaz. vol. 133; p. 335.
- Sealing envelopes and affixing stamps thereto, Means for. A. M. Moylan and S. T. Tracy. No. 887,829; May 19; Sp. p. 3044; Dr. pp. 639-41; Gaz. vol. 134; p. 551.
- Sealing fruit-cans and other receptacles, Device for. A. M. Butler. No. 880,969; Mar. 3; Sp. p. 971; Dr. p. 209; Gaz. vol. 133; p. 164.
- Sealing machine, Bottle.- A. L. Weissenthanner. No. 891,511; June 23; Sp. p. 4714; Dr. pp. 1020-3; Gaz. vol. 134; p. 1905.
- Sealing machine, Bottle.- E. J. Godman. No. 892,988; July 14; Sp. p. 1236; Dr. pp. 257-8; Gaz. vol. 135; p. 230.
- Sealing machine, Envelop.- F. A. Norris. No. 877,221; Jan. 21; Sp. p. 3181; Dr. pp. 689-90; Gaz. vol. 132; p. 584.
- Sealing machine, Envelop.- C. J. Fancher and H. S. Parmelee. No. 884,081; Apr. 7; Sp. p. 826; Dr. pp. 175-6; Gaz. vol. 133; p. 1326.
- Sealing machine, Envelop.- C. J. Fancher and H. S. Parmelee. No. 884,082; Apr. 7; Sp. p. 837; Dr. pp. 176-7; Gaz. vol. 133; p. 1326.
- Sealing machine, Envelop.- T. F. Bowes. No. 888,460; May 26; Sp. p. 4270; Dr. p. 904; Gaz. vol. 134; p. 785.
- Sealing machine, Envelop.- J. A. Markoe. No. 891,277; June 23; Sp. p. 4233; Dr. p. 927; Gaz. vol. 134; p. 1827.
- Sealing machine, Envelop.- H. C. Stanley. No. 900,791; Oct. 13; Sp. p. 1534; Dr. p. 312; Gaz. vol. 136; p. 1335.
- Sealing machines, Sealing-head for bottle.- E. D. Schmitt. No. 880,408; Feb. 25; Sp. p. 5186; Dr. p. 1093; Gaz. vol. 132; p. 1778.
- Sealing machines, Sealing-head for bottle.- E. D. Schmitt. No. 880,490; Feb. 25; Sp. p. 5371; Dr. p. 1131; Gaz. vol. 132; p. 1807.
- Sealing means, Vessel.- J. M. Hicks. No. 895,461; Aug. 11; Sp. p. 1385; Dr. p. 291; Gaz. vol. 135; p. 1146.
- Sealing means, Vessel.- J. M. Hicks. No. 899,732; Sept. 29; Sp. p. 4928; Dr. p. 1057; Gaz. vol. 136; p. 931.
- Sealing vessels, Means for. J. A. Hicks. No. 885,846; Apr. 28; Sp. p. 4486; Dr. p. 942; Gaz. vol. 133; p. 1989.
- Seam. S. Borton. No. 883,614; Mar. 31; Sp. p. 6247; Dr. p. 1333; Gaz. vol. 133; p. 1144.
- Seam. S. Borton and L. D. Birge. No. 883,615; Mar. 31; Sp. p. 6252; Dr. p. 1333; Gaz. vol. 133; p. 1145.
- Seam-closer. A. F. Houck. No. 886,214; Apr. 28; Sp. p. 5218; Dr. p. 1099; Gaz. vol. 133; p. 2109.
- Seam for metal pipes, Lock.- W. C. Smith. No. 891,570; June 23; Sp. p. 4834; Dr. p. 1043; Gaz. vol. 134; p. 1923.
- Seam, Ornamental. R. Cornely. No. 881,903; Mar. 17; Sp. p. 2836; Dr. p. 606; Gaz. vol. 133; p. 525.
- Seam-pressing machine, Garment.- H. Lindstrom. No. 879,479; Feb. 18; Sp. p. 3256; Dr. pp. 678-9; Gaz. vol. 132; p. 1439.
- Seaming and corrugating pipes, Machine for. J. J. Heggy. No. 886,975; May 5; Sp. p. 1266; Dr. pp. 267-8; Gaz. vol. 134; p. 210.
- Seaming apparatus, Straight.- O. W. Davis. No. 900,267; Oct. 6; Sp. p. 422; Dr. pp. 85-6; Gaz. vol. 136; p. 1137.
- Seaming-machine. O. S. Beyer. No. 877,480; Jan. 28; Sp. p. 3668; Dr. pp. 495-7; Gaz. vol. 132; p. 686.
- Seaming-machine. S. Opsal. No. 904,009; Nov. 17; Sp. p. 2989; Gaz. vol. 137; p. 546.
- Seaming-machine. F. W. T. Nessler. No. 907,858; Dec. 29; Sp. p. 5414; Gaz. vol. 137; p. 1996.
- Seaming machine, Can-end.- H. H. Lyche and V. Odquist. No. 900,108; Oct. 6; Sp. p. 71; Dr. pp. 13-15; Gaz. vol. 136; p. 1086.
- Seaming machine for cans, Double.- C. J. Rhodes. No. 888,264; May 19; Sp. p. 3862; Dr. p. 812; Gaz. vol. 134; p. 692.
- Seaming machine, Stationary-can double.- F. Rudolph. No. 877,375; Jan. 21; Sp. p. 3463; Dr. pp. 732-3; Gaz. vol. 132; p. 632.
- Search-light for submarine observation. A. L. Farr. No. 895,355; Aug. 4; Sp. p. 1157; Dr. p. 242; Gaz. vol. 135; p. 1087.
- Seat: See Bath-tub seat; Bed-seat; Car-seat; Chair-seat; Closet-seat; Convertible seat; Convertible and interchangeable seat; Folding seat; Locomotive-cab seat; Renewable seat; Spring-seat; Telegraph and telephone pole seat; Toilet-seat; Vehicle-seat; Vehicle folding seat; Wagon-seat; Water-closet seat.
- Seat. F. H. Cullen. No. 886,115; Apr. 28; Sp. p. 5040; Dr. p. 1059; Gaz. vol. 133; p. 2078.
- Seat. H. S. Hale and J. B. Kilburn. No. 895,453; Aug. 11; Sp. p. 1359; Dr. p. 286; Gaz. vol. 135; p. 1142.
- Seat. A. Freschl. No. 897,282; Sept. 1; Sp. p. 34; Dr. p. 9; Gaz. vol. 136; p. 8.
- Seat. J. Solomon and M. Lachman. No. 905,236; Dec. 1; Sp. p. 230; Gaz. vol. 137; p. 1022.
- Seat and table, Combined. M. R. Rodrigues. No. 885,649; Apr. 21; Sp. p. 4066; Dr. p. 850; Gaz. vol. 133; p. 1893.
- Seat-cushion. T. N. Burke. No. 878,040; Feb. 4; Sp. p. 304; Dr. p. 64; Gaz. vol. 132; p. 897.
- Seat for window-cleaning, Folding. C. W. Boost. No. 907,677; Dec. 22; Sp. p. 5060; Gaz. vol. 137; p. 1906.
- Seat-frame. E. G. Budd. No. 887,914; May 19; Sp. p. 3215; Dr. p. 676; Gaz. vol. 134; p. 579.
- Seat-iron. G. W. Luke. No. 883,215; Mar. 31; Sp. p. 5426; Dr. p. 1156; Gaz. vol. 133; p. 1017.
- Seat or stool. H. Sutton. No. 888,366; May 19; Sp. p. 4062; Dr. p. 856; Gaz. vol. 134; p. 723.
- Seat structure, Spring.- J. H. Cook. No. 876,527; Jan. 14; Sp. p. 1714; Dr. p. 372; Gaz. vol. 132; p. 311.
- Seat-supporting device. W. S. Grey. No. 888,799; May 26; Sp. p. 4982; Dr. p. 1063; Gaz. vol. 134; p. 898.
- Seats and the like, Metallic foot for. E. G. Budd. No. 889,197; June 2; Sp. p. 18; Dr. p. 4; Gaz. vol. 134; p. 1060.
- Seating. E. G. Budd. No. 884,710; Apr. 14; Sp. p. 2142; Dr. p. 455; Gaz. vol. 133; p. 1561.
- Seating. E. G. Budd. No. 884,711; Apr. 14; Sp. p. 2144; Dr. p. 456; Gaz. vol. 133; p. 1561.
- Seating. J. B. Kilburn and E. G. Budd. No. 884,736; Apr. 14; Sp. p. 2188; Dr. p. 464; Gaz. vol. 133; p. 1570.
- Seating. H. S. Hale and J. B. Kilburn. No. 894,828; Aug. 4; Sp. p. 56; Dr. pp. 11-12; Gaz. vol. 135; p. 909.
- Secondary battery. W. A. F. Alt. No. 885,562; Apr. 21; Sp. p. 3904; Dr. p. 815; Gaz. vol. 133; p. 1867.
- Secondary battery. R. J. Fleischer. No. 888,602; May 26; Sp. p. 4573; Dr. p. 970; Gaz. vol. 134; p. 835.
- Secondary battery. J. Knobloch. No. 893,330; July 14; Sp. p. 1893; Dr. p. 396; Gaz. vol. 135; p. 341.
- Secondary battery. L. Fiedler. No. 896,981; Aug. 25; Sp. p. 4458; Gaz. vol. 135; p. 1684.
- Secondary battery. W. Morrison. No. 900,571; Oct. 6; Sp. p. 1073; Dr. p. 220; Gaz. vol. 136; p. 1237.
- Secondary combustion, Automatic regulating mechanism for. F. H. Brown. No. 905,644; Dec. 1; Sp. p. 1064; Gaz. vol. 137; p. 1154.
- Secondary or storage battery. C. H. Clare. No. 894,602; July 28; Sp. p. 4647; Dr. pp. 963-4; Gaz. vol. 135; p. 810.
- Section-press and foundation-setting mechanism. C. E. Cox. No. 886,581; May 5; Sp. p. 467; Dr. pp. 99-100; Gaz. vol. 134; p. 85.
- Sectional bit or cutter. C. C. Hansen. No. 887,325; May 12; Sp. p. 2026; Dr. p. 424; Gaz. vol. 134; p. 355.
- Sectional boiler, Vertical. W. M. Mackay. No. 877,937; Feb. 4; Sp. p. 82; Dr. pp. 17-18; Gaz. vol. 132; p. 863.
- Sectional box. O. G. Collier. No. 890,262; June 9; Sp. p. 2145; Dr. p. 470; Gaz. vol. 134; p. 1431.
- Sectional case. A. C. Abramson and W. Person. No. 883,506; Mar. 31; Sp. p. 6045; Dr. p. 1290; Gaz. vol. 133; p. 1113.
- Sectional chair. F. W. Anderson. No. 904,469; Nov. 17; Sp. p. 3962; Gaz. vol. 137; p. 702.
- Sector for dividing-heads, Indicating.- I. Van Hufel, Jr. No. 893,954; July 21; Sp. p. 3277; Dr. p. 674; Gaz. vol. 135; p. 576.
- Securing device. F. L. Beard. No. 885,008; Apr. 21; Sp. p. 2733; Dr. p. 580; Gaz. vol. 133; p. 1688.
- Seed-cleaner. J. H. Hempen. No. 898,883; Sept. 15; Sp. p. 3265; Dr. p. 699; Gaz. vol. 136; p. 594.
- Seed-cleaner and grain-separator. T. J. Hatfield and F. N. Wullenwaber. No. 907,348; Dec. 22; Sp. p. 4330; Gaz. vol. 137; p. 1798.
- Seed-distributor. V. G. Guthrie. No. 894,948; Aug. 4; Sp. p. 344; Dr. pp. 69-70; Gaz. vol. 135; p. 950.
- Seed-drill feed-cup. F. Dahlund. No. 888,963; May 26; Sp. p. 5337; Dr. p. 1133; Gaz. vol. 134; p. 952.
- Seed-dropper. W. B. Parrish. No. 883,563; Mar. 31; Sp. p. 6162; Dr. p. 1311; Gaz. vol. 133; p. 1128.
- Seed-feed device. W. G. Bolus. No. 877,547; Jan. 28; Sp. p. 3840; Dr. p. 831; Gaz. vol. 132; p. 710.
- Seed-grading machine, Cotton.- J. W. Conner. No. 888,000; May 19; Sp. p. 3379; Dr. p. 710; Gaz. vol. 134; p. 607.
- Seed-hopper. O. W. Severson. No. 891,869; June 30; Sp. p. 5475; Dr. p. 1182; Gaz. vol. 134; p. 2055.
- Seed huller, Cotton.- Z. T. Job. No. 885,758; Apr. 28; Sp. p. 4305; Dr. p. 902; Gaz. vol. 133; p. 1959.
- Seed huller, Cotton.- H. L. Cathey. No. 889,869; June 2; Sp. p. 1325; Dr. pp. 302-3; Gaz. vol. 134; p. 1275.
- Seed-linting machine, Cotton.- J. Davidson. No. 882,453; Mar. 17; Sp. p. 3891; Dr. p. 832; Gaz. vol. 133; p. 704.
- Seed-linting machines, Variable float-shaft bearing for cotton.- J. L. Rosson. No. 887,696; May 12; Sp. p. 2753; Dr. p. 582; Gaz. vol. 134; p. 476.
- Seed, Metabolism of. J. von der Kammer. No. 899,306; Sept. 22; Sp. p. 4085; Gaz. vol. 136; p. 759.
- Seed-separator. F. G. Lyman. No. 886,006; Apr. 28; Sp. p. 4825; Dr. p. 1013; Gaz. vol. 133; p. 2043.
- Seed tester and propagator. L. A. Kaump. No. 894,211; July 28; Sp. p. 3835; Dr. pp. 794-5; Gaz. vol. 135; p. 681.
- Seed-tester cup. A. G. Weander. No. 891,450; June 23; Sp. p. 4587; Dr. p. 997; Gaz. vol. 134; p. 1884.
- Seed-testing apparatus. D. W. Miner. No. 894,970; Aug. 4; Sp. p. 384; Dr. p. 78; Gaz. vol. 135; p. 957.
- Seeds, Separating buckhorn and plantain seeds from clover.- J. P. Burgess. No. 878,116; Feb. 4; Sp. p. 447; Dr. p. 95; Gaz. vol. 132; p. 921.
- Seeder. G. E. Swanson. No. 877,966; Feb. 4; Sp. p. 142; Dr. p. 32; Gaz. vol. 132; p. 872.
- Seeder. C. J. Kalkhurst. No. 881,131; Mar. 10; Sp. p. 1275; Dr. p. 274; Gaz. vol. 133; p. 246.
- Seeder attachment. J. W. Hunze. No. 895,022; Aug. 4; Sp. p. 507; Dr. p. 102; Gaz. vol. 135; p. 976.
- Seeder, Broadcast. F. A. Tuttle. No. 886,178; Aug. 18; Sp. p. 2767; Dr. pp. 596-7; Gaz. vol. 135; p. 1397.
- Seeder, Tobacco.- B. Mylor and T. Heady. No. 876,076; Jan. 7; Sp. p. 769; Dr. p. 164; Gaz. vol. 132; p. 130.

Alphabetical list of inventions—Continued.

- Seeders or grain-drills, Cover-retaining mechanism for hoppers of. N. R. Nelson. No. 887,834; May 19; Sp. p. 3055; Dr. p. 642; Gaz. vol. 134; p. 352.
- Seeding-machine. W. L. Paul. No. 877,469; Jan. 21; Sp. p. 3643; Dr. p. 789; Gaz. vol. 132; p. 662.
- Seeding-machine draft mechanism. C. H. Pelton. No. 879,116; Feb. 11; Sp. p. 2527; Dr. p. 525; Gaz. vol. 132; p. 1280.
- Seeding-machine or cotton-planter. W. L. Paul. No. 877,116; Jan. 21; Sp. p. 2939; Dr. pp. 635-6; Gaz. vol. 132; p. 546.
- Seesaw. W. L. Jenkins. No. 880,026; Feb. 25; Sp. p. 4415; Dr. p. 928; Gaz. vol. 132; p. 1652.
- Seesaw. J. H. Wagner. No. 889,562; June 2; Sp. p. 744; Dr. p. 171; Gaz. vol. 134; p. 1177.
- Segregation. A. Junghans. No. 903,725; Nov. 10; Sp. p. 2375; Gaz. vol. 137; p. 418.
- Seines, Attachment for. N. L. Lerille. No. 902,419; Oct. 27; Sp. p. 4907; Dr. p. 994; Gaz. vol. 136; p. 1932.
- Self-acting fender. L. M. Maxham. No. 906,047; Dec. 8; Sp. p. 1834; Gaz. vol. 137; p. 1315.
- Self-cleaning boiler. J. M. Whetstone. No. 895,922; Aug. 11; Sp. p. 2282; Dr. p. 488; Gaz. vol. 135; p. 1294.
- Self-closing lock. A. Nathan. No. 886,538; May 5; Sp. p. 383; Dr. pp. 80-1; Gaz. vol. 134; p. 71.
- Self-exciting generator. E. F. W. Alexanderson and E. H. Widegren. No. 895,933; Aug. 11; Sp. p. 2305; Dr. p. 491; Gaz. vol. 135; p. 1297.
- Self-feeding device. I. G. Berry. No. 885,714; Apr. 28; Sp. p. 4203; Dr. p. 879; Gaz. vol. 133; p. 1944.
- Self-lubricating wheel. C. D. Sensenich. No. 896,502; Aug. 18; Sp. p. 3610; Dr. p. 775; Gaz. vol. 135; p. 1534.
- Self-lubricating wheel. H. Atkinson. No. 901,866; Oct. 20; Sp. p. 3758; Dr. p. 764; Gaz. vol. 136; p. 1722.
- Self-lubricating wheel. W. M. Duncan. No. 903,551; Nov. 10; Sp. p. 2041; Gaz. vol. 137; p. 365.
- Self-measuring tank. J. Heissenberger. No. 879,263; Feb. 18; Sp. p. 2806; Dr. p. 588; Gaz. vol. 132; p. 1370.
- Self-oiling wheel. V. Duff. No. 898,851; Sept. 15; Sp. p. 3210; Dr. p. 688; Gaz. vol. 136; p. 583.
- Self-opening bag. H. G. Widmer. No. 904,168; Nov. 17; Sp. p. 3330; Gaz. vol. 137; p. 601.
- Self-opening die. E. C. Henn. No. 895,636; Aug. 11; Sp. p. 1714; Dr. p. 364; Gaz. vol. 135; p. 1202.
- Self-opening paper bag. H. G. Widmer. No. 904,169; Nov. 17; Sp. p. 3332; Gaz. vol. 137; p. 601.
- Self-players, Pneumatic action for. F. B. Long and E. A. Tappe. No. 895,382; Aug. 4; Sp. p. 1207; Dr. p. 254; Gaz. vol. 135; p. 1096.
- Self-playing instrument. A. J. Bluntach. No. 900,824; Oct. 13; Sp. p. 1609; Dr. pp. 326-7; Gaz. vol. 136; p. 1348.
- Self-playing instruments, Reed mechanism for. G. B. Kelly. No. 891,551; June 25; Sp. p. 4801; Dr. p. 1038; Gaz. vol. 134; p. 1917.
- Self-registering gage. M. S. Shapleigh. No. 901,653; Oct. 20; Sp. p. 3311; Dr. p. 680; Gaz. vol. 136; p. 1652.
- Self-registering lock. H. Latham. No. 876,201; Jan. 7; Sp. p. 995; Dr. p. 216; Gaz. vol. 132; p. 169.
- Self-regulating separator. O. Boyer. No. 895,153; Aug. 4; Sp. p. 744; Dr. pp. 155-6; Gaz. vol. 135; p. 1019.
- Self-rolling ball or globe. A. L. Day. No. 898,334; Sept. 8; Sp. p. 2208; Dr. p. 468; Gaz. vol. 136; p. 382.
- Self-setting trap. J. L. Kindig. No. 888,820; May 26; Sp. p. 5087; Dr. p. 1074; Gaz. vol. 134; p. 905.
- Self-starter. W. O. Lum. No. 884,511; Apr. 14; Sp. p. 1706; Dr. p. 367; Gaz. vol. 133; p. 1494.
- Self-tightening joint. J. Heber. No. 896,727; Aug. 25; Sp. p. 3870; Dr. p. 837; Gaz. vol. 135; p. 1597.
- Selling apparatus, Automatic. F. Rafoth. No. 902,908; Nov. 3; Sp. p. 764; Gaz. vol. 137; p. 126.
- Selling apparatus for stamps, tickets, and the like, Coin-controlled. C. R. Wedelin. No. 879,991; Feb. 25; Sp. p. 4343; Dr. pp. 910-11; Gaz. vol. 132; p. 1641.
- Selling machine, Newspaper-. A. G. Jackson. No. 897,744; Sept. 1; Sp. p. 1014; Dr. p. 215; Gaz. vol. 136; p. 164.
- Semaphore. W. P. Hall. No. 906,707; Dec. 15; Sp. p. 3070; Gaz. vol. 137; p. 1553.
- Semaphore. J. Erickson. No. 907,482; Dec. 22; Sp. p. 4617; Gaz. vol. 137; p. 1843.
- Semaphore mechanism, Electrically-operated. J. F. Webb, Jr. No. 904,741; Nov. 24; Sp. p. 4536; Gaz. vol. 137; p. 820.
- Semaphore-signal. R. Herman. No. 876,962; Jan. 21; Sp. p. 2623; Dr. p. 570; Gaz. vol. 132; p. 495.
- Semaphore-signal. W. V. Brown and A. G. Clark. No. 894,591; July 28; Sp. p. 4611; Dr. pp. 956-7; Gaz. vol. 135; p. 806.
- Semi-vest and trousers. J. Bloch. No. 891,977; June 30; Sp. p. 5699; Dr. p. 1227; Gaz. vol. 134; p. 2091.
- Sensitive sheets, Device for successively exposing. C. F. Goerz. No. 877,499; Jan. 28; Sp. p. 3721; Dr. p. 805; Gaz. vol. 132; p. 694.
- Separating incombustible materials having different melting temperatures. M. Leitch. No. 883,208; Mar. 31; Sp. p. 1411; Dr. p. 1153; Gaz. vol. 133; p. 1015.
- Separating iron particles from chaff and the like by means of magnets, Device for. J. Hagmüller. No. 885,245; Apr. 21; Sp. p. 3256; Dr. p. 680; Gaz. vol. 133; p. 1766.
- Separating-machine. W. A. Trescott. No. 880,603; Mar. 3; Sp. p. 235; Dr. p. 49; Gaz. vol. 133; p. 41.
- Separating-machine. W. A. Trescott. No. 896,776; Aug. 25; Sp. p. 3980; Dr. p. 856; Gaz. vol. 135; p. 1615.
- Separating-machine, Centrifugal. H. M. Goodman. No. 879,255; Feb. 18; Sp. p. 2789; Dr. p. 585; Gaz. vol. 132; p. 1367.
- Separating-machine for lignin, cellulose, and the like, Horizontal centrifugal. P. Friem. No. 897,144; Aug. 25; Sp. p. 4783; Dr. p. 1018; Gaz. vol. 135; p. 1739.
- Separating mechanism. J. F. Senter. No. 897,161; Aug. 25; Sp. p. 4807; Dr. p. 1023; Gaz. vol. 135; p. 1743.
- Separating system. T. T. Crozier. No. 889,604; June 2; Sp. p. 916; Dr. p. 213; Gaz. vol. 134; p. 1209.
- Separating-table. H. M. Sutton, W. L. and E. G. Steele. No. 898,020; Sept. 8; Sp. p. 1615; Dr. pp. 344-6; Gaz. vol. 136; p. 285.
- Separation of reaction products resulting from the sulfonation of aromatic bodies, Approximate. W. Miersch. No. 889,799; June 2; Sp. p. 1182; Dr. p. 273; Gaz. vol. 134; p. 1251.
- Separator: See Air-separator; Air and dust separator; Ash-separator; Battery-separator; Butter-separator; Carriage-top bow-separator; Centrifugal separator; Chaff-separator; Coal-separator; Corn-separator; Cotton-separator; Cream-separator; Cream and butter separator; Dielectric separator; Dust-separator; Electric separator; Foundry-separator; Gold-separator; Grain-separator; Grain and seed separator; Graphite-separator; Hydraulic separator; Liquid-separator; Magnetic separator; Needle-separator; Ore-separator; Pea-separator; Seed-separator; Self-regulating separator; Slime-separator; Slimes-separator; Steam-separator; Stone-separator; Water and steam separator.
- Separator. R. Scheibe. No. 881,723; Mar. 10; Sp. p. 2453; Dr. p. 528; Gaz. vol. 133; p. 437.
- Separator. E. J. Vaudreuil. No. 882,084; Mar. 17; Sp. p. 3217; Dr. p. 683; Gaz. vol. 133; p. 585.
- Separator. H. J. Sisty. No. 882,177; Mar. 17; Sp. p. 3397; Dr. p. 722; Gaz. vol. 133; p. 614.
- Separator. J. E. Purser. No. 883,826; Apr. 7; Sp. p. 311; Dr. p. 58; Gaz. vol. 133; p. 1241.
- Separator. H. Ruddick. No. 889,811; June 2; Sp. p. 1206; Dr. p. 278; Gaz. vol. 134; p. 1255.
- Separator. R. W. Jessup. No. 891,424; June 23; Sp. p. 4545; Dr. p. 988; Gaz. vol. 134; p. 1876.
- Separator. A. P. Wetterauer. No. 893,824; July 21; Sp. p. 3025; Dr. p. 619; Gaz. vol. 135; p. 534.
- Separator. J. H. Rector. No. 895,040; Aug. 4; Sp. p. 538; Dr. pp. 109-10; Gaz. vol. 135; p. 982.
- Separator. F. Pardee. No. 895,889; Aug. 11; Sp. p. 2228; Dr. pp. 475-6; Gaz. vol. 135; p. 1284.
- Separator. C. J. Reilly. No. 903,609; Nov. 10; Sp. p. 2159; Gaz. vol. 137; p. 383.
- Separator. W. R. Fales and L. F. N. Baldwin. No. 907,762; Dec. 29; Sp. p. 5228; Gaz. vol. 137; p. 1965.
- Separator. A. J. Koistinen. No. 908,012; Dec. 29; Sp. p. 5753; Gaz. vol. 137; p. 2046.
- Separator-drums, Guiding device for suspended. I. P. B. Knudsen. No. 880,383; Feb. 25; Sp. p. 5127; Dr. p. 1083; Gaz. vol. 132; p. 1765.
- Separator for collated articles. B. F. Ennis. No. 876,627; Jan. 14; Sp. p. 1943; Dr. pp. 423-4; Gaz. vol. 132; p. 346.
- Separator liner, Centrifugal-. O. Ohlsson. No. 882,119; Mar. 17; Sp. p. 3271; Dr. p. 696; Gaz. vol. 133; p. 595.
- Separator system, Pneumatic. W. S. Osborne. No. 878,665; Feb. 11; Sp. p. 1654; Dr. p. 341; Gaz. vol. 132; p. 1138.
- Separators, Feed device for centrifugal. E. A. Forsberg. No. 903,369; Nov. 10; Sp. p. 1661; Gaz. vol. 137; p. 304.
- Separators, Feed for grain, ore, and mineral. W. Gray. No. 891,688; June 23; Sp. p. 5103; Dr. p. 1101; Gaz. vol. 134; p. 1963.
- Serums and other substances, Apparatus for containing and injecting. J. L. Overton. No. 877,946; Feb. 4; Sp. p. 102; Dr. p. 24; Gaz. vol. 132; p. 866.
- Service-box. W. Dennison. No. 879,370; Feb. 18; Sp. p. 3021; Dr. p. 630; Gaz. vol. 132; p. 1405.
- Service-box, Extension. F. M. Jacob. No. 906,886; Dec. 15; Sp. p. 3427; Gaz. vol. 137; p. 1610.
- Serving apparatus. C. N. Hooper. No. 885,925; Apr. 28; Sp. p. 4652; Dr. pp. 979-80; Gaz. vol. 133; p. 2015.
- Serving-table. H. Vogler. No. 877,812; Jan. 28; Sp. p. 4315; Dr. p. 937; Gaz. vol. 132; p. 793.
- Settee, Hall, convention, and camp-meeting. J. W. Huebner. No. 897,371; Sept. 1; Sp. p. 265; Dr. p. 54; Gaz. vol. 136; p. 40.
- Sewage-disposal apparatus. J. H. Kinealy. No. 880,540; Mar. 3; Sp. p. 87; Dr. p. 20; Gaz. vol. 133; p. 19.
- Sewage-disposal apparatus. F. C. Matthias. No. 890,433; June 9; Sp. p. 2491; Dr. pp. 551-2; Gaz. vol. 134; p. 1486.
- Sewage disposal, System of. F. P. Smith. No. 891,742; June 23; Sp. p. 5191; Dr. p. 1122; Gaz. vol. 134; p. 1979.
- Sewage-distributor. J. W. Hartley. No. 904,324; Nov. 17; Sp. p. 3683; Gaz. vol. 137; p. 655.
- Sewage-ejector. W. McClintock. No. 877,794; Jan. 28; Sp. p. 4288; Dr. p. 931; Gaz. vol. 132; p. 788.
- Sewage-ejector. W. McClintock. No. 884,406; Apr. 14; Sp. p. 1490; Dr. p. 320; Gaz. vol. 133; p. 1461.
- Sewage liquefying and purifying apparatus, Portable. F. J. Commelin. No. 875,984; Jan. 7; Sp. p. 585; Dr. p. 125; Gaz. vol. 132; p. 101.
- Sewage, Treating. C. C. E. Beddoes. No. 895,229; Aug. 4; Sp. p. 905; Dr. p. 190; Gaz. vol. 135; p. 1046.
- Sewage-treating apparatus. A. I. Joseph. No. 877,569; Jan. 28; Sp. p. 3872; Dr. p. 837; Gaz. vol. 132; p. 717.
- Sewer-cap, Artificial-stone. E. F. Kennelly. No. 881,003; Mar. 3; Sp. p. 1027; Dr. p. 222; Gaz. vol. 133; p. 175.
- Sewer-cap, Artificial-stone. E. F. Kennelly. No. 901,536; Oct. 20; Sp. p. 3087; Dr. p. 631; Gaz. vol. 136; p. 1616.
- Sewer-cleaning apparatus. J. Kelly. No. 896,835; Aug. 25; Sp. p. 4128; Dr. p. 885; Gaz. vol. 135; p. 1636.
- Sewer-cleaning apparatus. W. H. Stewart. No. 903,022; Nov. 3; Sp. p. 991; Gaz. vol. 137; p. 163.

Alphabetical list of inventions—Continued.

- Sewer-cleaning apparatus. J. Kelly. No. 906,034; Dec. 8; Sp. p. 1811; Gaz. vol. 137; p. 1311.
- Sewer construction. A. J. Galvin. No. 882,940; Mar. 24; Sp. p. 4883; Dr. p. 1036; Gaz. vol. 133; p. 898.
- Sewer construction. A. J. Galvin. No. 882,941; Mar. 24; Sp. p. 4885; Dr. p. 1037; Gaz. vol. 133; p. 898.
- Sewer-mold. K. O. Guthrie. No. 883,194; Mar. 31; Sp. p. 5382; Dr. pp. 1146-7; Gaz. vol. 133; p. 1010.
- Sewer-trap. F. A. Radcliffe. No. 886,405; May 5; Sp. p. 133; Dr. p. 26; Gaz. vol. 134; p. 27.
- Sewed articles, Seam for. J. P. Weis. No. 877,275; Jan. 21; Sp. p. 3282; Dr. p. 710; Gaz. vol. 132; p. 601.
- Sewed articles, Seam for. T. Libby. No. 892,438; July 7; Sp. p. 92; Dr. p. 21; Gaz. vol. 135; p. 20.
- Sewed articles, Seam for. W. Arbetter. No. 894,567; July 28; Sp. p. 4574; Dr. p. 947; Gaz. vol. 135; p. 799.
- Sewing and embroidering machine. J. Fink. No. 896,369; Aug. 31; Dr. 18; Sp. p. 72; p. 681; Gaz. vol. 135; p. 1460.
- Sewing and other machine work-holder. W. W. Sefton and A. H. Glendinning. No. 906,311; Dec. 8; Sp. p. 2348; Gaz. vol. 137; p. 1403.
- Sewing and ruffling machine. R. G. Woodward. No. 891,789; June 23; Sp. p. 5291; Dr. pp. 1145-6; Gaz. vol. 134; p. 1998.
- Sewing and trimming machine. G. Scott. No. 902,453; Oct. 27; Sp. p. 4998; Dr. pp. 1010-11; Gaz. vol. 136; p. 1944.
- Sewing and trimming machine. J. Hayes, Jr. and J. Berger, Jr. No. 902,532; Oct. 27; Sp. p. 5190; Dr. p. 1049; Gaz. vol. 136; p. 1972.
- Sewing attachment, Button-. W. S. and H. H. Holdaway. No. 882,314; Mar. 17; Sp. p. 3657; Dr. p. 776; Gaz. vol. 133; p. 659.
- Sewingawl. P. M. Bequette. No. 906,372; Dec. 8; Sp. p. 2457; Gaz. vol. 137; p. 1422.
- Sewing buttons to the uppers of boots or shoes, Machine for. J. Mathison. No. 902,828; Nov. 3; Sp. p. 583; Gaz. vol. 137; p. 100.
- Sewing-chair. E. Bailey. No. 884,554; Apr. 14; Sp. p. 1794; Dr. p. 386; Gaz. vol. 133; p. 1509.
- Sewing implements and materials or the like, Holder for. A. Mützell. No. 893,643; July 21; Sp. p. 2579; Dr. p. 537; Gaz. vol. 135; p. 473.
- Sewing-machine. H. A. Klemm. No. 877,508; Jan. 28; Sp. p. 3739; Dr. pp. 809-10; Gaz. vol. 132; p. 696.
- Sewing-machine. R. G. Woodward. No. 878,442; Feb. 4; Sp. p. 1091; Dr. p. 223; Gaz. vol. 132; p. 1028.
- Sewing-machine. J. Fink. No. 880,133; Feb. 25; Sp. p. 4021; Dr. p. 975; Gaz. vol. 132; p. 1686.
- Sewing-machine. H. E. La Plant. No. 880,890; Mar. 3; Sp. p. 830; Dr. p. 176; Gaz. vol. 133; p. 139.
- Sewing-machine. W. F. Arndt and H. M. Hamilton. No. 881,233; Mar. 10; Sp. p. 1557; Dr. pp. 339-41; Gaz. vol. 133; p. 296.
- Sewing-machine. E. B. Allen. No. 882,484; Mar. 17; Sp. p. 3944; Dr. pp. 843-4; Gaz. vol. 133; p. 714.
- Sewing-machine. J. C. Goodwin. No. 884,579; Apr. 14; Sp. p. 1841; Dr. p. 395; Gaz. vol. 133; p. 1517.
- Sewing-machine. L. A. Wilkinson and J. C. Goodwin. No. 884,629; Apr. 14; Sp. p. 1943; Dr. pp. 417-18; Gaz. vol. 133; p. 1532.
- Sewing-machine. C. G. Kramer. No. 885,624; Apr. 21; Sp. p. 4009; Dr. p. 837; Gaz. vol. 133; p. 1885.
- Sewing-machine. R. G. Woodward. No. 890,582; June 9; Sp. p. 2777; Dr. pp. 614-15; Gaz. vol. 134; p. 1535.
- Sewing-machine. H. N. Lee. No. 891,843; June 30; Sp. p. 5422; Dr. p. 1172; Gaz. vol. 134; p. 2046.
- Sewing-machine. R. Brown. No. 892,643; July 7; Sp. p. 487; Dr. pp. 103-4; Gaz. vol. 135; p. 87.
- Sewing-machine. J. Diehl. No. 894,486; July 28; Sp. p. 4413; Dr. p. 912; Gaz. vol. 135; p. 773.
- Sewing-machine. C. A. Dearborn. No. 894,819; Aug. 4; Sp. p. 33; Dr. pp. 7-8; Gaz. vol. 135; p. 906.
- Sewing-machine. E. J. Toof. No. 896,069; Aug. 11; Sp. p. 2579; Dr. p. 560; Gaz. vol. 135; p. 1342.
- Sewing-machine. W. C. Free and J. B. Angove. No. 898,976; Sept. 15; Sp. p. 3429; Dr. p. 736; Gaz. vol. 136; p. 624.
- Sewing-machine. F. Wever. No. 902,353; Oct. 27; Sp. p. 4791; Dr. p. 967; Gaz. vol. 136; p. 1912.
- Sewing-machine. J. Bolton and J. Weiss. No. 903,439; Nov. 10; Sp. p. 1793; Gaz. vol. 137; p. 326.
- Sewing-machine. F. English. No. 904,854; Nov. 24; Sp. p. 4790; Gaz. vol. 137; p. 859.
- Sewing-machine. J. J. Heys. No. 905,311; Dec. 1; Sp. p. 346; Gaz. vol. 137; p. 1044.
- Sewing-machine. J. French. No. 907,027; Dec. 15; Sp. p. 3673; Gaz. vol. 137; p. 1654.
- Sewing-machine. W. M. Ammerman. No. 907,436; Dec. 22; Sp. p. 4522; Gaz. vol. 137; p. 1827.
- Sewing-machine. E. G. Fellows. No. 907,485; Dec. 22; Sp. p. 4621; Gaz. vol. 137; p. 1844.
- Sewing-machine-actuating means. J. Diehl. No. 908,215; Dec. 29; Sp. p. 6190; Gaz. vol. 137; p. 2115.
- Sewing-machine angle-sewing attachment. W. Wilson. No. 886,568; May 5; Sp. p. 441; Dr. p. 94; Gaz. vol. 134; p. 81.
- Sewing-machine attachment. A. Eiben and A. Gyureso. No. 877,837; Jan. 28; Sp. p. 4373; Dr. pp. 950-1; Gaz. vol. 132; p. 802.
- Sewing-machine attachment. B. Fleigel. No. 878,718; Feb. 11; Sp. p. 1758; Dr. p. 364; Gaz. vol. 132; p. 1155.
- Sewing-machine attachment. F. J. Kaufmann. No. 881,187; Mar. 10; Sp. p. 1380; Dr. pp. 297-8; Gaz. vol. 133; p. 264.
- Sewing-machine attachment. G. B. Meeker. No. 884,833; Apr. 14; Sp. p. 2386; Dr. p. 502; Gaz. vol. 133; p. 1602.
- Sewing-machine attachment. L. M. Tynes. No. 902,698; Nov. 3; Sp. p. 329; Gaz. vol. 137; p. 55.
- Sewing-machine attachment for making zigzag stitches. A. Morin. No. 907,627; Dec. 22; Sp. p. 4923; Gaz. vol. 137; p. 1889.
- Sewing-machine attachment-holder. H. M. Greist. No. 900,067; Sept. 29; Sp. p. 5668; Dr. p. 1211; Gaz. vol. 136; p. 1042.
- Sewing-machine attachment-holder. P. R. Greist. No. 900,070; Sept. 29; Sp. p. 5674; Dr. p. 1212; Gaz. vol. 136; p. 1043.
- Sewing machine, Bale or bag. A. von Hasperg. No. 904,531; Nov. 24; Sp. p. 4112; Gaz. vol. 137; p. 749.
- Sewing-machine bed-plate. C. Winkel. No. 901,032; Oct. 13; Sp. p. 2070; Dr. p. 421; Gaz. vol. 136; p. 1421.
- Sewing-machine bed-plate or work-support. C. T. E. Gould. No. 884,482; Apr. 14; Sp. p. 1646; Dr. pp. 353-4; Gaz. vol. 133; p. 1485.
- Sewing-machine binder attachment. J. Taiz. No. 894,761; July 28; Sp. p. 4931; Dr. p. 1027; Gaz. vol. 135; p. 861.
- Sewing-machine binding attachment. A. Rontke. No. 882,480; Mar. 17; Sp. p. 3937; Dr. p. 842; Gaz. vol. 133; p. 712.
- Sewing-machine binding attachment. W. Wilson. No. 886,567; May 5; Sp. p. 439; Dr. p. 94; Gaz. vol. 134; p. 81.
- Sewing-machine binding attachment. F. Wever. No. 891,310; June 23; Sp. p. 4311; Dr. pp. 940-1; Gaz. vol. 134; p. 1838.
- Sewing-machine, Blindstitching. C. Scudder and F. Corvell. No. 894,541; July 28; Sp. p. 4506; Dr. pp. 935-7; Gaz. vol. 135; p. 790.
- Sewing-machine bobbin-carrier. P. Anschütz. No. 888,684; May 26; Sp. p. 4745; Dr. p. 1009; Gaz. vol. 134; p. 861.
- Sewing-machine bobbin-holder. C. B. Atwood. No. 891,028; June 16; Sp. p. 3742; Dr. pp. 816-17; Gaz. vol. 134; p. 1715.
- Sewing-machine bobbin-holding attachment. A. W. Christensen. No. 890,605; June 16; Sp. p. 2857; Dr. p. 629; Gaz. vol. 134; p. 1575.
- Sewing machine, Book-. C. Joos. No. 885,053; Apr. 21; Sp. p. 2832; Dr. pp. 599-603; Gaz. vol. 133; p. 1703.
- Sewing machine, Boot and shoe. N. H. Murphy and G. H. Putnam. No. 876,482; Jan. 14; Sp. p. 1604; Dr. p. 345; Gaz. vol. 132; p. 294.
- Sewing machine, Boot and shoe. M. T. Denne. No. 883,300; Mar. 31; Sp. p. 5610; Dr. p. 1196; Gaz. vol. 133; p. 1045.
- Sewing-machine braider or corder. P. R. Greist. No. 900,069; Sept. 29; Sp. p. 5673; Dr. p. 1211; Gaz. vol. 136; p. 1043.
- Sewing machine, Button-. B. T. Leveque. No. 886,826; May 5; Sp. p. 998; Dr. p. 210; Gaz. vol. 134; p. 163.
- Sewing-machine button-sewing attachment. C. E. Ongley. No. 893,538; July 14; Sp. p. 2341; Dr. p. 490; Gaz. vol. 135; p. 409.
- Sewing machine, Buttonhole-. D. Mills. No. 908,302; Dec. 29; Sp. p. 6347; Gaz. vol. 137; p. 2144.
- Sewing machine, Buttonhole-. D. Mills. No. 908,303; Dec. 29; Sp. p. 6352; Gaz. vol. 137; p. 2144.
- Sewing-machine buttonhole-sewing attachment. C. E. Ongley. No. 894,977; Aug. 4; Sp. p. 407; Dr. pp. 82-3; Gaz. vol. 135; p. 960.
- Sewing-machine cabinet. J. O. Pettet. No. 880,298; June 9; Sp. p. 2242; Dr. pp. 492-3; Gaz. vol. 134; p. 1444.
- Sewing machine, Carpet-. C. R. Fisk. No. 885,672; Apr. 21; Sp. p. 4108; Dr. pp. 860-1; Gaz. vol. 133; p. 1901.
- Sewing machine, Chain-stitch shoe-. J. J. Heys. No. 902,880; Nov. 3; Sp. p. 713; Gaz. vol. 137; p. 118.
- Sewing-machine embroidering attachment. G. F. Lick. No. 906,903; Dec. 15; Sp. p. 3455; Gaz. vol. 137; p. 1616.
- Sewing-machine feed mechanism. C. F. and M. T. Goforth. No. 889,119; May 26; Sp. p. 5639; Dr. p. 1194; Gaz. vol. 134; p. 1002.
- Sewing-machine feeding mechanism. D. Noble and J. S. Finch. No. 882,266; Mar. 17; Sp. p. 3568; Dr. pp. 756-7; Gaz. vol. 133; p. 643.
- Sewing-machine feeding mechanism. C. V. Ericson. No. 896,522; Aug. 18; Sp. p. 3482; Dr. p. 748; Gaz. vol. 135; p. 1511.
- Sewing-machine feeding mechanism. E. F. Durand. No. 901,792; Oct. 20; Sp. p. 3632; Dr. pp. 735-6; Gaz. vol. 136; p. 1700.
- Sewing-machine felling attachment. G. J. Stevens. No. 896,948; Aug. 25; Sp. p. 4369; Dr. pp. 936-7; Gaz. vol. 135; p. 1673.
- Sewing-machine fly-wheel. W. W. Gould. No. 898,639; Sept. 15; Sp. p. 2829; Dr. p. 603; Gaz. vol. 136; p. 515.
- Sewing-machine folding and taping guide. W. L. Swift. No. 889,063; May 26; Sp. p. 5504; Dr. p. 1170; Gaz. vol. 134; p. 984.
- Sewing-machine for finishing buttonhole-pieces, &c. H. E. Hill. No. 889,882; June 2; Sp. p. 1346; Dr. pp. 307-8; Gaz. vol. 134; p. 1279.
- Sewing-machine for overedge-stitching. K. Helvoigt. No. 887,477; May 12; Sp. p. 2342; Dr. pp. 490-3; Gaz. vol. 134; p. 404.
- Sewing-machine for sewing straw plait. G. Fischer. No. 899,392; Sept. 22; Sp. p. 4230; Dr. pp. 905-8; Gaz. vol. 136; p. 785.
- Sewing-machine gage. J. A. Flood. No. 876,162; Jan. 7; Sp. p. 925; Dr. p. 199; Gaz. vol. 132; p. 157.
- Sewing-machine gage. M. Pose. No. 883,532; Mar. 31; Sp. p. 6097; Dr. p. 1297; Gaz. vol. 133; p. 1119.
- Sewing-machine gage. M. J. O'Donnell. No. 895,494; Aug. 11; Sp. p. 1446; Dr. p. 303; Gaz. vol. 135; p. 1157.
- Sewing-machine grinder attachment. W. E. Graves. No. 897,252; Aug. 25; Sp. p. 5094; Dr. pp. 1062-3; Gaz. vol. 135; p. 1777.
- Sewing-machine guard attachment. E. R. Bailey. No. 892,794; July 7; Sp. p. 789; Dr. p. 166; Gaz. vol. 135; p. 135.
- Sewing-machine guide, Folding. J. F. Foschinbaun. No. 879,621; Feb. 18; Sp. p. 3571; Dr. p. 748; Gaz. vol. 132; p. 1486.
- Sewing-machine guiding attachment for edging. R. G. Woodward. No. 895,394; Aug. 4; Sp. p. 1226; Dr. p. 259; Gaz. vol. 135; p. 1099.
- Sewing-machine hammer. A. Laubscher. No. 899,544; Sept. 29; Sp. p. 4551; Dr. pp. 978-9; Gaz. vol. 136; p. 871.
- Sewing-machine, Hemstitch. M. Hemle. No. 883,879; Apr. 7; Sp. p. 424; Dr. p. 84; Gaz. vol. 133; p. 1258.
- Sewing-machine, Lock-stitch. F. W. Merrick. No. 906,730; Dec. 15; Sp. p. 3121; Gaz. vol. 137; p. 1561.
- Sewing-machine loop-taker-actuating mechanism. P. Diehl. No. 880,200; Feb. 25; Sp. p. 4769; Dr. p. 1010; Gaz. vol. 132; p. 1709.
- Sewing-machine looper mechanism. W. V. Miller. No. 903,749; Nov. 10; Sp. p. 2420; Gaz. vol. 137; p. 425.
- Sewing-machine looper mechanism. W. M. Ammerman. No. 905,488; Dec. 1; Sp. p. 761; Gaz. vol. 137; p. 1106.
- Sewing-machine looper-operating mechanism. L. Onderdonk. No. 903,226; Nov. 10; Sp. p. 1391; Gaz. vol. 137; p. 257.
- Sewing-machine needle. A. M. Carlsen. No. 879,608; Feb. 18; Sp. p. 3549; Dr. p. 742; Gaz. vol. 132; p. 1482.
- Sewing-machine needle. J. E. Ridgway. No. 884,857; Apr. 14; Sp. p. 2450; Dr. p. 515; Gaz. vol. 133; p. 1610.
- Sewing-machine needle. A. G. Bradley. No. 899,381; Sept. 22; Sp. p. 4217; Dr. p. 902; Gaz. vol. 136; p. 782.
- Sewing-machine needle-guard. D. W. Corey. No. 898,403; Sept. 8; Sp. p. 2332; Dr. p. 495; Gaz. vol. 136; p. 406.

Alphabetical list of inventions—Continued.

- Sewing-machine needle-threader. A. Anderson. No. 906,985; Dec. 15; Sp. p. 3597; Gaz. vol. 137; p. 1641.
- Sewing-machine, Overseaming. R. L. Plumley. No. 897,486; Sept. 1; Sp. p. 498; Dr. pp. 105-6; Gaz. vol. 136; p. 79.
- Sewing-machine presser-foot. J. M. Merrow. No. 881,816; Mar. 10; Sp. p. 2622; Dr. p. 563; Gaz. vol. 133; p. 467.
- Sewing-machine ruffler attachment. W. M. Ammerman. No. 879,433; Feb. 18; Sp. p. 3165; Dr. p. 658; Gaz. vol. 132; p. 1426.
- Sewing-machine ruffler attachment. A. G. Lamb. No. 882,323; Mar. 17; Sp. p. 3672; Dr. p. 780; Gaz. vol. 133; p. 662.
- Sewing-machine ruffling mechanism. A. Laubscher. No. 882,254; Mar. 17; Sp. p. 3534; Dr. pp. 749-50; Gaz. vol. 133; p. 638.
- Sewing machine, Shoe. C. L. Eaton. No. 877,556; Jan. 28; Sp. p. 3852; Dr. pp. 833-4; Gaz. vol. 132; p. 712.
- Sewing machine, Shoe. J. T. McIsaacs. No. 887,957; May 19; Sp. p. 3294; Dr. p. 692; Gaz. vol. 134; p. 593.
- Sewing machine, Shoe. E. E. Winkley. No. 887,991; May 19; Sp. p. 3362; Dr. p. 706; Gaz. vol. 134; p. 604.
- Sewing machine, Shoe. F. J. Freese. No. 895,623; Aug. 11; Sp. p. 1696; Dr. p. 360; Gaz. vol. 135; p. 1198.
- Sewing machine, Shoe. F. Chateaufneuf. No. 900,353; Oct. 6; Sp. p. 586; Dr. p. 121; Gaz. vol. 136; p. 1165.
- Sewing-machine shuttle. C. F. Zanzig. No. 883,824; Apr. 28; Sp. p. 4440; Dr. p. 933; Gaz. vol. 133; p. 1982.
- Sewing-machine shuttle. C. F. and M. T. Goforth. No. 887,039; May 5; Sp. p. 1392; Dr. p. 296; Gaz. vol. 134; p. 231.
- Sewing-machine shuttles, Bobbin-holder for. H. A. Bates. No. 889,501; June 2; Sp. p. 627; Dr. p. 146; Gaz. vol. 134; p. 1157.
- Sewing-machine stop-motion. H. W. Slater and J. T. Hogan. No. 894,073; July 21; Sp. p. 3540; Dr. pp. 725-6; Gaz. vol. 135; p. 616.
- Sewing-machine stopping-gear. J. Beattie. No. 888,957; May 26; Sp. p. 5326; Dr. p. 1130; Gaz. vol. 134; p. 950.
- Sewing-machine stopping mechanism. H. C. Miller. No. 876,211; Jan. 7; Sp. p. 1017; Dr. pp. 220-1; Gaz. vol. 132; p. 173.
- Sewing-machine strip-guide. A. Laubscher. No. 882,473; Mar. 17; Sp. p. 3929; Dr. p. 840; Gaz. vol. 133; p. 710.
- Sewing-machine table. E. C. Saettler. No. 889,050; May 26; Sp. p. 5482; Dr. p. 1106; Gaz. vol. 134; p. 980.
- Sewing-machine table or cabinet. T. Kundtz. No. 880,224; Feb. 25; Sp. p. 4828; Dr. pp. 1021-2; Gaz. vol. 132; p. 1718.
- Sewing-machine tables, Work-box for. A. H. and R. P. Daniel. No. 887,594; May 12; Sp. p. 2565; Dr. p. 541; Gaz. vol. 134; p. 442.
- Sewing-machine take-up. W. M. Ammerman. No. 886,574; May 5; Sp. p. 456; Dr. p. 97; Gaz. vol. 134; p. 83.
- Sewing-machine take-up mechanism. J. B. Farr. No. 894,375; July 28; Sp. p. 4183; Dr. p. 863; Gaz. vol. 135; p. 735.
- Sewing-machine tension. C. F. and M. T. Goforth. No. 889,118; May 26; Sp. p. 5638; Dr. p. 1193; Gaz. vol. 134; p. 1001.
- Sewing-machine thread-controlling device. R. G. Woodward. No. 908,434; Dec. 29; Sp. p. 6649; Gaz. vol. 137; p. 2191.
- Sewing-machine thread-controlling mechanism. D. Mills. No. 896,137; Aug. 18; Sp. p. 2699; Dr. p. 582; Gaz. vol. 135; p. 1385.
- Sewing-machine thread-cutting mechanism. E. B. Allen. No. 885,310; Apr. 21; Sp. p. 3383; Dr. pp. 707-8; Gaz. vol. 133; p. 1788.
- Sewing-machine thread-cutting mechanism. G. S. Gatchell. No. 885,990; Apr. 28; Sp. p. 4796; Dr. p. 1008; Gaz. vol. 133; p. 2037.
- Sewing-machine thread-measuring mechanism. C. Pedersen. No. 898,776; Sept. 15; Sp. p. 3075; Dr. p. 658; Gaz. vol. 136; p. 558.
- Sewing-machine threading device. S. B. Battey. No. 893,638; July 21; Sp. p. 2672; Dr. pp. 500-1; Gaz. vol. 135; p. 491.
- Sewing-machine throat-plate. C. H. Towers. No. 899,574; Sept. 29; Sp. p. 4609; Dr. p. 990; Gaz. vol. 136; p. 882.
- Sewing-machine treadle mechanism, Shoe. E. P. Richardson. No. 885,378; Apr. 21; Sp. p. 3534; Dr. p. 739; Gaz. vol. 133; p. 1811.
- Sewing-machine trimming-cutter. J. M. Merrow. No. 907,618; Dec. 22; Sp. p. 4911; Gaz. vol. 137; p. 1887.
- Sewing-machine trimming-cutter. J. M. Merrow. No. 907,619; Dec. 22; Sp. p. 4912; Gaz. vol. 137; p. 1887.
- Sewing-machine trimming-cutter. J. M. Merrow. No. 907,620; Dec. 22; Sp. p. 4913; Gaz. vol. 137; p. 1887.
- Sewing-machine trimming-cutter. J. M. Merrow. No. 907,621; Dec. 22; Sp. p. 4915; Gaz. vol. 137; p. 1887.
- Sewing-machine trimming-cutter. J. M. Merrow. No. 907,622; Dec. 22; Sp. p. 4916; Gaz. vol. 137; p. 1888.
- Sewing-machine trimming-cutter. J. M. Merrow. No. 907,623; Dec. 22; Sp. p. 4918; Gaz. vol. 137; p. 1888.
- Sewing-machine trimming-cutter. J. M. Merrow. No. 907,624; Dec. 22; Sp. p. 4919; Gaz. vol. 137; p. 1888.
- Sewing-machine trimming mechanism. G. Scott. No. 880,829; Mar. 3; Sp. p. 701; Dr. pp. 147-8; Gaz. vol. 133; p. 119.
- Sewing-machine tuck-creaser. J. M. Greist. No. 900,068; Sept. 29; Sp. p. 5670; Dr. p. 1211; Gaz. vol. 136; p. 1042.
- Sewing-machine tuck-marker. A. Laubscher. No. 882,255; Mar. 17; Sp. p. 3538; Dr. pp. 750-1; Gaz. vol. 133; p. 639.
- Sewing-machine tuck-marking attachment. W. M. Ammerman. No. 877,475; Jan. 28; No. 3661; Dr. p. 794; Gaz. vol. 132; p. 685.
- Sewing-machine tucker and gatherer. P. T. Smith. No. 876,105; Jan. 7; Sp. p. 818; Dr. pp. 175-6; Gaz. vol. 132; p. 139.
- Sewing-machine, Two-reef. D. Flanagan. No. 908,083; Dec. 29; Sp. p. 5881; Gaz. vol. 137; p. 2070.
- Sewing-machine welt-guide, Welt-. W. Thompson. No. 894,989; Aug. 4; Sp. p. 432; Dr. p. 89; Gaz. vol. 135; p. 964.
- Sewing-machine welt-guide, Welt-. W. Thompson. No. 894,990; Aug. 4; Sp. p. 434; Dr. p. 89; Gaz. vol. 135; p. 964.
- Sewing-machine welting attachment. W. Wilson. No. 886,025; Apr. 28; Sp. p. 4870; Dr. p. 1025; Gaz. vol. 133; p. 2049.
- Sewing-machines, Automatic presser-foot-lifting mechanism for. F. W. Merrick. No. 879,565; Feb. 18; Sp. p. 2436; Dr. p. 720; Gaz. vol. 132; p. 1468.
- Sewing-machines, Cast-off friction for. M. D. Hebert. No. 892,958; July 7; Sp. p. 1140; Dr. pp. 239-40; Gaz. vol. 135; p. 191.
- Sewing-machines, Combined presser-foot and guide for. G. J. Stevens. No. 902,180; Oct. 27; Sp. p. 4414; Dr. p. 895; Gaz. vol. 136; p. 1854.
- Sewing-machines, Device for controlling the needle-loop on overseaming. R. G. Woodward. No. 899,479; Sept. 22; Sp. p. 4390; Dr. p. 943; Gaz. vol. 136; p. 813.
- Sewing machines, Feed-point orawl for shoe-. E. E. Currier. No. 904,604; Nov. 24; Sp. p. 4246; Gaz. vol. 137; p. 773.
- Sewing-machines for blindstitching, serging, overseaming, and the like, Attachment for. G. J. Stevens. No. 896,949; Aug. 25; Sp. p. 4373; Dr. p. 937; Gaz. vol. 135; p. 1673.
- Sewing-machines, Heating apparatus for wax-thread. C. Pedersen. No. 895,496; Aug. 11; Sp. p. 1449; Dr. p. 304; Gaz. vol. 135; p. 1157.
- Sewing-machines, Shuttle-actuating mechanism for lock-stitch. L. F. Fales. No. 890,347; June 9; Sp. p. 2336; Dr. p. 515; Gaz. vol. 134; p. 1459.
- Sewing-machines, Thread and sewing-silk regulator for. M. Knapp. No. 899,451; Sept. 22; Sp. p. 4338; Dr. p. 932; Gaz. vol. 136; p. 804.
- Sewing-machines, Under-thread mechanism for. J. Vannette. No. 875,751; Jan. 7; Sp. p. 140; Dr. pp. 31-3; Gaz. vol. 132; p. 28.
- Sewing machines, Upper-deflector for shoe-. C. A. Gilbert. No. 881,569; Mar. 10; Sp. p. 2136; Dr. p. 466; Gaz. vol. 133; p. 388.
- Sewing machines, Welt-channeling attachment for sole-. M. E. Haradon. No. 900,925; Oct. 13; Sp. p. 1826; Dr. p. 371; Gaz. vol. 136; p. 1380.
- Sewing-machines, Welt and thread cutting means for. T. G. Plant. No. 877,858; Jan. 28; Sp. p. 4406; Dr. pp. 859-60; Gaz. vol. 132; p. 808.
- Sewing-machines, Welt-measuring means for. T. G. Plant. No. 877,859; Jan. 28; Sp. p. 4410; Dr. p. 960; Gaz. vol. 132; p. 809.
- Sewing machinery. C. J. Pålsson. No. 897,553; Sept. 1; Sp. p. 643; Dr. pp. 133-5; Gaz. vol. 136; p. 101.
- Sewing or fastening machines, Channel-moistening device for sole. W. H. Hooper. No. 889,375; June 2; Sp. p. 370; Dr. p. 86; Gaz. vol. 134; p. 1117.
- Sewing shoe-soles to uppers. J. A. Rhoulst. No. 891,291; June 23; Sp. p. 4258; Dr. p. 932; Gaz. vol. 134; p. 1832.
- Sewing signatures to form books. C. A. Juengst. No. 893,512; July 14; Sp. p. 2287; Dr. p. 480; Gaz. vol. 135; p. 401.
- Sewing signatures to form books. C. A. Juengst. No. 893,513; July 14; Sp. p. 2288; Dr. p. 480; Gaz. vol. 135; p. 401.
- Sewing-stand. V. R. Hochstaetter. No. 899,696; Sept. 29; Sp. p. 4851; Dr. p. 1039; Gaz. vol. 136; p. 919.
- Sewing-tool, Cobbler's. W. E. Ward. No. 880,180; Feb. 25; Sp. p. 4725; Dr. p. 999; Gaz. vol. 132; p. 1703.
- Sewing tubular structures, Machine for. K. Graetz. No. 908,245; Dec. 29; Sp. p. 6248; Gaz. vol. 137; p. 2125.
- Sexual armor. E. E. Perkins. No. 875,845; Jan. 7; Sp. p. 314; Dr. pp. 68-9; Gaz. vol. 132; p. 58.
- Shackle. G. C. Kenyon. No. 886,132; Apr. 28; Sp. p. 5083; Dr. p. 1066; Gaz. vol. 133; p. 2083.
- Shackle, Animal-. J. Jones. No. 877,717; Jan. 28; Sp. p. 4153; Dr. p. 899; Gaz. vol. 132; p. 763.
- Shackle, Lifting-. C. A. Terry. No. 876,505; Jan. 14; Sp. p. 1658; Dr. p. 360; Gaz. vol. 132; p. 303.
- Shackle, Padlock-. F. Soley. No. 899,268; Sept. 22; Sp. p. 4029; Dr. p. 860; Gaz. vol. 136; p. 747.
- Shade. L. Veroutere. No. 905,608; Dec. 1; Sp. p. 998; Gaz. vol. 137; p. 1143.
- Shade-adjuster and sash-operator, Combined. R. Huitt. No. 886,216; Apr. 28; Sp. p. 5219; Dr. p. 1039; Gaz. vol. 133; p. 2109.
- Shade and curtain adjuster, Window. R. A. Breitenfeld. No. 895,237; Aug. 4; Sp. p. 936; Dr. p. 197; Gaz. vol. 135; p. 1049.
- Shade and curtain bracket. D. S. Shotts. No. 879,684; Feb. 18; Sp. p. 3699; Dr. p. 775; Gaz. vol. 132; p. 1507.
- Shade and curtain bracket. R. H. Foley. No. 880,135; Feb. 25; Sp. p. 4630; Dr. pp. 977-8; Gaz. vol. 132; p. 1687.
- Shade and curtain bracket, Combination. W. H. Bantly. No. 904,920; Nov. 24; Sp. p. 4925; Gaz. vol. 137; p. 879.
- Shade and curtain bracket, Combined. F. J. Grote. No. 897,093; Aug. 25; Sp. p. 4679; Dr. p. 997; Gaz. vol. 135; p. 1721.
- Shade and curtain bracket, Combined. Z. J. Standish. No. 902,342; Oct. 27; Sp. p. 4770; Dr. p. 962; Gaz. vol. 136; p. 1908.
- Shade and curtain bracket, Window. S. R. Seybold. No. 888,356; May 19; Sp. p. 4042; Dr. p. 853; Gaz. vol. 134; p. 720.
- Shade and curtain fixture. E. E. Palmer. No. 877,591; Jan. 28; Sp. p. 3923; Dr. p. 849; Gaz. vol. 132; p. 724.
- Shade and curtain fixture. W. R. Evans. No. 885,987; Apr. 28; Sp. p. 4793; Dr. p. 1007; Gaz. vol. 133; p. 2037.
- Shade and curtain fixture, Adjustable window. A. Logsdon. No. 907,696; Dec. 22; Sp. p. 5099; Gaz. vol. 137; p. 1913.
- Shade and curtain fixture, Window. F. E. Huggins. No. 891,421; June 23; Sp. p. 4540; Dr. p. 987; Gaz. vol. 134; p. 1875.
- Shade and curtain hanging, Window. E. G. L. Gregson. No. 885,040; Apr. 21; Sp. p. 2808; Dr. p. 594; Gaz. vol. 133; p. 1699.
- Shade and curtain-pole holder, Adjustable window-. C. W., Jr., and G. H. Draper. No. 881,384; Mar. 10; Sp. p. 1789; Dr. p. 386; Gaz. vol. 133; p. 328.
- Shade and curtain-pole holder, Window-. J. H. Green. No. 884,656; Apr. 14; Sp. p. 2042; Dr. p. 435; Gaz. vol. 133; p. 1542.
- Shade and curtain-pole holder, Window-. C. M. Avery, E. I. G. Howell, and W. Eick. No. 896,347; Aug. 18; Sp. p. 3116; Dr. p. 669; Gaz. vol. 135; p. 1453.
- Shade and lace-curtain hanging, Combined window-. P. F. Wagner. No. 881,977; Mar. 17; Sp. p. 2983; Dr. p. 635; Gaz. vol. 133; p. 549.
- Shade-bracket. C. E. Waldorf. No. 880,941; Mar. 3; Sp. p. 918; Dr. p. 197; Gaz. vol. 133; p. 155.
- Shade-bracket. L. Schachner. No. 883,574; Mar. 31; Sp. p. 6181; Dr. p. 1314; Gaz. vol. 133; p. 1132.

Alphabetical list of inventions—Continued.

- Shade bracket, Adjustable window-. F. Ferrara. No. 896,717; Aug. 25; Sp. p. 3850; Dr. p. 833; Gaz. vol. 135; p. 1594.
- Shade-bracket and curtain-pole supporter. J. D. Johnston. No. 887,647; May 12; Sp. p. 2672; Dr. p. 564; Gaz. vol. 134; p. 460.
- Shade-bracket fastener. C. Joseph. No. 800,251; June 3; Sp. p. 2211; Dr. p. 486; Gaz. vol. 134; p. 1438.
- Shade bracket, Window-. F. Hannemann. No. 884,274; Apr. 7; Sp. p. 1234; Dr. p. 259; Gaz. vol. 133; p. 1388.
- Shade bracket, Window-. R. C. Loughner. No. 899,116; Sept. 22; Sp. p. 3692; Dr. p. 791; Gaz. vol. 136; p. 697.
- Shade bracket, Window-. F. Hannemann. No. 904,423; Nov. 17; Sp. p. 3858; Gaz. vol. 137; p. 687.
- Shade carrier, Window-. A. C. Van Erka. No. 901,398; Oct. 20; Sp. p. 2785; Dr. p. 566; Gaz. vol. 136; p. 1570.
- Shade-edge-holding device. F. J. Thomson. No. 878,690; Feb. 11; Sp. p. 1695; Dr. p. 350; Gaz. vol. 132; p. 1145.
- Shade-fixture. D. Whinery. No. 883,993; Apr. 7; Sp. p. 663; Dr. p. 133; Gaz. vol. 133; p. 1297.
- Shade-fixture. B. F. Jordan. No. 892,264; June 30; Sp. p. 6241; Dr. p. 1343; Gaz. vol. 134; p. 2185.
- Shade-fixture. D. Whinery. No. 898,947; Sept. 15; Sp. p. 3378; Dr. p. 725; Gaz. vol. 136; p. 615.
- Shade-fixture, Adjustable window-. H. Brenizer. No. 889,294; June 2; Sp. p. 202; Dr. p. 51; Gaz. vol. 134; p. 1090.
- Shade-fixture, Adjustable window-. O. S. Brown. No. 900,477; Oct. 6; Sp. p. 867; Dr. p. 177; Gaz. vol. 136; p. 1207.
- Shade-fixture, Adjustable window-. J. D. Perrott. No. 904,641; Nov. 24; Sp. p. 4326; Gaz. vol. 137; p. 787.
- Shade-fixture, Window-. A. Holmes. No. 877,425; Jan. 21; Sp. p. 3565; Dr. p. 771; Gaz. vol. 132; p. 649.
- Shade-fixture, Window-. G. E. Berry. No. 879,140; Feb. 18; Sp. p. 2575; Dr. p. 536; Gaz. vol. 132; p. 1329.
- Shade-fixture, Window-. A. L. Crim. No. 886,953; May 5; Sp. p. 1221; Dr. p. 258; Gaz. vol. 134; p. 203.
- Shade-fixture, Window-. E. Engstfeld. No. 895,544; Aug. 11; Sp. p. 1548; Dr. p. 327; Gaz. vol. 135; p. 1173.
- Shade-fixture, Window-. A. Holmes. No. 904,536; Nov. 24; Sp. p. 4119; Gaz. vol. 137; p. 751.
- Shade hanger, Window-. B. F. Bellows. No. 892,798; July 7; Sp. p. 795; Dr. p. 168; Gaz. vol. 135; p. 136.
- Shade-holder. W. H. Perkins. No. 903,497; Nov. 10; Sp. p. 1928; Gaz. vol. 137; p. 347.
- Shade-holder. W. H. Perkins. No. 903,498; Nov. 10; Sp. p. 1929; Gaz. vol. 137; p. 347.
- Shade-holder. J. H. Dale. No. 904,761; Nov. 24; Sp. p. 4575; Gaz. vol. 137; p. 826.
- Shade holder, Window-. I. S. Sherwin. No. 889,860; June 2; Sp. p. 1302; Dr. p. 299; Gaz. vol. 134; p. 1272.
- Shade-holding device, Window-. G. H. Davis. No. 893,458; July 14; Sp. p. 2170; Dr. p. 456; Gaz. vol. 135; p. 383.
- Shade-making machine, Window-. E. O. Engberg. No. 883,793; Apr. 7; Sp. p. 227; Dr. pp. 40-1; Gaz. vol. 133; p. 1230.
- Shade-making machine, Window-. E. O. Engberg. No. 883,795; Apr. 7; Sp. p. 238; Dr. pp. 42-4; Gaz. vol. 133; p. 1230.
- Shade or curtain holder, Adjustable. G. F. Sherman. No. 876,738; Jan. 14; Sp. p. 2156; Dr. p. 473; Gaz. vol. 132; p. 382.
- Shade-roll bracket, Window-. A. S. Wetmore. No. 906,840; Dec. 15; Sp. p. 3326; Gaz. vol. 137; p. 1596.
- Shade-roller. A. T. Foster. No. 877,070; Jan. 21; Sp. p. 2851; Dr. p. 616; Gaz. vol. 132; p. 532.
- Shade-roller. E. E. Palmer. No. 886,400; May 5; Sp. p. 119; Dr. p. 23; Gaz. vol. 134; p. 25.
- Shade-roller. C. O. Bullock. No. 896,889; Aug. 25; Sp. p. 4228; Dr. p. 904; Gaz. vol. 135; p. 1653.
- Shade-roller. G. E. Millard. No. 906,542; Dec. 15; Sp. p. 2767; Gaz. vol. 137; p. 1502.
- Shade-roller and curtain-pole support. R. F. Espig. No. 891,033; June 16; Sp. p. 3792; Dr. p. 828; Gaz. vol. 134; p. 1723.
- Shade-roller bracket. A. H. Fleming. No. 878,624; Feb. 11; Sp. p. 1585; Dr. p. 322; Gaz. vol. 132; p. 1125.
- Shade-roller bracket. J. T. Hampton and R. E. L. Eagle. No. 889,925; June 9; Sp. p. 1449; Dr. p. 327; Gaz. vol. 134; p. 1319.
- Shade-roller bracket, Adjustable. E. E. Quaintance. No. 897,305; Sept. 1; Sp. p. 66; Dr. p. 17; Gaz. vol. 136; p. 15.
- Shade-support, Adjustable. C. D. Ridenour. No. 889,399; June 2; Sp. p. 418; Dr. p. 99; Gaz. vol. 134; p. 1124.
- Shade-support, Adjustable. T. C. Howland. No. 892,259; June 30; Sp. p. 6223; Dr. p. 1341; Gaz. vol. 134; p. 2182.
- Shade tool, Window-. H. B. Kerr. No. 900,741; Oct. 13; Sp. p. 1431; Dr. p. 291; Gaz. vol. 136; p. 1320.
- Shade-trimmer. H. M. Fishing. No. 898,732; Sept. 15; Sp. p. 2993; Dr. p. 642; Gaz. vol. 136; p. 544.
- Shade, Window-. E. T. Bell. No. 904,298; Nov. 17; Sp. p. 3628; Gaz. vol. 137; p. 646.
- Shade, Window-. E. F. Cleary. No. 907,460; Dec. 22; Sp. p. 4570; Gaz. vol. 137; p. 1836.
- Shades and curtains, Combination-bracket for window. C. J. McDonald. No. 893,089; July 14; Sp. p. 1414; Dr. p. 299; Gaz. vol. 135; p. 262.
- Shades and the like, Cord-fastener for. H. S. Hubbell. No. 902,082; Oct. 27; Sp. p. 4211; Dr. p. 853; Gaz. vol. 136; p. 1822.
- Shades, curtains, and the like, Support for. E. Jacoby. No. 903,475; Nov. 10; Sp. p. 1880; Gaz. vol. 137; p. 339.
- Shaft. H. Snyder. No. 906,465; Dec. 8; Sp. p. 2618; Gaz. vol. 137; p. 1451.
- Shaft and journaling device, Elastically-articulated. N. S. Böck. No. 878,859; Feb. 11; Sp. p. 2025; Dr. p. 418; Gaz. vol. 132; p. 1200.
- Shaft and pole, Combined vehicle. C. Acker and G. R. Glossop. No. 888,379; May 19; Sp. p. 4087; Dr. p. 862; Gaz. vol. 134; p. 728.
- Shaft-bending machine. P. P. Dyke. No. 886,359; May 5; Sp. p. 36; Dr. p. 8; Gaz. vol. 134; p. 10.
- Shaft-bending machine. P. P. Dyke. (Reissue). No. 12,850; Sept. 8; Sp. p. 2376; Dr. p. 507; Gaz. vol. 136; p. 412.
- Shaft-bending machine. G. F. Hartley. No. 905,423; Dec. 1; Sp. p. 623; Gaz. vol. 137; p. 1084.
- Shaft-clamp. M. T. Thomas. No. 907,539; Dec. 22; Sp. p. 4711; Gaz. vol. 137; p. 1861.
- Shaft-collar. H. T. Hallowell. No. 894,884; Aug. 4; Sp. p. 176; Dr. p. 38; Gaz. vol. 135; p. 928.
- Shaft-collar. H. T. Hallowell. No. 895,408; Aug. 4; Sp. p. 1256; Dr. pp. 265-6; Gaz. vol. 135; p. 1104.
- Shaft-collar. H. T. Hallowell. No. 895,409; Aug. 4; Sp. p. 1261; Dr. p. 266; Gaz. vol. 135; p. 1104.
- Shaft-coupling. J. N. Owens. No. 877,113; Jan. 21; Sp. p. 2933; Dr. pp. 634-5; Gaz. vol. 132; p. 545.
- Shaft-coupling. T. F. Vandegrift and W. Johnston. No. 880,255; Feb. 25; Sp. p. 4886; Dr. p. 1033; Gaz. vol. 132; p. 1729.
- Shaft-coupling. A. H. Bommer and W. J. Robert. No. 882,739; Mar. 24; Sp. p. 4469; Dr. p. 952; Gaz. vol. 133; p. 831.
- Shaft-coupling. A. Hitchon. No. 894,500; July 28; Sp. p. 4436; Dr. p. 918; Gaz. vol. 135; p. 777.
- Shaft-coupling. C. A. J. Lindstrom. No. 904,341; Nov. 17; Sp. p. 3712; Gaz. vol. 137; p. 660.
- Shaft-coupling. W. A. Perry. No. 907,523; Dec. 22; Sp. p. 4686; Gaz. vol. 137; p. 1856.
- Shaft-coupling, Flexible. G. M. Bartlett. No. 898,423; Sept. 15; Sp. p. 2387; Dr. p. 510; Gaz. vol. 136; p. 446.
- Shaft-coupling, Flexible and elastic. L. Girardot. No. 893,794; July 21; Sp. p. 2952; Dr. p. 603; Gaz. vol. 135; p. 524.
- Shaft-detaching means. J. W. Ward. No. 885,551; Apr. 21; Sp. p. 3879; Dr. p. 811; Gaz. vol. 133; p. 1863.
- Shaft drill, Sink-. J. P. Karns. No. 879,822; Feb. 18; Sp. p. 3968; Dr. p. 830-1; Gaz. vol. 132; p. 1558.
- Shaft drive, Lay-. B. M. Aslakson. No. 893,294; July 14; Sp. p. 1827; Dr. p. 384; Gaz. vol. 135; p. 329.
- Shaft end. C. E. Titchener. No. 877,969; Feb. 4; Sp. p. 147; Dr. p. 33; Gaz. vol. 132; p. 873.
- Shaft, Flexible. A. L. Hale. No. 889,521; June 2; Sp. p. 667; Dr. p. 154; Gaz. vol. 134; p. 1164.
- Shaft, Flexible. G. H. Coates. No. 890,336; June 9; Sp. p. 2320; Dr. p. 512; Gaz. vol. 134; p. 1456.
- Shaft, Flexible. G. H. Coates. No. 897,349; Sept. 1; Sp. p. 203; Dr. p. 43; Gaz. vol. 136; p. 31.
- Shaft, Flexible. E. F. Curtis. No. 906,113; Dec. 8; Sp. p. 1970; Gaz. vol. 137; p. 1336.
- Shaft-holder. J. H. Jensen. No. 892,058; June 30; Sp. p. 5842; Dr. p. 1256; Gaz. vol. 134; p. 2116.
- Shaft-holder for harness. W. T. Sebrer. No. 896,470; Aug. 18; Sp. p. 3368; Dr. p. 725; Gaz. vol. 135; p. 1494.
- Shaft-key-extracting device. J. Clausen. No. 903,956; Nov. 17; Sp. p. 2889; Gaz. vol. 137; p. 527.
- Shaft or journal box. H. E. Norborn. No. 882,579; Mar. 24; Sp. p. 4150; Dr. p. 880; Gaz. vol. 133; p. 778.
- Shaft or thill, Vehicle. G. A. Lambert. No. 900,288; Oct. 6; Sp. p. 466; Dr. p. 96; Gaz. vol. 136; p. 1145.
- Shaft or tunnel boring mechanism. W. F. Wittich. No. 902,517; Oct. 27; Sp. p. 5150; Dr. p. 1043; Gaz. vol. 136; p. 1967.
- Shaft-polishing machine. J. S. Griffin. No. 895,364; Aug. 4; Sp. p. 1176; Dr. p. 247; Gaz. vol. 135; p. 1090.
- Shaft-rotating means. O. W. Meissner. No. 903,301; Nov. 10; Sp. p. 1527; Gaz. vol. 137; p. 282.
- Shaft, Self-lubricating. E. L. Wood. No. 898,297; Sept. 8; Sp. p. 2150; Dr. p. 457; Gaz. vol. 136; p. 371.
- Shaft-support. S. P. Stovall. No. 907,537; Dec. 22; Sp. p. 4706; Gaz. vol. 137; p. 1860.
- Shaft support, Buggy-. B. M. Perdue. No. 903,764; Nov. 10; Sp. p. 2453; Gaz. vol. 137; p. 429.
- Shaft support, Vehicle-. J. T. Minyard. No. 879,188; Feb. 18; Sp. p. 2668; Dr. p. 557; Gaz. vol. 132; p. 1346.
- Shaft-supporter. S. Tracy. No. 876,029; Jan. 7; Sp. p. 665; Dr. p. 143; Gaz. vol. 132; p. 115.
- Shaft, Swivel-jointed. J. K. Stewart. No. 897,316; Sept. 1; Sp. p. 112; Dr. p. 25; Gaz. vol. 136; p. 18.
- Shaft, Universally-extensible tool-. J. L. Steingasser. No. 899,082; Sept. 22; Sp. p. 3628; Dr. p. 777; Gaz. vol. 136; p. 685.
- Shaft, Vehicle-. W. H. Rakestraw. No. 876,014; Jan. 7; Sp. p. 637; Dr. p. 136; Gaz. vol. 132; p. 110.
- Shaft, Vehicle-. G. F. Skelton. No. 883,579; Mar. 31; Sp. p. 6190; Dr. p. 1318; Gaz. vol. 133; p. 1133.
- Shaft, Vehicle-. S. G. Gay. No. 887,786; May 19; Sp. p. 2054; Dr. p. 621; Gaz. vol. 134; p. 536.
- Shaft, Vehicle-. L. Burg. No. 898,036; Sept. 8; Sp. p. 1653; Dr. p. 352; Gaz. vol. 136; p. 290.
- Shafts, Means for lubricating rapidly-revolving vertical. I. P. B. Knudsen. No. 888,824; May 26; Sp. p. 5042; Dr. p. 1076; Gaz. vol. 134; p. 906.
- Shafts, Rotating means for reciprocating. J. P. Karns. No. 889,136; May 26; Sp. p. 5669; Dr. p. 1200; Gaz. vol. 134; p. 1007.
- Shafts, Vehicle-. F. S. Howells. No. 896,992; Aug. 25; Sp. p. 4475; Dr. p. 956; Gaz. vol. 135; p. 1687.
- Shafing, Apparatus for indicating the magnitude of the torque in. J. H. Gibson. No. 902,394; Oct. 27; Sp. p. 4854; Dr. pp. 982-3; Gaz. vol. 136; p. 1923.
- Shank cutting, molding, skiving, and forming machine. S. B. Tompkins. No. 897,033; Aug. 25; Sp. p. 4566; Dr. p. 974; Gaz. vol. 135; p. 1702.
- Shank-machine. E. H. Taylor. No. 896,953; Aug. 25; Sp. p. 4391; Dr. pp. 939-40; Gaz. vol. 135; p. 1675.
- Shank-stiffener. F. W. Leesberg. No. 892,064; June 30; Sp. p. 5852; Dr. p. 1259; Gaz. vol. 134; p. 2118.
- Shaping-machine guard and work-holder. J. H. Butterfield. No. 907,734; Dec. 29; Sp. p. 5165; Gaz. vol. 137; p. 1954.

Alphabetical list of inventions—Continued.

- Sharpener, Band-saw. C. Wright. No. 889,289; June 2; Sp. p. 192; Dr. p. 48; Gaz. vol. 134; p. 1088.
- Sharpener, Drill. D. E. Gilson. No. 902,146; Oct. 27; Sp. p. 4335; Dr. p. 878; Gaz. vol. 136; p. 1843.
- Sharpener, Drill-steel. J. Sopp. No. 888,361; May 19; Sp. p. 4052; Dr. pp. 854-5; Gaz. vol. 134; p. 721.
- Sharpener for self-feeders, Knife. D. E. Ringland. No. 894,747; July 28; Sp. p. 4909; Dr. p. 1022; Gaz. vol. 135; p. 856.
- Sharpener, Knife. L. Jauch. No. 892,667; July 7; Sp. p. 535; Dr. p. 113; Gaz. vol. 135; p. 95.
- Sharpener, Knife and scissors. M. L. Hawks. No. 891,052; June 9; Sp. p. 1726; Dr. p. 382; Gaz. vol. 134; p. 1363.
- Sharpener, Lawn-mower. J. F. Hoeker and B. M. Smith. No. 891,695; June 23; Sp. p. 5112; Dr. p. 1103; Gaz. vol. 134; p. 1965.
- Sharpener, Lawn-mower. H. H. Frey. No. 903,371; Nov. 10; Sp. p. 1664; Gaz. vol. 137; p. 305.
- Sharpener, Scissors. M. Henry. No. 883,019; Mar. 24; Sp. p. 5023; Dr. p. 1069; Gaz. vol. 133; p. 922.
- Sharpener, Scissors. N. J. Northam. No. 895,580; Aug. 11; Sp. p. 1610; Dr. p. 339; Gaz. vol. 135; p. 1184.
- Sharpener, Scissors. J. Fitzgerald. No. 899,213; Sept. 22; Sp. p. 3698; Dr. p. 832; Gaz. vol. 136; p. 729.
- Sharpener, Scissors. J. B. Carroll. No. 901,522; Oct. 20; Sp. p. 3064; Dr. p. 626; Gaz. vol. 136; p. 1612.
- Sharpener, Shears. E. H. Spafford. No. 899,140; Sept. 22; Sp. p. 3744; Dr. p. 802; Gaz. vol. 136; p. 705.
- Sharpener, Sprag. J. McDonald. No. 895,287; Aug. 4; Sp. p. 1043; Dr. p. 217; Gaz. vol. 135; p. 1066.
- Sharpening apparatus, Lawn-mower. H. E. W. Loomis. No. 884,672; Apr. 14; Sp. p. 2069; Dr. p. 442; Gaz. vol. 133; p. 1547.
- Sharpening device for skates, &c. L. J. Moorman. No. 880,153; Feb. 25; Sp. p. 4674; Dr. p. 984; Gaz. vol. 132; p. 1693.
- Sharpening disks and colters, Apparatus for. E. E. and W. E. Combs. No. 900,707; Oct. 13; Sp. p. 1366; Dr. p. 278; Gaz. vol. 136; p. 1309.
- Sharpening drills or drill-bits, Apparatus for. W. E. Kimber. No. 897,835; Sept. 1; Sp. p. 1209; Dr. p. 258; Gaz. vol. 136; p. 192.
- Sharpening drills or drill-bits, Apparatus for. W. E. Kimber. No. 902,416; Oct. 27; Sp. p. 4900; Dr. pp. 992-3; Gaz. vol. 136; p. 1931.
- Sharpening machine, Cutter-tooth. R. S. Brown. No. 896,357; Aug. 18; Sp. p. 3141; Dr. p. 675; Gaz. vol. 135; p. 1456.
- Sharpening machine, Knife. P. Behrens. No. 887,754; May 19; Sp. p. 2886; Dr. p. 608; Gaz. vol. 134; p. 525.
- Sharpening machine, Rock-drill. C. H. Shaw. No. 896,166; Aug. 18; Sp. p. 2745; Dr. pp. 591-2; Gaz. vol. 135; p. 1393.
- Sharpening machine, Rock-drill. B. H. Locke. No. 898,663; Sept. 15; Sp. p. 2869; Dr. p. 613; Gaz. vol. 136; p. 522.
- Sharpening machine, Saw. E. C. Filstrup. No. 881,230; Mar. 10; Sp. p. 1477; Dr. p. 317; Gaz. vol. 133; p. 279.
- Sharpening machine, Saw. L. L. Filstrup. No. 881,231; Mar. 10; Sp. p. 1478; Dr. pp. 318-19; Gaz. vol. 133; p. 279.
- Sharpening machine, Saw. J. P. Hedstrom. No. 884,385; Apr. 14; Sp. p. 1456; Dr. p. 310; Gaz. vol. 133; p. 1454.
- Sharpening machine, Saw. R. F. Daniels. No. 889,180; May 26; Sp. p. 5769; Dr. pp. 1221-3; Gaz. vol. 134; p. 1022.
- Sharpening or cutting machine. L. Cory. No. 885,020; Apr. 21; Sp. p. 2758; Dr. p. 585; Gaz. vol. 133; p. 1692.
- Sharpening plowshares, disks, &c., Machine for. D. H. Sneed. No. 876,742; Jan. 14; Sp. p. 2161; Dr. pp. 474-5; Gaz. vol. 132; p. 383.
- Sharpening-tool. E. Young. No. 895,708; Aug. 11; Sp. p. 1856; Dr. p. 394; Gaz. vol. 135; p. 1226.
- Shaving apparatus. W. L. Crouch. No. 907,974; Dec. 29; Sp. p. 5665; Gaz. vol. 137; p. 2033.
- Shaving appliance. E. D. Chaplin. No. 882,488; Mar. 17; Sp. p. 3951; Dr. p. 845; Gaz. vol. 133; p. 715.
- Shaving-cup. R. G. Foster. No. 880,207; Feb. 25; Sp. p. 4784; Dr. p. 1012; Gaz. vol. 132; p. 1712.
- Shaving-cup. C. M. Davis. No. 882,668; Mar. 24; Sp. p. 4330; Dr. p. 921; Gaz. vol. 133; p. 808.
- Shaving-cup. J. Holzager. No. 903,089; Nov. 3; Sp. p. 1115; Gaz. vol. 137; p. 182.
- Shaving device, Safety. O. Kampfe. No. 888,174; May 19; Sp. p. 3701; Dr. p. 772; Gaz. vol. 134; p. 661.
- Shaving-machine. A. Seymour-Jones. No. 900,002; Sept. 29; Sp. p. 5518; Dr. p. 1176; Gaz. vol. 136; p. 1020.
- Shaving-mug. J. W. Dyer. No. 901,082; Oct. 13; Sp. p. 2127; Dr. p. 433; Gaz. vol. 136; p. 1430.
- Shear mechanism. T. J. Bray and G. C. Shackelford. No. 897,344; Sept. 1; Sp. p. 195; Dr. pp. 41-2; Gaz. vol. 136; p. 29.
- Shears. *See* Animal-shears; Bag-tier shears; Coupon-cutting shears; Disk shears; Garden-shears; Hand-shears; Metal-cutting shears; Pruning-shears; Sheep-shears.
- Shears. O. Witt. No. 877,691; Jan. 28; Sp. p. 4114; Dr. p. 890; Gaz. vol. 132; p. 756.
- Shears. P. Broadbooks. No. 880,967; Mar. 3; Sp. p. 967; Dr. p. 209; Gaz. vol. 133; p. 163.
- Shears. C. Geis. No. 883,457; Mar. 31; Sp. p. 5951; Dr. p. 1269; Gaz. vol. 133; p. 1097.
- Shears. J. H. Frey. No. 903,370; Nov. 10; Sp. p. 1663; Gaz. vol. 137; p. 305.
- Shears. P. H. Melander. No. 906,255; Dec. 8; Sp. p. 2240; Gaz. vol. 137; p. 1384.
- Shears and scissors. J. J. Booth. No. 898,401; Sept. 8; Sp. p. 2330; Dr. p. 495; Gaz. vol. 136; p. 405.
- Shears, Discharge mechanism for. A. R. McArthur. No. 880,811; Mar. 3; Sp. p. 651; Dr. pp. 136-7; Gaz. vol. 133; p. 113.
- Shears for cutting iron. W. A. Gahler. No. 877,764; Jan. 28; Sp. p. 4237; Dr. p. 920; Gaz. vol. 132; p. 778.
- Shears-holder. H. L. Kocher. No. 904,968; Nov. 24; Sp. p. 5020; Gaz. vol. 137; p. 896.
- Shears or scissors. A. Prohaska. No. 879,064; Feb. 11; Sp. p. 2397; Dr. p. 502; Gaz. vol. 132; p. 1263.
- Shears, Pivot-screw for. J. W. Fietz. No. 886,197; Apr. 28; Sp. p. 5190; Dr. p. 1093; Gaz. vol. 133; p. 2104.
- Shears, Pivot-screw for. C. W. Rausch and J. J. Schwarz, Jr. No. 889,906; June 9; Sp. p. 1535; Dr. p. 346; Gaz. vol. 134; p. 1332.
- Shears tension device. J. J. Conway. No. 907,464; Dec. 22; Sp. p. 4581; Gaz. vol. 137; p. 1835.
- Shearing and punching machine. C. J. Reiling. No. 903,773; Nov. 10; Sp. p. 2467; Gaz. vol. 137; p. 433.
- Shearing and punching mechanism. J. I. Depew. No. 878,048; Feb. 4; Sp. p. 323; Dr. p. 67; Gaz. vol. 132; p. 900.
- Shearing, Cutter for sheep. S. L. Johnson. No. 889,017; May 26; Sp. p. 5426; Dr. p. 1153; Gaz. vol. 134; p. 969.
- Shearing-machine. C. M. Palmer. No. 877,517; Jan. 28; Sp. p. 3759; Dr. p. 814; Gaz. vol. 132; p. 700.
- Shearing-machine. C. Wais. No. 885,810; Apr. 28; Sp. p. 4416; Dr. p. 926; Gaz. vol. 133; p. 1976.
- Shearing-machine, Sheep. T. Grace. No. 885,991; Apr. 28; Sp. p. 4802; Dr. p. 1008; Gaz. vol. 133; p. 2038.
- Sheathing, Metallic. B. F. Savery. No. 876,098; Jan. 7; Sp. p. 804; Dr. p. 172; Gaz. vol. 132; p. 136.
- Sheathing, Metallic. L. J. Berg. No. 876,134; Jan. 7; Sp. p. 890; Dr. p. 189; Gaz. vol. 132; p. 149.
- Sheave. T. H. Skinner. No. 905,756; Dec. 1; Sp. p. 1275; Gaz. vol. 137; p. 1191.
- Sheave-block. J. Bass. No. 901,144; Oct. 13; Sp. p. 2238; Dr. p. 455; Gaz. vol. 136; p. 1450.
- Sheave-header. G. Anderson. No. 892,114; June 30; Sp. p. 5936; Dr. p. 1279; Gaz. vol. 134; p. 2133.
- Shed and chute, Combined hog. J. E. Wallace. No. 896,256; Aug. 18; Sp. p. 2924; Dr. p. 630; Gaz. vol. 135; p. 1425.
- Shed-ventilator. F. J. Nies. No. 901,120; Oct. 13; Sp. p. 2199; Dr. p. 447; Gaz. vol. 136; p. 1441.
- Shedding mechanism. W. W. Hubbard. No. 883,541; Mar. 31; Sp. p. 6121; Dr. p. 1302; Gaz. vol. 133; p. 1122.
- Sheep-shears. F. N. L. Willett. No. 896,497; Aug. 18; Sp. p. 3428; Dr. p. 737; Gaz. vol. 135; p. 1503.
- Sheet-combining machine. I. W. Marshall. No. 897,757; Sept. 1; Sp. p. 1036; Dr. p. 221; Gaz. vol. 136; p. 168.
- Sheet-delivery. R. J. Greenway, Jr. No. 879,630; Feb. 18; Sp. p. 3585; Dr. p. 751; Gaz. vol. 132; p. 1489.
- Sheet-feeding apparatus. A. B. Dick. No. 878,614; Feb. 11; Sp. p. 1560; Dr. p. 318; Gaz. vol. 132; p. 1121.
- Sheet-feeding apparatus. A. B. Dick. No. 898,447; Sept. 15; Sp. p. 2446; Dr. p. 524; Gaz. vol. 136; p. 453.
- Sheet-feeding apparatus. E. J. Casey. No. 898,831; Sept. 15; Sp. p. 3173; Dr. p. 679; Gaz. vol. 136; p. 577.
- Sheet-feeding machine. F. L. Cross. No. 887,314; May 12; Sp. p. 2003; Dr. p. 420; Gaz. vol. 134; p. 351.
- Sheet-feeding machine. H. C. La Batt. No. 899,995; Sept. 29; Sp. p. 5495; Dr. pp. 1170-2; Gaz. vol. 136; p. 1018.
- Sheet-feeding machine. R. E. and A. Kemper. No. 903,386; Nov. 10; Sp. p. 1688; Gaz. vol. 137; p. 309.
- Sheet-feeding mechanism. L. E. Morrison. No. 888,025; May 19; Sp. p. 3428; Dr. p. 720; Gaz. vol. 134; p. 616.
- Sheet-feeding mechanism. J. Ranz. No. 899,133; Sept. 22; Sp. p. 3725; Dr. p. 798; Gaz. vol. 136; p. 703.
- Sheet holder, Loose. J. C. Dawson. No. 893,572; July 14; Sp. p. 2431; Dr. p. 506; Gaz. vol. 135; p. 420.
- Sheet-iron vessels, Manufacturing. J. H. W. Gebler. No. 877,321; Jan. 21; Sp. p. 3376; Dr. p. 731; Gaz. vol. 132; p. 615.
- Sheet-loosening apparatus. C. W. Bennett. No. 908,381; Dec. 29; Sp. p. 6536; Gaz. vol. 137; p. 2172.
- Sheet material, Machine for turning the edges of. T. C. Hook. No. 878,632; Feb. 11; Sp. p. 1597; Dr. pp. 325-6; Gaz. vol. 132; p. 1127.
- Sheet material, Mechanism for turning the edges of. T. C. Hook. No. 878,631; Feb. 11; Sp. p. 1596; Dr. p. 325; Gaz. vol. 132; p. 1127.
- Sheet material, Apparatus for producing very thin. T. A. Edison. No. 879,859; Feb. 25; Sp. p. 4076; Dr. p. 854; Gaz. vol. 132; p. 1597.
- Sheet-metal article. H. B. Fuller. No. 891,242; June 23; Sp. p. 4167; Dr. p. 912; Gaz. vol. 134; p. 1815.
- Sheet-metal blanks, Apparatus for flanging, crimping, or otherwise shaping. F. Brückmann, Jr., and O. Dempewolf. No. 895,067; Aug. 4; Sp. p. 584; Dr. pp. 120-1; Gaz. vol. 135; p. 990.
- Sheet-metal box. P. A. Blichert. No. 885,013; Apr. 21; Sp. p. 2744; Dr. p. 582; Gaz. vol. 133; p. 1690.
- Sheet-metal can. M. M. Kane. No. 892,848; July 7; Sp. p. 906; Dr. p. 193; Gaz. vol. 135; p. 153.
- Sheet-metal can, Removable-cover. B. H. Kannenberg. No. 893,630; July 21; Sp. p. 2556; Dr. p. 533; Gaz. vol. 135; p. 469.
- Sheet-metal-coiling machine. W. H. Carpenter. No. 884,314; Apr. 7; Sp. p. 1298; Dr. p. 27; Gaz. vol. 133; p. 1400.
- Sheet metal, Corrugating. H. F. Cobb. No. 883,788; Apr. 7; Sp. p. 212; Dr. p. 39; Gaz. vol. 133; p. 1228.
- Sheet metal, Cutting. A. Benson. No. 901,772; Oct. 20; Sp. p. 3593; Dr. p. 727; Gaz. vol. 136; p. 1693.
- Sheet-metal-cutting machine. A. Benson. No. 901,773; Oct. 20; Sp. p. 3595; Dr. p. 727; Gaz. vol. 136; p. 1694.
- Sheet-metal-cutting rolls. L. C. Steele. No. 878,472; Feb. 4; Sp. p. 1169; Dr. p. 236; Gaz. vol. 132; p. 1039.
- Sheet-metal elbow. A. Dieckmann. No. 882,238; Mar. 17; Sp. p. 3505; Dr. p. 744; Gaz. vol. 133; p. 632.
- Sheet-metal-frame construction. E. Ohnstrand. No. 899,259; Sept. 22; Sp. p. 4014; Dr. p. 857; Gaz. vol. 136; p. 744.
- Sheet-metal gauze or grating. M. W. Pitner. No. 878,999; Feb. 11; Sp. p. 2286; Dr. p. 477; Gaz. vol. 132; p. 1245.
- Sheet-metal gutter. S. D. Shoemaker. No. 882,801; Mar. 24; Sp. p. 4593; Dr. p. 979; Gaz. vol. 133; p. 851.
- Sheet-metal handle. P. D. Skahen. No. 890,102; June 9; Sp. p. 1812; Dr. p. 400; Gaz. vol. 134; p. 1379.
- Sheet-metal joint. J. R. Miller. No. 906,731; Dec. 15; Sp. p. 3123; Gaz. vol. 137; p. 1562.

Alphabetical list of inventions—Continued.

- Sheet metal, Machine for applying solder to., S. A. Baker. No. 906,603; Dec. 15; Sp. p. 2873; Gaz. vol. 137; p. 1520.
- Sheet metal, Making expanded. F. A. Delano. No. 891,822; June 30; Sp. p. 5388; Dr. p. 1165; Gaz. vol. 134; p. 2040.
- Sheet metal, Method and machine for stretching slitted. F. J. Wendell. No. 900,902; Oct. 13; Sp. p. 1769; Dr. p. 359; Gaz. vol. 136; p. 1372.
- Sheet-metal packs, Opening. L. C. Steele. No. 907,193; Dec. 22; Sp. p. 4023; Gaz. vol. 137; p. 1744.
- Sheet metal, Producing very thin. T. A. Edison. No. 880,484; Feb. 25; Sp. p. 5302; Dr. p. 1130; Gaz. vol. 132; p. 1806.
- Sheet-metal receptacles, Manufacturing. L. F. Betts. No. 885,572; Apr. 21; Sp. p. 3921; Dr. p. 818; Gaz. vol. 133; p. 1870.
- Sheet metal, Rolling. C. B. Cushman. No. 904,605; Nov. 24; Sp. p. 4247; Gaz. vol. 137; p. 774.
- Sheet-metal-scouring machine. W. H. Carpenter. No. 884,313; Apr. 7; Sp. p. 1295; Dr. p. 274; Gaz. vol. 133; p. 1400.
- Sheet metal, Shears for cutting. H. M. Smith. No. 906,572; Dec. 15; Sp. p. 2823; Gaz. vol. 137; p. 1511.
- Sheet-metal strips, Machine for cutting and mounting. W. Stuebing. No. 883,838; Apr. 7; Sp. p. 342; Dr. pp. 65-6; Gaz. vol. 133; p. 1245.
- Sheet-metal utensils, Expander for. T. A. Kelly. No. 887,727; May 12; Sp. p. 2812; Dr. p. 594; Gaz. vol. 134; p. 488.
- Sheet-metal-vessel joint. H. M. Bache. No. 899,587; Sept. 29; Sp. p. 4635; Dr. p. 995; Gaz. vol. 136; p. 887.
- Sheet-metal vessels, Die for forming. E. R. Stoddard. No. 879,922; Feb. 25; Sp. p. 4224; Dr. p. 882; Gaz. vol. 132; p. 1620.
- Sheet-metal wainscoting. A. W. Edeberg. No. 906,784; Dec. 15; Sp. p. 3224; Gaz. vol. 137; p. 1578.
- Sheet-metal window-sill. W. Corbett. No. 907,747; Dec. 22; Sp. p. 5191; Gaz. vol. 137; p. 1959.
- Sheet-piling, Interlocking. E. E. Slick. No. 904,156; Nov. 17; Sp. p. 3299; Gaz. vol. 137; p. 597.
- Sheet-piling or the like, Joint for connecting adjacent units of. F. W. Skinner. No. 907,902; Dec. 29; Sp. p. 5510; Gaz. vol. 137; p. 2010.
- Sheets, Apparatus for holding flexible. N. W. Carkhuff. No. 902,940; Nov. 3; Sp. p. 822; Gaz. vol. 137; p. 136.
- Sheets, foil, strips, or ribbons of zinc, lead, or other metal or alloy, Manufacturing. E. H. Strange and C. A. Pine. No. 905,758; Dec. 1; Sp. p. 1278; Gaz. vol. 137; p. 1192.
- Sheets, Means for controlling the feeding of. J. J. Rigby. No. 882,125; Mar. 17; Sp. p. 3280; Dr. p. 700; Gaz. vol. 133; p. 597.
- Sheets of all kinds, Holder for. H. Müller and K. Specker. No. 902,433; Oct. 27; Sp. p. 4957; Dr. p. 1001; Gaz. vol. 136; p. 1937.
- Sheets uniformly, Device for stretching. C. G. Johannesmeyer. No. 902,494; Oct. 27; Sp. p. 5093; Dr. p. 1031; Gaz. vol. 136; p. 1959.
- Shelf. G. W. Curtis. No. 883,001; Mar. 24; Sp. p. 4994; Dr. p. 1062; Gaz. vol. 133; p. 916.
- Shelf and ironing-board attachment. C. R. Shaw. No. 885,387; Apr. 21; Sp. p. 3555; Dr. p. 744; Gaz. vol. 133; p. 1814.
- Shelf-bracket. J. P. McKinney. No. 890,369; June 9; Sp. p. 2377; Dr. p. 524; Gaz. vol. 134; p. 1466.
- Shelf-bracket. M. E. McMaster. No. 892,542; July 7; Sp. p. 289; Dr. p. 63; Gaz. vol. 135; p. 54.
- Shelf-operating mechanism. C. E. Turner and W. H. Singleton. No. 892,779; July 7; Sp. p. 757; Dr. p. 160; Gaz. vol. 135; p. 131.
- Shelf, Sheet-metal. H. L. Beach. No. 889,844; June 2; Sp. p. 1269; Dr. p. 292; Gaz. vol. 134; p. 1266.
- Shelf-supporting bracket. J. P. Eustis. No. 897,076; Aug. 25; Sp. p. 4648; Dr. p. 990; Gaz. vol. 135; p. 1716.
- Shelves and tables, Detachable auxiliary holder for. G. Eggl. No. 901,598; Oct. 20; Sp. p. 3208; Dr. p. 657; Gaz. vol. 136; p. 1636.
- Shelving, Adjustable. E. Allen. No. 891,968; June 30; Sp. p. 5683; Dr. p. 1224; Gaz. vol. 134; p. 2088.
- Shell. G. M. Peters. No. 905,358; Dec. 1; Sp. p. 461; Gaz. vol. 137; p. 1060.
- Shell-extractor. D. E. Donati. No. 892,230; June 30; Sp. p. 6172; Dr. p. 1329; Gaz. vol. 134; p. 2173.
- Shell, Metallic. F. C. Sanford. No. 894,288; July 28; Sp. p. 4013; Dr. p. 829; Gaz. vol. 135; p. 707.
- Shell-reducing device. H. W. Menge. No. 903,877; Nov. 17; Sp. p. 2721; Gaz. vol. 137; p. 502.
- Shells, Apparatus for removing the percussion-caps from discharged. D. Larsson. No. 880,147; Feb. 25; Sp. p. 4660; Dr. p. 983; Gaz. vol. 132; p. 1691.
- Shells for rain-water cut-offs, Manufacturing. T. F. Crary. No. 903,959; Nov. 17; Sp. p. 2894; Gaz. vol. 137; p. 528.
- Shells, Spreader for. H. E. Winans and F. Sinnock. No. 875,762; Jan. 7; Sp. p. 164; Dr. p. 36; Gaz. vol. 132; p. 32.
- Sheller. *See* Coffee-sheller; Corn-sheller; Peanut-sheller.
- Shellac, Preparing substitutes for. J. Meyer. No. 898,382; Sept. 8; Sp. p. 2296; Gaz. vol. 136; p. 399.
- Shelter-shed. F. O. Cary. No. 882,870; Mar. 24; Sp. p. 4740; Dr. p. 1008; Gaz. vol. 133; p. 873.
- Shield, Chafing-. E. A. Tietjen. No. 882,357; Mar. 17; Sp. p. 3737; Dr. p. 794; Gaz. vol. 133; p. 673.
- Shield for enlarged joints. J. H. Schiffhauer. No. 876,022; Jan. 7; Sp. p. 655; Dr. p. 140; Gaz. vol. 132; p. 113.
- Shield for the use of linemen. G. E. Harrison and G. Burns. No. 881,682; Mar. 10; Sp. p. 2361; Dr. p. 512; Gaz. vol. 133; p. 424.
- Shifting device. E. C. Smith. No. 886,431; May 5; Sp. p. 178; Dr. p. 39; Gaz. vol. 134; p. 34.
- Shingle. J. W. Troeger. No. 877,019; Jan. 21; Sp. p. 2753; Dr. p. 596; Gaz. vol. 132; p. 515.
- Shingle. F. Latulip. No. 907,824; Dec. 29; Sp. p. 5350; Gaz. vol. 137; p. 1986.
- Shingle and heading machine. J. and J. H. Street. No. 885,201; Apr. 21; Sp. p. 3153; Dr. p. 662; Gaz. vol. 133; p. 1751.
- Shingle-butt-cutting machine. J. D. Caldwell. No. 882,233; Mar. 17; Sp. p. 3497; Dr. p. 742; Gaz. vol. 133; p. 631.
- Shingle for roofs and gable ends of houses, Composition. C. W. Young and J. G. Burruss. No. 886,912; May 5; Sp. p. 1155; Dr. p. 243; Gaz. vol. 134; p. 190.
- Shingle-gage. A. A. Unruh. No. 885,705; Apr. 21; Sp. p. 4177; Dr. p. 875; Gaz. vol. 133; p. 1912.
- Shingle-machine. G. W. Dorman. No. 885,327; Apr. 21; Sp. p. 3423; Dr. p. 715; Gaz. vol. 133; p. 1794.
- Shingle-machine. A. L. English. No. 908,081; Dec. 29; Sp. p. 5877; Gaz. vol. 137; p. 2069.
- Shingle, Metallic. G. C. Sherman. No. 889,818; June 2; Sp. p. 1221; Dr. p. 282; Gaz. vol. 134; p. 1257.
- Shingle-molding machine. W. Pugh. No. 900,778; Oct. 13; Sp. p. 1507; Dr. p. 306; Gaz. vol. 136; p. 1331.
- Shingle-strips and blanks therefor, Making. F. C. Overbury. No. 908,125; Dec. 29; Sp. p. 5973; Gaz. vol. 137; p. 2084.
- Shingle-strips, &c., Machine for cutting. F. C. Overbury. No. 891,500; June 23; Sp. p. 4691; Dr. p. 1016; Gaz. vol. 134; p. 1901.
- Shingling-bracket. J. Lasley. No. 884,507; Apr. 14; Sp. p. 1698; Dr. p. 365; Gaz. vol. 133; p. 1493.
- Ship. J. Reid. No. 875,734; Jan. 7; Sp. p. 107; Dr. p. 23; Gaz. vol. 132; p. 22.
- Ship. G. E. Walton. No. 893,116; July 14; Sp. p. 1478; Dr. p. 311; Gaz. vol. 135; p. 272.
- Ship, Aerial. F. Bollhorn. No. 904,930; Nov. 24; Sp. p. 4952; Gaz. vol. 137; p. 883.
- Ship, Air-. M. Grube. No. 907,992; Dec. 29; Sp. p. 5709; Gaz. vol. 137; p. 2039.
- Ship-cleaning apparatus. A. R. Rogers. No. 883,423; Mar. 31; Sp. p. 5874; Dr. p. 1252; Gaz. vol. 133; p. 1085.
- Ship-elevating apparatus. K. Löhle. No. 887,951; May 19; Sp. p. 3283; Dr. p. 690; Gaz. vol. 134; p. 591.
- Ship or log speed-indicator. H. G. A. Klapproth. No. 904,135; Nov. 17; Sp. p. 3249; Gaz. vol. 137; p. 589.
- Ships, Apparatus for raising sunken. E. G. Bartlett. No. 907,952; Dec. 29; Sp. p. 5619; Gaz. vol. 137; p. 2025.
- Ships at sea, Apparatus for coaling. A. Johan. No. 903,094; Nov. 3; Sp. p. 1122; Gaz. vol. 137; p. 183.
- Ships, Construction of screw-propelled. J. T. Duncan. No. 884,912; Apr. 14; Sp. p. 2531; Dr. pp. 535-6; Gaz. vol. 133; p. 1625.
- Ships, Device for retarding and stopping the motion of. E. P. A. Vilette. No. 875,752; Jan. 7; Sp. p. 150; Dr. p. 33; Gaz. vol. 132; p. 28.
- Ships, Distance and course recorder for. W. C. Forbes. No. 881,063; Mar. 3; Sp. p. 1145; Dr. p. 248; Gaz. vol. 133; p. 196.
- Shipping and dispensing cabinet. H. Bayer and E. E. Rieck. No. 906,500; Dec. 15; Sp. p. 2688; Gaz. vol. 137; p. 1489.
- Shipping and display box. F. G. Merritt. No. 886,388; May 5; Sp. p. 93; Dr. p. 19; Gaz. vol. 134; p. 20.
- Shipping-box. W. E. Depp. No. 884,572; Apr. 14; Sp. p. 1831; Dr. p. 392; Gaz. vol. 133; p. 1515.
- Shipping-box. F. C. Mitchell. No. 893,639; July 21; Sp. p. 2570; Dr. p. 535; Gaz. vol. 135; p. 471.
- Shipping-box. W. R. Stokely. No. 896,771; Aug. 25; Sp. p. 3972; Dr. p. 855; Gaz. vol. 135; p. 1613.
- Shipping-box, Folding. W. K. Allgire. No. 880,347; Feb. 25; Sp. p. 5054; Dr. p. 1068; Gaz. vol. 132; p. 1758.
- Shipping-can. J. B. Whitehead. No. 877,816; Jan. 28; Sp. p. 4321; Dr. p. 938; Gaz. vol. 132; p. 794.
- Shipping-case. L. Sochurek. No. 887,136; May 12; Sp. p. 1583; Dr. p. 336; Gaz. vol. 134; p. 291.
- Shipping-case. N. A. Smith. No. 895,209; Aug. 4; Sp. p. 875; Dr. p. 183; Gaz. vol. 135; p. 1040.
- Shipping-case, Banana-. C. A. Wellman. No. 880,702; Mar. 3; Sp. p. 414; Dr. p. 89; Gaz. vol. 133; p. 74.
- Shipping-case-cover fastener. J. Brauer. No. 884,890; Apr. 14; Sp. p. 2495; Dr. p. 527; Gaz. vol. 133; p. 1618.
- Shipping-case-cover fastener. J. Brauer. No. 897,343; Sept. 1; Sp. p. 194; Dr. p. 41; Gaz. vol. 136; p. 29.
- Shipping-case, Folding. M. Hutchinson. No. 898,049; Sept. 8; Sp. p. 1674; Dr. p. 355; Gaz. vol. 136; p. 293.
- Shipping-case, Knockdown. L. S. Stiles and F. S. Benson, Jr. No. 888,548; May 26; Sp. p. 4450; Dr. pp. 942-3; Gaz. vol. 134; p. 816.
- Shipping crate or coop. W. H. Johnston. No. 906,891; Dec. 15; Sp. p. 3435; Gaz. vol. 137; p. 1612.
- Shipping-package. W. N. Craw. No. 897,594; Sept. 1; Sp. p. 727; Dr. p. 153; Gaz. vol. 136; p. 115.
- Shipping-tag clasp-attaching device. F. O. Rogers. No. 896,248; Aug. 18; Sp. p. 2907; Dr. p. 627; Gaz. vol. 135; p. 1423.
- Shirt. W. L. Siewers. No. 879,685; Feb. 18; Sp. p. 3700; Dr. p. 775; Gaz. vol. 132; p. 1508.
- Shirt. E. J. Quigley. No. 881,261; Mar. 10; Sp. p. 1534; Dr. p. 330; Gaz. vol. 133; p. 289.
- Shirt. G. G. Rockwood. No. 886,410; May 5; Sp. p. 146; Dr. p. 30; Gaz. vol. 134; p. 29.
- Shirt. J. V. Wilson. No. 890,003; June 9; Sp. p. 1614; Dr. p. 361; Gaz. vol. 134; p. 1345.
- Shirt. T. V. Regan. No. 893,545; July 14; Sp. p. 2354; Dr. p. 493; Gaz. vol. 135; p. 411.
- Shirt. L. Dinger. No. 894,121; July 21; Sp. p. 3629; Dr. p. 748; Gaz. vol. 135; p. 632.
- Shirt. J. Pollak. No. 897,140; Aug. 25; Sp. p. 4771; Dr. p. 1016; Gaz. vol. 135; p. 1738.
- Shirt. L. F. Bowen, Jr. No. 899,154; Sept. 22; Sp. p. 3779; Dr. p. 809; Gaz. vol. 136; p. 710.
- Shirt attachment. J. Plaut. No. 877,366; Jan. 21; Sp. p. 3452; Dr. p. 748; Gaz. vol. 132; p. 629.
- Shirt attachment. V. Hansen. No. 883,639; Mar. 31; Sp. p. 6301; Dr. p. 1344; Gaz. vol. 133; p. 1152.
- Shirt-drier. P. J. Timberlake. No. 877,226; Jan. 21; Sp. p. 3187; Dr. p. 691; Gaz. vol. 132; p. 585.

Alphabetical list of inventions—Continued.

- Shirt form and fastener. H. A. Jenkins. No. 905,322; Dec. 1; Sp. p. 370; Gaz. vol. 137; p. 1048.
- Shirt holder, Laundried-. N. J. Goodman. No. 886,795; May 5; Sp. p. 955; Dr. p. 199; Gaz. vol. 134; p. 155.
- Shirt holder, Laundried-. N. J. Goodman. No. 886,796; May 5; Sp. p. 957; Dr. p. 199; Gaz. vol. 134; p. 155.
- Shirt-waist protector. N. Roller. No. 890,456; June 9; Sp. p. 2528; Dr. p. 559; Gaz. vol. 134; p. 1493.
- Shock-absorber. L. Whitcomb. No. 875,759; Jan. 7; Sp. p. 160; Dr. p. 35; Gaz. vol. 132; p. 31.
- Shock-absorber. G. M. Wilson. No. 877,391; Jan. 21; Sp. p. 3495; Dr. p. 758; Gaz. vol. 132; p. 637.
- Shock-absorber. G. L. Harvey. No. 886,501; May 5; Sp. p. 319; Dr. p. 65; Gaz. vol. 134; p. 59.
- Shock-absorber. W. Parfrey. No. 887,117; May 12; Sp. p. 1551; Dr. p. 328; Gaz. vol. 134; p. 284.
- Shock-absorber. D. M. Davis. No. 887,925; May 19; Sp. p. 3231; Dr. p. 680; Gaz. vol. 134; p. 582.
- Shock-absorber. A. Dutrieux. No. 891,529; June 23; Sp. p. 4757; Dr. p. 1030; Gaz. vol. 134; p. 1911.
- Shock-absorber. F. Doront. No. 891,607; June 23; Sp. p. 4904; Dr. p. 1057; Gaz. vol. 134; p. 1934.
- Shock-absorber. L. S. Watres. No. 893,680; July 21; Sp. p. 2641; Dr. p. 553; Gaz. vol. 135; p. 485.
- Shock-absorber. J. A. Scott. No. 895,113; Aug. 4; Sp. p. 681; Dr. p. 142; Gaz. vol. 135; p. 1007.
- Shock-absorber. J. C. Beck. No. 899,001; Sept. 15; Sp. p. 3472; Dr. pp. 743-4; Gaz. vol. 136; p. 632.
- Shock-absorber. E. Flentje. No. 899,662; Sept. 29; Sp. p. 4784; Dr. p. 1024; Gaz. vol. 136; p. 909.
- Shock-absorber. W. P. Kidder. No. 905,438; Dec. 1; Sp. p. 659; Gaz. vol. 137; p. 1089.
- Shock-absorber. T. Veitch. No. 907,427; Dec. 22; Sp. p. 4503; Gaz. vol. 137; p. 1825.
- Shock-absorbing device. G. R. Smith. No. 881,629; Mar. 10; Sp. p. 2275; Dr. p. 493; Gaz. vol. 133; p. 409.
- Shock-gatherer. M. Ereckson and J. O. Jystad. No. 882,819; Mar. 24; Sp. p. 4624; Dr. p. 986; Gaz. vol. 133; p. 857.
- Shock-gatherer. F. James. No. 889,527; June 2; Sp. p. 676; Dr. p. 156; Gaz. vol. 134; p. 1165.
- Shock-handler. G. F. Pettit. No. 881,260; Mar. 10; Sp. p. 1533; Dr. p. 330; Gaz. vol. 133; p. 289.
- Shock-lifter. A. N. Hadley. No. 886,123; Apr. 28; Sp. p. 5065; Dr. p. 1063; Gaz. vol. 133; p. 2080.
- Shock-loader. T. Robson and W. G. Fisher. No. 891,008; June 16; Sp. p. 3709; Dr. pp. 809-10; Gaz. vol. 134; p. 1708.
- Shock-loader. E. L. Griffin. No. 896,635; Aug. 18; Sp. p. 3678; Dr. pp. 789-90; Gaz. vol. 135; p. 1546.
- Shock-loader. J. O. Ryn. No. 905,463; Dec. 1; Sp. p. 703; Gaz. vol. 137; p. 1097.
- Shock-loading machine. E. N. Smith and C. Walker. No. 889,054; May 26; Sp. p. 5489; Dr. p. 1167; Gaz. vol. 134; p. 981.
- Shock-mover. E. J. Germain and R. Rohr. No. 907,776; Dec. 29; Sp. p. 5256; Gaz. vol. 137; p. 1969.
- Shocks, bundles, and the like, Device for compressing. C. B. Miller and H. F. Harner. No. 906,147; Dec. 8; Sp. p. 2029; Gaz. vol. 137; p. 1347.
- Shocks into wagons, Machine for loading. G. Marshall. No. 890,151; June 9; Sp. p. 1917; Dr. p. 423; Gaz. vol. 134; p. 1395.
- Shocker. R. Woods. No. 885,821; Apr. 28; Sp. p. 4435; Dr. pp. 931-2; Gaz. vol. 133; p. 1981.
- Shocker for binders, Automatic bundle-. J. McCormick. No. 879,403; Feb. 18; Sp. p. 3096; Dr. pp. 643-4; Gaz. vol. 132; p. 1415.
- Shoe. C. R. Schleifer. No. 877,869; Jan. 28; Sp. p. 4429; Dr. p. 964; Gaz. vol. 132; p. 812.
- Shoe. E. G. Healey. No. 878,061; Feb. 4; Sp. p. 342; Dr. p. 71; Gaz. vol. 132; p. 904.
- Shoe. S. N. North. No. 879,979; Feb. 25; Sp. p. 4325; Dr. p. 905; Gaz. vol. 132; p. 1637.
- Shoe. F. W. Homan. No. 883,199; Mar. 31; Sp. p. 5396; Dr. p. 1149; Gaz. vol. 133; p. 1012.
- Shoe. L. L. Bloomington. No. 883,281; Mar. 31; Sp. p. 5568; Dr. p. 1188; Gaz. vol. 133; p. 1039.
- Shoe. A. and D. A. Reed. No. 884,681; Apr. 14; Sp. p. 2084; Dr. p. 445; Gaz. vol. 133; p. 1550.
- Shoe. P. G. Mayhew. No. 886,716; May 5; Sp. p. 779; Dr. pp. 159-60; Gaz. vol. 134; p. 130.
- Shoe. J. M. Quin. No. 886,860; May 5; Sp. p. 1055; Dr. p. 222; Gaz. vol. 134; p. 173.
- Shoe. F. A. Beal. No. 887,456; May 12; Sp. p. 2290; Dr. p. 481; Gaz. vol. 134; p. 397.
- Shoe. J. F. Davis. No. 888,476; May 26; Sp. p. 4301; Dr. p. 911; Gaz. vol. 134; p. 790.
- Shoe. E. Kelly. No. 888,908; May 26; Sp. p. 5231; Dr. p. 1109; Gaz. vol. 134; p. 936.
- Shoe. W. E. Gilman. No. 888,994; May 26; Sp. p. 5390; Dr. p. 1144; Gaz. vol. 134; p. 962.
- Shoe. F. A. Critz, Jr. No. 890,966; June 16; Sp. p. 3628; Dr. p. 789; Gaz. vol. 134; p. 1695.
- Shoe. L. J. Lucke. No. 892,601; July 7; Sp. p. 396; Dr. p. 88; Gaz. vol. 135; p. 73.
- Shoe. L. Q. White. No. 898,710; Sept. 15; Sp. p. 2952; Dr. p. 632; Gaz. vol. 136; p. 537.
- Shoe. J. Hessler. No. 899,978; Sept. 29; Sp. p. 5458; Dr. p. 1164; Gaz. vol. 136; p. 1012.
- Shoe. E. J. Lafond. No. 901,353; Oct. 20; Sp. p. 2666; Dr. p. 546; Gaz. vol. 136; p. 1553.
- Shoe. W. S. Telford. No. 902,929; Nov. 3; Sp. p. 801; Gaz. vol. 137; p. 132.
- Shoe. J. Jensen. No. 903,384; Nov. 10; Sp. p. 1686; Gaz. vol. 137; p. 309.
- Shoe. J. F. Davis. No. 906,114; Dec. 8; Sp. p. 1972; Gaz. vol. 137; p. 1336.
- Shoe. J. T. Tebbutt. No. 906,830; Dec. 15; Sp. p. 3310; Gaz. vol. 137; p. 1593.
- Shoe and making the same. W. R. Green. No. 894,733; July 28; Sp. p. 4881; Dr. p. 1016; Gaz. vol. 135; p. 852.
- Shoe antislipping device. S. Frautschi, Jr. No. 905,510; Dec. 1; Sp. p. 816; Gaz. vol. 137; p. 1113.
- Shoe attachment. C. Wilcox. No. 890,388; June 9; Sp. p. 2415; Dr. p. 552; Gaz. vol. 134; p. 1472.
- Shoe-blackening kit. H. P. Roberts. No. 906,742; Dec. 15; Sp. p. 3144; Gaz. vol. 137; p. 1565.
- Shoe-blackening stand. A. H. Weston. No. 905,258; Dec. 1; Sp. p. 267; Gaz. vol. 137; p. 1029.
- Shoe-blackening stand. C. W. Carter. No. 908,204; Dec. 29; Sp. p. 6165; Gaz. vol. 137; p. 2111.
- Shoe-channeling machine. E. A. Webster. No. 897,328; Sept. 1; Sp. p. 150; Dr. p. 31; Gaz. vol. 136; p. 23.
- Shoe-cleaner. O. T. Crites and H. T. Smoot. No. 881,380; Mar. 10; Sp. p. 1783; Dr. p. 385; Gaz. vol. 133; p. 327.
- Shoe-cleaner. L. L. De Lapp. No. 899,515; Sept. 29; Sp. p. 4477; Dr. p. 961; Gaz. vol. 136; p. 861.
- Shoe-cleaning apparatus. J. Herzog. No. 895,458; Aug. 11; Sp. p. 1380; Dr. p. 290; Gaz. vol. 135; p. 1144.
- Shoe-cleaning apparatus. B. von Salviati. No. 902,254; Oct. 27; Sp. p. 4560; Dr. p. 926; Gaz. vol. 136; p. 1877.
- Shoe-creasing device. W. E. Baldwin. No. 902,547; Nov. 3; Sp. p. 18; Gaz. vol. 137; p. 4.
- Shoe-display form. C. F. Partridge. No. 904,639; Nov. 24; Sp. p. 4323; Gaz. vol. 137; p. 786.
- Shoe-fastener. J. Hulin. No. 878,956; Feb. 11; Sp. p. 2205; Dr. p. 461; Gaz. vol. 132; p. 1230.
- Shoe-fastener. J. W. Barna. No. 884,454; Apr. 14; Sp. p. 1588; Dr. p. 343; Gaz. vol. 133; p. 1476.
- Shoe-fastener. J. P. Wakefield. No. 884,628; Apr. 14; Sp. p. 1941; Dr. p. 417; Gaz. vol. 133; p. 1532.
- Shoe-fastener. E. Ellis. No. 889,301; June 2; Sp. p. 211; Dr. p. 53; Gaz. vol. 134; p. 1092.
- Shoe-fastening. W. A. Dunstan. No. 886,779; May 5; Sp. p. 911; Dr. p. 189; Gaz. vol. 134; p. 150.
- Shoe-finishing jack. G. H. Clark. No. 892,224; June 30; Sp. p. 6161; Dr. p. 1328; Gaz. vol. 134; p. 2171.
- Shoe-finishing machine. J. S. Hansen. No. 886,604; May 5; Sp. p. 517; Dr. pp. 111-12; Gaz. vol. 134; p. 93.
- Shoe for loggers, Safety-. G. L. Clement. No. 901,880; Oct. 20; Sp. p. 3782; Dr. p. 769; Gaz. vol. 136; p. 1727.
- Shoe-form. G. H. Clark. No. 877,049; Jan. 21; Sp. p. 2818; Dr. p. 609; Gaz. vol. 132; p. 525.
- Shoe-form. C. A. Batchelder. No. 877,980; Feb. 4; Sp. p. 163; Dr. p. 37; Gaz. vol. 132; p. 877.
- Shoe-form. W. C. Richardson and E. W. Ford. No. 878,313; Feb. 4; Sp. p. 861; Dr. p. 171; Gaz. vol. 132; p. 987.
- Shoe-form. C. R. Towle. No. 895,816; Aug. 11; Sp. p. 2091; Dr. p. 443; Gaz. vol. 135; p. 1260.
- Shoe-form. W. C. Richardson. No. 898,137; Sept. 8; Sp. p. 1851; Dr. p. 394; Gaz. vol. 136; p. 322.
- Shoe-hanger. R. W. Smith. No. 895,696; Aug. 11; Sp. p. 1836; Dr. p. 391; Gaz. vol. 135; p. 1222.
- Shoe heel and toe beating-up machine. J. O'Connell. No. 905,094; Nov. 24; Sp. p. 5265; Gaz. vol. 137; p. 938.
- Shoe-holder. C. A. Fischer. No. 890,131; June 9; Sp. p. 1872; Dr. pp. 414-15; Gaz. vol. 134; p. 1389.
- Shoe-ironer. S. J. Wentworth. No. 876,249; Jan. 7; Sp. p. 1089; Dr. p. 238; Gaz. vol. 132; p. 185.
- Shoe-ironer and treeing-machine, Rotary. I. E. Fletcher. No. 878,788; Feb. 11; Sp. p. 1896; Dr. p. 390; Gaz. vol. 132; p. 1178.
- Shoe-last. F. E. Benton. No. 905,138; Dec. 1; Sp. p. 24; Gaz. vol. 137; p. 988.
- Shoe lining, backstay, and counter. J. Mitchell. No. 876,473; Jan. 14; Sp. p. 1589; Dr. p. 341; Gaz. vol. 132; p. 291.
- Shoe, Low-cut. W. G. Clopton. No. 876,897; Jan. 14; Sp. p. 2457; Dr. p. 536; Gaz. vol. 132; p. 433.
- Shoe metal fly-protector. L. Feinstein. No. 907,584; Dec. 22; Sp. p. 4828; Gaz. vol. 137; p. 1876.
- Shoe-operatives' knives, Electric heater for. E. N. Chandler. No. 893,783; July 21; Sp. p. 2933; Dr. p. 600; Gaz. vol. 135; p. 520.
- Shoe or slipper, Swimming. F. C. Gorham. No. 895,451; Aug. 11; Sp. p. 1355; Dr. p. 285; Gaz. vol. 135; p. 1142.
- Shoe-polish. H. T. Widgren. No. 904,035; Nov. 17; Sp. p. 3044; Gaz. vol. 137; p. 554.
- Shoe-polisher. L. J. Hardin. No. 882,197; Mar. 17; Sp. p. 3428; Dr. p. 729; Gaz. vol. 133; p. 620.
- Shoe-polisher. J. T. McDonald. No. 885,276; Apr. 21; Sp. p. 3315; Dr. p. 692; Gaz. vol. 133; p. 1777.
- Shoe-polishing apparatus. E. M. Scranton. No. 901,265; Oct. 13; Sp. p. 2459; Dr. p. 505; Gaz. vol. 136; p. 1488.
- Shoe-polishing device. S. M. Sims. No. 887,857; May 19; Sp. p. 3101; Dr. p. 650; Gaz. vol. 134; p. 560.
- Shoe-polishing device. J. M. Genack. No. 890,043; June 9; Sp. p. 1711; Dr. p. 379; Gaz. vol. 134; p. 1360.
- Shoe-polishing device. J. Niemi. No. 908,314; Dec. 29; Sp. p. 6375; Gaz. vol. 137; p. 2149.
- Shoe-polishing kit. L. R. Loughborough. No. 889,532; June 2; Sp. p. 688; Dr. p. 158; Gaz. vol. 134; p. 1167.
- Shoe-polishing machine. R. O. Hammond. No. 879,541; Feb. 18; Sp. p. 3382; Dr. pp. 707-9; Gaz. vol. 132; p. 1461.
- Shoe-polishing machine. J. A. Brewer. No. 900,825; Oct. 13; Sp. p. 1615; Dr. p. 328; Gaz. vol. 136; p. 1348.
- Shoe-polishing machine. F. L. Greer. No. 907,786; Dec. 29; Sp. p. 5275; Gaz. vol. 137; p. 1973.
- Shoe-protector. A. P. Beck and F. H. Teltchik. No. 887,752; May 19; Sp. p. 2883; Dr. p. 607; Gaz. vol. 134; p. 524.
- Shoe-protector. A. Eckhard, Jr. No. 900,499; Oct. 6; Sp. p. 928; Dr. p. 189; Gaz. vol. 136; p. 1213.

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- Shoe-rack. G. B. Gardner and A. H. Higgins. No. 899,249; Sept. 22; Sp. p. 3996; Dr. pp. 851-2; Gaz. vol. 136; p. 741.
- Shoe-rack. W. Cartier. No. 904,755; Nov. 24; Sp. p. 4564; Gaz. vol. 137; p. 824.
- Shoe-scraper. E. O. Wartenbe. No. 906,963; Dec. 8; Sp. p. 1669; Gaz. vol. 137; p. 1288.
- Shoe-shank. H. Brennan. No. 886,181; Apr. 28; Sp. p. 5158; Dr. p. 1086; Gaz. vol. 133; p. 2098.
- Shoe-shank. A. Munsey. No. 903,140; Nov. 3; Sp. p. 1205; Gaz. vol. 137; p. 197.
- Shoe-shank support and shoe. W. Thompson. No. 897,032; Aug. 25; Sp. p. 4565; Dr. p. 974; Gaz. vol. 135; p. 1702.
- Shoe-shank-tacking machine. L. A. Jones. No. 884,392; Apr. 14; Sp. p. 1465; Dr. pp. 312-13; Gaz. vol. 133; p. 1456.
- Shoe-shank-tacking machine. B. B. Waterman. No. 884,437; Apr. 14; Sp. p. 1547; Dr. pp. 332-4; Gaz. vol. 133; p. 1470.
- Shoe-shank-tacking machine. B. B. Waterman. No. 884,438; Apr. 14; Sp. p. 1554; Dr. p. 334-5; Gaz. vol. 133; p. 1471.
- Shoe-shank-tacking machine. B. B. Waterman. (Reissue.) No. 12,870; Oct. 27; Sp. p. 5215; Dr. pp. 1053-4; Gaz. vol. 136; p. 1975.
- Shoe-shank-tacking machine. B. B. Waterman. No. 904,032; Nov. 17; Sp. p. 3034; Gaz. vol. 137; p. 553.
- Shoe-sole support. J. W. Arrowsmith. No. 895,142; Aug. 4; Sp. p. 726; Dr. p. 152; Gaz. vol. 135; p. 1015.
- Shoe-soling device. A. B. Grodaes. No. 905,694; Dec. 1; Sp. p. 1152; Gaz. vol. 137; p. 1170.
- Shoe, Sporting-. T. Corcoran. No. 888,473; May 26; Sp. p. 4296; Dr. p. 909; Gaz. vol. 134; p. 789.
- Shoe-stitching-machine apron. E. Bayard. No. 906,092; Dec. 8; Sp. p. 1924; Gaz. vol. 137; p. 1329.
- Shoe-tongues, Forming. F. W. Crawford. No. 884,471; Apr. 14; Sp. p. 1623; Dr. p. 350; Gaz. vol. 133; p. 1481.
- Shoe-tree. M. L. Gough. No. 885,609; Apr. 21; Sp. p. 3977; Dr. p. 830; Gaz. vol. 133; p. 1881.
- Shoe-tree. B. L. Rinehart and J. W. Owen. No. 890,711; June 16; Sp. p. 3084; Dr. p. 677; Gaz. vol. 134; p. 1610.
- Shoe-tree. H. A. Hayden. No. 896,536; Aug. 18; Sp. p. 3504; Dr. p. 753; Gaz. vol. 135; p. 1515.
- Shoe-tree. J. S. Hansen. No. 903,082; Nov. 3; Sp. p. 1104; Gaz. vol. 137; p. 180.
- Shoe-tree. A. H. Baker. No. 907,115; Dec. 22; Sp. p. 3862; Gaz. vol. 137; p. 1718.
- Shoe tree or form. S. M. Hamblin. No. 904,775; Nov. 24; Sp. p. 4622; Gaz. vol. 137; p. 831.
- Shoe tree or former. W. H. Farnham. No. 907,020; Dec. 15; Sp. p. 3657; Gaz. vol. 137; p. 1652.
- Shoe tree or last. T. W. Post. No. 881,338; Mar. 10; Sp. p. 1684; Dr. p. 363; Gaz. vol. 133; p. 314.
- Shoe, Turned. F. A. Beal. No. 899,501; Sept. 29; Sp. p. 4447; Dr. p. 954; Gaz. vol. 136; p. 857.
- Shoe-upper. W. M. Griffin. No. 877,075; Jan. 21; Sp. p. 2859; Dr. p. 617; Gaz. vol. 132; p. 533.
- Shoe-upper binder, Temporary. J. W. Lippold. No. 891,490; June 23; Sp. p. 4675; Dr. p. 1013; Gaz. vol. 134; p. 1898.
- Shoe-upper-supporting machine. L. J. Courteau. No. 891,912; June 30; Sp. p. 5557; Dr. pp. 1197-8; Gaz. vol. 134; p. 2070.
- Shoe-uppers, Machine for snipping and cementing. H. I. Illingworth. No. 900,171; Oct. 6; Sp. p. 208; Dr. pp. 42-3; Gaz. vol. 136; p. 1106.
- Shoe, Ventilated. G. Valiant. No. 896,488; Aug. 18; Sp. p. 3400; Dr. p. 734; Gaz. vol. 135; p. 1500.
- Shoe, Welt-. A. J. Gabriellan. No. 880,515; Mar. 3; Sp. p. 43; Dr. pp. 10-11; Gaz. vol. 133; p. 11.
- Shoes, Arch-supporter for. J. P. Naughton. No. 899,182; Sept. 22; Sp. p. 3838; Dr. p. 821; Gaz. vol. 136; p. 719.
- Shoes, Cushion for. W. A. Preble. No. 891,634; June 23; Sp. p. 4980; Dr. p. 1073; Gaz. vol. 134; p. 1944.
- Shoes, Electric-heated hand-molder for filling. A. Thoma. No. 878,688; Feb. 11; Sp. p. 1693; Dr. p. 350; Gaz. vol. 132; p. 1145.
- Shoes, Manufacture of. J. Essig. No. 899,788; Sept. 29; Sp. p. 5072; Dr. p. 1084; Gaz. vol. 136; p. 952.
- Shoes, Renewable sole for worn planter-. A. L. Baughman. No. 907,440; Dec. 22; Sp. p. 4532; Gaz. vol. 137; p. 1823.
- Shoes, Spring arch-support for. A. W. Walker. No. 892,386; June 30; Sp. p. 6466; Dr. p. 1394; Gaz. vol. 134; p. 2223.
- Shoes, Spring attachment for. J. Zooboaevch. No. 898,951; Sept. 15; Sp. p. 3383; Dr. p. 726; Gaz. vol. 136; p. 616.
- Shoes, Spring-retainer for sliding. O. C. Little. No. 886,301; Apr. 28; Sp. p. 5390; Dr. p. 1132; Gaz. vol. 133; p. 2139.
- Shoes, Tack-machine for operating on lasted. C. F. Pym. No. 892,888; July 7; Sp. p. 998; Dr. pp. 209-10; Gaz. vol. 135; p. 166.
- Shoes to soles of wood, &c., Machine for nailing the uppers of. C. Sattler. No. 892,010; June 30; Sp. p. 5754; Dr. p. 1237; Gaz. vol. 134; p. 2101.
- Shoemaker's gage. F. L. Richardson. No. 877,864; Jan. 28; Sp. p. 4422; Dr. p. 962; Gaz. vol. 132; p. 810.
- Shoos, Stand for tying. G. Eikenburg. No. 879,374; Feb. 18; Sp. p. 3032; Dr. p. 632; Gaz. vol. 132; p. 1406.
- Shooting-gallery. C. E. Morris. No. 885,358; Apr. 21; Sp. p. 3488; Dr. p. 728; Gaz. vol. 133; p. 1804.
- Shot for shotguns, Case-. B. Camet. No. 900,913; Oct. 13; Sp. p. 1796; Dr. p. 363; Gaz. vol. 136; p. 1376.
- Shotgun attachment. O. E. Michaud. No. 906,443; Dec. 8; Sp. p. 2583; Gaz. vol. 137; p. 1444.
- Shoulder-brace. G. T. Foltz. No. 877,550; Jan. 28; Sp. p. 3859; Dr. p. 835; Gaz. vol. 132; p. 714.
- Shoulder-brace. W. M. Eisen. No. 883,101; Mar. 24; Sp. p. 5174; Dr. p. 1105; Gaz. vol. 133; p. 948.
- Shoulder-brace. M. W. Ferris. No. 903,073; Nov. 3; Sp. p. 1089; Gaz. vol. 137; p. 177.
- Shoulder-brace. D. E. Quick and S. A. Armstrong. No. 903,403; Nov. 10; Sp. p. 1720; Gaz. vol. 137; p. 314.
- Shoulder-pad. D. W. Bartran. No. 890,753; June 16; Sp. p. 3184; Dr. p. 696; Gaz. vol. 134; p. 1625.
- Shovel: See Digging-shovel; Miner's shovel; Plow-shovel; Rotary shovel; Steam-shovel; Sifting-shovel.
- Shovel. J. W. Ellison. No. 883,702; Apr. 7; Sp. p. 56; Dr. p. 8; Gaz. vol. 133; p. 1201.
- Shovel. J. A. Southwell. No. 902,261; Oct. 27; Sp. p. 4574; Dr. p. 928; Gaz. vol. 136; p. 1879.
- Shovel and brush, Combined. T. J. Thompson. No. 877,614; Jan. 28; Sp. p. 3972; Dr. p. 858; Gaz. vol. 132; p. 731.
- Shovel and scoop. B. Zimmer. No. 883,071; Mar. 24; Sp. p. 5118; Dr. p. 1092; Gaz. vol. 133; p. 939.
- Shovel and support therefor. J. Austin. No. 898,623; Sept. 15; Sp. p. 2785; Dr. p. 595; Gaz. vol. 136; p. 510.
- Shovel dippers, Separable tooth for power-. A. O. Anderson and A. Johnson. No. 894,175; July 28; Sp. p. 3761; Dr. p. 779; Gaz. vol. 135; p. 669.
- Shovel driving mechanism, Grain-. W. B. Newlon. No. 896,038; Aug. 11; Sp. p. 2523; Dr. p. 549; Gaz. vol. 135; p. 1333.
- Shovel, &c., handle. F. Skelton. No. 888,541; May 26; Sp. p. 4422; Dr. p. 938; Gaz. vol. 134; p. 812.
- Shovel-handle. S. Rogers. No. 906,462; Dec. 8; Sp. p. 2612; Gaz. vol. 137; p. 1450.
- Shovel-tooth. J. A. Parsons. No. 888,256; May 19; Sp. p. 3849; Dr. p. 808; Gaz. vol. 134; p. 689.
- Shovel tooth, Excavating-. F. J. Thomas. No. 887,984; May 19; Sp. p. 3345; Dr. p. 702; Gaz. vol. 134; p. 602.
- Shovel tooth, Excavating-. J. M. Sherrard. No. 888,046; May 19; Sp. p. 3461; Dr. p. 726; Gaz. vol. 134; p. 621.
- Shovel tooth, Excavating-. J. M. Sherrard. No. 888,047; May 19; Sp. p. 3465; Dr. p. 726; Gaz. vol. 134; p. 621.
- Shoveling-machine, Automatic. C. G. Hawley. No. 895,457; Aug. 11; Sp. p. 1372; Dr. pp. 288-9; Gaz. vol. 135; p. 1144.
- Show-case. J. H. McKiernan and E. A. Patrick. No. 875,838; Jan. 7; Sp. p. 304; Dr. p. 66; Gaz. vol. 132; p. 56.
- Show-case. J. F. Bierend. No. 876,617; Jan. 14; Sp. p. 1922; Dr. p. 419; Gaz. vol. 132; p. 343.
- Show-case. A. N. Lawrence. No. 879,655; Feb. 18; Sp. p. 3635; Dr. p. 760; Gaz. vol. 132; p. 1497.
- Show-case. A. D. Resler. No. 880,827; Mar. 3; Sp. p. 698; Dr. p. 147; Gaz. vol. 133; p. 118.
- Show-case. S. J. Lindskog. No. 884,098; Apr. 7; Sp. p. 871; Dr. p. 183; Gaz. vol. 133; p. 1331.
- Show-case. W. K. Williams. No. 884,549; Apr. 14; Sp. p. 1785; Dr. p. 384; Gaz. vol. 133; p. 1507.
- Show-case. W. C. Bowser. No. 894,310; July 28; Sp. p. 4057; Dr. pp. 837-8; Gaz. vol. 135; p. 715.
- Show-case. C. L. Peters. No. 905,452; Dec. 1; Sp. p. 686; Gaz. vol. 137; p. 1094.
- Show-case. J. S. Garman. No. 905,809; Dec. 1; Sp. p. 1373; Gaz. vol. 137; p. 1209.
- Show-case, Article-delivery. J. B. Hurd. No. 891,544; June 23; Sp. p. 4780; Dr. pp. 1034-5; Gaz. vol. 134; p. 1914.
- Show-case clamp. F. Tynis. No. 884,877; Apr. 14; Sp. p. 2480; Dr. pp. 522-3; Gaz. vol. 133; p. 1615.
- Show-case, Dust-proof knockdown. N. H. Cederquist. No. 884,569; Apr. 14; Sp. p. 1826; Dr. p. 391; Gaz. vol. 133; p. 1514.
- Show-case, Fly and dust proof. W. R. Kirk. No. 907,609; Dec. 22; Sp. p. 4879; Gaz. vol. 137; p. 1884.
- Show-case for displaying pickles and the like. D. W. Imus. No. 899,052; Sept. 22; Sp. p. 3572; Dr. p. 765; Gaz. vol. 136; p. 675.
- Show-case, Illuminated. L. Erikson. No. 892,235; June 30; Sp. p. 6179; Dr. p. 1331; Gaz. vol. 134; p. 2174.
- Show-case, Ribbon. W. E. Miller. No. 880,151; Feb. 25; Sp. p. 4670; Dr. p. 984; Gaz. vol. 132; p. 1693.
- Shredder-feeder. J. B. Schuman. No. 902,334; Oct. 27; Sp. p. 4756; Dr. p. 900; Gaz. vol. 136; p. 1905.
- Shredders, Feeding-platform for. J. B. Schuman. No. 893,387; July 14; Sp. p. 1993; Dr. p. 418; Gaz. vol. 135; p. 359.
- Shredding-machine. M. F. Williams. No. 877,689; Jan. 28; Sp. p. 4109; Dr. p. 889; Gaz. vol. 132; p. 755.
- Shredding-machine. M. F. Williams. No. 877,690; Jan. 28; Sp. p. 4112; Dr. p. 889; Gaz. vol. 132; p. 756.
- Shredding-machine. W. E. Williams. No. 878,262; Feb. 4; Sp. p. 759; Dr. p. 153; Gaz. vol. 132; p. 970.
- Shredding-machine hammer. M. F. Williams. No. 906,346; Dec. 8; Sp. p. 2413; Gaz. vol. 137; p. 1414.
- Shrubbery-cutter. C. Berg. No. 888,053; May 19; Sp. p. 3482; Dr. p. 729; Gaz. vol. 134; p. 624.
- Shucking-rack and fodder-binder, Combined. K. R. Van Winkle. No. 884,879; Apr. 14; Sp. p. 2483; Dr. p. 523; Gaz. vol. 133; p. 1616.
- Shunt. F. W. Roller. No. 892,554; July 7; Sp. p. 310; Dr. p. 68; Gaz. vol. 135; p. 58.
- Shunt or electrical resistance. E. Weston. No. 906,498; Dec. 8; Sp. p. 2082; Gaz. vol. 137; p. 1463.
- Shut-off box. F. M. Eiber. No. 882,145; Mar. 17; Sp. p. 3316; Dr. p. 706; Gaz. vol. 133; p. 604.
- Shutter attachment. J. L. McCaleb. No. 899,889; Sept. 29; Sp. p. 5268; Dr. p. 1127; Gaz. vol. 136; p. 984.
- Shutter-bow. B. E. Beyer. No. 880,064; Feb. 25; Sp. p. 4503; Dr. p. 946; Gaz. vol. 132; p. 1665.
- Shutter-fastener. H. F. Chreitberg. No. 884,895; Apr. 14; Sp. p. 2501; Dr. pp. 528-9; Gaz. vol. 133; p. 1620.
- Shutter-fastener. H. F. Chreitberg. No. 884,896; Apr. 14; Sp. p. 2503; Dr. p. 529; Gaz. vol. 133; p. 1620.
- Shutter-fastener. H. Zimmerman. No. 892,490; July 7; Sp. p. 195; Dr. p. 41; Gaz. vol. 135; p. 37.
- Shutter-fastener bracket. H. Zimmerman. No. 906,358; Dec. 8; Sp. p. 2435; Gaz. vol. 137; p. 1418.
- Shutter-fasteners, Catch-bracket for. H. Zimmerman. No. 887,174; May 12; Sp. p. 1645; Dr. p. 349; Gaz. vol. 134; p. 302.

Alphabetical list of inventions—Continued.

- Shutter-fasteners, Sill-plate for. H. Zimmerman. No. 888,570; May 26; Sp. 4499; Dr. p. 953; Gaz. vol. 134; p. 824.
 Shutter, Flexible or rolling metallic. A. Rush. No. 876,593; Jan. 14; Sp. p. 1857; Dr. p. 406; Gaz. vol. 132; p. 334.
 Shutter, Focal-plane. J. D. Garfield. No. 891,770; June 23; Sp. p. 5248; Dr. pp. 1137-8; Gaz. vol. 134; p. 1991.
 Shutter-lock. H. D. Black. No. 889,749; June 2; Sp. p. 1095; Dr. p. 253; Gaz. vol. 134; p. 1235.
 Shutter-lock. F. T. Skelton. No. 907,646; Dec. 22; Sp. p. 4970; Gaz. vol. 137; p. 1895.
 Shutter lock, Window-. J. Tischler. No. 906,752; Dec. 15; Sp. p. 3170; Gaz. vol. 137; p. 1568.
 Shutter-operating device. E. A. Chegwidan and T. Root. No. 891,326; June 23; Sp. p. 4336; Dr. p. 945; Gaz. vol. 134; p. 1843.
 Shutter-operator. R. C. Spencer, Jr. No. 886,658; May 5; Sp. p. 630; Dr. p. 131; Gaz. vol. 134; p. 109.
 Shutter or blind operating device. D. Drawbaugh. No. 888,792; May 26; Sp. p. 4971; Dr. p. 1061; Gaz. vol. 134; p. 896.
 Shutter, Roller-blind-. W. F. Folmer. No. 885,236; Apr. 21; Sp. p. 3235; Dr. p. 675; Gaz. vol. 133; p. 1763.
 Shutter, Rolling. J. G. Wilson. No. 888,862; May 26; Sp. p. 5115; Dr. p. 1090; Gaz. vol. 134; p. 918.
 Shutter-worker. W. J. Aumen. No. 878,178; Feb. 4; Sp. p. 603; Dr. p. 124; Gaz. vol. 132; p. 943.
 Shutter-worker. J. W. Wooley. No. 879,350; Feb. 18; Sp. p. 2969; Dr. p. 620; Gaz. vol. 132; p. 1398.
 Shutter-worker. A. S. Pierson. No. 883,341; Mar. 31; Sp. p. 5676; Dr. p. 1212; Gaz. vol. 133; p. 1057.
 Shutter-worker. J. Norton. No. 884,103; Apr. 7; Sp. p. 879; Dr. p. 185; Gaz. vol. 133; p. 1333.
 Shutters, Operating device for flexible roller-. E. H. McCloud. No. 878,659; Feb. 11; Sp. p. 1645; Dr. pp. 337-8; Gaz. vol. 132; p. 1136.
 Shuttle. G. Pavia. No. 876,085; Jan. 7; Sp. p. 787; Dr. p. 168; Gaz. vol. 132; p. 133.
 Shuttle. M. Lauterbach. No. 896,027; Aug. 11; Sp. p. 2504; Dr. p. 542; Gaz. vol. 135; p. 1329.
 Shuttle. S. Kendrick. No. 904,538; Nov. 24; Sp. p. 4125; Gaz. vol. 137; p. 752.
 Shuttle. J. C. Nuver. No. 906,455; Dec. 8; Sp. p. 2600; Gaz. vol. 137; p. 1447.
 Shuttle. J. B. Daudelin. No. 908,211; Dec. 29; Sp. p. 6178; Gaz. vol. 137; p. 2114.
 Shuttle-binder. A. Tilch. No. 880,602; Mar. 3; Sp. p. 234; Dr. p. 48; Gaz. vol. 133; p. 41.
 Shuttle-motion device, Positive-. M. T. McMahon. No. 905,908; Dec. 8; Sp. p. 1577; Gaz. vol. 137; p. 1271.
 Shuttle motion, Fly-. E. H. Baber. No. 890,835; June 16; Sp. p. 3340; Dr. p. 732; Gaz. vol. 134; p. 1652.
 Shuttle-replenishing mechanism. E. A. Angus. No. 906,987; Dec. 15; Sp. p. 3599; Gaz. vol. 137; p. 1641.
 Shuttle-threader. J. N. Le Vasseur-Belisle. No. 876,465; Jan. 14; Sp. p. 1575; Dr. p. 358; Gaz. vol. 132; p. 289.
 Sickle. H. Volckmann. No. 898,535; Sept. 15; Sp. p. 2615; Dr. p. 558; Gaz. vol. 136; p. 481.
 Sickle-bar and cutter, Combined. L. R. Clifton. No. 884,897; Apr. 14; Sp. p. 2504; Dr. p. 529; Gaz. vol. 133; p. 1621.
 Side-delivery rake and tedder, Combined. J. D. Baker. No. 897,247; Aug. 25; Sp. p. 5079; Dr. p. 1061; Gaz. vol. 135; p. 1775.
 Side frame and journal-box. G. G. Floyd. No. 878,875; Feb. 11; Sp. p. 2053; Dr. p. 425; Gaz. vol. 132; p. 1205.
 Siding gage or marker. W. Dickman. No. 890,847; June 16; Sp. p. 3360; Dr. p. 736; Gaz. vol. 134; p. 1655.
 Sidewalk-door. W. E. Snaman. No. 894,754; July 28; Sp. p. 4920; Dr. p. 1024; Gaz. vol. 135; p. 858.
 Sidewalk-ventilator. M. Carroll. No. 896,273; Aug. 18; Sp. p. 2954; Dr. p. 636; Gaz. vol. 135; p. 1430.
 Sieve-adjuster. J. G. Keith. No. 885,929; Apr. 28; Sp. p. 4660; Dr. p. 982; Gaz. vol. 133; p. 2016.
 Sieve-adjuster. J. G. Keith. No. 887,480; May 12; Sp. p. 2355; Dr. p. 494; Gaz. vol. 134; p. 405.
 Sieve-cleaner. E. Knips. No. 888,445; May 19; Sp. p. 4240; Dr. p. 898; Gaz. vol. 134; p. 751.
 Sieve, Sifter-. J. S. Coventry. No. 884,899; Apr. 14; Sp. p. 2507; Dr. p. 530; Gaz. vol. 133; p. 1621.
 Sifter. C. D. Marlow. No. 878,973; Feb. 11; Sp. p. 2230; Dr. p. 467; Gaz. vol. 132; p. 1235.
 Sifter. J. W. Robisch. No. 892,892; July 7; Sp. p. 1014; Dr. p. 212; Gaz. vol. 135; p. 168.
 Sifter. J. E. Mueller. No. 896,230; Aug. 18; Sp. p. 2873; Dr. p. 619; Gaz. vol. 135; p. 1417.
 Sifter and strainer, Combined. J. C. Bowe. No. 896,352; Aug. 18; Sp. p. 3123; Dr. p. 671; Gaz. vol. 135; p. 1454.
 Sifter, Ash-. A. Manzo. No. 881,601; Mar. 10; Sp. p. 2202; Dr. p. 480; Gaz. vol. 133; p. 400.
 Sifter, Ash-. G. W. Child. No. 887,031; May 5; Sp. p. 1375; Dr. p. 292; Gaz. vol. 134; p. 228.
 Sifter, Ash-. M. Froese. No. 892,952; July 7; Sp. p. 1130; Dr. p. 237; Gaz. vol. 135; p. 189.
 Sifter, Ash-. G. Lange. No. 900,396; Oct. 6; Sp. p. 684; Dr. p. 140; Gaz. vol. 136; p. 1179.
 Sifter, Ash-. H. S. Brewington. No. 900,826; Oct. 13; Sp. p. 1617; Dr. p. 328; Gaz. vol. 136; p. 1348.
 Sifter, Ash-. H. Schnitzler. No. 904,282; Nov. 17; Sp. p. 3592; Gaz. vol. 137; p. 640.
 Sifter-box. G. W. Rowe. No. 887,851; May 19; Sp. p. 3091; Dr. p. 648; Gaz. vol. 134; p. 558.
 Sifter, Flour-. J. E. Trice. No. 872,868; Jan. 7; Sp. p. 354; Dr. p. 79; Gaz. vol. 132; p. 66.
 Sifter, Gyratory. W. Preston. No. 885,082; Apr. 21; Sp. p. 2883; Dr. pp. 611-12; Gaz. vol. 133; p. 1712.
 Sifter, Gyratory. A. C. Brantingham. (Reissue). No. 12,890; Dec. 1; Sp. p. 1411; Gaz. vol. 137; p. 1215.
 Sifter, Stove ash-. G. Nostwick. No. 902,829; Nov. 3; Sp. p. 595; Gaz. vol. 137; p. 100.
 Sifter-top can or box, Sheet-metal. J. M. Hothersall. No. 886,509; May 5; Sp. p. 332; Dr. p. 68; Gaz. vol. 134; p. 61.
 Sifting apparatus, Ash-. Z. T. and E. Ubil. No. 888,827; May 26; Sp. p. 5044; Dr. p. 1077; Gaz. vol. 134; p. 907.
 Sifting-shovel. E. G. Felty. No. 902,954; Nov. 3; Sp. p. 849; Gaz. vol. 137; p. 141.
 Sight-feed lubricator. F. W. Edwards. No. 887,036; May 5; Sp. p. 1385; Dr. pp. 294-5; Gaz. vol. 134; p. 230.
 Sight-glasses, Safety device for. I. O. E., and M. Northup. No. 898,254; Sept. 8; Sp. p. 2070; Dr. p. 440; Gaz. vol. 136; p. 358.
 Sighting appliance, Illuminating. W. H. Wright. No. 894,306; July 28; Sp. p. 4049; Dr. p. 836; Gaz. vol. 135; p. 713.
 Sighting instrument. A. König. No. 891,621; June 23; Sp. p. 4944; Dr. p. 1065; Gaz. vol. 134; p. 1939.
 Sign. F. S. Townsend. No. 879,426; Feb. 18; Sp. p. 3155; Dr. p. 656; Gaz. vol. 132; p. 1424.
 Sign. E. B. Wolfe. No. 882,857; Mar. 24; Sp. p. 4714; Dr. p. 1002; Gaz. vol. 133; p. 869.
 Sign. G. Bittle. No. 885,426; Apr. 21; Sp. p. 3617; Dr. p. 758; Gaz. vol. 133; p. 1825.
 Sign. G. L. Mason. No. 887,408; May 12; Sp. p. 2208; Dr. p. 462; Gaz. vol. 134; p. 381.
 Sign. B. J. Poy. No. 892,658; July 7; Sp. p. 518; Dr. p. 108; Gaz. vol. 135; p. 92.
 Sign. H. Christensen. No. 894,369; July 28; Sp. p. 4172; Dr. p. 861; Gaz. vol. 135; p. 734.
 Sign. G. J. B. Rodwell. No. 896,328; Aug. 18; Sp. p. 3084; Dr. p. 664; Gaz. vol. 135; p. 1447.
 Sign. S. C. Unruh. No. 898,077; Sept. 8; Sp. p. 1732; Dr. p. 367; Gaz. vol. 136; p. 303.
 Sign. C. A. McNeal. No. 905,565; Dec. 1; Sp. p. 918; Gaz. vol. 137; p. 1130.
 Sign, Advertising-. L. J. Lundgren. No. 876,570; Jan. 14; Sp. p. 1807; Dr. pp. 394-5; Gaz. vol. 132; p. 325.
 Sign, Advertising street-car. A. King. No. 878,637; Feb. 11; Sp. p. 1607; Dr. p. 328; Gaz. vol. 132; p. 1129.
 Sign apparatus, Barber's. P. Zarella. No. 888,569; May 26; Sp. p. 4498; Dr. p. 953; Gaz. vol. 134; p. 823.
 Sign apparatus, Electric-. R. F. Le Brocq. No. 892,749; July 7; Sp. p. 704; Dr. p. 149; Gaz. vol. 135; p. 121.
 Sign, Automatically-moving. G. J. Lord. No. 880,315; Feb. 25; Sp. p. 5000; Dr. p. 1055; Gaz. vol. 132; p. 1748.
 Sign-board. J. Fisher. No. 887,469; May 12; Sp. p. 2327; Dr. p. 487; Gaz. vol. 134; p. 401.
 Sign-board. J. R. Fitzgerald. No. 890,631; June 16; Sp. p. 2920; Dr. p. 639; Gaz. vol. 134; p. 1584.
 Sign-board. A. O. Johnson. No. 894,505; July 28; Sp. p. 4443; Dr. p. 920; Gaz. vol. 135; p. 778.
 Sign, Cross-road. F. E. Watkins. No. 905,392; Dec. 1; Sp. p. 522; Gaz. vol. 137; p. 1073.
 Sign-displaying device. Z. T. and E. Ubil. No. 887,879; May 19; Sp. p. 3148; Dr. pp. 662-3; Gaz. vol. 134; p. 567.
 Sign-displaying device. H. S. Lafond. No. 902,496; Oct. 27; Sp. p. 5096; Dr. p. 1032; Gaz. vol. 136; p. 1959.
 Sign-displaying mechanism. J. H. Hart. No. 907,793; Dec. 29; Sp. p. 5294; Gaz. vol. 137; p. 1976.
 Sign, Electric. D. F. Miller. No. 878,146; Feb. 4; Sp. p. 496; Dr. p. 106; Gaz. vol. 132; p. 931.
 Sign, Electric. I. Young. No. 880,263; Feb. 25; Sp. p. 4898; Dr. pp. 1035-7; Gaz. vol. 132; p. 1731.
 Sign, Electric. S. E. Doane. No. 882,555; Mar. 24; Sp. p. 4104; Dr. p. 870; Gaz. vol. 133; p. 770.
 Sign, Electric. G. C. Nientimp. No. 889,145; May 26; Sp. p. 5686; Dr. pp. 1203-4; Gaz. vol. 134; p. 1010.
 Sign, Electric. H. J. Walser. No. 902,028; Oct. 27; Sp. p. 4114; Dr. p. 833; Gaz. vol. 136; p. 1806.
 Sign, Electric. J. P. Shearer. No. 905,468; Dec. 1; Sp. p. 721; Gaz. vol. 137; p. 1099.
 Sign, Electric-light. M. Norden. No. 881,943; Mar. 17; Sp. p. 2922; Dr. p. 624; Gaz. vol. 133; p. 539.
 Sign, Enamel. A. P. Claridge. No. 884,570; Apr. 14; Sp. p. 1828; Dr. p. 392; Gaz. vol. 133; p. 1514.
 Sign-exhibiting device, Changeable-. J. J. Metzger. No. 901,631; Oct. 20; Sp. p. 3271; Dr. pp. 670-1; Gaz. vol. 136; p. 1645.
 Sign, Illuminated. J. W. Ellis. No. 881,390; Mar. 10; Sp. p. 1800; Dr. p. 389; Gaz. vol. 133; p. 330.
 Sign, Illuminated. J. Hotchner. No. 883,682; Mar. 31; Sp. p. 6390; Dr. p. 1303; Gaz. vol. 133; p. 1166.
 Sign, Illuminated. R. R. Wiley. No. 885,118; Apr. 21; Sp. p. 2980; Dr. p. 629; Gaz. vol. 133; p. 1724.
 Sign, Illuminated. W. Booth. No. 885,831; Apr. 28; Sp. p. 4459; Dr. p. 936; Gaz. vol. 133; p. 1981.
 Sign, Illuminated. C. L. Carter. No. 898,184; Sept. 8; Sp. p. 1942; Dr. p. 414; Gaz. vol. 136; p. 337.
 Sign-illuminating device. W. H. Nicolay. No. 877,362; Jan. 21; Sp. p. 3444; Dr. p. 747; Gaz. vol. 132; p. 628.
 Sign, Lighted. S. Grimson. No. 888,082; May 19; Sp. p. 3524; Dr. pp. 736-7; Gaz. vol. 134; p. 632.
 Sign, Metal. F. W. Perry. No. 884,951; Apr. 14; Sp. p. 2622; Dr. pp. 553-4; Gaz. vol. 133; p. 1637.
 Sign, Metal. F. W. Perry. No. 892,615; July 7; Sp. p. 415; Dr. p. 92; Gaz. vol. 135; p. 77.
 Sign, Metal. W. J. Reeser. No. 905,228; Dec. 1; Sp. p. 217; Gaz. vol. 137; p. 1020.
 Sign or illuminating device, Electric. W. N. McComb. No. 882,013; Mar. 17; Sp. p. 3079; Dr. p. 655; Gaz. vol. 133; p. 562.
 Sign or the like, Advertising-. S. Krotoschin. No. 882,949; Mar. 24; Sp. p. 4902; Dr. p. 1039; Gaz. vol. 133; p. 901.
 Sign, Phosphorescent. B. G. Kodjbanoff. No. 899,873; Sept. 29; Sp. p. 5243; Dr. p. 1121; Gaz. vol. 136; p. 980.
 Sign, Portable. C. T. Raymond. No. 900,890; Oct. 6; Sp. p. 1107; Dr. p. 227; Gaz. vol. 136; p. 1243.

Alphabetical list of inventions—Continued.

- Sign-receptacle. C. D. Platt. No. 903,768; Nov. 10; Sp. p. 2460; Gaz. vol. 137; p. 431.
- Sign-receptacle, Electrical-. F. J. Russell. No. 881,344; Mar. 10; Sp. p. 1692; Dr. p. 366; Gaz. vol. 133; p. 315.
- Sign, Rotary. P. O. Peters. No. 895,892; Aug. 11; Sp. p. 2233; Dr. p. 476; Gaz. vol. 135; p. 1285.
- Sign, Street-. A. O. Warner. No. 876,754; Jan. 14; Sp. p. 2177; Dr. p. 478; Gaz. vol. 132; p. 386.
- Sign, Talking-. L. R. Paige. No. 883,737; Apr. 7; Sp. p. 117; Dr. pp. 20-1; Gaz. vol. 133; p. 1211.
- Signal: See Alarm-signal; Automobile danger-signal; Block-signal; Car-signal; Crossing-signal; Electric signal; Elevator light-signal; Fire-alarm signal; Fire-truck signal; Flag-signal; Mail-box signal; Motor-signal; Railway-signal; Railway block-signal; Railway-switch signal; Switch-signal; Switchboard-signal; Telephone-signal; Train-signal; Train-order signal; Vehicle speed signal; Visual signal.
- Signal. E. A. Wolf. No. 879,022; Feb. 11; Sp. p. 2321; Dr. p. 453; Gaz. vol. 132; p. 1250.
- Signal. F. B. Corey. No. 882,554; Mar. 24; Sp. p. 4099; Dr. pp. 869-70; Gaz. vol. 133; p. 770.
- Signal. F. H. Pettit. No. 885,644; Apr. 21; Sp. p. 4060; Dr. p. 848; Gaz. vol. 133; p. 1892.
- Signal. D. H. Coker and W. A. Scarbrough. No. 898,968; Sept. 15; Sp. p. 3416; Dr. p. 734; Gaz. vol. 136; p. 622.
- Signal. C. C. Malloy. No. 908,291; Dec. 29; Sp. p. 6323; Gaz. vol. 137; p. 2140.
- Signal and order attachment for rural-route mail-boxes. J. H. Brockway. No. 905,284; Dec. 1; Sp. p. 311; Gaz. vol. 137; p. 1037.
- Signal and spring-jack, Combined. J. L. McQuarrie. No. 890,695; June 16; Sp. p. 3042; Dr. p. 667; Gaz. vol. 134; p. 1605.
- Signal and train-stopping apparatus, Combination. A. L. Ruthven. No. 883,350; Mar. 31; Sp. p. 5694; Dr. p. 1216; Gaz. vol. 133; p. 1060.
- Signal apparatus. W. T. Moon. No. 900,679; Oct. 6; Sp. p. 1310; Dr. p. 269; Gaz. vol. 136; p. 1274.
- Signal apparatus. E. B. Dailey. No. 904,512; Nov. 24; Sp. p. 4074; Gaz. vol. 137; p. 743.
- Signal apparatus. L. G. Woolley. No. 905,266; Dec. 1; Sp. p. 281; Gaz. vol. 137; p. 1031.
- Signal apparatus, Busy-. C. J. Erickson. No. 885,915; Apr. 28; Sp. p. 4613; Dr. p. 967; Gaz. vol. 133; p. 2012.
- Signal-blade clasp. H. C. Williams. No. 880,949; Mar. 3; Sp. p. 927; Dr. p. 200; Gaz. vol. 133; p. 157.
- Signal-blade clasp. W. F. and L. W. Bossert. No. 887,306; May 12; Sp. p. 1976; Dr. p. 415; Gaz. vol. 134; p. 347.
- Signal-box. N. H. Suren. No. 898,076; Sept. 8; Sp. p. 1731; Dr. p. 367; Gaz. vol. 136; p. 303.
- Signal-box. F. W. Cole. No. 898,085; Sept. 8; Sp. p. 1758; Dr. p. 374; Gaz. vol. 136; p. 308.
- Signal-controlling device, Electromagnetic. H. M. Crane. No. 830,220; June 9; Sp. p. 2055; Dr. p. 451; Gaz. vol. 134; p. 1418.
- Signal device. J. W. Atlee. No. 892,572; July 7; Sp. p. 339; Dr. p. 75; Gaz. vol. 135; p. 63.
- Signal device, Electric. E. Schermerhorn. No. 881,264; Mar. 10; Sp. p. 1541; Dr. p. 332; Gaz. vol. 133; p. 290.
- Signal or switch apparatus and signaling system. A. J. Wilson. No. 887,169; May 12; Sp. p. 1632; Dr. pp. 347-8; Gaz. vol. 134; p. 301.
- Signal-recorder. W. O. Rees. No. 890,528; June 9; Sp. p. 2671; Dr. p. 589; Gaz. vol. 134; p. 1516.
- Signal system. J. A. Gehrung. No. 880,136; Feb. 25; Sp. p. 4631; Dr. p. 978; Gaz. vol. 132; p. 1687.
- Signal system. R. Pfeil. No. 897,138; Aug. 25; Sp. p. 4764; Dr. pp. 1014-15; Gaz. vol. 135; p. 1737.
- Signal system. B. A. Slater and M. J. McDermott. No. 902,118; Oct. 27; Sp. p. 4285; Dr. pp. 868-9; Gaz. vol. 136; p. 1834.
- Signal system. J. J. Ruddick. No. 903,785; Nov. 10; Sp. p. 2501; Gaz. vol. 137; p. 438.
- Signal system. J. L. Hall. No. 905,513; Dec. 1; Sp. p. 820; Gaz. vol. 137; p. 1114.
- Signal system, Automatic electric. E. Van Brigle. No. 893,402; July 14; Sp. p. 2026; Dr. p. 425; Gaz. vol. 135; p. 365.
- Signal system, Electric. A. A. Barbera. No. 897,702; Sept. 1; Sp. p. 934; Dr. p. 198; Gaz. vol. 136; p. 150.
- Signal system with continuous rail connections. D. J. McCarthy. No. 907,165; Dec. 22; Sp. p. 3952; Gaz. vol. 137; p. 1734.
- Signal-tower. J. H. Markley. No. 890,916; June 16; Sp. p. 3496; Dr. pp. 766-7; Gaz. vol. 134; p. 1677.
- Signals, Automatic brake-operating attachment for. W. C. Patterson. No. 878,016; Feb. 4; Sp. p. 243; Dr. p. 55; Gaz. vol. 132; p. 889.
- Signals, Electrical apparatus for transmitting. C. Salmon and H. J. Creffield. No. 896,584; Aug. 18; Sp. p. 3588; Dr. p. 772; Gaz. vol. 135; p. 1530.
- Signals, Electromechanical slot for. G. S. Pfisterer. No. 880,398; Feb. 25; Sp. p. 5164; Dr. pp. 1089-90; Gaz. vol. 132; p. 1774.
- Signaling. M. H. Hovey. No. 896,831; Aug. 25; Sp. p. 4113; Dr. p. 883; Gaz. vol. 135; p. 1634.
- Signaling and switching apparatus, Electrical. R. H. Manson. No. 878,465; Feb. 4; Sp. p. 1142; Dr. p. 234; Gaz. vol. 132; p. 1036.
- Signaling and switching apparatus, Electrical. R. H. Manson. No. 887,261; May 12; Sp. p. 1842; Dr. p. 389; Gaz. vol. 134; p. 330.
- Signaling and telephone system, Composite. H. O. Rugh. No. 882,347; Mar. 17; Sp. p. 3719; Dr. p. 791; Gaz. vol. 133; p. 670.
- Signaling apparatus. J. G. Homet. No. 879,548; Feb. 18; Sp. p. 3409; Dr. p. 714; Gaz. vol. 132; p. 1463.
- Signaling apparatus. W. T. Stanworth. No. 881,734; Mar. 10; Sp. p. 2471; Dr. p. 531; Gaz. vol. 133; p. 440.
- Signaling apparatus. G. F. Atwood. No. 897,866; Sept. 8; Sp. p. 1279; Dr. pp. 273-4; Gaz. vol. 136; p. 233.
- Signaling apparatus, Electric. S. Evershed. No. 877,311; Jan. 21; Sp. p. 3354; Dr. p. 727; Gaz. vol. 132; p. 611.
- Signaling apparatus, Electric. N. M. Watson. No. 902,630; Nov. 3; Sp. p. 195; Gaz. vol. 137; p. 33.
- Signaling apparatus, Electrical. B. F. Wooding. No. 878,106; Feb. 4; Sp. p. 429; Dr. p. 91; Gaz. vol. 132; p. 918.
- Signaling apparatus, Electrical. B. F. Wooding. No. 882,089; Mar. 17; Sp. p. 3225; Dr. pp. 685-6; Gaz. vol. 133; p. 587.
- Signaling apparatus, Selecting device for electrical. J. Barry. No. 885,692; May 26; Sp. p. 4763; Dr. p. 1013; Gaz. vol. 134; p. 864.
- Signaling apparatus, Wireless. L. De Forest. No. 894,378; July 28; Sp. p. 4189; Dr. p. 864; Gaz. vol. 135; p. 736.
- Signaling-circuit. H. O. Rugh. No. 897,413; Sept. 1; Sp. p. 360; Dr. p. 75; Gaz. vol. 136; p. 55.
- Signaling device. S. C. Cart. No. 882,744; Mar. 24; Sp. p. 4484; Dr. p. 955; Gaz. vol. 133; p. 833.
- Signaling device, Automatic. G. Milburn. No. 885,168; Apr. 21; Sp. p. 3032; Dr. pp. 650-1; Gaz. vol. 133; p. 1740.
- Signaling device for humidors. C. Subert. No. 904,099; Nov. 17; Sp. p. 3172; Gaz. vol. 137; p. 576.
- Signaling device, Marine. M. Boyd. No. 901,677; Oct. 20; Sp. p. 3363; Dr. pp. 689-90; Gaz. vol. 136; p. 1661.
- Signaling device, Selective. I. F. Manny. No. 902,099; Oct. 27; Sp. p. 4240; Dr. pp. 859-60; Gaz. vol. 136; p. 1828.
- Signaling, Electric. F. W. and F. W. Maxstadt. Jr. No. 887,681; May 12; Sp. p. 2729; Dr. p. 577; Gaz. vol. 134; p. 471.
- Signaling, Electric. W. E. Hallett and F. Kameron. No. 888,885; May 26; Sp. p. 5182; Dr. p. 1100; Gaz. vol. 134; p. 928.
- Signaling mechanism. W. H. Gilman. No. 893,993; July 21; Sp. p. 3376; Dr. pp. 690-1; Gaz. vol. 135; p. 589.
- Signaling mechanism, Automatic. J. Reuter. No. 883,829; Apr. 7; Sp. p. 317; Dr. pp. 59-60; Gaz. vol. 133; p. 1242.
- Signaling or telegraph apparatus for use on vehicles, Electric. R. B. North. No. 898,915; Sept. 15; Sp. p. 3325; Dr. pp. 712-13; Gaz. vol. 136; p. 604.
- Signaling receiver, Wireless-. V. Poulsen. No. 897,779; Sept. 1; Sp. p. 1089; Dr. p. 234; Gaz. vol. 136; p. 174.
- Signaling system. B. Staub. No. 880,762; Mar. 3; Sp. p. 553; Dr. p. 117; Gaz. vol. 133; p. 96.
- Signaling system. E. E. Kleinschmidt. No. 881,005; Mar. 3; Sp. p. 1031; Dr. pp. 223-4; Gaz. vol. 133; p. 176.
- Signaling system. E. E. Kleinschmidt. No. 884,737; Apr. 14; Sp. p. 2191; Dr. pp. 464-5; Gaz. vol. 133; p. 1570.
- Signaling system. E. E. Kleinschmidt. No. 884,738; Apr. 14; Sp. p. 2197; Dr. p. 465; Gaz. vol. 133; p. 1570.
- Signaling system. J. Shepherd. No. 886,879; May 5; Sp. p. 1091; Dr. p. 229; Gaz. vol. 134; p. 179.
- Signaling system. G. Babcock. No. 887,748; May 19; Sp. p. 2869; Dr. p. 606; Gaz. vol. 134; p. 522.
- Signaling system. S. Cabot. No. 899,239; Sept. 22; Sp. p. 3958; Dr. pp. 844-5; Gaz. vol. 136; p. 738.
- Signaling system. S. Cabot. No. 899,240; Sept. 22; Sp. p. 3966; Dr. pp. 845-6; Gaz. vol. 136; p. 738.
- Signaling system. S. Cabot. No. 899,241; Sept. 22; Sp. p. 3971; Dr. p. 846; Gaz. vol. 136; p. 739.
- Signaling system. S. Cabot. No. 899,242; Sept. 22; Sp. p. 3976; Dr. pp. 847-9; Gaz. vol. 136; p. 739.
- Signaling system. G. Babcock. No. 904,918; Nov. 24; Sp. p. 4917; Gaz. vol. 137; p. 878.
- Signaling system, Electric. J. G. Nolen. No. 878,013; Feb. 4; Sp. p. 235; Dr. pp. 53-4; Gaz. vol. 132; p. 888.
- Signaling system, Electric. J. D. Taylor. No. 882,276; Mar. 17; Sp. p. 3586; Dr. p. 761; Gaz. vol. 133; p. 646.
- Signaling system, Electric. F. L. O'Bryan. No. 889,482; June 2; Sp. p. 596; Dr. pp. 139-40; Gaz. vol. 134; p. 1151.
- Signaling system, Electric. H. C. Reagan. No. 897,401; Sept. 1; Sp. p. 334; Dr. p. 71; Gaz. vol. 136; p. 51.
- Signaling system, Electric. E. Roe. No. 898,324; Sept. 8; Sp. p. 2190; Dr. p. 465; Gaz. vol. 136; p. 379.
- Signaling system, Electric railway. Y. Burgess. No. 904,834; Nov. 24; Sp. p. 4747; Gaz. vol. 137; p. 852.
- Signaling system, Electrical. J. P. Sauer. No. 904,018; Nov. 17; Sp. p. 3006; Gaz. vol. 137; p. 548.
- Signaling system, Selective. G. Babcock. No. 893,125; July 14; Sp. p. 1493; Dr. p. 316; Gaz. vol. 135; p. 274.
- Signaling system, Selective. H. O. Rugh. No. 899,564; Sept. 29; Sp. p. 4587; Dr. p. 986; Gaz. vol. 136; p. 879.
- Signaling system, Selective. O. W. Hart. No. 901,441; Oct. 20; Sp. p. 2875; Dr. pp. 587-9; Gaz. vol. 136; p. 1585.
- Signaling systems, Receiver for space. L. D. Wildman. No. 883,437; Mar. 31; Sp. p. 5910; Dr. p. 1261; Gaz. vol. 133; p. 1090.
- Signature-gathering machine. C. A. Juengst. No. 893,510; July 14; Sp. p. 2282; Dr. p. 479; Gaz. vol. 135; p. 400.
- Silage-distributor. J. Dick. No. 877,304; Jan. 21; Sp. p. 3337; Dr. pp. 723-4; Gaz. vol. 132; p. 609.
- Silicate, Treating aluminum. F. J. Tone. No. 906,173; Dec. 8; Sp. p. 2080; Gaz. vol. 137; p. 1356.
- Silicon carbide, Producing. F. J. Tone. No. 908,357; Dec. 29; Sp. p. 6472; Gaz. vol. 137; p. 2164.
- Silicon dioxide, Making. H. N. Potter. No. 886,637; May 5; Sp. p. 581; Gaz. vol. 134; p. 102.
- Silicon monoxide, Making. H. N. Potter. No. 886,636; May 5; Sp. p. 580; Gaz. vol. 134; p. 102.
- Silicon monoxide, Treatment of. H. N. Potter. No. 908,131; Dec. 29; Sp. p. 5988; Gaz. vol. 137; p. 2086.
- Silicon, Producing. F. J. Tone. No. 906,338; Dec. 8; Sp. p. 2400; Gaz. vol. 137; p. 1412.
- Silicon, Producing. H. N. Potter. No. 908,130; Dec. 29; Sp. p. 5984; Gaz. vol. 137; p. 2085.
- Silicospiegel, Producing. E. F. Price. No. 882,418; Mar. 17; Sp. p. 3331; Dr. p. 818; Gaz. vol. 133; p. 692.

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- Silk and making the same, Consolidated natural. P. Schmid. No. 897,159; Aug. 25; Sp. p. 4806; Gaz. vol. 135; p. 1743.
- Silk, Treating. E. P. L. Sisley. No. 878,902; Feb. 11; Sp. p. 2109; Gaz. vol. 132; p. 1213.
- Silk, Ungumming raw. P. Schmid. No. 895,112; Aug. 4; Sp. p. 681; Gaz. vol. 135; p. 1007.
- Silo-filling device. W. W. Bateman. No. 892,498; July 7; Sp. p. 216; Dr. p. 45; Gaz. vol. 135; p. 40.
- Silver from solution, Recovering. T. A. Ross. No. 901,124; Oct. 13; Sp. p. 2206; Dr. p. 448; Gaz. vol. 136; p. 1443.
- Singe-register. J. W. B. Faris. No. 898,569; Sept. 15; Sp. p. 2681; Dr. p. 573; Gaz. vol. 136; p. 492.
- Singeing-machine. W. W. Burson. No. 875,980; Jan. 7; Sp. p. 572; Dr. pp. 123-4; Gaz. vol. 132; p. 100.
- Singeing-machine. T. Allsop and W. W. Sibson. No. 895,711; Aug. 11; Sp. p. 1865; Dr. pp. 395-6; Gaz. vol. 135; p. 1227.
- Single-phase motor. J. J. Wood. No. 878,923; Feb. 11; Sp. p. 2142; Dr. pp. 447-8; Gaz. vol. 132; p. 1219.
- Sink-back. G. Edwards. No. 908,080; Dec. 29; Sp. p. 5876; Gaz. vol. 137; p. 2068.
- Sink, basin, &c. A. D. Martin. No. 907,261; Dec. 22; Sp. p. 4183; Gaz. vol. 137; p. 1769.
- Sink, bath-tub, washstand, &c. C. F. Tracey. No. 895,913; Aug. 11; Sp. p. 2269; Dr. p. 494; Gaz. vol. 135; p. 1292.
- Sink drainer, Kitchen-. G. W. Knapp. No. 900,684; Oct. 6; Sp. p. 1323; Dr. p. 270; Gaz. vol. 136; p. 1274.
- Sink or tub, Folding. A. Hines, C. Champeny, and J. L. Crisler. No. 877,770; Jan. 28; Sp. p. 4248; Dr. p. 922; Gaz. vol. 132; p. 780.
- Sink-stopper. W. F. Schacht. No. 901,195; Oct. 13; Sp. p. 2325; Dr. p. 477; Gaz. vol. 136; p. 1466.
- Sintering apparatus. E. B. Clark and C. H. Fettel. No. 891,327; June 23; Sp. p. 4337; Dr. p. 946; Gaz. vol. 134; p. 1843.
- Sintering blue-billy. J. G. Bergquist. No. 877,394; Jan. 21; Sp. p. 3500; Gaz. vol. 132; p. 638.
- Siphon. D. Landau. No. 891,179; June 16; Sp. p. 4010; Dr. p. 880; Gaz. vol. 134; p. 1761.
- Siphon. D. Landau. No. 893,850; July 21; Sp. p. 3079; Dr. pp. 629-30; Gaz. vol. 135; p. 542.
- Siphon. W. P. Locke. No. 894,798; July 28; Sp. p. 5003; Dr. p. 1044; Gaz. vol. 135; p. 873.
- Siphon. J. Silverberg. No. 895,694; Aug. 11; Sp. p. 1834; Dr. p. 390; Gaz. vol. 135; p. 1222.
- Siphon. J. Martin. No. 901,979; Oct. 27; Sp. p. 3997; Dr. p. 814; Gaz. vol. 136; p. 1791.
- Siphon, Automatic flush-tank. G. Land. No. 897,378; Sept. 1; Sp. p. 281; Dr. p. 57; Gaz. vol. 136; p. 42.
- Siphon device for withdrawing liquids from vessels. A. W. Omond. No. 892,382; June 30; Sp. p. 6459; Dr. p. 1393; Gaz. vol. 134; p. 2222.
- Siphon, Dispensing. J. A. Schultz, Jr. No. 902,258; Oct. 27; Sp. p. 4567; Dr. pp. 927-8; Gaz. vol. 136; p. 1878.
- Siphon-head. H. H. Freudenfeld. No. 893,577; July 14; Sp. p. 2438; Dr. p. 507; Gaz. vol. 135; p. 421.
- Siphon, Pipe-. S. F. Miller. No. 903,395; Nov. 10; Sp. p. 1706; Gaz. vol. 137; p. 312.
- Siphon structure. J. Maddock. No. 897,118; Aug. 25; Sp. p. 4730; Dr. p. 1008; Gaz. vol. 135; p. 1730.
- Size-determiner. H. Goodwin and W. R. Rowe. No. 896,205; Aug. 13; Sp. p. 2822; Dr. p. 608; Gaz. vol. 135; p. 1407.
- Sizing-classifier. W. L. Card, F. W. Bosco, and C. I. Glassbrook. No. 890,602; June 16; Sp. p. 2850; Dr. p. 628; Gaz. vol. 134; p. 1574.
- Sizing-machine. G. Maurel-Leclercq. No. 890,782; June 16; Sp. p. 3241; Dr. pp. 708-9; Gaz. vol. 134; p. 1634.
- Sizing or slashing machines, Sow-box of. J. Rushton, J. L. Hopper, and J. H. Hardacre. No. 882,421; Mar. 17; Sp. p. 3834; Dr. p. 819; Gaz. vol. 133; p. 693.
- Skate. G. Fletcher. No. 875,905; Jan. 7; Sp. p. 431; Dr. p. 95; Gaz. vol. 132; p. 78.
- Skate. C. Wall. No. 883,923; Apr. 7; Sp. p. 510; Dr. p. 101; Gaz. vol. 133; p. 1273.
- Skate. J. C. Miller. No. 889,946; June 9; Sp. p. 1486; Dr. p. 338; Gaz. vol. 134; p. 1325.
- Skate. J. King. No. 892,164; June 30; Sp. p. 6044; Dr. p. 1300; Gaz. vol. 134; p. 2151.
- Skate. C. W. Quin and M. E. Massey. No. 906,929; Dec. 15; Sp. p. 3507; Gaz. vol. 137; p. 1625.
- Skate, Combined roller and ice. T. Spacie. No. 876,245; Jan. 7; Sp. p. 1083; Dr. p. 237; Gaz. vol. 132; p. 184.
- Skate, Convertible. F. Graffenberger. No. 880,519; Mar. 3; Sp. p. 54; Dr. p. 13; Gaz. vol. 133; p. 12.
- Skate-frame. W. P. Dodge. No. 898,099; Sept. 8; Sp. p. 1770; Dr. p. 376; Gaz. vol. 136; p. 310.
- Skate, Roller-. P. M. Rulli and J. V. Martrano. No. 876,093; Jan. 7; Sp. p. 798; Dr. p. 170; Gaz. vol. 132; p. 135.
- Skate, Roller-. J. Miner. No. 880,684; Mar. 3; Sp. p. 882; Dr. p. 84; Gaz. vol. 133; p. 68.
- Skate, Roller-. C. Rosenberg. No. 880,921; Mar. 3; Sp. p. 887; Dr. p. 191; Gaz. vol. 133; p. 149.
- Skate, Roller-. T. J. Hruby. No. 882,782; Mar. 24; Sp. p. 4542; Dr. p. 969; Gaz. vol. 133; p. 843.
- Skate, Roller-. E. H. Copenhaver and W. Colvin. No. 882,999; Mar. 24; Sp. p. 4990; Dr. p. 1061; Gaz. vol. 133; p. 916.
- Skate, Roller-. H. Carlsson. No. 889,580; June 2; Sp. p. 775; Dr. p. 177; Gaz. vol. 134; p. 1182.
- Skate, Roller-. W. McLay. No. 892,758; July 7; Sp. p. 717; Dr. p. 151; Gaz. vol. 135; p. 124.
- Skate, Roller-. W. P. Dodge. No. 893,148; July 14; Sp. p. 1533; Dr. p. 327; Gaz. vol. 135; p. 283.
- Skate, Roller-. W. J. Williamson and J. P. Klinchaw. No. 893,291; July 14; Sp. p. 1825; Dr. p. 383; Gaz. vol. 135; p. 329.
- Skate, Roller-. J. F. H. Martensen. No. 893,341; July 14; Sp. p. 1915; Dr. p. 401; Gaz. vol. 135; p. 344.
- Skate, Roller-. T. M. Ferguson. No. 899,903; Sept. 29; Sp. p. 5427; Dr. p. 1157; Gaz. vol. 136; p. 1007.
- Skate, Roller-. T. S. Leitch. No. 900,177; Oct. 6; Sp. p. 225; Dr. p. 46; Gaz. vol. 136; p. 1109.
- Skate, Roller-. E. W. White. No. 901,136; Oct. 13; Sp. p. 2224; Dr. p. 453; Gaz. vol. 136; p. 1447.
- Skate, Roller-. C. O. Wellnitz. No. 903,525; Nov. 10; Sp. p. 1979; Gaz. vol. 137; p. 356.
- Skate, Roller-. E. P. Rother. No. 904,088; Nov. 17; Sp. p. 3151; Gaz. vol. 137; p. 572.
- Skate, Roller-. J. L. Plimpton. No. 906,281; Dec. 8; Sp. p. 2282; Gaz. vol. 137; p. 1392.
- Skate-roller. L. Zamboni. No. 907,100; Dec. 15; Sp. p. 3801; Gaz. vol. 137; p. 1676.
- Skate tire, Roller-. I. Wanta. No. 905,031; Nov. 24; Sp. p. 5140; Gaz. vol. 137; p. 917.
- Skates, Shoe-protector for. A. Wenning. No. 889,348; June 2; Sp. p. 301; Dr. p. 71; Gaz. vol. 134; p. 1107.
- Skaters in rinks, Apparatus for supporting roller-. C. A. Spooner. No. 889,268; June 2; Sp. p. 150; Dr. p. 36; Gaz. vol. 134; p. 1082.
- Skating-rink, Portable. J. F. Laytham. No. 903,486; Nov. 10; Sp. p. 1900; Gaz. vol. 137; p. 343.
- Skee. L. H. Hannas. No. 902,654; Nov. 3; Sp. p. 239; Gaz. vol. 137; p. 40.
- Skee-stirrup. C. Nordlander. No. 891,363; June 23; Sp. p. 4420; Dr. p. 962; Gaz. vol. 134; p. 1856.
- Skeins and their holders, Machine for making. J. G. Smith. No. 903,610; Nov. 10; Sp. p. 2162; Gaz. vol. 137; p. 383.
- Skeins, Apparatus for lustering. D. Ashley. No. 885,968; Apr. 28; Sp. p. 4749; Dr. pp. 997-8; Gaz. vol. 133; p. 2031.
- Skeip-cleaning apparatus. H. W. Hock. No. 896,638; Aug. 18; Sp. p. 3685; Dr. p. 791; Gaz. vol. 135; p. 1547.
- Sketching outfit. G. S. Smith. No. 897,794; Sept. 1; Sp. p. 1112; Dr. p. 239; Gaz. vol. 136; p. 178.
- Skewer. S. C. Reyer. No. 898,926; Sept. 15; Sp. p. 3343; Dr. p. 717; Gaz. vol. 136; p. 608.
- Skewer and bearing therefor. R. Schofield. No. 881,202; Mar. 10; Sp. p. 1404; Dr. p. 304; Gaz. vol. 133; p. 269.
- Skid, Adjustable. W. McCaddin and G. Sutherland. No. 907,519; Dec. 22; Sp. p. 4679; Gaz. vol. 137; p. 1854.
- Skid and truck. G. G. Connor. No. 877,758; Jan. 28; Sp. p. 4228; Dr. p. 917; Gaz. vol. 132; p. 776.
- Skid-holder. R. E. Oslin. No. 884,847; Apr. 14; Sp. p. 2438; Dr. p. 512; Gaz. vol. 133; p. 1607.
- Skidding device, Slack-pulling. J. A. Hausfelder. No. 876,874; Jan. 14; Sp. p. 2407; Dr. p. 524; Gaz. vol. 132; p. 425.
- Skidding, Protector against. C. Henke. No. 877,769; Jan. 28; Sp. p. 4247; Dr. p. 922; Gaz. vol. 132; p. 780.
- Skillet. E. A. Hudson. No. 905,318; Dec. 1; Sp. p. 364; Gaz. vol. 137; p. 1047.
- Skillet-support. H. C. Ebert. No. 901,326; Oct. 20; Sp. p. 2601; Dr. p. 535; Gaz. vol. 136; p. 1543.
- Skimmer. J. S. Golden. No. 899,724; Sept. 29; Sp. p. 4906; Dr. p. 1053; Gaz. vol. 136; p. 928.
- Skin-preserving covering. V. and L. von Alphenburg. No. 891,653; June 23; Sp. p. 5028; Dr. p. 1083; Gaz. vol. 134; p. 1951.
- Skins, Apparatus for washing sheep-. C. Dufour. No. 891,765; June 23; Sp. p. 5236; Dr. p. 1135; Gaz. vol. 134; p. 1988.
- Skins or hides from lime-pits or tan-pits, Machine for lifting. W. J. Frank. No. 887,242; May 12; Sp. p. 1799; Dr. pp. 378-9; Gaz. vol. 134; p. 324.
- Skinning device. J. F. Nicolas. No. 900,300; Oct. 6; Sp. p. 486; Dr. p. 101; Gaz. vol. 136; p. 1149.
- Skinning implement. A. W. Little. No. 901,016; Oct. 13; Sp. p. 2010; Dr. p. 408; Gaz. vol. 136; p. 1410.
- Skip-dump. J. Angove. No. 903,263; Nov. 10; Sp. p. 1463; Gaz. vol. 137; p. 270.
- Skip, Dumping. W. D. Lockwood. No. 902,423; Oct. 27; Sp. p. 4944; Dr. p. 998; Gaz. vol. 136; p. 1934.
- Skirt. B. Cohen and W. Epstein. No. 887,589; May 12; Sp. p. 2557; Dr. p. 539; Gaz. vol. 134; p. 441.
- Skirt. W. and S. Epstein. No. 887,610; May 12; Sp. p. 2592; Dr. p. 547; Gaz. vol. 134; p. 447.
- Skirt. A. M. Schneider. No. 898,511; Sept. 15; Sp. p. 2565; Dr. p. 549; Gaz. vol. 136; p. 474.
- Skirt. A. Kasse. No. 898,747; Sept. 15; Sp. p. 3019; Dr. p. 646; Gaz. vol. 133; p. 529.
- Skirt and waist hanger. C. W. Hewlett. No. 878,390; Feb. 4; Sp. p. 999; Dr. p. 201; Gaz. vol. 132; p. 1012.
- Skirt-holder. E. T. Neumann. No. 877,945; Feb. 4; Sp. p. 101; Dr. p. 23; Gaz. vol. 132; p. 866.
- Skirt-holder. H. H. West. No. 904,742; Nov. 24; Sp. p. 4541; Gaz. vol. 137; p. 820.
- Skirt-marker. I. H. Peck. No. 881,484; Mar. 10; Sp. p. 1984; Dr. p. 432; Gaz. vol. 133; p. 360.
- Skirt-marker. R. Sideman. No. 885,876; Apr. 28; Sp. p. 4540; Dr. pp. 952-3; Gaz. vol. 133; p. 1999.
- Skirt-marker. C. E. Campbell. No. 891,230; June 23; Sp. p. 4144; Dr. p. 907; Gaz. vol. 134; p. 1812.
- Skirt-marker. A. Gschwend and R. G. Cumber. No. 900,849; Oct. 13; Sp. p. 1660; Dr. p. 336; Gaz. vol. 136; p. 1356.
- Skirt-marker. A. M. Sutton. No. 901,496; Oct. 20; Sp. p. 3012; Dr. p. 615; Gaz. vol. 136; p. 1603.
- Skirt-marker. A. Waterman. No. 902,029; Oct. 27; Sp. p. 4115; Dr. p. 833; Gaz. vol. 136; p. 1800.
- Skirt-marker. M. B. Longnecker. No. 905,723; Dec. 1; Sp. p. 1203; Gaz. vol. 137; p. 1179.
- Skirt-placket. F. Canfield. No. 896,689; Aug. 18; Sp. p. 3793; Dr. p. 819; Gaz. vol. 135; p. 1562.
- Skirt-supporter. F. A. Raymond and F. Dettmann. No. 880,095; Feb. 25; Sp. p. 4552; Dr. p. 959; Gaz. vol. 132; p. 1674.
- Skirt-supporter. G. Gromer. No. 880,299; Feb. 25; Sp. p. 4974; Dr. p. 1050; Gaz. vol. 132; p. 1743.

Alphabetical list of inventions—Continued.

- Skirt-supporter. G. Wettlaufer. No. 883,264; Mar. 31; Sp. p. 5533; Dr. p. 1180; Gaz. vol. 133; p. 1033.
 Skirt-supporter. W. W. Schwotzer. No. 891,739; June 23; Sp. p. 5189; Dr. p. 1121; Gaz. vol. 134; p. 1979.
 Skirt-supporter. P. G. Giroud. No. 898,640; Sept. 15; Sp. p. 2830; Dr. p. 603; Gaz. vol. 136; p. 515.
 Skirt-supporter. N. C. Edwards. No. 901,327; Oct. 20; Sp. p. 2602; Dr. p. 535; Gaz. vol. 136; p. 1543.
 Skiving-machine. D. N. Robertson. No. 890,928; June 16; Sp. p. 3524; Dr. pp. 771-2; Gaz. vol. 134; p. 1681.
 Skiving-machine gage. M. Cavanagh. No. 876,772; Jan. 14; Sp. p. 2208; Dr. p. 485; Gaz. vol. 132; p. 392.
 Skylight. J. N. Grenier. No. 880,654; Mar. 3; Sp. p. 334; Dr. p. 73; Gaz. vol. 133; p. 59.
 Skylight. G. F. Drouvé. No. 892,434; June 30; Sp. p. 5790; Dr. pp. 1245-6; Gaz. vol. 134; p. 2108.
 Skylight and its sash-bars, Ventilating. H. E. Hersh. No. 884,154; Apr. 7; Sp. p. 1031; Dr. pp. 214-15; Gaz. vol. 133; p. 1350.
 Skylight frame-bar and frame construction. C. M. Servatius. No. 881,964; Mar. 17; Sp. p. 2963; Dr. p. 631; Gaz. vol. 133; p. 546.
 Skylights and similar constructions, Bar for. J. Leppla. No. 878,211; Feb. 4; Sp. p. 655; Dr. p. 134; Gaz. vol. 132; p. 952.
 Slack-adjuster. J. M. Hines and J. S. Barner. No. 890,277; June 9; Sp. p. 2204; Dr. p. 484; Gaz. vol. 134; p. 1436.
 Slack-adjuster. F. L. Clark. No. 896,972; Aug. 25; Sp. p. 4438; Dr. p. 948; Gaz. vol. 135; p. 1681.
 Slack-adjuster, Automatic. C. O. Anderson. No. 893,220; July 14; Sp. p. 1685; Dr. p. 356; Gaz. vol. 135; p. 304.
 Slag from tin-smelting furnaces, Treatment of. G. T. Holloway. No. 891,477; June 23; Sp. p. 4653; Gaz. vol. 134; p. 1894.
 Slag-granulating apparatus. I. C. Hoffman. No. 902,490; Oct. 27; Sp. p. 5083; Dr. p. 1030; Gaz. vol. 136; p. 1957.
 Slag-heated boiler. R. Baggaley. No. 898,302; Sept. 8; Sp. p. 2158; Dr. p. 458; Gaz. vol. 136; p. 373.
 Slag. Treating blast-furnace. F. W. Wood. No. 883,770; Apr. 7; Sp. p. 177; Dr. p. 32; Gaz. vol. 133; p. 1222.
 Slasher. A. E. Rhoades. No. 877,863; Jan. 28; Sp. p. 4416; Dr. p. 962; Gaz. vol. 132; p. 810.
 Slat-bottom. C. D. Brouyette. No. 893,566; July 14; Sp. p. 2421; Dr. p. 504; Gaz. vol. 135; p. 418.
 Slat-weaving machine. H. W. Carpenter. No. 877,904; Feb. 4; Sp. p. 14; Dr. pp. 3-4; Gaz. vol. 132; p. 851.
 Slat-weaving machine. H. W. Carpenter. No. 881,225; Mar. 10; Sp. p. 1463; Dr. p. 315; Gaz. vol. 133; p. 277.
 Slate, Making artificial. R. Kesler. No. 907,608; Dec. 22; Sp. p. 4878; Gaz. vol. 137; p. 1884.
 Slate-picker. W. J. Devers. No. 900,087; Oct. 6; Sp. p. 28; Dr. p. 5; Gaz. vol. 136; p. 1079.
 Slaughter-house killing-pen. A. R. Shaw. No. 904,089; Nov. 17; Sp. p. 3154; Gaz. vol. 137; p. 572.
 Sled. T. Mouradiak. No. 875,723; Jan. 7; Sp. p. 87; Dr. p. 18; Gaz. vol. 132; p. 19.
 Sled. T. B. Poindexter. No. 883,050; Mar. 24; Sp. p. 5080; Dr. p. 1084; Gaz. vol. 133; p. 932.
 Sled. W. J. Tolle. No. 883,258; Mar. 31; Sp. p. 5523; Dr. p. 1178; Gaz. vol. 133; p. 1031.
 Sled. N. Highland. No. 883,882; Apr. 7; Sp. p. 432; Dr. p. 85; Gaz. vol. 133; p. 1260.
 Sled. O. L. Beardsley. No. 907,217; Dec. 22; Sp. p. 4074; Gaz. vol. 137; p. 1752.
 Sled. S. Robb. No. 907,288; Dec. 22; Sp. p. 4231; Gaz. vol. 137; p. 1779.
 Sled and brake therefor, Bob-. E. G. Doland. No. 901,790; Oct. 20; Sp. p. 3628; Dr. p. 735; Gaz. vol. 136; p. 1699.
 Sled. Bob-. L. D. Jannell. No. 888,888; May 26; Sp. p. 5188; Dr. p. 1101; Gaz. vol. 134; p. 929.
 Sled-brake. T. Tonlinson. No. 892,695; July 7; Sp. p. 588; Dr. p. 127; Gaz. vol. 135; p. 103.
 Sled-knee. R. S. Wells. No. 901,135; Oct. 13; Sp. p. 2223; Dr. p. 452; Gaz. vol. 136; p. 1446.
 Sled-knuckle. O. Smith. No. 900,319; Oct. 6; Sp. p. 523; Dr. p. 110; Gaz. vol. 136; p. 1155.
 Sled, Logging-. R. G. Noyes. No. 881,708; Mar. 10; Sp. p. 2429; Dr. p. 523; Gaz. vol. 133; p. 432.
 Sled, Motor-. W. P. Eastwood. No. 881,388; Mar. 10; Sp. p. 1797; Dr. p. 388; Gaz. vol. 133; p. 330.
 Sled-propeller. D. J. Shultz. No. 891,870; June 30; Sp. p. 5477; Dr. p. 1183; Gaz. vol. 134; p. 2056.
 Sled-propeller. C. Kibat. No. 903,387; Nov. 10; Sp. p. 1694; Gaz. vol. 137; p. 310.
 Sled-runner. J. E. Johnson. No. 905,704; Dec. 1; Sp. p. 1172; Gaz. vol. 137; p. 1173.
 Sled-shoe. W. C. Abelson. No. 878,326; Feb. 4; Sp. p. 881; Dr. p. 178; Gaz. vol. 132; p. 990.
 Sleeper attachment for day-coaches. A. J. Shires. No. 876,887; Jan. 14; Sp. p. 2435; Dr. pp. 530-1; Gaz. vol. 132; p. 429.
 Sleeping-garment, Combination. A. G. Velasco. No. 904,383; Nov. 17; Sp. p. 3781; Gaz. vol. 137; p. 674.
 Sleet cutter and scraper. F. L. Dye. No. 887,077; May 12; Sp. p. 1478; Dr. p. 314; Gaz. vol. 134; p. 272.
 Sleeve-board. H. E. Kunkle. No. 898,228; Sept. 8; Sp. p. 2031; Dr. p. 431; Gaz. vol. 136; p. 350.
 Sleeve, Connecting branch. D. F. O'Brien. No. 875,729; Jan. 7; Sp. p. 100; Dr. p. 21; Gaz. vol. 132; p. 21.
 Sleeve-holder. M. Kuze. No. 894,670; July 28; Sp. p. 4774; Dr. p. 931; Gaz. vol. 135; p. 833.
 Sleeve-protector. P. J. Dahlinger. No. 889,210; June 2; Sp. p. 41; Dr. p. 11; Gaz. vol. 134; p. 1064.
 Sleigh. M. R. Rudolph. No. 880,185; Feb. 25; Sp. p. 4698; Dr. p. 990-1; Gaz. vol. 132; p. 1698.
 Sleigh. A. E. Taylor. No. 882,356; Mar. 17; Sp. p. 3736; Dr. p. 794; Gaz. vol. 133; p. 573.
 Sleigh. E. Ferriss. No. 901,604; Oct. 20; Sp. p. 3215; Dr. p. 659; Gaz. vol. 136; p. 1637.
 Sleigh. C. A. Wetmore. No. 902,458; Oct. 27; Sp. p. 5011; Dr. p. 1013; Gaz. vol. 137; p. 1945.
 Sleigh, Automobile. C. E. S. Birch. No. 903,540; Nov. 10; Sp. p. 2016; Gaz. vol. 137; p. 361.
 Sleigh, Cycle-. C. C. McCoy. No. 904,351; Nov. 17; Sp. p. 3732; Gaz. vol. 137; p. 664.
 Sleigh-knee. J. A. Bergren. No. 877,285; Jan. 21; Sp. p. 3296; Dr. p. 713; Gaz. vol. 132; p. 604.
 Sleigh-knee. A. H. Flint. No. 879,251; Feb. 18; Sp. p. 2781; Dr. p. 583; Gaz. vol. 132; p. 1366.
 Sleigh-knee. J. A. Heintz. No. 885,168; May 19; Sp. p. 3693; Dr. p. 770; Gaz. vol. 134; p. 659.
 Sleigh, Motor-. C. A. Hanson. No. 883,617; Apr. 21; Sp. p. 3992; Dr. pp. 634-5; Gaz. vol. 133; p. 1883.
 Sleigh, Motor-propelled. M. Trunt. No. 905,251; Dec. 1; Sp. p. 251; Gaz. vol. 137; p. 1026.
 Sleigh-runner, Attachable. J. E. Hobbs. No. 901,342; Oct. 20; Sp. p. 2633; Dr. p. 541; Gaz. vol. 136; p. 1549.
 Sleigh-runner attachment for vehicles. F. Korff. No. 901,937; Oct. 13; Sp. p. 1852; Dr. p. 377; Gaz. vol. 136; p. 1383.
 Sleigh-runner, Detachable. B. White. No. 886,563; Apr. 5; Sp. p. 434; Dr. p. 93; Gaz. vol. 134; p. 80.
 Sleigh-runner, Temporary. J. B. Crane. No. 905,661; Dec. 1; Sp. p. 1091; Gaz. vol. 137; p. 1159.
 Sleigh, Self-propelled. C. E. Tetreault. No. 902,345; Oct. 27; Sp. p. 4775; Dr. pp. 963-4; Gaz. vol. 136; p. 1909.
 Sleighs, Bolster-stake for. W. R. Kottger. No. 890,098; June 9; Sp. p. 1802; Dr. p. 399; Gaz. vol. 134; p. 1378.
 Sleighs. E. F. Smith. No. 892,192; June 30; Sp. p. 6097; Dr. pp. 1310-11; Gaz. vol. 134; p. 2160.
 Slicer. E. F. Smith. No. 896,862; Aug. 25; Sp. p. 4175; Dr. p. 894; Gaz. vol. 135; p. 1645.
 Slicer and cutter, Vegetable and fruit. J. A. Chidress. No. 895,161; Aug. 4; Sp. p. 765; Dr. p. 160; Gaz. vol. 135; p. 1021.
 Slicer, Bread. A. Englund. No. 899,962; Sept. 29; Sp. p. 5425; Dr. p. 1157; Gaz. vol. 136; p. 1007.
 Slicer, Bread and meat. D. H. Mosteller. No. 885,274; Apr. 21; Sp. p. 3310; Dr. p. 691; Gaz. vol. 133; p. 1776.
 Slicer, Bread and vegetable. W. Hazzard. No. 890,645; June 16; Sp. p. 2948; Dr. p. 645; Gaz. vol. 134; p. 1589.
 Slicer, Fruit. M. B. Jolly. No. 878,803; Feb. 11; Sp. p. 1924; Dr. p. 397; Gaz. vol. 132; p. 1182.
 Slicer, Potato-. D. E. Poche. No. 894,694; July 28; Sp. p. 4820; Dr. p. 1000; Gaz. vol. 135; p. 841.
 Slicer, Vegetable-. F. Scharf. No. 878,676; Feb. 11; Sp. p. 1674; Dr. p. 345; Gaz. vol. 132; p. 1141.
 Slicer, Vegetable-. C. E. Wagner. No. 895,216; Aug. 4; Sp. p. 885; Dr. p. 185; Gaz. vol. 135; p. 1042.
 Slicing-machine. I. Heller. No. 894,823; Aug. 4; Sp. p. 59; Dr. p. 12; Gaz. vol. 135; p. 910.
 Slicing-machine. W. A. Berkell. No. 895,213; Aug. 4; Sp. p. 881; Dr. p. 184; Gaz. vol. 135; p. 1041.
 Slicing-machine. W. M. Miller. No. 904,549; Nov. 24; Sp. p. 4142; Gaz. vol. 137; p. 755.
 Slicing machine, Butter-. M. Leen. No. 900,107; Oct. 6; Sp. p. 70; Dr. p. 13; Gaz. vol. 136; p. 1086.
 Slicing machine, Meat-. H. Broome. No. 884,893; Apr. 14; Sp. p. 2499; Dr. p. 528; Gaz. vol. 133; p. 1619.
 Slicing machine, Meat-. W. A. Van Berkel. No. 901,855; Oct. 20; Sp. p. 3741; Dr. pp. 760-1; Gaz. vol. 136; p. 1719.
 Slicing machine, Vegetable-. J. J. Vavruska. No. 878,436; Feb. 4; Sp. p. 1084; Dr. p. 221; Gaz. vol. 132; p. 1027.
 Slicing mechanism. R. H. Little. No. 889,938; June 9; Sp. p. 1470; Dr. p. 333; Gaz. vol. 134; p. 1323.
 Slicing or cutting machine, Vegetable. H. E. Madden. No. 897,637; Sept. 1; Sp. p. 804; Dr. p. 169; Gaz. vol. 136; p. 128.
 Slide-frame construction. O. S. Pulliam. No. 886,071; Apr. 28; Sp. p. 4957; Dr. p. 1042; Gaz. vol. 133; p. 2063.
 Sliding gate. A. J. Russell and W. B. Terry. No. 885,085; Apr. 21; Sp. p. 2890; Dr. p. 613; Gaz. vol. 133; p. 1713.
 Sliding jack. L. S. Page. No. 900,419; Oct. 6; Sp. p. 728; Dr. p. 152; Gaz. vol. 136; p. 1188.
 Slime-separator, Centrifugal. J. T. Lindahl. No. 884,830; Apr. 14; Sp. p. 2381; Dr. p. 501; Gaz. vol. 133; p. 1601.
 Slimes-filter apparatus. E. M. Clark. No. 877,631; Jan. 28; Sp. p. 3997; Dr. p. 804; Gaz. vol. 132; p. 737.
 Slimes-separator. H. G. Nichols. No. 899,428; Sept. 22; Sp. p. 4298; Dr. p. 922; Gaz. vol. 136; p. 797.
 Slimes, Treating. C. Butters. No. 879,080; Feb. 11; Sp. p. 2427; Dr. p. 508; Gaz. vol. 132; p. 1268.
 Slimes treatment. C. E. D. Usher. No. 886,900; May 5; Sp. p. 1135; Dr. p. 238; Gaz. vol. 134; p. 185.
 Slip-box. L. Cain. No. 899,510; Sept. 29; Sp. p. 4469; Dr. p. 959; Gaz. vol. 136; p. 800.
 Slip-clip. S. W. Reynolds. No. 875,670; Feb. 11; Sp. p. 1603; Dr. p. 342; Gaz. vol. 132; p. 1139.
 Slipper attachment. K. A. McIntire. No. 884,520; Apr. 14; Sp. p. 1725; Dr. p. 370; Gaz. vol. 133; p. 1496.
 Slipper, Folding. E. A. Jennings. No. 905,437; Dec. 1; Sp. p. 648; Gaz. vol. 137; p. 1087.
 Slipper or pail. C. J. Kirch. No. 890,517; June 9; Sp. p. 2651; Dr. p. 580; Gaz. vol. 134; p. 1513.
 Slotting-machine. W. Favreau. No. 881,064; Mar. 3; Sp. p. 1140; Dr. pp. 240-7; Gaz. vol. 133; p. 194.
 Slotting-machine. D. C. Griggs and R. H. Smith. No. 884,480; Apr. 14; Sp. p. 1654; Dr. pp. 355-6; Gaz. vol. 133; p. 1486.
 Slough-filler. S. P. Marsh and N. Timson. No. 876,467; Jan. 14; Sp. p. 1576; Dr. pp. 338-9; Gaz. vol. 132; p. 289.
 Slubber or fly-frame. R. B. Daly. No. 895,541; Aug. 11; Sp. p. 1538; Dr. p. 325; Gaz. vol. 135; p. 1172.

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- Slubbing, reducing, and roving frames and like spinning and twisting machines, Combination guide and alarm for. J. Lumb. No. 878,300; Feb. 4; Sp. p. 837; Dr. p. 167; Gaz. vol. 132; p. 983.
- Slug-operated machines, Slot-protector for. H. K. Sandell. No. 907,531; Dec. 22; Sp. p. 4700; Gaz. vol. 137; p. 1858.
- Slug, Protective. S. D. Leland. No. 889,383; June 2; Sp. p. 386; Dr. p. 91; Gaz. vol. 134; p. 1119.
- Sluice. A. A. Cummings and D. S. Dempsey. No. 905,290; Dec. 1; Sp. p. 318; Gaz. vol. 137; p. 1038.
- Sluice-box. N. Quigley. No. 893,368; July 14; Sp. p. 1964; Dr. p. 412; Gaz. vol. 135; p. 353.
- Slurry and like mill. E. J. Clarke. No. 902,557; Nov. 3; Sp. p. 46; Gaz. vol. 137; p. 8.
- Small-arm, Drop-down. W. Baker. No. 881,046; Mar. 3; Sp. p. 1105; Dr. pp. 239-40; Gaz. vol. 133; p. 189.
- Small-arm, Recoil-loading. P. Mauser. No. 903,998; Nov. 17; Sp. p. 2964; Gaz. vol. 137; p. 542.
- Small-arms, Drop-down. W. Baker. No. 879,025; Feb. 11; Sp. p. 2325; Dr. p. 487; Gaz. vol. 132; p. 1251.
- Small-arms, Safety locking device for. J. Tambour. No. 891,748; June 23; Sp. p. 5207; Dr. p. 1126; Gaz. vol. 134; p. 1983.
- Smelting. J. H. Boyd. No. 894,111; July 21; Sp. p. 3610; Dr. p. 744; Gaz. vol. 135; p. 629.
- Smelting. A. R. McKenzie. No. 897,993; Sept. 8; Sp. p. 1560; Dr. p. 332; Gaz. vol. 136; p. 277.
- Smelting converter and hearth. R. Baggeley, C. M. Allen, and E. W. Lindquist. No. 886,030; Apr. 28; Sp. p. 4876; Dr. pp. 1027-8; Gaz. vol. 133; p. 2050.
- Smelting copper ores. G. H. Benjamin. No. 900,346; Oct. 6; Sp. p. 575; Dr. p. 119; Gaz. vol. 136; p. 1163.
- Smelting-furnace. E. A. A. Grönwall. No. 891,248; June 23; Sp. p. 4175; Dr. p. 914; Gaz. vol. 134; p. 1817.
- Smelting-furnace. W. J. Holzapfel. No. 891,256; June 23; Sp. p. 4189; Dr. p. 917; Gaz. vol. 134; p. 1820.
- Smelting-furnace. J. S. Loder. No. 891,349; June 23; Sp. p. 4391; Dr. pp. 955-6; Gaz. vol. 134; p. 1851.
- Smelting-furnace. G. A. Wettengel. No. 901,405; Oct. 20; Sp. p. 2797; Dr. p. 570; Gaz. vol. 136; p. 1572.
- Smelting-furnace, Electrical. K. A. F. Hiorth. No. 883,311; Mar. 31; Sp. p. 5629; Dr. p. 1200; Gaz. vol. 133; p. 1048.
- Smelting-furnace for copper and other ores. H. H. Freeman. No. 879,623; Feb. 18; Sp. p. 3574; Dr. p. 748; Gaz. vol. 132; p. 1487.
- Smelting furnace, Ore-. J. T. Jones. No. 890,232; June 9; Sp. p. 2086; Dr. pp. 457-8; Gaz. vol. 134; p. 1422.
- Smelting-furnace, Reverberatory. A. D. Lee. No. 888,624; May 26; Sp. p. 4615; Dr. p. 979; Gaz. vol. 134; p. 843.
- Smelting-furnace with oil fire. A. Koch. No. 876,275; Jan. 7; Sp. p. 1153; Dr. pp. 250-1; Gaz. vol. 132; p. 194.
- Smelting iron. M. Ruthenburg. No. 898,068; Sept. 8; Sp. p. 1714; Gaz. vol. 136; p. 300.
- Smelting iron ores. E. D. Kendall. No. 894,796; July 28; Sp. p. 4999; Gaz. vol. 135; p. 872.
- Smelting ore. A. Steinbarg. No. 887,974; May 19; Sp. p. 3323; Dr. pp. 698-9; Gaz. vol. 134; p. 599.
- Smelting ores. F. L. McGahan. No. 891,680; June 23; Sp. p. 4966; Dr. pp. 1071-2; Gaz. vol. 134; p. 1943.
- Smelting ores. R. Baggeley. No. 900,466; Oct. 6; Sp. p. 849; Dr. pp. 172-3; Gaz. vol. 136; p. 1203.
- Smelting sulfid ores. J. T. Carrick and S. Pattison. No. 882,234; Mar. 17; Sp. p. 3499; Gaz. vol. 133; p. 631.
- Smoke and dust collector. W. F. Diem. No. 904,941; Nov. 24; Sp. p. 4973; Gaz. vol. 137; p. 887.
- Smoke and soot arrester for stacks. J. F. Miles. No. 887,004; May 5; Sp. p. 1322; Dr. p. 279; Gaz. vol. 134; p. 219.
- Smoke and the like, Automatic apparatus for detecting. H. Darwin. No. 878,456; Feb. 4; Sp. p. 1122; Dr. p. 230; Gaz. vol. 132; p. 1033.
- Smoke-bell. G. A. Milholland. No. 896,564; Aug. 18; Sp. p. 3553; Dr. p. 763; Gaz. vol. 135; p. 1524.
- Smoke-cleaning device. J. L. Matthews. No. 899,882; Sept. 29; Sp. p. 5256; Dr. p. 1124; Gaz. vol. 136; p. 982.
- Smoke cleaning or washing apparatus. J. Black and A. H. and H. Lennox. No. 904,301; Nov. 17; Sp. p. 3633; Gaz. vol. 137; p. 647.
- Smoke-condenser. B. P. Hockman. No. 906,423; Dec. 8; Sp. p. 2538; Gaz. vol. 137; p. 1437.
- Smoke-consumer. M. V. Moran and J. S. Donohue. No. 882,767; Mar. 24; Sp. p. 4522; Dr. p. 965; Gaz. vol. 133; p. 840.
- Smoke-consumer. H. P. Bradbury. No. 885,579; Apr. 21; Sp. p. 3929; Dr. p. 820; Gaz. vol. 133; p. 1871.
- Smoke-consumer. J. Ryan. No. 896,250; Aug. 18; Sp. p. 2913; Dr. p. 627; Gaz. vol. 135; p. 1423.
- Smoke-consumer. R. R. Shipley. No. 889,641; June 2; Sp. p. 880; Dr. pp. 201-2; Gaz. vol. 134; p. 1202.
- Smoke-consumer. P. A. C. Nygaard and J. H. Warren. No. 893,864; July 21; Sp. p. 3106; Dr. p. 636; Gaz. vol. 135; p. 547.
- Smoke-consumer. W. M. Grant. No. 901,291; Oct. 13; Sp. p. 2525; Dr. p. 519; Gaz. vol. 136; p. 1497.
- Smoke-consumer. C. H. Triggs. No. 906,967; Dec. 15; Sp. p. 3568; Gaz. vol. 137; p. 1635.
- Smoke-consumer. A. P. Gibson and G. Smith. No. 907,490; Dec. 22; Sp. p. 4633; Gaz. vol. 137; p. 1846.
- Smoke-consumer and artificial draft. A. H. Ford. No. 879,453; Feb. 18; Sp. p. 3217; Dr. p. 668; Gaz. vol. 132; p. 1432.
- Smoke-consumer for boiler-furnaces. J. D. Nix. No. 884,945; Apr. 14; Sp. p. 2610; Dr. p. 551; Gaz. vol. 133; p. 1634.
- Smoke-consuming apparatus. F. M. Reed. No. 889,806; June 2; Sp. p. 1195; Dr. pp. 276-7; Gaz. vol. 134; p. 1253.
- Smoke-consuming furnace. J. B. Harris. No. 880,380; Feb. 25; Sp. p. 5122; Dr. pp. 1081-2; Gaz. vol. 132; p. 1768.
- Smoke-consuming furnace. P. Rielly. No. 883,828; Apr. 7; Sp. p. 315; Dr. p. 59; Gaz. vol. 133; p. 1242.
- Smoke-consuming furnace. A. Sichert. No. 885,300; Apr. 21; Sp. p. 3359; Dr. p. 703; Gaz. vol. 133; p. 1784.
- Smoke-consuming furnace. C. Phelps. No. 885,950; Apr. 28; Sp. p. 4711; Dr. p. 900; Gaz. vol. 133; p. 2024.
- Smoke-consuming furnace. H. A. Jackson and F. W. Roberts. No. 905,321; Dec. 1; Sp. p. 368; Gaz. vol. 137; p. 1047.
- Smoke-consuming furnace, Hot-air. F. Fisher. No. 889,846; June 2; Sp. p. 1273; Dr. p. 293; Gaz. vol. 134; p. 1266.
- Smoke-conveyer for railway-trains. R. L. Rhodes. No. 884,342; Apr. 7; Sp. p. 1350; Dr. p. 289; Gaz. vol. 133; p. 1409.
- Smoke-filtering attachment for pipes, &c. C. W. Rowe. No. 882,913; Mar. 24; Sp. p. 4826; Dr. p. 1024; Gaz. vol. 133; p. 888.
- Smoke-house. E. T. Malloy. No. 882,787; Mar. 24; Sp. p. 4552; Dr. p. 972; Gaz. vol. 133; p. 846.
- Smoke-jack. R. Harcourt. No. 899,667; Sept. 29; Sp. p. 4796; Dr. p. 1027; Gaz. vol. 136; p. 911.
- Smoke or gas cleaning or washing apparatus. J. Black and A. H. and H. Lennox. No. 903,832; Nov. 17; Sp. p. 2612; Gaz. vol. 137; p. 485.
- Smoke-pipe. A. R. Haatvedt. No. 903,710; Nov. 10; Sp. p. 2352; Gaz. vol. 137; p. 413.
- Smoke-preventing compound. F. E. Jacobs. No. 902,734; Nov. 3; Sp. p. 402; Gaz. vol. 137; p. 69.
- Smoke-preventing furnace. S. L. Sheerman. No. 891,298; June 23; Sp. p. 4277; Dr. p. 955; Gaz. vol. 134; p. 1834.
- Smoke-preventing furnace. A. W. Puddington. No. 891,635; June 23; Sp. p. 4981; Dr. p. 1074; Gaz. vol. 134; p. 1945.
- Smoke-preventing furnace. A. W. Puddington. No. 896,411; Aug. 18; Sp. p. 3254; Dr. p. 697; Gaz. vol. 135; p. 1474.
- Smoke-purifier. G. Morby. No. 880,747; Mar. 3; Sp. p. 527; Dr. pp. 109-10; Gaz. vol. 133; p. 91.
- Smoke-purifier and fume-arrester. T. E. Lambert. No. 889,694; June 2; Sp. p. 998; Dr. p. 30; Gaz. vol. 134; p. 1218.
- Smoke purifying and consuming apparatus. W. Cyr. No. 896,805; Aug. 25; Sp. p. 4059; Dr. p. 873; Gaz. vol. 135; p. 1626.
- Smoke-siphon. R. W. Kilpatrick. No. 892,527; July 7; Sp. p. 267; Dr. p. 57; Gaz. vol. 135; p. 50.
- Smoker's appliance. C. West. No. 890,741; June 16; Sp. p. 3157; Dr. p. 692; Gaz. vol. 134; p. 1620.
- Smoker's stand. J. H. Astruck. No. 905,627; Dec. 1; Sp. p. 1031; Gaz. vol. 137; p. 1149.
- Smoking-pipe. H. K. Saddler. No. 879,677; Feb. 18; Sp. p. 3685; Dr. p. 771; Gaz. vol. 132; p. 1505.
- Smoking-pipe. H. Maas. No. 889,534; June 2; Sp. p. 691; Dr. p. 158; Gaz. vol. 134; p. 1167.
- Smoking-pipe. W. O. Campbell. No. 900,482; Oct. 6; Sp. p. 873; Dr. p. 178; Gaz. vol. 136; p. 1208.
- Smoking-pipe. W. R. Kaufman. No. 901,915; Oct. 20; Sp. p. 3849; Dr. p. 785; Gaz. vol. 136; p. 1738.
- Smoking-pipe. G. W. Clapp. No. 904,309; Nov. 17; Sp. p. 3649; Gaz. vol. 137; p. 650.
- Smoking-tube. C. H. Rotsch. No. 892,555; July 7; Sp. p. 312; Dr. p. 68; Gaz. vol. 135; p. 59.
- Smokeless furnace. C. J. Oberg. No. 885,779; Apr. 28; Sp. p. 4341; Dr. pp. 910-11; Gaz. vol. 133; p. 1965.
- Smut-machine. O. L. Larson. No. 883,815; Apr. 7; Sp. p. 283; Dr. p. 52; Gaz. vol. 133; p. 1238.
- Smut-machine. R. M. Holland. No. 902,658; Nov. 3; Sp. p. 245; Gaz. vol. 137; p. 42.
- Smut-machine attachment. E. Rinderman. No. 897,785; Sept. 1; Sp. p. 1098; Dr. p. 236; Gaz. vol. 136; p. 176.
- Snap-bench, Portable. W. G. Stockham. No. 890,311; June 9; Sp. p. 2273; Dr. p. 501; Gaz. vol. 134; p. 1448.
- Snap-fastener. G. A. Holmes. No. 875,816; Jan. 7; Sp. p. 263; Dr. p. 57; Gaz. vol. 132; p. 49.
- Snap-fastener. W. S. Richardson. No. 890,573; Mar. 3; Sp. p. 176; Dr. p. 38; Gaz. vol. 133; p. 32.
- Snap-fastener. J. M. Adams. No. 885,419; Apr. 21; Sp. p. 3609; Dr. p. 756; Gaz. vol. 133; p. 1823.
- Snap-fastener. G. A. Holmes. No. 886,808; May 5; Sp. p. 974; Dr. p. 204; Gaz. vol. 134; p. 159.
- Snap-fastener. G. A. Holmes. No. 888,401; May 19; Sp. p. 4125; Dr. p. 870; Gaz. vol. 134; p. 734.
- Snap-fastener. G. A. Holmes. No. 894,270; July 28; Sp. p. 3973; Dr. p. 819; Gaz. vol. 135; p. 701.
- Snap-fastener. W. B. H. Dowse. No. 904,517; Nov. 24; Sp. p. 4084; Gaz. vol. 137; p. 745.
- Snap-fastener socket. E. D. Simons. No. 900,789; Oct. 13; Sp. p. 1531; Dr. p. 311; Gaz. vol. 136; p. 1335.
- Snap-hook. W. C. Stiles. No. 885,883; Apr. 28; Sp. p. 4553; Dr. p. 955; Gaz. vol. 133; p. 2001.
- Snap-hook. M. Pike. No. 895,190; Aug. 4; Sp. p. 825; Dr. p. 173; Gaz. vol. 135; p. 1032.
- Snap-hook. J. F. Lyman. No. 895,279; Aug. 4; Sp. p. 1028; Dr. p. 215; Gaz. vol. 135; p. 1063.
- Snap-hook. J. B. Calvert. No. 896,084; Aug. 18; Sp. p. 2609; Dr. p. 566; Gaz. vol. 135; p. 1370.
- Snap-hook. W. A. Schleicher. No. 898,789; Sept. 15; Sp. p. 3099; Dr. p. 604; Gaz. vol. 136; p. 563.
- Snap-hook and buckle, Combined. J. W. Hutchison. No. 889,013; May 26; Sp. p. 5420; Dr. p. 1152; Gaz. vol. 134; p. 968.
- Snap-hook, Breast-strap. J. B. Baxter. No. 890,955; June 16; Sp. p. 3606; Dr. p. 755; Gaz. vol. 134; p. 1690.
- Snap-hook, Breaching. F. W. Covert. No. 891,408; June 23; Sp. p. 4513; Dr. p. 982; Gaz. vol. 134; p. 1871.
- Snap-hook, Spring-tongue. J. C. Covert. No. 893,448; July 14; Sp. p. 2140; Dr. p. 449; Gaz. vol. 135; p. 380.
- Snap-switch. W. M. Scott and J. H. Wyatt. No. 882,848; Mar. 24; Sp. p. 4692; Dr. p. 998; Gaz. vol. 133; p. 867.
- Snap-switch. F. S. Capello. No. 905,792; Dec. 1; Sp. p. 1338; Gaz. vol. 137; p. 1203.
- Snap-switch. J. G. Peterson. No. 906,738; Dec. 15; Sp. p. 3136; Gaz. vol. 137; p. 1564.
- Snap-switch, Rotary. H. C. Williamson. No. 893,688; July 21; Sp. p. 2656; Dr. p. 558; Gaz. vol. 135; p. 488.

Alphabetical list of inventions—Continued.

- Snap-switch, Rotary. G. W. Goodridge and G. B. Thomas. No. 903,705; Nov. 10; Sp. p. 2344; Gaz. vol. 137; p. 412.
- Snap-switch, Rotary. C. A. Clark. No. 906,386; Dec. 8; Sp. p. 2475; Gaz. vol. 137; p. 1425.
- Snatch-block. C. M. Talmadge and P. M. Veibell. No. 900,894; Oct. 13; Sp. p. 1754; Dr. p. 355; Gaz. vol. 136; p. 1369.
- Snow and ice, Means for keeping switches clear from. F. G. Shaw. No. 878,566; Feb. 11; Sp. p. 1440; Dr. p. 294; Gaz. vol. 132; p. 1104.
- Snow and ice scraper. W. Cross. No. 907,317; Dec. 22; Sp. p. 4277; Gaz. vol. 137; p. 1788.
- Snow gathering and transporting machine. W. A. Warman. No. 882,132; Mar. 17; Sp. p. 3291; Dr. p. 702; Gaz. vol. 133; p. 600.
- Snow-guard. H. H. Hestand. No. 907,355; Dec. 22; Sp. p. 4340; Gaz. vol. 137; p. 1800.
- Snow-melting apparatus. S. Denemark. No. 897,601; Sept. 1; Sp. p. 741; Dr. pp. 156-7; Gaz. vol. 136; p. 117.
- Snow-melting machine. A. S. Emerson. No. 888,979; May 26; Sp. p. 5363; Dr. p. 1138; Gaz. vol. 134; p. 957.
- Snow-plow. A. Darling. No. 889,211; June 2; Sp. p. 42; Dr. p. 11; Gaz. vol. 134; p. 1064.
- Snow-plow. A. S. Cerkez. No. 895,002; Aug. 4; Sp. p. 461; Dr. pp. 93-4; Gaz. vol. 135; p. 969.
- Snow-plow coupling device. J. W. Russell. No. 888,536; May 26; Sp. p. 4410; Dr. pp. 935-6; Gaz. vol. 134; p. 810.
- Snow-plow, Rotary. J. F. Murphy. No. 899,606; Sept. 29; Sp. p. 4074; Dr. p. 1002; Gaz. vol. 136; p. 892.
- Snow-storm, Device for producing the representation of a. E. C. Bruen. No. 901,319; Oct. 20; Sp. p. 2583; Dr. p. 532; Gaz. vol. 136; p. 1540.
- Soaking-pit. P. Schmidt and A. Desgraz. No. 903,510; Nov. 10; Sp. p. 1955; Gaz. vol. 137; p. 351.
- Soap-anchor. G. W. Gaines. No. 886,791; May 5; Sp. p. 946; Dr. p. 197; Gaz. vol. 134; p. 154.
- Soap and making soap. C. Ellis. No. 904,520; Nov. 24; Sp. p. 4088; Gaz. vol. 137; p. 746.
- Soap and producing the same, Liquid. E. Lendrich. No. 895,477; Aug. 11; Sp. p. 1414; Gaz. vol. 135; p. 1151.
- Soap cake. A. F. Conery, Jr. No. 875,985; Jan. 7; Sp. p. 587; Dr. p. 126; Gaz. vol. 132; p. 102.
- Soap cake, Shaving. L. C. Benitz. No. 906,371; Dec. 8; Sp. p. 2456; Gaz. vol. 137; p. 1422.
- Soap chiller and drier. A. Huber and E. A. Houchin. No. 898,111; Sept. 8; Sp. p. 1796; Dr. pp. 381-2; Gaz. vol. 136; p. 314.
- Soap composition. J. Sierra V. No. 901,204; Oct. 13; Sp. p. 2345; Gaz. vol. 136; p. 1469.
- Soap, Cooling. F. Jürgens. No. 896,551; Aug. 18; Sp. p. 3537; Dr. p. 760; Gaz. vol. 135; p. 1520.
- Soap-dispenser. H. J. S. Lewis. No. 879,780; Feb. 18; Sp. p. 3875; Dr. p. 812; Gaz. vol. 132; p. 1538.
- Soap-dispenser. F. M. Stevens. No. 899,812; Sept. 29; Sp. p. 5114; Dr. p. 1094; Gaz. vol. 136; p. 960.
- Soap dispenser, Liquid-. G. A. Schmidt. No. 878,750; Feb. 11; Sp. p. 1812; Dr. p. 375; Gaz. vol. 132; p. 1165.
- Soap-distributor for toilet use. J. W. Hoffman and C. G. Munson. No. 889,306; June 2; Sp. p. 223; Dr. pp. 55-6; Gaz. vol. 134; p. 1094.
- Soap-distributing machine. H. Robinson. No. 896,759; Aug. 25; Sp. p. 3648; Dr. p. 851; Gaz. vol. 135; p. 1609.
- Soap-holder. L. E. Travis. No. 890,199; June 9; Sp. p. 2017; Dr. p. 444; Gaz. vol. 134; p. 1412.
- Soap-holder. A. T. Waters. No. 897,690; Sept. 1; Sp. p. 905; Dr. p. 194; Gaz. vol. 136; p. 146.
- Soap-holder. P. H. Jungclaus. No. 898,897; Sept. 15; Sp. p. 3298; Dr. p. 705; Gaz. vol. 136; p. 598.
- Soap-holder, Adjustable. G. Goff. No. 898,872; Sept. 15; Sp. p. 3251; Dr. p. 695; Gaz. vol. 136; p. 591.
- Soap-holder, Safety. P. P. Royal. No. 894,700; July 28; Sp. p. 4829; Dr. p. 1004; Gaz. vol. 135; p. 843.
- Soap, Manufacture of floating. A. Stöhr. No. 883,360; Mar. 31; Sp. p. 5722; Gaz. vol. 133; p. 1063.
- Soap materials to powder, Apparatus for reducing. W. B. Allbright. No. 885,708; Apr. 28; Sp. p. 4193; Dr. p. 877; Gaz. vol. 133; p. 1943.
- Soap-molding machine. F. Jürgens. No. 879,968; Feb. 25; Sp. p. 4306; Dr. p. 901; Gaz. vol. 132; p. 1634.
- Soap-partitioning table. E. F. Pülen. No. 894,461; July 28; Sp. p. 4363; Dr. p. 900; Gaz. vol. 135; p. 765.
- Soap powder, Production of. W. Lüring. No. 890,078; June 9; Sp. p. 1768; Dr. p. 391; Gaz. vol. 134; p. 1371.
- Soap-powdering machine. W. Tillson. No. 900,967; Oct. 13; Sp. p. 1915; Dr. p. 389; Gaz. vol. 136; p. 1393.
- Soap-shaver. J. H. Williams. No. 888,287; May 19; Sp. p. 3914; Dr. p. 824; Gaz. vol. 134; p. 699.
- Socket-cap. W. S. Stapley. No. 884,624; Apr. 14; Sp. p. 1931; Dr. p. 415; Gaz. vol. 133; p. 1530.
- Socket-key clamp. M. Loewenthal. No. 875,830; Jan. 7; Sp. p. 286; Dr. p. 62; Gaz. vol. 132; p. 53.
- Socket-shell. H. Hubbell. No. 876,552; Jan. 14; Sp. p. 1762; Dr. p. 383; Gaz. vol. 132; p. 319.
- Socket-shell-cap fastening. H. Hubbell. No. 878,634; Feb. 11; Sp. p. 1601; Dr. p. 327; Gaz. vol. 132; p. 1128.
- Socket-shell, canisters, &c., Means for locking caps to. A. C. Gaynor. No. 876,630; Jan. 14; Sp. p. 1953; Dr. p. 425; Gaz. vol. 132; p. 347.
- Socket-wrench, Adjustable. E. C. Nagel. No. 900,766; Oct. 13; Sp. p. 1472; Dr. p. 300; Gaz. vol. 136; p. 1327.
- Sod cutting and removing device. J. A. Musgrove, Jr. No. 887,009; May 5; Sp. p. 1333; Dr. p. 282; Gaz. vol. 134; p. 221.
- Sod-trimmer. R. E. Poindexter. No. 884,416; Apr. 14; Sp. p. 1507; Dr. p. 324; Gaz. vol. 133; p. 1464.
- Soda-fountain. H. K. Smith. No. 886,881; May 5; Sp. p. 1097; Dr. p. 230; Gaz. vol. 134; p. 180.
- Soda-fountain. H. K. Smith. No. 886,882; May 5; Sp. p. 1100; Dr. pp. 230-1; Gaz. vol. 134; p. 181.
- Soda-fountain. W. A. Sexton. No. 887,969; May 19; Sp. p. 3314; Dr. pp. 696-7; Gaz. vol. 134; p. 597.
- Soda-fountain. C. F. Kurz. No. 890,912; June 16; Sp. p. 3489; Dr. p. 765; Gaz. vol. 134; p. 1675.
- Soda-water fountain. L. G. Green. No. 878,379; Feb. 4; Sp. p. 984; Dr. pp. 198-9; Gaz. vol. 132; p. 1009.
- Soda-water fountain. B. Spinelli. No. 897,170; Aug. 25; Sp. p. 4826; Dr. p. 1027; Gaz. vol. 135; p. 1746.
- Sodium arylamines, Manufacture of. O. Liebknecht. No. 903,588; Nov. 10; Sp. p. 2121; Gaz. vol. 137; p. 376.
- Sodium formaldehyde sulfoxylate. B. R. Seifert and O. W. Meves. No. 887,050; May 5; Sp. p. 1408; Gaz. vol. 134; p. 234.
- Sodium hydrosulfid, Producing. W. Hasenbach. No. 903,136; Nov. 3; Sp. p. 1200; Gaz. vol. 137; p. 196.
- Sodium borate containing borax and producing same. F. Fritsche. No. 903,967; Nov. 17; Sp. p. 2911; Gaz. vol. 137; p. 533.
- Sodium thiosulfate, Making. W. Hasenbach. No. 903,135; Nov. 3; Sp. p. 1199; Gaz. vol. 137; p. 196.
- Sofa or settee and pool or billiard table, Combined. J. N. McIntire. No. 878,555; Feb. 11; Sp. p. 1417; Dr. p. 290; Gaz. vol. 132; p. 1101.
- Soil, &c., Apparatus for treating night-. E. T. Welcome. No. 889,418; June 2; Sp. p. 457; Dr. p. 109; Gaz. vol. 134; p. 1131.
- Soil, Treating the. P. Diaz, Hijo. No. 901,078; Oct. 13; Sp. p. 2121; Dr. p. 432; Gaz. vol. 136; p. 1429.
- Solder-carrying can-cap. J. J. Rigby. No. 908,140; Dec. 29; Sp. p. 6004; Gaz. vol. 137; p. 2088.
- Solder-feeding mechanism. H. K. Smith. No. 894,236; July 28; Sp. p. 3889; Dr. pp. 803-4; Gaz. vol. 135; p. 689.
- Solder for aluminum and other metals. C. G. Carroll and W. H. Adams. No. 906,383; Dec. 8; Sp. p. 2472; Gaz. vol. 137; p. 1425.
- Solder-hemmed caps, Making. E. M. Lang, Jr. No. 905,891; Dec. 8; Sp. p. 1536; Gaz. vol. 137; p. 1266.
- Solder-wiping machine. R. M. Lovell and A. G. Fahrney. No. 876,650; Jan. 14; Sp. p. 1997; Dr. p. 435; Gaz. vol. 132; p. 354.
- Soldering and branding iron, Electrically-heated. H. Hertzberg and M. J. Wohl. No. 878,952; Feb. 11; Sp. p. 2194; Dr. p. 460; Gaz. vol. 132; p. 1229.
- Soldering apparatus. D. Genese. No. 902,870; Nov. 3; Sp. p. 689; Gaz. vol. 137; p. 114.
- Soldering appliance. C. C. Blake. No. 878,182; Feb. 4; Sp. p. 608; Dr. p. 125; Gaz. vol. 132; p. 944.
- Soldering chain-links. M. Fessler. No. 890,896; June 16; Sp. p. 3454; Gaz. vol. 134; p. 1670.
- Soldering chain-links, Apparatus for. M. Fessler. No. 890,853; June 16; Sp. p. 3374; Dr. p. 740; Gaz. vol. 134; p. 1657.
- Soldering compound. O. C. Hoover. No. 877,505; Jan. 28; Sp. p. 3735; Gaz. vol. 132; p. 696.
- Soldering compound. E. M. and A. Merrell. No. 899,673; Sept. 29; Sp. p. 4815; Gaz. vol. 136; p. 913.
- Soldering device. R. R. Stein. No. 880,048; Feb. 25; Sp. p. 4473; Dr. p. 939; Gaz. vol. 132; p. 1660.
- Soldering device. L. J. Ferner. No. 878,622; Feb. 11; Sp. p. 1581; Dr. p. 321; Gaz. vol. 132; p. 1124.
- Soldering-furnace. N. W. Lundy. No. 883,216; Mar. 31; Sp. p. 5427; Dr. pp. 1156-7; Gaz. vol. 133; p. 1017.
- Soldering-iron holder. J. M. Fell. No. 880,871; Mar. 3; Sp. p. 796; Dr. p. 168; Gaz. vol. 133; p. 133.
- Soldering-iron, Self-heating. F. J. Mann. No. 900,561; Oct. 6; Sp. p. 1057; Dr. p. 217; Gaz. vol. 136; p. 1234.
- Soldering machine. Can-. G. H. Stewart. No. 898,937; Sept. 15; Sp. p. 3360; Dr. pp. 721-2; Gaz. vol. 136; p. 611.
- Soldering machine. Can-. J. C. Petzer. No. 904,192; Nov. 17; Sp. p. 3390; Gaz. vol. 137; p. 610.
- Soldering machine. Can-. S. A. Baker. No. 907,116; Dec. 22; Sp. p. 3864; Gaz. vol. 137; p. 1718.
- Soldering machine, Can-vent-. C. A. Crandall. No. 886,767; May 5; Sp. p. 894; Dr. p. 185; Gaz. vol. 134; p. 147.
- Soldering-machine for commutators. H. Stone. No. 896,951; Aug. 25; Sp. p. 4380; Dr. p. 938; Gaz. vol. 135; p. 1674.
- Soldering machines, Runway or chute for can-ends-. O. J. Johnson. No. 880,144; Feb. 25; Sp. p. 4653; Dr. p. 981; Gaz. vol. 132; p. 1890.
- Soldering-tool, Wireman's. P. A. Cassidy and F. L. Payne. No. 894,187; July 28; Sp. p. 3782; Dr. p. 783; Gaz. vol. 135; p. 673.
- Sole attachment, Shoe-. J. F. Mitchell. No. 891,090; June 16; Sp. p. 3848; Dr. p. 841; Gaz. vol. 134; p. 1734.
- Sole, Boot and shoe. O. C. Davis. No. 883,299; Mar. 31; Sp. p. 5608; Dr. p. 1195; Gaz. vol. 133; p. 1045.
- Sole-channeling machine. E. A. Webster. No. 897,327; Sept. 1; Sp. p. 143; Dr. p. 30; Gaz. vol. 136; p. 23.
- Sole, Cushion shoe-. E. E. Harmon. No. 886,801; May 5; Sp. p. 965; Dr. p. 202; Gaz. vol. 134; p. 157.
- Sole-edge trimmer. J. Nickerson. No. 897,479; Sept. 1; Sp. p. 485; Dr. p. 103; Gaz. vol. 136; p. 77.
- Sole-laying machine. J. J. Heys. No. 873,391; Feb. 4; Sp. p. 1000; Dr. p. 202; Gaz. vol. 132; p. 1013.
- Sole-leveling machine. E. E. Winkley. No. 889,287; June 2; Sp. p. 184; Dr. p. 46; Gaz. vol. 134; p. 1088.
- Sole-leveling machine. E. E. Winkley. No. 900,248; Oct. 6; Sp. p. 357; Dr. pp. 74-5; Gaz. vol. 136; p. 1131.
- Sole-marking machine. F. J. Burke. No. 893,901; July 21; Sp. p. 3175; Dr. p. 653; Gaz. vol. 135; p. 558.
- Sole-pressing machine. B. F. Mayo. No. 881,478; Mar. 10; Sp. p. 1971; Dr. pp. 429-30; Gaz. vol. 133; p. 358.
- Sole-pressing machine. W. Frasier. No. 884,144; Apr. 7; Sp. p. 1005; Dr. pp. 210-11; Gaz. vol. 133; p. 1346.
- Sole-protecting plate for shoes. J. Edman. No. 903,276; Nov. 10; Sp. p. 1487; Gaz. vol. 137; p. 274.
- Sole-rounding machine. C. L. Allen. No. 881,994; Mar. 17; Sp. p. 3029; Dr. p. 645; Gaz. vol. 133; p. 555.

Alphabetical list of inventions—Continued.

- Sole-rounding machine. B. F. Mayo. No. 882,009; Mar. 17; Sp. p. 3067; Dr. p. 652; Gaz. vol. 133; p. 560.
- Sole, Ventilating-. H. Otterstedt. No. 904,891; Nov. 24; Sp. p. 4875; Gaz. vol. 137; p. 870.
- Soles of wood, Machine for pinning leather on. W. Schou and H. Busse. No. 884,215; Apr. 7; Sp. p. 1133; Dr. p. 238; Gaz. vol. 133; p. 1370.
- Soling machine, Footwear-. J. Larsen. No. 882,395; Mar. 17; Sp. p. 3793; Dr. p. 810; Gaz. vol. 133; p. 684.
- Solenoid-motor. L. F. Howard. No. 899,598; Sept. 29; Sp. p. 4663; Dr. p. 1000; Gaz. vol. 136; p. 890.
- Solid material, Apparatus for treating. J. Gormly. No. 889,120; May 26; Sp. p. 5641; Dr. p. 1194; Gaz. vol. 134; p. 1002.
- Solid material, Treating. J. Gormly. No. 888,608; May 26; Sp. p. 4583; Dr. p. 972; Gaz. vol. 134; p. 837.
- Solid materials, Apparatus for classifying. R. E. Trottier. No. 888,767; May 26; Sp. p. 4899; Dr. pp. 1043-4; Gaz. vol. 134; p. 887.
- Solutions, Precipitating and recovering materials from. C. W. Merrill. No. 900,186; Oct. 6; Sp. p. 240; Dr. p. 49; Gaz. vol. 136; p. 1112.
- Sorghum-stripper. C. M. Barekman. No. 885,314; Apr. 21; Sp. p. 3401; Dr. p. 711; Gaz. vol. 133; p. 1789.
- Sound-box. E. D. Gleason. No. 896,006; Aug. 11; Sp. p. 2463; Dr. pp. 532-3; Gaz. vol. 135; p. 1322.
- Sound-box. E. D. Gleason. No. 896,008; Aug. 11; Sp. p. 2463; Dr. p. 533; Gaz. vol. 135; p. 1323.
- Sound-box. J. S. Kerr. No. 901,713; Oct. 20; Sp. p. 3479; Dr. p. 704; Gaz. vol. 136; p. 1675.
- Sound-box. W. H. Martin. No. 905,899; Dec. 8; Sp. p. 1557; Gaz. vol. 137; p. 1268.
- Sound-box for machines for recording and reproducing sound. J. C. English. No. 898,201; Sept. 8; Sp. p. 1968; Dr. p. 420; Gaz. vol. 136; p. 341.
- Sound, Device for regulating and justifying reproduced. A. Ford. No. 888,986; May 26; Sp. p. 5374; Dr. p. 1141; Gaz. vol. 134; p. 959.
- Sound-muffler. J. F. and H. M. Hirsh. No. 882,684; Mar. 24; Sp. p. 4361; Dr. p. 928; Gaz. vol. 133; p. 814.
- Sound-producing device. J. P. Northey. No. 879,190; Feb. 18; Sp. p. 2672; Dr. p. 558; Gaz. vol. 132; p. 1346.
- Sound-producing mechanism. C. F. Graham. No. 877,327; Jan. 21; Sp. p. 3383; Dr. p. 733; Gaz. vol. 132; p. 617.
- Sound recorder and reproducer. M. Schwartz. No. 875,853; Jan. 7; Sp. p. 325; Dr. p. 72; Gaz. vol. 132; p. 60.
- Sound recording and reproducing apparatus. L. Rosenthal. No. 887,429; May 12; Sp. p. 2247; Dr. p. 471; Gaz. vol. 134; p. 388.
- Sound recording and reproducing instrument. G. Kirkegaard. No. 900,392; Oct. 6; Sp. p. 677; Dr. p. 139; Gaz. vol. 136; p. 1178.
- Sound recording and reproducing machines, Tilting turn-table for. W. N. Dennison. No. 880,369; Feb. 25; Sp. p. 5091; Dr. pp. 1076-7; Gaz. vol. 132; p. 1765.
- Sound-recording apparatus. F. W. H. Clay. No. 881,664; Mar. 10; Sp. p. 2333; Dr. p. 506; Gaz. vol. 133; p. 419.
- Sound-recording apparatus. C. L. Chisholm. No. 891,233; June 23; Sp. p. 4149; Dr. p. 909; Gaz. vol. 134; p. 1813.
- Sound-records, &c., Apparatus for controlling. E. E. Ries. No. 907,177; Dec. 22; Sp. p. 3973; Gaz. vol. 137; p. 1738.
- Sound-records, Die-plate for stamping up. G. K. Cheney. No. 879,363; Feb. 18; Sp. p. 3002; Dr. p. 628; Gaz. vol. 132; p. 1403.
- Sound-records, Making. W. H. Hoyt. No. 897,254; Aug. 25; Sp. p. 5097; Dr. p. 1063; Gaz. vol. 135; p. 1778.
- Sound-records, Production of disk. T. H. Macdonald. No. 878,547; Feb. 11; Sp. p. 1390; Dr. p. 235; Gaz. vol. 132; p. 1098.
- Sound-records, Yielding matrix for. V. H. Emerson. No. 878,513; Feb. 11; Sp. p. 1323; Dr. p. 268; Gaz. vol. 132; p. 1086.
- Sound-regulator. W. S. Cobb. No. 906,388; Dec. 8; Sp. p. 2479; Gaz. vol. 137; p. 1426.
- Sound-reinforcing relay. J. H. Christensen. No. 903,811; Nov. 10; Sp. p. 2558; Gaz. vol. 137; p. 447.
- Sound-reproducer. R. B. Smith. No. 881,831; Mar. 10; Sp. p. 2656; Dr. p. 569; Gaz. vol. 133; p. 472.
- Sound-reproducer. A. N. Pierman. No. 891,367; June 23; Sp. p. 4426; Dr. p. 964; Gaz. vol. 134; p. 1857.
- Sound-reproducer. W. A. Chapman. No. 901,782; Oct. 20; Sp. p. 3615; Dr. p. 732; Gaz. vol. 136; p. 1697.
- Sound reproducer and recorder. A. Junod. No. 894,956; Aug. 4; Sp. p. 357; Dr. p. 72; Gaz. vol. 135; p. 953.
- Sound reproducing and modifying device. W. W. Young. No. 876,035; Jan. 7; Sp. p. 675; Dr. p. 145; Gaz. vol. 132; p. 117.
- Sound-reproducing devices, Hearing-tube for. G. A. Lewis. No. 882,700; Mar. 24; Sp. p. 4383; Dr. p. 933; Gaz. vol. 133; p. 819.
- Sound-reproducing machine. L. T. Haile. No. 888,084; May 19; Sp. p. 3535; Dr. pp. 738-9; Gaz. vol. 134; p. 633.
- Sound-reproducing machine. J. Schwan. No. 898,791; Sept. 15; Sp. p. 3101; Dr. p. 664; Gaz. vol. 136; p. 563.
- Sound-reproducing machines, Automatic cut-off for. J. Eifel. No. 904,187; Nov. 17; Sp. p. 3382; Gaz. vol. 137; p. 608.
- Sound-reproducing machines, Disk-record attachment for. C. W. Schwank. No. 898,792; Sept. 15; Sp. p. 3102; Dr. p. 665; Gaz. vol. 136; p. 564.
- Sound-reproducing machines, Hearing-tube for. G. A. Lewis. No. 883,818; Apr. 7; Sp. p. 287; Dr. p. 53; Gaz. vol. 133; p. 1238.
- Sound-reproducing machines, Repeating mechanism for. J. H. Stinson. No. 896,950; Aug. 25; Sp. p. 4378; Dr. p. 938; Gaz. vol. 135; p. 1674.
- Sound-reproducing machines, Stylus for. S. Levin. No. 890,777; June 16; Sp. p. 3233; Dr. p. 707; Gaz. vol. 134; p. 1633.
- Sound-reproducing mechanism, Starting means for. F. M. Ravenskilde. No. 877,949; Feb. 4; Sp. p. 105; Dr. pp. 24-5; Gaz. vol. 132; p. 867.
- Sound-reproducing records, Making. F. W. H. Clay. No. 900,706; Oct. 13; Sp. p. 1361; Dr. pp. 277-8; Gaz. vol. 136; p. 1309.
- Sound-signal, Apparatus for producing a. T. L. Willson. No. 906,979; Dec. 15; Sp. p. 3584; Gaz. vol. 137; p. 1639.
- Sound transmitting and reproducing apparatus. J. A. L. Dearlove. No. 895,978; Aug. 11; Sp. p. 2413; Dr. p. 517; Gaz. vol. 135; p. 1313.
- Sound-tube. I. W. Norcross. No. 900,877; Oct. 13; Sp. p. 1721; Dr. p. 348; Gaz. vol. 136; p. 1363.
- Sounding apparatus, Sea-. M. T. Parks. No. 884,038; Apr. 7; Sp. p. 749; Dr. pp. 154-5; Gaz. vol. 133; p. 1312.
- Sounding device. J. V. Martin. No. 889,385; June 2; Sp. p. 389; Dr. pp. 91-2; Gaz. vol. 134; p. 1120.
- Sower, Fertilizer-. R. Blair. No. 877,040; Jan. 21; Sp. p. 2800; Dr. pp. 604-5; Gaz. vol. 132; p. 522.
- Spacing-machine. G. H. Dyer. No. 899,294; Sept. 22; Sp. p. 4065; Dr. pp. 868-9; Gaz. vol. 136; p. 755.
- Spacing-table. H. A. Feindt, Jr. No. 897,199; Aug. 25; Sp. p. 4870; Dr. p. 1036; Gaz. vol. 135; p. 1754.
- Spacing-tool. C. McKenzie. No. 877,795; Jan. 28; Sp. p. 4291; Dr. p. 931; Gaz. vol. 132; p. 788.
- Spades, shovels, and handles, Attachment for. A. Fossel. No. 876,793; Jan. 14; Sp. p. 2243; Dr. p. 493; Gaz. vol. 132; p. 398.
- Spangle-machine. G. W. Bingham. No. 885,012; Apr. 21; Sp. p. 2740; Dr. p. 582; Gaz. vol. 133; p. 1639.
- Spanner, Adjustable. G. Roberts. No. 896,157; Aug. 18; Sp. p. 2729; Dr. p. 588; Gaz. vol. 135; p. 1391.
- Spanner and wrench. J. Sinclair. No. 878,024; Feb. 4; Sp. p. 276; Dr. p. 59; Gaz. vol. 132; p. 893.
- Spanner or wrench. H. L. Minter. No. 899,833; Sept. 29; Sp. p. 5147; Dr. p. 1102; Gaz. vol. 136; p. 966.
- Spark-arrester. G. A. Volby. No. 876,417; Jan. 14; Sp. p. 1470; Dr. p. 316; Gaz. vol. 132; p. 272.
- Spark-arrester. D. McIvor. No. 879,663; Feb. 18; Sp. p. 3648; Dr. p. 763; Gaz. vol. 132; p. 1500.
- Spark-arrester. R. B. Kennington. No. 880,309; Feb. 25; Sp. p. 4988; Dr. p. 1053; Gaz. vol. 132; p. 1746.
- Spark-arrester. W. F. MacGregor. No. 880,385; Feb. 25; Sp. p. 5130; Dr. p. 1084; Gaz. vol. 132; p. 1770.
- Spark-arrester. K. M. Colquhoun. No. 880,442; Feb. 25; Sp. p. 5262; Dr. p. 1107; Gaz. vol. 132; p. 1791.
- Spark-arrester. L. H. Starrett. No. 881,735; Mar. 10; Sp. p. 2473; Dr. p. 532; Gaz. vol. 133; p. 441.
- Spark-arrester. N. Martin. No. 883,218; Mar. 31; Sp. p. 5433; Dr. p. 1157; Gaz. vol. 133; p. 1019.
- Spark-arrester. J. E. Dempster. No. 883,791; Apr. 7; Sp. p. 218; Dr. p. 40; Gaz. vol. 133; p. 1229.
- Spark-arrester. P. M. and C. M. Wickstrom. No. 887,893; May 19; Sp. p. 3175; Dr. p. 668; Gaz. vol. 134; p. 572.
- Spark-arrester. R. A. Bender and W. F. Schomburg. No. 890,015; June 9; Sp. p. 1634; Dr. p. 366; Gaz. vol. 134; p. 1349.
- Spark-arrester. F. R. Minkler. No. 890,993; June 16; Sp. p. 3683; Dr. p. 803; Gaz. vol. 134; p. 1703.
- Spark-arrester. W. A. Gooch. No. 895,009; Aug. 4; Sp. p. 481; Dr. p. 97; Gaz. vol. 135; p. 971.
- Spark-arrester. H. A. Hurtienne. No. 895,270; Aug. 4; Sp. p. 1010; Dr. p. 211; Gaz. vol. 135; p. 1060.
- Spark-arrester. A. Hall. No. 901,807; Oct. 20; Sp. p. 3661; Dr. p. 742; Gaz. vol. 136; p. 1704.
- Spark-arrester. O. N. Terry. No. 906,083; Dec. 8; Sp. p. 1903; Gaz. vol. 137; p. 1326.
- Spark-coil. A. R. Luschka. No. 877,656; Jan. 28; Sp. p. 4039; Dr. p. 872; Gaz. vol. 132; p. 745.
- Spark-coil. J. O. Heinze, Jr. No. 888,611; May 26; Sp. p. 4590; Dr. p. 973; Gaz. vol. 134; p. 838.
- Spark-coil, High-potential. C. H. Thordarson. No. 899,634; Sept. 29; Sp. p. 4744; Dr. pp. 1015-16; Gaz. vol. 136; p. 901.
- Spark-gap. I. S. Hirsch. No. 898,888; Sept. 15; Sp. p. 3280; Dr. pp. 701-2; Gaz. vol. 136; p. 590.
- Spark-gap apparatus. W. W. Massie. No. 886,303; Apr. 28; Sp. p. 5393; Dr. p. 1132; Gaz. vol. 133; p. 2140.
- Spark-plug. W. B. Hayden. No. 881,684; Mar. 10; Sp. p. 2363; Dr. p. 512; Gaz. vol. 133; p. 424.
- Spark-plug. E. Bruden. No. 888,782; May 26; Sp. p. 4944; Dr. p. 1053; Gaz. vol. 134; p. 892.
- Spark-plug. G. J. Blum. No. 889,432; June 2; Sp. p. 481; Dr. p. 115; Gaz. vol. 134; p. 1136.
- Spark-plug. C. T. Van Woert. No. 893,955; July 21; Sp. p. 3281; Dr. p. 675; Gaz. vol. 135; p. 576.
- Spark-plug. J. Lang. No. 895,030; Aug. 4; Sp. p. 520; Dr. p. 105; Gaz. vol. 135; p. 979.
- Spark-plug. W. L. Ash. No. 895,225; Aug. 4; Sp. p. 900; Dr. p. 189; Gaz. vol. 135; p. 1045.
- Spark-plug. H. L. Brownback. No. 907,002; Dec. 15; Sp. p. 3628; Gaz. vol. 137; p. 1646.
- Spark-plug attachment. F. D. Casey. No. 902,373; Oct. 27; Sp. p. 4822; Dr. p. 974; Gaz. vol. 136; p. 1917.
- Spark-plug clip. C. A. Mezger. No. 882,260; Mar. 17; Sp. p. 3551; Dr. p. 753; Gaz. vol. 133; p. 641.
- Spark-plug guard. R. S. Kearney. No. 897,466; Sept. 1; Sp. p. 466; Dr. p. 99; Gaz. vol. 136; p. 74.
- Spark-plug protecting-hood. D. B. Mills. No. 878,551; Feb. 11; Sp. p. 1399; Dr. p. 287; Gaz. vol. 132; p. 1099.
- Spark-plug protector. C. H. Stuart. No. 891,112; June 16; Sp. p. 3884; Dr. p. 850; Gaz. vol. 134; p. 1740.
- Spark-timer. D. Almy. No. 878,176; Feb. 4; Sp. p. 598; Dr. p. 123; Gaz. vol. 132; p. 942.
- Spark-timing apparatus. C. C. Dodge. No. 882,876; Mar. 24; Sp. p. 4752; Dr. p. 1010; Gaz. vol. 133; p. 875.
- Sparker device. E. Schietzel. No. 905,935; Dec. 8; Sp. p. 1623; Gaz. vol. 137; p. 1280.

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- Sparkling device. B. G. Gilbough. No. 875,907; Jan. 7; Sp. p. 434; Dr. pp. 96-7; Gaz. vol. 132; p. 79.
- Sparkling device. H. Maillard. No. 883,554; Mar. 31; Sp. p. 6151; Dr. p. 1307; Gaz. vol. 133; p. 1126.
- Sparkling plug. L. Kantrowitz. No. 888,711; May 26; Sp. p. 4792; Dr. p. 1020; Gaz. vol. 134; p. 870.
- Sparkling plug. E. Moonen and A. Dumaire. No. 892,285; June 30; Sp. p. 6279; Dr. p. 1352; Gaz. vol. 134; p. 2192.
- Sparkling plug. Electromagnetic. O. Carlberg. No. 895,958; Aug. 11; Sp. p. 2362; Dr. p. 506; Gaz. vol. 135; p. 1306.
- Sparkling mechanism. H. G. and C. C. Coulson. No. 885,324; Apr. 21; Sp. p. 3418; Dr. p. 714; Gaz. vol. 133; p. 1793.
- Speaking-machine. F. L. Chisholm. No. 881,546; Mar. 10; Sp. p. 2091; Dr. p. 457; Gaz. vol. 133; p. 380.
- Speaking-tube. F. M. Chandler. No. 881,093; Mar. 3; Sp. p. 1199; Dr. p. 259; Gaz. vol. 133; p. 204.
- Specialist's chair. W. H. Kersey. No. 879,179; Feb. 18; Sp. p. 2653; Dr. p. 553; Gaz. vol. 132; p. 1343.
- Specific-gravity-determining apparatus. F. A. Courtois. No. 907,107; Dec. 15; Sp. p. 3825; Gaz. vol. 137; p. 1679.
- Spectacles and eyeglasses, Manufacture of nose-pieces for. W. A. Coates. No. 878,504; Feb. 11; Sp. p. 1309; Dr. p. 265; Gaz. vol. 132; p. 1083.
- Spectacles, Eye guard and shield for. W. C. Bayless. No. 893,972; July 21; Sp. p. 3331; Dr. p. 682; Gaz. vol. 135; p. 582.
- Speculum. W. Meyer. No. 899,175; Sept. 22; Sp. p. 3825; Dr. p. 819; Gaz. vol. 136; p. 717.
- Speculum, Mouth-. N. W. Kyle. No. 886,522; May 5; Sp. p. 357; Dr. p. 74; Gaz. vol. 134; p. 65.
- Speech transmission, Apparatus for. H. E. Shreeve. No. 898,073; Sept. 8; Sp. p. 1724; Dr. p. 366; Gaz. vol. 136; p. 302.
- Speed and brake mechanism, Combined changeable-. E. P. Bullard, Jr. No. 877,404; Jan. 21; Sp. p. 3524; Dr. p. 764; Gaz. vol. 132; p. 642.
- Speed and power controlling mechanism. L. J. Monahan. No. 887,413; May 12; Sp. p. 2215; Dr. p. 464; Gaz. vol. 134; p. 383.
- Speed and reversing mechanism, Variable-. W. J. and E. M. Steinle. No. 892,325; June 30; Sp. p. 6350; Dr. pp. 1369-70; Gaz. vol. 134; p. 2204.
- Speed and reversing mechanism, Variable-. N. S. Harter. No. 899,974; Sept. 29; Sp. p. 5450; Dr. p. 1162; Gaz. vol. 136; p. 1011.
- Speed-change mechanism. A. Balloco. No. 882,091; Mar. 17; Sp. p. 3229; Dr. p. 686; Gaz. vol. 133; p. 587.
- Speed-changing device. J. Riddell. No. 902,538; Oct. 27; Sp. p. 5208; Dr. p. 1051; Gaz. vol. 136; p. 1974.
- Speed-changing gear, Automatic. J. S. Anthony. No. 907,711; Dec. 29; Sp. p. 5124; Gaz. vol. 137; p. 1947.
- Speed-changing mechanism. A. Mill. No. 877,213; Jan. 21; Sp. p. 3163; Dr. p. 687; Gaz. vol. 132; p. 581.
- Speed-changing mechanism. W. O. Foss. No. 883,870; Apr. 7; Sp. p. 407; Dr. pp. 79-80; Gaz. vol. 133; p. 1255.
- Speed-changing mechanism. E. Rivett. No. 885,296; Apr. 21; Sp. p. 3350; Dr. pp. 700-1; Gaz. vol. 133; p. 1783.
- Speed-changing mechanism. W. O. Foss. No. 889,362; June 2; Sp. p. 335; Dr. p. 78; Gaz. vol. 134; p. 1112.
- Speed-changing mechanism. W. W. Earl. No. 892,947; July 7; Sp. p. 1123; Dr. pp. 235-6; Gaz. vol. 135; p. 187.
- Speed-changing mechanism. F. L. Chase. No. 904,179; Nov. 17; Sp. p. 3360; Gaz. vol. 137; p. 605.
- Speed-changing mechanism. B. Beskow. No. 905,637; Dec. 1; Sp. p. 1050; Gaz. vol. 137; p. 1152.
- Speed-changing mechanism, Automatic. K. V. Höhne. No. 904,330; Nov. 17; Sp. p. 3695; Gaz. vol. 137; p. 656.
- Speed-controlling and reversing apparatus. H. T. Coldwell. No. 902,559; Nov. 3; Sp. p. 52; Gaz. vol. 137; p. 9.
- Speed-controlling device. C. L. Longenecker. No. 883,727; Apr. 7; Sp. p. 95; Dr. pp. 15-16; Gaz. vol. 133; p. 1208.
- Speed device, Change-. D. E. Ross. No. 896,161; Aug. 13; Sp. p. 2736; Dr. pp. 589-90; Gaz. vol. 135; p. 1392.
- Speed device, Changeable-. J. A. Wilkin. No. 879,710; Feb. 18; Sp. p. 3745; Dr. p. 786; Gaz. vol. 132; p. 1515.
- Speed friction transmission device, Internal variable-. H. Lutz. No. 904,272; Nov. 17; Sp. p. 3556; Gaz. vol. 137; p. 636.
- Speed-indicating apparatus. S. C. De Fore. No. 877,175; Jan. 21; Sp. p. 3084; Dr. p. 667; Gaz. vol. 132; p. 567.
- Speed-indicating device. S. C. De Fore. No. 877,176; Jan. 21; Sp. p. 3085; Dr. p. 667; Gaz. vol. 132; p. 568.
- Speed-indicating device, Time. E. J. Hall. No. 879,540; Feb. 18; Sp. p. 3379; Dr. pp. 706-7; Gaz. vol. 132; p. 1461.
- Speed-indicating or recording apparatus. L. E. Cowey. No. 897,715; Sept. 1; Sp. p. 960; Dr. p. 206; Gaz. vol. 136; p. 154.
- Speed-indicator. C. R. Benton. No. 876,256; Jan. 7; Sp. p. 1104; Dr. p. 239; Gaz. vol. 132; p. 187.
- Speed-indicator. R. T. Haines. No. 882,382; Mar. 17; Sp. p. 3771; Dr. pp. 804-5; Gaz. vol. 133; p. 680.
- Speed-indicator. J. G. Field. No. 887,616; May 12; Sp. p. 2602; Dr. p. 549; Gaz. vol. 134; p. 449.
- Speed-indicator. E. T. Greenfield. No. 888,705; May 26; Sp. p. 4783; Dr. p. 1019; Gaz. vol. 134; p. 868.
- Speed-indicator. E. T. Greenfield. No. 888,798; May 26; Sp. p. 4981; Dr. p. 1063; Gaz. vol. 134; p. 898.
- Speed-indicator. E. C. Oliver. No. 895,670; Aug. 11; Sp. p. 1786; Dr. p. 380; Gaz. vol. 135; p. 1213.
- Speed-indicator. J. L. Hall. No. 902,074; Oct. 27; Sp. p. 4197; Dr. p. 851; Gaz. vol. 136; p. 1820.
- Speed-indicator. L. Work. No. 902,791; Nov. 3; Sp. p. 498; Gaz. vol. 137; p. 87.
- Speed-indicator. R. Shipman. No. 903,793; Nov. 10; Sp. p. 2518; Gaz. vol. 137; p. 440.
- Speed-indicator. A. Turner. No. 905,769; Dec. 1; Sp. p. 1299; Gaz. vol. 137; p. 1196.
- Speed-indicator and recorder. F. F. Uehling. No. 884,112; Apr. 7; Sp. p. 926; Dr. p. 194; Gaz. vol. 133; p. 1336.
- Speed indicator and recorder. A. Shedlock. No. 890,100; June 9; Sp. p. 1804; Dr. pp. 399-400; Gaz. vol. 134; p. 1378.
- Speed indicator and recorder. F. F. Uehling. No. 904,660; Nov. 24; Sp. p. 4367; Gaz. vol. 137; p. 733.
- Speed-indicator, Synchronous. A. E. Griffin. No. 904,693; Nov. 24; Sp. p. 4437; Gaz. vol. 137; p. 804.
- Speed-limiting device. A. L. McHugh. No. 891,282; June 23; Sp. p. 4244; Dr. p. 929; Gaz. vol. 134; p. 1829.
- Speed mechanism. F. H. Hodgkins. No. 881,122; Mar. 10; Sp. p. 1254; Dr. p. 271; Gaz. vol. 133; p. 243.
- Speed mechanism, Constant-. A. H. F. Schaar. No. 895,308; Aug. 4; Sp. p. 1087; Dr. pp. 227-8; Gaz. vol. 135; p. 1073.
- Speed mechanism, Variable-. T. C. Dill. No. 877,491; Jan. 28; Sp. p. 3094; Dr. p. 801; Gaz. vol. 132; p. 690.
- Speed mechanism, Variable-. L. Thiel. No. 879,215; Feb. 18; Sp. p. 2715; Dr. p. 566; Gaz. vol. 132; p. 1354.
- Speed mechanism, Variable-. L. Thiel. No. 879,216; Feb. 18; Sp. p. 2717; Dr. p. 567; Gaz. vol. 132; p. 1354.
- Speed mechanism, Variable-. B. D. Stevens. No. 881,086; Mar. 3; Sp. p. 1185; Dr. p. 257; Gaz. vol. 133; p. 201.
- Speed mechanism, Variable-. H. J. Wilber. No. 881,987; Mar. 17; Sp. p. 3003; Dr. pp. 642-3; Gaz. vol. 133; p. 553.
- Speed mechanism, Variable-. F. G. Gauntt. No. 887,785; May 19; Sp. p. 2953; Dr. p. 621; Gaz. vol. 134; p. 536.
- Speed mechanism, Variable-. N. D. Chard and M. Shipley. No. 890,333; June 9; Sp. p. 2313; Dr. p. 511; Gaz. vol. 134; p. 1455.
- Speed mechanism, Variable-. N. D. Chard and M. Shipley. No. 890,334; June 9; Sp. p. 2316; Dr. pp. 511-12; Gaz. vol. 134; p. 1455.
- Speed mechanism, Variable-. A. J. Doebbeling. No. 890,344; June 9; Sp. p. 2332; Dr. p. 514; Gaz. vol. 134; p. 1458.
- Speed mechanism, Variable-. V. Johnson. No. 898,745; Sept. 15; Sp. p. 3016; Dr. p. 646; Gaz. vol. 136; p. 548.
- Speed mechanism, Variable-. A. L. De Leeuw. No. 905,506; Dec. 1; Sp. p. 808; Gaz. vol. 137; p. 1111.
- Speed mechanism, Variable-. B. M. Hanson. No. 905,519; Dec. 1; Sp. p. 830; Gaz. vol. 137; p. 1115.
- Speed-meter. R. Johnson. No. 877,506; Jan. 28; Sp. p. 3736; Dr. p. 808; Gaz. vol. 132; p. 696.
- Speed-meter. C. J. Stuart. No. 895,121; Aug. 4; Sp. p. 697; Dr. p. 145; Gaz. vol. 135; p. 1009.
- Speed-recorder. H. Walder. No. 890,949; June 16; Sp. p. 3585; Dr. p. 781; Gaz. vol. 134; p. 1688.
- Speed recording and indicating device. A. W. Polte. No. 907,400; Dec. 22; Sp. p. 4428; Gaz. vol. 137; p. 1815.
- Speed-regulating device. A. F. Schmucker. No. 890,533; June 9; Sp. p. 2682; Dr. pp. 591-2; Gaz. vol. 134; p. 1518.
- Speed regulator and indicator. W. W. Wooster. No. 876,073; Jan. 14; Sp. p. 2035; Dr. p. 444; Gaz. vol. 132; p. 361.
- Speed transmission mechanism, Variable-. A. Latham. No. 900,675; Oct. 6; Sp. p. 1294; Dr. pp. 264-5; Gaz. vol. 136; p. 1272.
- Speed transmission, Variable-. H. H. Cutler. No. 894,878; Aug. 4; Sp. p. 158; Dr. pp. 35-6; Gaz. vol. 135; p. 926.
- Speed-transmitting mechanism, Variable-. A. J. Meyer. No. 882,952; Mar. 24; Sp. p. 4905; Dr. p. 1040; Gaz. vol. 133; p. 902.
- Speeds, distances covered, and the like, Instrument for indicating. E. V. Gratzke. No. 877,711; Jan. 28; Sp. p. 4140; Dr. p. 896; Gaz. vol. 132; p. 761.
- Speeders or spinning-machines, Top roll for. C. E. Riley. No. 899,807; Sept. 29; Sp. p. 5106; Dr. p. 1092; Gaz. vol. 136; p. 958.
- Speedometer. D. H. Haywood. No. 892,723; July 7; Sp. p. 648; Dr. pp. 137-8; Gaz. vol. 135; p. 113.
- Speedometer. J. W. Jones. No. 899,055; Sept. 22; Sp. p. 3578; Dr. p. 767; Gaz. vol. 136; p. 676.
- Speedometer. C. H. Draper. No. 908,079; Dec. 29; Sp. p. 5871; Gaz. vol. 137; p. 2068.
- Spelter-furnace, Recuperative. N. L. Heinz. No. 898,409; Sept. 8; Sp. p. 2345; Dr. p. 498; Gaz. vol. 136; p. 408.
- Spherical structures, Jacket for. F. L. Sheldon. No. 888,854; May 26; Sp. p. 5102; Dr. pp. 1087-8; Gaz. vol. 134; p. 915.
- Spigot and escape-valve, Combined. R. S. Wiesenfeld. No. 888,212; May 19; Sp. p. 3769; Dr. p. 791; Gaz. vol. 134; p. 674.
- Spike. A. Eisenreich. No. 895,080; Aug. 4; Sp. p. 607; Dr. p. 126; Gaz. vol. 135; p. 995.
- Spike. L. L. Sessagant. No. 904,814; Nov. 24; Sp. p. 4702; Gaz. vol. 137; p. 844.
- Spike and tie-plate. W. Goldie, Jr. No. 884,578; Apr. 14; Sp. p. 1840; Dr. p. 394; Gaz. vol. 133; p. 1516.
- Spike-extractor. G. W. Rittersbach, Jr. No. 898,064; Sept. 8; Sp. p. 1710; Dr. p. 362; Gaz. vol. 136; p. 299.
- Spike-extractor. W. Wolfe. No. 900,338; Oct. 6; Sp. p. 561; Dr. p. 117; Gaz. vol. 136; p. 1160.
- Spike-extractor and jack. I. M. Coffey. No. 892,365; June 30; Sp. p. 6425; Dr. p. 1387; Gaz. vol. 134; p. 2217.
- Spike-extractor and rail-lifter, Combined. D. C. Armstrong and W. P. Fitzgerald. No. 887,374; May 12; Sp. p. 2138; Dr. p. 418; Gaz. vol. 134; p. 370.
- Spike-lock. A. Smith. No. 900,318; Oct. 6; Sp. p. 527; Dr. p. 109; Gaz. vol. 136; p. 1155.
- Spike-puller. C. E. Gloner. No. 880,210; Feb. 25; Sp. p. 4790; Dr. p. 1014; Gaz. vol. 132; p. 1713.
- Spike-puller. J. B. Gillis. No. 882,380; Mar. 17; Sp. p. 3769; Dr. p. 804; Gaz. vol. 133; p. 680.
- Spike-puller. R. A. Bradshaw. No. 882,449; Mar. 17; Sp. p. 3886; Dr. pp. 830-1; Gaz. vol. 133; p. 703.
- Spike-puller. G. P. Jones and W. A. Rindress. No. 895,763; Aug. 11; Sp. p. 1971; Dr. p. 417; Gaz. vol. 135; p. 1243.
- Spike-puller. W. E. Werd, H. Rodda, and J. H. Viol. No. 903,928; Nov. 17; Sp. p. 2845; Gaz. vol. 137; p. 519.

Alphabetical list of inventions—Continued.

- Spindle: See Axle-spindle; Bobbin-spindle; Lock-spindle; Rotatable spindle; Spinning and twisting spindle; Spinning-machine spindle; Vehicle-spindle.
- Spindle. C. S. Foster. No. 886,789; May 5; Sp. p. 943; Dr. p. 196; Gaz. vol. 134; p. 153.
- Spindle. C. R. Hone. No. 900,928; Oct. 13; Sp. p. 1836; Dr. p. 374; Gaz. vol. 136; p. 1381.
- Spindle-driving mechanism. H. Allen. No. 901,515; Oct. 20; Sp. p. 3051; Dr. p. 623; Gaz. vol. 136; p. 1609.
- Spindle-protector. E. E. Ervin. No. 897,967; Sept. 8; Sp. p. 1515; Dr. p. 321; Gaz. vol. 136; p. 268.
- Spindle, Silk-throwster. F. Bryant. No. 884,126; Apr. 7; Sp. p. 971; Dr. p. 201; Gaz. vol. 133; p. 1341.
- Spindle-upsetting device. S. L. Blake. No. 906,997; Dec. 15; Sp. p. 3621; Gaz. vol. 137; p. 1644.
- Spinning and twisting apparatus, Ring. T. C. Powell. No. 883,120; Mar. 24; Sp. p. 5224; Dr. p. 1115; Gaz. vol. 133; p. 956.
- Spinning and twisting apparatus, Ring. E. Hayden. No. 889,881; June 2; Sp. p. 1344; Dr. p. 307; Gaz. vol. 134; p. 1279.
- Spinning and twisting device, Yarn. D. Despradelle. No. 890,618; June 16; Sp. p. 2884; Dr. p. 634; Gaz. vol. 134; p. 1580.
- Spinning and twisting frames, Appliance for cleaning the delivery-rollers of mule. W. A. Cordingley. No. 901,784; Oct. 20; Sp. p. 3620; Dr. p. 733; Gaz. vol. 136; p. 1697.
- Spinning and twisting machine. T. D. Singleton and W. Gleason. No. 884,621; Apr. 14; Sp. p. 1927; Dr. p. 414; Gaz. vol. 133; p. 1530.
- Spinning and twisting machine, Ring. P. A. Mayer. No. 905,205; Dec. 1; Sp. p. 168; Gaz. vol. 137; p. 1010.
- Spinning and twisting machine stop-motion. S. Dean. No. 892,982; July 14; Sp. p. 1199; Dr. p. 253; Gaz. vol. 135; p. 228.
- Spinning and twisting machines, Flier for. G. L. Brownell. No. 901,226; Oct. 13; Sp. p. 2375; Dr. p. 486; Gaz. vol. 136; p. 1475.
- Spinning and twisting machines, Underclearer or "Bucker" for. T. D. Williams and W. Greenwood. No. 895,131; Aug. 4; Sp. p. 711; Dr. p. 148; Gaz. vol. 135; p. 1012.
- Spinning and twisting spindle. V. S. Westcott and G. B. Allen. No. 887,162; May 12; Sp. p. 1620; Dr. p. 344; Gaz. vol. 134; p. 298.
- Spinning and twisting spindle. V. S. Westcott and G. B. Allen. No. 892,480; July 7; Sp. p. 172; Dr. pp. 36-7; Gaz. vol. 135; p. 34.
- Spinning apparatus, Traverse-motion for yarn-. J. Northrop. No. 882,793; Mar. 24; Sp. p. 4562; Dr. p. 974; Gaz. vol. 133; p. 847.
- Spinning, drawing, roving, and like frame. J. Farrar. No. 880,068; Feb. 25; Sp. p. 4508; Dr. p. 947; Gaz. vol. 132; p. 1666.
- Spinning-frame attachment. A. Duckworth. No. 903,063; Nov. 3; Sp. p. 1065; Gaz. vol. 137; p. 174.
- Spinning-frame, Flier. J. Robertson. No. 905,231; Dec. 1; Sp. p. 221; Gaz. vol. 137; p. 1029.
- Spinning-frame roller. S. D. Hammett. No. 891,060; June 16; Sp. p. 3805; Dr. p. 831; Gaz. vol. 134; p. 1726.
- Spinning-frame saddle. J. H. Turcotte. No. 877,020; Jan. 21; Sp. p. 2754; Dr. p. 596; Gaz. vol. 132; p. 515.
- Spinning-frames, Drawing-roll cleaner for. J. S. Deeley and W. W. Ollendorff. No. 882,931; Mar. 24; Sp. p. 4865; Dr. p. 1033; Gaz. vol. 133; p. 894.
- Spinning-frames, &c., Spindle-driving arrangement of. D. Phillips. No. 908,420; Dec. 29; Sp. p. 6610; Gaz. vol. 137; p. 2186.
- Spinning-machine. T. A. Harrington and A. Barrie. No. 876,960; Jan. 21; Sp. p. 2620; Dr. p. 569; Gaz. vol. 132; p. 494.
- Spinning-machine. J. Jackson. No. 902,882; Nov. 3; Sp. p. 720; Gaz. vol. 137; p. 119.
- Spinning-machine. E. Dixon. No. 905,668; Dec. 1; Sp. p. 1100; Gaz. vol. 137; p. 1161.
- Spinning-machine. R. J. Harrington. No. 907,792; Dec. 29; Sp. p. 5291; Gaz. vol. 137; p. 1975.
- Spinning-machine attachment. P. D. Gould. No. 888,998; May 26; Sp. p. 5396; Dr. p. 1145; Gaz. vol. 134; p. 963.
- Spinning, Machine for preparing fibers for. M. Collins. No. 896,437; Aug. 18; Sp. p. 3301; Dr. p. 709; Gaz. vol. 135; p. 1482.
- Spinning machine, Ring-. G. H. Brabrook. No. 897,578; Sept. 1; Sp. p. 695; Dr. p. 146; Gaz. vol. 136; p. 109.
- Spinning-machine spindle. A. Long. No. 902,890; Nov. 3; Sp. p. 734; Gaz. vol. 137; p. 121.
- Spinning-machine thread-guide. F. Ambler and H. Wallace. No. 884,700; Apr. 14; Sp. p. 2121; Dr. p. 452; Gaz. vol. 133; p. 1557.
- Spinning-machine traveler-ring. C. W. Jackson and W. A. McVicker. No. 877,084; Jan. 21; Sp. p. 2874; Dr. pp. 620-1; Gaz. vol. 132; p. 536.
- Spinning machine, Yarn-. L. Dugaquier. No. 877,917; Feb. 4; Sp. p. 44; Dr. p. 9; Gaz. vol. 132; p. 856.
- Spinning machines, Doffing means for ring-. R. L. Cumnock. No. 880,014; Feb. 25; Sp. p. 4394; Dr. p. 923; Gaz. vol. 132; p. 1649.
- Spinning-machines, Revolution-indicating mechanism for. L. O. Goodwin. No. 879,957; Feb. 25; Sp. p. 4288; Dr. p. 896; Gaz. vol. 132; p. 1630.
- Spinning-machines, Roll-stand for. E. D. Libby. No. 888,102; May 19; Sp. p. 3579; Dr. p. 748; Gaz. vol. 134; p. 639.
- Spinning-machines, Thread-board for. O. L. Owen. No. 899,609; Sept. 29; Sp. p. 4679; Dr. p. 1004; Gaz. vol. 136; p. 893.
- Spinning-mule. J. J. McGilney. No. 902,316; Oct. 27; Sp. p. 4703; Dr. p. 952; Gaz. vol. 136; p. 1897.
- Spinning or twisting apparatus. J. H. Turcotte. No. 895,701; Aug. 11; Sp. p. 1844; Dr. p. 392; Gaz. vol. 135; p. 1224.
- Spinning or twisting apparatus. A. E. Rhoades. No. 900,592; Oct. 6; Sp. p. 1109; Dr. p. 223; Gaz. vol. 136; p. 1244.
- Spinning or twisting apparatus, Ring. A. W. Beardsell. No. 893,600; July 21; Sp. p. 2487; Dr. p. 518; Gaz. vol. 135; p. 458.
- Spinning or twisting frame. L. T. Houghton. No. 879,642; Feb. 18; Sp. p. 3611; Dr. p. 755; Gaz. vol. 132; p. 1493.
- Spinning or twisting frame thread-guide support. J. T. Meats. No. 904,493; Nov. 17; Sp. p. 4030; Gaz. vol. 137; p. 710.
- Spinning or twisting machine thread-guiding mechanism. C. A. Taft. No. 905,386; Dec. 1; Sp. p. 513; Gaz. vol. 137; p. 1071.
- Spinning paper strips, Machine for. E. Jagenberg. No. 891,545; June 23; Sp. p. 4786; Dr. p. 1035; Gaz. vol. 134; p. 1915.
- Spinning-ring. F. H. Chapman. No. 893,443; July 14; Sp. p. 2130; Dr. p. 447; Gaz. vol. 135; p. 378.
- Spinning-ring. F. H. Chapman. No. 893,444; July 14; Sp. p. 2132; Dr. p. 447; Gaz. vol. 135; p. 378.
- Spinning-ring. M. H. Maloney. No. 897,384; Sept. 1; Sp. p. 295; Dr. p. 60; Gaz. vol. 136; p. 45.
- Spinning-ring. J. Pearson. No. 906,158; Dec. 8; Sp. p. 2047; Gaz. vol. 137; p. 1350.
- Spinning-spindle. T. M. Byrnes. No. 906,197; Dec. 8; Sp. p. 2125; Gaz. vol. 137; p. 1364.
- Spinning, twisting, and doubling machine. S. Z. de Ferranti. No. 903,965; Nov. 17; Sp. p. 2906; Gaz. vol. 137; p. 530.
- Spinning, twisting, and like apparatus. H. Doll. No. 891,917; June 30; Sp. p. 5566; Dr. p. 1199; Gaz. vol. 134; p. 2072.
- Spinning wheel, Pottery-. C. D. Weeks. No. 895,060; Aug. 4; Sp. p. 569; Dr. pp. 117-18; Gaz. vol. 135; p. 988.
- Spirits, Manufacture of. G. Fritsche. No. 884,576; Apr. 14; Sp. p. 1836; Gaz. vol. 133; p. 1516.
- Spirometer. J. A. Morris. No. 894,337; July 28; Sp. p. 4108; Dr. p. 848; Gaz. vol. 135; p. 723.
- Spittoon. R. E. Downie. No. 892,984; July 14; Sp. p. 1203; Dr. p. 255; Gaz. vol. 135; p. 228.
- Spittoon. C. A. Oatson. No. 899,130; Sept. 22; Sp. p. 3720; Dr. p. 797; Gaz. vol. 136; p. 702.
- Splice-bar. G. A. Santa. No. 886,158; Apr. 28; Sp. p. 5122; Dr. p. 1076; Gaz. vol. 133; p. 2091.
- Splice-bar. D. Ambrose. No. 889,840; June 2; Sp. p. 1262; Dr. p. 291; Gaz. vol. 134; p. 1265.
- Splice-bar. U. G. Cassidy. No. 892,809; July 7; Sp. p. 817; Dr. p. 174; Gaz. vol. 135; p. 140.
- Split washer. J. J. Jensen. No. 885,052; Apr. 21; Sp. p. 2831; Dr. p. 599; Gaz. vol. 133; p. 1703.
- Spoke-extractor. L. P. Parent. No. 879,308; Feb. 18; Sp. p. 2906; Dr. p. 606; Gaz. vol. 132; p. 1385.
- Spoke-extractor. J. W. Gay. No. 881,070; Mar. 3; Sp. p. 1151; Dr. p. 230; Gaz. vol. 133; p. 196.
- Spoke-extractor. D. L. Williams. No. 884,447; Apr. 14; Sp. p. 1575; Dr. p. 339; Gaz. vol. 133; p. 1474.
- Spoke-extractor. L. P. Parent. No. 899,701; Sept. 29; Sp. p. 4857; Dr. p. 1041; Gaz. vol. 136; p. 921.
- Spoke-jack. J. A. Alley. No. 894,094; July 21; Sp. p. 3577; Dr. p. 736; Gaz. vol. 135; p. 624.
- Spoke, Laminated metal wheel-. J. R. Welch. No. 900,049; Sept. 29; Sp. p. 5633; Dr. p. 1203; Gaz. vol. 136; p. 1036.
- Spoke-machine. W. J. Adkins. No. 898,622; Sept. 15; Sp. p. 2783; Dr. pp. 594-5; Gaz. vol. 136; p. 509.
- Spoke, Metal wheel-. J. R. Welch. No. 899,476; Sept. 22; Sp. p. 4384; Dr. p. 940; Gaz. vol. 136; p. 812.
- Spoke-puller. G. L. Preston. No. 876,234; Jan. 7; Sp. p. 1065; Dr. p. 231; Gaz. vol. 132; p. 180.
- Spoke-puller. J. R. Crenshaw. No. 885,445; Apr. 21; Sp. p. 3649; Dr. p. 766; Gaz. vol. 133; p. 1831.
- Spoke-puller. W. C. McCoy. No. 897,991; Sept. 8; Sp. p. 1558; Dr. p. 331; Gaz. vol. 136; p. 276.
- Spoke setter and guide. J. Hanon. No. 888,010; May 19; Sp. p. 3399; Dr. p. 715; Gaz. vol. 134; p. 610.
- Spoke-setting machine. E. E. Foxworthy. No. 888,394; May 19; Sp. p. 4112; Dr. p. 868; Gaz. vol. 134; p. 732.
- Spoke-socket. N. W. May. No. 886,715; May 5; Sp. p. 778; Dr. p. 159; Gaz. vol. 134; p. 130.
- Spoke-socket, Sheet-metal. F. S. Lockerman. No. 896,735; Aug. 25; Sp. p. 3884; Dr. p. 839; Gaz. vol. 135; p. 1600.
- Spoke-tightener. J. L. Zane. No. 894,930; Aug. 4; Sp. p. 317; Dr. p. 63; Gaz. vol. 135; p. 945.
- Spoke, Vehicle-wheel. J. C. Wise. No. 890,004; June 9; Sp. p. 1610; Dr. p. 361; Gaz. vol. 134; p. 1346.
- Spokes from hubs of wheels, Device for extracting. J. Messenger. No. 893,257; July 14; Sp. p. 1758; Dr. p. 370; Gaz. vol. 135; p. 317.
- Sponge, Fountain bath-. B. D. Knickerbocker. No. 895,472; Aug. 11; Sp. p. 1406; Dr. p. 295; Gaz. vol. 135; p. 1149.
- Sponge-holder. J. S. Williams. No. 880,260; Feb. 25; Sp. p. 4694; Dr. p. 1035; Gaz. vol. 132; p. 1731.
- Spool. P. Hardman. No. 875,993; Jan. 7; Sp. p. 598; Dr. p. 128; Gaz. vol. 132; p. 104.
- Spool. F. B. Wood. No. 898,398; Sept. 8; Sp. p. 2323; Dr. p. 494; Gaz. vol. 136; p. 404.
- Spool attachment. L. J. Bonar. No. 889,750; June 2; Sp. p. 1096; Dr. p. 254; Gaz. vol. 134; p. 1235.
- Spool-case. C. J. Alfred. No. 900,464; Oct. 6; Sp. p. 847; Dr. p. 172; Gaz. vol. 136; p. 1203.
- Spool-holder. B. Empfield. No. 876,157; Jan. 7; Sp. p. 919; Dr. p. 198; Gaz. vol. 132; p. 156.
- Spool-holder. S. McBride. No. 890,688; June 16; Sp. p. 3024; Dr. p. 664; Gaz. vol. 134; p. 1603.
- Spool-holder. F. D. Osterhout. No. 892,077; June 30; Sp. p. 5871; Dr. p. 1264; Gaz. vol. 134; p. 2121.
- Spool-holder, Factory. A. S. Nichols. No. 902,247; Oct. 27; Sp. p. 4550; Dr. p. 923; Gaz. vol. 136; p. 1875.
- Spool-molding machine. W. Burke. No. 876,144; Jan. 7; Sp. p. 898; Dr. p. 194; Gaz. vol. 132; p. 152.
- Spool, Sheet-metal. C. A. Brinley. No. 877,398; Jan. 21; Sp. p. 3508; Dr. p. 760; Gaz. vol. 132; p. 639.
- Spool, Thread-. E. A. Zobel. No. 904,896; Nov. 17; Sp. p. 3801; Gaz. vol. 137; p. 678.
- Spooling-machine. F. L. Atherton. No. 876,761; Jan. 14; Sp. p. 2188; Dr. pp. 480-1; Gaz. vol. 132; p. 388.

Alphabetical list of inventions—Continued.

- Spoon. W. P. Herbst. No. 888,499; May 26; Sp. p. 4350; Dr. p. 920; Gaz. vol. 134; p. 798.
- Spoon. M. V. Putnam. No. 896,043; Aug. 11; Sp. p. 2531; Dr. p. 550; Gaz. vol. 135; p. 1334.
- Spoon, Cutting. H. L. McCoy. No. 904,553; Nov. 24; Sp. p. 4155; Gaz. vol. 137; p. 757.
- Spoon, Medicine-. W. L. Jerkins. No. 884,390; Apr. 14; Sp. p. 1462; Dr. p. 312; Gaz. vol. 133; p. 1455.
- Spoon, Mixing-. A. W. Cram. No. 885,444; Apr. 21; Sp. p. 3648; Dr. p. 765; Gaz. vol. 133; p. 1831.
- Spot-setting machine. E. A. Barber. No. 900,694; Oct. 13; Sp. p. 1339; Dr. pp. 273-4; Gaz. vol. 136; p. 1306.
- Spout, Detachable. C. R. Keeran. No. 877,435; Jan. 21; Sp. p. 3586; Dr. p. 776; Gaz. vol. 132; p. 652.
- Spout, Distributing-. S. A. Morehouse. No. 907,848; Dec. 29; Sp. p. 5391; Gaz. vol. 137; p. 1992.
- Spout, Flexible. J. H. Gilman. No. 883,109; Mar. 24; Sp. p. 5188; Dr. pp. 1107-8; Gaz. vol. 133; p. 951.
- Spout for vessels, Seamless sheet-metal. J. H. W. Gebler. No. 877,322; Jan. 21; Sp. p. 3377; Dr. p. 731; Gaz. vol. 132; p. 615.
- Spout-support. B. M. Steele. No. 878,906; Feb. 11; Sp. p. 2115; Dr. p. 441; Gaz. vol. 132; p. 1214.
- Spray. R. A. Brooks. No. 877,045; Jan. 21; Sp. p. 2810; Dr. p. 608; Gaz. vol. 132; p. 524.
- Sprayer, Color and dye. H. Mikorey. No. 888,449; May 19; Sp. p. 4249; Dr. p. 899; Gaz. vol. 134; p. 752.
- Sprayer, Hand-. E. R. Richards. No. 905,102; Nov. 24; Sp. p. 5284; Gaz. vol. 137; p. 940.
- Sprayer, Pumpless steam-. C. D. Saxton. No. 895,897; Aug. 11; Sp. p. 2240; Dr. p. 478; Gaz. vol. 135; p. 1286.
- Spraying apparatus. F. and F. Koenigkramer. No. 895,768; Aug. 11; Sp. p. 1984; Dr. p. 420; Gaz. vol. 135; p. 1245.
- Spraying apparatus. E. F. Sampson. No. 895,795; Aug. 11; Sp. p. 2049; Dr. p. 435; Gaz. vol. 135; p. 1254.
- Spraying apparatus. H. F. B. Snyder. No. 897,029; Aug. 25; Sp. p. 4560; Dr. p. 973; Gaz. vol. 135; p. 1701.
- Spraying apparatus, Color-. H. Mikorey. No. 883,144; Mar. 24; Sp. p. 5274; Dr. p. 1125; Gaz. vol. 133; p. 963.
- Spraying apparatus, Liquid-. H. L. Doherty. No. 901,597; Oct. 20; Sp. p. 3206; Dr. p. 657; Gaz. vol. 136; p. 1635.
- Spraying attachment for percussive tools. D. S. Waugh. No. 889,835; June 2; Sp. p. 1252; Dr. p. 289; Gaz. vol. 134; p. 1263.
- Spraying device. A. M. Phillips. No. 896,148; Aug. 18; Sp. p. 2713; Dr. p. 586; Gaz. vol. 135; p. 1388.
- Spraying device. J. W. Stewart. No. 904,371; Nov. 17; Sp. p. 6371; Gaz. vol. 137; p. 669.
- Spraying device. C. Truman. No. 905,250; Dec. 1; Sp. p. 249; Gaz. vol. 137; p. 1026.
- Spraying device, Automatic. W. Tyree. 879,929; Feb. 25; Sp. p. 4237; Dr. pp. 885-6; Gaz. vol. 132; p. 1622.
- Spraying device for dampening fabrics. S. Kops. No. 892,741; July 7; Sp. p. 690; Dr. p. 145; Gaz. vol. 135; p. 118.
- Spraying device for stock, Automatic. H. Hollowell. No. 876,458; Jan. 14; Sp. p. 1559; Dr. p. 334; Gaz. vol. 132; p. 286.
- Spraying device for watering streets. A. Thomas. No. 883,257; Mar. 31; Sp. p. 5522; Dr. p. 1177; Gaz. vol. 133; p. 1031.
- Spraying nozzle, Chemical-. H. Sieben. No. 887,856; May 19; Sp. p. 3099; Dr. p. 649; Gaz. vol. 134; p. 559.
- Spreading device. J. A. Birsfield. No. 901,673; Oct. 20; Sp. p. 3354; Dr. p. 687; Gaz. vol. 136; p. 1659.
- Spring: See Automobile-spring; Automobile auxiliary spring; Bed-spring; Bicycle saddle-spring; Box-spring; Car-spring; Coil-spring; Door-spring; Elliptic spring; Friction-spring; Furniture-spring; Saddle-spring; Trolley-wheel spring; Vehicle-spring.
- Spring. M. H. Naber. No. 887,112; May 12; Sp. p. 1544; Dr. p. 326; Gaz. vol. 134; p. 283.
- Spring. P. J. Neate. No. 895,492; Aug. 11; Sp. p. 1443; Dr. pp. 302-3; Gaz. vol. 135; p. 1156.
- Spring. H. G. Backermann. No. 898,084; Sept. 8; Sp. p. 1745; Dr. p. 371; Gaz. vol. 136; p. 306.
- Spring. L. Y. León. No. 903,587; Nov. 10; Sp. p. 2120; Gaz. vol. 137; p. 376.
- Spring. A. N. Lukens. No. 904,490; Nov. 17; Sp. p. 4023; Gaz. vol. 137; p. 709.
- Spring-bow rest. C. E. Titchener. No. 893,399; July 14; Sp. p. 2022; Dr. p. 424; Gaz. vol. 135; p. 364.
- Spring-bridge. G. A. Bader. No. 886,467; May 5; Sp. p. 252; Dr. p. 53; Gaz. vol. 134; p. 47.
- Spring-clevis. E. G. Hines. No. 906,712; Dec. 15; Sp. p. 3078; Gaz. vol. 137; p. 1555.
- Spring-clip. F. B. Sanders. No. 890,531; June 9; Sp. p. 2677; Dr. p. 590; Gaz. vol. 134; p. 1517.
- Spring-clip. G. W. McGill. No. 893,353; July 14; Sp. p. 1940; Dr. p. 408; Gaz. vol. 135; p. 348.
- Spring-compressing clamp. F. R. Wickwire. No. 875,761; Jan. 7; Sp. p. 162; Dr. p. 36; Gaz. vol. 132; p. 31.
- Spring construction. W. R. Smith. No. 879,334; Feb. 18; Sp. p. 2944; Dr. p. 614; Gaz. vol. 132; p. 1393.
- Spring construction. C. O. Brage. No. 898,429; Sept. 15; Sp. p. 2406; Dr. p. 515; Gaz. vol. 136; p. 448.
- Spring construction. C. Burgess, Jr. No. 902,937; Nov. 3; Sp. p. 818; Gaz. vol. 137; p. 135.
- Spring-cushion. E. C. Washburn. No. 882,279; Mar. 17; Sp. p. 3592; Dr. p. 762; Gaz. vol. 133; p. 647.
- Spring-fastening. F. Schindewolf. No. 888,121; May 19; Sp. p. 3607; Dr. p. 756; Gaz. vol. 134; p. 645.
- Spring-fork. M. Schenck. No. 876,021; Jan. 7; Sp. p. 654; Dr. p. 139; Gaz. vol. 132; p. 113.
- Spring-hook. G. Leighton. No. 875,714; Jan. 7; Sp. p. 71; Dr. p. 15; Gaz. vol. 132; p. 15.
- Spring, King-bolt. T. Karle. No. 904,067; Nov. 17; Sp. p. 3107; Gaz. vol. 137; p. 565.
- Spring-lid box. J. R. Sundee. No. 895,124; Aug. 4; Sp. p. 700; Dr. p. 146; Gaz. vol. 135; p. 1010.
- Spring-looping apparatus. N. S. Harter. No. 906,418; Dec. 8; Sp. p. 2530; Gaz. vol. 137; p. 1435.
- Spring-motor. K. J. Lathrop. No. 880,148; Feb. 25; Sp. p. 4661; Dr. p. 983; Gaz. vol. 132; p. 1691.
- Spring-motor. L. M. and H. F. Kerns. No. 887,946; May 19; Sp. p. 3275; Dr. p. 688; Gaz. vol. 134; p. 589.
- Spring, Pneumatic. W. C. McCullough. No. 904,352; Nov. 17; Sp. p. 3734; Gaz. vol. 137; p. 664.
- Spring-repairer. W. R. Petze. No. 899,468; Sept. 22; Sp. p. 4370; Dr. p. 938; Gaz. vol. 136; p. 809.
- Spring-retarding device. C. W. Kelsey. No. 905,540; Dec. 1; Sp. p. 873; Gaz. vol. 137; p. 1122.
- Spring-seat. H. Hirsh. No. 885,474; Apr. 21; Sp. p. 3703; Dr. p. 778; Gaz. vol. 133; p. 1840.
- Spring structure. W. R. Smith. No. 882,654; Mar. 24; Sp. p. 4301; Dr. p. 913; Gaz. vol. 133; p. 803.
- Spring structure. W. R. Smith. No. 891,873; June 30; Sp. p. 5481; Dr. p. 1184; Gaz. vol. 134; p. 2056.
- Spring-support. T. J. Fay and J. M. Ellsworth. No. 901,162; Oct. 13; Sp. p. 2267; Dr. p. 462; Gaz. vol. 136; p. 1455.
- Spring suspension. J. C. Whittle. No. 887,165; May 12; Sp. p. 1626; Dr. p. 346; Gaz. vol. 134; p. 299.
- Spring suspension. W. O. Worth. No. 897,694; Sept. 1; Sp. p. 918; Dr. p. 196; Gaz. vol. 136; p. 147.
- Spring-wheel. W. J. Phelan. No. 878,422; Feb. 4; Sp. p. 1060; Dr. p. 215; Gaz. vol. 132; p. 1023.
- Spring-wheel. H. T. Dunbar. No. 878,714; Feb. 11; Sp. p. 1750; Dr. p. 362; Gaz. vol. 132; p. 1154.
- Spring-wheel. S. S. Childs. No. 879,937; Feb. 11; Sp. p. 2176; Dr. p. 455; Gaz. vol. 132; p. 1225.
- Spring-wheel. H. E. Schindler. No. 882,348; Mar. 17; Sp. p. 3722; Dr. p. 791; Gaz. vol. 133; p. 670.
- Spring-wheel. H. E. Heaton. No. 885,342; Apr. 21; Sp. p. 3400; Dr. p. 721; Gaz. vol. 133; p. 1799.
- Spring-wheel. S. W. Higgins. No. 889,782; June 2; Sp. p. 1151; Dr. p. 267; Gaz. vol. 134; p. 1245.
- Spring-wheel. B. F. Diefenbaugh. No. 890,223; June 9; Sp. p. 2068; Dr. p. 454; Gaz. vol. 134; p. 1419.
- Spring-wheel. S. S. and W. Childs, Jr. No. 891,462; June 23; Sp. p. 4613; Dr. p. 1002; Gaz. vol. 134; p. 1889.
- Spring-wheel. G. Ferrando. No. 891,682; June 23; Sp. p. 5092; Dr. p. 1099; Gaz. vol. 134; p. 1961.
- Spring-wheel. H. Neubert. No. 894,526; July 28; Sp. p. 4482; Dr. p. 928; Gaz. vol. 135; p. 785.
- Spring-wheel. H. E. Heaton. No. 899,668; Sept. 29; Sp. p. 4798; Dr. p. 1027; Gaz. vol. 136; p. 911.
- Spring-wheel. J. E. Stannard. No. 901,751; Oct. 20; Sp. p. 3549; Dr. pp. 718-19; Gaz. vol. 136; p. 1687.
- Spring-wheel. S. S. Childs. No. 907,459; Dec. 22; Sp. p. 4569; Gaz. vol. 137; p. 1836.
- Springs, Apparatus for rolling spiral or helicoidal. C. O. Gustavsen. No. 907,594; Dec. 22; Sp. p. 4842; Gaz. vol. 137; p. 1879.
- Springs, Frame for supporting and confining coiled. J. P. Leggett. No. 887,664; May 12; Sp. p. 2700; Dr. p. 571; Gaz. vol. 134; p. 465.
- Springs, Machine for the manufacture of coiled. N. S. Harter. No. 882,385; Mar. 17; Sp. p. 3776; Dr. pp. 806-7; Gaz. vol. 133; p. 681.
- Springwork. J. A. Staples. No. 902,011; Oct. 27; Sp. p. 4076; Dr. p. 827; Gaz. vol. 136; p. 1800.
- Sprinkler: See Automatic sprinkler; Clothes-sprinkler; Lawn-sprinkler; Rotary sprinkler.
- Sprinkler. W. C. Matthias. No. 905,203; Dec. 1; Sp. p. 165; Gaz. vol. 137; p. 1010.
- Sprinkler apparatus, Automatic. E. L. Thompson. No. 893,033; July 14; Sp. p. 1318; Dr. p. 277; Gaz. vol. 135; p. 245.
- Sprinkler fender, Lawn-. W. Linhoff. No. 877,785; Jan. 28; Sp. p. 4272; Dr. p. 928; Gaz. vol. 132; p. 785.
- Sprinkler-head. V. Lapham. No. 887,201; May 12; Sp. p. 1694; Dr. p. 360; Gaz. vol. 134; p. 310.
- Sprinkler-head. J. A. Cass. No. 899,204; Sept. 22; Sp. p. 3878; Dr. p. 828; Gaz. vol. 136; p. 726.
- Sprinkler-head. C. Brent. No. 907,000; Dec. 15; Sp. p. 3626; Gaz. vol. 137; p. 1645.
- Sprinkler-head, Automatic. E. M. Cook. No. 877,551; Jan. 28; Sp. p. 3847; Dr. p. 832; Gaz. vol. 132; p. 712.
- Sprinkler-head stop. C. L. Grode. No. 890,356; June 9; Sp. p. 2358; Dr. p. 520; Gaz. vol. 134; p. 1462.
- Sprinkler-heads, Cover and drain attachment for. E. F. Cardell. No. 876,771; Jan. 14; Sp. p. 2206; Dr. pp. 485; Gaz. vol. 132; p. 391.
- Sprinkler-heads, Device for plugging. A. Y. Thornton and A. L. Munroe. No. 884,430; Apr. 14; Sp. p. 1534; Dr. p. 329; Gaz. vol. 133; p. 1468.
- Sprinkler, Lawn-. J. D. Humphrey and G. H. Atkins. No. 904,259; Nov. 17; Sp. p. 3533; Gaz. vol. 137; p. 632.
- Sprinkler, Open. W. Esty. No. 885,029; Apr. 21; Sp. p. 2785; Dr. p. 590; Gaz. vol. 133; p. 1695.
- Sprinkler system, Automatic. J. Fiddes and J. F. Watt. No. 877,707; Jan. 28; Sp. p. 4135; Dr. p. 895; Gaz. vol. 132; p. 760.
- Sprinkler system, Automatic. G. I. Rockwood. No. 894,904; Aug. 4; Sp. p. 237; Dr. p. 51; Gaz. vol. 135; p. 935.
- Sprinklers, Emergency-stopper for automatic. J. P. Casey and W. W. Thompson. No. 891,038; June 16; Sp. p. 3757; Dr. p. 820; Gaz. vol. 134; p. 1718.
- Sprinkling and fire-alarm system, Automatic. C. A. Jacoby. No. 880,889; Mar. 3; Sp. p. 827; Dr. pp. 175-6; Gaz. vol. 133; p. 139.
- Sprinkling apparatus, Road-. B. Kortas. No. 896,643; Aug. 18; Sp. p. 3693; Dr. pp. 793-4; Gaz. vol. 135; p. 1548.
- Sprinkling-can. J. L. Armstrong. No. 905,626; Dec. 1; Sp. p. 1030; Gaz. vol. 137; p. 1149.
- Sprinkling device. K. S. T. Björkman. No. 903,831; Nov. 17; Sp. p. 2611; Gaz. vol. 137; p. 485.

Alphabetical list of inventions—Continued.

- Sprinkling machine, Sand or other. N. St. Peter. No. 889,058; May 26; Sp. p. 5497; Dr. p. 1169; Gaz. vol. 134; p. 982.
- Sprocket chain and wheel, Ball. R. H. Bowman. No. 889,195; June 2; Sp. p. 15; Dr. p. 4; Gaz. vol. 134; p. 1059.
- Sprocket, Friction-. E. F. Hafelfinger. No. 886,601; May 5; Sp. p. 512; Dr. p. 110; Gaz. vol. 134; p. 92.
- Sprocket-wheel. F. J. Oakes. No. 905,744; Dec. 1; Sp. p. 1249; Gaz. vol. 137; p. 1187.
- Sprouting apparatus. F. A. Peters. No. 893,648; July 21; Sp. p. 2587; Dr. p. 539; Gaz. vol. 135; p. 475.
- Spur-center. J. E. De Marey. No. 891,602; June 23; Sp. p. 4898; Dr. p. 1056; Gaz. vol. 134; p. 1932.
- Spur, Riding-. D. W. Crowder. No. 877,886; Jan. 28; Sp. p. 4458; Dr. p. 972; Gaz. vol. 132; p. 817.
- Spur, Riding-. W. D. Miller. No. 883,897; Apr. 7; Sp. p. 463; Dr. p. 91; Gaz. vol. 133; p. 1265.
- Square. C. H. Stark. No. 884,773; Apr. 14; Sp. p. 2279; Dr. p. 479; Gaz. vol. 133; p. 1582.
- Square and calipers, Combined. W. Dissell. No. 888,070; May 19; Sp. p. 3503; Dr. p. 733; Gaz. vol. 134; p. 628.
- Square and drawing-board, T-. E. Werner. No. 892,103; June 30; Sp. p. 5917; Dr. p. 1275; Gaz. vol. 134; p. 2130.
- Square and siding-gage, Combined try-. W. J. Finn. No. 888,985; May 26; Sp. p. 5372; Dr. p. 1140; Gaz. vol. 134; p. 959.
- Square, Bevel-. M. Renner. No. 886,639; May 5; Sp. p. 583; Dr. p. 122; Gaz. vol. 134; p. 102.
- Square, Box-. W. A. McCormack. No. 894,683; July 28; Sp. p. 4802; Dr. p. 997; Gaz. vol. 135; p. 837.
- Square, Carpenter's. P. J. Cooley. No. 895,241; Aug. 4; Sp. p. 953; Dr. p. 199; Gaz. vol. 135; p. 1051.
- Square, Carpenter's bevel-. C. M. Hoeregott. No. 897,104; Aug. 25; Sp. p. 4698; Dr. pp. 1001-2; Gaz. vol. 135; p. 1725.
- Square, Center-. S. C. Hills. No. 894,498; July 28; Sp. p. 4433; Dr. p. 917; Gaz. vol. 135; p. 776.
- Square, Folding. A. G. Urban. No. 882,130; Mar. 17; Sp. p. 3289; Dr. p. 701; Gaz. vol. 133; p. 599.
- Square, Folding. H. D. Buys and J. M. Lyon. No. 883,783; Apr. 7; Sp. p. 202; Dr. p. 37; Gaz. vol. 133; p. 1226.
- Square, Folding. W. B. Seymour. No. 893,877; July 21; Sp. p. 3130; Dr. p. 642; Gaz. vol. 135; p. 550.
- Square, gage, and bevel, Combined. J. Kampe. No. 895,468; Aug. 11; Sp. p. 1401; Dr. p. 294; Gaz. vol. 135; p. 1148.
- Square, gage, and rule, Combined. A. C. Cowles. No. 885,226; Apr. 21; Sp. p. 3220; Dr. p. 672; Gaz. vol. 133; p. 1760.
- Square, Miter, try, and bevel. C. M. Justice. No. 888,173; May 19; Sp. p. 3700; Dr. pp. 771-2; Gaz. vol. 134; p. 660.
- Square, Separable. A. C. Waecker. No. 879,703; Feb. 18; Sp. p. 3737; Dr. p. 784; Gaz. vol. 132; p. 1514.
- Square, T-. E. Werner. No. 885,411; Apr. 21; Sp. p. 3597; Dr. p. 754; Gaz. vol. 133; p. 1821.
- Square, T-. E. Werner. No. 885,706; Apr. 21; Sp. p. 4178; Dr. p. 875; Gaz. vol. 133; p. 1912.
- Square, Try-. J. W. McCurdy. No. 883,041; Mar. 24; Sp. p. 5064; Dr. p. 1080; Gaz. vol. 133; p. 929.
- Square, Try-. J. F. Fry and C. W. Fisher. No. 900,995; Oct. 13; Sp. p. 1965; Dr. p. 400; Gaz. vol. 136; p. 1403.
- Square, Try and bevel. E. H. Horton. No. 894,832; Aug. 4; Sp. p. 68; Dr. p. 14; Gaz. vol. 135; p. 911.
- Squaring gage, Subject-. V. Royle. No. 890,181; June 9; Sp. p. 1982; Dr. pp. 437-8; Gaz. vol. 134; p. 1406.
- Squiggle. A. S. Emerson. No. 906,000; Dec. 8; Sp. p. 1753; Gaz. vol. 137; p. 1300.
- Squirrel-extermimator. A. P. Bellows. No. 884,888; Apr. 14; Sp. p. 2493; Dr. p. 526; Gaz. vol. 133; p. 1618.
- Stable attachment. S. R. Kimball. No. 883,204; Mar. 31; Sp. p. 5405; Dr. pp. 1151-2; Gaz. vol. 133; p. 1013.
- Stack construction, Form for. P. Head. No. 877,768; Jan. 28; Sp. p. 4242; Dr. p. 921; Gaz. vol. 132; p. 780.
- Stack-forming mechanism. G. Marshall. No. 894,515; July 28; Sp. p. 4461; Dr. p. 924; Gaz. vol. 135; p. 781.
- Stack-protecting apparatus, Grain-. J. P. A. Anderson. No. 881,453; Mar. 10; Sp. p. 1916; Dr. p. 416; Gaz. vol. 133; p. 350.
- Stacker. C. E. Lang. No. 884,505; Apr. 14; Sp. p. 1695; Dr. pp. 364-5; Gaz. vol. 133; p. 1492.
- Stacker. H. W. Blaisdell. No. 884,560; Apr. 14; Sp. p. 1802; Dr. pp. 387-8; Gaz. vol. 133; p. 1510.
- Stacker. J. L. Brim. No. 889,506; June 2; Sp. p. 636; Dr. p. 148; Gaz. vol. 134; p. 1158.
- Stacker. D. Barney. No. 892,023; June 30; Sp. p. 5770; Dr. p. 1241; Gaz. vol. 134; p. 2104.
- Stacker attachment, Wind-. G. W. R. and A. Kennel. No. 893,804; July 21; Sp. p. 2976; Dr. pp. 609-10; Gaz. vol. 135; p. 527.
- Stacker, Hay-. C. C. Denenny. No. 876,778; Jan. 14; Sp. p. 2219; Dr. pp. 487-8; Gaz. vol. 132; p. 394.
- Stacker, Hay-. S. E. Fowler. No. 883,633; Mar. 31; Sp. p. 6285; Dr. p. 1340; Gaz. vol. 133; p. 1150.
- Stacker, Hay-. G. L. Curtis. No. 888,003; May 19; Sp. p. 3384; Dr. p. 711; Gaz. vol. 134; p. 608.
- Stacker, Hay-. J. F. Bruhn. No. 888,219; May 19; Sp. p. 3782; Dr. pp. 793-4; Gaz. vol. 134; p. 676.
- Stacker, Hay-. J. Dain. No. 901,073; Oct. 13; Sp. p. 2106; Dr. pp. 429-30; Gaz. vol. 136; p. 1428.
- Stacker, Hay-. J. Dain. No. 901,156; Oct. 13; Sp. p. 2255; Dr. pp. 459-60; Gaz. vol. 136; p. 1454.
- Stacker, Hay-. J. A. Schertz. No. 902,610; Nov. 3; Sp. p. 161; Gaz. vol. 137; p. 27.
- Stacker, Pneumatic. E. J. Vraalstad. No. 876,115; Jan. 7; Sp. p. 841; Dr. p. 180; Gaz. vol. 132; p. 143.
- Stacker, Pneumatic. A. J. Ingilis. No. 878,530; Feb. 11; Sp. p. 1355; Dr. pp. 275-6; Gaz. vol. 132; p. 1092.
- Stacker, Pneumatic. L. M. Anderson. No. 888,571; May 26; Sp. p. 4500; Dr. pp. 953-4; Gaz. vol. 134; p. 824.
- Stacker, Pneumatic. J. K. Sharpe, Jr. No. 902,841; Nov. 3; Sp. p. 629; Gaz. vol. 137; p. 105.
- Stacker, Pneumatic straw-. S. B. and H. W. Smith. No. 891,299; June 23; Sp. p. 4279; Dr. p. 930; Gaz. vol. 134; p. 1835.
- Stacker, Straw-. E. G. Clymans and M. A. Flautt. No. 901,882; Oct. 20; Sp. p. 3786; Dr. pp. 770-1; Gaz. vol. 136; p. 1727.
- Stacker, Straw-. E. G. Clymans and A. M. Hess. No. 901,884; Oct. 20; Sp. p. 3792; Dr. p. 772; Gaz. vol. 136; p. 1728.
- Stacker, Straw-. W. F. MacGregor. No. 903,743; Nov. 10; Sp. p. 2407; Gaz. vol. 137; p. 423.
- Stacker, Swinging hay-. R. J. Sparks. No. 882,214; Mar. 17; Sp. p. 3452; Dr. pp. 734-5; Gaz. vol. 133; p. 624.
- Stackers, Fan for pneumatic. J. K. Sharpe, Jr. No. 902,842; Nov. 3; Sp. p. 632; Gaz. vol. 137; p. 105.
- Stacking-elevator, Portable. E. Hanak. No. 897,462; Sept. 1; Sp. p. 456; Dr. pp. 97-8; Gaz. vol. 136; p. 72.
- Stage apparatus. N. Burgess. No. 883,290; Mar. 31; Sp. p. 5592; Dr. p. 1192; Gaz. vol. 133; p. 1042.
- Stage effects, Means for producing theatrical. G. W. Hanlon. No. 883,953; Apr. 7; Sp. p. 580; Dr. p. 116; Gaz. vol. 133; p. 1284.
- Stage-pocket. G. L. Patterson. No. 901,034; Oct. 13; Sp. p. 2039; Dr. p. 414; Gaz. vol. 136; p. 1416.
- Stage-scenery-brace attachment. C. L. Hagen. No. 907,996; Dec. 29; Sp. p. 5721; Gaz. vol. 137; p. 2041.
- Stair. S. Grossman. No. 888,882; May 26; Sp. p. 5176; Dr. p. 1099; Gaz. vol. 134; p. 927.
- Stair. S. Grossman. No. 888,884; May 26; Sp. p. 5180; Dr. p. 1100; Gaz. vol. 134; p. 927.
- Stair. J. V. Matteson. No. 888,920; May 26; Sp. p. 5249; Dr. p. 1113; Gaz. vol. 134; p. 939.
- Stair-rod. A. Davis. No. 900,358; Oct. 6; Sp. p. 594; Dr. p. 123; Gaz. vol. 136; p. 1166.
- Stair-rod. W. G. Altland. No. 902,461; Oct. 27; Sp. p. 5015; Dr. pp. 1013-14; Gaz. vol. 136; p. 1946.
- Stair-tread. J. Kahn. No. 884,493; Apr. 14; Sp. p. 1675; Dr. p. 360; Gaz. vol. 133; p. 1489.
- Staircase. M. Kohn and S. S. Sugar. No. 903,730; Nov. 10; Sp. p. 2383; Gaz. vol. 137; p. 419.
- Staircase soffit structure. E. E. Schacher. No. 894,801; July 28; Sp. p. 5010; Dr. p. 1045; Gaz. vol. 135; p. 874.
- Stairway for fire-escapes, &c. J. M. Brazil. No. 878,863; Feb. 11; Sp. p. 2032; Dr. p. 420; Gaz. vol. 132; p. 1201.
- Stairway, Movable. F. E. Bessler. No. 897,870; Sept. 8; Sp. p. 1285; Dr. p. 275; Gaz. vol. 136; p. 235.
- Stairway, Moving. G. A. Wheeler. No. 888,949; May 26; Sp. p. 5308; Dr. pp. 1126-7; Gaz. vol. 134; p. 948.
- Stairway, Moving. G. A. Wheeler. No. 888,950; May 26; Sp. p. 5314; Dr. pp. 1127-8; Gaz. vol. 134; p. 948.
- Stairway, Moving. G. A. Wheeler. No. 899,933; Sept. 29; Sp. p. 5369; Dr. pp. 1145-6; Gaz. vol. 136; p. 998.
- Stairway, Moving spiral. G. A. Wheeler. No. 889,080; May 26; Sp. p. 5531; Dr. p. 1176; Gaz. vol. 134; p. 989.
- Stake-holder. A. J. Bostwick. No. 897,249; Aug. 25; Sp. p. 5088; Dr. p. 1062; Gaz. vol. 135; p. 1776.
- Stake-holder. A. J. Bostwick. No. 905,788; Dec. 1; Sp. p. 1328; Gaz. vol. 137; p. 1202.
- Stake, Supporting-. J. O. Ford. No. 904,769; Nov. 24; Sp. p. 4607; Gaz. vol. 137; p. 829.
- Stakes, Attaching means for. J. A. Toomey. No. 886,896; May 5; Sp. p. 1123; Dr. p. 235; Gaz. vol. 134; p. 184.
- Staking-tool. C. W. Colbert. No. 878,775; Feb. 11; Sp. p. 1869; Dr. p. 385; Gaz. vol. 132; p. 1173.
- Stalk-breaker. D. P. Shaw. No. 902,116; Oct. 27; Sp. p. 4282; Dr. p. 868; Gaz. vol. 136; p. 1833.
- Stalk-chopper. A. Canuteson and J. J. Ringness. No. 907,221; Dec. 22; Sp. p. 4085; Gaz. vol. 137; p. 1753.
- Stalk-cutter. W. H. Stoppel. No. 892,628; July 7; Sp. p. 459; Dr. p. 98; Gaz. vol. 135; p. 82.
- Stalk-cutter. H. Hestand and J. W. Willis. No. 904,328; Nov. 17; Sp. p. 3093; Gaz. vol. 137; p. 656.
- Stalk-cutter. F. R. Stillwell. No. 905,947; Dec. 8; Sp. p. 1643; Gaz. vol. 137; p. 1283.
- Stalk-puller, seeder, and pulverizer. R. J. Bogue. No. 891,661; June 23; Sp. p. 5050; Dr. pp. 1088-9; Gaz. vol. 134; p. 1954.
- Stalk-puller, seeder, and pulverizer. R. J. Bogue. No. 891,791; June 23; Sp. p. 5296; Dr. p. 1147; Gaz. vol. 134; p. 1999.
- Stall and manger, Combined cattle. W. D. James. No. 899,829; Sept. 29; Sp. p. 5142; Dr. p. 1100; Gaz. vol. 136; p. 965.
- Stall, Animal-. W. M. Underhill. No. 889,735; June 2; Sp. p. 1068; Dr. p. 247; Gaz. vol. 134; p. 1231.
- Stall, Temporary cattle-. J. J. McHugh and A. Wadman. No. 892,381; June 30; Sp. p. 6458; Dr. p. 1392; Gaz. vol. 134; p. 2222.
- Stalls, Sanitary floor for animal-. A. Turney. No. 880,700; Mar. 3; Sp. p. 411; Dr. p. 88; Gaz. vol. 133; p. 74.
- Stamp. C. S. Anderson. No. 876,677; Jan. 14; Sp. p. 2040; Dr. p. 445; Gaz. vol. 132; p. 362.
- Stamp. B. Kiam. No. 894,013; July 21; Sp. p. 3408; Dr. p. 697; Gaz. vol. 135; p. 595.
- Stamp-affixer. Z. T. Brown. No. 890,330; June 9; Sp. p. 2308; Dr. p. 510; Gaz. vol. 134; p. 1454.
- Stamp-affixer. F. L. Jennings. No. 891,701; June 23; Sp. p. 5123; Dr. p. 1106; Gaz. vol. 134; p. 1968.
- Stamp-affixer. G. B. Smith and I. Robbins. No. 902,179; Oct. 27; Sp. p. 4410; Dr. p. 894; Gaz. vol. 136; p. 1854.
- Stamp-affixer. F. L. Jennings. No. 903,576; Nov. 10; Sp. p. 2089; Gaz. vol. 137; p. 373.
- Stamp-affixer and envelop-sealer. F. L. Jennings. No. 891,702; June 23; Sp. p. 5126; Dr. p. 1107; Gaz. vol. 134; p. 1968.
- Stamp-affixing machine. W. C. Van Vliet. No. 875,968; Jan. 7; Sp. p. 546; Dr. pp. 116-19; Gaz. vol. 132; p. 96.
- Stamp-affixing machine. R. P. Dethmers. No. 879,151; Feb. 18; Sp. p. 2594; Dr. pp. 540-1; Gaz. vol. 132; p. 1333.
- Stamp-affixing machine. H. J. Wertzberger. No. 879,804; Feb. 18; Sp. p. 3915; Dr. pp. 820-1; Gaz. vol. 132; p. 1546.

Alphabetical list of inventions—Continued.

- Stamp-affixing machine. T. C. Gilbert and E. J. and J. T. Tabler. No. 904,948; Nov. 24; Sp. p. 4982; Gaz. vol. 137; p. 889.
 Stamp and label affixing apparatus. E. Goldschmidt. No. 879,627; Feb. 18; Sp. p. 3581; Dr. p. 750; Gaz. vol. 132; p. 1488.
 Stamp-applying machine. A. Fiala. No. 906,004; Dec. 8; Sp. p. 1757; Gaz. vol. 137; p. 1301.
 Stamp attachment, Printing-. M. E. Crowley. No. 891,150; June 16; Sp. p. 3946; Dr. p. 865; Gaz. vol. 134; p. 1752.
 Stamp, Automatic time-. F. Purdy. No. 882,166; Mar. 17; Sp. p. 3376; Dr. p. 718; Gaz. vol. 133; p. 610.
 Stamp, Dating-. B. B. Hill. No. 902,582; Nov. 3; Sp. p. 103; Gaz. vol. 137; p. 17.
 Stamp, Hand-. R. L. Lamb and E. M. Tilden. No. 880,225; Feb. 25; Sp. p. 4831; Dr. p. 1022; Gaz. vol. 132; p. 1719.
 Stamp, Hand-. J. W. Crouse and W. J. Barnett, Jr. No. 888,593; May 26; Sp. p. 4540; Dr. p. 963; Gaz. vol. 134; p. 832.
 Stamp, Hand-. T. J. Robison. No. 890,529; June 9; Sp. p. 2674; Dr. p. 590; Gaz. vol. 134; p. 1517.
 Stamp-holder. O. F. Jaeger. No. 886,115; Aug. 18; Sp. p. 2667; Dr. pp. 575-6; Gaz. vol. 135; p. 1379.
 Stamp-mill. F. I. Matthews. No. 891,497; June 23; Sp. p. 4687; Dr. p. 1015; Gaz. vol. 134; p. 1900.
 Stamp-mill. W. A. Merralls. No. 898,414; Sept. 8; Sp. p. 2364; Dr. p. 505; Gaz. vol. 136; p. 410.
 Stamp-mill guide-block. W. T. Byng. No. 882,624; Mar. 24; Sp. p. 4245; Dr. p. 899; Gaz. vol. 133; p. 794.
 Stamp-mill mortar-box. D. A. Bremner. No. 877,291; Jan. 21; Sp. p. 3305; Dr. pp. 715-16; Gaz. vol. 132; p. 605.
 Stamp-mill, Rotary. P. J. Lonergan. No. 897,214; Aug. 25; Sp. p. 4895; Dr. p. 1043; Gaz. vol. 135; p. 1759.
 Stamp-mill shafting. F. S. Kirkland. No. 885,259; Apr. 21; Sp. p. 3278; Dr. p. 684; Gaz. vol. 133; p. 1771.
 Stamp-mill tappet. M. P. Boss. No. 901,417; Oct. 20; Sp. p. 2825; Dr. p. 577; Gaz. vol. 136; p. 1576.
 Stamp, Ore-. W. B. Easton. No. 886,686; May 5; Sp. p. 692; Dr. p. 143; Gaz. vol. 134; p. 118.
 Stamp pad or tablet. A. Sutcliffe. No. 903,618; Nov. 10; Sp. p. 2183; Gaz. vol. 137; p. 386.
 Stamp, Self-arighting. E. A. Kirchner. No. 878,007; Feb. 4; Sp. p. 221; Dr. p. 48; Gaz. vol. 132; p. 887.
 Stamp, Time-. F. Purdy. No. 882,165; Mar. 17; Sp. p. 3370; Dr. p. 718; Gaz. vol. 133; p. 610.
 Stamp, Time-. G. E. Perry. No. 885,676; Apr. 21; Sp. p. 4116; Dr. p. 862; Gaz. vol. 133; p. 1902.
 Stamp, Time-. G. E. Perry. (Reissue). No. 12,843; Aug. 11; Sp. p. 2590; Dr. p. 563; Gaz. vol. 135; p. 1345.
 Stamp, Time-. F. Purdy. No. 901,469; Oct. 20; Sp. p. 2942; Dr. p. 601; Gaz. vol. 136; p. 1594.
 Stamp-vending machine, Coin-operated. W. V. R. Seltzer. No. 904,094; Nov. 17; Sp. p. 3163; Gaz. vol. 137; p. 574.
 Stamps and similar devices, Mechanism for affixing. E. Fidell. No. 878,514; Feb. 11; Sp. p. 1323; Dr. pp. 268-9; Gaz. vol. 132; p. 1086.
 Stamps, paper, and the like, Serving apparatus for postage-. V. Hegarty. No. 885,472; Apr. 21; Sp. p. 3697; Dr. p. 777; Gaz. vol. 133; p. 1840.
 Stamping and franking letters, telegrams, &c., Machine for use in. E. Moss. No. 897,004; Aug. 25; Sp. p. 4505; Dr. p. 963; Gaz. vol. 135; p. 1691.
 Stamping and grinding mill. T. M. Topp. No. 877,615; Jan. 28; Sp. p. 3974; Dr. p. 858; Gaz. vol. 132; p. 731.
 Stamping and numbering machine. E. W. Crossan. No. 902,378; Oct. 27; Sp. p. 4828; Dr. p. 976; Gaz. vol. 136; p. 1918.
 Stamping-clip. J. E. Tornquist. No. 888,367; May 19; Sp. p. 4063; Dr. p. 856; Gaz. vol. 134; p. 723.
 Stamping, dating, or numbering machine. I. Eyer. No. 904,120; Nov. 17; Sp. p. 3211; Gaz. vol. 137; p. 583.
 Stamping device. W. J. Collins. No. 893,447; July 14; Sp. p. 2137; Dr. pp. 448-9; Gaz. vol. 135; p. 370.
 Stamping instrument. J. V. Weekbaugh. No. 877,148; Jan. 21; Sp. p. 3020; Dr. pp. 653-4; Gaz. vol. 132; p. 558.
 Stamping machine. H. E. Johnson. No. 888,333; May 19; Sp. p. 3985; Dr. pp. 840-1; Gaz. vol. 134; p. 712.
 Stamping machine, Box-. R. Schilling. No. 904,811; Nov. 24; Sp. p. 4697; Gaz. vol. 137; p. 843.
 Stamping machine, Envelop-. O. M. Human. No. 878,396; Feb. 4; Sp. p. 1006; Dr. pp. 203-4; Gaz. vol. 132; p. 1014.
 Stamping machine, Envelop-. H. W. Buchanan. No. 884,263; Apr. 7; Sp. p. 1217; Dr. p. 256; Gaz. vol. 133; p. 1385.
 Stamping, numbering, or dating machine. I. Eyer. No. 893,470; July 14; Sp. p. 2190; Dr. p. 460; Gaz. vol. 135; p. 387.
 Stanchion. A. Torhorst. No. 884,962; Apr. 14; Sp. p. 2644; Dr. p. 562; Gaz. vol. 133; p. 1640.
 Stanchion. A. O'Connor. No. 903,225; Nov. 10; Sp. p. 1389; Gaz. vol. 137; p. 257.
 Stanchion. G. P. Youmans. No. 903,261; Nov. 10; Sp. p. 1459; Gaz. vol. 137; p. 269.
 Stanchion, Cattle-. L. T. Rasmussen. No. 876,588; Jan. 14; Sp. p. 1850; Dr. pp. 404-5; Gaz. vol. 132; p. 332.
 Stanchion, Cattle-. H. Siedschlag. No. 878,428; Feb. 4; Sp. p. 1070; Dr. p. 217; Gaz. vol. 132; p. 1024.
 Stanchion, Cattle-. W. Gutenkunst. No. 884,148; Apr. 7; Sp. p. 1015; Dr. p. 212; Gaz. vol. 133; p. 1348.
 Stanchion, Cattle-. D. E. Miles. No. 884,599; Apr. 14; Sp. p. 1890; Dr. p. 405; Gaz. vol. 133; p. 1523.
 Stanchion, Cattle-. L. C. Beebe. No. 885,711; Apr. 28; Sp. p. 4197; Dr. p. 878; Gaz. vol. 133; p. 1944.
 Stanchion, Cattle-. E. W. Johnson. No. 888,014; May 19; Sp. p. 3404; Dr. p. 716; Gaz. vol. 134; p. 611.
 Stanchion, Cattle-. W. H. Rodden and C. E. Gray. No. 889,045; May 26; Sp. p. 5473; Dr. p. 1164; Gaz. vol. 134; p. 978.
 Stanchion, Cattle-. F. Neumeister and H. C. Burhop. No. 901,366; Oct. 20; Sp. p. 2691; Dr. p. 552; Gaz. vol. 136; p. 1558.
 Stanchion, Cattle-. F. and C. Baker. No. 903,267; Nov. 10; Sp. p. 1472; Gaz. vol. 137; p. 271.
 Stand: See Adding-machine stand; Adjustable stand; Calendar-stand; Camera-stand; Collapsible stand; Desk-stand; Display-stand; Drum-stand; Electric-light stand; Folding stand; Hammock-stand; Jewelry-stand; Lamp-stand; Match-stand; Portable stand; Sewing-stand; Shoe-blackening stand; Smoker's stand; Switch-stand; Telephone-stand; Telephone desk-stand; Tool-stand; Trolley-stand; Toothpick-stand; Wringer-stand.
 Stand for holding manuscripts or writing or drawing patterns. O. Tzschachmann. No. 889,863; June 2; Sp. p. 1308; Dr. p. 300; Gaz. vol. 134; p. 1273.
 Stand-pipe. J. Henderson. No. 878,462; Feb. 4; Sp. p. 1138; Dr. p. 233; Gaz. vol. 132; p. 1035.
 Stand-pipe. F. N. Whitesell. No. 900,141; Oct. 6; Sp. p. 144; Dr. p. 30; Gaz. vol. 136; p. 1096.
 Standing-matter holder. E. Domsen and F. L. Kujawa. No. 883,302; Mar. 31; Sp. p. 5613; Dr. p. 1197; Gaz. vol. 133; p. 1046.
 Stannic chlorid, Apparatus for making. E. A. Sperry. No. 877,243; Jan. 21; Sp. p. 3216; Dr. p. 697; Gaz. vol. 132; p. 591.
 Stannic chlorid, Apparatus for producing. C. P. Townsend. No. 877,263; Jan. 21; Sp. p. 3263; Dr. p. 706; Gaz. vol. 132; p. 597.
 Stannic chlorid, Making. E. A. Sperry. No. 877,247; Jan. 21; Sp. p. 3227; Dr. p. 699; Gaz. vol. 132; p. 592.
 Stannic chlorid, Making. E. A. Sperry. No. 877,248; Jan. 21; Sp. p. 3231; Dr. p. 700; Gaz. vol. 132; p. 593.
 Stannic chlorid, Making. E. A. Sperry. No. 882,354; Mar. 17; Sp. p. 3732; Dr. p. 793; Gaz. vol. 133; p. 672.
 Stannic chlorid, Producing. C. P. Townsend. No. 877,261; Jan. 21; Sp. p. 3259; Dr. p. 705; Gaz. vol. 132; p. 597.
 Stannic chlorid, Purifying. E. A. Sperry. No. 877,244; Jan. 21; Sp. p. 3220; Dr. p. 697; Gaz. vol. 132; p. 591.
 Stannic chlorid, Purifying. C. P. Townsend. No. 877,262; Jan. 21; Sp. p. 3261; Dr. p. 705; Gaz. vol. 132; p. 597.
 Stannic-chlorid solutions, Electrolyzing aqueous. F. von Kugelgen and G. O. Seward. No. 883,140; Mar. 24; Sp. p. 5269; Gaz. vol. 133; p. 963.
 Stannic-chlorid solutions, Electrolyzing aqueous. F. von Kugelgen and G. O. Seward. No. 883,141; Mar. 24; Sp. p. 5270; Gaz. vol. 133; p. 963.
 Stannic oxid, Apparatus for making. H. Foersterling. No. 880,873; Mar. 3; Sp. p. 801; Dr. p. 170; Gaz. vol. 133; p. 134.
 Staple. F. R. White. No. 887,367; May 12; Sp. p. 2101; Dr. p. 441; Gaz. vol. 134; p. 368.
 Staple forming and discharging mechanism. Y. Hoxie. No. 879,965; Feb. 25; Sp. p. 4300; Dr. pp. 899-900; Gaz. vol. 132; p. 1633.
 Staple making and driving machine. O. Ashton. No. 899,093; Sept. 22; Sp. p. 3643; Dr. pp. 781-2; Gaz. vol. 136; p. 689.
 Staple-puller. G. Blood. No. 885,575; Apr. 21; Sp. p. 3924; Dr. p. 819; Gaz. vol. 133; p. 1570.
 Staple-tacker. M. D. Phelan. No. 883,824; Apr. 7; Sp. p. 300; Dr. pp. 56-7; Gaz. vol. 133; p. 1240.
 Stapling mechanism. G. W. Church. No. 881,900; Mar. 17; Sp. p. 2831; Dr. p. 605; Gaz. vol. 133; p. 524.
 Starch and making the same, Perfumed. W. J. Marshall. No. 890,824; June 9; Sp. p. 2661; Gaz. vol. 134; p. 1515.
 Starch, Apparatus for making thin boiling. T. E. Breyer. No. 881,105; Mar. 10; Sp. p. 1224; Dr. p. 263; Gaz. vol. 133; p. 237.
 Starch, Making thin boiling. T. E. Breyer. No. 881,104; Mar. 10; Sp. p. 1222; Dr. p. 263; Gaz. vol. 133; p. 237.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,913; Jan. 7; Sp. p. 453; Gaz. vol. 132; p. 81.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,914; Jan. 7; Sp. p. 454; Gaz. vol. 132; p. 81.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,915; Jan. 7; Sp. p. 454; Gaz. vol. 132; p. 82.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,916; Jan. 7; Sp. p. 455; Gaz. vol. 132; p. 82.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,917; Jan. 7; Sp. p. 456; Gaz. vol. 132; p. 82.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,918; Jan. 7; Sp. p. 457; Gaz. vol. 132; p. 82.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,919; Jan. 7; Sp. p. 457; Gaz. vol. 132; p. 82.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,920; Jan. 7; Sp. p. 458; Gaz. vol. 132; p. 82.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,921; Jan. 7; Sp. p. 459; Gaz. vol. 132; p. 82.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,922; Jan. 7; Sp. p. 460; Gaz. vol. 132; p. 82.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,923; Jan. 7; Sp. p. 461; Gaz. vol. 132; p. 83.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,924; Jan. 7; Sp. p. 461; Gaz. vol. 132; p. 83.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,925; Jan. 7; Sp. p. 462; Gaz. vol. 132; p. 83.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,926; Jan. 7; Sp. p. 462; Gaz. vol. 132; p. 83.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,927; Jan. 7; Sp. p. 463; Gaz. vol. 132; p. 83.
 Starch, Stabilized nitrated. F. B. Holmes. No. 875,928; Jan. 7; Sp. p. 463; Gaz. vol. 132; p. 83.
 Starching fabric. H. C. Miller. No. 887,683; May 12; Sp. p. 2732; Dr. p. 578; Gaz. vol. 134; p. 471.
 Starching-machine. W. H. H. Tracy. No. 879,926; Feb. 25; Sp. p. 4232; Dr. pp. 884-5; Gaz. vol. 132; p. 1621.
 Starching-machine. B. W. Jones. No. 880,455; Feb. 25; Sp. p. 3293; Dr. pp. 1113-14; Gaz. vol. 132; p. 1795.

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- Starter, Automatic self-. C. H. Miller. No. 905,734; Dec. 1; Sp. p. 1233; Gaz. vol. 137; p. 1183.
- Starting device. A. E. Nelson. No. 904,799; Nov. 24; Sp. p. 4671; Gaz. vol. 137; p. 839.
- Station-indicator. R. Toennes. No. 883,591; Mar. 31; Sp. p. 6208; Dr. p. 1323; Gaz. vol. 133; p. 1137.
- Station-indicator. C. W. Kincaid. No. 885,487; Apr. 21; Sp. p. 3725; Dr. pp. 783-4; Gaz. vol. 133; p. 1844.
- Station-indicator. C. Miller. No. 885,503; Apr. 21; Sp. p. 3754; Dr. p. 789; Gaz. vol. 133; p. 1849.
- Station-indicator. C. F. Billings. No. 887,579; May 12; Sp. p. 2537; Dr. p. 535; Gaz. vol. 134; p. 438.
- Station-indicator. B. R. Skinner. No. 895,118; Aug. 4; Sp. p. 690; Dr. p. 144; Gaz. vol. 135; p. 1008.
- Station-indicator. G. Ipson. No. 907,806; Dec. 29; Sp. p. 5320; Gaz. vol. 137; p. 1980.
- Station-indicators, Actuating mechanism for. H. L. Keeler. No. 903,728; Nov. 10; Sp. p. 2379; Gaz. vol. 137; p. 418.
- Stationery-holder. E. P. Lynch. No. 896,221; Aug. 18; Sp. p. 2858; Dr. p. 615; Gaz. vol. 135; p. 1413.
- Stationery novelty. W. W. McNaughton. No. 878,823; Feb. 11; Sp. p. 1956; Dr. p. 405; Gaz. vol. 132; p. 1188.
- Stationery-supply case. C. Fraas. No. 888,005; May 19; Sp. p. 3388; Dr. p. 712; Gaz. vol. 134; p. 609.
- Stay and fastener, Garment. L. W. Farris. No. 880,287; Feb. 25; Sp. p. 4955; Dr. p. 1047; Gaz. vol. 132; p. 1739.
- Stay-bolt, Flexible. H. A. Pike. No. 876,912; Jan. 14; Sp. p. 2481; Dr. p. 542; Gaz. vol. 132; p. 437.
- Stay for garments and the like. J. R. Dean. No. 901,426; Oct. 20; Sp. p. 2846; Dr. p. 581; Gaz. vol. 136; p. 1579.
- Stay, Garment-. D. Schuler. No. 892,689; July 7; Sp. p. 582; Dr. p. 125; Gaz. vol. 135; p. 102.
- Stay, Garment-. C. J. Hagen. No. 905,420; Dec. 1; Sp. p. 579; Gaz. vol. 137; p. 1083.
- Stay-roller. F. Shimerda. No. 881,626; Mar. 10; Sp. p. 2270; Dr. p. 492; Gaz. vol. 133; p. 408.
- Stay-strip. C. H. Crowell and G. W. Watson. No. 902,563; Nov. 3; Sp. p. 64; Gaz. vol. 137; p. 11.
- Stays, Making. J. Janowitz. No. 896,022; Aug. 11; Sp. p. 2496; Dr. p. 539; Gaz. vol. 135; p. 1327.
- Steak-shredder. R. F. Lawson. No. 887,662; May 12; Sp. p. 2697; Dr. p. 570; Gaz. vol. 134; p. 465.
- Steam and hot-water boiler formed of circular sections. W. M. Mackay. No. 881,137; Mar. 10; Sp. p. 1292; Dr. pp. 278-9; Gaz. vol. 133; p. 249.
- Steam and hot-water heater. J. E. Frost. No. 903,700; Nov. 10; Sp. p. 2335; Gaz. vol. 137; p. 410.
- Steam, Apparatus for the rapid generation of. G. R. Steward. No. 875,745; Jan. 7; Sp. p. 130; Dr. p. 29; Gaz. vol. 132; p. 26.
- Steam-boiler. C. D. Mosher. No. 876,477; Jan. 14; Sp. p. 1594; Dr. p. 343; Gaz. vol. 132; p. 292.
- Steam-boiler. C. D. Mosher. No. 876,478; Jan. 14; Sp. p. 1597; Dr. p. 343; Gaz. vol. 132; p. 293.
- Steam-boiler. C. D. Mosher. No. 876,479; Jan. 14; Sp. p. 1599; Dr. p. 344; Gaz. vol. 132; p. 293.
- Steam-boiler. W. H. Shafer. No. 877,601; Jan. 28; Sp. p. 3937; Dr. p. 851; Gaz. vol. 132; p. 727.
- Steam-boiler. I. Williams. No. 878,261; Feb. 4; Sp. p. 753; Dr. pp. 152-3; Gaz. vol. 132; p. 970.
- Steam-boiler. W. C. Pfeiffer. No. 878,892; Feb. 11; Sp. p. 2092; Dr. p. 435; Gaz. vol. 132; p. 1210.
- Steam-boiler. C. Harter. No. 879,961; Feb. 25; Sp. p. 4294; Dr. p. 898; Gaz. vol. 132; p. 1632.
- Steam-boiler. L. J. Tracy. No. 884,431; Apr. 14; Sp. p. 1536; Dr. p. 329; Gaz. vol. 133; p. 1468.
- Steam-boiler. W. H. Wood. No. 885,123; Apr. 21; Sp. p. 2990; Dr. p. 631; Gaz. vol. 133; p. 1725.
- Steam-boiler. J. A. Doornberger. No. 885,229; Apr. 21; Sp. p. 3224; Dr. p. 673; Gaz. vol. 133; p. 1761.
- Steam-boiler. L. S. Watres. No. 887,880; May 19; Sp. p. 3150; Dr. p. 663; Gaz. vol. 134; p. 567.
- Steam-boiler. J. Erwood. No. 893,910; July 21; Sp. p. 3197; Dr. pp. 657-8; Gaz. vol. 135; p. 562.
- Steam-boiler. J. N. Leach. No. 901,301; Oct. 13; Sp. p. 2542; Dr. p. 523; Gaz. vol. 136; p. 1499.
- Steam-boiler, Oil-burning. C. A. Hammel. No. 882,756; Mar. 24; Sp. p. 4502; Dr. p. 959; Gaz. vol. 133; p. 836.
- Steam-boiler, Sectional water-tube. H. Del Mar. No. 888,789; May 26; Sp. p. 4965; Dr. p. 1059; Gaz. vol. 134; p. 895.
- Steam-boiler, Tubular. C. Röhrs. No. 884,956; Apr. 14; Sp. p. 2632; Dr. pp. 556-7; Gaz. vol. 133; p. 1639.
- Steam-boiler, Water-tube-circulating. P. W. Burke. No. 899,948; Sept. 29; Sp. p. 5403; Dr. p. 1152; Gaz. vol. 136; p. 1003.
- Steam-cylinders or other revolving bodies, Steam fitting or joint for journals of rotary. A. Aldrich. No. 879,845; Feb. 25; Sp. p. 4019; Dr. p. 843; Gaz. vol. 132; p. 1593.
- Steam-drier. R. C. Hageman and G. C. Broderson. No. 876,347; Jan. 14; Sp. p. 1312; Dr. p. 283; Gaz. vol. 132; p. 249.
- Steam-engine. H. C. and L. S. Wolf. No. 876,758; Jan. 14; Sp. p. 2183; Dr. p. 479; Gaz. vol. 132; p. 387.
- Steam-engine. W. Krygowski. No. 878,543; Feb. 11; Sp. p. 1384; Dr. p. 284; Gaz. vol. 132; p. 1097.
- Steam-engine. W. H. Betts. No. 881,048; Mar. 3; Sp. p. 1110; Dr. p. 241; Gaz. vol. 133; p. 190.
- Steam-engine. R. E. Dean. No. 883,866; Apr. 7; Sp. p. 398; Dr. pp. 77-8; Gaz. vol. 133; p. 1254.
- Steam-engine. J. N. Leach. No. 884,097; Apr. 7; Sp. p. 867; Dr. pp. 182-3; Gaz. vol. 133; p. 1331.
- Steam-engine. J. H. Stick. No. 885,543; Apr. 21; Sp. p. 3860; Dr. p. 807; Gaz. vol. 133; p. 1861.
- Steam-engine. A. P. Dwigins. No. 885,670; Apr. 21; Sp. p. 4104; Dr. p. 859; Gaz. vol. 133; p. 1900.
- Steam-engine. E. H. Knapp. No. 889,622; June 2; Sp. p. 546; Dr. pp. 192-3; Gaz. vol. 134; p. 1196.
- Steam-engine. H. E. Lundgren. No. 889,703; June 2; Sp. p. 1012; Dr. pp. 233-4; Gaz. vol. 134; p. 1221.
- Steam-engine. R. Hay. No. 894,139; July 21; Sp. p. 3666; Dr. p. 758; Gaz. vol. 135; p. 637.
- Steam-engine. C. Ferrari. No. 896,524; Aug. 18; Sp. p. 3485; Dr. pp. 748-9; Gaz. vol. 135; p. 1512.
- Steam-engine. G. E. Riblet. No. 901,472; Oct. 20; Sp. p. 2950; Dr. pp. 692-3; Gaz. vol. 136; p. 1594.
- Steam equalizer and separator. D. M. Stott. No. 902,016; Oct. 27; Sp. p. 4087; Dr. p. 829; Gaz. vol. 136; p. 1802.
- Steam-generating apparatus. J. Milne. No. 877,355; Jan. 21; Sp. p. 3426; Dr. pp. 743-4; Gaz. vol. 132; p. 625.
- Steam-generating apparatus. E. Thomson. No. 892,196; June 30; Sp. p. 6109; Dr. pp. 1313-14; Gaz. vol. 134; p. 2162.
- Steam-generating apparatus. J. Atwood and G. Escher. No. 895,938; Aug. 11; Sp. p. 2313; Dr. p. 493; Gaz. vol. 135; p. 1299.
- Steam-generating apparatus. W. L. Rose. No. 904,152; Nov. 17; Sp. p. 3282; Gaz. vol. 137; p. 595.
- Steam-generating system. A. W. Bebbler. No. 893,699; July 21; Sp. p. 2675; Dr. p. 561; Gaz. vol. 135; p. 491.
- Steam-generator. F. Hecht. No. 877,334; Jan. 21; Sp. p. 3391; Dr. p. 735; Gaz. vol. 132; p. 619.
- Steam-generator. W. L. Jones. No. 877,343; Jan. 21; Sp. p. 3403; Dr. p. 738; Gaz. vol. 132; p. 621.
- Steam-generator. J. Blake. No. 878,330; Feb. 4; Sp. p. 889; Dr. p. 178; Gaz. vol. 132; p. 992.
- Steam-generator. H. Del Mar. No. 878,942; Feb. 11; Sp. p. 2182; Dr. p. 456; Gaz. vol. 132; p. 1226.
- Steam-generator. J. Van Oosterwyck. No. 879,502; Feb. 18; Sp. p. 3305; Dr. p. 691; Gaz. vol. 132; p. 1448.
- Steam-generator. J. M. Clark. No. 881,057; Mar. 3; Sp. p. 1123; Dr. pp. 243-4; Gaz. vol. 133; p. 192.
- Steam-generator. H. Del Mar. No. 883,095; Mar. 24; Sp. p. 5166; Dr. p. 1103; Gaz. vol. 133; p. 947.
- Steam-generator. H. E. Penney. No. 883,229; Mar. 31; Sp. p. 5465; Dr. p. 1164; Gaz. vol. 133; p. 1022.
- Steam-generator. G. W. Jessup, Jr. No. 883,407; Mar. 31; Sp. p. 5840; Dr. pp. 1245-6; Gaz. vol. 133; p. 1080.
- Steam-generator. J. C. Parker. No. 890,090; June 9; Sp. p. 1786; Dr. pp. 395-6; Gaz. vol. 134; p. 1375.
- Steam-generator. F. N. Tilton. No. 895,514; Aug. 11; Sp. p. 1484; Dr. pp. 313-14; Gaz. vol. 135; p. 1164.
- Steam-generator burner. F. E. and F. O. Stanley. No. 893,668; July 21; Sp. p. 2627; Dr. p. 550; Gaz. vol. 135; p. 482.
- Steam-generator junction-box. J. C. Parker. No. 886,631; May 5; Sp. p. 573; Dr. p. 120; Gaz. vol. 134; p. 101.
- Steam-generators, Mud-collector for. H. Poron. No. 891,731; June 23; Sp. p. 5174; Dr. p. 1117; Gaz. vol. 134; p. 1976.
- Steam-heater. G. R. Nixon. No. 888,451; May 19; Sp. p. 4251; Dr. p. 900; Gaz. vol. 134; p. 752.
- Steam-heating system. C. T. Ammon. No. 904,499; Nov. 24; Sp. p. 4049; Gaz. vol. 137; p. 739.
- Steam-meter. C. E. Sargent. No. 883,670; Mar. 31; Sp. p. 6370; Dr. pp. 1358-9; Gaz. vol. 133; p. 1162.
- Steam-meter. C. E. Sargent. No. 886,255; Apr. 28; Sp. p. 5290; Dr. pp. 1114-15; Gaz. vol. 133; p. 2123.
- Steam or hot-water boiler. C. F. Bachler. No. 890,487; June 9; Sp. p. 2588; Dr. pp. 573-4; Gaz. vol. 134; p. 1502.
- Steam-pipes, cylinders, &c., Means for covering. W. I. Sutcliffe. No. 896,171; Aug. 13; Sp. p. 2757; Dr. p. 593; Gaz. vol. 135; p. 1395.
- Steam power and heating apparatus, Combined. E. F. Osborne. No. 894,897; Aug. 4; Sp. p. 203; Dr. pp. 45-8; Gaz. vol. 135; p. 933.
- Steam-radiator heater, Portable. W. K. Kinnear. No. 894,445; July 28; Sp. p. 4355; Dr. pp. 893-4; Gaz. vol. 135; p. 759.
- Steam-regenerator. A. C. E. Rateau. No. 884,610; Apr. 14; Sp. p. 1908; Dr. p. 410; Gaz. vol. 133; p. 1328.
- Steam regenerator, Exhaust-. F. Draper and O. L. Curtiss. No. 886,044; Apr. 28; Sp. p. 4911; Dr. pp. 1032-3; Gaz. vol. 133; p. 2054.
- Steam-separator. W. E. Stanley. No. 890,537; June 9; Sp. p. 2690; Dr. p. 593; Gaz. vol. 134; p. 1520.
- Steam-service controlling and recording apparatus. G. M. Hilger. No. 900,540; Oct. 6; Sp. p. 1005; Dr. pp. 204-5; Gaz. vol. 136; p. 1227.
- Steam-shovel. J. J. Benedick. No. 876,517; Jan. 14; Sp. p. 1694; Dr. p. 369; Gaz. vol. 132; p. 307.
- Steam-shovel. W. M. Gross. No. 892,829; July 7; Sp. p. 866; Dr. pp. 185-7; Gaz. vol. 135; p. 147.
- Steam-shovel. C. H. Wolfe. No. 898,618; Sept. 15; Sp. p. 2773; Dr. p. 592; Gaz. vol. 136; p. 508.
- Steam-shovel. C. F. Hinkley. No. 901,101; Oct. 13; Sp. p. 2166; Dr. pp. 440-1; Gaz. vol. 136; p. 1436.
- Steam-superheater. M. Prager and E. L. Hayden. No. 880,399; Feb. 25; Sp. p. 5167; Dr. p. 1090; Gaz. vol. 132; p. 1775.
- Steam-superheater. J. N. Stern. No. 886,087; Apr. 28; Sp. p. 4979; Dr. p. 1047; Gaz. vol. 133; p. 2068.
- Steam superheating apparatus. E. F. Osborne. No. 889,147; May 26; Sp. p. 5691; Dr. p. 1205; Gaz. vol. 134; p. 1010.
- Steam-tight joint for rotary rods. J. S. Chambers. No. 888,064; May 19; Sp. p. 3490; Dr. p. 731; Gaz. vol. 134; p. 626.
- Steam-trap. D. Arthur. No. 879,997; Feb. 25; Sp. p. 4357; Dr. p. 913; Gaz. vol. 132; p. 1643.
- Steam-trap. G. Lüsebrink. No. 880,087; Feb. 25; Sp. p. 4542; Dr. p. 956; Gaz. vol. 132; p. 1672.
- Steam-trap. I. and E. Mayer. No. 882,400; Mar. 17; Sp. p. 3800; Dr. pp. 811-12; Gaz. vol. 133; p. 686.
- Steam-trap. J. E. Swendeman. No. 884,626; Apr. 14; Sp. p. 1935; Dr. pp. 415-16; Gaz. vol. 133; p. 1531.
- Steam-trap. F. Duffy. No. 884,724; Apr. 14; Sp. p. 2171; Dr. p. 461; Gaz. vol. 133; p. 1566.

Alphabetical list of inventions—Continued.

- Steam-trap. R. Warg. No. 889,648; June 2; Sp. p. 891; Dr. p. 205; Gaz. vol. 134; p. 1204.
 Steam-trap. J. Collis. No. 891,526; June 23; Sp. p. 4753; Dr. p. 1029; Gaz. vol. 134; p. 1910.
 Steam-trap. J. M. Schumate. No. 892,766; July 7; Sp. p. 729; Dr. p. 154; Gaz. vol. 135; p. 126.
 Steam-trap. J. T. Lindstrom. No. 894,021; July 21; Sp. p. 3439; Dr. p. 703; Gaz. vol. 135; p. 599.
 Steam-trap. R. L. Wales. No. 895,702; Aug. 11; Sp. p. 1847; Dr. p. 392; Gaz. vol. 135; p. 1224.
 Steam-trap. E. Eisentraut and F. Vieler. No. 895,989; Aug. 11; Sp. p. 2434; Dr. p. 523; Gaz. vol. 135; p. 1317.
 Steam-trap. E. Eisentraut and F. Vieler. No. 895,990; Aug. 11; Sp. p. 2435; Dr. pp. 523-4; Gaz. vol. 135; p. 1317.
 Steam-trap. C. E. Fagan. No. 896,815; Aug. 25; Sp. p. 4072; Dr. p. 876; Gaz. vol. 135; p. 1628.
 Steam-trap. W. F. Sayles. No. 897,022; Aug. 25; Sp. p. 4547; Dr. p. 971; Gaz. vol. 135; p. 1698.
 Steam-trap. C. E. Vance. No. 900,329; Oct. 6; Sp. p. 547; Dr. p. 113; Gaz. vol. 136; p. 1158.
 Steam-trap. A. L. Riggs. No. 901,190; Oct. 13; Sp. p. 2316; Dr. p. 475; Gaz. vol. 136; p. 1464.
 Steam-trap. T. R. Whittaker. No. 902,355; Oct. 27; Sp. p. 4794; Dr. p. 967; Gaz. vol. 136; p. 1912.
 Steam-trap. L. Hand. No. 905,517; Dec. 1; Sp. p. 827; Gaz. vol. 137; p. 1115.
 Steam-trap. J. C. Bourne and G. H. Rees. No. 907,675; Dec. 22; Sp. p. 5053; Dr. p. 137; p. 1905.
 Steam-trap for radiators. F. L. Watson. No. 902,126; Oct. 27; Sp. p. 4298; Dr. p. 871; Gaz. vol. 136; p. 1836.
 Steam-trap. Return. H. V. Pearce. No. 902,321; Oct. 27; Sp. p. 4713; Dr. p. 954; Gaz. vol. 136; p. 1900.
 Steamer, Grain-. K. Dougan. No. 900,836; Oct. 13; Sp. p. 1633; Dr. p. 330; Gaz. vol. 136; p. 1352.
 Steamer, Head and face. R. M. Henry and W. Hester. No. 896,538; Aug. 18; Sp. p. 3507; Dr. p. 753; Gaz. vol. 135; p. 1516.
 Steamer, Wheel-. K. Dougan. No. 891,468; June 23; Sp. p. 4623; Dr. p. 1004; Gaz. vol. 134; p. 1890.
 Steaming and pressing machine, Clothes. G. E. Tarbox. No. 880,934; Mar. 3; Sp. p. 907; Dr. p. 195; Gaz. vol. 133; p. 153.
 Steaming apparatus. J. Hall. No. 887,628; May 12; Sp. p. 2632; Dr. pp. 554-5; Gaz. vol. 134; p. 454.
 Steaming apparatus. H. E. Belz. No. 902,366; Oct. 27; Sp. p. 4813; Dr. p. 972; Gaz. vol. 136; p. 1916.
 Steamship. A. M. Hurel. No. 888,503; May 26; Sp. p. 4355; Dr. p. 922; Gaz. vol. 134; p. 799.
 Steel. R. H. Hilingworth. No. 882,112; Mar. 17; Sp. p. 3262; Gaz. vol. 133; p. 593.
 Steel and like metal, Making articles of manganese. W. G. Nichols. No. 888,253; May 19; Sp. p. 3844; Dr. pp. 807-8; Gaz. vol. 134; p. 688.
 Steel by the pneumatic process, Manufacture of. A. Tropenas. No. 880,253; Feb. 25; Sp. p. 4882; Dr. p. 1032; Gaz. vol. 132; p. 1728.
 Steel, Cementation of. C. Davis. No. 876,862; Jan. 14; Sp. p. 2379; Dr. p. 519; Gaz. vol. 132; p. 420.
 Steel, Composition of matter employed for hardening and tempering. B. J. Casterline. No. 879,518; Feb. 18; Sp. p. 3339; Gaz. vol. 132; p. 1453.
 Steel-faced articles, Making. F. Krabbe. No. 907,374; Dec. 22; Sp. p. 4385; Gaz. vol. 137; p. 1806.
 Steel from chromiferous pig-iron, Manufacturing. F. D. Carney. No. 902,052; Oct. 27; Sp. p. 4156; Gaz. vol. 136; p. 1813.
 Steel, Hardening. W. A. Painter. No. 882,162; Mar. 17; Sp. p. 3364; Gaz. vol. 133; p. 609.
 Steel, Hardening and tempering. B. J. Casterline. No. 879,517; Feb. 18; Sp. p. 3335; Gaz. vol. 132; p. 1453.
 Steel, Hardening and toughening. J. Churchward. No. 888,698; Apr. 7; Sp. p. 47; Gaz. vol. 133; p. 1200.
 Steel ingots and the like, Treating. B. Talbot. No. 887,286; May 12; Sp. p. 1920; Gaz. vol. 134; p. 340.
 Steel, Manufacture of small. A. Rudgear. No. 890,934; June 16; Sp. p. 3547; Dr. p. 774; Gaz. vol. 134; p. 1683.
 Steel, Manufacture of. S. Stapleford and J. F. Wagner. No. 902,010; Oct. 27; Sp. p. 4076; Gaz. vol. 136; p. 1800.
 Steel, Manufacturing. J. W. Maxwell. No. 900,554; Oct. 6; Sp. p. 1063; Gaz. vol. 136; p. 1235.
 Steel, Manufacturing. W. R. Walker. No. 906,757; Dec. 15; Sp. p. 3180; Gaz. vol. 137; p. 1570.
 Steel or other metal, wool, Apparatus for manufacturing. H. C. Gamage. No. 881,852; Mar. 10; Sp. p. 2695; Dr. pp. 576-8; Gaz. vol. 133; p. 479.
 Steel, Preparing ores for use in the manufacture of. E. B. Clark. No. 887,379; May 12; Sp. p. 2150; Dr. p. 450; Gaz. vol. 134; p. 371.
 Steel sheet, Composite coated. E. Norton. No. 896,751; Aug. 25; Sp. p. 3935; Dr. p. 848; Gaz. vol. 135; p. 1606.
 Steel sheets, Apparatus for oxidizing. W. M. Blecker. No. 892,929; July 7; Sp. p. 1086; Dr. p. 228; Gaz. vol. 135; p. 180.
 Steel sheets, Oxidizing. W. M. Blecker. No. 892,971; July 7; Sp. p. 1162; Dr. p. 245; Gaz. vol. 135; p. 195.
 Steel tank. O. K. Harry. No. 882,678; Mar. 24; Sp. p. 4350; Dr. p. 925; Gaz. vol. 133; p. 811.
 Steels, Heat treatment and quenching of alloyed. J. Churchward. No. 899,713; Sept. 29; Sp. p. 4883; Dr. p. 1048; Gaz. vol. 136; p. 925.
 Steels, Producing alloyed. J. Churchward. No. 884,009; Apr. 7; Sp. p. 689; Dr. p. 139; Gaz. vol. 133; p. 1302.
 Steering apparatus. H. S. Albrecht. No. 906,089; Dec. 8; Sp. p. 1919; Gaz. vol. 137; p. 1328.
 Steering-apparatus control mechanism. F. M. Leavitt. No. 901,355; Oct. 20; Sp. p. 2668; Dr. p. 547; Gaz. vol. 136; p. 1554.
 Steering device for power-boats. J. A. Garrett. No. 882,821; Mar. 24; Sp. p. 4627; Dr. p. 987; Gaz. vol. 133; p. 857.
 Steering device for sleds. H. L. Hoard. No. 905,314; Dec. 1; Sp. p. 357; Gaz. vol. 137; p. 1045.
 Steering-gear. A. P. Brush. No. 886,938; May 5; Sp. p. 1197; Dr. p. 254; Gaz. vol. 134; p. 199.
 Steering-gear. E. J. Schoening. No. 887,701; May 12; Sp. p. 2760; Dr. p. 583; Gaz. vol. 134; p. 478.
 Steering-gear. T. Mayhew. No. 896,844; Aug. 25; Sp. p. 4146; Dr. p. 888; Gaz. vol. 135; p. 1639.
 Steering-gear. D. W. Smith. No. 898,278; Sept. 8; Sp. p. 2109; Dr. p. 449; Gaz. vol. 136; p. 365.
 Steering-gear. H. C. Clay. No. 904,407; Nov. 17; Sp. p. 3833; Gaz. vol. 137; p. 682.
 Steering-gear for boats. E. C. Akers. No. 885,312; Apr. 21; Sp. p. 3392; Dr. p. 709; Gaz. vol. 133; p. 1789.
 Steering-gear for ships. H. Penton. No. 884,282; Apr. 7; Sp. p. 1262; Dr. p. 265; Gaz. vol. 133; p. 1394.
 Steering-mast support, Adjustable. E. Gruenfeldt. No. 905,175; Dec. 1; Sp. p. 105; Gaz. vol. 137; p. 1000.
 Steering mechanism. J. G. Maxwell. No. 898,249; Sept. 8; Sp. p. 2065; Dr. p. 438; Gaz. vol. 136; p. 356.
 Steering-rod connection. J. F. Skirrow. No. 885,878; Apr. 28; Sp. p. 4544; Dr. p. 953; Gaz. vol. 133; p. 2000.
 Steering steamships and other vessels, Apparatus for. J. S. Clarke. No. 891,795; June 23; Sp. p. 5307; Dr. p. 1149; Gaz. vol. 134; p. 2000.
 Steering-wheel. R. W. Lowell. No. 881,324; Mar. 10; Sp. p. 1661; Dr. p. 356; Gaz. vol. 133; p. 310.
 Steering-wheel, Adjustable. P. F. G. Hall. No. 905,871; Dec. 8; Sp. p. 1503; Gaz. vol. 137; p. 1259.
 Steering-wheel, Heated. C. Berg. No. 878,708; Feb. 11; Sp. p. 1740; Dr. p. 360; Gaz. vol. 132; p. 1152.
 Stencil and frame. R. S. Bolger. No. 881,173; Mar. 10; Sp. p. 1355; Dr. p. 292; Gaz. vol. 133; p. 260.
 Stencil and frame. R. S. Bolger. No. 881,174; Mar. 10; Sp. p. 1357; Dr. p. 292; Gaz. vol. 133; p. 261.
 Stencil apparatus. E. H. Koening. No. 903,989; Nov. 17; Sp. p. 2950; Gaz. vol. 137; p. 538.
 Stencil-holder. F. J. Weber, Jr. No. 877,972; Feb. 4; Sp. p. 151; Dr. p. 34; Gaz. vol. 132; p. 874.
 Stenciling-machine. C. Gibbs. No. 879,818; Feb. 18; Sp. p. 3956; Dr. p. 828; Gaz. vol. 132; p. 1551.
 Stenciling-machine. S. T. Smith, Jr. No. 881,448; Mar. 10; Sp. p. 1907; Dr. p. 415; Gaz. vol. 133; p. 348.
 Stenciling-machine. A. J. Smith. No. 886,290; Apr. 28; Sp. p. 5301; Dr. p. 1116; Gaz. vol. 133; p. 2125.
 Stenciling-machine. E. F. Kunath. No. 886,932; May 5; Sp. p. 1293; Dr. p. 272; Gaz. vol. 134; p. 215.
 Stenciling-machine. S. T. Smith, Jr. No. 887,438; May 12; Sp. p. 2264; Dr. p. 474; Gaz. vol. 134; p. 391.
 Stenciling-machine. C. Gibbs. No. 889,876; June 2; Sp. p. 1336; Dr. p. 305; Gaz. vol. 134; p. 1277.
 Stenciling-machine. S. T. Smith, Jr. No. 890,806; June 16; Sp. p. 3280; Dr. pp. 720-1; Gaz. vol. 134; p. 1643.
 Stenciling-machine. S. T. Smith, Jr. No. 890,807; June 16; Sp. p. 3292; Dr. p. 721; Gaz. vol. 134; p. 1643.
 Stenciling-machine. B. P. Fortin. No. 891,766; June 23; Sp. p. 5239; Dr. pp. 1135-6; Gaz. vol. 134; p. 1989.
 Stenographing-machine. R. Duchesne. No. 877,179; Jan. 21; Sp. p. 3091; Dr. pp. 668-9; Gaz. vol. 132; p. 568.
 Stentering-machine. A. A. Whitley. No. 880,946; Mar. 3; Sp. p. 923; Dr. pp. 199-200; Gaz. vol. 133; p. 156.
 Step, Extension-. E. V. Wells. No. 894,088; July 21; Sp. p. 3566; Dr. p. 734; Gaz. vol. 135; p. 622.
 Step, Extension-. F. X. Yung. No. 899,151; Sept. 22; Sp. p. 3771; Dr. p. 808; Gaz. vol. 136; p. 709.
 Stereopticon-lanterns, Slide-carrier for. C. W. Finch. No. 893,714; July 21; Sp. p. 2702; Dr. p. 567; Gaz. vol. 135; p. 496.
 Stereoscope. E. E. Clark. No. 876,329; Jan. 14; Sp. p. 1279; Dr. p. 278; Gaz. vol. 132; p. 243.
 Stereoscope. E. E. Clark and H. A. Douglas. No. 880,481; Feb. 25; Sp. p. 5352; Dr. p. 1128; Gaz. vol. 132; p. 1801.
 Stereoscope. E. F. Crocker and A. B. Payne. No. 907,973; Dec. 29; Sp. p. 5660; Gaz. vol. 137; p. 2033.
 Stereotype. M. A. McKee. No. 885,948; Apr. 28; Sp. p. 4706; Dr. p. 990; Gaz. vol. 133; p. 2024.
 Stereotype-bases, Producing. J. L. Lee. No. 901,111; Oct. 13; Sp. p. 2184; Dr. pp. 443-4; Gaz. vol. 136; p. 1439.
 Stereotype-plate-casting apparatus. H. F. Bechman. No. 899,374; Sept. 22; Sp. p. 4205; Dr. p. 900; Gaz. vol. 136; p. 780.
 Stereotype-plates, Apparatus for casting curved. R. C. Annand. No. 887,372; May 12; Sp. p. 2109; Dr. pp. 442-5; Gaz. vol. 134; p. 369.
 Stereotype-plates, Apparatus for finishing. C. E. Hopkins. No. 877,775; Jan. 28; Sp. p. 4256; Dr. pp. 923-5; Gaz. vol. 132; p. 782.
 Stereotype-plates, Casting of curved. R. C. Annand. No. 887,732; May 12; Sp. p. 2822; Dr. pp. 597-8; Gaz. vol. 134; p. 490.
 Stereotyping-machine. R. C. Annand. No. 887,373; May 12; Sp. p. 2122; Dr. pp. 446-8; Gaz. vol. 134; p. 370.
 Stereotyping-machine. A. L. Case. No. 902,941; Nov. 3; Sp. p. 824; Gaz. vol. 137; p. 136.
 Sterilizers, Making. A. Engle. No. 895,353; Aug. 4; Sp. p. 1155; Gaz. vol. 135; p. 1087.
 Sterilizing. E. P. Beckwith. No. 881,533; Mar. 10; Sp. p. 2068; Dr. p. 452; Gaz. vol. 133; p. 376.
 Sterilizing apparatus. E. Kronman. No. 883,463; Mar. 31; Sp. p. 5961; Dr. pp. 1271-2; Gaz. vol. 134; p. 1099.
 Sterilizing apparatus, Food-. L. Hilaire. No. 880,452; Feb. 25; Sp. p. 5282; Dr. p. 1111; Gaz. vol. 132; p. 1794.
 Sterilizing-cabinet. J. M. Allspaw. No. 891,758; June 23; Sp. p. 5224; Dr. pp. 1131-2; Gaz. vol. 134; p. 1986.
 Sterilizing foods or organic compounds. C. C. L. G. Budd. No. 877,703; Jan. 28; Sp. p. 4128; Gaz. vol. 132; p. 759.
 Stethoscope. D. O. Fosgate. No. 875,795; Jan. 7; Sp. p. 228; Dr. p. 49; Gaz. vol. 132; p. 42.
 Stethode-rig. J. Knuppel. No. 900,685; Oct. 6; Sp. p. 1324; Dr. p. 270; Gaz. vol. 136; p. 1276.
 Sticker-head attachment. J. Kridler. No. 897,210; Aug. 25; Sp. p. 4890; Dr. p. 1042; Gaz. vol. 135; p. 1758.

Alphabetical list of inventions—Continued.

- Sticking-plaster box or holder. C. Hoffman-Pinther. No. 885,048; Apr. 21; Sp. p. 2826; Dr. p. 598; Gaz. vol. 133; p. 1702.
- Stiffening device. W. W. Johnson. No. 894,209; July 28; Sp. p. 3833; Dr. p. 794; Gaz. vol. 135; p. 681.
- Stiffening-strip. A. A. Ackerman. No. 902,194; Oct. 27; Sp. p. 4438; Dr. p. 898; Gaz. vol. 136; p. 1858.
- Still. L. V. Sone. No. 877,605; Jan. 28; Sp. p. 3947; Dr. p. 853; Gaz. vol. 132; p. 728.
- Still. L. V. Sone. No. 877,606; Jan. 28; Sp. p. 3950; Dr. p. 854; Gaz. vol. 132; p. 729.
- Still for extracting turpentine from gum and rosin. G. F. Williamson. No. 878,701; Feb. 11; Sp. p. 1720; Dr. pp. 355-6; Gaz. vol. 132; p. 1149.
- Still for treating recovered grease. C. Ellis. No. 896,093; Aug. 18; Sp. p. 2621; Dr. p. 568; Gaz. vol. 135; p. 1372.
- Still, Hydrocarbon-. T. H. Ellis. No. 885,148; Apr. 21; Sp. p. 3047; Dr. p. 641; Gaz. vol. 133; p. 1734.
- Still, Multiple-condenser water-. J. A. Power. No. 878,744; Feb. 11; Sp. p. 1800; Dr. p. 373; Gaz. vol. 132; p. 1162; Still, Turpentine-. E. E. Quinker. No. 900,203; Oct. 6; Sp. p. 276; Dr. p. 55; Gaz. vol. 136; p. 1117.
- Still, Water-. A. R. Bailey. No. 882,811; Mar. 24; Sp. p. 4609; Dr. p. 983; Gaz. vol. 133; p. 854.
- Stilt. O. Scherer. No. 887,434; May 12; Sp. p. 2258; Dr. p. 473; Gaz. vol. 134; p. 390.
- Stilt. O. Scherer. No. 887,435; May 12; Sp. p. 2258; Dr. p. 473; Gaz. vol. 134; p. 390.
- Stilt. J. F. McCormick. No. 894,684; July 28; Sp. p. 4803; Dr. pp. 997-8; Gaz. vol. 135; p. 838.
- Stilt, Adjustable. T. B. Garretson. No. 891,923; June 30; Sp. p. 5578; Dr. p. 1202; Gaz. vol. 134; p. 2073.
- Stirring mechanism. J. J. Stehling. No. 904,655; Nov. 24; Sp. p. 4358; Gaz. vol. 137; p. 791.
- Stirrurp. J. M. Easterwood. No. 877,062; Jan. 21; Sp. p. 2840; Dr. p. 613; Gaz. vol. 132; p. 529.
- Stirrurp. W. D. Miller. No. 887,005; May 5; Sp. p. 1324; Dr. p. 279; Gaz. vol. 134; p. 220.
- Stirrurp. K. F. Ebel. No. 888,699; May 26; Sp. p. 4774; Dr. p. 1016; Gaz. vol. 134; p. 866.
- Stirrurp. R. E. H. Johnson. No. 901,908; Oct. 20; Sp. p. 3838; Dr. p. 782; Gaz. vol. 136; p. 1736.
- Stirrurp. H. Krieg. No. 902,745; Nov. 3; Sp. p. 420; Gaz. vol. 137; p. 73.
- Stirrurp and spur, Combined. J. W. Smith and H. L. Elder. No. 899,344; Sept. 22; Sp. p. 4153; Dr. p. 888; Gaz. vol. 136; p. 770.
- Stirrurp-attaching device. A. Molash. No. 887,492; May 12; Sp. p. 2386; Dr. p. 502; Gaz. vol. 134; p. 410.
- Stirrurp, Elastic. B. F. Nagle. No. 895,291; Aug. 4; Sp. p. 1059; Dr. p. 221; Gaz. vol. 135; p. 1067.
- Stirrurp-leather. W. M. Henley. No. 889,604; June 2; Sp. p. 815; Dr. p. 186; Gaz. vol. 134; p. 1190.
- Stirrurp, Saddle-. E. M. Turner. No. 878,837; Feb. 11; Sp. p. 1979; Dr. p. 410; Gaz. vol. 132; p. 1193.
- Stirrurp, Safety-. W. H. Flecksing, M. Kercher, and G. W. Henke. No. 880,288; Feb. 25; Sp. p. 4956; Dr. p. 1047; Gaz. vol. 132; p. 1739.
- Stirrurp, Safety-. J. M. Hibbard. No. 882,683; Mar. 24; Sp. p. 4360; Dr. p. 928; Gaz. vol. 133; p. 813.
- Stirrurp, Safety-. S. P. McTigue. No. 884,197; Apr. 7; Sp. p. 1105; Dr. p. 231; Gaz. vol. 133; p. 1364.
- Stirrurp, Safety-. W. H. Parks. No. 887,510; May 12; Sp. p. 2417; Dr. p. 509; Gaz. vol. 134; p. 415.
- Stirrurp, Safety-. W. Jones. No. 889,018; May 26; Sp. p. 5427; Dr. p. 1153; Gaz. vol. 134; p. 969.
- Stirrurp, Safety-. W. B. Goodwin. No. 889,222; June 2; Sp. p. 68; Dr. p. 15; Gaz. vol. 134; p. 1068.
- Stirrurp, Safety-. F. B. Burns. No. 895,971; Aug. 11; Sp. p. 2399; Dr. p. 513; Gaz. vol. 135; p. 1310.
- Stirrurp, Safety-. W. L. Fuchs. No. 897,974; Sept. 8; Sp. p. 1527; Dr. pp. 324-5; Gaz. vol. 136; p. 270.
- Stirrurp, Safety-. T. B. Riley. No. 898,683; Sept. 15; Sp. p. 2911; Dr. p. 623; Gaz. vol. 136; p. 529.
- Stirrurp, Safety-. S. A. Hall. No. 902,397; Oct. 27; Sp. p. 4863; Dr. p. 985; Gaz. vol. 136; p. 1924.
- Stirrurp, Safety-. J. Speaks. No. 907,535; Dec. 22; Sp. p. 4705; Gaz. vol. 137; p. 1860.
- Stirrurp, Safety-. J. W. Ivey. No. 908,265; Dec. 29; Sp. p. 6282; Gaz. vol. 137; p. 2131.
- Stitch separating and indenting machine. H. H. Cummings. No. 885,022; Apr. 21; Sp. p. 2766; Dr. pp. 586-8; Gaz. vol. 133; p. 1693.
- Stitch-separating machine. J. B. Hadaway. No. 880,792; Mar. 3; Sp. p. 611; Dr. pp. 129-30; Gaz. vol. 133; p. 106.
- Stitch-separating machine. J. B. Hadaway. No. 888,083; May 19; Sp. p. 3531; Dr. p. 738; Gaz. vol. 134; p. 633.
- Stitch-separating machine. J. B. Hadaway. No. 894,883; Aug. 4; Sp. p. 174; Dr. p. 37; Gaz. vol. 135; p. 928.
- Stitch separating or indenting tool. J. B. Hadaway. No. 906,705; Dec. 15; Sp. p. 3068; Gaz. vol. 137; p. 1553.
- Stitching, Machine for doing openwork-. M. Gould. No. 884,330; Apr. 7; Sp. p. 1328; Dr. p. 282; Gaz. vol. 133; p. 1405.
- Stitching machines, Thread-laying device for book-. F. Kugler. No. 886,820; May 5; Sp. p. 989; Dr. p. 208; Gaz. vol. 134; p. 161.
- Stock and die. J. E. Trotter and H. A. Crevier. No. 900,617; Oct. 6; Sp. p. 1174; Dr. p. 240; Gaz. vol. 136; p. 1253.
- Stock and hay rack for wagons, Combined. H. G. Tille. No. 900,046; Sept. 29; Sp. p. 5619; Dr. p. 1199; Gaz. vol. 136; p. 1035.
- Stock and sales register. E. R. Tyler. No. 889,414; June 2; Sp. p. 447; Dr. p. 106; Gaz. vol. 134; p. 1130.
- Stock-dipping device. W. K. Crapnell. No. 888,001; May 19; Sp. p. 3381; Dr. pp. 710-11; Gaz. vol. 134; p. 607.
- Stock-feeder. S. F. Webb. No. 905,393; Dec. 1; Sp. p. 523; Gaz. vol. 137; p. 1074.
- Stock-feeder. W. V. Harding. No. 906,013; Dec. 8; Sp. p. 1772; Gaz. vol. 137; p. 1304.
- Stock-feeding apparatus. S. F. Moore. No. 907,264; Dec. 22; Sp. p. 4186; Gaz. vol. 137; p. 1770.
- Stock-feeding apparatus. B. J. Porter and H. Binnington. No. 907,283; Dec. 22; Sp. p. 4219; Gaz. vol. 137; p. 1776.
- Stock-fountain. E. E. Norquist. No. 901,730; Oct. 20; Sp. p. 3512; Dr. p. 710; Gaz. vol. 136; p. 1680.
- Stock, Machine for cutting forms from sheet. W. F. Hutchinson. No. 885,254; Apr. 21; Sp. p. 3269; Dr. p. 682; Gaz. vol. 133; p. 1769.
- Stock-releaser. J. A. Cahill. No. 897,192; Aug. 25; Sp. p. 4859; Dr. p. 1034; Gaz. vol. 135; p. 1752.
- Stock-sampler. J. J. Drawe. No. 892,943; July 7; Sp. p. 1117; Dr. p. 234; Gaz. vol. 135; p. 186.
- Stock-treating apparatus, Live-. F. C. Goff. No. 876,631; Jan. 14; Sp. p. 1955; Dr. p. 428; Gaz. vol. 132; p. 348.
- Stock-waterer. J. J. McCourt. No. 894,037; July 21; Sp. p. 3472; Dr. p. 711; Gaz. vol. 135; p. 604.
- Stocking. E. H. McColloch. No. 882,834; Mar. 24; Sp. p. 4658; Dr. p. 997; Gaz. vol. 133; p. 862.
- Stocking-cap. L. M. and H. E. Mills. No. 882,789; Mar. 24; Sp. p. 4556; Dr. p. 973; Gaz. vol. 133; p. 846.
- Stocking finishing and stripping machine. P. F. Vogel. No. 892,100; June 30; Sp. p. 5912; Dr. p. 1274; Gaz. vol. 134; p. 2129.
- Stocking-protector. L. Ducey. No. 887,384; May 12; Sp. p. 2161; Dr. p. 452; Gaz. vol. 134; p. 373.
- Stocking-supporter. A. M. Ziegler. No. 898,817; Sept. 15; Sp. p. 3149; Dr. p. 674; Gaz. vol. 136; p. 572.
- Stocking-supporter. T. Papworth. No. 901,734; Oct. 20; Sp. p. 3518; Dr. p. 712; Gaz. vol. 136; p. 1681.
- Stocking-suspender. H. Dahms. No. 901,155; Oct. 13; Sp. p. 2254; Dr. p. 459; Gaz. vol. 136; p. 1454.
- Stocking-turning machine. W. J. Anderson. No. 890,833; June 16; Sp. p. 3337; Dr. p. 731; Gaz. vol. 134; p. 1651.
- Stoker. T. V. Elliott. No. 903,131; Nov. 3; Sp. p. 1190; Gaz. vol. 137; p. 195.
- Stoker, Automatic. M. B. Brewster. No. 880,622; Mar. 3; Sp. p. 271; Dr. pp. 57-8; Gaz. vol. 133; p. 48.
- Stoker, Automatic. M. B. Brewster. No. 880,623; Mar. 3; Sp. p. 274; Dr. pp. 58-9; Gaz. vol. 133; p. 48.
- Stoker, Chain-grate. A. E. Parker and E. H. Peabody. No. 878,085; Feb. 4; Sp. p. 391; Dr. p. 81; Gaz. vol. 132; p. 911.
- Stoker for locomotives, Mechanical. D. F. Crawford. No. 905,504; Dec. 1; Sp. p. 804; Gaz. vol. 137; p. 1111.
- Stoker, Mechanical. A. R. Selden. No. 879,682; Feb. 18; Sp. p. 3692; Dr. pp. 773-4; Gaz. vol. 132; p. 1507.
- Stoker, Mechanical. H. P. Tippet. No. 889,990; June 9; Sp. p. 1586; Dr. pp. 355-7; Gaz. vol. 134; p. 1341.
- Stoker, Mechanical. J. A. Caldwell. No. 891,904; June 30; Sp. p. 5540; Dr. p. 1195; Gaz. vol. 134; p. 2067.
- Stoking apparatus. C. W. Crosby. No. 888,875; May 26; Sp. p. 5158; Dr. p. 1095; Gaz. vol. 134; p. 924.
- Stoking-indicator mechanism, Automatic. R. Forsyth and W. W. Hanscom. No. 897,280; Sept. 1; Sp. p. 29; Dr. pp. 7-8; Gaz. vol. 136; p. 8.
- Stone, Artificial. S. W. Berglund. No. 904,923; Nov. 24; Sp. p. 4931; Gaz. vol. 137; p. 890.
- Stone blocks, Apparatus for molding artificial-. J. W. Shone and J. N. Rauber. No. 877,870; Jan. 28; Sp. p. 4430; Dr. p. 965; Gaz. vol. 132; p. 812.
- Stone-cutting machine. J. R. Peirce. No. 876,087; Jan. 7; Sp. p. 790; Dr. p. 168; Gaz. vol. 132; p. 134.
- Stone-cutting machine. J. E. Gravel. No. 894,267; July 28; Sp. p. 3965; Dr. p. 817; Gaz. vol. 135; p. 700.
- Stone-dressing machine. A. G. Grice. No. 892,990; July 14; Sp. p. 1239; Dr. pp. 258-60; Gaz. vol. 135; p. 231.
- Stone-dressing machine. J. C. Armstrong. No. 898,820; Sept. 15; Sp. p. 3155; Dr. p. 675; Gaz. vol. 136; p. 573.
- Stone-drilling machine. A. Weiss and E. Nagel. No. 882,805; Mar. 24; Sp. p. 4600; Dr. p. 980; Gaz. vol. 133; p. 852.
- Stone drying and heating apparatus. L. N. McCarter. No. 900,032; Sept. 29; Sp. p. 5586; Dr. p. 1194; Gaz. vol. 136; p. 1031.
- Stone-gathering machine. E. B. Lamme and E. Ketterer. No. 891,709; June 23; Sp. p. 5137; Dr. pp. 1109-10; Gaz. vol. 134; p. 1970.
- Stone, Hardening artificial. E. Shvaneenberg and A. Rinne. No. 886,258; Apr. 28; Sp. p. 5299; Gaz. vol. 133; p. 2124.
- Stone machine, Artificial. T. A. McMurtrie. No. 878,417; Feb. 4; Sp. p. 1052; Dr. p. 213; Gaz. vol. 132; p. 1021.
- Stone machine, Artificial-. J. A. Smalley. No. 890,187; June 9; Sp. p. 1995; Dr. pp. 439-40; Gaz. vol. 134; p. 1408.
- Stone, Manufacture of artificial. H. Drester. No. 876,782; Jan. 14; Sp. p. 2223; Gaz. vol. 132; p. 395.
- Stone, Manufacture of artificial. J. C. Henderson. No. 886,124; Apr. 28; Sp. p. 5067; Gaz. vol. 133; p. 2080.
- Stone, Manufacturing artificial. J. Staudt. No. 882,975; Mar. 24; Sp. p. 4942; Gaz. vol. 133; p. 909.
- Stone or marble artificially, Manufacture of. T. M. Thom. No. 898,703; Sept. 15; Sp. p. 2943; Gaz. vol. 136; p. 535.
- Stone-polishing wheel. M. Pembroke. No. 900,947; Oct. 13; Sp. p. 1870; Dr. p. 831; Gaz. vol. 136; p. 1386.
- Stone posts, Mold for forming artificial-. J. E. Logan. No. 887,206; May 12; Sp. p. 1703; Dr. p. 362; Gaz. vol. 134; p. 312.
- Stone, Pulverizing. L. K. Forsythe. No. 878,515; Feb. 11; Sp. p. 1333; Gaz. vol. 132; p. 1087.
- Stone-saw. J. S. Young. No. 884,001; Apr. 7; Sp. p. 675; Dr. p. 135; Gaz. vol. 133; p. 1300.
- Stone-saw. E. Gelius. No. 885,603; Apr. 21; Sp. p. 3967; Dr. p. 827; Gaz. vol. 133; p. 1878.
- Stone-sawing machine. J. M. Owens. No. 884,949; Apr. 14; Sp. p. 2619; Dr. pp. 552-3; Gaz. vol. 133; p. 1636.
- Stone-sawing machine. J. Wegner and W. F. Meyers. No. 896,782; Aug. 25; Sp. p. 3996; Dr. pp. 859-60; Gaz. vol. 135; p. 1617.
- Stone-sawing machine. A. Jones. No. 901,175; Oct. 13; Sp. p. 2290; Dr. p. 467; Gaz. vol. 136; p. 1459.

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- Stone-separator. E. E. Ivory. No. 905,878; Dec. 8; Sp. p. 1517; Gaz. vol. 137; p. 1262.
 Stone veneer, Making artificial variegated. J. Tully. No. 900,801; Oct. 13; Sp. p. 1550; Gaz. vol. 136; p. 1339.
 Stone walls, Machine for forming artificial. J. Brewer. No. 900,261; Oct. 6; Sp. p. 406; Dr. p. 82; Gaz. vol. 136; p. 1135.
 Stones, Simulating rare, precious, and other. W. D. and R. W. Denton. No. 889,845; June 2; Sp. p. 1270; Dr. p. 292; Gaz. vol. 134; p. 1266.
 Stoneworking-tool. C. B. Richards. No. 884,419; Apr. 14; Sp. p. 1512; Dr. p. 324; Gaz. vol. 133; p. 1464.
 Stool. W. F. Rowell. No. 889,637; June 2; Sp. p. 874; Dr. p. 200; Gaz. vol. 134; p. 1200.
 Stool. C. A. Burns. No. 891,143; June 16; Sp. p. 3935; Dr. p. 861; Gaz. vol. 134; p. 1750.
 Stool. F. P. Holtzman. No. 892,054; June 30; Sp. p. 5836; Dr. p. 1255; Gaz. vol. 134; p. 2114.
 Stool. I. G. Whitlow. No. 904,034; Nov. 17; Sp. p. 3043; Gaz. vol. 137; p. 554.
 Stool and music-stand, Combination. J. J. Schurger, Jr., and J. Takacs. No. 876,023; Jan. 7; Sp. p. 656; Dr. p. 140; Gaz. vol. 132; p. 113.
 Stool and walking-stick, Combined camp. C. S. Sherwood. No. 883,674; Mar. 31; Sp. p. 6377; Dr. p. 1360; Gaz. vol. 133; p. 1163.
 Stool, Barber's. J. R. Draper and T. L. Hughes. No. 879,154; Feb. 18; Sp. p. 2598; Dr. p. 541; Gaz. vol. 132; p. 1334.
 Stool, Camp-. E. Huebner and H. Kloss. No. 882,468; Mar. 17; Sp. p. 3919; Dr. p. 838; Gaz. vol. 133; p. 708.
 Stool, Cane-. M. H. McNamara. No. 899,553; Sept. 29; Sp. p. 4567; Dr. p. 981; Gaz. vol. 136; p. 875.
 Stool, Folding-. G. S. Hutchinson. No. 901,904; Oct. 20; Sp. p. 3832; Dr. pp. 780-1; Gaz. vol. 136; p. 1735.
 Stool, Milking-. P. Libak and A. and P. Winden. No. 890,075; June 9; Sp. p. 1764; Dr. p. 390; Gaz. vol. 134; p. 1370.
 Stool, Milking-. A. A. Jones. No. 893,803; July 21; Sp. p. 2975; Dr. p. 609; Gaz. vol. 135; p. 527.
 Stool, Piano-. A. B. Hanson. No. 896,382; Aug. 18; Sp. p. 3193; Dr. p. 684; Gaz. vol. 135; p. 1464.
 Stool, Piano-. F. H. Meyer. No. 903,599; Nov. 10; Sp. p. 2133; Gaz. vol. 137; p. 380.
 Stool, Sewing-machine. J. Liden. No. 884,280; Apr. 7; Sp. p. 1242; Dr. p. 261; Gaz. vol. 133; p. 1390.
 Stop and check, Combined. J. H. Karns. No. 898,377; Sept. 8; Sp. p. 2290; Dr. p. 487; Gaz. vol. 136; p. 398.
 Stop and waste, Reversible compressions. W. G. Rowell. No. 901,481; Oct. 20; Sp. p. 2981; Dr. p. 607; Gaz. vol. 136; p. 1598.
 Stop-motion. D. B. Hathaway. No. 876,349; Jan. 14; Sp. p. 1314; Dr. p. 284; Gaz. vol. 132; p. 249.
 Stop-motion. F. Ott. No. 881,144; Mar. 10; Sp. p. 1306; Dr. pp. 281-2; Gaz. vol. 133; p. 252.
 Stop-motion. A. G. Shideed. No. 885,875; Apr. 28; Sp. p. 4538; Dr. p. 952; Gaz. vol. 133; p. 1999.
 Stop-motion. E. E. Taliaferro. No. 892,915; July 7; Sp. p. 1064; Dr. p. 223; Gaz. vol. 135; p. 176.
 Stop-motion, Filling. G. Naylor. No. 904,444; Nov. 17; Sp. p. 3268; Gaz. vol. 137; p. 593.
 Stop-motion, Twister. A. E. Rhoades. No. 888,740; May 26; Sp. p. 4534; Dr. p. 1032; Gaz. vol. 134; p. 878.
 Stop-motions, Knock-off guard for. J. T. Hacking and C. Wilkinson. No. 899,163; Sept. 22; Sp. p. 3802; Dr. p. 814; Gaz. vol. 136; p. 713.
 Stopper. See Bottle-stopper; Bottle and jar stopper; Dispensing-stopper; Dose-stopper; Hose-leak stopper; Receptacle-stopper; Washbowl-stopper.
 Stopper. E. H. Marshall. No. 893,531; July 14; Sp. p. 2318; Dr. p. 486; Gaz. vol. 135; p. 406.
 Stopper. E. W. Kottusch. No. 897,294; Sept. 1; Sp. p. 49; Dr. p. 12; Gaz. vol. 136; p. 11.
 Stopper-extractor. E. Renkenberger. No. 883,482; Mar. 31; Sp. p. 5998; Dr. p. 1279; Gaz. vol. 133; p. 1106.
 Stopper extractor, Bottle-. J. F. Jones. No. 894,657; July 28; Sp. p. 4745; Dr. p. 985; Gaz. vol. 135; p. 828.
 Stoppers for stopping bottles, &c., Machine for the manufacture of. J. Lowman. No. 892,169; June 30; Sp. p. 6054; Dr. pp. 1302-3; Gaz. vol. 134; p. 2153.
 Storage apparatus. T. C. Kennedy and E. A. Elder. No. 879,473; Feb. 18; Sp. p. 3248; Dr. p. 676; Gaz. vol. 132; p. 1438.
 Storage apparatus. A. C. Williams. No. 891,124; June 16; Sp. p. 3898; Dr. p. 853; Gaz. vol. 134; p. 1743.
 Storage apparatus. G. R. Basler. No. 893,563; July 14; Sp. p. 2994; Dr. p. 502; Gaz. vol. 135; p. 417.
 Storage apparatus. T. C. Kennedy. No. 902,300; Oct. 27; Sp. p. 4659; Dr. p. 945; Gaz. vol. 136; p. 1893.
 Storage battery. W. Gardiner. No. 877,889; Jan. 28; Sp. p. 4464; Dr. pp. 973-4; Gaz. vol. 132; p. 818.
 Storage battery. W. L. Merrin. No. 882,573; Mar. 24; Sp. p. 4137; Dr. p. 878; Gaz. vol. 133; p. 778.
 Storage battery. H. H. Carpenter. No. 884,264; Apr. 7; Sp. p. 1219; Dr. p. 256; Gaz. vol. 133; p. 1386.
 Storage battery. G. A. Ford. No. 895,549; Aug. 11; Sp. p. 1555; Dr. pp. 328-9; Gaz. vol. 135; p. 1175.
 Storage battery. T. A. Edison. No. 896,812; Aug. 25; Sp. p. 4069; Dr. p. 875; Gaz. vol. 135; p. 1627.
 Storage battery. D. P. Perry. No. 902,681; Nov. 3; Sp. p. 290; Gaz. vol. 137; p. 50.
 Storage battery. S. Lake. No. 902,975; Nov. 3; Sp. p. 882; Gaz. vol. 137; p. 147.
 Storage battery. J. L. and M. O. Smith. No. 903,799; Nov. 10; Sp. p. 2533; Gaz. vol. 137; p. 442.
 Storage battery, Alkaline. T. A. Edison. No. 879,612; Feb. 18; Sp. p. 3558; Gaz. vol. 132; p. 1484.
 Storage-bin. F. R. McQueen. No. 896,233; Aug. 18; Sp. p. 2876; Dr. pp. 620-1; Gaz. vol. 135; p. 1418.
 Storage-bin. G. W. Boll. No. 897,709; Sept. 1; Sp. p. 947; Dr. p. 202; Gaz. vol. 136; p. 152.
 Storage-receptacle. O. K. Harry. No. 900,166; Oct. 6; Sp. p. 200; Dr. p. 41; Gaz. vol. 136; p. 1105.
 Store-fixture. G. A. Lindke. No. 878,644; Feb. 11; Sp. p. 1517; Dr. p. 330; Gaz. vol. 132; p. 1131.
 Store-fixture. W. M. Walker. No. 901,665; Oct. 20; Sp. p. 3332; Dr. pp. 684-5; Gaz. vol. 136; p. 1656.
 Store-front. W. H. Hoover, Jr. No. 878,140; Feb. 4; Sp. p. 486; Dr. p. 104; Gaz. vol. 132; p. 929.
 Store-front construction. F. J. Plym. No. 879,898; Feb. 25; Sp. p. 4180; Dr. p. 872; Gaz. vol. 132; p. 1611.
 Store-front construction. J. J. Burke. No. 881,894; Mar. 17; Sp. p. 2826; Dr. pp. 603-4; Gaz. vol. 133; p. 523.
 Store-goods lifter. I. T. Lee. No. 895,406; Aug. 4; Sp. p. 1253; Dr. pp. 264-5; Gaz. vol. 135; p. 1103.
 Store-service apparatus. I. W. Litchfield. No. 881,699; Mar. 10; Sp. p. 2390; Dr. p. 519; Gaz. vol. 133; p. 429.
 Store-service apparatus. C. J. Miller. No. 889,538; June 2; Sp. p. 697; Dr. p. 160; Gaz. vol. 134; p. 1169.
 Store-service apparatus. C. J. Miller. No. 882,535; July 7; Sp. p. 279; Dr. p. 61; Gaz. vol. 135; p. 52.
 Store-service apparatus. P. Tripke. No. 892,631; July 7; Sp. p. 466; Dr. p. 99; Gaz. vol. 135; p. 83.
 Store-service apparatus. C. W. McCormick. No. 896,747; Aug. 25; Sp. p. 3925; Dr. pp. 846-7; Gaz. vol. 135; p. 1604.
 Storing and display case. G. A. McNamara. No. 901,638; Oct. 20; Sp. p. 3280; Dr. p. 674; Gaz. vol. 136; p. 1648.
 Storm-apron device. J. H. Powers. No. 903,455; Dec. 1; Sp. p. 690; Gaz. vol. 137; p. 1095.
 Storm-front. L. Cockerill. No. 879,945; Feb. 25; Sp. p. 4264; Dr. p. 891; Gaz. vol. 132; p. 1627.
 Storm-hood. J. Archdeacon. No. 877,752; Jan. 28; Sp. p. 4219; Dr. p. 915; Gaz. vol. 132; p. 775.
 Stove. L. W. Hammond. No. 877,190; Jan. 21; Sp. p. 3109; Dr. p. 673; Gaz. vol. 132; p. 572.
 Stove. E. C. Cole. No. 878,352; Feb. 4; Sp. p. 932; Dr. p. 185; Gaz. vol. 132; p. 999.
 Stove. W. Rube. No. 879,909; Feb. 25; Sp. p. 4197; Dr. p. 876; Gaz. vol. 132; p. 1615.
 Stove. S. Boal. No. 882,617; Mar. 24; Sp. p. 4230; Dr. p. 896; Gaz. vol. 133; p. 791.
 Stove. W. H. Helmer. No. 887,251; May 12; Sp. p. 1814; Dr. p. 384; Gaz. vol. 134; p. 326.
 Stove. G. R. Moon. No. 888,109; May 19; Sp. p. 3590; Dr. p. 752; Gaz. vol. 134; p. 641.
 Stove. O. Brizard. No. 894,364; July 28; Sp. p. 4165; Dr. p. 860; Gaz. vol. 135; p. 732.
 Stove. L. Miller. No. 899,122; Sept. 22; Sp. p. 3705; Dr. p. 794; Gaz. vol. 136; p. 699.
 Stove. W. R. Yendall, Jr. No. 899,936; Sept. 29; Sp. p. 5379; Dr. p. 1147; Gaz. vol. 136; p. 999.
 Stove. J. B. Engle. No. 904,188; Nov. 17; Sp. p. 3385; Gaz. vol. 137; p. 608.
 Stove. J. F. Bowser. No. 906,375; Dec. 8; Sp. p. 2460; Gaz. vol. 137; p. 1422.
 Stove. S. F. Palmer. No. 907,867; Dec. 29; Sp. p. 5433; Gaz. vol. 137; p. 1999.
 Stove. L. Carr. No. 908,203; Dec. 29; Sp. p. 6164; Gaz. vol. 137; p. 2111.
 Stove, Alcohol-. A. W. Swanberg. No. 880,836; Mar. 3; Sp. p. 719; Dr. p. 151; Gaz. vol. 133; p. 122.
 Stove, Alcohol-. A. Richter. No. 889,047; May 26; Sp. p. 5475; Dr. p. 1165; Gaz. vol. 134; p. 979.
 Stove and furnace. W. R. Fenerty. No. 880,965; May 5; Sp. p. 1249; Dr. p. 264; Gaz. vol. 134; p. 207.
 Stove and furnace. H. J. Hough, A. J. Dietrich, and W. F. Brunswick. No. 898,367; Sept. 8; Sp. p. 2272; Dr. p. 483; Gaz. vol. 136; p. 394.
 Stove and range, Cooking. R. N. Grundy. No. 894,432; July 28; Sp. p. 4310; Dr. pp. 888-9; Gaz. vol. 135; p. 755.
 Stove attachment. M. E. Wood. No. 877,976; Feb. 4; Sp. p. 156; Dr. p. 35; Gaz. vol. 132; p. 875.
 Stove attachment. M. A. Malloy. No. 906,248; Dec. 8; Sp. p. 2229; Gaz. vol. 137; p. 1382.
 Stove attachment. L. S. Harvey. No. 907,795; Dec. 29; Sp. p. 5299; Gaz. vol. 137; p. 1976.
 Stove attachment, Cooking-. R. A. Shafer and E. A. Montgomery. No. 902,919; Nov. 3; Sp. p. 779; Gaz. vol. 137; p. 129.
 Stove attachment, Gas-. C. M. Cleavland. No. 893,446; July 14; Sp. p. 2136; Dr. p. 448; Gaz. vol. 135; p. 379.
 Stove attachment, Heating-. J. L. Sanders. No. 907,292; Dec. 22; Sp. p. 4239; Gaz. vol. 137; p. 1780.
 Stove-base. J. Sharon. No. 899,335; Sept. 22; Sp. p. 4135; Dr. p. 885; Gaz. vol. 136; p. 767.
 Stove, Broiling-. J. H. Zehring. No. 898,814; Sept. 15; Sp. p. 3143; Dr. p. 673; Gaz. vol. 136; p. 571.
 Stove burner, Gas-. J. T. Scollard. No. 904,813; Nov. 24; Sp. p. 4700; Gaz. vol. 137; p. 844.
 Stove, Camp-. F. M. Boughton. No. 878,862; Feb. 11; Sp. p. 2030; Dr. p. 419; Gaz. vol. 132; p. 1201.
 Stove, Camp-. G. W. Ball, Jr. No. 889,187; June 2; Sp. p. 2; Dr. p. 2; Gaz. vol. 134; p. 1057.
 Stove, Convertible, Heating and cooking. J. J. Shimek. No. 880,106; Feb. 25; Sp. p. 4572; Dr. p. 963; Gaz. vol. 132; p. 1678.
 Stove, Cooking-. W. R. Merrick. No. 885,273; Apr. 21; Sp. p. 3310; Dr. p. 691; Gaz. vol. 133; p. 1776.
 Stove, Cooking-. E. Senn. No. 896,591; Aug. 18; Sp. p. 3606; Dr. pp. 774-5; Gaz. vol. 135; p. 1533.
 Stove-cover lifter. J. Werner. No. 892,697; July 7; Sp. p. 591; Dr. p. 127; Gaz. vol. 135; p. 104.
 Stove-fender. E. C. Davidson. No. 907,010; Dec. 15; Sp. p. 3641; Gaz. vol. 137; p. 1648.

Alphabetical list of inventions—Continued.

- Stove-finish. T. Frye. No. 892,823; July 7; Sp. p. 850; Gaz. vol. 135; p. 145.
- Stove, Fireless. W. Katzmann. No. 878,534; Feb. 11; Sp. p. 1366; Dr. p. 280; Gaz. vol. 132; p. 1093.
- Stove, Flat-iron. E. W. Rice, Jr. No. 905,459; Dec. 1; Sp. p. 695; Gaz. vol. 137; p. 1096.
- Stove-flue. E. E. Thompson. No. 879,987; Feb. 25; Sp. p. 4337; Dr. p. 909; Gaz. vol. 132; p. 1640.
- Stove for drying molds. C. Morehead. No. 899,752; Sept. 29; Sp. p. 4976; Dr. p. 1066; Gaz. vol. 136; p. 939.
- Stove, Gas-. T. H. Gallagher. No. 879,762; Feb. 18; Sp. p. 3843; Dr. p. 805; Gaz. vol. 132; p. 1532.
- Stove, Gas-. C. F. and F. L. Grady. No. 900,998; Oct. 13; Sp. p. 1971; Dr. p. 401; Gaz. vol. 136; p. 1404.
- Stove, Gas-. J. H. Bennett. No. 904,243; Nov. 17; Sp. p. 3503; Gaz. vol. 137; p. 627.
- Stove, Gas-. T. Bollin. No. 906,998; Dec. 15; Sp. p. 3622; Gaz. vol. 137; p. 1644.
- Stove, Gas-. J. Van Dyke. No. 908,358; Dec. 29; Sp. p. 6474; Gaz. vol. 137; p. 2164.
- Stove, Gas heating-. H. Gerdes. No. 897,732; Sept. 1; Sp. p. 992; Dr. p. 211; Gaz. vol. 136; p. 160.
- Stove-grate. T. J. Stafford. No. 880,472; Feb. 25; Sp. p. 5329; Dr. pp. 1121-2; Gaz. vol. 132; p. 1801.
- Stove-grate. E. Senn. No. 890,880; June 16; Sp. p. 3421; Dr. p. 750; Gaz. vol. 134; p. 1665.
- Stove-grate. L. Carr. No. 906,101; Dec. 8; Sp. p. 1942; Gaz. vol. 137; p. 1332.
- Stove grate, Cook-. J. J. Shimek. No. 880,105; Feb. 25; Sp. p. 4569; Dr. p. 963; Gaz. vol. 132; p. 1677.
- Stove, Heating-. H. Wagner. No. 878,028; Feb. 4; Sp. p. 281; Dr. p. 60; Gaz. vol. 132; p. 894.
- Stove, Heating-. J. J. Harpel. No. 878,384; Feb. 4; Sp. p. 990; Dr. p. 200; Gaz. vol. 132; p. 1010.
- Stove, Heating-. E. Scott. No. 882,212; Mar. 17; Sp. p. 3449; Dr. p. 734; Gaz. vol. 133; p. 624.
- Stove, Heating-. T. F. Hatton. No. 892,373; June 30; Sp. p. 6438; Dr. p. 1389; Gaz. vol. 134; p. 2219.
- Stove, Heating-. G. D. Nevitt. No. 892,759; July 7; Sp. p. 718; Dr. p. 152; Gaz. vol. 135; p. 124.
- Stove, Heating-. C. F. Minnick. No. 901,985; Oct. 27; Sp. p. 4035; Dr. p. 818; Gaz. vol. 136; p. 1792.
- Stove-hood. H. Hansen. No. 879,463; Feb. 18; Sp. p. 3235; Dr. p. 673; Gaz. vol. 132; p. 1435.
- Stove implement. M. Davis. No. 897,721; Sept. 1; Sp. p. 972; Dr. p. 207; Gaz. vol. 136; p. 156.
- Stove, Knockdown. P. J. McMorro. No. 889,254; June 2; Sp. p. 115; Dr. pp. 27-8; Gaz. vol. 134; p. 1078.
- Stove, Lamp-. A. A. Warner. No. 898,159; Sept. 8; Sp. p. 1890; Dr. p. 404; Gaz. vol. 136; p. 328.
- Stove-leg. C. G. Davis. No. 889,298; June 2; Sp. p. 208; Dr. p. 52; Gaz. vol. 134; p. 1091.
- Stove-lid. G. W. Shoemaker. No. 888,357; May 19; Sp. p. 4045; Dr. p. 853; Gaz. vol. 134; p. 720.
- Stove-lid and pot lifter. G. Mayer. No. 896,133; Aug. 18; Sp. p. 2691; Dr. p. 581; Gaz. vol. 135; p. 1384.
- Stove-lid lifter. A. Smith. No. 901,844; Oct. 20; Sp. p. 3720; Dr. p. 756; Gaz. vol. 136; p. 1715.
- Stove-lid plate, Auxiliary. G. H. Jones. No. 906,534; Dec. 15; Sp. p. 2756; Gaz. vol. 137; p. 1500.
- Stove-magazine, Reversible. W. S. Jackson. No. 877,342; Jan. 21; Sp. p. 3403; Dr. p. 738; Gaz. vol. 132; p. 621.
- Stove, Oil-. W. H. Wilder. No. 878,699; Feb. 11; Sp. p. 1714; Dr. p. 354; Gaz. vol. 132; p. 1149.
- Stove or furnace. C. W. Wells. No. 908,366; Dec. 29; Sp. p. 6486; Gaz. vol. 137; p. 2166.
- Stove or heater attachment. G. T. Adcock. No. 897,863; Sept. 8; Sp. p. 1273; Dr. p. 272; Gaz. vol. 136; p. 233.
- Stove or range. D. D. Berry. No. 900,821; Oct. 13; Sp. p. 1606; Dr. p. 325; Gaz. vol. 136; p. 1347.
- Stove or range, Cooking. E. Scott. No. 881,962; Mar. 17; Sp. p. 2959; Dr. p. 630; Gaz. vol. 133; p. 545.
- Stove or range, Cooking. C. R. Hanson. No. 888,163; May 19; Sp. p. 3678; Dr. p. 768; Gaz. vol. 134; p. 657.
- Stove-oven, Illuminated. F. Santoski. No. 900,211; Oct. 6; Sp. p. 292; Dr. p. 59; Gaz. vol. 136; p. 1119.
- Stove-polish. D. H. Tetrault. No. 897,430; Sept. 1; Sp. p. 395; Gaz. vol. 136; p. 61.
- Stove-ring. G. E. Palmer. No. 881,199; Mar. 10; Sp. p. 1400; Dr. p. 303; Gaz. vol. 133; p. 268.
- Stove-shield. J. J. Gregory, Jr. No. 898,356; Sept. 8; Sp. p. 2246; Dr. p. 479; Gaz. vol. 136; p. 390.
- Stove, Straw-burning. H. C. Ruggles. No. 906,299; Dec. 8; Sp. p. 2326; Gaz. vol. 137; p. 1399.
- Stove-top. C. M. Genthner. No. 895,743; Aug. 11; Sp. p. 1938; Dr. p. 410; Gaz. vol. 135; p. 1237.
- Stove. Toy. P. Bear. No. 906,766; Dec. 15; Sp. p. 3197; Gaz. vol. 137; p. 1573.
- Stove-valve-locking device, Gas-. W. Schwing. No. 893,662; July 21; Sp. p. 2616; Dr. p. 547; Gaz. vol. 135; p. 480.
- Stove, Wood-burning. G. G. Kaiser. No. 900,384; Oct. 6; Sp. p. 658; Dr. p. 135; Gaz. vol. 136; p. 1175.
- Stoves, Adjustable top for cooking-. W. A. Stowe. No. 878,252; Feb. 4; Sp. p. 740; Dr. p. 149; Gaz. vol. 132; p. 967.
- Stoves, Air-heating attachment for. G. W. Smith. No. 895,052; Aug. 4; Sp. p. 556; Dr. p. 114; Gaz. vol. 135; p. 986.
- Stoves, Crude-oil burner for. G. and L. Madden. No. 884,939; Apr. 14; Sp. p. 2594; Dr. p. 548; Gaz. vol. 133; p. 1633.
- Stoves, Match-plate for forming parts of. L. W. Van Cleave and G. O. Dewey. No. 896,489; Aug. 18; Sp. p. 3411; Dr. p. 734; Gaz. vol. 135; p. 1501.
- Stoves, Means for supplying fuel to. W. Glenk. No. 888,324; May 19; Sp. p. 3971; Dr. p. 836; Gaz. vol. 134; p. 710.
- Stoves or to the gas-rings used for heating pots, irons, &c., Hot-water-service attachment to the burners of gas heater-. J. J. Strain. No. 902,119; Oct. 27; Sp. p. 4288; Dr. p. 869; Gaz. vol. 136; p. 1834.
- Stoves, Self-supporting shelf for cook-. A. L. Brown. No. 898,828; Sept. 15; Sp. p. 3169; Dr. pp. 677-8; Gaz. vol. 136; p. 576.
- Stoves, &c., Shelf-grating for. J. Jamieson. No. 879,268; Feb. 18; Sp. p. 2815; Dr. p. 590; Gaz. vol. 132; p. 1372.
- Stoves, Supplemental downdraft for. E. M. Hitchcock. No. 894,777; July 28; Sp. p. 4957; Dr. p. 1034; Gaz. vol. 135; p. 866.
- Stovepipe. L. C. Scott. No. 899,135; Sept. 22; Sp. p. 3733; Dr. p. 800; Gaz. vol. 136; p. 704.
- Stovepipe. C. B. Aycock. No. 906,989; Dec. 15; Sp. p. 3606; Gaz. vol. 137; p. 1642.
- Stovepipe-anchor. M. H. Welton. No. 896,424; Aug. 18; Sp. p. 3276; Dr. p. 702; Gaz. vol. 135; p. 1479.
- Stovepipe and chimney cleaner. D. J. Montambo. No. 877,215; Jan. 21; Sp. p. 3173; Dr. p. 688; Gaz. vol. 132; p. 582.
- Stovepipe and flue-stopper fastener. L. F. Culver. No. 897,717; Sept. 1; Sp. p. 967; Dr. p. 206; Gaz. vol. 136; p. 155.
- Stovepipe attachment. S. A. Tipton. No. 904,377; Nov. 17; Sp. p. 3772; Gaz. vol. 137; p. 672.
- Stovepipe-connector for nesting pipes. H. Ditchburn. No. 886,043; Apr. 28; Sp. p. 4910; Dr. p. 1032; Gaz. vol. 133; p. 2054.
- Stovepipe, Extension-. H. K. Hansen. No. 886,366; May 5; Sp. p. 46; Dr. p. 9; Gaz. vol. 134; p. 12.
- Stovepipe-fastener. A. T. Peterson. No. 902,907; Nov. 3; Sp. p. 763; Gaz. vol. 137; p. 126.
- Stovepipe-fastener. H. H. Akers. No. 905,828; Dec. 8; Sp. p. 1421; Gaz. vol. 137; p. 1245.
- Stovepipe-fastener, Adjustable. J. W. Harold. No. 903,567; Nov. 10; Sp. p. 2070; Gaz. vol. 137; p. 370.
- Stovepipe-hanger. C. W. Shepard. No. 883,673; Mar. 31; Sp. p. 6376; Dr. p. 1359; Gaz. vol. 133; p. 1163.
- Stovepipe hanger and support. H. Kling. No. 879,054; Feb. 11; Sp. p. 2375; Dr. p. 497; Gaz. vol. 132; p. 1260.
- Stovepipe-joint. O. M. Cowles. No. 881,378; Mar. 10; Sp. p. 1782; Dr. p. 384; Gaz. vol. 133; p. 327.
- Stovepipe length, Extension. H. J. Daniel. No. 890,128; June 9; Sp. p. 1869; Dr. p. 413; Gaz. vol. 134; p. 1388.
- Stovepipe-locking device. A. W. Hoyer. No. 891,480; June 23; Sp. p. 4658; Dr. p. 1009; Gaz. vol. 134; p. 1894.
- Stovepipe-support. H. D. Gabel. No. 906,870; Dec. 15; Sp. p. 3395; Gaz. vol. 137; p. 1605.
- Stovepipe-thimble. W. B. McLean. No. 894,455; July 28; Sp. p. 4355; Dr. pp. 897-8; Gaz. vol. 135; p. 763.
- Straight-edge. C. T. Ridgely. No. 883,744; Apr. 7; Sp. p. 128; Dr. p. 23; Gaz. vol. 133; p. 1214.
- Straight-edge. A. J. Perks. No. 887,515; May 12; Sp. p. 2427; Dr. p. 511; Gaz. vol. 134; p. 417.
- Straight-edge. A. J. Perks. No. 905,357; Dec. 1; Sp. p. 460; Gaz. vol. 137; p. 1060.
- Strain-equalizer. J. W. Wash. No. 897,040; Apr. 25; Sp. p. 4580; Dr. p. 977; Gaz. vol. 135; p. 1705.
- Strainer. F. M. I. Reeve. No. 892,551; July 7; Sp. p. 305; Dr. p. 67; Gaz. vol. 135; p. 57.
- Strainer. N. E. Long. No. 893,177; July 14; Sp. p. 1598; Dr. p. 339; Gaz. vol. 135; p. 291.
- Strainer. H. W. Forssman. No. 895,446; Aug. 11; Sp. p. 1343; Dr. p. 283; Gaz. vol. 135; p. 1140.
- Strainer, Bluing-. W. E. Grigg. No. 888,081; May 19; Sp. p. 3523; Dr. p. 736; Gaz. vol. 134; p. 632.
- Strainer for coffee-urns. G. Epstein. No. 881,564; Mar. 10; Sp. p. 2126; Dr. p. 464; Gaz. vol. 133; p. 387.
- Strainer for fruit, &c., Collapsible. A. M. Stocking. No. 890,724; June 16; Sp. p. 3112; Dr. p. 682; Gaz. vol. 134; p. 1614.
- Strainer for steep tanks. W. H. Prinz. No. 885,786; Apr. 28; Sp. p. 4358; Dr. p. 914; Gaz. vol. 133; p. 1968.
- Strainer, Gasolene-. O. Zschoge. No. 900,638; Oct. 6; Sp. p. 1213; Dr. p. 249; Gaz. vol. 136; p. 1259.
- Strainer, Gutter-. H. Dixon. No. 901,526; Oct. 20; Sp. p. 3070; Dr. p. 627; Gaz. vol. 136; p. 1613.
- Strainer, Liquid-. D. H. Mosteller. No. 897,005; Aug. 25; Sp. p. 4507; Dr. p. 964; Gaz. vol. 135; p. 1692.
- Strainer, Milk-. E. M. Frazee. No. 893,915; July 21; Sp. p. 3205; Dr. p. 660; Gaz. vol. 135; p. 563.
- Strainer, Milk-. E. C. Wagner and J. D. A. Johnson. No. 895,818; Aug. 11; Sp. p. 2094; Dr. p. 444; Gaz. vol. 135; p. 1261.
- Strainer, Milk-. A. L. Mowry and J. F. Mullaney. No. 902,675; Nov. 3; Sp. p. 275; Gaz. vol. 137; p. 47.
- Strainer, Tea-. B. von Bültzinglöwen. No. 880,190; Feb. 25; Sp. p. 4745; Dr. p. 1004; Gaz. vol. 132; p. 1706.
- Strainer, Water-. J. O. Olson. No. 893,645; July 21; Sp. p. 2583; Dr. p. 538; Gaz. vol. 135; p. 474.
- Strainer, Water-. H. Mueller. No. 894,035; July 21; Sp. p. 3469; Dr. p. 710; Gaz. vol. 135; p. 604.
- Strainer, Well-. A. M. Brown. No. 890,598; June 16; Sp. p. 2837; Dr. p. 624; Gaz. vol. 134; p. 1573.
- Strap: See Hame-strap; Hand-strap; Holdback or breeching strap; Trunk-strap.
- Strap and strap-loop, Combined. W. P. Gelabert. No. 878,519; Feb. 11; Sp. p. 1337; Dr. p. 270; Gaz. vol. 132; p. 1088.
- Strap-fastening. D. MacMillan. No. 903,100; Nov. 3; Sp. p. 1132; Gaz. vol. 137; p. 185.
- Strap holder, Hitching-. F. A. Gilcrest. No. 905,171; Dec. 1; Sp. p. 94; Gaz. vol. 137; p. 998.
- Strap turning and stretching machine. P. T. Jones, Sr. No. 878,804; Feb. 11; Sp. p. 1925; Dr. pp. 397-8; Gaz. vol. 132; p. 1182.
- Strata, Apparatus for extracting the volatilizable contents of sedimentary. D. R. Baker. No. 895,612; Aug. 11; Sp. p. 1670; Dr. p. 352; Gaz. vol. 135; p. 1194.

Alphabetical list of inventions—Continued.

- Straw holder and dispenser. H. C. Mayes. No. 900,866; Oct. 13; Sp. p. 1696; Dr. pp. 342-3; Gaz. vol. 136; p. 1360.
- Straw or feed cutter. H. C. Krase and R. Grimm. No. 886,223; Apr. 28; Sp. p. 5232; Dr. p. 1102; Gaz. vol. 133; p. 2112.
- Straw-press. H. N. Bingham. No. 876,037; Jan. 7; Sp. p. 678; Dr. p. 146; Gaz. vol. 132; p. 117.
- Strawberry-picker. A. E. Bergquist. No. 885,569; Apr. 21; Sp. p. 3918; Dr. p. 818; Gaz. vol. 133; p. 1869.
- Streams, Method and means for straightening, deepening, and controlling. D. Neale. No. 892,610; July 7; Sp. p. 407; Dr. p. 90; Gaz. vol. 135; p. 75.
- Street-cleaner. J. W. Smith. No. 886,263; Apr. 28; Sp. p. 5307; Dr. p. 1117; Gaz. vol. 133; p. 2126.
- Street-cleaner. R. L. Worthington. No. 897,505; Sept. 1; Sp. p. 539; Dr. p. 115; Gaz. vol. 136; p. 86.
- Street-cleaning apparatus. C. H. Butler. No. 880,124; Feb. 25; Sp. p. 4008; Dr. pp. 971-2; Gaz. vol. 132; p. 1684.
- Street-cleaning machine. O. Neukirch. No. 880,392; Feb. 25; Sp. p. 5150; Dr. p. 1087; Gaz. vol. 132; p. 1772.
- Street-cleaning machine. F. Rogowski. No. 895,201; Aug. 4; Sp. p. 855; Dr. pp. 179-80; Gaz. vol. 135; p. 1036.
- Street-cleaning push-cart. J. H. Byram. No. 896,799; Aug. 25; Sp. p. 4040; Dr. p. 870; Gaz. vol. 135; p. 1623.
- Street-indicating device. T. W. Small. No. 896,474; Aug. 18; Sp. p. 3381; Dr. pp. 727-8; Gaz. vol. 135; p. 1496.
- Street-indicator, Automatic. T. Tighe and C. S. Cross. No. 881,503; Mar. 10; Sp. p. 2014; Dr. p. 440; Gaz. vol. 133; p. 366.
- Street-number indicator for houses. A. Goldbard. No. 904,773; Nov. 24; Sp. p. 4619; Gaz. vol. 137; p. 831.
- Street or roadway structure. N. Lafon. No. 880,312; Feb. 25; Sp. p. 4993; Dr. p. 1054; Gaz. vol. 132; p. 1747.
- Street or station indicator. P. M. Higgins and L. D. Harmes. No. 876,803; Jan. 14; Sp. p. 2256; Dr. pp. 496-7; Gaz. vol. 132; p. 401.
- Street-scraper. H. T. Toy. No. 887,874; May 19; Sp. p. 3141; Dr. p. 600; Gaz. vol. 134; p. 566.
- Street-sweeper. C. K. Pevey. No. 876,727; Jan. 14; Sp. p. 2130; Dr. p. 468; Gaz. vol. 132; p. 378.
- Street-sweeper. J. H. Long. No. 881,323; Mar. 10; Sp. p. 1659; Dr. p. 355; Gaz. vol. 133; p. 309.
- Street-sweeper. J. Nelson. No. 882,578; Mar. 24; Sp. p. 4149; Dr. p. 880; Gaz. vol. 133; p. 777.
- Street-sweeper. M. V. Ruff. No. 884,421; Apr. 14; Sp. p. 1516; Dr. p. 325; Gaz. vol. 133; p. 1465.
- Street-sweeper. C. O. Smith. No. 886,430; May 5; Sp. p. 177; Dr. p. 38; Gaz. vol. 134; p. 34.
- Street-sweeper. E. E. Hall. No. 887,040; May 5; Sp. p. 1393; Dr. p. 296; Gaz. vol. 134; p. 231.
- Street-sweeper. R. I. Madden. No. 889,797; June 2; Sp. p. 1180; Dr. p. 273; Gaz. vol. 134; p. 1251.
- Street-sweeper. W. S. Beeman. No. 897,705; Sept. 1; Sp. p. 941; Dr. pp. 200-1; Gaz. vol. 136; p. 151.
- Street-sweeper. L. A. Crozier. No. 901,154; Oct. 13; Sp. p. 2252; Dr. p. 458; Gaz. vol. 136; p. 1453.
- Street sweeper and cleaner, Combined. H. A. Huber. No. 892,260; June 30; Sp. p. 6224; Dr. p. 1341; Gaz. vol. 134; p. 2182.
- Street tarring and sanding machine. W. C. Southgate. No. 894,859; Aug. 4; Sp. p. 110; Dr. p. 24; Gaz. vol. 135; p. 919.
- Street-washing machine. T. M. Murphy. No. 900,870; Oct. 13; Sp. p. 1704; Dr. pp. 344-5; Gaz. vol. 136; p. 1362.
- Stretcher. A. L. Southmayd. No. 879,335; Feb. 18; Sp. p. 2945; Dr. p. 614; Gaz. vol. 132; p. 1394.
- Stretcher. H. Wilson and R. B. MacFarland. No. 899,279; Sept. 22; Sp. p. 4044; Dr. p. 864; Gaz. vol. 136; p. 750.
- Stretching device, Portable. E. T. Stephens. No. 906,828; Dec. 15; Sp. p. 3301; Gaz. vol. 137; p. 1592.
- Stretching-machine. C. H. Knapp. No. 907,247; Dec. 22; Sp. p. 4150; Gaz. vol. 137; p. 1763.
- Stretching-machine bar. C. H. Knapp. No. 895,868; Aug. 11; Sp. p. 2190; Dr. p. 466; Gaz. vol. 135; p. 1277.
- Striking-bag support. F. P. Aumann. No. 892,388; July 7; Sp. p. 1; Dr. p. 1; Gaz. vol. 135; p. 3.
- Striking-cup attachment. B. E. Taylor. No. 892,771; July 7; Sp. p. 743; Dr. p. 157; Gaz. vol. 135; p. 128.
- Striking-machine. R. A. Nokes and W. W. Gordon. No. 898,129; Sept. 8; Sp. p. 1832; Dr. p. 390; Gaz. vol. 136; p. 319.
- String-fastener. C. H. and C. L. Chandler. No. 898,319; Sept. 8; Sp. p. 2183; Dr. p. 463; Gaz. vol. 136; p. 378.
- String instruments, Resonant box of. G. Somerville. No. 881,206; Mar. 10; Sp. p. 1414; Dr. p. 305; Gaz. vol. 133; p. 270.
- Stringed instrument. A. E. Mathey. No. 885,269; Apr. 21; Sp. p. 3298; Dr. p. 689; Gaz. vol. 133; p. 1774.
- Stringer and tie. J. W. Cooper. No. 897,592; Sept. 1; Sp. p. 720; Dr. p. 152; Gaz. vol. 136; p. 114.
- Strip-delivering device. C. H. Goddard. No. 893,477; July 14; Sp. p. 2210; Dr. p. 464; Gaz. vol. 135; p. 389.
- Strip-feeding machine. L. C. Wing. No. 890,114; June 9; Sp. p. 1837; Dr. pp. 405-6; Gaz. vol. 134; p. 1383.
- Strip-feeding mechanism. C. E. Brooks. No. 901,517; Oct. 20; Sp. p. 3053; Dr. pp. 623-4; Gaz. vol. 136; p. 1610.
- Strip-serving device. S. Elliott. (Reissue.) No. 12,836; July 28; Sp. p. 5038; Dr. p. 1049; Gaz. vol. 135; p. 877.
- Strip-serving device. H. P. Roberts. No. 897,258; Aug. 25; Sp. p. 5106; Dr. p. 1066; Gaz. vol. 135; p. 1779.
- Strip-serving device. F. S. Anable. No. 897,509; Sept. 1; Sp. p. 549; Dr. p. 116; Gaz. vol. 136; p. 88.
- Strip-serving device. F. S. Anable. No. 897,510; Sept. 1; Sp. p. 552; Dr. p. 116; Gaz. vol. 136; p. 88.
- Stripper. J. F. Thomas. No. 880,111; Feb. 25; Sp. p. 4580; Dr. p. 965; Gaz. vol. 132; p. 1679.
- Stripping device. G. E. Duval. No. 894,821; Aug. 4; Sp. p. 43; Dr. p. 9; Gaz. vol. 135; p. 907.
- Stripping-machine. J. Lorenzen. No. 894,841; Aug. 4; Sp. p. 80; Dr. p. 17; Gaz. vol. 135; p. 914.
- Structure made of bricks for recreation-towers, heat-compensation apparatus, and the like. R. Scherfenberg. No. 888,120; May 19; Sp. p. 3605; Dr. p. 755; Gaz. vol. 134; p. 645.
- Structure, Reinforced. D. W. Norton. No. 901,551; Oct. 20; Sp. p. 3117; Dr. p. 636; Gaz. vol. 136; p. 1621.
- Stub-making apparatus. A. C. Hafely. No. 907,995; Dec. 29; Sp. p. 5716; Gaz. vol. 137; p. 2040.
- Stud. J. L. Herzog. No. 908,003; Dec. 29; Sp. p. 5736; Gaz. vol. 137; p. 2043.
- Stud, Hair-spring. W. C. Ball and L. N. Cobb. No. 906,366; Dec. 8; Sp. p. 2447; Gaz. vol. 137; p. 1420.
- Stud, Lacing-. L. B. Davis. No. 901,694; Oct. 20; Sp. p. 3436; Dr. p. 697; Gaz. vol. 136; p. 1668.
- Stud or rivet. E. B. Stimpson. No. 897,319; Sept. 1; Sp. p. 125; Dr. p. 26; Gaz. vol. 136; p. 19.
- Stud to be used in the construction of non-skidding bands and tires, Compound. C. Payne. No. 896,145; Aug. 18; Sp. p. 2708; Dr. p. 585; Gaz. vol. 135; p. 1387.
- Stuffing-box. F. Kugel. No. 877,093; Jan. 21; Sp. p. 2897; Dr. pp. 626-7; Gaz. vol. 132; p. 538.
- Stuffing-box. F. M. Beamer. No. 882,613; Mar. 24; Sp. p. 4220; Dr. p. 894; Gaz. vol. 133; p. 790.
- Stuffing-box. F. A. Dailey and B. Long. No. 884,318; Apr. 7; Sp. p. 1302; Dr. p. 276; Gaz. vol. 133; p. 1401.
- Stuffing-box. E. J. Salt and C. L. Herb. No. 884,864; Apr. 14; Sp. p. 2463; Dr. p. 518; Gaz. vol. 133; p. 1612.
- Stuffing-box. A. G. Heggem. No. 888,166; May 19; Sp. p. 3690; Dr. p. 769; Gaz. vol. 134; p. 658.
- Stuffing-box. J. C. Young. No. 889,740; June 2; Sp. p. 1081; Dr. p. 250; Gaz. vol. 134; p. 1233.
- Stuffing-box. J. H. Gately. No. 893,793; July 21; Sp. p. 2951; Dr. p. 603; Gaz. vol. 135; p. 523.
- Stuffing-box. J. C. Young. No. 896,190; Aug. 18; Sp. p. 2793; Dr. p. 602; Gaz. vol. 135; p. 1401.
- Stuffing-box. A. E. Taylor. No. 896,870; Aug. 25; Sp. p. 4192; Dr. p. 898; Gaz. vol. 135; p. 1647.
- Stuffing-box. W. J. Weinman. No. 902,352; Oct. 27; Sp. p. 4790; Dr. p. 967; Gaz. vol. 136; p. 1912.
- Stuffing-box. D. L. Heeter. No. 906,134; Dec. 8; Sp. p. 2003; Gaz. vol. 137; p. 1342.
- Stuffing-box for throttles and valve-stems. J. Maloy and A. White. No. 878,009; Feb. 4; Sp. p. 223; Dr. p. 49; Gaz. vol. 132; p. 857.
- Stuffing-box with reversible gland. G. S. Power. No. 881,867; Mar. 10; Sp. p. 2742; Dr. p. 587; Gaz. vol. 133; p. 485.
- Stuffing-machine. J. L. Allen. No. 878,761; Feb. 11; Sp. p. 1837; Dr. pp. 379-80; Gaz. vol. 132; p. 1168.
- Stump and brush cutting machine. T. Rustad. No. 889,970; June 9; Sp. p. 1541; Dr. p. 348; Gaz. vol. 134; p. 1334.
- Stump and root puller. C. Bittner. No. 881,657; Mar. 10; Sp. p. 2327; Dr. p. 504; Gaz. vol. 133; p. 418.
- Stump and tree puller. S. M. Smith. No. 889,488; June 2; Sp. p. 608; Dr. p. 142; Gaz. vol. 134; p. 1153.
- Stump-puller. E. A. Grunden. No. 875,808; Jan. 7; Sp. p. 253; Dr. p. 54; Gaz. vol. 132; p. 47.
- Stump-puller. R. B. Barrow. No. 888,296; May 19; Sp. p. 3930; Dr. p. 827; Gaz. vol. 134; p. 702.
- Stump-puller. C. E. C. Edey. No. 894,731; July 28; Sp. p. 4879; Dr. p. 1015; Gaz. vol. 135; p. 851.
- Stump-puller. J. Lynch. No. 894,843; Aug. 4; Sp. p. 82; Dr. pp. 17-18; Gaz. vol. 135; p. 914.
- Stump-puller. J. C. Heyman. No. 898,887; Sept. 15; Sp. p. 3279; Dr. p. 701; Gaz. vol. 136; p. 595.
- Stump-puller. W. C. F. Zimmerman. No. 905,399; Dec. 1; Sp. p. 537; Gaz. vol. 137; p. 1076.
- Stump-sawing machine. E. B. Webster. No. 906,839; Dec. 15; Sp. p. 3324; Gaz. vol. 137; p. 1595.
- Subaqueous foundation. A. F. Fells. No. 895,398; Aug. 4; Sp. p. 1233; Dr. p. 260; Gaz. vol. 135; p. 1101.
- Submarine jacket. L. Y. Spear and F. T. Cable. No. 894,757; July 28; Sp. p. 4926; Dr. pp. 1025-6; Gaz. vol. 135; p. 859.
- Submarine operations, Apparatus for. F. H. Jackson. No. 901,104; Oct. 13; Sp. p. 2171; Dr. pp. 441-2; Gaz. vol. 136; p. 1437.
- Submarine viewing apparatus. M. Samaha. No. 885,087; Apr. 21; Sp. p. 2893; Dr. p. 614; Gaz. vol. 133; p. 1713.
- Submerged bodies, Apparatus for examining. D. Pépin, Sr. No. 881,148; Mar. 10; Sp. p. 1313; Dr. p. 283; Gaz. vol. 133; p. 253.
- Submerged objects, Apparatus for recovering. F. H. C. Heyn. No. 897,620; Sept. 1; Sp. p. 779; Dr. p. 164; Gaz. vol. 136; p. 123.
- Substation-protector. F. B. Cook. No. 897,590; Sept. 1; Sp. p. 715; Dr. p. 150; Gaz. vol. 136; p. 113.
- Suckling arrangement for pigs. A. Grünwald. No. 898,878; Sept. 15; Sp. p. 3258; Dr. p. 697; Gaz. vol. 136; p. 592.
- Suction-machine, Centrifugal. C. Neumann. No. 882,477; Mar. 17; Sp. p. 3933; Dr. p. 841; Gaz. vol. 133; p. 712.
- Sugar-bowl, Spoon-holding. W. Utigard. No. 899,357; Sept. 22; Sp. p. 4177; Dr. p. 894; Gaz. vol. 136; p. 775.
- Sugar-cane in the field, Apparatus for cutting. J. M. Callejas y Becerra. No. 903,666; Nov. 10; Sp. p. 2269; Gaz. vol. 137; p. 401.
- Sugar, Crystallizing. H. C. Christianson. No. 880,629; Mar. 3; Sp. p. 283; Dr. p. 61; Gaz. vol. 133; p. 50.
- Sugar-juices, Purification of. C. H. Bertels. No. 901,147; Oct. 13; Sp. p. 2243; Gaz. vol. 136; p. 1451.
- Sugar over biscuits, cakes, &c., Apparatus for distributing. G. Herbert, Jr. No. 907,351; Dec. 22; Sp. p. 4334; Gaz. vol. 137; p. 1799.
- Sugar-producing product. G. W. McMullen. No. 898,592; Sept. 15; Sp. p. 2716; Gaz. vol. 136; p. 499.
- Suit-case. F. N. Bourne. No. 892,125; June 30; Sp. p. 5967; Dr. p. 1283; Gaz. vol. 134; p. 2138.
- Suit-cases, &c., Fastening for handles of. F. H. White. No. 882,601; Mar. 24; Sp. p. 4192; Dr. p. 889; Gaz. vol. 133; p. 785.

Alphabetical list of inventions—Continued.

- Suit-hanger. E. L. Henderson. No. 901,002; Oct. 13; Sp. p. 1979; Dr. p. 402; Gaz. vol. 136; p. 1406.
 Suit-hanger, Lady's. E. T. Neumann. No. 877,944; Feb. 4; Sp. p. 100; Dr. p. 23; Gaz. vol. 132; p. 865.
 Suit or sample cases, Looking and supporting means for. H. Wennerström. No. 878,698; Feb. 11; Sp. p. 1713; Dr. p. 354; Gaz. vol. 132; p. 1148.
 Sulfid ores, Treatment of complex. G. de Bechi. No. 880,775; Mar. 3; Sp. p. 579; Gaz. vol. 133; p. 100.
 Sulfids and producing vanadium, Reducing metallic. F. M. Becket. No. 876,313; Jan. 14; Sp. p. 1245; Gaz. vol. 132; p. 239.
 Sulfur-burner. J. F. Conrad. No. 886,948; May 5; Sp. p. 1214; Dr. p. 256; Gaz. vol. 134; p. 202.
 Sulfur-burner. G. A. Stebbins. No. 906,574; Dec. 15; Sp. p. 2828; Gaz. vol. 137; p. 1512.
 Sulfur-burners, Feeding device for. A. Tromblee. No. 885,891; Apr. 28; Sp. p. 4563; Dr. p. 957; Gaz. vol. 133; p. 2004.
 Sulfur dioxide of commercially uniform temperature and concentration, Producing. J. L. Tufts. No. 891,115; June 16; Sp. p. 3888; Dr. p. 851; Gaz. vol. 134; p. 1741.
 Sulfur from sulfur-bearing gases, Recovery of. P. S. Smith. No. 878,569; Feb. 11; Sp. p. 1445; Dr. p. 295; Gaz. vol. 132; p. 1105.
 Sulfur, &c., Manufacture of. H. Köhler. No. 898,378; Sept. 8; Sp. p. 2291; Gaz. vol. 136; p. 398.
 Sulfur-spraying apparatus. D. E. Rosasco. No. 892,307; June 30; Sp. p. 6318; Dr. p. 1361; Gaz. vol. 134; p. 2198.
 Sulfuric anhydride, Catalytic apparatus for making. G. Eschellmann and A. Harmuth. (Reissue.) No. 12,759; Mar. 10; Sp. p. 2784; Dr. p. 597; Gaz. vol. 133; p. 492.
 Sulfurous leuco bodies and making same. B. Homolka and R. Welde. No. 894,006; July 21; Sp. p. 3395; Gaz. vol. 135; p. 593.
 Sulkies and gang-plows, Attachment for. J. T. Toland. No. 886,895; May 5; Sp. p. 1122; Dr. p. 235; Gaz. vol. 134; p. 184.
 Sunbonnet. C. E. Yount, Sr. No. 877,029; Jan. 21; Sp. p. 2775; Dr. p. 600; Gaz. vol. 132; p. 519.
 Sunbonnet. C. E. Yount, Sr. No. 884,553; Apr. 14; Sp. p. 1793; Dr. p. 385; Gaz. vol. 133; p. 1509.
 Sunbonnet. N. F. Winget. No. 906,970; Dec. 8; Sp. p. 1682; Gaz. vol. 137; p. 1290.
 Sunshade. W. L. Ridout. No. 881,720; Mar. 10; Sp. p. 2449; Dr. p. 527; Gaz. vol. 133; p. 436.
 Sunshade. J. H. Coffman. No. 885,438; Apr. 21; Sp. p. 3640; Dr. p. 764; Gaz. vol. 133; p. 1829.
 Sunshade-gear for personal wear. W. L. Ridout. No. 904,085; Nov. 17; Sp. p. 3147; Gaz. vol. 137; p. 571.
 Superheater. J. M. McClellon. No. 880,562; Mar. 3; Sp. p. 133; Dr. p. 30; Gaz. vol. 133; p. 27.
 Superheater. E. H. Foster. No. 883,871; Apr. 7; Sp. p. 409; Dr. p. 80; Gaz. vol. 133; p. 1256.
 Superheater. E. D. Meier. No. 895,187; Aug. 4; Sp. p. 818; Dr. pp. 171-3; Gaz. vol. 135; p. 1031.
 Superheater. J. H. Meissner. No. 899,060; Sept. 22; Sp. p. 3586; Dr. p. 768; Gaz. vol. 136; p. 677.
 Superheater. H. B. Oatley. No. 902,440; Oct. 27; Sp. p. 4968; Dr. pp. 1003-4; Gaz. vol. 136; p. 1939.
 Superheater-boiler. J. E. Bell. No. 907,118; Dec. 22; Sp. p. 3869; Gaz. vol. 137; p. 1719.
 Superphosphate-chambers, Device for emptying. A. P. Keller. No. 892,593; July 7; Sp. p. 383; Dr. p. 84; Gaz. vol. 135; p. 71.
 Superphosphate masses, Apparatus for cutting up. F. Griesel. No. 899,042; Sept. 22; Sp. p. 3558; Dr. p. 762; Gaz. vol. 136; p. 672.
 Supervisory apparatus. K. Friedlaender. No. 878,791; Feb. 11; Sp. p. 1907; Dr. p. 392; Gaz. vol. 132; p. 1179.
 Supervisory system. M. S. Conner. No. 901,683; Oct. 20; Sp. p. 3379; Dr. p. 692; Gaz. vol. 136; p. 1663.
 Support and power mechanism, Portable. J. C. Steiner. No. 883,984; Apr. 7; Sp. p. 644; Dr. p. 129; Gaz. vol. 133; p. 1294.
 Supporter. *See* Hose-supporter.
 Supporter. N. Johnson. No. 905,705; Dec. 1; Sp. p. 1173; Gaz. vol. 137; p. 1174.
 Supporter and protector. R. H. Huddleston. No. 903,472; Nov. 10; Sp. p. 1874; Gaz. vol. 137; p. 338.
 Supporter device. J. E. Rhodes. No. 903,230; Nov. 10; Sp. p. 1397; Gaz. vol. 137; p. 258.
 Supporting clamp, Horn-. W. Harrison. No. 908,256; Dec. 29; Sp. p. 6267; Gaz. vol. 137; p. 2129.
 Supporting device. C. A. Hopkins. No. 878,801; Feb. 4; Sp. p. 1922; Dr. p. 397; Gaz. vol. 132; p. 1182.
 Supporting device. E. Norton. No. 886,241; Apr. 28; Sp. p. 5263; Dr. p. 1109; Gaz. vol. 133; p. 2118.
 Supporting device. M. M. Black. No. 892,800; July 7; Sp. p. 797; Dr. p. 168; Gaz. vol. 135; p. 137.
 Supporting device, Adjustable. L. H. Kennedy. No. 906,893; Dec. 15; Sp. p. 3438; Gaz. vol. 137; p. 1612.
 Supporting mechanism. G. Cutter. No. 900,265; Oct. 6; Sp. p. 415; Dr. pp. 84-5; Gaz. vol. 136; p. 1137.
 Supporting or display rack or stand. M. E. Hill. No. 896,990; Aug. 25; Sp. p. 4472; Dr. p. 955; Gaz. vol. 135; p. 1687.
 Supporting-pin. M. A. Cochran. No. 895,728; Aug. 11; Sp. p. 1912; Dr. p. 406; Gaz. vol. 135; p. 1233.
 Supporting pin, Collar-. C. S. Fisher. No. 908,233; Dec. 29; Sp. p. 6231; Gaz. vol. 137; p. 2121.
 Supporting-rack. J. S. Bunnell. No. 891,142; June 16; Sp. p. 3934; Dr. p. 861; Gaz. vol. 134; p. 1749.
 Surface-finish, One-coat. G. Dosselman and J. S. Motter. No. 890,504; June 9; Sp. p. 2627; Gaz. vol. 134; p. 1509.
 Surface-finish, One-coat. G. Dosselman. No. 893,987; July 21; Sp. p. 3364; Gaz. vol. 135; p. 587.
 Surface-finishes, Removing. G. Dosselman and P. Neymann. No. 907,685; Dec. 22; Sp. p. 5074; Gaz. vol. 137; p. 1909.
 Surface-trimming machine. S. Brown. No. 876,938; Jan. 21; Sp. p. 2572; Dr. pp. 560-1; Gaz. vol. 132; p. 486.
 Surfacing-machine. C. A. Edlund. No. 876,155; Jan. 7; Sp. p. 915; Dr. p. 198; Gaz. vol. 132; p. 155.
 Surfacing-machine. J. F. Stoll. No. 890,312; June 9; Sp. p. 2274; Dr. pp. 501-2; Gaz. vol. 134; p. 1448.
 Surfacing-machine head. J. F. Stoll. No. 883,920; Apr. 7; Sp. p. 505; Dr. p. 100; Gaz. vol. 133; p. 1273.
 Surfacing-machine, Pneumatic. G. L. Badger. No. 906,850; Dec. 15; Sp. p. 3345; Gaz. vol. 137; p. 1599.
 Surgeon's knife. R. K. Gregory. No. 878,524; Feb. 11; Sp. p. 1344; Dr. p. 272; Gaz. vol. 132; p. 1089.
 Surgeon's-needle holder. A. F. Sether. No. 905,007; Nov. 24; Sp. p. 5101; Gaz. vol. 137; p. 909.
 Surgical appliance. L. G. Scarpa. No. 894,066; July 21; Sp. p. 3527; Dr. p. 723; Gaz. vol. 135; p. 614.
 Surgical appliance. W. C. Yates. No. 894,929; Aug. 4; Sp. p. 316; Dr. p. 63; Gaz. vol. 135; p. 945.
 Surgical appliance. M. R. Cutting. No. 904,760; Nov. 24; Sp. p. 4575; Gaz. vol. 137; p. 826.
 Surgical bandage. M. A. Willott. No. 887,886; May 19; Sp. p. 3163; Dr. p. 665; Gaz. vol. 134; p. 569.
 Surgical device. J. H. English. No. 905,301; Dec. 1; Sp. p. 332; Gaz. vol. 137; p. 1041.
 Surgical instrument. C. N. Coulter. No. 889,662; June 2; Sp. p. 914; Dr. p. 212; Gaz. vol. 134; p. 1209.
 Surgical instrument. W. H. Barnes. No. 900,343; Oct. 6; Sp. p. 571; Dr. p. 118; Gaz. vol. 136; p. 1162.
 Surgical package. F. P. Gates, J. D. Cogswell, and H. L. Grant. No. 907,331; Dec. 22; Sp. p. 4305; Gaz. vol. 137; p. 1792.
 Surgical pad. J. A. Murray. No. 880,389; Feb. 25; Sp. p. 5137; Dr. p. 1085; Gaz. vol. 132; p. 1771.
 Surgical purposes, Mouth-gag for. A. M. McIntosh. No. 902,993; Nov. 3; Sp. p. 934; Gaz. vol. 137; p. 154.
 Surgical screw-bolt. A. Depage. No. 887,074; May 12; Sp. p. 1475; Dr. p. 313; Gaz. vol. 134; p. 271.
 Surgical splint. C. A. Walker. No. 896,674; Aug. 18; Sp. p. 3751; Dr. p. 808; Gaz. vol. 135; p. 1557.
 Surgical table. S. M. Langworthy. No. 901,628; Oct. 20; Sp. p. 3265; Dr. pp. 669-70; Gaz. vol. 136; p. 1644.
 Surveying and navigation, Combination of means for. R. L. Stevens. No. 876,604; Jan. 14; Sp. p. 1891; Dr. pp. 413-14; Gaz. vol. 132; p. 338.
 Surveying instrument. F. A. Waugh. No. 884,245; Apr. 7; Sp. p. 1186; Dr. p. 250; Gaz. vol. 133; p. 1379.
 Surveying instrument. A. A. Brothen. No. 889,196; June 2; Sp. p. 17; Dr. p. 4; Gaz. vol. 134; p. 1060.
 Surveying-instrument base. C. L. Berger. No. 906,680; Dec. 15; Sp. p. 3017; Gaz. vol. 137; p. 1544.
 Surveyor's instrument. H. C. Schultz. No. 902,918; Nov. 3; Sp. p. 778; Gaz. vol. 137; p. 129.
 Surveyor's stake. T. Josenhans. No. 885,850; Apr. 28; Sp. p. 4494; Dr. p. 944; Gaz. vol. 133; p. 1990.
 Suspender attachment. P. S. Hay. No. 903,376; Nov. 10; Sp. p. 1674; Gaz. vol. 137; p. 306.
 Suspender attachment. J. Hauser. No. 904,955; Nov. 24; Sp. p. 4994; Gaz. vol. 137; p. 891.
 Suspender cast-off. J. J. Buchanan. No. 876,262; Jan. 7; Sp. p. 1118; Dr. p. 242; Gaz. vol. 132; p. 189.
 Suspender cast-off. J. J. Buchanan. No. 876,263; Jan. 7; Sp. p. 1118; Dr. p. 242; Gaz. vol. 132; p. 189.
 Suspender-connector, Adjustable. A. T. Moore. No. 883,899; Apr. 7; Sp. p. 464; Dr. p. 91; Gaz. vol. 133; p. 1266.
 Suspender-end. C. E. Wyant. No. 876,855; Jan. 14; Sp. p. 2361; Dr. p. 517; Gaz. vol. 132; p. 418.
 Suspender-end. R. A. Moore, Jr. No. 887,414; May 12; Sp. p. 2222; Dr. p. 464; Gaz. vol. 134; p. 383.
 Suspender-hook and drawers-support. C. B. Dickerson. No. 884,906; Apr. 14; Sp. p. 2523; Dr. p. 533; Gaz. vol. 133; p. 1623.
 Suspenders. W. R. Oppenheimer. No. 877,516; Jan. 28; Sp. p. 3758; Dr. p. 814; Gaz. vol. 132; p. 700.
 Suspenders. H. Couthri. No. 878,508; Feb. 11; Sp. p. 1315; Dr. p. 266; Gaz. vol. 132; p. 1085.
 Suspenders. M. Neima. No. 881,482; Mar. 10; Sp. p. 1980; Dr. pp. 431-2; Gaz. vol. 133; p. 359.
 Suspenders. J. Bustanoby. No. 894,365; July 28; Sp. p. 4166; Dr. p. 860; Gaz. vol. 135; p. 733.
 Suspenders. A. Schad. No. 894,907; Aug. 4; Sp. p. 241; Dr. p. 51; Gaz. vol. 135; p. 936.
 Suspenders. W. C. Fisher. No. 900,090; Oct. 6; Sp. p. 37; Dr. pp. 6-7; Gaz. vol. 136; p. 1080.
 Suspenders. W. Freeman. No. 900,921; Oct. 13; Sp. p. 1816; Dr. p. 368; Gaz. vol. 136; p. 1378.
 Suspenders. H. G. Schelle. No. 907,896; Dec. 29; Sp. p. 5499; Gaz. vol. 137; p. 2008.
 Suspenders, Adjustable. E. J. Hayden. No. 877,332; Jan. 21; Sp. p. 3389; Dr. p. 734; Gaz. vol. 132; p. 618.
 Suspenders, Adjustment for. P. Zuckriegel. No. 903,429; Nov. 10; Sp. p. 1776; Gaz. vol. 137; p. 323.
 Suspenders and the like, Adjustable fastener for. G. Newman. No. 890,999; June 16; Sp. p. 3691; Dr. p. 805; Gaz. vol. 134; p. 1705.
 Suspenders, braces, &c. W. Freeman. No. 885,463; Apr. 21; Sp. p. 3682; Dr. p. 771; Gaz. vol. 133; p. 1837.
 Suspenders for overalls. H. G. Schelle. No. 907,897; Dec. 29; Sp. p. 5500; Gaz. vol. 137; p. 2008.
 Suspenders, Man's. S. Brown. No. 904,176; Nov. 17; Sp. p. 3356; Gaz. vol. 137; p. 604.
 Suspending-frame, Collapsible. H. Levin. No. 903,994; Nov. 17; Sp. p. 2958; Gaz. vol. 137; p. 540.
 Suspensory device. F. Day. No. 902,647; Nov. 3; Sp. p. 228; Gaz. vol. 137; p. 38.

Alphabetical list of inventions—Continued.

- Suspensory, Shirt-. W. S. Wootton. No. 887,450; May 12; Sp. p. 2284; Dr. p. 479; Gaz. vol. 134; p. 395.
- Sustaining and propelling mechanism. D. B. Littlefield. No. 882,899; Mar. 24; Sp. p. 4794; Dr. pp. 1019-20; Gaz. vol. 133; p. 882.
- Suture and ligature container. H. A. Flanders. No. 889,361; June 2; Sp. p. 334; Dr. p. 78; Gaz. vol. 134; p. 1112.
- Swab-stick attachment. E. Wollgien. No. 890,744; June 16; Sp. p. 3162; Dr. p. 692; Gaz. vol. 134; p. 1621.
- Swage. E. D. Castle. No. 894,722; July 28; Sp. p. 4863; Dr. p. 1012; Gaz. vol. 135; p. 849.
- Swaging seamless crowns, Press for. W. G. Bridge. No. 884,311; Apr. 7; Sp. p. 1291; Dr. p. 274; Gaz. vol. 133; p. 1399.
- Sweat-band. T. J. Asch. No. 896,507; Aug. 18; Sp. p. 3452; Dr. p. 742; Gaz. vol. 135; p. 1507.
- Sweep-holder. W. W. Reid. No. 888,849; May 26; Sp. p. 5093; Dr. p. 1086; Gaz. vol. 134; p. 914.
- Sweeper. O. Kampfe. No. 894,011; July 21; Sp. p. 3405; Dr. p. 696; Gaz. vol. 135; p. 594.
- Sweeping composition. O. W. Severns. No. 908,041; Dec. 29; Sp. p. 5803; Gaz. vol. 137; p. 2055.
- Sweeping compound. J. Stollenberg. No. 877,137; Jan. 21; Sp. p. 2397; Gaz. vol. 132; p. 554.
- Sweeping compound. W. Redearn. No. 907,403; Dec. 22; Sp. p. 4434; Gaz. vol. 137; p. 1816.
- Sweeping compound, Floor-. C. R. Cave. No. 891,525; June 23; Sp. p. 4751; Gaz. vol. 134; p. 1909.
- Sweeping-machine. J. J. De Spain. No. 907,755; Dec. 29; Sp. p. 5210; Gaz. vol. 137; p. 1962.
- Sweetmeat, such as chocolate, Manufacture of. V. Hain. No. 890,300; Feb. 25; Sp. p. 4975; Dr. p. 1050; Gaz. vol. 132; p. 1743.
- Swimming-glove. A. A. Brenton. No. 894,311; July 28; Sp. p. 4059; Dr. p. 838; Gaz. vol. 135; p. 715.
- Swing. A. P. Boyer. No. 876,934; Jan. 21; Sp. p. 2559; Dr. pp. 558-9; Gaz. vol. 132; p. 464.
- Swing. O. P. Vroom. No. 873,101; Feb. 4; Sp. p. 420; Dr. p. 89; Gaz. vol. 132; p. 916.
- Swing. G. Kuhn. No. 873,965; Feb. 11; Sp. p. 2219; Dr. p. 465; Gaz. vol. 132; p. 1233.
- Swing. W. T. Green. No. 886,799; May 5; Sp. p. 960; Dr. pp. 200-1; Gaz. vol. 134; p. 156.
- Swing. M. Hathaway. No. 886,974; May 5; Sp. p. 1263; Dr. p. 267; Gaz. vol. 134; p. 210.
- Swing. A. P. Boyer. No. 889,576; June 2; Sp. p. 766; Dr. pp. 175-6; Gaz. vol. 134; p. 1180.
- Swing. F. P. Rathbone. No. 890,375; June 9; Sp. p. 2390; Dr. p. 527; Gaz. vol. 134; p. 1468.
- Swing. B. English. No. 892,664; July 7; Sp. p. 529; Dr. p. 112; Gaz. vol. 135; p. 94.
- Swing. M. E. Best. No. 900,649; Oct. 6; Sp. p. 1240; Dr. p. 254; Gaz. vol. 136; p. 1263.
- Swing. J. Pollmer and J. Wilcofsky. No. 902,486; Oct. 27; Sp. p. 5070; Dr. p. 1026; Gaz. vol. 136; p. 1955.
- Swing. S. W. Newcomb. No. 905,740; Dec. 1; Sp. p. 1244; Gaz. vol. 137; p. 1186.
- Swing, Exercising-. F. Medart. No. 907,076; Dec. 15; Sp. p. 3763; Gaz. vol. 137; p. 1670.
- Swing, Lawn-. W. S. Tothill. No. 886,444; May 5; Sp. p. 201; Dr. p. 43; Gaz. vol. 134; p. 38.
- Swing, Observation-. W. S. Ritch. No. 876,941; Jan. 14; Sp. p. 2334; Dr. p. 512; Gaz. vol. 132; p. 413.
- Swing, Rotary. R. D. Patterson. No. 879,310; Feb. 18; Sp. p. 2907; Dr. p. 606; Gaz. vol. 132; p. 1386.
- Swing, Seesaw and rotary. I. S. Woodward. No. 879,937; Feb. 25; Sp. p. 4251; Dr. p. 889; Gaz. vol. 132; p. 1624.
- Swings, benches, &c., Anchor and base-plate for lawn. A. W. H. Weber. No. 901,761; Oct. 20; Sp. p. 3568; Dr. p. 722; Gaz. vol. 136; p. 1690.
- Swinging chair. J. C. Barnhart. No. 898,305; Sept. 8; Sp. p. 2162; Dr. p. 459; Gaz. vol. 136; p. 373.
- Swinging chair. N. Burke. No. 907,733; Dec. 29; Sp. p. 5165; Gaz. vol. 137; p. 1954.
- Swinging gate. W. J. Knutzen. No. 881,413; Mar. 10; Sp. p. 1339; Dr. p. 399; Gaz. vol. 133; p. 337.
- Swinging gate. G. H. Skins. No. 895,469; Aug. 11; Sp. p. 1386; Dr. pp. 291-2; Gaz. vol. 135; p. 1146.
- Swinging gate. J. B. Ray. No. 899,472; Sept. 22; Sp. p. 4377; Dr. p. 939; Gaz. vol. 136; p. 810.
- Swingletree. M. Hicks. No. 878,392; Feb. 4; Sp. p. 1002; Dr. p. 202; Gaz. vol. 132; p. 1013.
- Swingletree. A. J. Jefferson. No. 884,389; Apr. 14; Sp. p. 1462; Dr. p. 312; Gaz. vol. 133; p. 1455.
- Swingletree. A. E. Levins. No. 896,030; Aug. 11; Sp. p. 2511; Dr. p. 544; Gaz. vol. 135; p. 1330.
- Swingletree. A. E. Levins. No. 903,740; Nov. 10; Sp. p. 2403; Gaz. vol. 137; p. 422.
- Swingletree. W. L. Collins. No. 907,744; Dec. 29; Sp. p. 5186; Gaz. vol. 137; p. 1958.
- Swingletree and doubletree. G. P. Simpson. No. 903,113; Nov. 3; Sp. p. 1161; Gaz. vol. 137; p. 189.
- Swingletree-antirattler. W. Mehn. No. 888,183; May 19; Sp. p. 3717; Dr. p. 777; Gaz. vol. 134; p. 664.
- Swingletree attachment. S. D. Riegel. No. 888,194; May 19; Sp. p. 3732; Dr. p. 783; Gaz. vol. 134; p. 667.
- Swingletree-hook. C. C. Enders. No. 899,104; Sept. 22; Sp. p. 3675; Dr. p. 787; Gaz. vol. 136; p. 693.
- Swingletree-hook. B. F. Emery. No. 906,001; Dec. 8; Sp. p. 1754; Gaz. vol. 137; p. 1301.
- Swingletree or neck-yoke hook. J. L. Hecht. No. 880,734; Mar. 3; Sp. p. 496; Dr. p. 103; Gaz. vol. 133; p. 86.
- Swingletrees to doubletrees, Means for attaching. J. Lorenz. No. 881,423; Mar. 10; Sp. p. 1855; Dr. p. 403; Gaz. vol. 133; p. 340.
- Switch: See Alarm-switch; Automatic switch; Cable-switch; Carrier-switch; Connecting-switch; Controlling-switch; Current-switch; Derailing-switch; Electric switch; Electric-circuit time-switch; Electric-light switch; Electric snap-switch; Electric socket-switch; Electric time-switch; Electrically-controlled switch; Electrically-operated switch; Electromagnetic switch; Lock and electric switch; Multiple switch; Oil-switch; Overhead switch; Plug-seat switch; Push-button switch; Push-button snap-switch; Railway-switch; Reversing-switch; Rotary switch; Running switch; Safety-switch; Safety-limit switch; Telegraph-switch; Telephone-switch; Telephone hook-switch; Time-switch; Tongue-switch; Toy-railway switch; Track-switch; Tramway-switch; Trolley-switch; Two-button switch; Vehicle-switch; Wall-switch.
- Switch. C. H. Holley. No. 876,055; Jan. 7; Sp. p. 708; Dr. p. 152; Gaz. vol. 132; p. 123.
- Switch. C. S. Chamberlin and D. Harrington. No. 887,064; May 12; Sp. p. 1447; Dr. p. 307; Gaz. vol. 134; p. 267.
- Switch. J. L. Bailey. No. 893,970; July 21; Sp. p. 3319; Dr. p. 681; Gaz. vol. 135; p. 581.
- Switch. B. G. Watkins. No. 894,553; July 28; Sp. p. 4546; Dr. p. 942; Gaz. vol. 135; p. 793.
- Switch. L. B. Stevens. No. 897,559; Sept. 1; Sp. p. 656; Dr. p. 138; Gaz. vol. 136; p. 103.
- Switch. J. Q. A. Tinney. No. 898,285; Sept. 8; Sp. p. 2124; Dr. pp. 451-2; Gaz. vol. 136; p. 367.
- Switch. A. T. Foster. No. 899,967; Sept. 29; Sp. p. 5438; Dr. p. 1159; Gaz. vol. 136; p. 1009.
- Switch. L. H. Mouthrop. No. 908,307; Dec. 29; Sp. p. 6363; Gaz. vol. 137; p. 2146.
- Switch-actuating device. N. F. Roadhouse. No. 883,486; Mar. 31; Sp. p. 6003; Dr. pp. 1280-1; Gaz. vol. 133; p. 1107.
- Switch-actuating mechanism, Electric-. H. B. Snell. No. 883,150; Mar. 24; Sp. p. 5286; Dr. p. 1127; Gaz. vol. 133; p. 965.
- Switch-alarm, Automatic. H. Davis. No. 906,778; Dec. 15; Sp. p. 3215; Gaz. vol. 137; p. 1576.
- Switch and signal mechanism, Interlocking. G. H. Payne. No. 898,918; Sept. 15; Sp. p. 3330; Dr. pp. 713-14; Gaz. vol. 136; p. 605.
- Switch-base. W. R. Atkinson. No. 887,907; May 19; Sp. p. 3203; Dr. p. 673; Gaz. vol. 134; p. 576.
- Switch-box. T. J. Cleland. No. 884,466; Apr. 14; Sp. p. 1611; Dr. p. 348; Gaz. vol. 133; p. 1480.
- Switch-box. E. J. Dustman. No. 904,320; Nov. 17; Sp. p. 3679; Gaz. vol. 137; p. 654.
- Switch-box. A. G. Clark. No. 907,740; Dec. 29; Sp. p. 5178; Gaz. vol. 137; p. 1956.
- Switch-box, Universal. W. M. Brown. No. 901,776; Oct. 20; Sp. p. 3603; Dr. pp. 729-30; Gaz. vol. 136; p. 1695.
- Switch-button. C. A. Clark. No. 889,760; June 2; Sp. p. 1116; Dr. p. 259; Gaz. vol. 134; p. 1238.
- Switch-button. C. A. Clark. No. 889,871; June 2; Sp. p. 1328; Dr. p. 303; Gaz. vol. 134; p. 1276.
- Switch-clip. J. Clay. No. 883,389; Mar. 31; Sp. p. 5799; Dr. p. 1237; Gaz. vol. 133; p. 1073.
- Switch-controlling mechanism. J. M. Lieb. (Reissue.) No. 888,915; May 26; Sp. p. 5240; Dr. p. 1111; Gaz. vol. 134; p. 938.
- Switch-controlling mechanism. J. M. Lieb. (Reissue.) No. 12,901; Dec. 29; Sp. p. 6654; Gaz. vol. 137; p. 2192.
- Switch-cord plug. E. L. Smith. No. 886,262; Apr. 28; Sp. p. 5305; Dr. p. 1117; Gaz. vol. 133; p. 2126.
- Switch device. K. Abel and F. Pervieser. No. 878,591; Feb. 11; Sp. p. 1510; Dr. p. 307; Gaz. vol. 132; p. 1113.
- Switch device, Limit-. S. H. Kaunmacher. No. 891,425; June 23; Sp. p. 4547; Dr. p. 989; Gaz. vol. 134; p. 1876.
- Switch-frog. H. F. Roach. No. 902,451; Oct. 27; Sp. p. 4987; Dr. pp. 1009-10; Gaz. vol. 136; p. 1943.
- Switch-frog. H. F. Roach. No. 904,279; Nov. 17; Sp. p. 3581; Gaz. vol. 137; p. 639.
- Switch-frog. G. A. Robinson. No. 908,037; Dec. 29; Sp. p. 5798; Gaz. vol. 137; p. 2054.
- Switch-frogs, guard-rails, &c., Foot-blocking for. C. Raiter. No. 900,883; Oct. 13; Sp. p. 1734; Dr. p. 350; Gaz. vol. 136; p. 1365.
- Switch-keys, Bank of locking. E. R. Corwin and C. A. Bals. No. 902,275; Oct. 27; Sp. p. 4608; Dr. p. 937; Gaz. vol. 136; p. 1884.
- Switch-lever lock. F. W. Moore. No. 881,703; Mar. 10; Sp. p. 2396; Dr. p. 520; Gaz. vol. 133; p. 431.
- Switch-lock. J. T. Tullock. No. 877,616; Jan. 28; Sp. p. 3975; Dr. p. 858; Gaz. vol. 132; p. 732.
- Switch-lock. W. Anderson. No. 891,129; June 16; Sp. p. 3908; Dr. p. 856; Gaz. vol. 134; p. 1745.
- Switch-lock. E. T. Hardin. No. 898,737; Sept. 15; Sp. p. 3005; Dr. p. 644; Gaz. vol. 136; p. 546.
- Switch-lock, Automatic. W. L. Wilson. No. 905,777; Dec. 1; Sp. p. 1312; Gaz. vol. 137; p. 1198.
- Switch-lock, Automatic. T. A. Walker. No. 907,202; Dec. 22; Sp. p. 4045; Gaz. vol. 137; p. 1747.
- Switch-locking device, Tongue-. C. A. Alden and E. E. Wightman. No. 908,190; Dec. 29; Sp. p. 6118; Gaz. vol. 137; p. 2106.
- Switch mechanism. C. F. Gay. No. 887,324; May 12; Sp. p. 2024; Dr. pp. 423-4; Gaz. vol. 134; p. 354.
- Switch mechanism. J. B. Ward. No. 902,033; Oct. 27; Sp. p. 4120; Dr. p. 834; Gaz. vol. 136; p. 1807.
- Switch mechanism. W. C. Lawson. No. 904,336; Nov. 17; Sp. p. 3706; Gaz. vol. 137; p. 658.
- Switch mechanism and train-carried actuating means therefor. G. Parks. No. 877,224; Jan. 21; Sp. p. 3184; Dr. pp. 690-1; Gaz. vol. 132; p. 585.
- Switch mechanism and train-carried actuating means therefor. E. Haas. No. 900,367; Oct. 6; Sp. p. 615; Dr. pp. 127-8; Gaz. vol. 136; p. 1169.
- Switch mechanism, Electrically-controlled. G. E. Palmer. No. 882,340; Mar. 17; Sp. p. 3705; Dr. p. 788; Gaz. vol. 133; p. 667.

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- Switch-mounting. A. E. De France. No. 892,410; July 7; Sp. p. 37; Dr. p. 10; Gaz. vol. 135; p. 10.
- Switch-operating apparatus. F. Duffy. No. 891,411; June 23; Sp. p. 4520; Dr. p. 983; Gaz. vol. 134; p. 1872.
- Switch-operating apparatus, Safety-controller for electric. J. D. Taylor. No. 887,291; May 12; Sp. p. 1947; Dr. pp. 409-10; Gaz. vol. 134; p. 342.
- Switch-operating device. T. W. Rich. No. 887,426; May 12; Sp. p. 2243; Dr. p. 470; Gaz. vol. 134; p. 388.
- Switch-operating device, Automatic-. R. R. Miller. No. 890,784; June 16; Sp. p. 3246; Dr. p. 710; Gaz. vol. 134; p. 1635.
- Switch-operating machine, Electric-. L. A. Hedger. No. 891,617; June 23; Sp. p. 4931; Dr. p. 1062; Gaz. vol. 134; p. 1938.
- Switch-operating mechanism. A. B. Allen. No. 878,927; Feb. 11; Sp. p. 2154; Dr. pp. 449-50; Gaz. vol. 132; p. 1221.
- Switch-operating mechanism. F. A. Fricker. No. 888,605; May 26; Sp. p. 4578; Dr. p. 971; Gaz. vol. 134; p. 836.
- Switch-operating mechanism. J. P. Blackwood. No. 890,326; June 9; Sp. p. 2301; Dr. p. 508; Gaz. vol. 134; p. 1452.
- Switch-operating mechanism. J. W. Keating. No. 891,427; June 23; Sp. p. 4550; Dr. p. 989; Gaz. vol. 134; p. 1877.
- Switch-operating mechanism. H. F. Hyman and G. H. Hay. No. 892,838; July 7; Sp. p. 891; Dr. p. 190; Gaz. vol. 135; p. 150.
- Switch-operating mechanism. A. C. Tunison. No. 894,297; July 28; Sp. p. 4030; Dr. p. 832; Gaz. vol. 135; p. 710.
- Switch-operating mechanism. A. B. Allen. No. 903,156; Nov. 10; Sp. p. 1239; Gaz. vol. 137; p. 235.
- Switch-operating mechanism. R. Brown. No. 904,042; Nov. 17; Sp. p. 3053; Gaz. vol. 137; p. 556.
- Switch-operating mechanism. J. A. McCroskey. No. 907,390; Dec. 22; Sp. p. 4411; Gaz. vol. 137; p. 1811.
- Switch-operating rod. W. W. Johnston. No. 880,667; Mar. 3; Sp. p. 356; Dr. p. 78; Gaz. vol. 133; p. 62.
- Switch-operator. J. Anderson. No. 893,825; Nov. 17; Sp. p. 2601; Gaz. vol. 137; p. 483.
- Switch-plug. H. C. Froelich. No. 879,760; Feb. 18; Sp. p. 3839; Dr. p. 805; Gaz. vol. 132; p. 1532.
- Switch-point connection. W. F. Bossert. No. 893,133; July 14; Sp. p. 1512; Dr. pp. 318-19; Gaz. vol. 135; p. 277.
- Switch-point lock. J. B. Latimer. No. 877,096; Jan. 21; Sp. p. 2902; Dr. pp. 627-8; Gaz. vol. 132; p. 539.
- Switch-point lock. G. B. Blevins. No. 884,006; Apr. 7; Sp. p. 685; Dr. p. 138; Gaz. vol. 133; p. 1302.
- Switch-point lock. A. D. Cloud. No. 905,499; Dec. 1; Sp. p. 795; Gaz. vol. 137; p. 1109.
- Switch-point retaining device. A. R. Murray. No. 901,726; Oct. 20; Sp. p. 3504; Dr. pp. 708-9; Gaz. vol. 136; p. 1679.
- Switch-point thrower. R. Pasquale. No. 902,249; Oct. 27; Sp. p. 4553; Dr. p. 924; Gaz. vol. 136; p. 1875.
- Switch-points, Adjustable connecting-bar for. W. M. Henderson. No. 887,802; May 19; Sp. p. 2991; Dr. p. 628; Gaz. vol. 134; p. 542.
- Switch-points, Adjustable connection for. W. F. Bossert. No. 894,583; July 28; Sp. p. 4596; Dr. p. 953; Gaz. vol. 135; p. 804.
- Switch-points, Connecting-rod for. J. E. Lewis. No. 900,750; Oct. 13; Sp. p. 1446; Dr. p. 294; Gaz. vol. 136; p. 1322.
- Switch-register, Electric. J. H. Jackson. No. 894,326; July 28; Sp. p. 4086; Dr. p. 844; Gaz. vol. 135; p. 720.
- Switch-signal. P. E. Bolan. No. 879,240; Feb. 18; Sp. p. 2762; Dr. pp. 578-9; Gaz. vol. 132; p. 1363.
- Switch-stand. F. G. Snook. No. 877,747; Jan. 28; Sp. p. 4208; Dr. p. 912; Gaz. vol. 132; p. 773.
- Switch-stand. F. W. Snow and W. C. Kidd. No. 881,969; Mar. 17; Sp. p. 2969; Dr. pp. 632-3; Gaz. vol. 133; p. 547.
- Switch-stand. F. W. Snow and W. C. Kidd. No. 882,024; Mar. 17; Sp. p. 3098; Dr. p. 660; Gaz. vol. 133; p. 565.
- Switch-stand. W. C. Kidd. No. 882,069; Mar. 17; Sp. p. 3186; Dr. p. 677; Gaz. vol. 133; p. 580.
- Switch-stand. W. W. Allen. No. 883,074; Mar. 24; Sp. p. 5122; Dr. p. 1093; Gaz. vol. 133; p. 940.
- Switch-stand. W. W. Scott. No. 883,980; Apr. 7; Sp. p. 631; Dr. p. 126; Gaz. vol. 133; p. 1293.
- Switch-stand. W. C. Kidd. No. 885,160; Apr. 21; Sp. p. 3070; Dr. p. 645; Gaz. vol. 133; p. 1737.
- Switch-stand. E. N. Strom. No. 888,410; May 19; Sp. p. 4160; Dr. pp. 880-1; Gaz. vol. 134; p. 738.
- Switch-stand. G. L. Mansfield. No. 892,753; July 7; Sp. p. 710; Dr. p. 150; Gaz. vol. 135; p. 122.
- Switch-stand. W. W. Allen. No. 895,395; Aug. 4; Sp. p. 1228; Dr. p. 259; Gaz. vol. 135; p. 1100.
- Switch-stand. H. S. Goughnour. No. 901,804; Oct. 20; Sp. p. 3657; Dr. p. 741; Gaz. vol. 136; p. 1704.
- Switch-stand. J. F. Gurley and W. E. Lewis. No. 906,130; Dec. 8; Sp. p. 1998; Gaz. vol. 137; p. 1341.
- Switch stand and lock. J. W. Torpey. No. 900,131; Oct. 6; Sp. p. 128; Dr. p. 27; Gaz. vol. 136; p. 1093.
- Switch-stand and signaling device therefor. H. C. Odenkirk. No. 876,830; Jan. 14; Sp. p. 2315; Dr. p. 509; Gaz. vol. 132; p. 409.
- Switch-stand lock. C. Fowler. No. 903,696; Nov. 10; Sp. p. 2327; Gaz. vol. 137; p. 409.
- Switch structure. H. C. Stiff. No. 901,752; Oct. 20; Sp. p. 3551; Dr. p. 719; Gaz. vol. 136; p. 1687.
- Switch structure. H. S. Goughnour. No. 901,803; Oct. 20; Sp. p. 3656; Dr. p. 740; Gaz. vol. 136; p. 1703.
- Switch-thrower, Automatic. F. P. Cook. No. 905,856; Dec. 1; Sp. p. 1085; Gaz. vol. 137; p. 1158.
- Switch-throwing crank, Adjustable. F. C. Anderson. No. 907,114; Dec. 22; Sp. p. 3859; Gaz. vol. 137; p. 1717.
- Switch-throwing mechanism. J. N. Fowler. No. 901,089; Oct. 13; Sp. p. 2136; Dr. p. 436; Gaz. vol. 136; p. 1432.
- Switch-throwing mechanism, Electric. W. H. Turner. No. 890,942; June 16; Sp. p. 3565; Dr. p. 778; Gaz. vol. 134; p. 1686.
- Switches, Arrangement of contacts for. O. Engel. No. 907,481; Dec. 22; Sp. p. 4614; Gaz. vol. 137; p. 1843.
- Switches, signals, &c., Power-applying apparatus for operating. W. J. Bell. No. 897,516; Sept. 1; Sp. p. 567; Dr. p. 119; Gaz. vol. 136; p. 90.
- Switches, Wall-box for electric. R. W. Hollis. No. 876,877; Jan. 14; Sp. p. 2415; Dr. p. 526; Gaz. vol. 132; p. 426.
- Switching device. J. A. Duffy and O. Irwin. No. 883,701; Apr. 7; Sp. p. 53; Dr. p. 8; Gaz. vol. 133; p. 1201.
- Switching-indicator. W. L. Sullivan. No. 893,757; July 21; Sp. p. 2882; Dr. p. 592; Gaz. vol. 135; p. 512.
- Switchboard. M. S. Conner. No. 901,688; Oct. 20; Sp. p. 3414; Dr. p. 694; Gaz. vol. 136; p. 1667.
- Switchboard jack, Multiple-. J. A. Birsfield. No. 901,672; Oct. 20; Sp. p. 3352; Dr. p. 687; Gaz. vol. 136; p. 1659.
- Switchboard-signal, Electromechanical. E. W. Brackett. No. 878,112; Feb. 4; Sp. p. 439; Dr. p. 93; Gaz. vol. 132; p. 920.
- Switchboards, &c., Protective apparatus for. W. Kaisling. No. 904,486; Nov. 17; Sp. p. 4015; Gaz. vol. 137; p. 708.
- Swivel. W. J. Jeffries and E. G. Skeels. No. 879,644; Feb. 18; Sp. p. 3616; Dr. p. 756; Gaz. vol. 132; p. 1494.
- Synchronizer, Automatic. F. Conrad. No. 885,143; Apr. 21; Sp. p. 3032; Dr. p. 639; Gaz. vol. 133; p. 1732.
- Synchronizing apparatus for alternators. M. Vogelsang. No. 877,144; Jan. 21; Sp. p. 3011; Dr. pp. 651-2; Gaz. vol. 132; p. 557.
- Synchronous motor. E. F. W. Alexanderson. No. 897,507; Sept. 1; Sp. p. 542; Dr. pp. 115-16; Gaz. vol. 136; p. 87.
- Syringe. W. B. Murphy. No. 879,299; Feb. 18; Sp. p. 2890; Dr. p. 602; Gaz. vol. 132; p. 1382.
- Syringe. J. Wilson. No. 880,433; Feb. 25; Sp. p. 5247; Dr. p. 1103; Gaz. vol. 132; p. 1787.
- Syringe. F. C. Barnes. No. 880,496; Mar. 3; Sp. p. 10; Dr. p. 2; Gaz. vol. 133; p. 4.
- Syringe. T. H. Wallis. No. 883,153; Mar. 24; Sp. p. 5292; Dr. p. 1129; Gaz. vol. 133; p. 967.
- Syringe. J. Kinsel. No. 889,022; May 26; Sp. p. 5433; Dr. pp. 1154-5; Gaz. vol. 134; p. 970.
- Syringe. A. E. Macdonald. No. 890,990; June 16; Sp. p. 3680; Dr. p. 802; Gaz. vol. 134; p. 1702.
- Syringe. K. L. Mayers. No. 900,182; Oct. 6; Sp. p. 234; Dr. p. 47; Gaz. vol. 136; p. 1110.
- Syringe. A. H. C. Heitman. No. 900,100; Oct. 13; Sp. p. 2165; Dr. p. 440; Gaz. vol. 136; p. 1435.
- Syringe. H. M. Hill and C. O. Farrington. No. 906,711; Dec. 15; Sp. p. 3076; Gaz. vol. 137; p. 1554.
- Syringe attachment. C. L. Löffler. No. 905,197; Dec. 1; Sp. p. 157; Gaz. vol. 137; p. 1008.
- Syringe, Earth-. J. Saguin. No. 891,376; June 23; Sp. p. 4446; Dr. p. 968; Gaz. vol. 134; p. 1859.
- Syringe, Urethral. J. H. Hoseason. No. 885,999; Apr. 28; Sp. p. 4813; Dr. p. 1011; Gaz. vol. 133; p. 2041.
- Syringe, Vaginal. E. Hilker. No. 877,926; Feb. 4; Sp. p. 66; Dr. p. 13; Gaz. vol. 132; p. 860.
- Syringe, Vaginal. W. E. Allen. No. 898,300; Sept. 8; Sp. p. 2154; Dr. p. 458; Gaz. vol. 136; p. 372.
- Syringe, Vaginal. K. L. Mayers and M. B. Benas. No. 900,565; Oct. 6; Sp. p. 1064; Dr. p. 218; Gaz. vol. 136; p. 1235.
- Syringe, Vaginal. O. Katzenberger. No. 903,098; Nov. 3; Sp. p. 1128; Gaz. vol. 137; p. 184.
- Syringe, Vaginal. C. F. W. Ramus. No. 903,107; Nov. 3; Sp. p. 1152; Gaz. vol. 137; p. 187.
- Syrup-dispensing apparatus. J. McCloskey and H. J. Gray. No. 886,720; May 5; Sp. p. 788; Dr. p. 161; Gaz. vol. 134; p. 131.
- Syrup percolator, Simple-. J. C. Hardesty. No. 884,921; Apr. 14; Sp. p. 2568; Dr. p. 540; Gaz. vol. 133; p. 1628.
- T-square. E. B. Wiles. No. 903,648; Nov. 10; Sp. p. 2236; Gaz. vol. 137; p. 396.
- Tab, Index-. O. J. Deckelmann. No. 906,864; Dec. 15; Sp. p. 3387; Gaz. vol. 137; p. 1603.
- Tab-making machine. P. P. Barthol. No. 887,056; May 12; Sp. p. 1431; Dr. pp. 303-4; Gaz. vol. 134; p. 264.
- Table: See Adjustable table; Assorting-table; Billiard-table; Billiard and other game table; Billiard and pool table; Bracket-table; Cabinet-table; Camp-table; Chocolate-warming table; Concentrating-table; Dental bracket-table; Desk-table; Dining-table; Drawing-table; Drop-head table; Extension-table; Foldable table; Folding table; Folding, cutting, and paste table; Incubator turn-table; Invalid's table; Ironing-table; Joining-table; Knockdown table; Operating-table; Operating and fracture table; Ore-concentrating table; Packing-table; Percentage-table; Plant-table; Poker-table; Railway turn-table; Rolling-mill table; Rolling-mill feed-table; Rotatable table; Separating-table; Serving-table; Sewing-machine table; Soap-partitioning table; Spacing-table; Surgical table; Transfer-table; Turn-table; Type-writer table; Veterinary operating-table.
- Table. E. P. Wanner. No. 875,755; Jan. 7; Sp. p. 154; Dr. p. 34; Gaz. vol. 132; p. 29.
- Table. F. H. H. Meier. No. 877,104; Jan. 21; Sp. p. 2917; Dr. p. 631; Gaz. vol. 132; p. 542.
- Table. J. A. Tyskind. No. 895,212; Aug. 4; Sp. p. 880; Dr. p. 184; Gaz. vol. 135; p. 1041.
- Table. J. E. Long. No. 896,126; Aug. 18; Sp. p. 2680; Dr. pp. 578-9; Gaz. vol. 135; p. 1382.
- Table. J. Brenner. No. 897,520; Sept. 1; Sp. p. 582; Dr. pp. 120-1; Gaz. vol. 136; p. 91.
- Table. A. B. Phelan. No. 898,778; Sept. 15; Sp. p. 3078; Dr. p. 659; Gaz. vol. 136; p. 559.
- Table. R. M. Sheehan. No. 899,267; Sept. 22; Sp. p. 4028; Dr. p. 860; Gaz. vol. 136; p. 747.
- Table. L. E. Canniff. No. 899,383; Sept. 22; Sp. p. 4219; Dr. p. 903; Gaz. vol. 136; p. 733.
- Table. H. Kardos. No. 901,914; Oct. 20; Sp. p. 3848; Dr. p. 785; Gaz. vol. 136; p. 1738.

Alphabetical list of inventions—Continued.

- Table. A. J. and C. M. Fike. No. 902,955; Nov. 3; Sp. p. 850; Gaz. vol. 137; p. 141.
 Table. E. D. Wilde. No. 906,965; Dec. 8; Sp. p. 1671; Gaz. vol. 137; p. 1288.
 Table. J. Rattay. No. 906,931; Dec. 15; Sp. p. 3509; Gaz. vol. 137; p. 1625.
 Table and bed, Combined. E. P. Smith. No. 902,007; Oct. 27; Sp. p. 4070; Dr. p. 826; Gaz. vol. 136; p. 1799.
 Table and couch, Combined. N. B. Stone. No. 893,031; July 14; Sp. p. 1312; Dr. pp. 275-6; Gaz. vol. 135; p. 244.
 Table and fitting-stand, Combination. J. M. Acheson. No. 881,278; Mar. 10; Sp. p. 1578; Dr. p. 337; Gaz. vol. 133; p. 295.
 Table and seat, Combination. J. V. Rosensteel and F. C. Wetzel. No. 893,100; July 14; Sp. p. 1436; Dr. p. 303; Gaz. vol. 135; p. 266.
 Table attachment for chairs, &c. I. N. Johnson. No. 890,656; June 16; Sp. p. 2963; Dr. p. 649; Gaz. vol. 134; p. 1592.
 Table for facilitating gymnastic exercises. P. Gagey. No. 905,169; Dec. 1; Sp. p. 90; Gaz. vol. 137; p. 997.
 Table for meat, sausage, and the like. W. B. Affleck. No. 888,294; May 19; Sp. p. 3928; Dr. p. 826; Gaz. vol. 134; p. 702.
 Table gage, Saw-. M. E. Loehr. No. 904,342; Nov. 17; Sp. p. 3714; Gaz. vol. 137; p. 660.
 Table-leaf support. W. H. Tritch and C. J. McCauley. No. 905,026; Nov. 24; Sp. p. 5138; Gaz. vol. 137; p. 916.
 Table-leg fastener. A. J. Innes. No. 892,839; July 7; Sp. p. 892; Dr. p. 191; Gaz. vol. 135; p. 150.
 Table-leg holder. E. Werner. No. 892,102; June 30; Sp. p. 5916; Dr. p. 1275; Gaz. vol. 134; p. 2129.
 Table lock, Extension-. E. Tyden. No. 890,732; June 16; Sp. p. 3132; Dr. p. 686; Gaz. vol. 134; p. 1617.
 Table lock, Extension-. C. S. Burton. No. 901,951; Oct. 27; Sp. p. 3937; Dr. p. 803; Gaz. vol. 136; p. 1781.
 Table lock, Pedestal-extension-. C. S. Burton. No. 892,131; June 30; Sp. p. 5976; Dr. p. 1285; Gaz. vol. 134; p. 2139.
 Table lock, Pedestal-extension-. C. S. Burton. No. 895,071; Aug. 4; Sp. p. 589; Dr. p. 123; Gaz. vol. 135; p. 991.
 Table-locking device, Extension-. W. M. Jost. No. 881,245; Mar. 10; Sp. p. 1505; Dr. p. 324; Gaz. vol. 133; p. 284.
 Table-locking device, Extension-. E. Tyden. No. 900,239; Oct. 6; Sp. p. 337; Dr. pp. 70-1; Gaz. vol. 136; p. 1128.
 Table-locking device, Pedestal-. E. Tyden. No. 893,821; July 21; Sp. p. 3021; Dr. p. 618; Gaz. vol. 135; p. 533.
 Table-locking device, Pedestal-. C. S. Burton. No. 893,980; July 21; Sp. p. 3351; Dr. p. 686; Gaz. vol. 135; p. 585.
 Table-pad. F. A. Brunke. No. 884,067; Apr. 7; Sp. p. 800; Dr. p. 169; Gaz. vol. 133; p. 1321.
 Table-pad, Sectional. O. Winter. No. 902,037; Oct. 27; Sp. p. 4128; Dr. p. 836; Gaz. vol. 136; p. 1809.
 Table pedestals, Closing and locking device for extension-. C. W. Munz. No. 906,151; Dec. 8; Sp. p. 2037; Gaz. vol. 137; p. 1349.
 Table slide, Extension-. O. G. Franks. No. 899,693; Sept. 29; Sp. p. 4445; Dr. p. 1038; Gaz. vol. 136; p. 918.
 Table slide, Extension-. O. G. Franks. No. 900,509; Oct. 6; Sp. p. 948; Dr. pp. 192-3; Gaz. vol. 136; p. 1216.
 Table slide, Extension-. O. G. Franks. No. 902,392; Oct. 27; Sp. p. 4851; Dr. p. 981; Gaz. vol. 136; p. 1923.
 Table-spread holder. T. A. Hodge. No. 906,024; Dec. 8; Sp. p. 1792; Gaz. vol. 137; p. 1308.
 Table-support. V. C. Luppert. No. 881,190; Mar. 10; Sp. p. 1386; Dr. p. 300; Gaz. vol. 133; p. 265.
 Table-top protector. J. L. McKay. No. 888,113; May 19; Sp. p. 3596; Dr. p. 753; Gaz. vol. 134; p. 643.
 Table-top, Removable. N. C. Merrill. No. 886,623; May 5; Sp. p. 556; Dr. p. 117; Gaz. vol. 134; p. 98.
 Tables, Metal extension-slide for. G. H. Welterlin. No. 889,284; June 2; Sp. p. 181; Dr. p. 45; Gaz. vol. 134; p. 1087.
 Tables, Securing device for writing-. C. Steiner. No. 887,141; May 12; Sp. p. 1590; Dr. pp. 337-8; Gaz. vol. 134; p. 292.
 Tablet-forming machine. B. W. Scott. No. 901,937; Oct. 20; Sp. p. 3900; Dr. pp. 795-6; Gaz. vol. 136; p. 1746.
 Tablet-holder. W. E. Rhodes. No. 887,126; May 12; Sp. p. 1565; Dr. p. 332; Gaz. vol. 134; p. 287.
 Tablet-machine. E. L. Richards. No. 900,957; Oct. 13; Sp. p. 1895; Dr. pp. 385-6; Gaz. vol. 136; p. 1390.
 Tablet, Memorandum-. F. K. Dexter. No. 876,948; Jan. 21; Sp. p. 2596; Dr. p. 565; Gaz. vol. 132; p. 490.
 Tablet, Writing-. G. S. Ansell. No. 885,420; Apr. 21; Sp. p. 3610; Dr. p. 757; Gaz. vol. 133; p. 1823.
 Tabulator. M. C. Mosher. No. 887,954; May 19; Sp. p. 3286; Dr. p. 691; Gaz. vol. 134; p. 592.
 Tabulator, Adding-. C. P. Wetmore. No. 895,523; Aug. 11; Sp. p. 1499; Dr. pp. 317-18; Gaz. vol. 135; p. 1167.
 Tack and nail lifter. R. R. Smith. No. 877,525; Jan. 28; Sp. p. 3776; Dr. p. 817; Gaz. vol. 132; p. 703.
 Tack and nail lifter. R. R. Smith. No. 877,526; Jan. 28; Sp. p. 3777; Dr. p. 818; Gaz. vol. 132; p. 703.
 Tack and nail puller. R. R. Smith. No. 877,524; Jan. 28; Sp. p. 3776; Dr. p. 817; Gaz. vol. 132; p. 702.
 Tack and staple puller. C. H. Miles. No. 894,969; Aug. 4; Sp. p. 383; Dr. p. 78; Gaz. vol. 135; p. 957.
 Tack-driver. D. A. Sawyers. No. 905,004; Nov. 24; Sp. p. 5089; Gaz. vol. 137; p. 908.
 Tack-driving machine. W. E. Trufant. No. 889,274; June 2; Sp. p. 158; Dr. pp. 38-9; Gaz. vol. 134; p. 1084.
 Tack or nail driving device. P. R. Glass. No. 888,485; May 26; Sp. p. 4327; Dr. pp. 915-16; Gaz. vol. 134; p. 793.
 Tack-puller. J. E. Naudain. No. 888,841; May 26; Sp. p. 5079; Dr. p. 1083; Gaz. vol. 134; p. 911.
 Tack puller, Lasting-. L. V. Miller. No. 897,003; Aug. 25; Sp. p. 4503; Dr. pp. 962-3; Gaz. vol. 135; p. 1691.
 Tackle. C. W. Baker. No. 903,433; Nov. 10; Sp. p. 1784; Gaz. vol. 137; p. 325.
 Tackle-block, Safety. A. C. Bouchard. No. 908,385; Dec. 29; Sp. p. 6542; Gaz. vol. 137; p. 2173.
 Tag. S. H. Brown. No. 882,452; Mar. 17; Sp. p. 3890; Dr. p. 831; Gaz. vol. 133; p. 704.
 Tag. H. P. Cannon. No. 894,595; July 28; Sp. p. 4631; Dr. p. 960; Gaz. vol. 135; p. 808.
 Tag and stamp-protector, Combined shipping-. E. P. Bernheim. No. 885,316; Apr. 21; Sp. p. 3405; Dr. p. 711; Gaz. vol. 133; p. 1790.
 Tag for neckwear and the like. S. L. Bachrach. No. 893,969; July 21; Sp. p. 3318; Dr. p. 681; Gaz. vol. 135; p. 581.
 Tag for photographic-record cases. J. W. Ellis. No. 876,785; Jan. 14; Sp. p. 2232; Dr. p. 490; Gaz. vol. 132; p. 396.
 Tag-holder. T. Robinson. No. 879,493; Feb. 18; Sp. p. 3286; Dr. p. 687; Gaz. vol. 132; p. 1445.
 Tag-holder. L. Fournie. No. 889,594; June 2; Sp. p. 802; Dr. p. 183; Gaz. vol. 134; p. 1187.
 Tag, Jeweler's. C. T. Wittstein. No. 899,778; Sept. 29; Sp. p. 5043; Dr. p. 1080; Gaz. vol. 136; p. 949.
 Tag-manufacturing machine. A. Dansereau. No. 894,192; July 28; Sp. p. 3792; Dr. pp. 785-7; Gaz. vol. 135; p. 675.
 Tag, Marking-. I. Kaufman. No. 906,718; Dec. 15; Sp. p. 3093; Gaz. vol. 137; p. 1557.
 Tag, Mechanical. F. R. Hoisington. No. 898,651; Sept. 15; Sp. p. 2848; Dr. p. 609; Gaz. vol. 136; p. 519.
 Tag-stringing machine. L. A. McGrath. No. 883,223; Mar. 31; Sp. p. 5443; Dr. pp. 1160-1; Gaz. vol. 133; p. 1020.
 Tags and automatically attaching them to plugs of tobacco, Machine for making. W. E. Martin. No. 897,001; Aug. 25; Sp. p. 4496; Dr. pp. 960-2; Gaz. vol. 135; p. 1690.
 Tags beneath the skin of animals, Instrument for inserting. P. K. Dobyns. No. 881,062; Mar. 3; Sp. p. 1131; Dr. p. 246; Gaz. vol. 133; p. 194.
 Tags, Machine for feeding and affixing laundry-. F. F. Akerly and W. Borchert. No. 878,593; Feb. 11; Sp. p. 1513; Dr. p. 308; Gaz. vol. 132; p. 1114.
 Tailor's appliance. I. Geraci. No. 896,100; Aug. 18; Sp. p. 2639; Dr. p. 570; Gaz. vol. 135; p. 1374.
 Take-down chair. J. M. Horton. No. 882,316; Mar. 17; Sp. p. 3660; Dr. pp. 776-7; Gaz. vol. 133; p. 660.
 Talking-machine. J. C. English. No. 877,989; Feb. 4; Sp. p. 183; Dr. p. 41; Gaz. vol. 132; p. 880.
 Talking-machine. I. G. Fosler. No. 878,516; Feb. 11; Sp. p. 1333; Dr. p. 270; Gaz. vol. 132; p. 1087.
 Talking-machine. A. Fischer. No. 879,755; Feb. 18; Sp. p. 3830; Dr. p. 803; Gaz. vol. 132; p. 1530.
 Talking-machine. T. Kraemer. No. 881,322; Mar. 10; Sp. p. 1658; Dr. p. 355; Gaz. vol. 133; p. 309.
 Talking-machine. T. Kraemer. No. 882,785; Mar. 24; Sp. p. 4547; Dr. p. 971; Gaz. vol. 133; p. 845.
 Talking-machine. T. Kraemer. No. 885,489; Apr. 21; Sp. p. 3727; Dr. p. 784; Gaz. vol. 133; p. 1845.
 Talking-machine. L. T. Haile. No. 892,045; June 30; Sp. p. 5817; Dr. p. 1251; Gaz. vol. 134; p. 2112.
 Talking-machine. J. M. Landon. No. 893,525; July 14; Sp. p. 2304; Dr. p. 483; Gaz. vol. 135; p. 404.
 Talking-machine. M. Samuel. No. 895,046; Aug. 4; Sp. p. 547; Dr. p. 112; Gaz. vol. 135; p. 984.
 Talking-machine. H. Klenk. No. 899,491; Sept. 22; Sp. p. 4414; Dr. pp. 947-8; Gaz. vol. 136; p. 818.
 Talking-machine. T. Kraemer. No. 899,874; Sept. 29; Sp. p. 5244; Dr. p. 1121; Gaz. vol. 136; p. 980.
 Talking-machine. W. A. Chapman. No. 901,781; Oct. 20; Sp. p. 3611; Dr. p. 732; Gaz. vol. 136; p. 1696.
 Talking-machine. A. Haug and B. G. Royal. No. 903,375; Nov. 10; Sp. p. 1671; Gaz. vol. 137; p. 306.
 Talking-machine. H. H. Taylor. No. 906,469; Dec. 8; Sp. p. 2626; Gaz. vol. 137; p. 1452.
 Talking-machine. D. J. Hood. No. 907,362; Dec. 22; Sp. p. 4362; Gaz. vol. 137; p. 1802.
 Talking-machine. D. J. Hood. No. 907,363; Dec. 22; Sp. p. 4364; Gaz. vol. 137; p. 1802.
 Talking-machine attachment. E. Prazak. No. 885,178; Apr. 21; Sp. p. 3109; Dr. p. 655; Gaz. vol. 133; p. 1743.
 Talking-machine attachment. B. F. Keating. No. 885,484; Apr. 21; Sp. p. 3716; Dr. p. 781; Gaz. vol. 133; p. 1843.
 Talking-machine attachment. W. A. Chapman. No. 888,306; May 19; Sp. p. 3947; Dr. p. 830; Gaz. vol. 134; p. 705.
 Talking-machine attachment. C. Martelock. No. 899,880; Sept. 29; Sp. p. 5252; Dr. p. 1123; Gaz. vol. 136; p. 981.
 Talking-machine automatic stop. R. B. Smith. No. 906,319; Dec. 8; Sp. p. 2362; Gaz. vol. 137; p. 1406.
 Talking-machine cabinet. W. L. Eckhardt. No. 903,364; Nov. 10; Sp. p. 1654; Gaz. vol. 137; p. 303.
 Talking-machine diaphragm. W. W. Young. No. 904,110; Nov. 17; Sp. p. 3190; Gaz. vol. 137; p. 580.
 Talking-machine-disk protector. J. M. Higley. No. 877,842; Jan. 28; Sp. p. 4378; Dr. p. 952; Gaz. vol. 132; p. 803.
 Talking-machine feeding apparatus. L. P. Valiquet. No. 884,963; Apr. 14; Sp. p. 2645; Dr. p. 562; Gaz. vol. 133; p. 1640.
 Talking-machine feeding mechanism. G. A. Wlost. No. 893,292; July 14; Sp. p. 1826; Dr. p. 383; Gaz. vol. 135; p. 329.
 Talking-machine for phonographs, gramophones, and other speaking-machines, Compressed-air. H. Joly. No. 908,411; Dec. 29; Sp. p. 6591; Gaz. vol. 137; p. 2183.
 Talking-machine horn. S. Moss. No. 889,480; June 2; Sp. p. 592; Dr. p. 138; Gaz. vol. 134; p. 1151.
 Talking-machine needle. G. Königstein. No. 881,594; Mar. 10; Sp. p. 2186; Dr. p. 476; Gaz. vol. 133; p. 398.
 Talking-machine needle box or case. H. Sheble and E. A. Hawthorne. No. 908,388; Dec. 29; Sp. p. 6436; Gaz. vol. 137; p. 2158.

Alphabetical list of inventions—Continued.

- Talking-machine record. E. R. Johnson. No. 888,089; May 19; Sp. p. 3543; Dr. p. 741; Gaz. vol. 134; p. 635.
 Talking-machine record. E. R. Johnson. No. 896,059; Aug. 11; Sp. p. 2557; Dr. p. 555; Gaz. vol. 135; p. 1339.
 Talking-machine records, Album for flat. J. B. Rosenthal. No. 903,232; Nov. 10; Sp. p. 1400; Gaz. vol. 137; p. 259.
 Talking-machine sound-box. J. C. English. No. 877,184; Jan. 21; Sp. p. 3099; Dr. p. 671; Gaz. vol. 132; p. 570.
 Talking-machine sound-box. T. Kraemer. No. 885,490; Apr. 21; Sp. p. 3730; Dr. p. 785; Gaz. vol. 133; p. 1845.
 Talking-machine sound-box. T. Kraemer. No. 887,657; May 12; Sp. p. 2690; Dr. p. 569; Gaz. vol. 134; p. 403.
 Talking-machine sound-box. T. Kraemer. No. 890,142; June 9; Sp. p. 1895; Dr. p. 420; Gaz. vol. 134; p. 1393.
 Talking-machine sound-box. T. Kraemer. No. 891,079; June 16; Sp. p. 3833; Dr. p. 837; Gaz. vol. 134; p. 1731.
 Talking-machine sound-box. E. D. Gleason. No. 896,007; Aug. 11; Sp. p. 2466; Dr. p. 533; Gaz. vol. 135; p. 1322.
 Talking-machine sound-box. E. D. Gleason. No. 896,009; Aug. 11; Sp. p. 2471; Dr. p. 534; Gaz. vol. 135; p. 1323.
 Talking-machine sound-box. W. J. Patterson. No. 897,774; Sept. 1; Sp. p. 1034; Dr. p. 232; Gaz. vol. 136; p. 173.
 Talking-machine sound-box. E. H. Mobley. No. 899,256; Sept. 22; Sp. p. 4008; Dr. p. 855; Gaz. vol. 136; p. 173.
 Talking-machine sound-box. L. F. Douglass. No. 902,280; Oct. 27; Sp. p. 4617; Dr. p. 938; Gaz. vol. 136; p. 1886.
 Talking-machine sound-box. A. Fischer. No. 904,523; Nov. 24; Sp. p. 4095; Gaz. vol. 137; p. 746.
 Talking-machine sound-box. A. Junod. No. 905,082; Nov. 24; Sp. p. 5234; Gaz. vol. 137; p. 933.
 Talking-machine stand and record-cabinet. L. F. Douglass. No. 892,031; June 30; Sp. p. 5783; Dr. p. 1244; Gaz. vol. 134; p. 2107.
 Talking-machine stylus. S. Goldfaden. No. 881,792; Mar. 10; Sp. p. 2573; Dr. p. 552; Gaz. vol. 133; p. 459.
 Talking-machines, Automatic needle-clamp for. G. Königstein. No. 893,929; July 21; Sp. p. 3226; Dr. p. 665; Gaz. vol. 135; p. 567.
 Talking-machines, Device for transmission to a distance of sounds produced by. E. Ducretet. No. 893,151; July 14; Sp. p. 1557; Dr. p. 329; Gaz. vol. 135; p. 283.
 Tamper. H. B. Johnson. No. 881,001; Mar. 3; Sp. p. 1025; Dr. p. 222; Gaz. vol. 133; p. 175.
 Tamper, Rolling. G. Ross and S. F. Deal. No. 894,346; July 28; Sp. p. 4124; Dr. p. 851; Gaz. vol. 135; p. 726.
 Tamping-machine. A. F. Kellner. No. 890,659; June 16; Sp. p. 2970; Dr. p. 651; Gaz. vol. 134; p. 1593.
 Tamping-machine. P. Olson. No. 897,771; Sept. 1; Sp. p. 1079; Dr. p. 231; Gaz. vol. 136; p. 172.
 Tamping-machine, Tandem. G. Ross and S. F. Deal. No. 891,954; June 30; Sp. p. 5660; Dr. p. 1219; Gaz. vol. 134; p. 2084.
 Tamping-tool. G. Oliver. No. 887,218; May 12; Sp. p. 1723; Dr. p. 366; Gaz. vol. 134; p. 316.
 Tandem mill. C. W. Bray. No. 876,895; Jan. 14; Sp. p. 2453; Dr. pp. 535-6; Gaz. vol. 132; p. 432.
 Tank: See Brooder heating-tank; Closet-tank; Cyanid-tank; Developing-tank; Fire-tank; Fixing and washing tank; Flush-tank; Flushing-tank; Gasolene-tank; Glass-tank; Grain-tank; Hog-tank; Ice-tank; Ice-machine freezing-tank; Liquid-holding tank; Oil-tank; Ore-tank; Paper-treating tank; Reducing-tank; Self-measuring tank; Steel tank; Water-tank; Water-closet flushing-tank; Water-supply tank.
 Tank. F. B. Wentworth. No. 880,846; Mar. 3; Sp. p. 738; Dr. p. 156; Gaz. vol. 133; p. 125.
 Tank. A. A. Kramer. No. 889,793; June 2; Sp. p. 1172; Dr. p. 271; Gaz. vol. 134; p. 1249.
 Tank alarm, Pressure-. J. M. Latimer. No. 896,841; Aug. 25; Sp. p. 4140; Dr. pp. 887-8; Gaz. vol. 135; p. 1638.
 Tank cleaner, House-. J. O'Connor. No. 891,433; June 23; Sp. p. 4556; Dr. p. 991; Gaz. vol. 134; p. 1878.
 Tank-closure, Non-explosive. W. H. McNutt. No. 900,763; Oct. 13; Sp. p. 1468; Dr. p. 299; Gaz. vol. 136; p. 1326.
 Tank door mechanism, Creosoting-. S. M. Rowe. No. 908,144; Dec. 29; Sp. p. 6012; Gaz. vol. 137; p. 2090.
 Tank-gage. G. E. Musgrove. No. 881,607; Mar. 10; Sp. p. 2221; Dr. p. 483; Gaz. vol. 133; p. 402.
 Tank-heater. A. W. Van Rinsum. No. 881,362; Mar. 10; Sp. p. 1736; Dr. p. 373; Gaz. vol. 133; p. 321.
 Tank-heater. H. Staadt. No. 884,232; Apr. 7; Sp. p. 1158; Dr. p. 244; Gaz. vol. 133; p. 1375.
 Tank-heater. M. A. Thorpe. No. 889,068; May 26; Sp. p. 5513; Dr. p. 1172; Gaz. vol. 134; p. 986.
 Tank-heater. G. E. Bishop. No. 893,774; July 21; Sp. p. 2915; Dr. p. 597; Gaz. vol. 135; p. 517.
 Tank-heater. A. Neusus and B. F. Gibler. No. 894,888; July 28; Sp. p. 4810; Dr. p. 999; Gaz. vol. 135; p. 839.
 Tank-heater. J. S. Jacobsen. No. 904,903; Nov. 17; Sp. p. 2940; Gaz. vol. 137; p. 536.
 Tank heater, Submerged-. E. B. Wills. No. 908,182; Dec. 29; Sp. p. 6098; Gaz. vol. 137; p. 2103.
 Tank-indicator. J. B. Laursen. No. 885,059; Apr. 21; Sp. p. 2845; Dr. p. 605; Gaz. vol. 133; p. 1705.
 Tank-indicator. J. E. Smith. No. 894,468; July 28; Sp. p. 4375; Dr. p. 903; Gaz. vol. 135; p. 767.
 Tank indicator, Liquid-. H. W. Eden. No. 895,987; Aug. 11; Sp. p. 2431; Dr. p. 522; Gaz. vol. 135; p. 1316.
 Tank indicator, Liquid-. B. Webster. No. 907,657; Dec. 22; Sp. p. 4993; Gaz. vol. 137; p. 1899.
 Tank seamless lining. J. M. Burr and H. S. Gibbs. No. 904,835; Nov. 24; Sp. p. 4750; Gaz. vol. 137; p. 852.
 Tanks, Apparatus for automatically discharging ore-pulp sands and other material from. J. C. and H. H. Winchell. No. 875,876; Jan. 7; Sp. p. 369; Dr. p. 82; Gaz. vol. 132; p. 68.
 Tanks, Apparatus for discharging the contents of septic or settling. S. F. Miller. No. 899,750; Sept. 29; Sp. p. 4971; Dr. p. 1066; Gaz. vol. 136; p. 938.
 Tanks, &c., Apparatus for discharging the contents of septic or settling. S. F. Miller. No. 904,141; Nov. 17; Sp. p. 3261; Gaz. vol. 137; p. 591.
 Tanks, Flow-controlling device for flushing-. F. Allen. No. 889,425; June 2; Sp. p. 467; Dr. p. 111; Gaz. vol. 134; p. 1133.
 Tanks, Means for producing circulation in liquid-. J. Heuscher and E. Weber-Stierlin. No. 893,625; July 21; Sp. p. 2537; Dr. p. 529; Gaz. vol. 135; p. 467.
 Tannic extracts, Decolorizing. L. Dufour. No. 878,618; Feb. 11; Sp. p. 1574; Gaz. vol. 132; p. 1123.
 Tannin extract and producing same. F. J. Maywald. No. 894,277; July 28; Sp. p. 3989; Gaz. vol. 135; p. 704.
 Tannin extracts, Decolorizing. A. Hugendubel. No. 904,483; Nov. 17; Sp. p. 3986; Gaz. vol. 137; p. 707.
 Tanning. G. H. Pendleton. No. 876,533; Jan. 14; Sp. p. 1837; Gaz. vol. 132; p. 331.
 Tanning extract from peat. E. E. M. Payne. No. 899,800; Sept. 29; Sp. p. 5096; Gaz. vol. 136; p. 956.
 Tanning hides and skins. J. Inouye and T. Dogura. No. 877,341; Jan. 21; Sp. p. 3402; Gaz. vol. 132; p. 621.
 Tanning liquors, Utilizing sapped. G. W. Childs. No. 881,094; Mar. 3; Sp. p. 1201; Gaz. vol. 133; p. 204.
 Tanning liquors, Utilizing sapped. G. W. Childs. No. 899,006; Sept. 15; Sp. p. 3483; Gaz. vol. 136; p. 634.
 Tanning-ooze. G. A. Sweetman. No. 901,564; Oct. 20; Sp. p. 3140; Gaz. vol. 136; p. 1625.
 Tantalum, Hardening. W. von Bolton. No. 896,705; Aug. 25; Sp. p. 3827; Gaz. vol. 135; p. 1591.
 Tap. O. A. Smith. No. 899,916; Sept. 29; Sp. p. 5314; Dr. p. 1136; Gaz. vol. 136; p. 992.
 Tap and bush for beer-kegs. H. J. Sandell. No. 879,983; Feb. 25; Sp. p. 4331; Dr. p. 906; Gaz. vol. 132; p. 1638.
 Tap and drill holder. C. F. Blake and J. H. Brimson. No. 907,448; Dec. 22; Sp. p. 4547; Gaz. vol. 137; p. 1832.
 Tap and faucet, Barrel. D. J. McGinley and W. E. Bonar. No. 889,952; June 9; Sp. p. 1499; Dr. p. 340; Gaz. vol. 134; p. 1327.
 Tap and reamer, Collapsible taper-thread. W. W. Vosper. No. 894,863; Aug. 4; Sp. p. 118; Dr. p. 26; Gaz. vol. 135; p. 921.
 Tap, Beer-. W. D. Myers. No. 876,483; Jan. 14; Sp. p. 1605; Dr. pp. 345-6; Gaz. vol. 132; p. 294.
 Tap, Beer-. J. Wawrzinski. No. 879,604; Feb. 18; Sp. p. 3536; Dr. p. 740; Gaz. vol. 132; p. 1480.
 Tap, Collapsible. A. Granstrom. No. 897,088; Aug. 25; Sp. p. 4666; Dr. p. 994; Gaz. vol. 135; p. 1719.
 Tap-holder. W. A. Leonard. No. 876,723; Jan. 14; Sp. p. 2125; Dr. p. 467; Gaz. vol. 132; p. 377.
 Tap-holder, Thoroughfare. H. Heynau. No. 880,529; Mar. 3; Sp. p. 70; Dr. p. 17; Gaz. vol. 133; p. 15.
 Taps and chucks, Safety connection for. J. Hosking. No. 881,075; Mar. 3; Sp. p. 1166; Dr. p. 251; Gaz. vol. 133; p. 198.
 Tapping device, Beer-keg-. C. W. Pleukharp. No. 875,848; Jan. 7; Sp. p. 318; Dr. p. 70; Gaz. vol. 132; p. 59.
 Tapping device, Pipe-. J. H. B. Bryan. No. 879,513; Feb. 18; Sp. p. 3330; Dr. p. 695; Gaz. vol. 132; p. 1452.
 Tapping device, Pipe-. J. H. B. Bryan. No. 884,565; Apr. 14; Sp. p. 1813; Dr. pp. 389-90; Gaz. vol. 133; p. 1512.
 Tapping device, Pipe-. J. H. B. Bryan. No. 887,308; May 12; Sp. p. 1978; Dr. pp. 415-16; Gaz. vol. 134; p. 348.
 Tape-line. E. D. Ayers. No. 889,570; June 2; Sp. p. 752; Dr. p. 173; Gaz. vol. 134; p. 1178.
 Tape-line attachment. F. Schmidt. No. 882,022; Mar. 17; Sp. p. 3096; Dr. p. 659; Gaz. vol. 133; p. 564.
 Tape-reel. P. Ferber. No. 901,896; Oct. 20; Sp. p. 3813; Dr. p. 777; Gaz. vol. 136; p. 1732.
 Tape-reel. P. Ferber. No. 901,897; Oct. 20; Sp. p. 3815; Dr. p. 777; Gaz. vol. 136; p. 1733.
 Tapes of paper or other material, Holder for. A. A. Grand. No. 897,086; Aug. 25; Sp. p. 4664; Dr. p. 994; Gaz. vol. 135; p. 1719.
 Taper tap, Adjustable. M. Paulson. No. 875,842; Jan. 7; Sp. p. 308; Dr. p. 67; Gaz. vol. 132; p. 57.
 Taper-turning tool. J. Hartness. No. 877,925; Feb. 4; Sp. p. 62; Dr. pp. 12-13; Gaz. vol. 132; p. 859.
 Tar-extractor. E. H. Earnshaw. No. 907,583; Dec. 22; Sp. p. 4826; Gaz. vol. 137; p. 1876.
 Target. J. Arbat. No. 884,972; Apr. 14; Sp. p. 2662; Dr. p. 566; Gaz. vol. 133; p. 1643.
 Target. G. E. Houck. No. 890,228; June 9; Sp. p. 2080; Dr. pp. 455-6; Gaz. vol. 134; p. 1420.
 Target and shield. C. H. Petry. No. 879,670; Feb. 18; Sp. p. 3669; Dr. p. 703; Gaz. vol. 132; p. 1503.
 Target, Drop-. J. A. Wiborgh. No. 877,622; Jan. 28; Sp. p. 3984; Dr. p. 861; Gaz. vol. 132; p. 734.
 Target-pigeon. F. B. Mills. No. 899,123; Sept. 22; Sp. p. 3706; Dr. p. 794; Gaz. vol. 136; p. 699.
 Target-practice apparatus. H. A. Stebbins. No. 900,607; Oct. 6; Sp. p. 1150; Dr. pp. 235-6; Gaz. vol. 136; p. 1249.
 Target, Rifle-. C. Reid. No. 891,566; June 23; Sp. p. 4827; Dr. p. 1042; Gaz. vol. 134; p. 1921.
 Target, Rotary. F. J. Johnston. No. 884,663; Apr. 14; Sp. p. 2055; Dr. p. 439; Gaz. vol. 133; p. 1544.
 Target, Shooting-gallery. C. B. Winder. No. 905,397; Dec. 1; Sp. p. 531; Gaz. vol. 137; p. 1075.
 Target-spotter. R. S. Henry. No. 890,647; June 16; Sp. p. 2950; Dr. p. 646; Gaz. vol. 134; p. 1589.
 Target-trap. G. Nicolai. No. 880,394; Feb. 25; Sp. p. 5155; Dr. p. 1088; Gaz. vol. 132; p. 1773.

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- Target-trap. J. Bowron. No. 884,703; Apr. 14; Sp. p. 2126; Dr. p. 453; Gaz. vol. 133; p. 1553.
- Target-trap. H. E. Winans. No. 886,669; May 5; Sp. p. 655; Dr. pp. 136-7; Gaz. vol. 134; p. 113.
- Target-trap. J. W. Haughawout. No. 889,926; June 9; Sp. p. 1450; Dr. pp. 327-8; Gaz. vol. 134; p. 1319.
- Target-trap. P. J. Hindmarsh. No. 894,738; July 28; Sp. p. 4894; Dr. pp. 1018-19; Gaz. vol. 135; p. 854.
- Tartar, Treating substances containing crude. V. J. Garin and F. David. No. 898,866; Sept. 15; Sp. p. 3234; Gaz. vol. 136; p. 588.
- Taximeter pawl transmission-gear. C. Mascart. No. 903,746; Nov. 10; Sp. p. 2415; Gaz. vol. 137; p. 424.
- Tea and coffee strainer. A. L. Lindroth. No. 907,513; Dec. 22; Sp. p. 4667; Gaz. vol. 137; p. 1852.
- Tea product and making same. J. F. Meyer, Jr., and K. Wimmer. No. 897,764; Sept. 1; Sp. p. 1048; Gaz. vol. 136; p. 170.
- Teapot. A. E. Wilson. No. 898,713; Sept. 15; Sp. p. 2957; Dr. p. 634; Gaz. vol. 136; p. 538.
- Teat-cup. F. B. Groff. No. 878,057; Feb. 4; Sp. p. 336; Dr. p. 70; Gaz. vol. 132; p. 903.
- Tedder attachment. J. H. Pletscher. No. 880,094; Feb. 25; Sp. p. 4551; Dr. p. 958; Gaz. vol. 132; p. 1674.
- Teeth for filling, Treating. F. Armstrong. No. 902,462; Oct. 27; Sp. p. 5016; Dr. p. 1014; Gaz. vol. 136; p. 1946.
- Teeth, Means for attaching crowns to roots of. C. A. Davis. No. 891,600; June 23; Sp. p. 4894; Dr. p. 1054; Gaz. vol. 134; p. 1931.
- Telautograph. F. Ritchie. No. 894,165; July 21; Sp. p. 3719; Dr. p. 769; Gaz. vol. 135; p. 645.
- Telegraph and telephone pole seat, Lineman's portable. C. T. Troell. No. 882,850; Mar. 24; Sp. p. 4701; Dr. p. 999; Gaz. vol. 133; p. 867.
- Telegraph apparatus, Combination sending and receiving wireless-. A. L. New and W. N. Hickman. No. 876,281; Jan. 7; Sp. p. 1163; Dr. p. 254; Gaz. vol. 132; p. 196.
- Telegraph apparatus, Type-printing-. G. A. M. Agrell. No. 902,792; Nov. 3; Sp. p. 500; Gaz. vol. 137; p. 87.
- Telegraph apparatus, Wireless-. H. Dunwoody. No. 898,197; Sept. 8; Sp. p. 1959; Dr. pp. 418-19; Gaz. vol. 136; p. 340.
- Telegraph, Duplex. J. J. Ghegan. No. 887,038; May 5; Sp. p. 1391; Dr. p. 295; Gaz. vol. 134; p. 231.
- Telegraph instrument. B. F. Bellows and A. Behner. No. 886,755; May 5; Sp. p. 861; Dr. p. 179; Gaz. vol. 134; p. 143.
- Telegraph-key. J. Z. and L. V. Tucker. No. 900,238; Oct. 6; Sp. p. 336; Dr. p. 70; Gaz. vol. 136; p. 1128.
- Telegraph-keys, Automatic vibrator for. F. T. Vail. No. 893,115; July 14; Sp. p. 1474; Dr. p. 311; Gaz. vol. 135; p. 271.
- Telegraph-keys, Strain-relieving attachment for. W. H. Teachworth. No. 883,062; Mar. 24; Sp. p. 5100; Dr. p. 1088; Gaz. vol. 133; p. 936.
- Telegraph-lines, Duplexing. I. Kitsee. No. 888,511; May 26; Sp. p. 4367; Dr. p. 926; Gaz. vol. 134; p. 801.
- Telegraph-poles, Anchorage for. J. D. Self. No. 897,417; Sept. 1; Sp. p. 368; Dr. p. 77; Gaz. vol. 136; p. 57.
- Telegraph-poles, Device for attaching cross-arms to. J. E. McGilivray. No. 882,835; Mar. 24; Sp. p. 4660; Dr. p. 992; Gaz. vol. 133; p. 862.
- Telegraph, Printing-. J. C. Barclay. No. 877,822; Jan. 28; Sp. p. 4341; Dr. p. 943; Gaz. vol. 132; p. 796.
- Telegraph, Printing-. J. C. Barclay. No. 886,338; May 5; Sp. p. 3; Dr. p. 1; Gaz. vol. 134; p. 3.
- Telegraph, Printing-. C. L. Krum. No. 888,335; May 19; Sp. p. 3988; Dr. pp. 841-5; Gaz. vol. 134; p. 713.
- Telegraph-relay. J. Scotland. No. 904,367; Nov. 17; Sp. p. 3753; Gaz. vol. 137; p. 668.
- Telegraph-repeater. S. D. Field. No. 883,530; Mar. 31; Sp. p. 6091; Dr. p. 1296; Gaz. vol. 133; p. 1119.
- Telegraph-repeater. L. B. Cecil. No. 904,936; Nov. 24; Sp. p. 4961; Gaz. vol. 137; p. 884.
- Telegraph signals, Apparatus for determining the direction of space-. J. S. Stone. No. 899,272; Sept. 22; Sp. p. 4034; Dr. p. 862; Gaz. vol. 136; p. 748.
- Telegraph-sounder. J. J. Thomas and A. G. Christopherson. No. 885,545; Apr. 21; Sp. p. 3863; Dr. p. 808; Gaz. vol. 133; p. 1861.
- Telegraph-sounder. L. Kiblinger. No. 899,307; Sept. 22; Sp. p. 4086; Dr. p. 873; Gaz. vol. 136; p. 759.
- Telegraph-switch. L. H. Parcels. No. 877,857; Jan. 28; Sp. p. 4405; Dr. p. 959; Gaz. vol. 132; p. 808.
- Telegraph-switchboard. A. T. Newman. No. 879,300; Feb. 18; Sp. p. 2891; Dr. p. 603; Gaz. vol. 132; p. 1383.
- Telegraph system. J. J. Ghegan. (Reissue). No. 12,739; Jan. 14; Sp. p. 2523; Dr. p. 552; Gaz. vol. 132; p. 442.
- Telegraph system. H. O. Rugb. No. 877,002; Jan. 21; Sp. p. 2710; Dr. p. 588; Gaz. vol. 132; p. 509.
- Telegraph system. S. D. Field. No. 889,592; June 2; Sp. p. 798; Dr. p. 182; Gaz. vol. 134; p. 1186.
- Telegraph system. C. K. Jones. No. 889,784; June 2; Sp. p. 1154; Dr. p. 268; Gaz. vol. 134; p. 1246.
- Telegraph system. S. D. Field. No. 904,768; Nov. 24; Sp. p. 4606; Gaz. vol. 137; p. 829.
- Telegraph system, Keyboard. C. K. Jones. No. 907,604; Dec. 22; Sp. p. 4866; Gaz. vol. 137; p. 1882.
- Telegraph system, Multiplex. A. W. Douglas. No. 895,350; Aug. 4; Sp. p. 1149; Dr. p. 241; Gaz. vol. 135; p. 1086.
- Telegraph-transmitter. C. E. Lee and L. K. Miller. No. 876,069; Jan. 7; Sp. p. 752; Dr. p. 159; Gaz. vol. 132; p. 128.
- Telegraph-transmitter. M. S. Haling. No. 884,381; Apr. 14; Sp. p. 1450; Dr. p. 309; Gaz. vol. 133; p. 1453.
- Telegraph-transmitter and type-writing machine, Combined. A. G. Snyder. No. 904,157; Nov. 17; Sp. p. 3300; Gaz. vol. 137; p. 597.
- Telegraph-transmitter, Automatic. J. C. Barclay. No. 886,339; May 5; Sp. p. 8; Dr. p. 2; Gaz. vol. 134; p. 4.
- Telegraph transmitting instrument. F. H. W. Higgins. No. 894,142; July 21; Sp. p. 3672; Dr. pp. 759-61; Gaz. vol. 135; p. 639.
- Telegraph transmitting system, Wireless-. L. De Forest. No. 876,165; Jan. 7; Sp. p. 930; Dr. p. 200; Gaz. vol. 132; p. 158.
- Telegraph type-writer. G. A. Cardwell. No. 905,497; Dec. 1; Sp. p. 778; Gaz. vol. 137; p. 1108.
- Telegraphs, Release mechanism for Morse. E. Ducretet. No. 876,952; Jan. 21; Sp. p. 2602; Dr. p. 566; Gaz. vol. 132; p. 491.
- Telegraphic and telephonic impulses simultaneously receiving. I. Kitsee. No. 894,836; Aug. 4; Sp. p. 73; Dr. p. 15; Gaz. vol. 135; p. 912.
- Telegraphic apparatus. F. G. Creed. No. 887,313; May 12; Sp. p. 1995; Dr. pp. 419-20; Gaz. vol. 134; p. 350.
- Telegraphic-code condenser. M. B. Dickie. No. 901,957; Oct. 27; Sp. p. 3947; Dr. p. 806; Gaz. vol. 136; p. 1783.
- Telegraphic key. R. K. Patterson. No. 876,391; Jan. 14; Sp. p. 1408; Dr. p. 304; Gaz. vol. 132; p. 263.
- Telegraphic or secret codes, Tabulated gage for. B. McNeill. No. 880,905; Mar. 3; Sp. p. 860; Dr. p. 183; Gaz. vol. 133; p. 144.
- Telegraphic relay. I. Kitsee. No. 900,553; Oct. 6; Sp. p. 1039; Dr. p. 213; Gaz. vol. 136; p. 1232.
- Telegraphic repeating apparatus. W. E. Athearn. No. 905,628; Dec. 1; Sp. p. 1032; Gaz. vol. 137; p. 1149.
- Telegraphic selective system. A. M. Roberts. No. 897,662; Sept. 1; Sp. p. 849; Dr. pp. 180-1; Gaz. vol. 136; p. 137.
- Telegraphic sounder. V. C. de Ybarondo. No. 901,861; Oct. 20; Sp. p. 3750; Dr. p. 762; Gaz. vol. 136; p. 1721.
- Telegraphic system, Cable. I. Kitsee. No. 888,509; May 26; Sp. p. 4364; Dr. p. 925; Gaz. vol. 134; p. 800.
- Telegraphic transmission instrument, Automatic. J. Gell. No. 890,042; June 9; Sp. p. 1708; Dr. p. 378; Gaz. vol. 134; p. 1359.
- Telegraphic transmitter. D. S. Troth. No. 876,669; Jan. 14; Sp. p. 2029; Dr. pp. 442-3; Gaz. vol. 132; p. 360.
- Telegraphic transmitter. P. B. Delany. No. 877,914; Feb. 4; Sp. p. 39; Dr. p. 8; Gaz. vol. 132; p. 855.
- Telegraphic transmitter. P. B. Delany. No. 877,915; Feb. 4; Sp. p. 41; Dr. p. 8; Gaz. vol. 132; p. 855.
- Telegraphic transmitter. C. Brain. No. 879,357; Feb. 18; Sp. p. 2983; Dr. pp. 624-6; Gaz. vol. 132; p. 1401.
- Telegraphic transmitter. C. Williams, P. B. Mitchell, and S. Hathaway. No. 879,711; Feb. 18; Sp. p. 3750; Dr. pp. 786-7; Gaz. vol. 132; p. 1516.
- Telegraphic transmitter. G. A. Cardwell. No. 897,454; Sept. 1; Sp. p. 438; Dr. pp. 94-5; Gaz. vol. 136; p. 69.
- Telegraphic transmitting-tapes, Means for producing. I. Kitsee. No. 889,787; June 2; Sp. p. 1162; Dr. p. 269; Gaz. vol. 134; p. 1247.
- Telegraphic transmitting-tapes, Perforator for preparing. P. B. Delany. No. 906,618; Dec. 15; Sp. p. 2900; Gaz. vol. 137; p. 1525.
- Telegraphone. J. A. Lieb. No. 882,329; Mar. 17; Sp. p. 3685; Dr. p. 781; Gaz. vol. 133; p. 664.
- Telegraphone. H. R. Stuart. No. 890,195; June 9; Sp. p. 2010; Dr. p. 443; Gaz. vol. 134; p. 1410.
- Telegraphone. H. R. Stuart. No. 893,277; July 14; Sp. p. 1795; Dr. pp. 377-8; Gaz. vol. 135; p. 324.
- Telegraphone. H. R. Stuart. No. 893,278; July 14; Sp. p. 1800; Dr. p. 378; Gaz. vol. 135; p. 324.
- Telegraphone. H. Schütte. No. 896,416; Aug. 18; Sp. p. 3263; Dr. p. 699; Gaz. vol. 135; p. 1476.
- Telegraphone. H. R. Stuart. No. 898,283; Sept. 8; Sp. p. 2118; Dr. pp. 450-1; Gaz. vol. 136; p. 367.
- Telegraphone principle, Apparatus for recording and reproducing by the. H. R. Stuart. No. 901,397; Oct. 20; Sp. p. 2783; Dr. p. 566; Gaz. vol. 136; p. 1570.
- Telegraphone record-disk. J. A. Lieb. No. 907,383; Dec. 22; Sp. p. 4401; Gaz. vol. 137; p. 1809.
- Telegraphone system, Multiple. G. Morin. No. 897,765; Sept. 1; Sp. p. 1049; Dr. pp. 225-7; Gaz. vol. 136; p. 170.
- Telegraphones, Amplifying-magnet system for. J. A. Lieb. No. 882,328; Mar. 17; Sp. p. 3683; Dr. p. 781; Gaz. vol. 133; p. 664.
- Telegraphones, Circuit-controlling device for. J. A. Lieb. No. 882,327; Mar. 17; Sp. p. 3681; Dr. p. 781; Gaz. vol. 133; p. 663.
- Telegraphy. P. B. Delany. No. 877,555; Jan. 28; Sp. p. 3850; Dr. p. 839; Gaz. vol. 132; p. 712.
- Telegraphy. I. Kitsee. No. 878,963; Feb. 11; Sp. p. 2218; Dr. p. 464; Gaz. vol. 132; p. 1232.
- Telegraphy. I. Kitsee. No. 888,510; May 26; Sp. p. 4366; Dr. p. 926; Gaz. vol. 134; p. 801.
- Telegraphy. I. Kitsee. No. 889,789; June 2; Sp. p. 1165; Dr. p. 270; Gaz. vol. 134; p. 1248.
- Telegraphy. I. Kitsee. No. 889,790; June 2; Sp. p. 1167; Dr. p. 270; Gaz. vol. 134; p. 1248.
- Telegraphy. I. Kitsee. No. 889,792; June 2; Sp. p. 1170; Dr. p. 271; Gaz. vol. 134; p. 1249.
- Telegraphy. I. Kitsee. No. 890,661; June 16; Sp. p. 2976; Dr. p. 652; Gaz. vol. 134; p. 1594.
- Telegraphy. I. Kitsee. No. 894,214; July 28; Sp. p. 3842; Dr. p. 796; Gaz. vol. 135; p. 682.
- Telegraphy. P. B. Delany. No. 894,820; Aug. 4; Sp. p. 41; Dr. pp. 8-9; Gaz. vol. 135; p. 907.
- Telegraphy. L. M. Potts. No. 901,372; Oct. 20; Sp. p. 2702; Dr. p. 555; Gaz. vol. 136; p. 1560.
- Telegraphy and other purposes, Electrical condenser suitable for use in wireless. L. H. Delloye. No. 887,598; May 12; Sp. p. 2572; Dr. p. 543; Gaz. vol. 134; p. 443.
- Telegraphy, Automatic. P. B. Delany. No. 899,209; Sept. 22; Sp. p. 3888; Dr. pp. 830-1; Gaz. vol. 136; p. 728.
- Telegraphy, Cable. I. Kitsee. No. 876,886; Jan. 14; Sp. p. 2430; Dr. p. 530; Gaz. vol. 132; p. 429.

Alphabetical list of inventions—Continued.

- Telegraphy, Cable. I. Kitsee. No. 888,096; May 19; Sp. p. 3557; Dr. p. 745; Gaz. vol. 134; p. 637.
 Telegraphy, Printing. I. Kitsee. No. 890,911; June 16; Sp. p. 3485; Dr. p. 764; Gaz. vol. 134; p. 1675.
 Telegraphy, Quadruplex or multiple. L. Connell, Jr. No. 876,312; Jan. 7; Sp. p. 1240; Dr. p. 270; Gaz. vol. 132; p. 207.
 Telegraphy, Receiver arrangement for wireless. G. Jahr. No. 905,537; Dec. 1; Sp. p. 866; Gaz. vol. 137; p. 1121.
 Telegraphy receiver, Wireless-. G. Marconi. No. 896,130; Aug. 18; Sp. p. 2688; Dr. p. 580; Gaz. vol. 135; p. 1383.
 Telegraphy, Space. L. De Forest. No. 879,532; Feb. 18; Sp. p. 3363; Dr. p. 703; Gaz. vol. 132; p. 1458.
 Telegraphy, Space. S. Cabot. No. 884,070; Apr. 7; Sp. p. 808; Dr. p. 171; Gaz. vol. 133; p. 1322.
 Telegraphy, Space. S. Cabot. No. 884,071; Apr. 7; Sp. p. 811; Dr. p. 171; Gaz. vol. 133; p. 1322.
 Telegraphy, Space. E. R. Cram. No. 884,076; Apr. 7; Sp. p. 818; Dr. p. 172; Gaz. vol. 133; p. 1324.
 Telegraphy, Space. J. S. Stone. No. 884,106; Apr. 7; Sp. p. 884; Dr. pp. 186-8; Gaz. vol. 133; p. 1334.
 Telegraphy, Space. J. S. Stone. No. 884,107; Apr. 7; Sp. p. 889; Dr. pp. 188-91; Gaz. vol. 133; p. 1334.
 Telegraphy, Space. J. S. Stone. No. 884,108; Apr. 7; Sp. p. 909; Dr. p. 192; Gaz. vol. 133; p. 1335.
 Telegraphy, Space. J. S. Stone. No. 884,109; Apr. 7; Sp. p. 915; Dr. pp. 192-3; Gaz. vol. 133; p. 1335.
 Telegraphy, Space. J. S. Stone and S. Cabot. No. 884,110; Apr. 7; Sp. p. 923; Dr. p. 193; Gaz. vol. 133; p. 1336.
 Telegraphy, Space. S. Cabot. No. 899,243; Sept. 22; Sp. p. 3987; Dr. p. 849; Gaz. vol. 136; p. 739.
 Telegraphy, Space. O. C. Roos. No. 901,649; Oct. 20; Sp. p. 3304; Dr. pp. 678-9; Gaz. vol. 136; p. 1651.
 Telegraphy, Wireless. G. W. Pierce. No. 879,409; Feb. 18; Sp. p. 3116; Dr. pp. 647-8; Gaz. vol. 132; p. 1418.
 Telegraphy, Wireless. G. Marconi. No. 884,986; Apr. 14; Sp. p. 2685; Dr. p. 571; Gaz. vol. 133; p. 1647.
 Telegraphy, Wireless. G. Marconi. No. 884,987; Apr. 14; Sp. p. 2689; Dr. p. 571; Gaz. vol. 133; p. 1647.
 Telegraphy, Wireless. G. Marconi. No. 884,989; Apr. 14; Sp. p. 2694; Dr. p. 572; Gaz. vol. 133; p. 1648.
 Telegraphy, Wireless. I. Kitsee. No. 889,791; June 2; Sp. p. 1169; Dr. p. 270; Gaz. vol. 134; p. 1248.
 Telegraphy, Wireless. R. A. Fessenden. No. 897,278; Sept. 1; Sp. p. 27; Dr. p. 7; Gaz. vol. 136; p. 7.
 Telemeter. A. König and E. Dönnitz. No. 889,625; June 2; Sp. p. 853; Dr. p. 195; Gaz. vol. 134; p. 1197.
 Telemotor. L. A. Lang. No. 897,907; Sept. 8; Sp. p. 1369; Dr. p. 294; Gaz. vol. 136; p. 248.
 Telephone-alarm, Automatic. M. L. Murdock and J. C. Gallagher. No. 880,155; Feb. 25; Sp. p. 4677; Dr. p. 985; Gaz. vol. 132; p. 1694.
 Telephone and circuits therefor. E. E. Clement. No. 887,998; May 19; Sp. p. 3374; Dr. p. 709; Gaz. vol. 134; p. 606.
 Telephone and fire-alarm system, Combined. C. E. Buell. No. 903,153; Nov. 3; Sp. p. 1232; Gaz. vol. 137; p. 202.
 Telephone and other circuits, Microphone apparatus for. Q. Majorana. No. 901,977; Oct. 27; Sp. p. 3990; Dr. p. 813; Gaz. vol. 136; p. 1790.
 Telephone and station apparatus. N. L. Weingott. No. 879,073; Feb. 11; Sp. p. 2414; Dr. pp. 505-6; Gaz. vol. 132; p. 1266.
 Telephone annunciator and jack. H. Tideman. No. 904,903; Nov. 24; Sp. p. 4893; Gaz. vol. 137; p. 874.
 Telephone apparatus. A. M. Cobb. No. 894,257; July 28; Sp. p. 3946; Dr. p. 813; Gaz. vol. 135; p. 696.
 Telephone apparatus. A. M. Cobb. No. 894,258; July 28; Sp. p. 3948; Dr. p. 813; Gaz. vol. 135; p. 697.
 Telephone apparatus. J. H. Thompson. No. 896,173; Aug. 18; Sp. p. 2759; Dr. p. 594; Gaz. vol. 135; p. 1395.
 Telephone apparatus. S. A. Beyland. No. 896,796; Aug. 25; Sp. p. 4034; Dr. p. 869; Gaz. vol. 135; p. 1622.
 Telephone apparatus. F. W. Wood. No. 898,619; Sept. 15; Sp. p. 2776; Dr. p. 592; Gaz. vol. 136; p. 508.
 Telephone apparatus, Portable. F. F. Strong. No. 898,699; Sept. 15; Sp. p. 2936; Dr. p. 629; Gaz. vol. 136; p. 534.
 Telephone attachment. W. W. Bythiner. No. 884,637; Apr. 14; Sp. p. 1964; Dr. p. 422; Gaz. vol. 133; p. 1536.
 Telephone attachment. G. J. Boelen. No. 907,960; Dec. 29; Sp. p. 5633; Gaz. vol. 137; p. 2028.
 Telephone-boxes and the like, Coin-controlled mechanism for. F. X. Bee. No. 881,652; Mar. 10; Sp. p. 2319; Dr. p. 502; Gaz. vol. 133; p. 416.
 Telephone-bracket. B. M. Lampert. No. 903,733; Nov. 10; Sp. p. 2387; Gaz. vol. 137; p. 420.
 Telephone-cabinet. W. B. Altick. No. 893,219; July 14; Sp. p. 1683; Dr. pp. 355-6; Gaz. vol. 135; p. 304.
 Telephone-call indicator. E. T. Ducharme. No. 901,894; Oct. 20; Sp. p. 3810; Dr. p. 776; Gaz. vol. 136; p. 1732.
 Telephone-call register. B. B. Brockway. No. 896,081; Aug. 18; Sp. p. 2605; Dr. p. 565; Gaz. vol. 135; p. 1369.
 Telephone-calls, Registering. I. Kitsee. No. 886,220; Apr. 28; Sp. p. 5225; Dr. p. 1100; Gaz. vol. 133; p. 2110.
 Telephone central-office apparatus. C. S. Winston. No. 878,264; Feb. 4; Sp. p. 762; Dr. p. 154; Gaz. vol. 132; p. 971.
 Telephone-circuit. C. M. Jacobs and W. J. Thorrowgood. No. 879,643; Feb. 18; Sp. p. 3615; Dr. p. 756; Gaz. vol. 132; p. 1494.
 Telephone-circuit, Subscriber's. H. M. Post. No. 901,738; Oct. 20; Sp. p. 3525; Dr. p. 713; Gaz. vol. 136; p. 1683.
 Telephone-circuit switching mechanism. A. K. Andriano. No. 877,033; Jan. 21; Sp. p. 2782; Dr. pp. 601-2; Gaz. vol. 132; p. 520.
 Telephone coin-box. C. S. Ellis. No. 895,443; Aug. 11; Sp. p. 1336; Dr. pp. 281-2; Gaz. vol. 135; p. 1139.
 Telephone coin-operated attachment, Pay-. E. J. Lonergan. No. 895,777; Aug. 11; Sp. p. 2006; Dr. pp. 425-6; Gaz. vol. 135; p. 1248.
 Telephone-cut-off device. N. Silverson. No. 891,961; June 30; Sp. p. 5672; Dr. p. 1221; Gaz. vol. 134; p. 2086.
 Telephone cut-off. H. S. Gilbert and W. F. Drake. No. 899,524; Sept. 29; Sp. p. 4496; Dr. p. 965; Gaz. vol. 136; p. 865.
 Telephone cut-off or muffler. G. S. Knowles. No. 888,822; May 26; Sp. p. 5039; Dr. p. 1075; Gaz. vol. 134; p. 905.
 Telephone cut-out. E. W. Smith. No. 881,628; Mar. 10; Sp. p. 2272; Dr. p. 493; Gaz. vol. 133; p. 409.
 Telephone desk set. R. H. Manson. No. 900,404; Oct. 6; Sp. p. 698; Dr. pp. 144-5; Gaz. vol. 136; p. 1182.
 Telephone desk-stand. A. M. Knudsen. No. 884,500; Apr. 14; Sp. p. 1684; Dr. pp. 362-3; Gaz. vol. 133; p. 1490.
 Telephone dictating system or apparatus. J. W. Kelly, Jr. No. 880,537; Mar. 3; Sp. p. 80; Dr. p. 19; Gaz. vol. 133; p. 18.
 Telephone-drop. T. Lidberg. No. 907,062; Dec. 15; Sp. p. 3735; Gaz. vol. 137; p. 1665.
 Telephone drop and jack, Combined. H. C. Thomson. No. 877,968; Feb. 4; Sp. p. 146; Dr. p. 33; Gaz. vol. 132; p. 873.
 Telephone-exchange. N. E. Norstrom. No. 877,727; Jan. 28; Sp. p. 4169; Dr. pp. 903-4; Gaz. vol. 132; p. 766.
 Telephone-exchange and alarm system, Combined. J. M. Latimer. No. 904,441; Nov. 17; Sp. p. 3896; Gaz. vol. 137; p. 692.
 Telephone-exchange apparatus. W. A. Fricke. No. 879,454; Feb. 18; Sp. p. 3218; Dr. p. 670; Gaz. vol. 132; p. 1432.
 Telephone-exchange apparatus. E. Tanke. No. 899,850; Sept. 29; Sp. p. 5203; Dr. p. 1114; Gaz. vol. 136; p. 973.
 Telephone-exchange apparatus. E. E. Yaxley. No. 905,619; Dec. 1; Sp. p. 1016; Gaz. vol. 137; p. 1146.
 Telephone-exchange signaling device. T. W. Gardner. No. 897,731; Sept. 1; Sp. p. 991; Dr. p. 211; Gaz. vol. 136; p. 159.
 Telephone-exchange system. S. B. Fowler. No. 877,921; Feb. 4; Sp. p. 53; Dr. p. 11; Gaz. vol. 132; p. 857.
 Telephone-exchange system. E. R. Corwin. No. 888,872; May 26; Sp. p. 5144; Dr. p. 1094; Gaz. vol. 134; p. 922.
 Telephone-exchange system. E. R. Corwin. No. 888,873; May 26; Sp. p. 5149; Dr. p. 1094; Gaz. vol. 134; p. 923.
 Telephone-exchange system. E. R. Corwin. No. 888,874; May 26; Sp. p. 5154; Dr. p. 1094; Gaz. vol. 134; p. 923.
 Telephone-exchange system. H. G. Webster. No. 897,233; Aug. 25; Sp. p. 4993; Dr. p. 1055; Gaz. vol. 135; p. 1766.
 Telephone-exchange system. W. W. Dean. No. 900,489; Oct. 6; Sp. p. 880; Dr. pp. 180-1; Gaz. vol. 136; p. 1209.
 Telephone-exchange system. R. H. Manson. No. 900,676; Oct. 6; Sp. p. 1300; Dr. pp. 266-7; Gaz. vol. 136; p. 1273.
 Telephone-exchange system. M. S. Conner. No. 901,684; Oct. 20; Sp. p. 3385; Dr. pp. 692-3; Gaz. vol. 136; p. 1664.
 Telephone-exchange system. M. S. Conner. No. 901,685; Oct. 20; Sp. p. 3396; Dr. p. 693; Gaz. vol. 136; p. 1665.
 Telephone-exchange system. M. S. Conner. No. 901,686; Oct. 20; Sp. p. 3405; Dr. p. 693; Gaz. vol. 136; p. 1665.
 Telephone-exchange system. M. S. Conner. No. 901,689; Oct. 20; Sp. p. 3416; Dr. p. 694; Gaz. vol. 136; p. 1667.
 Telephone-exchange system. W. M. Davis. No. 901,696; Oct. 20; Sp. p. 3439; Dr. p. 697; Gaz. vol. 136; p. 1669.
 Telephone-exchange system. E. R. Corwin. No. 902,715; Nov. 3; Sp. p. 367; Gaz. vol. 137; p. 63.
 Telephone-exchange system. H. G. Webster. No. 907,659; Dec. 22; Sp. p. 5004; Gaz. vol. 137; p. 1900.
 Telephone-exchange system and apparatus. D. B. Wick, Jr. No. 904,105; Nov. 17; Sp. p. 3181; Gaz. vol. 137; p. 578.
 Telephone-exchange system, Automatic. B. G. Dunham. No. 901,698; Oct. 20; Sp. p. 3443; Dr. pp. 698-9; Gaz. vol. 136; p. 1670.
 Telephone-exchange system, Multiparty-line. G. Babcock. No. 901,669; Oct. 20; Sp. p. 3341; Dr. p. 686; Gaz. vol. 136; p. 1657.
 Telephone-holder. L. S. Hallowell. No. 906,874; Dec. 15; Sp. p. 3400; Gaz. vol. 137; p. 1606.
 Telephone hook-switch. H. L. Knight. No. 885,348; Apr. 21; Sp. p. 3473; Dr. p. 723; Gaz. vol. 133; p. 1801.
 Telephone hook-switch. H. Tideman. No. 901,212; Oct. 13; Sp. p. 2355; Dr. p. 482; Gaz. vol. 136; p. 1471.
 Telephone hook-switch. H. Tideman. No. 901,213; Oct. 13; Sp. p. 2356; Dr. p. 482; Gaz. vol. 136; p. 1471.
 Telephone hook-switch. H. Tideman. No. 901,214; Oct. 13; Sp. p. 2357; Dr. p. 482; Gaz. vol. 136; p. 1471.
 Telephone-indicator, Automatic. R. Sedgwick. No. 903,898; Nov. 17; Sp. p. 2760; Gaz. vol. 137; p. 508.
 Telephone installations, Apparatus for. C. A. Simpson. No. 901,127; Oct. 13; Sp. p. 2210; Dr. p. 449; Gaz. vol. 136; p. 1444.
 Telephone instrument. C. E. Cole. No. 883,088; Mar. 24; Sp. p. 5152; Dr. p. 1100; Gaz. vol. 133; p. 944.
 Telephone instrument. M. Waters. No. 888,211; May 19; Sp. p. 3768; Dr. p. 791; Gaz. vol. 134; p. 673.
 Telephone instrument. W. R. Daniels. No. 897,718; Sept. 1; Sp. p. 968; Dr. p. 207; Gaz. vol. 136; p. 155.
 Telephone-line-testing system. W. W. Dean. No. 905,854; Dec. 8; Sp. p. 1470; Gaz. vol. 137; p. 1254.
 Telephone-line-testing system. W. W. Dean. No. 907,751; Dec. 29; Sp. p. 5199; Gaz. vol. 137; p. 1960.
 Telephone-lines, Disconnecting device for. F. Johnson and H. Smith. No. 892,060; June 30; Sp. p. 5847; Dr. p. 1258; Gaz. vol. 134; p. 2116.
 Telephone-lines, Supervisory system for. W. W. Dean. No. 898,195; Sept. 8; Sp. p. 1954; Dr. p. 417; Gaz. vol. 136; p. 339.
 Telephone local toll or pay stations, System and apparatus for. J. Harrison. No. 886,497; May 5; Sp. p. 304; Dr. p. 64; Gaz. vol. 134; p. 56.
 Telephone memorandum and recording device. U. G. Cave. No. 879,082; Feb. 11; Sp. p. 2440; Dr. p. 510; Gaz. vol. 132; p. 1269.
 Telephone memorandum-pad. E. J. Casey. No. 898,553; Sept. 15; Sp. p. 2655; Dr. p. 568; Gaz. vol. 136; p. 488.
 Telephone-meter. N. H. Holland. No. 896,830; Aug. 25; Sp. p. 4109; Dr. p. 883; Gaz. vol. 135; p. 1634.

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- Telephone mouthpiece attachment. J. W. McBrine. No. 902,896; Nov. 3; Sp. p. 744; Gaz. vol. 137; p. 123.
- Telephone-receiver. H. G. Pape. No. 881,712; Mar. 10; Sp. p. 2435; Dr. p. 524; Gaz. vol. 133; p. 434.
- Telephone-receiver. L. Steinberger. No. 884,235; Apr. 7; Sp. p. 1163; Dr. p. 245; Gaz. vol. 133; p. 1376.
- Telephone-receiver. W. Gibson. No. 887,473; May 12; Sp. p. 2336; Dr. p. 488; Gaz. vol. 134; p. 403.
- Telephone-receiver. A. G. Kaufman and L. J. Lippmann. No. 900,387; Oct. 6; Sp. p. 665; Dr. pp. 136-7; Gaz. vol. 136; p. 1176.
- Telephone-receiver. N. Baldwin. No. 905,781; Dec. 1; Sp. p. 1317; Gaz. vol. 137; p. 1200.
- Telephone-receiver holder. G. J. Thomas. No. 901,850; Oct. 20; Sp. p. 3728; Dr. p. 758; Gaz. vol. 136; p. 1716.
- Telephone-receiver support. F. Simons. No. 895,695; Aug. 11; Sp. p. 1835; Dr. p. 391; Gaz. vol. 135; p. 1222.
- Telephone-receiver support. M. M. Kahn. No. 898,898; Sept. 15; Sp. p. 3295; Dr. p. 705; Gaz. vol. 136; p. 599.
- Telephone-relay. C. W. Underwood. No. 881,360; Mar. 10; Sp. p. 1731; Dr. pp. 372-3; Gaz. vol. 133; p. 321.
- Telephone-relay. C. W. Underwood. No. 893,953; July 21; Sp. p. 3274; Dr. p. 674; Gaz. vol. 135; p. 575.
- Telephone-relay. E. F. W. Alexanderson. No. 902,195; Oct. 27; Sp. p. 4440; Dr. p. 898; Gaz. vol. 136; p. 1858.
- Telephone-repeater. L. A. Lindsey. No. 901,974; Oct. 27; Sp. p. 3982; Dr. p. 812; Gaz. vol. 136; p. 1789.
- Telephone-repeater system. N. G. Warth. No. 894,170; July 21; Sp. p. 3731; Dr. p. 772; Gaz. vol. 135; p. 647.
- Telephone repeating apparatus, Circuit system for. H. E. Shreeve. No. 897,028; Aug. 25; Sp. p. 4556; Dr. p. 973; Gaz. vol. 135; p. 1700.
- Telephone-ringer. H. Tideman. No. 901,215; Oct. 13; Sp. p. 2358; Dr. p. 483; Gaz. vol. 136; p. 1471.
- Telephone-ringer. H. Tideman. No. 901,216; Oct. 13; Sp. p. 2359; Dr. p. 483; Gaz. vol. 136; p. 1472.
- Telephone-ringer. H. Tideman. No. 901,269; Oct. 13; Sp. p. 2467; Dr. p. 506; Gaz. vol. 136; p. 1489.
- Telephone selector and lock-out, Party-line. H. D. Williams. No. 886,909; May 5; Sp. p. 1146; Dr. p. 241; Gaz. vol. 134; p. 188.
- Telephone service, System for measured. J. Harrison. No. 886,498; May 5; Sp. p. 310; Dr. p. 64; Gaz. vol. 134; p. 57.
- Telephone set. S. S. Sonneborn. No. 898,796; Sept. 15; Sp. p. 3110; Dr. p. 666; Gaz. vol. 136; p. 565.
- Telephone set, Hand. G. F. Atwood. No. 893,891; July 21; Sp. p. 3157; Dr. p. 648; Gaz. vol. 135; p. 555.
- Telephone-signal. C. Mahler. No. 897,119; Aug. 25; Sp. p. 4733; Dr. p. 1008; Gaz. vol. 135; p. 1731.
- Telephone-stand. W. B. Oliver. No. 885,859; Apr. 28; Sp. p. 4509; Dr. p. 947; Gaz. vol. 133; p. 1993.
- Telephone substitution set. J. A. Birsfield. No. 902,641; Nov. 3; Sp. p. 218; Gaz. vol. 137; p. 37.
- Telephone-support. O. Kraus. No. 883,811; Apr. 7; Sp. p. 276; Dr. p. 50; Gaz. vol. 133; p. 1236.
- Telephone-support. W. S. Augst. No. 895,833; Aug. 11; Sp. p. 2126; Dr. p. 450; Gaz. vol. 135; p. 1266.
- Telephone support, Desk. F. P. Anderson. No. 900,640; Oct. 6; Sp. p. 1221; Dr. p. 250; Gaz. vol. 136; p. 1260.
- Telephone-supporting device, Portable. W. S. Augst. No. 895,834; Aug. 11; Sp. p. 2128; Dr. p. 451; Gaz. vol. 135; p. 1266.
- Telephone-switch. W. M. Bruce, Jr. No. 877,902; Feb. 4; Sp. p. 10; Dr. p. 2; Gaz. vol. 132; p. 851.
- Telephone-switch. A. N. Wright. No. 881,878; Mar. 10; Sp. p. 2769; Dr. p. 594; Gaz. vol. 133; p. 489.
- Telephone-switch. C. Truitt. No. 897,681; Sept. 1; Sp. p. 890; Dr. p. 191; Gaz. vol. 136; p. 142.
- Telephone-switch. V. E. Green. No. 898,576; Sept. 15; Sp. p. 2695; Dr. p. 576; Gaz. vol. 136; p. 494.
- Telephone switching and signaling apparatus. J. G. Wray, H. T. Gardner, and W. G. Kinton. No. 893,414; July 14; Sp. p. 2045; Dr. p. 429; Gaz. vol. 135; p. 368.
- Telephone-switchboard. C. E. Wilson. No. 899,278; Sept. 22; Sp. p. 4042; Dr. p. 864; Gaz. vol. 136; p. 750.
- Telephone-switchboard apparatus. L. A. Brinkman. No. 896,617; Aug. 18; Sp. p. 3646; Dr. p. 783; Gaz. vol. 135; p. 1541.
- Telephone-switchboard signal apparatus. G. H. Ryder. No. 888,748; May 26; Sp. p. 4854; Dr. p. 1035; Gaz. vol. 134; p. 881.
- Telephone-switchboards, Designation-plug for. A. H. Adams. No. 875,882; Jan. 7; Sp. p. 380; Dr. p. 84; Gaz. vol. 132; p. 70.
- Telephone-switchboards, Spring-jack for. G. Grabe. No. 897,085; Aug. 25; Sp. p. 4663; Dr. p. 993; Gaz. vol. 135; p. 1700.
- Telephone system. W. W. Dean. No. 877,058; Jan. 21; Sp. p. 2833; Dr. p. 612; Gaz. vol. 132; p. 528.
- Telephone system. H. M. Post. No. 877,121; Jan. 21; Sp. p. 2952; Dr. p. 638; Gaz. vol. 132; p. 548.
- Telephone system. A. L. Parcella. No. 878,151; Feb. 4; Sp. p. 507; Dr. p. 108; Gaz. vol. 132; p. 933.
- Telephone system. E. J. Burke. (Reissue). No. 12,756; Mar. 3; Sp. p. 1217; Dr. p. 262; Gaz. vol. 133; p. 207.
- Telephone system. F. E. Mayberry and N. H. Holland. No. 885,270; Apr. 21; Sp. p. 3300; Dr. p. 690; Gaz. vol. 133; p. 1775.
- Telephone system. W. W. Dean. No. 887,071; May 12; Sp. p. 1467; Dr. p. 311; Gaz. vol. 134; p. 270.
- Telephone system. C. W. Sharer. No. 888,427; May 19; Sp. p. 4198; Dr. p. 890; Gaz. vol. 134; p. 744.
- Telephone system. E. R. Corwin. No. 888,870; May 26; Sp. p. 5130; Dr. p. 1093; Gaz. vol. 134; p. 921.
- Telephone system. E. R. Corwin. No. 888,871; May 26; Sp. p. 5135; Dr. p. 1094; Gaz. vol. 134; p. 922.
- Telephone system. H. P. Clausen. No. 889,582; June 2; Sp. p. 777; Dr. p. 178; Gaz. vol. 134; p. 1183.
- Telephone system. N. H. Suren. No. 891,786; June 23; Sp. p. 5285; Dr. p. 1144; Gaz. vol. 134; p. 1997.
- Telephone system. W. W. Dean. No. 895,166; Aug. 4; Sp. p. 774; Dr. p. 162; Gaz. vol. 135; p. 1023.
- Telephone system. C. L. Goodrum. No. 896,103; Aug. 18; Sp. p. 2646; Dr. p. 571; Gaz. vol. 135; p. 1375.
- Telephone system. J. J. Kelly. No. 896,836; Aug. 25; Sp. p. 4129; Dr. p. 885; Gaz. vol. 135; p. 1636.
- Telephone system. A. H. Weiss. No. 897,042; Aug. 25; Sp. p. 4584; Dr. p. 977; Gaz. vol. 135; p. 1705.
- Telephone system. H. G. Webster. No. 897,232; Aug. 25; Sp. p. 4970; Dr. p. 1055; Gaz. vol. 135; p. 1766.
- Telephone system. H. G. Webster. No. 897,234; Aug. 25; Sp. p. 4999; Dr. p. 1056; Gaz. vol. 135; p. 1767.
- Telephone system. H. G. Webster. No. 897,235; Aug. 25; Sp. p. 5011; Dr. p. 1056; Gaz. vol. 135; p. 1768.
- Telephone system. H. G. Webster. No. 897,236; Aug. 25; Sp. p. 5021; Dr. p. 1056; Gaz. vol. 135; p. 1769.
- Telephone system. H. G. Webster. No. 897,237; Aug. 25; Sp. p. 5030; Dr. p. 1057; Gaz. vol. 135; p. 1770.
- Telephone system. H. G. Webster. No. 897,238; Aug. 25; Sp. p. 5036; Dr. p. 1057; Gaz. vol. 135; p. 1771.
- Telephone system. H. G. Webster. No. 897,239; Aug. 25; Sp. p. 5041; Dr. p. 1057; Gaz. vol. 135; p. 1771.
- Telephone system. H. G. Webster. No. 897,240; Aug. 25; Sp. p. 5045; Dr. p. 1057; Gaz. vol. 135; p. 1772.
- Telephone system. H. G. Webster. No. 897,241; Aug. 25; Sp. p. 5050; Dr. p. 1058; Gaz. vol. 135; p. 1772.
- Telephone system. H. G. Webster. No. 897,242; Aug. 25; Sp. p. 5055; Dr. p. 1058; Gaz. vol. 135; p. 1773.
- Telephone system. H. G. Webster. No. 897,243; Aug. 25; Sp. p. 5060; Dr. p. 1058; Gaz. vol. 135; p. 1773.
- Telephone system. W. W. Dean. No. 897,723; Sept. 1; Sp. p. 974; Dr. p. 208; Gaz. vol. 136; p. 157.
- Telephone system. A. H. Dyson. No. 899,787; Sept. 29; Sp. p. 5060; Dr. p. 1084; Gaz. vol. 136; p. 952.
- Telephone system. E. R. Corwin. No. 901,785; Oct. 20; Sp. p. 3620; Dr. p. 733; Gaz. vol. 136; p. 1697.
- Telephone system. P. V. Smith. No. 902,338; Oct. 27; Sp. p. 4763; Dr. p. 961; Gaz. vol. 136; p. 1906.
- Telephone system. H. G. Webster. No. 902,930; Nov. 3; Sp. p. 802; Gaz. vol. 137; p. 132.
- Telephone system. W. W. Dean. No. 903,547; Nov. 10; Sp. p. 2031; Gaz. vol. 137; p. 363.
- Telephone system. J. A. and S. H. Geller. No. 903,561; Nov. 10; Sp. p. 2061; Gaz. vol. 137; p. 368.
- Telephone system. H. G. Webster. No. 904,583; Nov. 24; Sp. p. 4213; Gaz. vol. 137; p. 767.
- Telephone system. F. W. Dunbar. No. 904,850; Nov. 24; Sp. p. 4779; Gaz. vol. 137; p. 857.
- Telephone system. W. W. Dean. No. 906,513; Dec. 15; Sp. p. 2717; Gaz. vol. 137; p. 1493.
- Telephone system. W. W. Dean. No. 907,224; Dec. 22; Sp. p. 4091; Gaz. vol. 137; p. 1754.
- Telephone system. A. H. Dyson. No. 907,581; Dec. 22; Sp. p. 4798; Gaz. vol. 137; p. 1875.
- Telephone system. A. H. Dyson and F. W. Dunbar. No. 907,582; Dec. 22; Sp. p. 4815; Gaz. vol. 137; p. 1875.
- Telephone system. H. G. Webster. No. 907,658; Dec. 22; Sp. p. 4994; Gaz. vol. 137; p. 1899.
- Telephone system. H. G. Webster. No. 907,660; Dec. 22; Sp. p. 5014; Gaz. vol. 137; p. 1900.
- Telephone system. H. G. Webster. No. 907,661; Dec. 22; Sp. p. 5023; Gaz. vol. 137; p. 1901.
- Telephone system. H. G. Webster. No. 907,662; Dec. 22; Sp. p. 5028; Gaz. vol. 137; p. 1901.
- Telephone system. W. W. Dean. No. 908,213; Dec. 29; Sp. p. 6180; Gaz. vol. 137; p. 2114.
- Telephone system, Divided-central. W. W. Dean. No. 883,093; Mar. 24; Sp. p. 5161; Dr. p. 1102; Gaz. vol. 133; p. 946.
- Telephone system for fire-hose. H. Groschwitz. No. 885,922; Apr. 28; Sp. p. 4648; Dr. p. 978; Gaz. vol. 133; p. 2014.
- Telephone system, Lock-out. A. F. Poole. No. 878,018; Feb. 4; Sp. p. 252; Dr. p. 56; Gaz. vol. 132; p. 890.
- Telephone system, Non-interfering party-line. W. R. Brown. No. 876,434; Jan. 14; Sp. p. 1506; Dr. p. 324; Gaz. vol. 132; p. 278.
- Telephone system, Party-line. A. F. Poole. No. 878,017; Feb. 4; Sp. p. 244; Dr. p. 56; Gaz. vol. 132; p. 890.
- Telephone system, Party-line. W. W. Dean. No. 878,779; Feb. 11; Sp. p. 1876; Dr. p. 387; Gaz. vol. 132; p. 1175.
- Telephone system, Party-line. T. L. Willson. No. 887,887; May 19; Sp. p. 3164; Dr. p. 666; Gaz. vol. 134; p. 570.
- Telephone system, Private-branch-exchange. F. Arens. No. 906,602; Dec. 15; Sp. p. 2570; Gaz. vol. 137; p. 1520.
- Telephone system, Three-wire central-energy. C. A. Simpson. No. 885,186; Apr. 21; Sp. p. 3129; Dr. p. 658; Gaz. vol. 133; p. 1746.
- Telephone system, Toll. E. P. Baird. No. 886,031; Apr. 28; Sp. p. 4882; Dr. pp. 1028-9; Gaz. vol. 133; p. 2051.
- Telephone system, Toll. D. S. Hulfish. No. 907,804; Dec. 29; Sp. p. 5310; Gaz. vol. 137; p. 1979.
- Telephone systems, Call-register for. W. W. Dean. No. 887,233; May 12; Sp. p. 1784; Dr. p. 375; Gaz. vol. 134; p. 321.
- Telephone systems, Operator's selective ringing-key for. R. H. Manson. No. 887,260; May 12; Sp. p. 1838; Dr. pp. 388-9; Gaz. vol. 134; p. 329.
- Telephone testing system for party-lines. C. S. Winston. No. 900,458; Oct. 6; Sp. p. 831; Dr. p. 169; Gaz. vol. 136; p. 1200.
- Telephone toll apparatus. E. P. Baird. No. 880,708; Mar. 3; Sp. p. 430; Dr. pp. 91-2; Gaz. vol. 133; p. 76.
- Telephone toll-box. O. Brishois. No. 885,429; Apr. 21; Sp. p. 3622; Dr. p. 760; Gaz. vol. 133; p. 1826.
- Telephone toll-box. J. Harrison. No. 886,499; May 5; Sp. p. 314; Dr. p. 65; Gaz. vol. 134; p. 58.
- Telephone-transmitter. W. W. Dean. No. 878,192; Feb. 4; Sp. p. 622; Dr. p. 128; Gaz. vol. 132; p. 947.

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 Telephone-transmitter. E. R. Corwin. No. 887,231; May 12; Sp. p. 1782; Dr. p. 375; Gaz. vol. 134; p. 320.
 Telephone-transmitter. E. J. Pitrat. No. 894,460; July 28; Sp. p. 4361; Dr. p. 899; Gaz. vol. 135; p. 764.
 Telephone-transmitter. H. F. Albright. No. 895,544; Sept. 15; Sp. p. 2640; Dr. p. 564; Gaz. vol. 136; p. 484.
 Telephone-transmitter. A. G. Kaufman and L. J. Lippmann. No. 900,386; Oct. 6; Sp. p. 662; Dr. p. 136; Gaz. vol. 136; p. 1176.
 Telephone-transmitter. M. S. Conner. No. 901,687; Oct. 20; Sp. p. 3411; Dr. p. 693; Gaz. vol. 136; p. 1666.
 Telephone-transmitter. G. F. Atwood. No. 902,043; Oct. 27; Sp. p. 4141; Dr. p. 839; Gaz. vol. 136; p. 1810.
 Telephone-transmitter. W. Kaising. No. 903,197; Nov. 10; Sp. p. 1324; Gaz. vol. 137; p. 247.
 Telephone-transmitter. W. W. Dean. No. 907,975; Dec. 29; Sp. p. 5667; Gaz. vol. 137; p. 2034.
 Telephone-transmitter muffler. G. Kracker. No. 901,108; Oct. 13; Sp. p. 2180; Dr. p. 443; Gaz. vol. 136; p. 1438.
 Telephone-transmitter protector. J. Baumgarten. No. 901,869; Oct. 20; Sp. p. 3765; Dr. p. 765; Gaz. vol. 136; p. 1723.
 Telephone-transmitters, Appliance for use with. O. H. Goodrich. No. 897,084; Aug. 25; Sp. p. 4659; Dr. p. 993; Gaz. vol. 135; p. 1718.
 Telephone, Trick. E. and U. S. De Moulin. No. 876,947; Jan. 21; Sp. p. 2394; Dr. p. 564; Gaz. vol. 132; p. 490.
 Telephone trunking system. E. H. Rupe. No. 885,180; Apr. 21; Sp. p. 3113; Dr. p. 656; Gaz. vol. 133; p. 1744.
 Telephone, Wireless. N. B. Stubblefield. No. 887,357; May 12; Sp. p. 2081; Dr. pp. 436-7; Gaz. vol. 134; p. 365.
 Telephone, Wireless. F. J. McCarty. No. 889,031; May 26; Sp. p. 5450; Dr. p. 1158; Gaz. vol. 134; p. 973.
 Telephones and the like, Ringer for. E. R. Hobbs. (Reissue.) No. 12,828; July 7; Sp. p. 1179; Dr. p. 248; Gaz. vol. 135; p. 198.
 Telephones, Antiseptic lining of talking and hearing tubes for. H. Jankelowitz. No. 887,645; May 12; Sp. p. 2668; Dr. p. 563; Gaz. vol. 134; p. 459.
 Telephones, Coin-box and registering mechanism for. F. D. Powell and C. S. Ellis. No. 885,375; Apr. 21; Sp. p. 3528; Dr. pp. 737-8; Gaz. vol. 133; p. 1810.
 Telephones, Intercommunicating. H. C. Thomson. No. 893,820; July 21; Sp. p. 3019; Dr. p. 617; Gaz. vol. 135; p. 533.
 Telephones, Lock-out device for party-line. W. M. Bruce, Jr. No. 877,901; Feb. 4; Sp. p. 8; Dr. p. 2; Gaz. vol. 132; p. 850.
 Telephones, Phonograph attachment for. A. Hatchett. No. 893,642; Sept. 15; Sp. p. 2833; Dr. pp. 604-5; Gaz. vol. 136; p. 516.
 Telephones, Shield for mouthpieces of. T. M. La Jord. No. 905,330; Dec. 1; Sp. p. 392; Gaz. vol. 137; p. 1051.
 Telephones, Time-indicator for. J. Rounsevell and A. Bilms. No. 876,493; Jan. 14; Sp. p. 1632; Dr. p. 354; Gaz. vol. 132; p. 298.
 Telephoning, &c., Apparatus for. F. Sindingschristensen. No. 887,533; May 12; Sp. p. 2456; Dr. p. 518; Gaz. vol. 134; p. 423.
 Telephonic apparatus. F. W. Wood. No. 898,620; Sept. 15; Sp. p. 2778; Dr. p. 593; Gaz. vol. 136; p. 509.
 Telephonic calls, Apparatus for registering. C. W. Sharer. No. 881,447; Mar. 10; Sp. p. 1905; Dr. p. 415; Gaz. vol. 133; p. 348.
 Telephonic transmitter. F. G. Warrell. No. 901,570; Oct. 20; Sp. p. 3149; Dr. p. 643; Gaz. vol. 136; p. 1626.
 Telephony. M. Brooks. No. 879,438; Feb. 18; Sp. p. 3173; Dr. p. 661; Gaz. vol. 132; p. 1427.
 Telephony. I. Kitsee. No. 888,507; May 26; Sp. p. 4362; Dr. p. 925; Gaz. vol. 134; p. 800.
 Telephony. I. Kitsee. No. 893,249; July 14; Sp. p. 1741; Dr. p. 368; Gaz. vol. 135; p. 314.
 Telephony. I. Kitsee. No. 893,250; July 14; Sp. p. 1743; Dr. p. 369; Gaz. vol. 135; p. 314.
 Telephony. H. D. Currier. No. 907,470; Dec. 22; Sp. p. 4595; Gaz. vol. 137; p. 1839.
 Telescope. A. König. No. 880,028; Feb. 25; Sp. p. 4419; Dr. p. 928; Gaz. vol. 132; p. 1653.
 Telescope. E. Neumayer. No. 886,722; May 5; Sp. p. 793; Dr. p. 163; Gaz. vol. 134; p. 132.
 Telescope, Binocular. R. Straubel. No. 886,435; May 5; Sp. p. 186; Dr. p. 41; Gaz. vol. 134; p. 35.
 Telescope, Binocular. E. Bausch. No. 905,979; Dec. 8; Sp. p. 1709; Gaz. vol. 137; p. 1293.
 Telescope, Double. R. Straubel and J. Heckel. No. 886,436; May 5; Sp. p. 187; Dr. p. 41; Gaz. vol. 134; p. 36.
 Telescope, Double. A. König. No. 908,279; Dec. 29; Sp. p. 6305; Gaz. vol. 137; p. 2136.
 Telescope for surveying instruments. F. Heitzler. No. 891,773; June 23; Sp. p. 5254; Dr. pp. 1138-9; Gaz. vol. 134; p. 1992.
 Telescope, Ordnance-bore sighting-. S. Czapski. No. 893,836; July 21; Sp. p. 3054; Dr. p. 624; Gaz. vol. 135; p. 539.
 Telescope, Panoramic. H. Jacob. No. 882,762; Mar. 24; Sp. p. 4513; Dr. p. 962; Gaz. vol. 133; p. 838.
 Telescope, Prismatic double. H. Jacob. No. 898,653; Sept. 15; Sp. p. 2851; Dr. p. 609; Gaz. vol. 136; p. 519.
 Telescope, Scale and level hand-. A. König. No. 887,256; May 12; Sp. p. 1832; Dr. p. 387; Gaz. vol. 134; p. 328.
 Telescope, Sighting-. M. da S. Netto. No. 886,628; May 5; Sp. p. 563; Dr. p. 119; Gaz. vol. 134; p. 100.
 Telescope, Sighting-. F. Schleth. No. 886,647; May 5; Sp. p. 604; Dr. p. 125; Gaz. vol. 134; p. 105.
 Telescope, Sighting-telescope for arms and arm with sighting-. H. Jacob. No. 907,366; Dec. 22; Sp. p. 4371; Gaz. vol. 137; p. 1803.
 Telescope with displaceable reversing system. E. Neumayer. No. 879,572; Feb. 18; Sp. p. 3454; Dr. p. 723; Gaz. vol. 132; p. 1471.
 Telescopes, Mounting of sighting-. H. Jacob. No. 881,590; Mar. 10; Sp. p. 2180; Dr. p. 475; Gaz. vol. 133; p. 396.
 Telescoping device. C. L. Gardner. No. 893,620; July 21; Sp. p. 2526; Dr. p. 526; Gaz. vol. 135; p. 465.
 Telltale apparatus for running machinery. W. E. Ormiston and W. D. Martin. No. 893,865; July 21; Sp. p. 3108; Dr. p. 637; Gaz. vol. 135; p. 547.
 Telpher. H. M. Harding and C. M. Clark. No. 878,797; Feb. 11; Sp. p. 1916; Dr. p. 394; Gaz. vol. 132; p. 1181.
 Temperature-control system. H. G. Geissinger. No. 887,088; May 12; Sp. p. 1500; Dr. p. 318; Gaz. vol. 134; p. 275.
 Temperature-exchanging apparatus. E. Moreau. No. 884,600; Apr. 14; Sp. p. 1891; Dr. pp. 405-6; Gaz. vol. 133; p. 1523.
 Temperature-indicating instrument. A. N. Ozias. No. 904,558; Nov. 24; Sp. p. 4163; Gaz. vol. 137; p. 758.
 Temperature, Means for showing from a distance the variations in. J. B. Fournier. No. 883,159; Mar. 24; Sp. p. 5302; Dr. p. 1132; Gaz. vol. 133; p. 968.
 Temperature, Means for using from a distance the variations in. J. B. Fournier. No. 886,201; Apr. 28; Sp. p. 5194; Dr. p. 1094; Gaz. vol. 133; p. 2105.
 Temperature reader and recorder, Electrical. G. E. Kirk. No. 905,326; Dec. 1; Sp. p. 384; Gaz. vol. 137; p. 1049.
 Temperature regulation. A. R. Sprague. No. 880,414; Feb. 25; Sp. p. 5201; Dr. p. 1096; Gaz. vol. 132; p. 1781.
 Temperature-regulator. V. F. Davis. No. 889,182; May 26; Sp. p. 5777; Dr. p. 1224; Gaz. vol. 134; p. 1023.
 Temperature-regulators, Thermosensitive device for automatic. W. M. Fulton. No. 904,123; Nov. 17; Sp. p. 3220; Gaz. vol. 137; p. 584.
 Temple-bending machine. S. Norden. No. 903,224; Nov. 10; Sp. p. 1385; Gaz. vol. 137; p. 256.
 Templet. H. B. Ash. No. 877,879; Jan. 28; Sp. p. 4447; Dr. p. 970; Gaz. vol. 132; p. 815.
 Templet. H. B. Ash. No. 893,562; July 14; Sp. p. 2392; Dr. p. 502; Gaz. vol. 135; p. 416.
 Temporary binder. H. H. Liscum. No. 904,543; Nov. 24; Sp. p. 4134; Gaz. vol. 137; p. 754.
 Tennis-courts, &c., Device for marking. W. E. Lancaster and T. C. Nichols. No. 892,962; July 7; Sp. p. 1149; Dr. p. 241; Gaz. vol. 135; p. 193.
 Tennis-racket. C. H. Krüger. No. 879,477; Feb. 18; Sp. p. 3254; Dr. p. 678; Gaz. vol. 132; p. 1439.
 Tennis-racket. C. T. Thompson and F. P. Mitchell. No. 881,266; Mar. 10; Sp. p. 1544; Dr. p. 332; Gaz. vol. 133; p. 291.
 Tenon-joint fastener. J. H. Wray. No. 903,529; Nov. 10; Sp. p. 1992; Gaz. vol. 137; p. 357.
 Tenoning-machine, Vertical. J. R. Thomas. No. 882,278; Mar. 17; Sp. p. 3590; Dr. pp. 761-2; Gaz. vol. 133; p. 647.
 Tension-guide and thread-cleaner. W. J. English. No. 895,354; Aug. 4; Sp. p. 1156; Dr. p. 242; Gaz. vol. 135; p. 1087.
 Tension-spool. O. S. Sturtevant. No. 903,616; Nov. 10; Sp. p. 2180; Gaz. vol. 137; p. 386.
 Tent. R. P. Orr. No. 884,948; Apr. 14; Sp. p. 2617; Dr. p. 552; Gaz. vol. 133; p. 1636.
 Tent. F. W. Burch. No. 887,029; May 5; Sp. p. 1372; Dr. pp. 291-2; Gaz. vol. 134; p. 228.
 Tent. H. P. Whinnery. No. 892,698; July 7; Sp. p. 592; Dr. p. 128; Gaz. vol. 135; p. 104.
 Tent. H. Wenzel. No. 893,406; July 14; Sp. p. 2031; Dr. p. 426; Gaz. vol. 135; p. 366.
 Tent. F. H. Gotsche. No. 901,802; Oct. 20; Sp. p. 3655; Dr. p. 740; Gaz. vol. 136; p. 1703.
 Tent and sleeping-bag, Combination. F. W. Burch. No. 902,133; Oct. 27; Sp. p. 4315; Dr. p. 874; Gaz. vol. 136; p. 1839.
 Tent, Folding. W. R. Diehl. No. 882,875; Mar. 24; Sp. p. 4748; Dr. p. 1010; Gaz. vol. 133; p. 875.
 Tent, Folding. J. F. Miles. No. 894,681; July 28; Sp. p. 4798; Dr. p. 996; Gaz. vol. 135; p. 837.
 Tent-opening frame. G. V. Hanlon. No. 882,383; Mar. 17; Sp. p. 3773; Dr. p. 805; Gaz. vol. 133; p. 681.
 Tent-pin. H. Hawley. No. 907,799; Dec. 29; Sp. p. 5304; Gaz. vol. 137; p. 1978.
 Terminal connector. H. T. Johnson. No. 883,201; Mar. 31; Sp. p. 5402; Dr. p. 1150; Gaz. vol. 133; p. 1012.
 Terpene esters, Making. A. A. Shukoff. No. 900,316; Oct. 6; Sp. p. 524; Gaz. vol. 136; p. 1154.
 Terpenes and wood-pulp, Treating wood to produce. W. J. Hough. No. 903,859; Nov. 17; Sp. p. 2665; Gaz. vol. 137; p. 494.
 Terpenes from wood, Producing. W. J. Hough. No. 903,471; Nov. 10; Sp. p. 1872; Gaz. vol. 137; p. 338.
 Test apparatus. H. W. Trott. No. 894,350; July 28; Sp. p. 4133; Dr. p. 854; Gaz. vol. 135; p. 728.
 Testing apparatus. W. M. von Hassel. No. 880,991; Mar. 3; Sp. p. 1007; Dr. p. 216; Gaz. vol. 133; p. 171.
 Testing apparatus. W. I. Ballentine. No. 881,047; Mar. 3; Sp. p. 1107; Dr. p. 240; Gaz. vol. 133; p. 189.
 Testing-device selective mechanism. A. B. Herrick. No. 896,828; Aug. 25; Sp. p. 4104; Dr. p. 882; Gaz. vol. 135; p. 1633.
 Testing-machine. T. Olsen. No. 875,730; Jan. 7; Sp. p. 103; Dr. pp. 21-2; Gaz. vol. 132; p. 21.
 Testing-machine. F. K. Landgraf and W. L. Turner. No. 902,497; Oct. 27; Sp. p. 5099; Dr. pp. 1032-3; Gaz. vol. 136; p. 1960.
 Textile industry, Torrefying apparatus for the. C. F. Kaiser. No. 882,691; Mar. 24; Sp. p. 4371; Dr. p. 930; Gaz. vol. 133; p. 816.
 Textile plants, Chemically retting and ungumming of all. A. Blachon and J. Peretmère. No. 905,639; Dec. 1; Sp. p. 1056; Gaz. vol. 137; p. 1153.
 Textile-spreading device. E. Gessner. No. 883,535; Mar. 31; Sp. p. 6101; Dr. pp. 1297-8; Gaz. vol. 133; p. 1120.
 Thawing device. J. W. Cooper. No. 879,745; Feb. 18; Sp. p. 3815; Dr. p. 800; Gaz. vol. 132; p. 1528.

Alphabetical list of inventions—Continued.

- Thawing frozen ground, &c., Apparatus for. C. Schweizer. No. 889,975; June 9; Sp. p. 1553; Dr. p. 350; Gaz. vol. 134; p. 1336.
- Theater appliance. M. Littmann. No. 892,600; July 7; Sp. p. 394; Dr. p. 87; Gaz. vol. 135; p. 73.
- Theater-chair. R. H. Gehrke. No. 895,552; Aug. 11; Sp. p. 1561; Dr. pp. 329-30; Gaz. vol. 135; p. 1176.
- Theatrical apparatus. H. L. Bowdoin. No. 877,167; Jan. 21; Sp. p. 3055; Dr. p. 662; Gaz. vol. 132; p. 564.
- Theatrical appliance. S. Birnbaum. No. 877,286; Jan. 21; Sp. p. 3297; Dr. p. 714; Gaz. vol. 132; p. 604.
- Theatrical property. M. Fortuny. No. 895,359; Aug. 4; Sp. p. 1166; Dr. p. 245; Gaz. vol. 135; p. 1088.
- Therapeutic apparatus. T. Powell. No. 889,964; June 9; Sp. p. 1530; Dr. pp. 345-6; Gaz. vol. 134; p. 1332.
- Therapeutic purposes, Means for producing and utilizing rays of light for. C. E. Rogers. No. 894,166; July 21; Sp. p. 3721; Dr. p. 770; Gaz. vol. 135; p. 646.
- Thermal cut-out. B. D. Horton. No. 893,586; July 14; Sp. p. 2455; Dr. p. 511; Gaz. vol. 135; p. 424.
- Thermal protector, Contactless. F. B. Cook. No. 903,813; Nov. 10; Sp. p. 2562; Gaz. vol. 137; p. 448.
- Thermal protectors, Repairing and testing means for contactless. F. B. Cook. No. 906,615; Dec. 15; Sp. p. 2895; Gaz. vol. 137; p. 1524.
- Thermic mixture. H. Goldschmidt. No. 902,871; Nov. 3; Sp. p. 691; Gaz. vol. 137; p. 115.
- Thermic mixtures, Manufacture of. H. Goldschmidt. No. 906,009; Dec. 8; Sp. p. 1765; Gaz. vol. 137; p. 1303.
- Thermometer. S. Lachapelle. No. 878,481; Feb. 4; Sp. p. 1202; Dr. p. 248; Gaz. vol. 132; p. 1043.
- Thermometer. E. Kessling. No. 879,474; Feb. 18; Sp. p. 3249; Dr. p. 677; Gaz. vol. 132; p. 1433.
- Thermometer. S. Neal. No. 900,575; Oct. 6; Sp. p. 1081; Dr. pp. 221-2; Gaz. vol. 136; p. 1239.
- Thermometer and other similar device having saturated vapors. J. B. Fournier. No. 896,526; Aug. 18; Sp. p. 3489; Dr. p. 749; Gaz. vol. 135; p. 1513.
- Thermometer attachment, Clinical-. R. F. Schneider. No. 875,742; Jan. 7; Sp. p. 126; Dr. p. 28; Gaz. vol. 132; p. 25.
- Thermometer-case. F. R. Hart. No. 899,044; Sept. 22; Sp. p. 3562; Dr. p. 763; Gaz. vol. 136; p. 673.
- Thermometer, Clinical and other. C. Nurnberg. No. 900,580; Oct. 6; Sp. p. 1087; Dr. p. 223; Gaz. vol. 136; p. 1240.
- Thermometer, Electric-alarm. W. Walther. No. 887,157; May 12; Sp. p. 1614; Dr. p. 343; Gaz. vol. 134; p. 297.
- Thermometer-holder. L. R. Edwards. No. 897,075; Aug. 25; Sp. p. 4647; Dr. p. 990; Gaz. vol. 135; p. 1716.
- Thermometer, Oven-. A. E. Whittier. No. 887,447; May 12; Sp. p. 2279; Dr. p. 478; Gaz. vol. 134; p. 394.
- Thermometers to tanks, vats, or the like, Device for attaching. H. W. Maurer. No. 899,313; Sept. 22; Sp. p. 4103; Dr. p. 877; Gaz. vol. 136; p. 761.
- Thermostat. O. Saugstad. No. 875,957; Jan. 7; Sp. p. 526; Dr. p. 112; Gaz. vol. 132; p. 92.
- Thermostat. F. P. Butman. No. 881,847; Mar. 10; Sp. p. 2688; Dr. p. 575; Gaz. vol. 133; p. 478.
- Thermostat. C. J. Fox. No. 883,008; Mar. 24; Sp. p. 5003; Dr. p. 1064; Gaz. vol. 133; p. 918.
- Thermostat. C. J. Letzing. No. 887,949; May 19; Sp. p. 3279; Dr. p. 689; Gaz. vol. 134; p. 590.
- Thermostat. P. A. Brown. No. 889,355; June 2; Sp. p. 317; Dr. p. 75; Gaz. vol. 134; p. 1109.
- Thermostat. W. F. Gossick and A. R. Van Valkenburgh. No. 893,918; July 21; Sp. p. 3208; Dr. p. 661; Gaz. vol. 135; p. 564.
- Thermostat. J. Nelson. No. 896,748; Aug. 25; Sp. p. 3928; Dr. p. 847; Gaz. vol. 135; p. 1605.
- Thermostat. A. T. Ziegler. No. 906,357; Dec. 8; Sp. p. 2432; Gaz. vol. 137; p. 1417.
- Thermostat, Closed-circuit. G. H. Bowen. No. 887,061; May 12; Sp. p. 1441; Dr. p. 306; Gaz. vol. 134; p. 266.
- Thermostat, Differential. W. H. Carrier. No. 896,090; Aug. 18; Sp. p. 3794; Dr. p. 819; Gaz. vol. 135; p. 1562.
- Thermostat, Differential. W. H. Carrier. No. 902,713; Nov. 3; Sp. p. 363; Gaz. vol. 137; p. 62.
- Thermostat, Electric. H. G. Geissinger. No. 887,087; May 12; Sp. p. 1496; Dr. p. 318; Gaz. vol. 134; p. 275.
- Thermostat for electric heaters. E. H. Richardson. No. 903,319; Nov. 10; Sp. p. 1557; Gaz. vol. 137; p. 288.
- Thermostatic controller. C. A. Dunham. No. 907,478; Dec. 22; Sp. p. 4609; Gaz. vol. 137; p. 1842.
- Thill-coupling. N. H. Mertens. No. 875,721; Jan. 7; Sp. p. 83; Dr. p. 17; Gaz. vol. 132; p. 18.
- Thill-coupling. C. C. Bradley. No. 876,620; Jan. 14; Sp. p. 1930; Dr. p. 421; Gaz. vol. 132; p. 344.
- Thill-coupling. D. W. Allen. No. 877,281; Jan. 21; Sp. p. 3291; Dr. p. 712; Gaz. vol. 132; p. 603.
- Thill-coupling. J. S. Shoemaker. No. 882,972; Mar. 24; Sp. p. 4938; Dr. p. 1049; Gaz. vol. 133; p. 908.
- Thill-coupling. C. C. Bradley. No. 886,578; May 5; Sp. p. 461; Dr. p. 99; Gaz. vol. 134; p. 85.
- Thill-coupling. N. M. Bell. No. 889,190; June 2; Sp. p. 6; Dr. p. 2; Gaz. vol. 134; p. 1058.
- Thill-coupling. D. W. Copeland. No. 889,587; June 2; Sp. p. 790; Dr. p. 179; Gaz. vol. 134; p. 1185.
- Thill-coupling. C. C. Bradley. No. 891,035; June 16; Sp. p. 3753; Dr. p. 819; Gaz. vol. 134; p. 1718.
- Thill-coupling. H. Paar. No. 891,186; June 16; Sp. p. 4024; Dr. p. 882; Gaz. vol. 134; p. 1764.
- Thill-coupling. G. A. Stiles. No. 892,694; July 7; Sp. p. 587; Dr. p. 127; Gaz. vol. 135; p. 103.
- Thill-coupling. J. P. Driscoll. No. 893,150; July 14; Sp. p. 1556; Dr. p. 328; Gaz. vol. 135; p. 283.
- Thill-coupling. J. S. Alden. No. 901,274; Oct. 13; Sp. p. 2485; Dr. p. 508; Gaz. vol. 136; p. 1491.
- Thill-coupling. J. B. Jackson. No. 905,536; Dec. 1; Sp. p. 864; Gaz. vol. 137; p. 1121.
- Thill-coupling. T. W. Dix. No. 906,516; Dec. 15; Sp. p. 2724; Gaz. vol. 137; p. 1494.
- Thill coupling and support, Antirattler. W. Cox. No. 891,465; June 23; Sp. p. 4618; Dr. p. 1003; Gaz. vol. 134; p. 1890.
- Thill coupling and support, Combined antirattler. W. Cox. No. 884,469; Apr. 14; Sp. p. 1620; Dr. p. 349; Gaz. vol. 133; p. 1481.
- Thill-coupling, Antirattler. W. A. Burnop and G. H. Spitzli. No. 892,397; July 7; Sp. p. 18; Dr. p. 6; Gaz. vol. 135; p. 6.
- Thill-coupling antirattling device. H. E. Vosburgh. No. 878,438; Feb. 4; Sp. p. 1087; Dr. p. 221; Gaz. vol. 132; p. 1027.
- Thill-coupling, Quick-shifting antirattling. C. E. Sjoman. No. 902,614; Nov. 3; Sp. p. 168; Gaz. vol. 137; p. 28.
- Thill-detacher. J. D. O'Brien. No. 898,130; Sept. 8; Sp. p. 1837; Dr. p. 391; Gaz. vol. 136; p. 319.
- Thill-support. A. W. Perry. No. 882,650; Mar. 24; Sp. p. 4294; Dr. p. 911; Gaz. vol. 133; p. 802.
- Thill-support. A. H. Chamberlain. No. 891,908; June 30; Sp. p. 5552; Dr. p. 1196; Gaz. vol. 134; p. 2069.
- Thill support, Vehicle-. B. M. Perdue. No. 877,449; Jan. 21; Sp. p. 3607; Dr. p. 781; Gaz. vol. 132; p. 656.
- Thimble. R. J. R. Blake. No. 898,085; Sept. 8; Sp. p. 1746; Dr. p. 371; Gaz. vol. 136; p. 306.
- Thread-counting apparatus. A. and L. Chronik. No. 901,879; Oct. 20; Sp. p. 3780; Dr. p. 768; Gaz. vol. 136; p. 1726.
- Thread-cutter. J. F. Wilkins. No. 888,563; May 26; Sp. p. 4484; Dr. p. 950; Gaz. vol. 134; p. 821.
- Thread-cutter. N. Zogg. No. 896,503; Aug. 18; Sp. p. 3443; Dr. p. 740; Gaz. vol. 135; p. 1505.
- Thread-cutting clip. H. R. Benda. No. 889,429; June 2; Sp. p. 473; Dr. p. 113; Gaz. vol. 134; p. 1135.
- Thread-cutting device. R. A. Smith. No. 873,097; Feb. 4; Sp. p. 411; Dr. p. 87; Gaz. vol. 132; p. 915.
- Thread-cutting device. G. A. Smith. No. 881,449; Mar. 10; Sp. p. 1908; Dr. p. 415; Gaz. vol. 133; p. 349.
- Thread-cutting machine, Taper-. W. W. Vosper. No. 876,114; Jan. 7; Sp. p. 839; Dr. p. 180; Gaz. vol. 132; p. 142.
- Thread-cutting temple. E. M. Main. No. 896,309; Aug. 18; Sp. p. 3042; Dr. p. 654; Gaz. vol. 135; p. 1441.
- Thread-finishing machine, Silk-. D. H. Haywood. No. 904,869; Nov. 24; Sp. p. 4832; Gaz. vol. 137; p. 863.
- Thread from hair, Manufacture of. A. Webb. No. 903,645; Nov. 10; Sp. p. 2230; Gaz. vol. 137; p. 394.
- Thread-guide. I. E. Palmer. (Reissue.) No. 12,769; Mar. 24; Sp. p. 5315; Dr. p. 1134; Gaz. vol. 133; p. 971.
- Thread-guide. I. E. Palmer. No. 884,037; Apr. 7; Sp. p. 748; Dr. p. 154; Gaz. vol. 133; p. 1312.
- Thread-guide mechanism. J. E. Prest. No. 886,638; May 5; Sp. p. 582; Dr. p. 122; Gaz. vol. 134; p. 102.
- Thread-holder. J. Rosenberg. No. 896,582; Aug. 18; Sp. p. 3584; Dr. p. 771; Gaz. vol. 135; p. 1530.
- Thread holder and waxer. M. F. Dougherty. No. 897,822; Sept. 1; Sp. p. 1183; Dr. p. 251; Gaz. vol. 136; p. 187.
- Thread-holder for spools. E. S. Prescott. No. 885,517; Apr. 21; Sp. p. 3774; Dr. p. 794; Gaz. vol. 133; p. 1853.
- Threading-tool. H. Jansen. No. 881,406; Mar. 10; Sp. p. 1824; Dr. p. 395; Gaz. vol. 133; p. 335.
- Thresher and separator, Combined. C. and G. F. Batke. No. 876,681; Jan. 14; Sp. p. 2048; Dr. p. 446; Gaz. vol. 132; p. 364.
- Thresher, cleaner, and storage unloader, Bur-cotton. W. R. Lamb. No. 884,671; Apr. 14; Sp. p. 2067; Dr. p. 442; Gaz. vol. 133; p. 1547.
- Thresher-concave. M. Flynn. No. 896,097; Aug. 18; Sp. p. 2629; Dr. p. 569; Gaz. vol. 135; p. 1373.
- Thresher, Pea-. E. W. Jones. No. 878,882; Feb. 11; Sp. p. 2065; Dr. p. 429; Gaz. vol. 132; p. 1207.
- Thresher, Traveling. R. Sylvester. No. 882,977; Mar. 24; Sp. p. 4947; Dr. pp. 1051-2; Gaz. vol. 133; p. 910.
- Thresher, Traveling. A. Hovland. No. 894,439; July 28; Sp. p. 4320; Dr. pp. 890-1; Gaz. vol. 135; p. 757.
- Threshers, Grain-pitching attachment for. N. Glick. No. 907,030; Dec. 15; Sp. p. 3679; Gaz. vol. 137; p. 1656.
- Threshers, Swinging conveyor for band-cutters and feeders of. F. S. Peabody. No. 902,537; Oct. 27; Sp. p. 5203; Dr. p. 1051; Gaz. vol. 136; p. 1973.
- Threshing-machine. G. Klein. No. 882,763; Mar. 24; Sp. p. 4514; Dr. p. 963; Gaz. vol. 133; p. 838.
- Threshing-machine. F. F. Landis. No. 882,896; Mar. 24; Sp. p. 4787; Dr. p. 1018; Gaz. vol. 133; p. 881.
- Threshing-machine. F. F. Landis. No. 886,707; May 5; Sp. p. 753; Dr. p. 154; Gaz. vol. 134; p. 127.
- Threshing-machine. J. Sanders. No. 886,872; May 5; Sp. p. 1079; Dr. p. 226; Gaz. vol. 134; p. 177.
- Threshing-machine. A. M. Anderson and C. Quesnell. No. 887,024; May 5; Sp. p. 1364; Dr. p. 290; Gaz. vol. 134; p. 226.
- Threshing-machine. T. S. Haynes. No. 887,632; May 12; Sp. p. 2639; Dr. pp. 556-7; Gaz. vol. 134; p. 455.
- Threshing-machine. T. Dugan. No. 890,129; June 9; Sp. p. 1870; Dr. pp. 413-14; Gaz. vol. 134; p. 1388.
- Threshing-machine. O. O. Berquam. No. 891,137; June 16; Sp. p. 3925; Dr. p. 859; Gaz. vol. 134; p. 1748.
- Threshing-machine. T. G. Branaman. No. 896,080; Aug. 18; Sp. p. 2603; Dr. p. 564; Gaz. vol. 135; p. 1369.
- Threshing-machine. W. Stephenson. No. 897,030; Aug. 25; Sp. p. 4561; Dr. p. 973; Gaz. vol. 135; p. 1701.
- Threshing-machine. J. O. Carlson. No. 903,054; Nov. 3; Sp. p. 1050; Gaz. vol. 137; p. 172.
- Threshing-machine. S. Clennin. No. 904,408; Nov. 17; Sp. p. 3834; Gaz. vol. 137; p. 682.

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- Threshing-machine concave. F. F. Landis. No. 892,529; July 7; Sp. p. 270; Dr. p. 58; Gaz. vol. 135; p. 50.
 Threshing-machine concaves, Movable support for. O. Olson. No. 906,553; Dec. 15; Sp. p. 2786; Gaz. vol. 137; p. 1506.
 Threshing-machine cylinder. A. H. Berg. No. 881,292; Mar. 10; Sp. p. 1607; Dr. p. 344; Gaz. vol. 133; p. 300.
 Threshing-machine feeder. Pea. I. N. White. No. 908,053; Dec. 29; Sp. p. 5823; Gaz. vol. 137; p. 2060.
 Threshing-machine feeder, Pneumatic. C. W. Sellers. No. 901,490; Oct. 20; Sp. p. 2998; Dr. pp. 611-12; Gaz. vol. 136; p. 1601.
 Threshing-machine-feeding mechanism, Automatic. G. O. Appel. No. 881,839; Mar. 10; Sp. p. 2673; Dr. p. 572; Gaz. vol. 133; p. 475.
 Threshing-machine separating mechanism. A. D. Baker and O. Gaiman. No. 905,134; Dec. 1; Sp. p. 17; Gaz. vol. 137; p. 987.
 Threshing-machine tooth. F. B. Carlson. No. 885,433; Apr. 21; Sp. p. 3628; Dr. p. 761; Gaz. vol. 133; p. 1827.
 Threshing machines, Adjustable concave for grain. J. O. Carlson. No. 902,710; Nov. 3; Sp. p. 358; Gaz. vol. 137; p. 61.
 Threshing-machines, Attachment to the caps of wind-stackers of. H. P. Voth and E. Siebrasse. No. 887,360; May 12; Sp. p. 2086; Dr. p. 438; Gaz. vol. 134; p. 366.
 Threshing-machines, Bundle-conveying attachment for. W. C. Niebuhr. No. 884,753; Apr. 14; Sp. p. 2234; Dr. pp. 471-2; Gaz. vol. 133; p. 1575.
 Threshing-machines, Bundle-straightener for. H. C. Wallace. No. 887,555; May 12; Sp. p. 2503; Dr. pp. 527-8; Gaz. vol. 134; p. 430.
 Threshing-machines, Safety tooth-catcher for. C. G. W. Wernicke. No. 882,035; Mar. 17; Sp. p. 3122; Dr. p. 663; Gaz. vol. 133; p. 568.
 Threshing mechanism. J. W. Shelbourn. No. 878,901; Feb. 11; Sp. p. 2108; Dr. p. 439; Gaz. vol. 132; p. 1213.
 Throttle. J. W. Kennedy. No. 887,944; May 19; Sp. p. 3271; Dr. p. 687; Gaz. vol. 134; p. 589.
 Throttle-controller. O. Thum. No. 881,088; Mar. 3; Sp. p. 1189; Dr. p. 257; Gaz. vol. 133; p. 202.
 Throttle-operator, Automatic. A. S. Anderson. No. 880,061; Feb. 25; Sp. p. 4497; Dr. pp. 944-5; Gaz. vol. 132; p. 1664.
 Thumb or finger attachment. N. Duperrault. No. 888,976; May 26; Sp. p. 5360; Dr. p. 1137; Gaz. vol. 134; p. 957.
 Tick-tack. W. H. Davis. No. 901,325; Oct. 20; Sp. p. 2600; Dr. p. 535; Gaz. vol. 136; p. 1543.
 Ticket. E. D. Fritch and G. Drewry. No. 876,794; Jan. 14; Sp. p. 2244; Dr. p. 493; Gaz. vol. 132; p. 398.
 Ticket. A. J. Reynolds. No. 897,783; Sept. 1; Sp. p. 1096; Dr. p. 235; Gaz. vol. 136; p. 175.
 Ticket. H. L. Kline. No. 908,010; Dec. 29; Sp. p. 5750; Gaz. vol. 137; p. 2046.
 Ticket-case. R. R. Clark. No. 883,295; Mar. 31; Sp. p. 5603; Dr. p. 1194; Gaz. vol. 133; p. 1043.
 Ticket dating and delivering apparatus, Automatic. E. W. and H. Bell. No. 895,613; Aug. 11; Sp. p. 1672; Dr. pp. 352-4; Gaz. vol. 135; p. 1195.
 Ticket delivering and registering mechanism. S. P. Thrasher. No. 879,217; Feb. 18; Sp. p. 2720; Dr. p. 567; Gaz. vol. 132; p. 1355.
 Ticket ejecting and registering device. I. Fluegelman. No. 890,632; June 16; Sp. p. 2922; Dr. p. 640; Gaz. vol. 134; p. 1585.
 Ticket for net goods or veillings. Z. Van Raalte. No. 893,039; July 14; Sp. p. 1328; Dr. p. 279; Gaz. vol. 135; p. 247.
 Ticket-holder. W. A. Downing and J. T. McHugh. No. 876,866; Jan. 14; Sp. p. 2387; Dr. p. 520; Gaz. vol. 132; p. 422.
 Ticket-holder. I. E. Stump. No. 877,253; Jan. 21; Sp. p. 3240; Dr. p. 701; Gaz. vol. 132; p. 594.
 Ticket-holder. E. Z. Wilkoshesky. No. 882,772; Mar. 24; Sp. p. 4526; Dr. p. 966; Gaz. vol. 133; p. 840.
 Ticket-holder. F. A. Morrison. No. 889,950; June 9; Sp. p. 1497; Dr. p. 340; Gaz. vol. 134; p. 1326.
 Ticket-holder. B. F. Emery. No. 906,002; Dec. 8; Sp. p. 1755; Gaz. vol. 137; p. 1301.
 Ticket holder and cutter, Cash-fare. A. I. Blanchard. No. 892,121; June 30; Sp. p. 5947; Dr. p. 1281; Gaz. vol. 134; p. 2136.
 Ticket holder and cutter for ticket-agents. A. D. Joslin. No. 896,918; Aug. 25; Sp. p. 4320; Dr. p. 925; Gaz. vol. 135; p. 1664.
 Ticket issuing and recording machine. H. Tyler. No. 886,743; May 5; Sp. p. 836; Dr. pp. 172-4; Gaz. vol. 134; p. 139.
 Ticket issuing and recording machine. J. F. Ohmer. No. 890,170; June 9; Sp. p. 1955; Dr. p. 431; Gaz. vol. 134; p. 1402.
 Ticket issuing and recording machine. J. F. Ohmer and E. H. Bridenbaugh. No. 892,876; July 7; Sp. p. 962; Dr. pp. 202-3; Gaz. vol. 135; p. 162.
 Ticket, Merchandise. T. H. Sherman. No. 898,694; Sept. 15; Sp. p. 2931; Dr. p. 627; Gaz. vol. 136; p. 533.
 Ticket or coin holder. J. Hetherington. No. 899,217; Sept. 22; Sp. p. 3903; Dr. p. 834; Gaz. vol. 136; p. 730.
 Ticket or receipt cutter. G. M. Rose, Jr. No. 906,295; Dec. 8; Sp. p. 2320; Gaz. vol. 137; p. 1398.
 Ticket or stamp delivering receptacle. V. Hegarty. No. 904,428; Nov. 17; Sp. p. 3874; Gaz. vol. 137; p. 688.
 Ticket-pad. M. Macdonald. No. 878,970; Feb. 11; Sp. p. 2225; Dr. p. 466; Gaz. vol. 132; p. 1234.
 Ticket, Pin. W. D. Smith. No. 903,611; Nov. 10; Sp. p. 2168; Gaz. vol. 137; p. 384.
 Ticket, Railway and other. J. S. Alexander. No. 875,765; Jan. 7; Sp. p. 168; Dr. pp. 36-7; Gaz. vol. 132; p. 33.
 Ticket, Railway fare and transfer. W. L. Riemer. No. 876,729; Jan. 14; Sp. p. 2134; Dr. p. 468; Gaz. vol. 132; p. 378.
 Ticket, Railway-fare receipt. H. N. Brown and J. B. N. Cardoza. No. 876,294; Jan. 7; Sp. p. 1195; Dr. p. 261; Gaz. vol. 132; p. 201.
 Ticket-record and train-check, Manifold. J. O. M. Seibert. No. 897,025; Aug. 25; Sp. p. 4553; Dr. p. 972; Gaz. vol. 135; p. 1699.
 Ticket-selling machine. W. C. Mayo and J. Houlehan. No. 897,217; Aug. 25; Sp. p. 4902; Dr. p. 1044; Gaz. vol. 135; p. 1760.
 Ticket separating and counting machine. W. A. Gibbs. No. 886,793; May 5; Sp. p. 948; Dr. pp. 197-9; Gaz. vol. 134; p. 154.
 Ticket-transfer. C. D. Meneely. No. 896,845; Aug. 25; Sp. p. 4148; Dr. p. 889; Gaz. vol. 135; p. 1640.
 Tickets, checks, &c., Holder for. P. C. Snow. No. 879,015; Feb. 11; Sp. p. 2311; Dr. p. 483; Gaz. vol. 132; p. 1248.
 Tickets, Fraud-detecting device for. H. C. Busby. No. 887,916; May 19; Sp. p. 3218; Dr. p. 677; Gaz. vol. 134; p. 580.
 Tide-wheel. G. L. Lynn. No. 893,337; July 14; Sp. p. 1905; Dr. pp. 398-9; Gaz. vol. 135; p. 343.
 Tie: See Bag-tie; Bale-tie; Building-block tie; Bundle or package tie; Car-stake tie; Concrete cross-tie; Concrete railway-tie; Cross-tie; Fence-tie; Metallic tie; Package-tie; Rail-tie; Railway-tie; Railway cross-tie; Railway-rail tie; Rope tie; Sack-tie; Wall-tie; Wire-tie.
 Tie and rail-fastening, Combined. R. T. Cummings. No. 884,132; Apr. 7; Sp. p. 985; Dr. p. 205; Gaz. vol. 133; p. 1343.
 Tie and rail-fastening, Combined. J. T. Tonry. No. 892,568; July 7; Sp. p. 329; Dr. pp. 72-3; Gaz. vol. 135; p. 62.
 Tie-cutting machine. C. C. Tate. No. 880,935; Mar. 3; Sp. p. 908; Dr. pp. 195-6; Gaz. vol. 133; p. 153.
 Tie-fastener. J. P. Chambers. No. 902,374; Oct. 27; Sp. p. 4823; Dr. p. 975; Gaz. vol. 136; p. 1917.
 Tie-holder. G. and C. Breeze. No. 883,282; Mar. 31; Sp. p. 5569; Dr. p. 1188; Gaz. vol. 133; p. 1039.
 Tie-holder. L. K. Sone. No. 888,360; May 19; Sp. p. 4050; Dr. p. 854; Gaz. vol. 134; p. 721.
 Tie-holder. W. J. Rosborough. No. 900,960; Oct. 13; Sp. p. 1901; Dr. p. 387; Gaz. vol. 136; p. 1391.
 Tie-making machine, Wall-. J. H. Rau. No. 904,563; Nov. 24; Sp. p. 4177; Gaz. vol. 137; p. 761.
 Tie-plate. M. Sellers. No. 894,986; Aug. 4; Sp. p. 427; Dr. p. 87; Gaz. vol. 135; p. 963.
 Tie-plate. F. A. Piper. No. 902,446; Oct. 27; Sp. p. 4978; Dr. p. 1006; Gaz. vol. 136; p. 1941.
 Tie-plate. E. H. Bell. No. 905,493; Dec. 1; Sp. p. 771; Gaz. vol. 137; p. 1107.
 Tie-plate. B. J. Coghin. No. 905,847; Dec. 8; Sp. p. 1451; Gaz. vol. 137; p. 1251.
 Tie-plate driver. E. H. Bell. No. 887,377; May 12; Sp. p. 2145; Dr. p. 449; Gaz. vol. 134; p. 371.
 Tie-plate, Interlocking. J. G. Toy. No. 891,750; June 23; Sp. p. 5211; Dr. p. 1127; Gaz. vol. 134; p. 1983.
 Tie-plates, Manufacturing. E. H. Bell. No. 879,238; Feb. 18; Sp. p. 2757; Dr. p. 577; Gaz. vol. 132; p. 1362.
 Tie-rod, Railway-rail. H. Herden. No. 905,530; Dec. 1; Sp. p. 855; Gaz. vol. 137; p. 1119.
 Tie-spacer. J. A. Miller. No. 907,844; Dec. 29; Sp. p. 5380; Gaz. vol. 137; p. 1991.
 Tie-tamper. F. J. Gilroy. No. 900,721; Oct. 13; Sp. p. 1392; Dr. p. 283; Gaz. vol. 136; p. 1314.
 Tie-tamping apparatus. J. Iliff. No. 893,505; July 14; Sp. p. 2270; Dr. pp. 477-8; Gaz. vol. 135; p. 398.
 Tie-wire clamp. G. Wrigley. No. 887,896; May 19; Sp. p. 3180; Dr. p. 669; Gaz. vol. 134; p. 573.
 Tightener. J. M. Evans. No. 880,980; Mar. 3; Sp. p. 992; Dr. p. 212; Gaz. vol. 133; p. 168.
 Tightening device. P. Schwickart. No. 889,817; June 2; Sp. p. 1219; Dr. p. 282; Gaz. vol. 134; p. 1257.
 Tie. J. H. Pugh. No. 888,530; May 26; Sp. p. 4399; Dr. pp. 932-3; Gaz. vol. 134; p. 808.
 Tie. J. W. Farr. No. 894,489; July 28; Sp. p. 4418; Dr. p. 913; Gaz. vol. 135; p. 774.
 Tie. K. McLeod. No. 895,884; Aug. 11; Sp. p. 2222; Dr. p. 474; Gaz. vol. 135; p. 1282.
 Tie. F. W. Garrettson and T. Lydon. No. 896,634; Aug. 18; Sp. p. 3677; Dr. p. 789; Gaz. vol. 135; p. 1545.
 Tie. F. N. Marvick. No. 903,300; Nov. 10; Sp. p. 1526; Gaz. vol. 137; p. 282.
 Tie, Drainage and irrigation. N. E. Austin. No. 901,582; Oct. 20; Sp. p. 3180; Dr. p. 648; Gaz. vol. 136; p. 1631.
 Tie-fastener. H. L. Robinson. No. 876,399; Jan. 14; Sp. p. 1432; Dr. p. 307; Gaz. vol. 132; p. 266.
 Tie-forming mold. J. D. Johnson. No. 893,223; Sept. 8; Sp. p. 2024; Dr. p. 429; Gaz. vol. 136; p. 348.
 Tie-handling apparatus, Drain-. E. Rave. No. 896,758; Aug. 25; Sp. p. 3947; Dr. p. 850; Gaz. vol. 135; p. 1609.
 Tie-machine. C. L. Baldwin. No. 893,597; July 12; Sp. p. 2481; Dr. pp. 516-17; Gaz. vol. 135; p. 457.
 Tie-machine, Adjustable automatic. H. A. Low and L. P. Carter. No. 893,530; July 14; Sp. p. 2315; Dr. p. 485; Gaz. vol. 135; p. 406.
 Tie-mold. H. A. Smyth and O. Perschbacher. No. 895,904; Aug. 11; Sp. p. 2251; Dr. p. 480; Gaz. vol. 135; p. 1289.
 Tie-molding apparatus, Glass-. E. D. Mooney. No. 904,795; Nov. 24; Sp. p. 4665; Gaz. vol. 137; p. 838.
 Tie-press. W. P. Meeker. No. 907,386; Dec. 22; Sp. p. 4405; Gaz. vol. 137; p. 1810.
 Tie-protector. C. S. and A. C. S. Rue. No. 906,562; Dec. 15; Sp. p. 2801; Gaz. vol. 137; p. 1508.
 Tie, Roofing-. B. R. Christensen. No. 880,012; Feb. 25; Sp. p. 4389; Dr. p. 921; Gaz. vol. 132; p. 1648.
 Tie, Roofing-. M. Marte. No. 882,765; Mar. 24; Sp. p. 4517; Dr. p. 963; Gaz. vol. 133; p. 839.
 Tie, Roofing-. C. N. Bruzaud. No. 885,663; Apr. 21; Sp. p. 4092; Dr. p. 856; Gaz. vol. 133; p. 1898.
 Tie, Roofing-. J. Freund. No. 889,595; June 2; Sp. p. 803; Dr. p. 183; Gaz. vol. 134; p. 1187.
 Tie, Roofing-. S. A. Jones. No. 903,477; Nov. 10; Sp. p. 1882; Gaz. vol. 137; p. 340.
 Tie, Sheet-metal. F. H. Gross. No. 908,248; Dec. 29; Sp. p. 6251; Gaz. vol. 137; p. 2126.

Alphabetical list of inventions—Continued.

- Tiling. B. Crosby. No. 898,560; Sept. 15; Sp. p. 2668; Dr. p. 570; Gaz. vol. 136; p. 489.
- Tiling. E. M. Kilbride. No. 899,410; Sept. 22; Sp. p. 4266; Dr. p. 915; Gaz. vol. 136; p. 791.
- Tiling. C. E. Hyke. No. 905,189; Dec. 1; Sp. p. 132; Gaz. vol. 137; p. 1005.
- Tiling for covering floors and walls. E. M. Kilbride. No. 879,554; Feb. 18; Sp. p. 3420; Dr. p. 716; Gaz. vol. 132; p. 1465.
- Tiling, Imitation. A. F. Papin. No. 906,654; Dec. 15; Sp. p. 2969; Gaz. vol. 137; p. 1536.
- Tiling-tool, Adjustable. B. W. Young. No. 896,879; Aug. 25; Sp. p. 4211; Dr. p. 901; Gaz. vol. 135; p. 1650.
- Tilling fields, Means for. C. J. Godley. No. 899,215; Sept. 22; Sp. p. 3900; Dr. p. 833; Gaz. vol. 136; p. 730.
- Tilting bin. E. H. Grant. No. 897,087; Aug. 25; Sp. p. 4665; Dr. p. 994; Gaz. vol. 135; p. 1719.
- Tilting chair. C. J. Travers. (Reissue.) No. 12,900; Dec. 15; Sp. p. 3853; Gaz. vol. 137; p. 1685.
- Timber and the like, Impregnating. E. Marmetschke. No. 898,246; Sept. 8; Sp. p. 2061; Gaz. vol. 136; p. 356.
- Timber-treating apparatus. R. E. Bright. No. 887,583; May 12; Sp. p. 2545; Dr. p. 537; Gaz. vol. 134; p. 439.
- Time-actuated mechanism. H. B. Snell. No. 899,571; Sept. 29; Sp. p. 4604; Dr. p. 988; Gaz. vol. 136; p. 881.
- Time-alarm. G. Hogan. No. 889,898; June 9; Sp. p. 1453; Dr. p. 328; Gaz. vol. 134; p. 1320.
- Time-controlled mechanism. M. K. Bauer. No. 900,053; Sept. 29; Sp. p. 5639; Dr. p. 1204; Gaz. vol. 136; p. 1038.
- Time-controller, Workman's. W. Rockwell. No. 898,508; Sept. 15; Sp. p. 2556; Dr. p. 548; Gaz. vol. 136; p. 472.
- Time-detectors, Key for watchmen's. P. Moosmann. No. 896,408; Aug. 18; Sp. p. 3244; Dr. pp. 695-6; Gaz. vol. 135; p. 1473.
- Time-glass. I. H. Hall, Jr. No. 877,421; Jan. 21; Sp. p. 3559; Dr. p. 769; Gaz. vol. 132; p. 648.
- Time-indicating device. C. E. Getz. No. 886,693; May 5; Sp. p. 719; Dr. p. 147; Gaz. vol. 134; p. 121.
- Time-indicating device. S. P. Thrasher. No. 906,956; Dec. 8; Sp. p. 1655; Gaz. vol. 137; p. 1286.
- Time-indicating device, Electric. W. F. Wentz. No. 883,992; Apr. 7; Sp. p. 661; Dr. p. 133; Gaz. vol. 133; p. 1297.
- Time-indicator. J. C. Loughry. No. 902,667; Nov. 3; Sp. p. 264; Gaz. vol. 137; p. 45.
- Time-indicator, Culinary. S. S. Wolfe. No. 889,421; June 2; Sp. p. 461; Dr. p. 110; Gaz. vol. 134; p. 1132.
- Time-lock. J. Flindall. No. 884,807; Apr. 14; Sp. p. 2344; Dr. p. 493; Gaz. vol. 133; p. 1593.
- Time-lock. J. Flindall. No. 884,808; Apr. 14; Sp. p. 2346; Dr. pp. 493-4; Gaz. vol. 133; p. 1594.
- Time-lock. J. Flindall. No. 884,809; Apr. 14; Sp. p. 2348; Dr. p. 494; Gaz. vol. 133; p. 1594.
- Time-movements, Electric escapement for. C. F. Hollister. No. 881,404; Mar. 10; Sp. p. 1822; Dr. p. 394; Gaz. vol. 133; p. 334.
- Time-recorder. J. D. Smith. No. 883,355; Mar. 31; Sp. p. 5705; Dr. p. 1218; Gaz. vol. 133; p. 1062.
- Time-recorder. A. A. Newman. No. 883,473; Mar. 31; Sp. p. 5982; Dr. p. 1276; Gaz. vol. 133; p. 1102.
- Time-recorder. W. H. Bundy. No. 898,718; Sept. 15; Sp. p. 2965; Dr. p. 635; Gaz. vol. 136; p. 540.
- Time-recorder, Autograph. W. D. Doremus. No. 900,059; Sept. 29; Sp. p. 5650; Dr. pp. 1206-8; Gaz. vol. 136; p. 1039.
- Time-recorder, Workman's. C. T. Hawley. (Reissue.) No. 12,761; Mar. 10; Sp. p. 2789; Dr. pp. 598-9; Gaz. vol. 133; p. 493.
- Time-recorder, Workman's. W. A. Wood. No. 886,456; May 5; Sp. p. 222; Dr. pp. 47-8; Gaz. vol. 134; p. 42.
- Time-recorder, Workman's. W. D. Doremus. No. 894,173; July 21; Sp. p. 3738; Dr. pp. 773-4; Gaz. vol. 135; p. 648.
- Time-recorders, Means for detecting false registration in. J. and A. Dey. No. 888,069; May 19; Sp. p. 3500; Dr. p. 733; Gaz. vol. 134; p. 628.
- Time-recorders, Registration-controller for. H. C. Ford. No. 898,042; Sept. 8; Sp. p. 1661; Dr. p. 353; Gaz. vol. 136; p. 291.
- Time-recording register. N. S. McNab and J. S. Link. No. 879,665; Feb. 18; Sp. p. 3656; Dr. pp. 764-5; Gaz. vol. 132; p. 1501.
- Time-register, Watchman's. A. A. Newman. No. 901,462; Oct. 20; Sp. p. 2927; Dr. p. 597; Gaz. vol. 136; p. 1591.
- Time-register, Watchman's. G. W. Ellis. No. 904,415; Nov. 17; Sp. p. 3846; Gaz. vol. 137; p. 684.
- Time-switch. C. E. Avery. No. 883,273; Mar. 31; Sp. p. 5552; Dr. p. 1184; Gaz. vol. 133; p. 1036.
- Time-switch, Automatic. H. B. Snell. No. 878,248; Feb. 4; Sp. p. 730; Dr. p. 148; Gaz. vol. 132; p. 966.
- Time-switch, Automatic. G. R. Clark. No. 908,073; Dec. 29; Sp. p. 5860; Gaz. vol. 137; p. 2066.
- Timer. W. W. Robinson. No. 888,195; May 19; Sp. p. 3734; Dr. p. 783; Gaz. vol. 134; p. 668.
- Timer. C. N. Isaacs. No. 897,743; Sept. 1; Sp. p. 1012; Dr. p. 215; Gaz. vol. 136; p. 163.
- Timer, Changeable-dial watchman's. J. J. Fitzsimmons. No. 898,405; Sept. 8; Sp. p. 2338; Dr. pp. 496-7; Gaz. vol. 136; p. 406.
- Timepiece. E. Aufero. No. 893,772; July 21; Sp. p. 2912; Dr. p. 597; Gaz. vol. 135; p. 517.
- Timepiece compensating controller. F. Ecaubert. No. 895,172; Aug. 4; Sp. p. 786; Dr. p. 164; Gaz. vol. 135; p. 1025.
- Timepiece-regulator. O. Ohlson. No. 894,457; July 28; Sp. p. 4358; Dr. p. 898; Gaz. vol. 135; p. 763.
- Timepiece-regulator. R. G. Norton. No. 907,521; Dec. 22; Sp. p. 4682; Gaz. vol. 137; p. 1855.
- Timepieces, Attachment for. F. Paquette. No. 901,822; Oct. 20; Sp. p. 3686; Dr. p. 749; Gaz. vol. 136; p. 1709.
- Timepieces, Winding-indicator for. A. G. Kountz. No. 876,721; Jan. 14; Sp. p. 2122; Dr. p. 466; Gaz. vol. 132; p. 376.
- Tin andterne plates, Automatic plate-carrier for use in the manufacture of. T. James. No. 895,024; Aug. 4; Sp. p. 510; Dr. pp. 102-3; Gaz. vol. 135; p. 977.
- Tin can. M. E. Dunkley. No. 901,429; Oct. 20; Sp. p. 2849; Dr. p. 582; Gaz. vol. 136; p. 1580.
- Tin cleaning and polishing machine. B. H. Divine. No. 883,098; Mar. 24; Sp. p. 5169; Dr. p. 1104; Gaz. vol. 133; p. 947.
- Tin compounds, Preparing pure. E. A. Sperry. No. 887,538; May 12; Sp. p. 2467; Gaz. vol. 134; p. 424.
- Tin, Cyclic process of recovering metallic. F. von Kugelgen and G. O. Seward. No. 883,139; Mar. 24; Sp. p. 5267; Gaz. vol. 133; p. 962.
- Tin, Electrolytic production of pure. A. J. M. Thivort. No. 883,589; Mar. 31; Sp. p. 6204; Gaz. vol. 133; p. 1136.
- Tin, Extracting. E. C. Higgins. No. 902,581; Nov. 3; Sp. p. 102; Gaz. vol. 137; p. 16.
- Tin from crude tin or tin alloys electrolytically, Obtaining pure. O. Steiner. No. 890,249; June 9; Sp. p. 2122; Dr. p. 466; Gaz. vol. 134; p. 1428.
- Tin, Machine for polishing, cleansing, and rolling sheets or plates of. D. Williams. No. 892,345; June 30; Sp. p. 6385; Dr. p. 1377; Gaz. vol. 134; p. 2211.
- Tin-plate catcher. E. L. Cronmeyer. No. 885,729; Apr. 28; Sp. p. 4235; Dr. pp. 887-8; Gaz. vol. 133; p. 1950.
- Tin-scraper, Apparatus for detinning. M. Leitch. No. 883,410; Mar. 31; Sp. p. 5846; Dr. pp. 1246-7; Gaz. vol. 133; p. 1081.
- Tin-scraper, Apparatus for detinning. M. Leitch. No. 906,726; Dec. 15; Sp. p. 3109; Gaz. vol. 137; p. 1560.
- Tin-scraper, Detinning. M. Leitch. No. 883,411; Mar. 31; Sp. p. 5850; Dr. p. 1247; Gaz. vol. 133; p. 1081.
- Tin-scraper, Detinning. M. Leitch. (Reissue.) No. 12,803; June 2; Sp. p. 1358; Dr. pp. 309-10; Gaz. vol. 134; p. 1281.
- Tin-scraper, Detinning. M. Leitch. No. 907,061; Dec. 15; Sp. p. 3734; Gaz. vol. 137; p. 1665.
- Tin-scraper, Reclaiming. E. A. Sperry. No. 879,596; Feb. 18; Sp. p. 3516; Gaz. vol. 132; p. 1478.
- Tin-scraper rending and shredding apparatus. M. Leitch. No. 883,209; Mar. 31; Sp. p. 5413; Dr. p. 1153; Gaz. vol. 133; p. 1015.
- Tin-scraper, Treating. M. Leitch. No. 883,210; Mar. 31; Sp. p. 5416; Dr. p. 1154; Gaz. vol. 133; p. 1016.
- Tin-scraper-treating apparatus. M. Leitch. No. 883,211; Mar. 31; Sp. p. 5418; Dr. pp. 1154-5; Gaz. vol. 133; p. 1016.
- Tin-scraper-treating apparatus. M. Leitch. No. 891,486; June 23; Sp. p. 4664; Dr. p. 1011; Gaz. vol. 134; p. 1896.
- Tin-transferring machine. A. C. Donell. No. 889,589; June 2; Sp. p. 793; Dr. p. 181; Gaz. vol. 134; p. 1185.
- Tinning and cleaning machine, Combined. J. Lewis. No. 899,996; Sept. 29; Sp. p. 5502; Dr. pp. 1172-3; Gaz. vol. 136; p. 1018.
- Tinning apparatus. W. I. Hill. No. 901,900; Oct. 20; Sp. p. 3824; Dr. p. 778; Gaz. vol. 136; p. 1734.
- Tinning-machines, Device for feeding. P. Boston. No. 884,008; Apr. 7; Sp. p. 688; Dr. pp. 138-9; Gaz. vol. 133; p. 1302.
- Tipple, Coal-. R. M. Bickley. No. 891,760; June 23; Sp. p. 5226; Dr. p. 1130; Gaz. vol. 134; p. 1987.
- Tipple, Steam-. F. R. Willson, Jr. No. 890,321; June 9; Sp. p. 2294; Dr. p. 506; Gaz. vol. 134; p. 1451.
- Tire: See Roller-skate tire.
- Tire. W. D. Harris. No. 875,994; Jan. 7; Sp. p. 599; Dr. p. 128; Gaz. vol. 132; p. 104.
- Tire. A. O'Brien. No. 892,075; June 30; Sp. p. 5868; Dr. p. 1263; Gaz. vol. 134; p. 2121.
- Tire. H. B. Baruch. No. 893,832; July 21; Sp. p. 3048; Dr. p. 623; Gaz. vol. 135; p. 537.
- Tire. A. G. Ritchie. No. 895,301; Aug. 4; Sp. p. 1075; Dr. p. 225; Gaz. vol. 135; p. 1070.
- Tire. E. T. Greenfield. No. 895,452; Aug. 11; Sp. p. 1356; Dr. p. 286; Gaz. vol. 135; p. 1142.
- Tire. W. Porter. No. 896,661; Aug. 18; Sp. p. 3726; Dr. p. 802; Gaz. vol. 135; p. 1553.
- Tire. E. T. Greenfield. No. 902,147; Oct. 27; Sp. p. 4338; Dr. p. 878; Gaz. vol. 136; p. 1843.
- Tire. F. A. Ellis. No. 903,066; Nov. 3; Sp. p. 1070; Gaz. vol. 137; p. 175.
- Tire. F. A. Seiberling. No. 906,569; Dec. 15; Sp. p. 2813; Gaz. vol. 137; p. 1510.
- Tire. E. Kempshall. No. 908,275; Dec. 29; Sp. p. 6300; Gaz. vol. 137; p. 2135.
- Tire and rim, Bicycle. S. S. Adams. No. 906,182; Dec. 8; Sp. p. 2098; Gaz. vol. 137; p. 1360.
- Tire and wheel therefor. W. Bowden. No. 884,702; Apr. 14; Sp. p. 2124; Dr. pp. 452-3; Gaz. vol. 133; p. 1557.
- Tire antislipping device. W. T. Maxwell. No. 877,512; Jan. 28; Sp. p. 3750; Dr. p. 812; Gaz. vol. 132; p. 698.
- Tire-armor. F. E. Remark. No. 889,334; June 2; Sp. p. 275; Dr. p. 67; Gaz. vol. 134; p. 1102.
- Tire-armor. H. G. Wheeler. No. 891,578; June 23; Sp. p. 4856; Dr. p. 1047; Gaz. vol. 134; p. 1925.
- Tire-armor. G. Wilmot, Jr. No. 895,821; Aug. 11; Sp. p. 2098; Dr. p. 445; Gaz. vol. 135; p. 1262.
- Tire-armor. W. A. Mix. No. 905,555; Dec. 1; Sp. p. 901; Gaz. vol. 137; p. 1127.
- Tire armor or protector. C. Filler. No. 894,377; July 28; Sp. p. 4187; Dr. p. 864; Gaz. vol. 135; p. 736.
- Tire armor, Pneumatic-. F. Q. Cregier. No. 881,905; Mar. 17; Sp. p. 2835; Dr. p. 606; Gaz. vol. 133; p. 526.
- Tire armor, Rubber-. V. L. Békefi. No. 891,030; June 16; Sp. p. 3745; Dr. p. 817; Gaz. vol. 134; p. 1716.
- Tire attachment. E. Collins. No. 880,195; Feb. 25; Sp. p. 4751; Dr. p. 1006; Gaz. vol. 132; p. 1708.
- Tire, Automobile-. W. Weidling. No. 887,295; May 12; Sp. p. 1956; Dr. p. 411; Gaz. vol. 134; p. 343.

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- Tire, Automobile or vehicle. G. Knadler. No. 897,209; Aug. 25; Sp. p. 4888; Dr. p. 1041; Gaz. vol. 135; p. 1757.
- Tire-bolting machine. J. A. Hensley. No. 891,338; June 23; Sp. p. 4369; Dr. p. 951; Gaz. vol. 134; p. 1847.
- Tire-case. A. H. Kinder. No. 881,411; Mar. 10; Sp. p. 1835; Dr. p. 398; Gaz. vol. 133; p. 336.
- Tire-case. L. G. Cook. No. 889,585; June 2; Sp. p. 788; Dr. p. 179; Gaz. vol. 134; p. 1184.
- Tire casing, Automobile-. C. L. Higgins. No. 889,927; June 9; Sp. p. 1452; Dr. p. 328; Gaz. vol. 134; p. 1319.
- Tire casing, Pneumatic-. C. G. Hawley and E. K. Baker. No. 903,714; Nov. 10; Sp. p. 2358; Gaz. vol. 137; p. 415.
- Tire clamp, Wheel-. C. Newman. No. 879,574; Feb. 18; Sp. p. 3457; Dr. p. 724; Gaz. vol. 132; p. 1472.
- Tire, Concave vehicle-. A. G. Thomson. No. 885,888; Apr. 28; Sp. p. 4559; Dr. p. 956; Gaz. vol. 133; p. 2003.
- Tire construction. W. F. Stearns. No. 877,961; Feb. 4; Sp. p. 131; Dr. p. 29; Gaz. vol. 132; p. 871.
- Tire construction. F. A. Bragg. No. 884,562; Apr. 14; Sp. p. 1809; Dr. p. 388; Gaz. vol. 133; p. 1511.
- Tire-cover. W. A. Allen. (Reissue). No. 12,754; Feb. 25; Sp. p. 5373; Dr. p. 1132; Gaz. vol. 132; p. 1808.
- Tire-cover. F. C. Brock. No. 907,453; Dec. 22; Sp. p. 4561; Gaz. vol. 137; p. 1834.
- Tire-cover and fastening means therefor. I. J. D. Fairhurst. No. 901,602; Oct. 20; Sp. p. 3213; Dr. p. 658; Gaz. vol. 136; p. 1637.
- Tire-cover, Antislipping. I. J. D. Fairhurst. No. 901,528; Oct. 20; Sp. p. 3072; Dr. p. 628; Gaz. vol. 136; p. 1614.
- Tire cover, Pneumatic-. C. A. Brophy. No. 880,274; Feb. 25; Sp. p. 4925; Dr. p. 1042; Gaz. vol. 132; p. 1735.
- Tire cover, Pneumatic-. I. J. D. Fairhurst. No. 901,527; Oct. 20; Sp. p. 3071; Dr. p. 628; Gaz. vol. 136; p. 1613.
- Tire, Cushion-. C. Zeglen. No. 876,616; Jan. 14; Sp. p. 1920; Dr. p. 419; Gaz. vol. 132; p. 342.
- Tire, Cushion-. J. B. Jordan. No. 888,906; May 26; Sp. p. 5226; Dr. p. 1108; Gaz. vol. 134; p. 935.
- Tire, Cushion-. C. L. Rempes. No. 893,655; July 21; Sp. p. 2601; Dr. p. 542; Gaz. vol. 135; p. 477.
- Tire, Cushion-. J. G. Smith. No. 899,139; Sept. 22; Sp. p. 3743; Dr. p. 802; Gaz. vol. 136; p. 705.
- Tire, Cushion-. W. P. and G. B. Everts. No. 903,815; Nov. 10; Sp. p. 2565; Gaz. vol. 137; p. 448.
- Tire-cushion for vehicles. W. E. Garvey. No. 885,336; Apr. 21; Sp. p. 3441; Dr. p. 118; Gaz. vol. 133; p. 1797.
- Tire, Detachable. P. McDermott. No. 887,341; May 12; Sp. p. 2056; Dr. p. 430; Gaz. vol. 134; p. 360.
- Tire, Elastic. M. Brun. No. 877,471; Jan. 21; Sp. p. 3646; Dr. p. 790; Gaz. vol. 132; p. 663.
- Tire, Elastic vehicle-. E. L. Perry. No. 879,312; Feb. 18; Sp. p. 2911; Dr. p. 607; Gaz. vol. 132; p. 1387.
- Tire, Elastic vehicle-. W. Brameld. No. 898,402; Sept. 8; Sp. p. 2331; Dr. p. 495; Gaz. vol. 136; p. 406.
- Tire-fastener. J. D. Maxwell. No. 905,204; Dec. 1; Sp. p. 166; Gaz. vol. 137; p. 1010.
- Tire for road-vehicle wheels, Cushion-. J. Stevens. No. 888,269; May 19; Sp. p. 3873; Dr. pp. 815-16; Gaz. vol. 134; p. 693.
- Tire for the wheels of road-vehicles. J. V. F. A. Yberty and E. B. Mergoux. No. 888,214; May 19; Sp. p. 3772; Dr. p. 792; Gaz. vol. 134; p. 674.
- Tire for vehicle-wheels, Flexible. C. C. Gouin. No. 883,398; Mar. 31; Sp. p. 5819; Dr. p. 1241; Gaz. vol. 133; p. 1076.
- Tire for vehicle-wheels, Pneumatic. R. P. Scott. No. 889,263; June 2; Sp. p. 135; Dr. p. 34; Gaz. vol. 134; p. 1081.
- Tire for vehicle-wheels, Pneumatic. A. Michelin. No. 891,498; June 23; Sp. p. 4639; Dr. p. 1015; Gaz. vol. 134; p. 1900.
- Tire for vehicle-wheels, Pneumatic. J. R. Kline. No. 892,853; July 7; Sp. p. 922; Dr. p. 195; Gaz. vol. 135; p. 154.
- Tire for wheels, Elastic. F. J. Chary. No. 898,832; Sept. 15; Sp. p. 3176; Dr. p. 679; Gaz. vol. 136; p. 577.
- Tire-frame, Flexible. E. D. C. Bayne and L. A. Subers. No. 879,509; Feb. 18; Sp. p. 3322; Dr. p. 694; Gaz. vol. 132; p. 1451.
- Tire-guard. C. R. Saunders and A. B. Breitweg. No. 906,304; Dec. 8; Sp. p. 2333; Gaz. vol. 137; p. 1401.
- Tire holder, Spare-. L. P. McKinney. No. 899,126; Sept. 22; Sp. p. 3714; Dr. p. 796; Gaz. vol. 136; p. 700.
- Tire inflator, Automatic pneumatic-. R. C. Barrie. No. 897,811; Sept. 1; Sp. p. 1159; Dr. p. 247; Gaz. vol. 136; p. 184.
- Tire inflator for automobiles. P. J. Ross. No. 899,620; Sept. 29; Sp. p. 4714; Dr. p. 1009; Gaz. vol. 136; p. 897.
- Tire inflator, Portable. J. W. Radu. No. 877,861; Jan. 28; Sp. p. 4414; Dr. p. 961; Gaz. vol. 132; p. 809.
- Tire-jacket for vehicle-wheels. J. Bowie. No. 902,551; Nov. 3; Sp. p. 28; Gaz. vol. 137; p. 6.
- Tire-manufacturing apparatus, Pneumatic-. T. Sloper. No. 880,587; Mar. 3; Sp. p. 196; Dr. pp. 42-3; Gaz. vol. 133; p. 36.
- Tire, Metallic. W. R. Barbour. No. 898,029; Sept. 8; Sp. p. 1638; Dr. p. 349; Gaz. vol. 136; p. 288.
- Tire, Non-puncturable inner. B. F. Schirmer. No. 880,923; Mar. 3; Sp. p. 889; Dr. p. 192; Gaz. vol. 133; p. 149.
- Tire-plug. R. Sampson. No. 897,932; Sept. 8; Sp. p. 1429; Dr. p. 305; Gaz. vol. 136; p. 256.
- Tire-plugging thimble, Pneumatic-. F. M. Neal. No. 907,273; Dec. 22; Sp. p. 4202; Gaz. vol. 137; p. 1773.
- Tire, Pneumatic. T. B. Tiefenbacher. No. 877,260; Jan. 21; Sp. p. 3258; Dr. p. 705; Gaz. vol. 132; p. 596.
- Tire, Pneumatic. O. Uhlmann. No. 877,970; Feb. 4; Sp. p. 148; Dr. p. 33; Gaz. vol. 132; p. 873.
- Tire, Pneumatic. H. D. B. Lefferts and E. De Camp. No. 878,075; Feb. 4; Sp. p. 371; Dr. p. 77; Gaz. vol. 132; p. 908.
- Tire, Pneumatic. B. F. Schirmer. No. 879,199; Feb. 18; Sp. p. 2689; Dr. p. 561; Gaz. vol. 132; p. 1349.
- Tire, Pneumatic. E. A. Marsh. No. 882,905; Mar. 24; Sp. p. 4812; Dr. p. 1023; Gaz. vol. 133; p. 885.
- Tire, Pneumatic. H. Musculow and W. A. Roberts. No. 888,345; May 19; Sp. p. 4025; Dr. p. 849; Gaz. vol. 134; p. 717.
- Tire, Pneumatic. C. E. Titus. No. 889,039; May 26; Sp. p. 5514; Dr. p. 1172; Gaz. vol. 134; p. 986.
- Tire, Pneumatic. W. C. and L. T. Rocheleau. No. 897,151; Aug. 25; Sp. p. 4794; Dr. p. 1021; Gaz. vol. 135; p. 1741.
- Tire, Pneumatic. W. Drury. No. 898,850; Sept. 15; Sp. p. 3209; Dr. p. 687; Gaz. vol. 136; p. 583.
- Tire, Pneumatic. H. W. Dover. No. 900,498; Oct. 6; Sp. p. 925; Dr. p. 188; Gaz. vol. 136; p. 1213.
- Tire, Pneumatic. A. C. Rudland. No. 900,888; Oct. 13; Sp. p. 1742; Dr. p. 352; Gaz. vol. 136; p. 1367.
- Tire, Pneumatic. F. W. Taylor. No. 901,211; Oct. 13; Sp. p. 2354; Dr. p. 482; Gaz. vol. 136; p. 1471.
- Tire, Pneumatic. C. Scheuner. No. 903,891; Nov. 17; Sp. p. 2745; Gaz. vol. 137; p. 506.
- Tire, Pneumatic. J. L. Coesir. No. 904,409; Nov. 17; Sp. p. 3836; Gaz. vol. 137; p. 682.
- Tire, Pneumatic. L. J. Westness. No. 905,257; Dec. 1; Sp. p. 262; Gaz. vol. 137; p. 1028.
- Tire, Pneumatic. F. Richardson. No. 905,584; Dec. 1; Sp. p. 952; Gaz. vol. 137; p. 1135.
- Tire, Pneumatic vehicle-. M. B. Priest. No. 885,647; Apr. 21; Sp. p. 4064; Dr. p. 849; Gaz. vol. 133; p. 1892.
- Tire-protecting casing. L. N. Kates. No. 884,794; Apr. 14; Sp. p. 2324; Dr. p. 488; Gaz. vol. 133; p. 1589.
- Tire-protecting device. L. H. Kinnard. No. 890,362; June 9; Sp. p. 2368; Dr. p. 522; Gaz. vol. 134; p. 1464.
- Tire-protecting device. G. D. Moore. No. 890,785; June 16; Sp. p. 3248; Dr. p. 710; Gaz. vol. 134; p. 1636.
- Tire-protective rivet. E. B. Stimpson. No. 902,015; Oct. 27; Sp. p. 4086; Dr. p. 829; Gaz. vol. 136; p. 1801.
- Tire-protector. H. M. Bradley. No. 881,768; Mar. 10; Sp. p. 2528; Dr. p. 544; Gaz. vol. 133; p. 451.
- Tire-protector. H. Parsons. No. 885,515; Apr. 21; Sp. p. 3771; Dr. pp. 793-4; Gaz. vol. 133; p. 1852.
- Tire-protector. L. Crise. No. 895,437; Aug. 11; Sp. p. 1328; Dr. p. 279; Gaz. vol. 135; p. 1138.
- Tire-protector. F. G. Crone. No. 902,276; Oct. 27; Sp. p. 4611; Dr. p. 937; Gaz. vol. 136; p. 1885.
- Tire-protector. H. M. Lease. No. 906,437; Dec. 8; Sp. p. 2572; Gaz. vol. 137; p. 1442.
- Tire-protector. W. H. Rice. No. 906,933; Dec. 15; Sp. p. 3512; Gaz. vol. 137; p. 1625.
- Tire-protector holder. F. O. Slanker. No. 894,751; July 28; Sp. p. 4915; Dr. p. 1023; Gaz. vol. 135; p. 857.
- Tire protector, Pneumatic-. R. A. Mason. No. 894,676; July 28; Sp. p. 4789; Dr. pp. 994-5; Gaz. vol. 135; p. 835.
- Tire protector, Pneumatic-. F. L. and C. C. Smith. No. 907,093; Dec. 15; Sp. p. 3788; Gaz. vol. 137; p. 1674.
- Tire protector, Vehicle-. J. E. Robinson. No. 900,785; Oct. 13; Sp. p. 1525; Dr. p. 310; Gaz. vol. 136; p. 1333.
- Tire-protectors, Anchoring and tension device for. S. C. Wolfe. No. 898,714; Sept. 15; Sp. p. 2959; Dr. p. 634; Gaz. vol. 136; p. 538.
- Tire-pump. W. S. Stapley. No. 882,215; Mar. 17; Sp. p. 3457; Dr. p. 735; Gaz. vol. 133; p. 625.
- Tire-pump. J. A. Dyblie. No. 896,902; Aug. 25; Sp. p. 4254; Dr. p. 910; Gaz. vol. 135; p. 1657.
- Tire-pump, Automatic. J. C. Booth. No. 895,838; Aug. 11; Sp. p. 2134; Dr. p. 452; Gaz. vol. 135; p. 1268.
- Tire puncture-closer, Pneumatic-. D. Apstein. No. 906,601; Dec. 15; Sp. p. 2869; Gaz. vol. 137; p. 1520.
- Tire, Reinforced pneumatic. H. D. B. Lefferts. No. 885,062; Apr. 21; Sp. p. 2850; Dr. p. 606; Gaz. vol. 133; p. 1706.
- Tire-remover. F. Hatton. No. 882,386; Mar. 17; Sp. p. 3780; Dr. p. 807; Gaz. vol. 133; p. 682.
- Tire-remover. W. F. Hubbard. No. 903,820; Nov. 10; Sp. p. 2575; Gaz. vol. 137; p. 450.
- Tire, Resilient vehicle-. H. A. Palmer. No. 885,860; Apr. 28; Sp. p. 4512; Dr. p. 947; Gaz. vol. 133; p. 1993.
- Tire-retaining attachments, Locking device for. R. S. Bryant. No. 892,801; July 7; Sp. p. 798; Dr. p. 169; Gaz. vol. 135; p. 137.
- Tire rim, Convertible pneumatic-. E. K. Baker. No. 899,856; Sept. 29; Sp. p. 5217; Dr. p. 1116; Gaz. vol. 136; p. 975.
- Tire-sealing device. G. H. Phillips. No. 884,294; Apr. 7; Sp. p. 1267; Dr. p. 267; Gaz. vol. 133; p. 1395.
- Tire, Sectional. H. O. Craven. No. 902,212; Oct. 27; Sp. p. 4472; Dr. p. 905; Gaz. vol. 136; p. 1864.
- Tire-setter. C. O. Pearce. No. 883,666; Mar. 31; Sp. p. 3663; Dr. p. 1356; Gaz. vol. 133; p. 1160.
- Tire-setter. D. Ballenger. No. 890,752; June 16; Sp. p. 3182; Dr. p. 695; Gaz. vol. 134; p. 1624.
- Tire-setting device, Rubber-. W. W. Edmisten. No. 905,671; Dec. 1; Sp. p. 1104; Gaz. vol. 137; p. 1162.
- Tire-setting machine. M. Smith and G. A. Seyffert. No. 887,973; May 19; Sp. p. 3320; Dr. p. 698; Gaz. vol. 134; p. 598.
- Tire-setting tool. R. Connell. No. 878,354; Feb. 4; Sp. p. 935; Dr. p. 186; Gaz. vol. 132; p. 1000.
- Tire-shield. R. H. Faughnder. No. 892,948; July 7; Sp. p. 1126; Dr. p. 236; Gaz. vol. 135; p. 188.
- Tire shield, Pneumatic-. F. W. Savage. No. 883,572; Mar. 31; Sp. p. 6179; Dr. p. 1314; Gaz. vol. 133; p. 1131.
- Tire-shrinker. W. D. Markham. No. 890,587; June 9; Sp. p. 2801; Dr. p. 617; Gaz. vol. 134; p. 1537.
- Tire, Spring-. T. J. McCarthy. No. 877,856; Jan. 28; Sp. p. 4403; Dr. p. 958; Gaz. vol. 132; p. 807.
- Tire, Spring-. B. Hilger. No. 891,169; June 16; Sp. p. 3990; Dr. p. 876; Gaz. vol. 134; p. 1758.
- Tire, Spring-. D. Craig. No. 907,316; Dec. 22; Sp. p. 4275; Gaz. vol. 137; p. 1788.

Alphabetical list of inventions—Continued.

- Tire, Spring-cushioned. I. Hodgson. No. 876,645; Jan. 14; Sp. p. 1987; Dr. p. 432; Gaz. vol. 132; p. 352.
- Tire, Supplemental detachable vehicle-. H. Yarnell. No. 878,107; Feb. 4; Sp. p. 431; Dr. p. 91; Gaz. vol. 132; p. 918.
- Tire surface or covering. P. C. Hewitt. No. 905,877; Dec. 8; Sp. p. 1512; Gaz. vol. 137; p. 1262.
- Tire-tightener. P. and M. J. Rau. No. 904,993; Nov. 24; Sp. p. 5068; Gaz. vol. 137; p. 903.
- Tire-tightening apparatus. G. R. Macomber. No. 888,628; May 26; Sp. p. 4625; Dr. p. 981; Gaz. vol. 134; p. 844.
- Tire-tool. G. Mohme and A. V. Hadlock. No. 897,841; Sept. 1; Sp. p. 1221; Dr. pp. 260-1; Gaz. vol. 136; p. 194.
- Tire tread-grip, Vehicle-. C. L. Hoff. No. 896,728; Aug. 25; Sp. p. 3573; Dr. p. 838; Gaz. vol. 135; p. 1598.
- Tire tread, Pneumatic-. C. G. Hawley and E. K. Baker. No. 903,715; Nov. 10; Sp. p. 2362; Gaz. vol. 137; p. 415.
- Tire, Tubular metallic spring-. J. K. Parker. No. 878,015; Feb. 4; Sp. p. 241; Dr. p. 55; Gaz. vol. 132; p. 889.
- Tire-upsetter, punch, and shear machine. J. F. Badger. No. 896,508; Aug. 18; Sp. p. 3452; Dr. pp. 742-3; Gaz. vol. 135; p. 1507.
- Tire, Vehicle-. F. A. Seiberling. No. 876,597; Jan. 14; Sp. p. 1872; Dr. p. 409; Gaz. vol. 132; p. 335.
- Tire, Vehicle-. P. E. Doolittle. No. 879,610; Feb. 18; Sp. p. 3554; Dr. p. 743; Gaz. vol. 132; p. 1483.
- Tire, Vehicle-. M. B. Priest. No. 885,646; Apr. 21; Sp. p. 4063; Dr. p. 849; Gaz. vol. 133; p. 1892.
- Tire, Vehicle-. E. B. Cadwell. No. 887,997; May 19; Sp. p. 3372; Dr. p. 708; Gaz. vol. 134; p. 606.
- Tire, Vehicle-. H. A. Knox. No. 888,823; May 26; Sp. p. 5040; Dr. pp. 1075-6; Gaz. vol. 134; p. 906.
- Tire, Vehicle-. E. L. Easlick. No. 890,624; June 16; Sp. p. 2897; Dr. p. 636; Gaz. vol. 134; p. 1582.
- Tire, Vehicle-. J. L. G. Dykes. No. 897,726; Sept. 1; Sp. p. 984; Dr. p. 209; Gaz. vol. 136; p. 158.
- Tire, Vehicle-. R. M. Merriman. No. 899,061; Sept. 22; Sp. p. 3588; Dr. p. 769; Gaz. vol. 136; p. 678.
- Tire, Vehicle-. F. A. Stall, Jr. No. 902,009; Oct. 27; Sp. p. 4075; Dr. p. 827; Gaz. vol. 136; p. 1800.
- Tire, Vehicle-. G. Lambright. No. 902,824; Nov. 3; Sp. p. 574; Gaz. vol. 137; p. 98.
- Tire, Vehicle-. J. A. Swinehart. No. 902,926; Nov. 3; Sp. p. 794; Gaz. vol. 137; p. 131.
- Tire, Vehicle-wheel. J. Jackson. No. 876,191; Jan. 7; Sp. p. 979; Dr. p. 211; Gaz. vol. 132; p. 166.
- Tire, Vehicle-wheel. T. A. Silverwood. No. 881,728; Mar. 10; Sp. p. 2460; Dr. p. 530; Gaz. vol. 133; p. 438.
- Tire, Vehicle-wheel. J. E. Tourtellotte. No. 883,763; Apr. 7; Sp. p. 167; Dr. p. 30; Gaz. vol. 133; p. 1220.
- Tire, Vehicle-wheel. H. H. Moore. No. 887,684; May 12; Sp. p. 2733; Dr. p. 578; Gaz. vol. 134; p. 472.
- Tire, Vehicle-wheel. R. O. Stutsman. No. 893,672; July 21; Sp. p. 2632; Dr. p. 551; Gaz. vol. 135; p. 483.
- Tire, Vehicle-wheel. T. J. Mell. No. 898,907; Sept. 15; Sp. p. 3308; Dr. p. 709; Gaz. vol. 136; p. 601.
- Tire, Vehicle-wheel. E. Kempshall. No. 901,244; Oct. 13; Sp. p. 2411; Dr. p. 494; Gaz. vol. 136; p. 1481.
- Tire, Wheel-. T. J. McCarthy. No. 876,826; Jan. 14; Sp. p. 2306; Dr. pp. 507-8; Gaz. vol. 132; p. 408.
- Tire, Wheel-. J. H. Ryan. No. 879,676; Feb. 18; Sp. p. 3684; Dr. p. 770; Gaz. vol. 132; p. 1505.
- Tire, Wheel-. F. N. Boughn. No. 888,302; May 19; Sp. p. 3941; Dr. p. 830; Gaz. vol. 134; p. 704.
- Tire, Wheel-. A. Michelin. No. 892,673; July 7; Sp. p. 546; Dr. p. 115; Gaz. vol. 135; p. 97.
- Tire, Wheel-. J. S. Cushing. No. 897,880; Sept. 8; Sp. p. 1303; Dr. p. 279; Gaz. vol. 136; p. 238.
- Tire wheel, Elastic-. A. D. Foucart. No. 906,404; Dec. 8; Sp. p. 2503; Gaz. vol. 137; p. 1430.
- Tire-wire-pulling machine. J. A. Barbrake. No. 881,651; Mar. 10; Sp. p. 2318; Dr. pp. 501-2; Gaz. vol. 133; p. 416.
- Tires, Apparatus for inflating automobile-. A. J. E. Daffrin. No. 882,099; Mar. 17; Sp. p. 3240; Dr. p. 689; Gaz. vol. 133; p. 589.
- Tires, Armored cover for the protection of rubber. P. L. D. Rovere. No. 901,300; Oct. 13; Sp. p. 2541; Dr. p. 523; Gaz. vol. 136; p. 1499.
- Tires, Composition for preventing leakage of air through punctures in pneumatic. L. H. Rogers and A. Myers. No. 904,895; Nov. 24; Sp. p. 4881; Gaz. vol. 137; p. 871.
- Tires, Connection for inflating. W. Boyd. No. 902,644; Nov. 3; Sp. p. 223; Gaz. vol. 137; p. 38.
- Tires, Curing or vulcanizing the outer shoes or casings of pneumatic. E. Hopkinson and T. Midgley. No. 901,007; Oct. 13; Sp. p. 1990; Dr. p. 404; Gaz. vol. 136; p. 1407.
- Tires, Detachable rim for vehicle-wheel. E. A. Baker. No. 897,701; Sept. 1; Sp. p. 933; Dr. p. 198; Gaz. vol. 136; p. 150.
- Tires, Device for locating and determining punctures in pneumatic. J. Lenderyou. No. 894,156; July 21; Sp. p. 3695; Dr. p. 767; Gaz. vol. 135; p. 642.
- Tires, &c., Filling for rubber. H. J. John. No. 906,633; Dec. 15; Sp. p. 2935; Gaz. vol. 137; p. 1530.
- Tires, Grip-tread for pneumatic. B. H. Sills. No. 901,654; Oct. 20; Sp. p. 3312; Dr. p. 681; Gaz. vol. 136; p. 1652.
- Tires, Holder for spare. E. H. Stickels. No. 885,655; Apr. 21; Sp. p. 4079; Dr. p. 853; Gaz. vol. 133; p. 1895.
- Tires, Indicating device for use with pneumatic. T. and R. Sloper. No. 902,693; Nov. 3; Sp. p. 318; Gaz. vol. 137; p. 54.
- Tires, Machine for treating metallic. E. L. T. Schaub. No. 902,689; Nov. 3; Sp. p. 303; Gaz. vol. 137; p. 52.
- Tires, Making leather. R. J. Elledge. No. 880,371; Feb. 25; Sp. p. 5094; Dr. p. 1077; Gaz. vol. 132; p. 1766.
- Tires, Making shields or armor for pneumatic. O. A. Hensel. No. 879,768; Feb. 18; Sp. p. 3852; Dr. p. 807; Gaz. vol. 132; p. 1534.
- Tires, Manufacture of rubber. J. T. Gordon. No. 903,707; Nov. 10; Sp. p. 2348; Gaz. vol. 137; p. 412.
- Tires, Means for attaching pneumatic. A. C. Miller. No. 886,835; May 5; Sp. p. 1016; Dr. p. 213; Gaz. vol. 134; p. 166.
- Tires, Means for automatic closing of punctures in pneumatic. J. Lindharth. No. 907,512; Dec. 22; Sp. p. 4663; Gaz. vol. 137; p. 1852.
- Tires of wheels, Protector and non-skidding band for pneumatic. A. T. Hughes. No. 904,435; Nov. 17; Sp. p. 3887; Gaz. vol. 137; p. 691.
- Tires, Pneumatic and other. H. C. Shearman. No. 885,796; Apr. 28; Sp. p. 4374; Dr. pp. 918-19; Gaz. vol. 133; p. 1971.
- Tires, Press for the molding of bicycle and other. W. H. Cox. No. 890,409; June 9; Sp. p. 2450; Dr. p. 541; Gaz. vol. 134; p. 1478.
- Tires, Pressure-indicator for pneumatic. F. O. Wolff. No. 905,778; Dec. 1; Sp. p. 1314; Gaz. vol. 137; p. 1199.
- Tires, Ring of removable mail-covers for pneumatic. S. A. Marazzani. No. 891,557; June 23; Sp. p. 4814; Dr. p. 1039; Gaz. vol. 134; p. 1919.
- Tires, Spring-cushion for automobile-. J. P. Parsons and W. Fleming. No. 881,026; Mar. 3; Sp. p. 1072; Dr. pp. 232-3; Gaz. vol. 133; p. 183.
- Tires, Valve for. J. S. Dunn. No. 886,316; Apr. 28; Sp. p. 5432; Dr. p. 1138; Gaz. vol. 133; p. 2146.
- Tires, Vulcanizer for repairing. C. E. Miller. No. 893,638; July 21; Sp. p. 2569; Dr. p. 535; Gaz. vol. 135; p. 471.
- Tissues or flies and attaching them to boxes, Machine for making. A. Kingsbury. No. 894,959; Aug. 4; Sp. p. 364; Dr. pp. 73-5; Gaz. vol. 135; p. 954.
- Toaster. A. E. Traeger. No. 883,432; Mar. 31; Sp. p. 5901; Dr. p. 1259; Gaz. vol. 133; p. 1088.
- Toaster. N. S. Clark. No. 888,960; May 26; Sp. p. 5332; Dr. p. 1132; Gaz. vol. 134; p. 951.
- Toaster. C. Andrews, Jr. No. 897,513; Sept. 1; Sp. p. 562; Dr. p. 118; Gaz. vol. 136; p. 89.
- Toaster. J. J. Frith. No. 903,852; Nov. 17; Sp. p. 2655; Gaz. vol. 137; p. 492.
- Tobacco box or caddy. A. J. Feild. No. 878,195; Feb. 4; Sp. p. 626; Dr. p. 128; Gaz. vol. 132; p. 948.
- Tobacco-box, Sheet-metal pocket. W. J. Chambers. No. 889,904; June 9; Sp. p. 1403; Dr. p. 319; Gaz. vol. 134; p. 1311.
- Tobacco case and cutter, Pocket. A. B. Hadean. No. 881,920; Mar. 17; Sp. p. 2876; Dr. p. 613; Gaz. vol. 133; p. 531.
- Tobacco case or cabinet. W. J. Simanek. No. 908,344; Dec. 29; Sp. p. 6447; Gaz. vol. 137; p. 2160.
- Tobacco-cutter. A. W. Teasley and M. Van. No. 881,357; Mar. 10; Sp. p. 1725; Dr. p. 372; Gaz. vol. 133; p. 319.
- Tobacco cutter and box. J. H. A. McPhee. No. 888,642; May 26; Sp. p. 4649; Dr. p. 986; Gaz. vol. 134; p. 848.
- Tobacco extract, Manufacture of concentrated. C. F. Gloystein. No. 899,865; Sept. 29; Sp. p. 5232; Dr. p. 1118; Gaz. vol. 136; p. 977.
- Tobacco-hanger. H. M. Lott. No. 882,474; Mar. 17; Sp. p. 3931; Dr. p. 840; Gaz. vol. 133; p. 710.
- Tobacco-lath holder. E. M. Waldref. No. 902,784; Nov. 3; Sp. p. 483; Gaz. vol. 137; p. 84.
- Tobacco-lath holder. L. Anderson. No. 906,847; Dec. 15; Sp. p. 3341; Gaz. vol. 137; p. 1597.
- Tobacco-leaves, Decoloring. L. L. J. Parant and A. P. Pichon. No. 891,001; June 16; Sp. p. 3694; Gaz. vol. 134; p. 1706.
- Tobacco-leaves, Machine for stringing up. O. and A. Graf. No. 881,573; Mar. 10; Sp. p. 2151; Dr. p. 469; Gaz. vol. 133; p. 390.
- Tobacco material, Recovering nicotine from. G. B. Lindenberger and R. B. Arnold. No. 896,124; Aug. 18; Sp. p. 2678; Dr. p. 578; Gaz. vol. 135; p. 1381.
- Tobacco-moistener. J. P. Gates. No. 881,790; Mar. 10; Sp. p. 2570; Dr. p. 551; Gaz. vol. 133; p. 458.
- Tobacco-moistener. J. F. Leeper. No. 883,740; July 21; Sp. p. 2848; Dr. p. 585; Gaz. vol. 133; p. 506.
- Tobacco-package. J. W. Surbrug. No. 890,196; June 9; Sp. p. 2012; Dr. p. 443; Gaz. vol. 134; p. 1411.
- Tobacco-pipe. A. A. Furness. No. 877,071; Jan. 21; Sp. p. 2853; Dr. p. 616; Gaz. vol. 132; p. 532.
- Tobacco-pipe. S. E. West. No. 877,536; Jan. 28; Sp. p. 3798; Dr. p. 822; Gaz. vol. 132; p. 706.
- Tobacco-pipe. M. Jeantet. No. 877,777; Jan. 28; Sp. p. 4262; Dr. p. 925; Gaz. vol. 132; p. 783.
- Tobacco-pipe. W. H. Plane. No. 879,796; Feb. 18; Sp. p. 3902; Dr. p. 818; Gaz. vol. 132; p. 1543.
- Tobacco-pipe. W. H. Hooker. No. 883,954; Apr. 7; Sp. p. 581; Dr. p. 116; Gaz. vol. 133; p. 1284.
- Tobacco-pipe. R. D. Gates. No. 887,323; May 12; Sp. p. 2023; Dr. p. 423; Gaz. vol. 134; p. 354.
- Tobacco-pipe. F. F. Austin. No. 890,751; June 16; Sp. p. 3181; Dr. p. 695; Gaz. vol. 134; p. 1624.
- Tobacco-pipe. J. Yoakum. No. 892,793; July 7; Sp. p. 788; Dr. p. 166; Gaz. vol. 135; p. 135.
- Tobacco-pipe. H. Wewerka. No. 893,044; July 14; Sp. p. 1341; Dr. p. 283; Gaz. vol. 135; p. 248.
- Tobacco-pipe. D. Bruce. No. 894,480; July 28; Sp. p. 4397; Dr. p. 907; Gaz. vol. 135; p. 771.
- Tobacco-pipe. D. Bruce. No. 894,481; July 28; Sp. p. 4398; Dr. p. 907; Gaz. vol. 135; p. 771.
- Tobacco-pipe. F. Geltz. No. 895,626; Aug. 11; Sp. p. 1701; Dr. p. 361; Gaz. vol. 135; p. 1199.
- Tobacco-pipe. E. Grindel. No. 898,877; Sept. 15; Sp. p. 3257; Dr. p. 697; Gaz. vol. 136; p. 592.
- Tobacco-pipe. W. E. Elam. No. 903,277; Nov. 10; Sp. p. 1488; Gaz. vol. 137; p. 275.
- Tobacco-pipe. J. Monson. No. 904,633; Nov. 24; Sp. p. 4309; Gaz. vol. 137; p. 784.

- Tobacco-pipe. A. Labarre. No. 905,715; Dec. 1; Sp. p. 1185; Gaz. vol. 137; p. 1176.
 Tobacco-pipe. A. J. Madlem. No. 906,145; Dec. 8; Sp. p. 2025; Gaz. vol. 137; p. 1346.
 Tobacco-pipe cleaner. A. B. Wallen. No. 884,057; Apr. 7; Sp. p. 782; Dr. p. 163; Gaz. vol. 133; p. 1318.
 Tobacco-pipe cleaner. D. Lossius. No. 899,418; Sept. 22; Sp. p. 4277; Dr. p. 918; Gaz. vol. 136; p. 793.
 Tobacco-pipes and the like, Apparatus for cleaning. A. Marr. No. 902,752; Nov. 3; Sp. p. 431; Gaz. vol. 137; p. 75.
 Tobacco-press. E. Johnson. No. 904,439; Nov. 17; Sp. p. 3894; Gaz. vol. 137; p. 692.
 Tobacco product and manufacturing the same. K. E. Rogers. No. 888,743; May 26; Sp. p. 4842; Gaz. vol. 134; p. 879.
 Tobacco-receptacle. J. J. Meade. No. 906,644; Dec. 15; Sp. p. 2951; Gaz. vol. 137; p. 1533.
 Tobacco-reservoir and cigarette-filler, Combined. H. D. Bonnell. No. 879,851; Feb. 25; Sp. p. 4045; Dr. p. 847; Gaz. vol. 132; p. 1595.
 Tobacco-spearing machine. A. Hovey. No. 875,998; Jan. 7; Sp. p. 605; Dr. pp. 129-30; Gaz. vol. 132; p. 106.
 Tobacco-stemming device. J. A. Bell. No. 901,224; Oct. 13; Sp. p. 2373; Dr. p. 485; Gaz. vol. 136; p. 1474.
 Tobacco-stemming machine. C. H. and H. E. B. Andrew. No. 880,616; Mar. 3; Sp. p. 259; Dr. p. 54; Gaz. vol. 133; p. 45.
 Tobacco-stemming machine. J. T. Carter. No. 883,622; Mar. 31; Sp. p. 6264; Dr. p. 1336; Gaz. vol. 133; p. 1147.
 Tobacco-stemming machine. J. O. Morris. No. 888,835; May 26; Sp. p. 5066; Dr. pp. 1080-2; Gaz. vol. 134; p. 909.
 Tobacco-stemming machine. A. Grodsky. No. 901,000; Oct. 13; Sp. p. 1976; Dr. p. 402; Gaz. vol. 136; p. 1405.
 Tobacco-stick. J. H. Grogan. No. 893,841; July 21; Sp. p. 3063; Dr. p. 625; Gaz. vol. 135; p. 540.
 Tobacco-stripper. T. P. Ford. No. 904,770; Nov. 24; Sp. p. 4608; Gaz. vol. 137; p. 829.
 Tobacco substitute, Masticable. C. Ellis. No. 904,521; Nov. 24; Sp. p. 4091; Gaz. vol. 137; p. 746.
 Tobacco, Treatment of. A. C. and G. Q. Bedortha. No. 877,697; Jan. 28; Sp. p. 4120; Dr. p. 892; Gaz. vol. 132; p. 757.
 Tobacco, Treatment of. A. C. and G. Q. Bedortha. No. 877,698; Jan. 28; Sp. p. 4121; Dr. p. 892; Gaz. vol. 132; p. 758.
 Tobacco-wrapper receptacle. E. C. Brockmann. No. 877,700; Jan. 28; Sp. p. 4124; Dr. p. 893; Gaz. vol. 132; p. 758.
 Toe-nails, Device for curing ingrowing. C. J. Foster. No. 884,376; Apr. 14; Sp. p. 1443; Dr. p. 308; Gaz. vol. 133; p. 1451.
 Toe-plate. F. Brittan. No. 895,840; Aug. 11; Sp. p. 2138; Dr. p. 454; Gaz. vol. 135; p. 1268.
 Toe-stretcher. G. Spenzel. No. 907,536; Dec. 22; Sp. p. 4705; Gaz. vol. 137; p. 1860.
 Toe-weight. M. Norton. No. 882,837; Mar. 24; Sp. p. 4664; Dr. p. 992; Gaz. vol. 133; p. 863.
 Toilet article. J. A. Wanous. No. 893,117; July 14; Sp. p. 1480; Dr. p. 312; Gaz. vol. 135; p. 272.
 Toilet article. M. McInnemy. No. 900,872; Oct. 13; Sp. p. 1709; Dr. p. 346; Gaz. vol. 136; p. 1362.
 Toilet-case, Pocket. J. B. Gamber. No. 892,246; June 30; Sp. p. 6200; Dr. p. 1336; Gaz. vol. 134; p. 2178.
 Toilet-comb. W. S. Warren. No. 883,598; Mar. 31; Sp. p. 6219; Dr. p. 1326; Gaz. vol. 133; p. 1138.
 Toilet-comb. E. G. Langton. No. 893,332; July 14; Sp. p. 1898; Dr. p. 397; Gaz. vol. 135; p. 341.
 Toilet-seat, Sanitary. J. A. Kleine. No. 888,821; May 26; Sp. p. 5038; Dr. p. 1075; Gaz. vol. 134; p. 905.
 Toilet vessel. J. H. Freeman. No. 878,625; Feb. 11; Sp. p. 1587; Dr. p. 322; Gaz. vol. 132; p. 1125.
 Token-holder. R. N. Simpson. No. 888,539; May 26; Sp. p. 4415; Dr. p. 937; Gaz. vol. 134; p. 811.
 Toll-collecting box. G. A. Long. No. 894,388; July 28; Sp. p. 4210; Dr. pp. 868-9; Gaz. vol. 135; p. 740.
 Tomb or burial-vault. T. J. Moore. No. 908,305; Dec. 29; Sp. p. 6360; Gaz. vol. 137; p. 2145.
 Tombstone. E. T. Morris. No. 883,733; Apr. 7; Sp. p. 107; Dr. p. 18; Gaz. vol. 133; p. 1210.
 Tong. W. E. Werd. No. 877,389; Jan. 21; Sp. p. 3492; Dr. p. 758; Gaz. vol. 132; p. 636.
 Tong. J. Veno. No. 887,552; May 12; Sp. p. 2489; Dr. p. 526; Gaz. vol. 134; p. 429.
 Tong. C. E. Hansen. No. 891,061; June 16; Sp. p. 3806; Dr. p. 831; Gaz. vol. 134; p. 1726.
 Tong. Blacksmith and machinist. D. N. Tanner. No. 891,509; June 23; Sp. p. 4710; Dr. p. 1020; Gaz. vol. 134; p. 1904.
 Tong. Carrier. W. E. Sandford. No. 876,661; Jan. 14; Sp. p. 2018; Dr. p. 440; Gaz. vol. 132; p. 358.
 Tong. Casing-. J. W. Brackney. No. 879,809; Feb. 18; Sp. p. 3926; Dr. p. 823; Gaz. vol. 132; p. 1548.
 Tong. Crushing-. M. B. Pickett. No. 886,401; May 5; Sp. p. 120; Dr. p. 23; Gaz. vol. 134; p. 25.
 Tong. for fixing eyes and hooks. E. H. T. Strömback. No. 894,470; July 28; Sp. p. 4378; Dr. p. 904; Gaz. vol. 135; p. 767.
 Tong. Grappling-. T. T. Shaw. No. 897,163; Aug. 25; Sp. p. 4813; Dr. p. 1024; Gaz. vol. 135; p. 1744.
 Tong. Grappling-. P. Holmberg. No. 900,735; Oct. 13; Sp. p. 1421; Dr. p. 288; Gaz. vol. 136; p. 1318.
 Tong. Pipe and rod lifting. O. Wilson. No. 889,078; May 26; Sp. p. 5526; Dr. p. 1175; Gaz. vol. 134; p. 988.
 Tong. Plow-. E. L. Thomas. No. 892,774; July 7; Sp. p. 751; Dr. p. 158; Gaz. vol. 135; p. 129.
 Tong. Rail-. J. E. Collins. No. 894,259; July 28; Sp. p. 3950; Dr. p. 814; Gaz. vol. 135; p. 697.
 Tongue, Adjustable wagon-. H. J. Lawrence. No. 892,746; July 7; Sp. p. 701; Dr. p. 148; Gaz. vol. 135; p. 121.
 Tongue attachment, Vehicle-. C. D. Williams. No. 894,867; Aug. 4; Sp. p. 128; Dr. p. 28; Gaz. vol. 135; p. 922.
 Tongue, Buggy-. T. R. Broyles. No. 897,582; Sept. 1; Sp. p. 701; Dr. p. 147; Gaz. vol. 136; p. 111.
 Tongue, Jointed. T. Ottason. No. 876,082; Jan. 7; Sp. p. 779; Dr. p. 166; Gaz. vol. 132; p. 132.
 Tongue-plate. E. M. Winslow. No. 890,481; June 9; Sp. p. 2579; Dr. p. 570; Gaz. vol. 134; p. 1501.
 Tongue-support. N. Kessler. No. 895,185; Aug. 4; Sp. p. 815; Dr. pp. 170-1; Gaz. vol. 135; p. 1030.
 Tongue-support. D. Lippy. No. 904,270; Nov. 17; Sp. p. 3550; Gaz. vol. 137; p. 635.
 Tongue-support. C. Coppock. No. 905,658; Dec. 1; Sp. p. 1088; Gaz. vol. 137; p. 1158.
 Tongue support, Vehicle-. G. F. Bell. No. 880,776; Mar. 3; Sp. p. 581; Dr. p. 123; Gaz. vol. 133; p. 100.
 Tongue support, Vehicle-. N. F. Bennett. No. 897,957; Sept. 8; Sp. p. 1488; Dr. p. 317; Gaz. vol. 136; p. 265.
 Tongue support, Wagon-. W. A. and W. T. Walker. No. 892,696; July 7; Sp. p. 590; Dr. p. 127; Gaz. vol. 135; p. 104.
 Tongue support, Wagon-. H. P. Huddleston. No. 894,324; July 28; Sp. p. 4083; Dr. p. 843; Gaz. vol. 135; p. 719.
 Tongue supporter, Wagon-. F. Abrams and W. A. Doyle. No. 876,760; Jan. 14; Sp. p. 2187; Dr. p. 480; Gaz. vol. 132; p. 388.
 Tongue supporting and locking means. M. Meyer and T. Kenne. No. 902,100; Oct. 27; Sp. p. 4247; Dr. p. 860; Gaz. vol. 136; p. 1828.
 Tongue-switch. V. Angerer. No. 881,043; Mar. 3; Sp. p. 1100; Dr. p. 238; Gaz. vol. 133; p. 183.
 Tongue-switch. C. A. Alden. No. 890,323; June 9; Sp. p. 2298; Dr. p. 507; Gaz. vol. 134; p. 1452.
 Tongue, Vehicle-. A. M. Warner. No. 876,610; Jan. 14; Sp. p. 1906; Dr. p. 415; Gaz. vol. 132; p. 340.
 Tongue, Vehicle-. C. D. Wright. No. 901,054; Oct. 13; Sp. p. 2073; Dr. p. 422; Gaz. vol. 136; p. 1421.
 Tonsilotomy. R. H. Rice. No. 907,990; Dec. 15; Sp. p. 3784; Gaz. vol. 137; p. 1673.
 Tool. R. Wolfrey. No. 877,153; Jan. 21; Sp. p. 3029; Dr. p. 656; Gaz. vol. 132; p. 560.
 Tool. J. L. Janeway. No. 888,710; May 26; Sp. p. 4791; Dr. p. 1020; Gaz. vol. 134; p. 870.
 Tool. H. E. Pastorius. No. 895,890; Aug. 11; Sp. p. 2230; Dr. p. 476; Gaz. vol. 135; p. 1284.
 Tool. F. E. Gordon. No. 905,511; Dec. 1; Sp. p. 818; Gaz. vol. 137; p. 1113.
 Tool and punch, Belt. G. G. Jones. No. 903,985; Nov. 17; Sp. p. 2944; Gaz. vol. 137; p. 537.
 Tool arbor, Shell. E. C. Peck. No. 906,656; Dec. 15; Sp. p. 2972; Gaz. vol. 137; p. 1556.
 Tool-box. J. Swan. No. 883,906; Apr. 7; Sp. p. 479; Dr. p. 94; Gaz. vol. 133; p. 1268.
 Tool-case, Hand. C. Madeira. No. 904,545; Nov. 24; Sp. p. 4138; Gaz. vol. 137; p. 754.
 Tool, Centering-. J. A. Petta. No. 908,324; Dec. 29; Sp. p. 6407; Gaz. vol. 137; p. 2152.
 Tool-chest. C. Carl. No. 903,668; Nov. 10; Sp. p. 2278; Gaz. vol. 137; p. 401.
 Tool-chest handle. T. H. Furman. No. 888,079; May 19; Sp. p. 3519; Dr. p. 735; Gaz. vol. 134; p. 631.
 Tool, Combination-. E. E. Mullinix. No. 875,724; Jan. 7; Sp. p. 88; Dr. p. 18; Gaz. vol. 132; p. 19.
 Tool, Combination-. J. J. Albrecht. No. 876,675; Jan. 14; Sp. p. 2038; Dr. p. 444; Gaz. vol. 132; p. 362.
 Tool, Combination-. J. M. Wallace. No. 876,919; Jan. 14; Sp. p. 2502; Dr. p. 540; Gaz. vol. 132; p. 440.
 Tool, Combination-. H. D. Hoak. No. 876,963; Jan. 21; Sp. p. 2626; Dr. p. 570; Gaz. vol. 132; p. 495.
 Tool, Combination-. E. B. Dikeman. No. 878,049; Feb. 4; Sp. p. 324; Dr. pp. 67-8; Gaz. vol. 132; p. 900.
 Tool, Combination-. J. E. Sparks. No. 884,229; Apr. 7; Sp. p. 1154; Dr. p. 243; Gaz. vol. 133; p. 1374.
 Tool, Combination-. A. Olson. No. 885,076; Apr. 21; Sp. p. 2872; Dr. p. 609; Gaz. vol. 133; p. 1709.
 Tool, Combination-. L. Myers. No. 885,363; Apr. 21; Sp. p. 3503; Dr. p. 731; Gaz. vol. 133; p. 1806.
 Tool, Combination-. J. M. Kiehle. No. 886,987; May 5; Sp. p. 1285; Dr. p. 271; Gaz. vol. 134; p. 214.
 Tool, Combination-. C. C. Fields. No. 888,795; May 26; Sp. p. 4977; Dr. p. 1062; Gaz. vol. 134; p. 897.
 Tool, Combination-. W. S. Burris. No. 890,258; June 9; Sp. p. 2139; Dr. p. 469; Gaz. vol. 134; p. 1430.
 Tool, Combination-. J. P. Shaw. No. 891,107; June 16; Sp. p. 3576; Dr. p. 847; Gaz. vol. 134; p. 1739.
 Tool, Combination-. E. Sutherland. No. 893,556; July 14; Sp. p. 2378; Dr. p. 498; Gaz. vol. 135; p. 414.
 Tool, Combination-. R. T. Bond. No. 893,602; July 21; Sp. p. 2491; Dr. p. 519; Gaz. vol. 135; p. 450.
 Tool, Combination-. W. Jones. No. 896,117; Aug. 18; Sp. p. 2669; Dr. p. 576; Gaz. vol. 135; p. 1379.
 Tool, Combination-. C. W. Reynolds. No. 896,577; Aug. 18; Sp. p. 3578; Dr. p. 770; Gaz. vol. 135; p. 1528.
 Tool, Combination-. W. B. McCarty. No. 896,746; Aug. 25; Sp. p. 3923; Dr. pp. 845-6; Gaz. vol. 135; p. 1604.
 Tool, Combination-. J. O. Korpi. No. 897,293; Sept. 1; Sp. p. 49; Dr. p. 12; Gaz. vol. 136; p. 11.
 Tool, Combination-. J. I. Melton. No. 898,667; Sept. 15; Sp. p. 2874; Dr. p. 615; Gaz. vol. 136; p. 524.
 Tool, Combination-. M. F. Davitt and L. J. Fenner. No. 898,839; Sept. 15; Sp. p. 3187; Dr. p. 681; Gaz. vol. 136; p. 579.
 Tool, Combination-. O. Blakeley. No. 899,287; Sept. 22; Sp. p. 4055; Dr. p. 867; Gaz. vol. 136; p. 752.
 Tool, Combination-. D. Barnes and C. W. Hunt. No. 900,144; Oct. 6; Sp. p. 150; Dr. p. 31; Gaz. vol. 136; p. 1097.
 Tool, Combination-. A. Fenn. No. 902,868; Nov. 3; Sp. p. 685; Gaz. vol. 137; p. 114.
 Tool, Combination-. I. N. Tower. No. 905,248; Dec. 1; Sp. p. 247; Gaz. vol. 137; p. 1026.

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- Tool, Combination-. N. Townsend. No. 905,249; Dec. 1; Sp. p. 248; Gaz. vol. 137; p. 1026.
Tool, Combination-. W. Wrightsman. No. 906,180; Dec. 8; Sp. p. 2093; Gaz. vol. 137; p. 1359.
Tool, Compound. N. McAslan. (Reissue). No. 12,773; Mar. 31; Sp. p. 6401; Dr. p. 1365; Gaz. vol. 133; p. 1167.
Tool, Compound. W. H. Grasser. No. 886,202; Apr. 28; Sp. p. 5196; Dr. p. 1094; Gaz. vol. 133; p. 2105.
Tool, Compound. W. L. Marble. No. 890,150; June 9; Sp. p. 1916; Dr. p. 423; Gaz. vol. 134; p. 1395.
Tool controlling mechanism, Pneumatic-. C. H. Sergeant. No. 886,257; Apr. 28; Sp. p. 5296; Dr. p. 1115; Gaz. vol. 133; p. 2124.
Tool, Cutting-. J. A. Hess. No. 905,876; Dec. 8; Sp. p. 1512; Gaz. vol. 137; p. 1262.
Tool, Electric-driven. A. F. Carver. No. 886,678; May 5; Sp. p. 677; Dr. p. 140; Gaz. vol. 134; p. 115.
Tool-feeding mechanism. A. L. De Leeuw. No. 892,387; June 30; Sp. p. 6468; Dr. p. 1395; Gaz. vol. 134; p. 2223.
Tool, Flexibly-supported. T. Nichols. No. 881,865; Mar. 10; Sp. p. 2739; Dr. p. 587; Gaz. vol. 133; p. 484.
Tool, Fluid-pressure-engine-operated. G. H. Gilman. No. 902,283; Oct. 27; Sp. p. 4631; Dr. p. 941; Gaz. vol. 136; p. 1889.
Tool, Fluid-pressure-operated. C. H. Johnson. No. 837,095; May 12; Sp. p. 1514; Dr. p. 321; Gaz. vol. 134; p. 278.
Tool, Garden-. A. Jackson. No. 908,266; Dec. 29; Sp. p. 6283; Gaz. vol. 137; p. 2132.
Tool, Graining-. F. M. Clapp. No. 907,739; Dec. 29; Sp. p. 5177; Gaz. vol. 137; p. 1956.
Tool-guiding device. H. Y. Everett. No. 884,374; Apr. 14; Sp. p. 1441; Dr. p. 307; Gaz. vol. 133; p. 1451.
Tool, Hand-. G. E. Wood. No. 894,303; July 28; Sp. p. 4043; Dr. p. 835; Gaz. vol. 135; p. 712.
Tool-handle. C. W. Layton. No. 894,155; July 21; Sp. p. 3694; Dr. p. 767; Gaz. vol. 135; p. 642.
Tool-handle. R. H. Smith. No. 895,903; Aug. 11; Sp. p. 2250; Dr. p. 480; Gaz. vol. 135; p. 1288.
Tool-handle. E. L. Latimer. No. 896,121; Aug. 18; Sp. p. 2674; Dr. p. 577; Gaz. vol. 135; p. 1380.
Tool-handle. W. B. Woodruff. No. 900,339; Oct. 6; Sp. p. 562; Dr. p. 117; Gaz. vol. 136; p. 1161.
Tool-handle, Adjustable. A. S. Cunningham and E. Henley. No. 884,133; Apr. 7; Sp. p. 986; Dr. p. 205; Gaz. vol. 133; p. 1343.
Tool-handle, Detachable. H. F. Pocan. No. 904,012; Nov. 17; Sp. p. 2998; Gaz. vol. 137; p. 547.
Tool-handle wedge. J. W. Hair. No. 905,069; Nov. 24; Sp. p. 5202; Gaz. vol. 137; p. 929.
Tool-handles, Coupling member for. W. E. Smith. No. 883,499; Mar. 31; Sp. p. 6034; Dr. p. 1288; Gaz. vol. 133; p. 1111.
Tool-holder. P. H. Robinson. No. 878,672; Feb. 11; Sp. p. 1665; Dr. p. 343; Gaz. vol. 132; p. 1140.
Tool-holder. W. F. Tracy. No. 879,220; Feb. 18; Sp. p. 2725; Dr. p. 568; Gaz. vol. 132; p. 1356.
Tool-holder. G. R. Lang. No. 885,058; Apr. 21; Sp. p. 2844; Dr. p. 605; Gaz. vol. 133; p. 1704.
Tool-holder. E. B. Sellow. No. 893,942; July 21; Sp. p. 3252; Dr. p. 670; Gaz. vol. 135; p. 571.
Tool-holder. G. E. Greenleaf and D. H. Teas. No. 902,652; Nov. 3; Sp. p. 238; Gaz. vol. 137; p. 40.
Tool-holder. L. Boley. No. 903,048; Nov. 3; Sp. p. 1041; Gaz. vol. 137; p. 170.
Tool-holder. J. Prince. No. 903,501; Nov. 10; Sp. p. 1933; Gaz. vol. 137; p. 348.
Tool-holder. C. E. Bown. No. 904,504; Nov. 24; Sp. p. 4058; Gaz. vol. 137; p. 740.
Tool-holder. H. Vogel. No. 904,579; Nov. 24; Sp. p. 4207; Gaz. vol. 137; p. 766.
Tool-holder. F. E. E. Marble and C. A. Hammar. No. 905,898; Dec. 8; Sp. p. 1554; Gaz. vol. 137; p. 1268.
Tool-holder. M. W. Murray. No. 906,263; Dec. 8; Sp. p. 2256; Gaz. vol. 137; p. 1387.
Tool holder and tools, Self-tightening bushing-. E. S. Costa. No. 878,776; Feb. 11; Sp. p. 1870; Dr. p. 386; Gaz. vol. 132; p. 1174.
Tool holder, Multiple-. F. J. Brewer. No. 890,838; June 16; Sp. p. 3344; Dr. p. 733; Gaz. vol. 134; p. 1652.
Tool-holder, Turret. F. E. Bocorselski. No. 897,576; Sept. 1; Sp. p. 691; Dr. p. 145; Gaz. vol. 136; p. 109.
Tool, Impact-. C. B. Richards. No. 904,724; Nov. 24; Sp. p. 4503; Gaz. vol. 137; p. 814.
Tool, Impact-. C. B. Richards. No. 904,725; Nov. 24; Sp. p. 4507; Gaz. vol. 137; p. 815.
Tool, Impact-. C. B. Richards. No. 904,726; Nov. 24; Sp. p. 4509; Gaz. vol. 137; p. 815.
Tool-locking mechanism, Machine-. A. L. De Leeuw. No. 889,768; June 2; Sp. p. 1128; Dr. p. 262; Gaz. vol. 134; p. 1241.
Tool-operating machine. G. P. Thomas. No. 886,551; May 5; Sp. p. 408; Dr. pp. 87-8; Gaz. vol. 134; p. 75.
Tool-operating mechanism, Machine-. S. H. Bullard. No. 890,211; June 9; Sp. p. 2035; Dr. pp. 448-9; Gaz. vol. 134; p. 1415.
Tool, Percussively-driven. D. L. Mason. No. 875,940; Jan. 7; Sp. p. 483; Dr. p. 104; Gaz. vol. 132; p. 87.
Tool, Pneumatic. G. D. Marcy. No. 878,548; Feb. 11; Sp. p. 1392; Dr. p. 286; Gaz. vol. 132; p. 1098.
Tool, Pneumatic. C. B. Albree. No. 884,971; Apr. 14; Sp. p. 2661; Dr. pp. 565-6; Gaz. vol. 133; p. 1043.
Tool, Pneumatic. H. M. Dunlap. No. 885,985; Apr. 28; Sp. p. 4783; Dr. p. 1005; Gaz. vol. 133; p. 2036.
Tool, Pneumatic. H. A. Brockway. No. 893,138; July 14; Sp. p. 1527; Dr. pp. 322-3; Gaz. vol. 135; p. 279.
Tool, Pneumatic. T. Donohoe. No. 895,349; Aug. 4; Sp. p. 1148; Dr. p. 241; Gaz. vol. 135; p. 1086.
Tool, Pneumatic. W. H. Keller. No. 897,107; Aug. 25; Sp. p. 4704; Dr. pp. 1002-3; Gaz. vol. 135; p. 1726.
Tool, Pneumatic impact-. G. L. Badger. No. 893,296; July 14; Sp. p. 1830; Dr. p. 384; Gaz. vol. 135; p. 330.
Tool, Pneumatic impact-. G. L. Badger. No. 904,827; Nov. 24; Sp. p. 4727; Gaz. vol. 137; p. 850.
Tool, Pocket-. A. F. Meisselbach and P. Catucci. No. 878,224; Feb. 4; Sp. p. 678; Dr. p. 140; Gaz. vol. 132; p. 956.
Tool-points, Means for attaching. E. E. Hendershot and G. Appgar. No. 895,370; Aug. 4; Sp. p. 1186; Dr. p. 249; Gaz. vol. 135; p. 1092.
Tool, Portable grooving, slotting, and cutting. H. Koester. No. 906,724; Dec. 15; Sp. p. 3107; Gaz. vol. 137; p. 1559.
Tool-post. H. P. Wilhelm and E. Vero. No. 880,948; Mar. 3; Sp. p. 925; Dr. p. 200; Gaz. vol. 133; p. 156.
Tool, Precision-. C. P. O'Neill. No. 904,007; Nov. 17; Sp. p. 2986; Gaz. vol. 137; p. 545.
Tool, Punching-. T. McGrath. No. 904,714; Nov. 24; Sp. p. 4478; Gaz. vol. 137; p. 811.
Tool, Repair-. W. L. Dinsmoor. No. 877,306; Jan. 21; Sp. p. 3344; Dr. p. 725; Gaz. vol. 132; p. 610.
Tool rest, Adjustable. A. M. McLeran. No. 894,338; July 28; Sp. p. 4109; Dr. p. 848; Gaz. vol. 135; p. 724.
Tool rest, Turret-. L. H. Vold and J. Burt. No. 887,985; May 19; Sp. p. 3349; Dr. p. 703; Gaz. vol. 134; p. 602.
Tool-retainer, Pneumatic. E. J. Shoffner. No. 885,537; Apr. 21; Sp. p. 3848; Dr. p. 804; Gaz. vol. 133; p. 1859.
Tool, Spring-. W. Avery. No. 895,611; Aug. 11; Sp. p. 1669; Dr. p. 352; Gaz. vol. 135; p. 1194.
Tool, Staking-. F. R. Cunningham. No. 904,847; Nov. 24; Sp. p. 4772; Gaz. vol. 137; p. 856.
Tool-stand. R. McCarty and W. S. Giele. No. 892,002; June 30; Sp. p. 5742; Dr. p. 1235; Gaz. vol. 134; p. 2098.
Tool, Stone-working. L. W. Greve and C. B. Richards. No. 904,692; Nov. 24; Sp. p. 4436; Gaz. vol. 137; p. 804.
Tool-support, Adjustable. F. H. Richards. No. 902,169; Oct. 27; Sp. p. 4390; Dr. p. 889; Gaz. vol. 136; p. 1850.
Tool, Thread-intercutting. J. Vidina. No. 907,921; Dec. 29; Sp. p. 5546; Gaz. vol. 137; p. 2015.
Tool, Watchmaker's. R. Caplan. No. 902,939; Nov. 3; Sp. p. 820; Gaz. vol. 137; p. 136.
Tool water-spraying device, Pneumatic-. A. H. Taylor. No. 905,387; Dec. 1; Sp. p. 514; Gaz. vol. 137; p. 1071.
Tool water-spraying device, Pneumatic-. A. H. Taylor. No. 905,388; Dec. 1; Sp. p. 515; Gaz. vol. 137; p. 1072.
Tool-wrench, Combination. A. Partin. No. 881,713; Mar. 10; Sp. p. 2438; Dr. p. 524; Gaz. vol. 133; p. 434.
Tools, Brace attachment for fluid-pressure-operated. W. Prellwitz. No. 898,679; Sept. 15; Sp. p. 2902; Dr. p. 621; Gaz. vol. 136; p. 528.
Tools, Mechanism for controlling the actions of. W. G. Bungeoth. No. 895,722; Aug. 11; Sp. p. 1892; Dr. p. 401; Gaz. vol. 135; p. 1231.
Tools, Overhead suspending mechanism for motor-driven. C. T. and E. E. Wilt. No. 880,059; Feb. 25; Sp. p. 4493; Dr. p. 944; Gaz. vol. 132; p. 1663.
Tooth, Artificial. H. E. S. Chayes. No. 885,018; Apr. 21; Sp. p. 2755; Dr. p. 584; Gaz. vol. 133; p. 1692.
Tooth, Artificial. L. and H. Bernstein. No. 887,577; May 12; Sp. p. 2534; Dr. p. 534; Gaz. vol. 134; p. 437.
Tooth, Artificial. T. Flintoff. No. 893,617; July 21; Sp. p. 2523; Dr. p. 526; Gaz. vol. 135; p. 465.
Tooth, Artificial. J. A. Van Vleck. No. 903,343; Nov. 10; Sp. p. 1616; Gaz. vol. 137; p. 296.
Tooth, Artificial. F. D. Case. No. 904,601; Nov. 24; Sp. p. 4242; Gaz. vol. 137; p. 773.
Tooth, Artificial. L. E. Eyslin. No. 907,326; Dec. 22; Sp. p. 4293; Gaz. vol. 137; p. 1791.
Tooth, Artificial. E. H. Ballou. No. 907,949; Dec. 29; Sp. p. 5614; Gaz. vol. 137; p. 2024.
Tooth-cement, Production of. F. Schoenbeck. No. 897,160; Aug. 25; Sp. p. 4807; Gaz. vol. 135; p. 1743.
Tool-cleaner. E. E. Sulzer. No. 902,122; Oct. 27; Sp. p. 4292; Dr. p. 870; Gaz. vol. 136; p. 1835.
Tool-cleaning device. C. P. Schultz. No. 899,626; Sept. 29; Sp. p. 4734; Dr. p. 1013; Gaz. vol. 136; p. 899.
Tooth-crown. T. A. Davis. No. 876,043; Jan. 7; Sp. p. 689; Dr. p. 148; Gaz. vol. 132; p. 119.
Tooth-crown and securing means therefor, Artificial. E. M. Fredericks. No. 900,363; Oct. 6; Sp. p. 605; Dr. p. 125; Gaz. vol. 136; p. 1168.
Tooth crown or plate and swaging device therefor. P. B. McCullough. No. 906,911; Dec. 15; Sp. p. 3469; Gaz. vol. 137; p. 1619.
Tooth mount, Artificial-. S. S. Bloom. No. 897,518; Sept. 1; Sp. p. 574; Dr. p. 120; Gaz. vol. 136; p. 91.
Tooth straightener, Cylinder and concave. C. G. W. Wernicke. No. 875,971; Jan. 7; Sp. p. 558; Dr. pp. 119-20; Gaz. vol. 132; p. 97.
Toothpick-boxing machine. C. C. Freeman. No. 882,879; Mar. 24; Sp. p. 4757; Dr. pp. 1012-13; Gaz. vol. 133; p. 876.
Toothpick-boxing machine. S. S. Tainter. No. 886,091; Apr. 28; Sp. p. 4987; Dr. p. 1049; Gaz. vol. 133; p. 2069.
Toothpick-boxing machine. G. P. Stanley and W. and S. S. Tainter. No. 904,159; Nov. 17; Sp. p. 3309; Gaz. vol. 137; p. 598.
Toothpick-boxing machine. C. C. Freeman. No. 906,214; Dec. 8; Sp. p. 2159; Gaz. vol. 137; p. 1370.
Toothpick-machine. W. F. Hutchinson. No. 896,209; Aug. 18; Sp. p. 2831; Dr. pp. 610-11; Gaz. vol. 135; p. 1408.
Toothpick-making machine. C. R. Emens and W. A. Brower. No. 907,979; Dec. 29; Sp. p. 5672; Gaz. vol. 137; p. 2035.
Toothpick-stand. J. Sahlin. No. 894,702; July 28; Sp. p. 4832; Dr. p. 1004; Gaz. vol. 135; p. 843.
Toothpicks and the like, Apparatus for incasing. A. Herz. No. 883,803; Apr. 7; Sp. p. 255; Dr. p. 47; Gaz. vol. 133; p. 1233.
Top: See Wagon-top.
Top, Double. G. Philippart. No. 901,037; Oct. 13; Sp. p. 2042; Dr. p. 415; Gaz. vol. 136; p. 1416

Alphabetical list of inventions—Continued.

- Top-holder. M. Glasscock. No. 886,595; May 5; Sp. p. 503; Dr. p. 108; Gaz. vol. 134; p. 90.
 Top lift. B. F. Mayo. No. 890,434; June 9; Sp. p. 2495; Dr. p. 552; Gaz. vol. 134; p. 1487.
 Top or diablo. Double. C. H. Skeer. No. 903,419; Nov. 10; Sp. p. 1755; Gaz. vol. 137; p. 320.
 Top-roll saddle and stirrup. C. A. Pierce. No. 898,919; Sept. 15; Sp. p. 3332; Dr. p. 714; Gaz. vol. 136; p. 605.
 Top, Spinning-. I. L. Davenport. No. 896,628; Aug. 18; Sp. p. 3665; Dr. p. 787; Gaz. vol. 135; p. 1544.
 Tops, Spinning-holder for. K. E. Johansson. No. 884,391; Apr. 14; Sp. p. 1464; Dr. p. 312; Gaz. vol. 133; p. 1455.
 Torpedo. P. J. Hedlund. No. 906,133; Dec. 8; Sp. p. 2002; Gaz. vol. 137; p. 1342.
 Torpedo-expulsion tube. L. Y. Spear. No. 888,544; May 26; Sp. p. 4443; Dr. pp. 940-1; Gaz. vol. 134; p. 814.
 Torpedo-launching tube. A. E. Jones. No. 908,270; Dec. 29; Sp. p. 6292; Gaz. vol. 137; p. 2133.
 Torpedo-placer. P. Peter. No. 876,229; Jan. 7; Sp. p. 1058; Dr. p. 228; Gaz. vol. 132; p. 179.
 Torpedo-placer. M. Coe and R. Glass. No. 899,826; Sept. 29; Sp. p. 5138; Dr. p. 1099; Gaz. vol. 136; p. 964.
 Torpedo-placer. E. P. S. Andrews. No. 908,192; Dec. 29; Sp. p. 6128; Gaz. vol. 137; p. 2107.
 Torpedo, Propelled. H. Lacy. No. 895,870; Aug. 11; Sp. p. 2192; Dr. pp. 466-7; Gaz. vol. 135; p. 1278.
 Torpedo shell or casing, Standard-. C. Davis. No. 901,157; Oct. 13; Sp. p. 2261; Dr. p. 460; Gaz. vol. 136; p. 1454.
 Torpedo steering apparatus. A. J. Van Stockum. No. 882,982; Mar. 24; Sp. p. 4955; Dr. pp. 1054-5; Gaz. vol. 133; p. 911.
 Torpedoes, Gyroscopic steering-gear for. F. M. Leavitt. No. 894,838; Aug. 4; Sp. p. 74; Dr. pp. 15-16; Gaz. vol. 135; p. 913.
 Torpedoes, Immersion-regulator particularly adapted for. A. E. Jones. No. 899,304; Sept. 22; Sp. p. 4081; Dr. p. 872; Gaz. vol. 136; p. 758.
 Torpedoes, Means for actuating submersion-rudders for. A. E. Jones. No. 883,028; Mar. 24; Sp. p. 5038; Dr. p. 1073; Gaz. vol. 133; p. 925.
 Torpedoes on railways from platforms, Machine for distributing. J. A. Hall. No. 888,706; May 26; Sp. p. 4784; Dr. p. 1019; Gaz. vol. 134; p. 868.
 Torque-regulating mechanism. E. Thomson. No. 877,473; Jan. 21; Sp. p. 3649; Dr. p. 791; Gaz. vol. 132; p. 663.
 Tote-box. W. E. Donnelly. No. 903,848; Nov. 17; Sp. p. 2649; Gaz. vol. 137; p. 491.
 Tourist's glass. J. M. Faehrmann. No. 877,313; Jan. 21; Sp. p. 3362; Dr. p. 728; Gaz. vol. 132; p. 612.
 Towel and curtain-rod holder. T. Deselms. No. 899,387; Sept. 22; Sp. p. 4224; Dr. p. 904; Gaz. vol. 136; p. 784.
 Towel-holder. C. Arning. No. 879,719; Feb. 18; Sp. p. 3763; Dr. p. 789; Gaz. vol. 132; p. 1518.
 Towel-pin. C. Nelson. No. 900,767; Oct. 13; Sp. p. 1473; Dr. p. 300; Gaz. vol. 136; p. 1328.
 Towel-rack. P. Valliere. No. 891,305; June 23; Sp. p. 4290; Dr. p. 937; Gaz. vol. 134; p. 1836.
 Towel-rack. J. R. Lane. No. 891,842; June 30; Sp. p. 5421; Dr. p. 1172; Gaz. vol. 134; p. 2046.
 Towel rack and holder, Combined. O. E. Myers. No. 886,534; May 5; Sp. p. 378; Dr. p. 79; Gaz. vol. 134; p. 70.
 Towels, napkins, &c., Holder for. E. Werner. No. 887,558; May 12; Sp. p. 2509; Dr. p. 528; Gaz. vol. 134; p. 431.
 Tower. L. W. Noyes. No. 889,395; June 2; Sp. p. 414; Dr. pp. 97-8; Gaz. vol. 134; p. 1123.
 Tower. L. W. Noyes. (Reissue.) No. 12,342; Aug. 11; Sp. p. 2588; Dr. pp. 562-3; Gaz. vol. 135; p. 1344.
 Tower, Skeleton. L. W. Noyes. No. 877,587; Jan. 28; Sp. p. 3913; Dr. pp. 846-7; Gaz. vol. 132; p. 722.
 Towing system. W. L. Merrill. No. 891,352; June 23; Sp. p. 4394; Dr. p. 957; Gaz. vol. 134; p. 1852.
 Toy. E. D. Neagle. No. 877,360; Jan. 21; Sp. p. 3441; Dr. p. 746; Gaz. vol. 132; p. 627.
 Toy. A. S. Diack. No. 879,152; Feb. 18; Sp. p. 2597; Dr. p. 541; Gaz. vol. 132; p. 1333.
 Toy. J. T. Curtis. No. 880,633; Mar. 3; Sp. p. 294; Dr. p. 65; Gaz. vol. 133; p. 51.
 Toy. J. W. Haslett. No. 880,793; Mar. 3; Sp. p. 614; Dr. p. 130; Gaz. vol. 133; p. 106.
 Toy. W. F. Mikolasek. No. 882,403; Mar. 17; Sp. p. 3806; Dr. pp. 813-14; Gaz. vol. 133; p. 687.
 Toy. W. T. Wood. No. 882,604; Mar. 24; Sp. p. 4197; Dr. p. 890; Gaz. vol. 133; p. 787.
 Toy. J. Zimmermann. No. 883,372; Mar. 31; Sp. p. 5749; Dr. p. 1228; Gaz. vol. 133; p. 1067.
 Toy. B. B. Coleman. No. 883,390; Mar. 31; Sp. p. 5800; Dr. p. 1237; Gaz. vol. 133; p. 1073.
 Toy. A. Craven. No. 883,860; Apr. 7; Sp. p. 382; Dr. p. 74; Gaz. vol. 133; p. 1252.
 Toy. F. Beaumont, Jr. No. 884,259; Apr. 7; Sp. p. 1213; Dr. p. 255; Gaz. vol. 133; p. 1384.
 Toy. J. H. Hettlinger. No. 884,387; Apr. 14; Sp. p. 1460; Dr. p. 311; Gaz. vol. 133; p. 1455.
 Toy. H. E. Waggaman. No. 884,692; Apr. 14; Sp. p. 2103; Dr. p. 449; Gaz. vol. 133; p. 1554.
 Toy. W. Hizer. No. 886,505; May 5; Sp. p. 325; Dr. p. 67; Gaz. vol. 134; p. 60.
 Toy. M. E. Tynes. No. 891,117; June 16; Sp. p. 3891; Dr. p. 851; Gaz. vol. 134; p. 1742.
 Toy. R. S. Fetter. No. 891,828; June 30; Sp. p. 5399; Dr. p. 1167; Gaz. vol. 134; p. 2042.
 Toy. H. Stubert. No. 895,312; Aug. 4; Sp. p. 1092; Dr. p. 229; Gaz. vol. 135; p. 1074.
 Toy. M. D. Cook. No. 897,523; Sept. 1; Sp. p. 585; Dr. p. 121; Gaz. vol. 136; p. 92.
 Toy. A. Ensor. No. 897,527; Sept. 1; Sp. p. 595; Dr. p. 124; Gaz. vol. 136; p. 93.
 Toy. T. A. Martin. No. 897,638; Sept. 1; Sp. p. 806; Dr. p. 169; Gaz. vol. 136; p. 128.
 Toy. A. E. Woolnough. No. 898,813; Sept. 15; Sp. p. 3142; Dr. p. 673; Gaz. vol. 136; p. 570.
 Toy. S. Grobl. No. 899,448; Sept. 22; Sp. p. 4332; Dr. p. 930; Gaz. vol. 136; p. 803.
 Toy. C. G. Hellstrom. No. 899,866; Sept. 29; Sp. p. 5233; Dr. p. 1118; Gaz. vol. 136; p. 978.
 Toy. E. V. Wetzel. No. 901,762; Oct. 20; Sp. p. 3569; Dr. p. 723; Gaz. vol. 136; p. 1690.
 Toy. W. S. Miners. No. 902,429; Oct. 27; Sp. p. 4952; Dr. p. 1000; Gaz. vol. 136; p. 1936.
 Toy. A. J. Nusly, Jr. No. 903,879; Nov. 17; Sp. p. 2723; Gaz. vol. 137; p. 502.
 Toy. J. Lexow. No. 905,085; Nov. 24; Sp. p. 5240; Gaz. vol. 137; p. 934.
 Toy. A. Schoenhut. No. 907,092; Dec. 15; Sp. p. 3787; Gaz. vol. 137; p. 1674.
 Toy and educational block, Combination. O. S. Perkins. No. 897,137; Aug. 25; Sp. p. 4763; Dr. p. 1014; Gaz. vol. 135; p. 1737.
 Toy animal. F. Steiff. No. 898,018; Sept. 8; Sp. p. 1608; Dr. p. 343; Gaz. vol. 136; p. 284.
 Toy balloon. W. P. Herbst. No. 898,105; Sept. 8; Sp. p. 1788; Dr. p. 380; Gaz. vol. 136; p. 312.
 Toy bank. A. E. Jacobs. No. 881,589; Mar. 10; Sp. p. 2179; Dr. p. 475; Gaz. vol. 133; p. 396.
 Toy bear. I. Parmly. No. 878,232; Feb. 4; Sp. p. 695; Dr. p. 143; Gaz. vol. 132; p. 959.
 Toy building-block. C. W. Frost. No. 879,455; Feb. 18; Sp. p. 3222; Dr. p. 670; Gaz. vol. 132; p. 1433.
 Toy, Child's. A. Stange. No. 902,771; Nov. 3; Sp. p. 463; Gaz. vol. 137; p. 80.
 Toy, Chromatic. A. L. Newell. No. 880,322; Feb. 25; Sp. p. 5010; Dr. p. 1057; Gaz. vol. 132; p. 1750.
 Toy, Dancing. R. J. Tanner. No. 880,933; Mar. 3; Sp. p. 906; Dr. p. 195; Gaz. vol. 133; p. 153.
 Toy, Dancing. A. A. Jones. No. 905,707; Dec. 1; Sp. p. 1175; Gaz. vol. 137; p. 1174.
 Toy, Detonating. T. E. Mitchell. No. 881,702; Mar. 10; Sp. p. 2395; Dr. p. 520; Gaz. vol. 133; p. 430.
 Toy device, Campaign. E. Wolff. No. 883,440; Mar. 31; Sp. p. 5919; Dr. p. 1263; Gaz. vol. 133; p. 1091.
 Toy drum. J. Chein. No. 879,521; Feb. 18; Sp. p. 3342; Dr. p. 698; Gaz. vol. 132; p. 1454.
 Toy dump-cart. H. T. Kingsbury. No. 891,997; June 30; Sp. p. 5731; Dr. pp. 1232-3; Gaz. vol. 134; p. 2097.
 Toy, Educational. T. E. Lockwood. No. 894,274; July 28; Sp. p. 3984; Dr. p. 822; Gaz. vol. 135; p. 703.
 Toy engine, Electromagnetic. H. G. Hawekotte and H. W. Klausmann. No. 882,681; Mar. 24; Sp. p. 4355; Dr. p. 927; Gaz. vol. 133; p. 813.
 Toy, Figure. J. Dermentstein. No. 905,507; Dec. 1; Sp. p. 811; Gaz. vol. 137; p. 1112.
 Toy film-burster. H. Cottrell. No. 891,407; June 23; Sp. p. 4512; Dr. p. 981; Gaz. vol. 134; p. 1870.
 Toy flagstaff. F. W. Kline. No. 881,006; Mar. 3; Sp. p. 1036; Dr. p. 224; Gaz. vol. 133; p. 177.
 Toy gun. B. Hestness. No. 883,197; Mar. 31; Sp. p. 5393; Dr. p. 1148; Gaz. vol. 133; p. 1011.
 Toy gun. E. F. Slear. No. 883,915; Apr. 7; Sp. p. 494; Dr. p. 98; Gaz. vol. 133; p. 1271.
 Toy horn. A. D. Converse. No. 888,311; May 19; Sp. p. 3954; Dr. p. 832; Gaz. vol. 134; p. 706.
 Toy, Illuminated. J. F. Siever and W. H. Nefflen. No. 876,739; Jan. 14; Sp. p. 2157; Dr. p. 474; Gaz. vol. 132; p. 382.
 Toy, Illusion. J. S. Fax. No. 904,121; Nov. 17; Sp. p. 3218; Gaz. vol. 137; p. 584.
 Toy magazine-gun. W. D. Roney. No. 883,234; Mar. 31; Sp. p. 5471; Dr. p. 1166; Gaz. vol. 133; p. 1023.
 Toy mask. H. D. Sterrick. No. 885,802; Apr. 28; Sp. p. 4399; Dr. p. 921; Gaz. vol. 133; p. 1974.
 Toy, Mechanical. J. P. McGill. No. 876,992; Jan. 21; Sp. p. 2683; Dr. p. 583; Gaz. vol. 132; p. 505.
 Toy, Mechanical. T. A. Killman. No. 895,186; Aug. 4; Sp. p. 816; Dr. p. 171; Gaz. vol. 135; p. 1030.
 Toy, Mechanical. F. Hoffmann. No. 906,881; Dec. 15; Sp. p. 3412; Gaz. vol. 137; p. 1608.
 Toy, Musical. J. D. Harper. No. 896,296; Aug. 18; Sp. p. 3014; Dr. p. 649; Gaz. vol. 135; p. 1437.
 Toy oil-well. C. and J. Weisenbach. No. 880,943; Mar. 3; Sp. p. 920; Dr. p. 198; Gaz. vol. 133; p. 155.
 Toy or amusement device. P. M. Welsh. No. 904,387; Nov. 17; Sp. p. 3786; Gaz. vol. 137; p. 675.
 Toy or game implements, Construction of. J. A. de la Fresnaye. No. 898,210; Sept. 8; Sp. p. 1983; Dr. p. 423; Gaz. vol. 136; p. 344.
 Toy or puzzle. R. D. Howell. No. 899,402; Sept. 22; Sp. p. 4253; Dr. p. 912; Gaz. vol. 136; p. 788.
 Toy, Pyrotechnical. A. Jedel. No. 888,810; May 26; Sp. p. 5020; Dr. p. 1070; Gaz. vol. 134; p. 902.
 Toy-railway crossover. H. C. Ives. No. 892,666; July 7; Sp. p. 533; Dr. p. 113; Gaz. vol. 135; p. 94.
 Toy-railway switch. C. A. Hotchkiss. No. 897,622; Sept. 1; Sp. p. 781; Dr. p. 164; Gaz. vol. 136; p. 124.
 Toy railway systems, Rail-joint for. W. R. Haberin. No. 887,191; May 12; Sp. p. 1674; Dr. p. 355; Gaz. vol. 134; p. 307.
 Toy, Revolving. T. F. Slater. No. 889,729; June 2; Sp. p. 1061; Dr. p. 244; Gaz. vol. 134; p. 1229.
 Toy savings-bank. T. Mayhew. No. 901,018; Oct. 13; Sp. p. 2012; Dr. p. 408; Gaz. vol. 136; p. 1410.

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- Toy trolley-railway. E. R. Ives. No. 892,665; July 7; Sp. p. 531; Dr. p. 112; Gaz. vol. 135; p. 94.
 Toy, Trundling. E. G. Frey. No. 898,351; Sept. 8; Sp. p. 2237; Dr. p. 477; Gaz. vol. 136; p. 388.
 Toy vehicle. T. E. Creclius. No. 379,947; Feb. 25; Sp. p. 4270; Dr. p. 892; Gaz. vol. 132; p. 1628.
 Toy wagon. H. L. Ferris. No. 887,385; May 12; Sp. p. 2162; Dr. p. 453; Gaz. vol. 134; p. 374.
 Toy, Wheeled. J. Becker. No. 903,350; Nov. 10; Sp. p. 1626; Gaz. vol. 137; p. 298.
 Toy, Wheeled. L. Townsend. No. 906,471; Dec. 8; Sp. p. 2628; Gaz. vol. 137; p. 1453.
 Toy windmill. R. H. Sunderlin and C. A. Billee. No. 877,382; Jan. 21; Sp. p. 3480; Dr. p. 755; Gaz. vol. 132; p. 634.
 Trace. A. Javelet. No. 905,881; Dec. 8; Sp. p. 1520; Gaz. vol. 137; p. 1263.
 Trace. D. McAulay. No. 908,309; Dec. 29; Sp. p. 6367; Gaz. vol. 137; p. 2147.
 Trace-carrier. H. Hill. No. 878,393; Feb. 4; Sp. p. 1003; Dr. p. 203; Gaz. vol. 132; p. 1013.
 Trace-carrier. A. B. Meinhardt. No. 881,814; Mar. 10; Sp. p. 2619; Dr. p. 562; Gaz. vol. 133; p. 467.
 Trace-carrier. W. E. Dippert. No. 883,097; Mar. 24; Sp. p. 5168; Dr. p. 1104; Gaz. vol. 133; p. 947.
 Trace-carrier. O. Olson. No. 890,698; June 16; Sp. p. 3045; Dr. p. 668; Gaz. vol. 134; p. 1606.
 Trace-carrier. H. Hill. No. 895,860; Aug. 11; Sp. p. 2176; Dr. p. 462; Gaz. vol. 135; p. 1275.
 Trace-eye guard. L. G. Johns. No. 900,283; Oct. 6; Sp. p. 455; Dr. p. 93; Gaz. vol. 136; p. 1143.
 Trace-fastener. J. C. Wood. No. 888,213; May 19; Sp. p. 3771; Dr. p. 791; Gaz. vol. 134; p. 674.
 Trace, Harness-. C. Van Denbark. No. 877,683; Jan. 28; Sp. p. 4102; Dr. p. 887; Gaz. vol. 132; p. 754.
 Trace-holder. H. A. Bierley. No. 881,655; Mar. 10; Sp. p. 2324; Dr. p. 503; Gaz. vol. 133; p. 417.
 Trace-holder. H. S. Geer. No. 900,066; Sept. 29; Sp. p. 5667; Dr. p. 1210; Gaz. vol. 136; p. 1042.
 Trace-holder. B. C. McKay. No. 902,159; Oct. 27; Sp. p. 4366; Dr. p. 884; Gaz. vol. 136; p. 1847.
 Trace-securing means for swingladders. T. Morcom. No. 887,685; May 12; Sp. p. 2736; Dr. p. 578; Gaz. vol. 134; p. 472.
 Trace-splice. J. Fisher and C. F. Reynolds. No. 889,114; May 26; Sp. p. 5633; Dr. p. 1193; Gaz. vol. 134; p. 1000.
 Trace-splice. S. W. Reynolds. No. 902,911; Nov. 3; Sp. p. 767; Gaz. vol. 137; p. 127.
 Trace-support. J. Donavan. No. 903,363; Nov. 10; Sp. p. 1653; Gaz. vol. 137; p. 303.
 Track and hanger. J. Smith. No. 906,948; Dec. 15; Sp. p. 3539; Gaz. vol. 137; p. 1630.
 Track-brace. H. A. Oblinger. No. 906,267; Dec. 8; Sp. p. 2261; Gaz. vol. 137; p. 1388.
 Track-brake, Electric. W. C. Mayo. No. 896,740; Aug. 25; Sp. p. 3904; Dr. p. 842; Gaz. vol. 135; p. 1602.
 Track-clearer. G. A. Parmenter. No. 888,730; May 26; Sp. p. 4820; Dr. p. 1028; Gaz. vol. 134; p. 875.
 Track construction. W. A. Braden. No. 893,134; July 14; Sp. p. 1514; Dr. p. 319; Gaz. vol. 135; p. 278.
 Track-drill. D. A. Moore. No. 885,944; Apr. 28; Sp. p. 4694; Dr. p. 988; Gaz. vol. 133; p. 2022.
 Track-fastener. W. D. Hutchins. No. 893,504; July 14; Sp. p. 2269; Dr. p. 476; Gaz. vol. 135; p. 398.
 Track-fastener. G. W. Nevins. No. 902,757; Nov. 3; Sp. p. 442; Gaz. vol. 137; p. 76.
 Track-fastening and tie. W. J. Girard. No. 905,867; Dec. 8; Sp. p. 1496; Gaz. vol. 137; p. 1258.
 Track-gage. L. Barceloux. No. 883,685; Apr. 7; Sp. p. 3; Dr. p. 1; Gaz. vol. 133; p. 1195.
 Track-hanger. A. H. Neller. No. 897,388; Sept. 1; Sp. p. 301; Dr. p. 62; Gaz. vol. 136; p. 46.
 Track hanger, Overhead-. D. Tolton. No. 886,276; Apr. 28; Sp. p. 5333; Dr. p. 1122; Gaz. vol. 133; p. 2131.
 Track-laying machine. C. O. Wescott. No. 887,161; May 12; Sp. p. 1619; Dr. p. 344; Gaz. vol. 134; p. 298.
 Track-laying machine. C. E. Drummond. No. 887,607; May 12; Sp. p. 2585; Dr. pp. 545-6; Gaz. vol. 134; p. 446.
 Track-level. B. F. Young. No. 897,045; Aug. 25; Sp. p. 4590; Dr. p. 979; Gaz. vol. 135; p. 1706.
 Track-light and automatic signal, Continuous. J. M. Pitney, Jr. No. 897,304; Sept. 1; Sp. p. 65; Dr. p. 16; Gaz. vol. 136; p. 14.
 Track or rail, Tramway and railway. J. H. Briggs. No. 904,174; Nov. 17; Sp. p. 3352; Gaz. vol. 137; p. 603.
 Track or roadway. L. S. Hackney. No. 899,252; Sept. 22; Sp. p. 4003; Dr. p. 854; Gaz. vol. 136; p. 742.
 Track, Portable. G. Lewis. No. 900,398; Oct. 6; Sp. p. 689; Dr. p. 141; Gaz. vol. 136; p. 1180.
 Track-sander. J. H. Hanlon. No. 906,224; Dec. 8; Sp. p. 2188; Gaz. vol. 137; p. 1374.
 Track-sander. J. Schmitz. No. 906,308; Dec. 8; Sp. p. 2340; Gaz. vol. 137; p. 1402.
 Track-sanding device. J. W. Brady. No. 877,828; Jan. 28; Sp. p. 4359; Dr. p. 947; Gaz. vol. 132; p. 798.
 Track-sanding device. E. J. Anderson. No. 881,452; Mar. 10; Sp. p. 1913; Dr. p. 416; Gaz. vol. 133; p. 349.
 Track-sanding machine. T. L. Hamer. No. 899,529; Sept. 29; Sp. p. 4511; Dr. pp. 968-9; Gaz. vol. 136; p. 867.
 Track-sanding mechanism. C. P. White. No. 887,884; May 19; Sp. p. 3160; Dr. p. 665; Gaz. vol. 134; p. 569.
 Track-sweeper. J. E. Kelley. No. 880,308; Feb. 25; Sp. p. 4987; Dr. p. 1052; Gaz. vol. 132; p. 1746.
 Track-switch. J. J. Ruddick. No. 903,110; Nov. 3; Sp. p. 1156; Gaz. vol. 137; p. 188.
 Track-switch, Electric. R. A. Baldwin. No. 877,458; Jan. 21; Sp. p. 3622; Dr. p. 784; Gaz. vol. 132; p. 659.
 Track-switch, Electrically-operated. F. B. Corey. No. 888,389; May 19; Sp. p. 4105; Dr. p. 866; Gaz. vol. 134; p. 730.
 Track system, Transfer-. G. P. Baldwin. No. 881,454; Mar. 10; Sp. p. 1917; Dr. pp. 417-18; Gaz. vol. 133; p. 350.
 Track-tamping implement. A. F. Hart. No. 885,750; Apr. 28; Sp. p. 4287; Dr. p. 898; Gaz. vol. 133; p. 1956.
 Track-walker's implement. J. A. Blanch. No. 896,512; Aug. 18; Sp. p. 3459; Dr. p. 744; Gaz. vol. 135; p. 1508.
 Tracks, Curve for overhead. A. H. Neller. No. 883,663; Mar. 31; Sp. p. 6354; Dr. p. 1354; Gaz. vol. 133; p. 1159.
 Tracks, Transfer for overhead. W. Loudon. No. 901,717; Oct. 20; Sp. p. 3486; Dr. pp. 705-6; Gaz. vol. 136; p. 1676.
 Tracker. T. P. Brown. No. 902,555; Nov. 3; Sp. p. 42; Gaz. vol. 137; p. 8.
 Tracker-bar. J. Hatterer and A. Kuhle. No. 881,317; Mar. 10; Sp. p. 1648; Dr. p. 353; Gaz. vol. 133; p. 307.
 Tracker-bar and music-sheet mechanism. W. J. Keeley. No. 902,495; Oct. 27; Sp. p. 5095; Dr. p. 1031; Gaz. vol. 136; p. 1959.
 Tracker-bar mechanism. T. Danguard. No. 902,478; Oct. 27; Sp. p. 5052; Dr. p. 1022; Gaz. vol. 136; p. 1952.
 Tracker-bar-operating mechanism. T. Danguard. No. 902,480; Oct. 27; Sp. p. 5057; Dr. p. 1023; Gaz. vol. 136; p. 1953.
 Tracker-bar, Shiftable. A. Kuhle. No. 883,206; Mar. 31; Sp. p. 5408; Dr. p. 1152; Gaz. vol. 133; p. 1014.
 Tracker-board. H. Pierce. No. 895,392; Aug. 4; Sp. p. 1223; Dr. p. 258; Gaz. vol. 135; p. 1099.
 Tracker mechanism. T. Danguard. No. 902,479; Oct. 27; Sp. p. 5055; Dr. p. 1023; Gaz. vol. 136; p. 1953.
 Tracker mechanism, Double. T. Danguard. No. 902,482; Oct. 27; Sp. p. 5060; Dr. p. 1023; Gaz. vol. 136; p. 1954.
 Traction-engine. R. Russell. No. 875,851; Jan. 7; Sp. p. 322; Dr. pp. 71-2; Gaz. vol. 132; p. 60.
 Traction-engine. F. I. Cass. No. 883,934; Apr. 7; Sp. p. 535; Dr. pp. 105-6; Gaz. vol. 133; p. 1277.
 Traction-engine. S. S. Rose. No. 884,685; Apr. 14; Sp. p. 2090; Dr. p. 446; Gaz. vol. 133; p. 1552.
 Traction-engine. J. B. Bartholomew. No. 887,303; May 12; Sp. p. 1970; Dr. p. 414; Gaz. vol. 134; p. 346.
 Traction-engine. D. T. Timberlake. No. 905,481; Dec. 1; Sp. p. 748; Gaz. vol. 137; p. 1104.
 Traction-wheel. M. Wilson. No. 877,152; Jan. 21; Sp. p. 3028; Dr. p. 655; Gaz. vol. 132; p. 559.
 Traction-wheel. A. E. Glascock. No. 883,010; Mar. 24; Sp. p. 5005; Dr. p. 1065; Gaz. vol. 133; p. 919.
 Traction-wheel. H. H. Rohlf. No. 888,933; May 26; Sp. p. 5272; Dr. p. 1118; Gaz. vol. 134; p. 943.
 Traction-wheel. M. E. Perring. No. 890,446; June 9; Sp. p. 2513; Dr. p. 556; Gaz. vol. 134; p. 1490.
 Traction-wheel. G. Hohlencamp. No. 899,047; Sept. 22; Sp. p. 3566; Dr. p. 764; Gaz. vol. 136; p. 673.
 Traction-wheel. H. C. Cloyd. No. 899,954; Sept. 29; Sp. p. 5412; Dr. p. 1154; Gaz. vol. 136; p. 1005.
 Traction-wheel. F. Bottrill. No. 902,369; Oct. 27; Sp. p. 4817; Dr. p. 973; Gaz. vol. 136; p. 1916.
 Traction-wheel. W. L. Martin. No. 902,426; Oct. 27; Sp. p. 4947; Dr. p. 999; Gaz. vol. 136; p. 1935.
 Traction-wheel. J. M. Roberts. No. 903,231; Nov. 10; Sp. p. 1399; Gaz. vol. 137; p. 259.
 Traction-wheel. D. T. Timberlake. No. 905,765; Dec. 1; Sp. p. 1293; Gaz. vol. 137; p. 1194.
 Traction-wheel. M. Goodfellow. No. 907,991; Dec. 29; Sp. p. 5707; Gaz. vol. 137; p. 2039.
 Traction-wheel, Motor-vehicle. C. H. Schmidt. No. 886,873; May 5; Sp. p. 1081; Dr. p. 227; Gaz. vol. 134; p. 178.
 Train-arrester. F. C. Kühne. No. 899,602; Sept. 29; Sp. p. 4669; Dr. p. 1001; Gaz. vol. 136; p. 891.
 Train-controller, Automatic. G. Toft. No. 886,741; May 5; Sp. p. 832; Dr. p. 172; Gaz. vol. 134; p. 138.
 Train-controlling system. P. Winsor. No. 898,296; Sept. 8; Sp. p. 2142; Dr. pp. 455-6; Gaz. vol. 136; p. 370.
 Train-controlling system, Electrically-governed automatically-operable. H. B. Miller. No. 891,779; June 23; Sp. p. 5266; Dr. pp. 1140-1; Gaz. vol. 134; p. 1994.
 Train-lighting system. J. L. Woodbridge. No. 891,221; June 16; Sp. p. 4110; Dr. p. 901; Gaz. vol. 134; p. 1776.
 Train-order-delivery apparatus. E. E. Sappenfield. No. 895,307; Aug. 4; Sp. p. 1085; Dr. p. 227; Gaz. vol. 135; p. 1072.
 Train-order holder and deliverer. J. J. Metz. No. 895,282; Aug. 4; Sp. p. 1032; Dr. p. 216; Gaz. vol. 135; p. 1064.
 Train-order signal. L. H. Van Zandt. No. 905,120; Nov. 24; Sp. p. 5319; Gaz. vol. 137; p. 947.
 Train-pipes, Pneumatic adjuster for angle-cocks on. W. S. De Camp. No. 891,675; June 23; Sp. p. 5076; Dr. p. 1096; Gaz. vol. 134; p. 1959.
 Train safety device, Electric-. A. H. Daus. No. 892,713; July 7; Sp. p. 627; Dr. p. 134; Gaz. vol. 135; p. 109.
 Train safety-stop. L. T. Diebolt. No. 877,305; Jan. 21; Sp. p. 3340; Dr. p. 724; Gaz. vol. 132; p. 610.
 Train-service coupling. S. D. Barnett. No. 876,929; Jan. 21; Sp. p. 2539; Dr. pp. 555-6; Gaz. vol. 132; p. 482.
 Train-signal. F. P. Page. No. 884,950; Apr. 14; Sp. p. 2621; Dr. p. 553; Gaz. vol. 133; p. 1636.
 Train-signaling. J. F. McElroy. No. 907,269; Dec. 22; Sp. p. 4194; Gaz. vol. 137; p. 1771.
 Train-stop, Automatic. H. G. Sedgwick. (Reissue.) No. 12,783; Apr. 21; Sp. p. 4186; Dr. p. 876; Gaz. vol. 133; p. 1914.
 Train-stop, Automatic. J. H. Lynch. No. 891,556; June 23; Sp. p. 4810; Dr. p. 1039; Gaz. vol. 134; p. 1919.
 Train-stop, Automatic. H. G. Sedgwick. No. 896,332; Aug. 18; Sp. p. 3092; Dr. p. 665; Gaz. vol. 135; p. 1449.

Alphabetical list of inventions—Continued.

- Train-stop, Automatic. H. G. Sedgwick. No. 900,215; Oct. 6; Sp. p. 300; Dr. p. 61; Gaz. vol. 136; p. 1121.
 Train-stop, Automatic. H. G. Sedgwick. No. 900,216; Oct. 6; Sp. p. 301; Dr. p. 61; Gaz. vol. 136; p. 1121.
 Train-stop, Automatic. H. G. Sedgwick. No. 900,217; Oct. 6; Sp. p. 302; Dr. p. 61; Gaz. vol. 136; p. 1121.
 Train-stop, Centrifugally-actuated. J. B. Struble. No. 897,321; Sept. 1; Sp. p. 132; Dr. p. 27; Gaz. vol. 136; p. 20.
 Train-stop, Emergency. P. Conniff and F. A. Pierce. No. 903,843; Nov. 17; Sp. p. 2637; Gaz. vol. 137; p. 490.
 Train-stops, Circuit-closer for automatic. J. H. Lynch. No. 890,670; June 16; Sp. p. 2990; Dr. p. 650; Gaz. vol. 134; p. 1597.
 Train-stopper, Automatic. C. D. Tisdale. No. 906,582; Dec. 15; Sp. p. 2841; Gaz. vol. 137; p. 1514.
 Train-stopping device, Emergency. P. Conniff and F. A. Pierce. No. 903,842; Nov. 17; Sp. p. 2635; Gaz. vol. 137; p. 489.
 Trains, Apparatus for automatically controlling the speed of. J. G. Schreuder and V. K. Spicer. No. 903,410; Nov. 10; Sp. p. 1730; Gaz. vol. 137; p. 316.
 Trains, Apparatus for automatically controlling the speed of. J. G. Schreuder and V. K. Spicer. No. 903,411; Nov. 10; Sp. p. 1735; Gaz. vol. 137; p. 317.
 Trains, Apparatus for automatically controlling the speed of. J. G. Schreuder and V. K. Spicer. No. 903,412; Nov. 10; Sp. p. 1738; Gaz. vol. 137; p. 317.
 Trains, Apparatus for automatically controlling the speed of. J. G. Schreuder and V. K. Spicer. No. 903,413; Nov. 10; Sp. p. 1740; Gaz. vol. 137; p. 317.
 Trains, Apparatus for automatically controlling the speed of. J. G. Schreuder and V. K. Spicer. No. 903,416; Nov. 10; Sp. p. 1749; Gaz. vol. 137; p. 319.
 Trains, Apparatus for automatically controlling the speed of. J. G. Schreuder and V. K. Spicer. No. 903,417; Nov. 10; Sp. p. 1750; Gaz. vol. 137; p. 319.
 Trains, Apparatus for controlling the passage of. J. D. Taylor. No. 887,289; May 12; Sp. p. 1935; Dr. pp. 407-8; Gaz. vol. 134; p. 341.
 Trains, Apparatus for signaling and communication to moving. H. B. De Groot and W. A. Kendrick. No. 893,147; July 14; Sp. p. 1550; Dr. pp. 326-7; Gaz. vol. 135; p. 282.
 Trains, Combined signal and speed-controlling mechanism for. J. G. Schreuder and V. K. Spicer. No. 903,414; Nov. 10; Sp. p. 1742; Gaz. vol. 137; p. 318.
 Trains, Combined signal and speed-controlling mechanism for. J. G. Schreuder and V. K. Spicer. No. 903,415; Nov. 10; Sp. p. 1745; Gaz. vol. 137; p. 318.
 Trains, Device for automatically stopping. G. W. Lancaster. No. 892,270; June 30; Sp. p. 6251; Dr. pp. 1345-6; Gaz. vol. 134; p. 2186.
 Trains, Device for transferring parcels to and from moving. A. J. Rudolph. No. 883,239; Mar. 31; Sp. p. 5479; Dr. pp. 1168-9; Gaz. vol. 133; p. 1025.
 Trains, Electrical device for automatically stopping. G. W. Lancaster. No. 892,271; June 30; Sp. p. 6255; Dr. p. 1346; Gaz. vol. 134; p. 2187.
 Trains, Means for automatically stopping. G. W. Hunt and J. Kinney. No. 891,341; June 23; Sp. p. 4373; Dr. p. 952; Gaz. vol. 134; p. 1848.
 Trains, Means for transferring passengers and the like to and from moving. F. H. Cook. No. 881,377; Mar. 10; Sp. p. 1779; Dr. pp. 383-4; Gaz. vol. 133; p. 326.
 Trains, Means for establishing electrical communication with moving. J. Ames. No. 886,169; Apr. 28; Sp. p. 5139; Dr. p. 1081; Gaz. vol. 133; p. 2094.
 Training device. F. Kull. No. 903,731; Nov. 10; Sp. p. 2385; Gaz. vol. 137; p. 419.
 Training-string connector. O. M. Knox. No. 881,593; Mar. 10; Sp. p. 2185; Dr. p. 476; Gaz. vol. 133; p. 398.
 Tram-lines, Shifting-point for. O. Coates. No. 897,061; Aug. 25; Sp. p. 4628; Dr. p. 985; Gaz. vol. 135; p. 1712.
 Trammel. C. H. Schade. No. 896,047; Aug. 11; Sp. p. 2537; Dr. p. 551; Gaz. vol. 135; p. 1335.
 Tramway. P. M. Loberg. No. 879,280; Feb. 18; Sp. p. 2833; Dr. p. 594; Gaz. vol. 132; p. 1375.
 Tramway-switch. F. J. Kendrick. No. 897,627; Sept. 1; Sp. p. 790; Dr. p. 166; Gaz. vol. 136; p. 125.
 Tramway-switch, Automatic. E. L. Anderson. No. 897,511; Sept. 1; Sp. p. 556; Dr. p. 117; Gaz. vol. 136; p. 88.
 Tramway system. W. Bradford. No. 904,245; Nov. 17; Sp. p. 3506; Gaz. vol. 137; p. 627.
 Tramway tower-saddle. W. S. Gemmer. No. 900,923; Oct. 13; Sp. p. 1820; Dr. pp. 369-71; Gaz. vol. 136; p. 1379.
 Tramways, Bucket-loader for wire-rope. F. B. Whitmore. No. 885,117; Apr. 21; Sp. p. 2978; Dr. p. 628; Gaz. vol. 133; p. 1723.
 Tramways, Self-adjusting sheave for cable. H. G. Ferris. No. 883,529; Mar. 31; Sp. p. 6091; Dr. p. 1296; Gaz. vol. 133; p. 1118.
 Transfer. J. W. Hentz. No. 904,778; Nov. 24; Sp. p. 4626; Gaz. vol. 137; p. 832.
 Transfer system. K. C. Gardner. No. 879,131; Feb. 11; Sp. p. 2551; Dr. pp. 530-1; Gaz. vol. 132; p. 1294.
 Transfer-table, Normal-surface. C. G. Hawley. No. 889,368; June 2; Sp. p. 346; Dr. p. 81; Gaz. vol. 134; p. 1114.
 Transfer-table, Normal-surface. C. G. Hawley. No. 889,369; June 2; Sp. p. 350; Dr. p. 82; Gaz. vol. 134; p. 1115.
 Transformer. C. L. Fortescue. No. 879,153; Feb. 18; Sp. p. 2604; Dr. p. 542; Gaz. vol. 132; p. 1335.
 Transformer. J. J. Frank. No. 885,034; Apr. 21; Sp. p. 2795; Dr. p. 592; Gaz. vol. 133; p. 1697.
 Transformer. J. J. Frank. No. 894,620; July 28; Sp. p. 4679; Dr. p. 971; Gaz. vol. 135; p. 816.
 Transformer-core construction. J. J. Frank. No. 896,983; Aug. 25; Sp. p. 4460; Dr. p. 953; Gaz. vol. 135; p. 1684.
 Transformer, Electric. L. Maiche. No. 890,781; June 16; Sp. p. 3240; Dr. p. 708; Gaz. vol. 134; p. 1634.
 Transformer, Electric-vehicle. W. S. Moody. No. 876,988; Jan. 21; Sp. p. 2670; Dr. pp. 580-1; Gaz. vol. 132; p. 503.
 Transformer, Electrical. S. E. Johannessen. No. 889,931; June 9; Sp. p. 1457; Dr. p. 330; Gaz. vol. 134; p. 1320.
 Transformer, Electrical. A. R. Luschna. No. 891,496; June 23; Sp. p. 4683; Dr. pp. 1014-15; Gaz. vol. 134; p. 1899.
 Transformer employed in high-frequency-current circuits. G. E. Gaiffe. No. 877,219; Jan. 21; Sp. p. 3372; Dr. p. 730; Gaz. vol. 132; p. 614.
 Transformer-furnace. A. R. Lindblad and O. Stålhane. No. 880,547; Mar. 3; Sp. p. 103; Dr. p. 24; Gaz. vol. 133; p. 22.
 Transformer, High-potential. C. H. Thordarson. No. 880,838; Mar. 3; Sp. p. 721; Dr. pp. 151-2; Gaz. vol. 133; p. 122.
 Transformer, Multiple-ratio. C. L. Fortescue. No. 879,252; Feb. 18; Sp. p. 2782; Dr. p. 583; Gaz. vol. 132; p. 1366.
 Transformer-regulator. W. H. Thompson. No. 889,989; June 9; Sp. p. 1585; Dr. p. 355; Gaz. vol. 134; p. 1340.
 Transformer, Variable-voltage. E. F. Gehrkens. No. 890,638; June 16; Sp. p. 2934; Dr. p. 643; Gaz. vol. 134; p. 1586.
 Transformer, Variable-voltage. M. O. Troy. No. 890,730; June 16; Sp. p. 3130; Dr. p. 685; Gaz. vol. 134; p. 1616.
 Transformer, Variable-voltage. M. O. Troy. No. 895,914; Aug. 11; Sp. p. 2270; Dr. pp. 484-5; Gaz. vol. 135; p. 1292.
 Transformers, Coil-support for electric. H. C. Soule. No. 885,800; Apr. 28; Sp. p. 4397; Dr. p. 920; Gaz. vol. 133; p. 1973.
 Transformers, Cooling system for. K. C. Randall. No. 886,246; Apr. 28; Sp. p. 5273; Dr. pp. 1110-11; Gaz. vol. 133; p. 2120.
 Transit-head. A. C. Young. No. 879,605; Feb. 18; Sp. p. 3533; Dr. pp. 740-1; Gaz. vol. 132; p. 1481.
 Transmission device. A. P. Fischer. No. 887,781; May 19; Sp. p. 2944; Dr. pp. 619-20; Gaz. vol. 134; p. 534.
 Transmission mechanism. O. S. Beyer. No. 877,461; Jan. 28; Sp. p. 3675; Dr. p. 797; Gaz. vol. 132; p. 687.
 Transmission mechanism. L. E. Mahout. No. 887,001; May 5; Sp. p. 1316; Dr. p. 277; Gaz. vol. 134; p. 218.
 Transmission mechanism. O. W. Davis. No. 888,594; May 26; Sp. p. 4545; Dr. pp. 963-4; Gaz. vol. 134; p. 832.
 Transmission mechanism. O. W. Davis. No. 889,181; May 26; Sp. p. 5773; Dr. pp. 1223-4; Gaz. vol. 134; p. 1022.
 Transmission mechanism. C. S. Batdorf. No. 894,251; July 28; Sp. p. 3918; Dr. pp. 110-11; Gaz. vol. 135; p. 694.
 Transmission mechanism. C. E. Duryea. No. 897,261; Aug. 25; Sp. p. 5114; Dr. pp. 1067-8; Gaz. vol. 135; p. 1780.
 Transmission mechanism. A. F. Wilson, E. L. and J. M. Southwick. No. 898,025; Sept. 8; Sp. p. 1633; Dr. p. 348; Gaz. vol. 136; p. 287.
 Transmission mechanism. A. F. Glaser and J. Olsen. No. 899,526; Sept. 29; Sp. p. 4505; Dr. pp. 966-7; Gaz. vol. 136; p. 866.
 Transmission mechanism. H. Cave. No. 902,856; Nov. 3; Sp. p. 656; Gaz. vol. 137; p. 110.
 Transmission mechanism. R. C. McAtter. No. 907,630; Dec. 22; Sp. p. 4929; Gaz. vol. 137; p. 1890.
 Transmission mechanism. R. E. Northway. No. 908,419; Dec. 29; Sp. p. 6607; Gaz. vol. 137; p. 2185.
 Transmission mechanism, Changeable-gear. J. Dawson. No. 878,778; Feb. 11; Sp. p. 1874; Dr. p. 387; Gaz. vol. 132; p. 1174.
 Transmission mechanism, Mechanical variable. B. E. Scriven and W. C. Smith. No. 890,879; June 16; Sp. p. 3418; Dr. pp. 749-50; Gaz. vol. 134; p. 1665.
 Transmission mechanism, Variable. O. W. Davis. No. 888,876; May 26; Sp. p. 5154; Dr. p. 1096; Gaz. vol. 134; p. 924.
 Transmission system. J. Schlig. No. 907,182; Dec. 22; Sp. p. 3986; Gaz. vol. 137; p. 1740.
 Transmission-tower. D. R. Scholes. No. 876,596; Jan. 14; Sp. p. 1870; Dr. p. 409; Gaz. vol. 132; p. 335.
 Transmitter. S. W. Rothermel. No. 880,044; Feb. 25; Sp. p. 4464; Dr. pp. 937-8; Gaz. vol. 132; p. 1658.
 Transmitter. J. T. Curtis. No. 897,716; Sept. 1; Sp. p. 965; Dr. p. 206; Gaz. vol. 136; p. 155.
 Transmitter. R. M. Hopkins. No. 907,600; Dec. 22; Sp. p. 4854; Gaz. vol. 137; p. 1881.
 Transmitter-bracket. E. S. McLarn. No. 905,907; Dec. 8; Sp. p. 1576; Gaz. vol. 137; p. 1271.
 Transmitter-mouthpieces, Voice-screen for. R. H. Ralston. No. 887,124; May 12; Sp. p. 1563; Dr. p. 331; Gaz. vol. 134; p. 287.
 Transom and shutter operating device. E. P. Webster. No. 889,282; June 2; Sp. p. 177; Dr. p. 44; Gaz. vol. 134; p. 1086.
 Transom-fastener. G. Hayes. No. 893,072; July 14; Sp. p. 1390; Dr. p. 294; Gaz. vol. 135; p. 257.
 Transom-lift. F. B. La Belle. No. 905,887; Dec. 8; Sp. p. 1528; Gaz. vol. 137; p. 1265.
 Transom-lifter. C. C. Hall. No. 880,988; Mar. 3; Sp. p. 1004; Dr. p. 215; Gaz. vol. 133; p. 170.
 Transom-lifters, &c., Swivel or attachment for. W. F. O'Rourke. No. 895,583; Aug. 11; Sp. p. 1616; Dr. p. 340; Gaz. vol. 135; p. 1185.
 Transom-operator. G. H. Lawrence. No. 904,973; Nov. 24; Sp. p. 5028; Gaz. vol. 137; p. 897.
 Transom-operating mechanism. C. F. Harrington. No. 895,013; Aug. 4; Sp. p. 489; Dr. p. 99; Gaz. vol. 135; p. 973.

Alphabetical list of inventions—Continued.

- Transom regulating and securing mechanism. H. Bradley. No. 884,261; Apr. 7; Sp. p. 1215; Dr. p. 255; Gaz. vol. 133; p. 1385.
- Transparencies, Holder for viewing. B. J. Falk. No. 897,728; Sept. 1; Sp. p. 987; Dr. p. 210; Gaz. vol. 136; p. 159.
- Transplanter. T. Gooch. No. 902,070; Oct. 27; Sp. p. 4189; Dr. p. 849; Gaz. vol. 136; p. 1319.
- Transplanting-machine. C. E. and H. N. Dyer. No. 884,139; Apr. 7; Sp. p. 996; Dr. p. 208; Gaz. vol. 133; p. 1345.
- Transportation system. W. C. Carr. No. 899,588; Sept. 29; Sp. p. 4636; Dr. p. 995; Gaz. vol. 136; p. 887.
- Transportation system. W. C. Carr. No. 906,689; Dec. 15; Sp. p. 5041; Gaz. vol. 137; p. 1547.
- Transportation system, Cable-suspension. C. G. Hicks. No. 897,978; Sept. 8; Sp. p. 1532; Dr. p. 326; Gaz. vol. 136; p. 271.
- Transporting apparatus. A. Suess. No. 882,976; Mar. 24; Sp. p. 4944; Dr. pp. 1050-1; Gaz. vol. 133; p. 909.
- Transporting apparatus. C. Krämer. No. 907,819; Dec. 29; Sp. p. 5342; Gaz. vol. 137; p. 1994.
- Transporting appliance and the like. J. R. and J. Temperley and W. Alexander. No. 883,841; Apr. 7; Sp. p. 347; Dr. pp. 67-8; Gaz. vol. 133; p. 1246.
- Transporting-receptacle. C. H. Cronk. No. 890,846; June 16; Sp. p. 3359; Dr. p. 736; Gaz. vol. 134; p. 1655.
- Transporting system. H. G. Brown. No. 886,472; May 5; Sp. p. 262; Dr. pp. 55-6; Gaz. vol. 134; p. 48.
- Trap. See Animal-trap; Ant-trap; Automatic trap; Bait-trap; Bath-tub trap; Bird-trap; Coon and mink trap; Crustacea-trap; Drum-trap; Eel-trap; Expansion-trap; Fish-trap; Fly-trap; Gas-trap; Gasolene-trap; Gopher-trap; Hog-trap; Insect-trap; Mouse-trap; Nest-trap; Pigeon-trap; Pipe-trap; Poultry-trap; Radiator return-trap; Rat-trap; Self-setting trap; Sewer-trap; Steam-trap; Target-trap; Tub-trap; Valve-trap; Water-trap.
- Trap. C. N. Harrington. No. 876,638; Jan. 14; Sp. p. 1977; Dr. p. 430; Gaz. vol. 132; p. 350.
- Trap. H. H. May. No. 877,787; Jan. 28; Sp. p. 4276; Dr. p. 929; Gaz. vol. 132; p. 785.
- Trap. J. W. McEachern. No. 878,987; Feb. 11; Sp. p. 2259; Dr. p. 472; Gaz. vol. 132; p. 1240.
- Trap. B. Schmitt. No. 879,010; Feb. 11; Sp. p. 2305; Dr. pp. 481-2; Gaz. vol. 132; p. 1247.
- Trap. M. H. Olson. No. 879,668; Feb. 18; Sp. p. 3666; Dr. p. 766; Gaz. vol. 132; p. 1502.
- Trap. R. F. Hadley. No. 884,380; Apr. 14; Sp. p. 1449; Dr. p. 309; Gaz. vol. 133; p. 1452.
- Trap. W. B. Eason. No. 885,671; Apr. 21; Sp. p. 4106; Dr. pp. 859-60; Gaz. vol. 133; p. 1901.
- Trap. C. B. Trumble. No. 887,547; May 12; Sp. p. 2480; Dr. p. 523; Gaz. vol. 134; p. 427.
- Trap. P. Ayres. No. 887,570; May 12; Sp. p. 2526; Dr. p. 532; Gaz. vol. 134; p. 436.
- Trap. W. R. Green. No. 888,325; May 19; Sp. p. 3974; Dr. p. 837; Gaz. vol. 134; p. 710.
- Trap. B. F. Brown. No. 891,666; June 23; Sp. p. 5058; Dr. p. 1091; Gaz. vol. 134; p. 1956.
- Trap. F. A. Littlefield. No. 893,529; July 14; Sp. p. 2309; Dr. pp. 484-5; Gaz. vol. 135; p. 405.
- Trap. W. Z. Pierce. No. 897,396; Sept. 1; Sp. p. 321; Dr. p. 67; Gaz. vol. 136; p. 49.
- Trap. A. O. Thompson. No. 901,851; Oct. 20; Sp. p. 3730; Dr. p. 759; Gaz. vol. 136; p. 1717.
- Trap. M. Lawler. No. 903,296; Nov. 10; Sp. p. 1520; Gaz. vol. 137; p. 280.
- Trap. M. Engstrom. No. 904,608; Nov. 24; Sp. p. 4253; Gaz. vol. 137; p. 775.
- Trap. B. A. Martinson. No. 904,706; Nov. 24; Sp. p. 4461; Gaz. vol. 137; p. 809.
- Trap-door. L. J. Berg. No. 883,443; Mar. 31; Sp. p. 5922; Dr. p. 1264; Gaz. vol. 133; p. 1092.
- Trap-door. W. O. McCain. No. 884,192; Apr. 7; Sp. p. 1094; Dr. pp. 228-9; Gaz. vol. 133; p. 1362.
- Trap-door attachment. J. Pishek. No. 892,080; June 30; Sp. p. 5874; Dr. p. 1264; Gaz. vol. 134; p. 2122.
- Trap-door-operating mechanism. L. J. Berg. No. 899,443; Sept. 22; Sp. p. 4323; Dr. p. 929; Gaz. vol. 136; p. 801.
- Trap-fitting, Combination. H. L. Parker and A. E. Cobb. No. 904,082; Nov. 17; Sp. p. 3141; Gaz. vol. 137; p. 570.
- Trap for basins, sinks, &c. R. C. McCaffrey. No. 880,156; Feb. 25; Sp. p. 4680; Dr. p. 985; Gaz. vol. 132; p. 1694.
- Trap-nest and poultry-coop, Combined. C. Weeks. No. 894,765; July 28; Sp. p. 4938; Dr. pp. 1029-30; Gaz. vol. 135; p. 862.
- Trap-setting device, Animal-. F. F. Ellis. No. 898,731; Sept. 15; Sp. p. 2992; Dr. p. 642; Gaz. vol. 136; p. 544.
- Trap, waste, and overflow, Combined. J. P. Heeney. No. 903,569; Nov. 10; Sp. p. 2073; Gaz. vol. 137; p. 371.
- Traveling-bag. M. S. Ellis. No. 887,230; May 12; Sp. p. 1794; Dr. p. 377; Gaz. vol. 134; p. 323.
- Traveling carrier, Overhead. G. H. Downs. No. 904,119; Nov. 17; Sp. p. 3210; Gaz. vol. 137; p. 583.
- Traveling-case. W. Mable. No. 885,553; Apr. 28; Sp. p. 4499; Dr. p. 945; Gaz. vol. 133; p. 1691.
- Traveling-case. A. Gray. No. 896,520; Aug. 18; Sp. p. 3494; Dr. p. 750; Gaz. vol. 135; p. 1513.
- Traveling-grate furnace. H. A. Poppenhusen. No. 896,410; Aug. 18; Sp. p. 3251; Dr. p. 696; Gaz. vol. 135; p. 1474.
- Traveling-grate furnace. J. Harrington. No. 898,101; Sept. 8; Sp. p. 1773; Dr. pp. 376-7; Gaz. vol. 136; p. 310.
- Traveling-grate furnace. J. Harrington. No. 898,468; Sept. 15; Sp. p. 2481; Dr. p. 531; Gaz. vol. 136; p. 459.
- Traveling mechanism, Rapid-. E. A. Müller. No. 882,074; Mar. 17; Sp. p. 3199; Dr. p. 680; Gaz. vol. 133; p. 582.
- Tray. L. A. Winchell. No. 896,185; Aug. 18; Sp. p. 2778; Dr. p. 598; Gaz. vol. 135; p. 1399.
- Tray. O. Hebestreit. No. 901,444; Oct. 20; Sp. p. 2899; Dr. p. 590; Gaz. vol. 136; p. 1586.
- Tray. O. Hebestreit. No. 903,377; Nov. 10; Sp. p. 1675; Gaz. vol. 137; p. 307.
- Tray and bag, Combined extension-. W. Schweitzer and H. H. Labadie. No. 906,568; Dec. 15; Sp. p. 2811; Gaz. vol. 137; p. 1510.
- Tray-handle. H. Seward. No. 908,042; Dec. 29; Sp. p. 5804; Gaz. vol. 137; p. 2055.
- Tray, Instrument-. C. F. Booth. No. 896,432; Aug. 18; Sp. p. 3291; Dr. p. 708; Gaz. vol. 135; p. 1481.
- Tray or truck, Portable. A. C. McNeven. No. 886,537; Mar. 3; Sp. p. 382; Dr. p. 80; Gaz. vol. 134; p. 70.
- Tray, Sectional. J. B. Norris. No. 886,324; Apr. 28; Sp. p. 5448; Dr. p. 1143; Gaz. vol. 133; p. 2148.
- Tray, Sectional stacked letter-. G. and O. D. Collis. No. 833,736; July 21; Sp. p. 2938; Dr. p. 601; Gaz. vol. 135; p. 521.
- Tray, Serving-. O. Heise. No. 890,646; June 16; Sp. p. 2943; Dr. pp. 645-6; Gaz. vol. 134; p. 1559.
- Tray-tool. E. Ekstrom. No. 896,813; Aug. 25; Sp. p. 4070; Dr. p. 375; Gaz. vol. 135; p. 1628.
- Tread, Non-slipping. E. E. Schachner. No. 893,193; July 14; Sp. p. 1844; Dr. pp. 346-7; Gaz. vol. 135; p. 297.
- Tread-power. O. P. Welding. No. 877,388; Jan. 21; Sp. p. 3491; Dr. pp. 757-8; Gaz. vol. 132; p. 636.
- Tread-surface. R. G. Chase. No. 890,862; Mar. 3; Sp. p. 77; Dr. p. 165; Gaz. vol. 133; p. 130.
- Treadle. C. E. Lovett and M. E. Coe. No. 887,672; May 12; Sp. p. 2714; Dr. p. 574; Gaz. vol. 134; p. 468.
- Treating materials by the action of air or other gases. J. E. Greenwalt. No. 904,060; Nov. 17; Sp. p. 3098; Gaz. vol. 137; p. 562.
- Tree. See Artificial tree; Corn-tree; Meat-tree; Shoe-tree; Truss-braced tree.
- Tree branches together, Means for tying. J. A. J. and M. L. Davey. No. 890,967; June 16; Sp. p. 3029; Dr. p. 790; Gaz. vol. 134; p. 1695.
- Tree-holder. F. Rauch. No. 883,235; Mar. 31; Sp. p. 5473; Dr. p. 1166; Gaz. vol. 133; p. 1024.
- Tree-transplanter. D. N. Santinier. No. 903,787; Nov. 10; Sp. p. 2509; Gaz. vol. 137; p. 438.
- Tree, Treating and dressing a bruise or wound in the trunk or live branch of a live. J. M. L. and J. A. Davey. No. 890,963; June 16; Sp. p. 3631; Dr. p. 790; Gaz. vol. 134; p. 1695.
- Tree-trimmer. H. J. Lawrence. No. 888,022; May 19; Sp. p. 3421; Dr. p. 718; Gaz. vol. 134; p. 614.
- Trees, Machine for stripping leaves from. H. L. Reed. No. 887,519; May 12; Sp. p. 2437; Dr. pp. 513-14; Gaz. vol. 134; p. 418.
- Trellis. L. I. Waite. No. 890,948; June 16; Sp. p. 3583; Dr. p. 781; Gaz. vol. 134; p. 1688.
- Trellis. C. A. Case. No. 905,647; Dec. 1; Sp. p. 1072; Gaz. vol. 137; p. 1155.
- Trellis, Folding. I. A. Brown. No. 905,983; Dec. 8; Sp. p. 1720; Gaz. vol. 137; p. 1294.
- Trellis, Vine-. G. D. Basse. No. 878,494; Feb. 11; Sp. p. 1235; Dr. p. 255; Gaz. vol. 132; p. 1080.
- Tremolo-meter. C. P. Dolan. No. 878,615; Feb. 11; Sp. p. 1504; Dr. p. 818; Gaz. vol. 132; p. 1122.
- Trench-brace. M. R. De France and A. E. Read. No. 886,956; May 5; Sp. p. 1238; Dr. p. 260; Gaz. vol. 134; p. 204.
- Trench-brace. C. P. Astrom. No. 891,897; June 30; Sp. p. 5325; Dr. p. 1193; Gaz. vol. 134; p. 2064.
- Trench-brace. M. R. De France and A. E. Read. No. 898,336; Sept. 8; Sp. p. 2210; Dr. p. 469; Gaz. vol. 136; p. 383.
- Trench-digger carrier. F. R. Batchelder. No. 904,596; Nov. 24; Sp. p. 4231; Gaz. vol. 137; p. 771.
- Trench-digger carrier. F. R. Batchelder. No. 904,597; Nov. 24; Sp. p. 4233; Gaz. vol. 137; p. 771.
- Trench-excavator. G. W. Parsons. No. 906,655; Dec. 15; Sp. p. 2969; Gaz. vol. 137; p. 1536.
- Trenches and rolling soil, Implement for forming. H. Erickson. No. 890,268; June 9; Sp. p. 2187; Dr. p. 480; Gaz. vol. 134; p. 1433.
- Trenches, Device for determining the depths and fixing the grades of. J. J. Fusco. No. 907,329; Dec. 22; Sp. p. 4300; Gaz. vol. 137; p. 1791.
- Trenches in paved streets, Machine for opening. J. M. Hendron. No. 894,269; July 28; Sp. p. 3970; Dr. pp. 818-19; Gaz. vol. 135; p. 701.
- Trenching-tool. E. B. Cahoon. No. 882,027; June 30; Sp. p. 3776; Dr. p. 1243; Gaz. vol. 134; p. 2105.
- Trestle. W. H. Hazard. No. 880,525; Mar. 3; Sp. p. 60; Dr. p. 14; Gaz. vol. 133; p. 14.
- Trestle. M. White. No. 887,500; May 12; Sp. p. 2511; Dr. p. 529; Gaz. vol. 134; p. 432.
- Trestle. G. H. Smyth. No. 906,076; Dec. 8; Sp. p. 1891; Gaz. vol. 137; p. 1324.
- Trestle, Collapsible. P. F. Van Halder. No. 883,494; June 2; Sp. p. 616; Dr. p. 144; Gaz. vol. 134; p. 1155.
- Trichlorindigo and making same. G. Engi and H. Kraft. No. 899,863; Sept. 29; Sp. p. 5230; Gaz. vol. 136; p. 977.
- Trick-knife. W. E. Dillard. No. 878,509; Feb. 11; Sp. p. 1316; Dr. p. 206; Gaz. vol. 132; p. 1085.
- Trick-pipe. F. I. Judson. No. 883,717; Apr. 7; Sp. p. 80; Dr. p. 12; Gaz. vol. 133; p. 1205.
- Tricycle. N. Larson. No. 881,898; Mar. 10; Sp. p. 2608; Dr. p. 560; Gaz. vol. 133; p. 465.
- Trigger. J. C. Lodor. No. 879,185; Feb. 18; Sp. p. 2061; Dr. p. 553; Gaz. vol. 132; p. 1345.
- Trigger mechanism. E. F. Hedrick. No. 906,419; Dec. 8; Sp. p. 2331; Gaz. vol. 137; p. 1435.
- Trimmer. See Edge-trimmer; Hedge-trimmer; Lawn-trimmer; Lawn-edge trimmer; Linotype-slug trimmer; Load-trimmer; Mica-trimmer; Pie-trimmer; Shade-trimmer; Sod-trimmer; Sole-edge trimmer; Tree-trimmer.
- Trimmer. J. E. O'Hearne. No. 888,645; May 26; Sp. p. 4652; Dr. p. 987; Gaz. vol. 134; p. 849.

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- Trimming and skiving machines, Feed-guide for. C. S. Pierce. No. 880,038; Feb. 25; Sp. p. 4456; Dr. p. 935; Gaz. vol. 132; p. 1657.
- Trimming-cutter. J. M. Merrow. No. 907,617; Dec. 22; Sp. p. 4909; Gaz. vol. 137; p. 1886.
- Trimming-machine. J. R. Welch. No. 881,213; Mar. 10; Sp. p. 1435; Dr. pp. 309-10; Gaz. vol. 133; p. 272.
- Tripod. G. A. Beilfuss. No. 880,063; Feb. 25; Sp. p. 4502; Dr. p. 946; Gaz. vol. 132; p. 1664.
- Tripod. C. N. Leonard. No. 894,672; July 28; Sp. p. 4780; Dr. p. 992; Gaz. vol. 135; p. 833.
- Tripod. H. J. C. Jessen. No. 898,374; Sept. 8; Sp. p. 2283; Dr. p. 486; Gaz. vol. 136; p. 397.
- Trolley. J. H. Kroen. No. 876,722; Jan. 14; Sp. p. 2124; Dr. p. 466; Gaz. vol. 132; p. 376.
- Trolley. A. W. Huhsmann. No. 877,844; Jan. 28; Sp. p. 4381; Dr. p. 953; Gaz. vol. 132; p. 804.
- Trolley. J. E. Saucier. No. 877,953; Feb. 4; Sp. p. 113; Dr. p. 26; Gaz. vol. 132; p. 868.
- Trolley. G. H. Gross. No. 880,021; Feb. 25; Sp. p. 4406; Dr. p. 926; Gaz. vol. 132; p. 1651.
- Trolley. C. Harkness. No. 881,470; Mar. 10; Sp. p. 1954; Dr. p. 423; Gaz. vol. 133; p. 355.
- Trolley. F. E. Brazeal. No. 882,450; Mar. 17; Sp. p. 3887; Dr. p. 831; Gaz. vol. 133; p. 703.
- Trolley. H. C. Reynolds. No. 882,966; Mar. 24; Sp. p. 4928; Dr. p. 1046; Gaz. vol. 133; p. 906.
- Trolley. L. C. W. Mitchell and J. A. Fretz. No. 884,750; Apr. 14; Sp. p. 2225; Dr. p. 470; Gaz. vol. 133; p. 1574.
- Trolley. E. Cameron. No. 885,002; Apr. 14; Sp. p. 2714; Dr. p. 575; Gaz. vol. 133; p. 1652.
- Trolley. J. Shepherd. No. 886,880; May 5; Sp. p. 1095; Dr. p. 229; Gaz. vol. 134; p. 180.
- Trolley. C. M. Whitcomb. No. 888,677; May 26; Sp. p. 4735; Dr. p. 1006; Gaz. vol. 134; p. 860.
- Trolley. A. S. Janin. No. 889,015; May 26; Sp. p. 5422; Dr. p. 1152; Gaz. vol. 134; p. 968.
- Trolley. E. D. Peerstone. No. 889,715; June 2; Sp. p. 1035; Dr. pp. 239-40; Gaz. vol. 134; p. 1225.
- Trolley. S. D. Hunt. No. 890,058; June 9; Sp. p. 1737; Dr. pp. 384-5; Gaz. vol. 134; p. 1365.
- Trolley. J. C. Wilkins. No. 891,123; June 16; Sp. p. 3897; Dr. p. 853; Gaz. vol. 134; p. 1743.
- Trolley. A. Molnar. No. 891,712; June 23; Sp. p. 5142; Dr. p. 1111; Gaz. vol. 134; p. 1971.
- Trolley. L. W. Campbell. No. 895,339; Aug. 4; Sp. p. 1133; Dr. p. 238; Gaz. vol. 135; p. 1082.
- Trolley. F. L. Sessions. No. 895,806; Aug. 11; Sp. p. 2073; Dr. p. 439; Gaz. vol. 135; p. 1257.
- Trolley. A. S. Janin. No. 895,864; Aug. 11; Sp. p. 2183; Dr. pp. 464-5; Gaz. vol. 135; p. 1276.
- Trolley. C. Olberg. No. 906,552; Dec. 15; Sp. p. 2785; Gaz. vol. 137; p. 1505.
- Trolley. F. C. Bauer, Sr., and F. C. Bauer, Jr. No. 906,994; Dec. 15; Sp. p. 3617; Gaz. vol. 137; p. 1643.
- Trolley. J. Franklin. No. 907,984; Dec. 29; Sp. p. 5682; Gaz. vol. 137; p. 2037.
- Trolley and telegraph pole, Combination. J. Hackett. No. 904,952; Nov. 24; Sp. p. 4991; Gaz. vol. 137; p. 890.
- Trolley-base. C. M. Stokes and W. F. Ensor. No. 894,760; July 28; Sp. p. 4930; Dr. p. 1027; Gaz. vol. 135; p. 860.
- Trolley-brush. G. Heineman. No. 878,062; Feb. 4; Sp. p. 343; Dr. p. 71; Gaz. vol. 132; p. 904.
- Trolley-catcher. W. C. Burdon. No. 888,418; May 19; Sp. p. 4183; Dr. p. 886; Gaz. vol. 134; p. 741.
- Trolley-catcher. G. Gessert. No. 895,251; Aug. 4; Sp. p. 964; Dr. p. 202; Gaz. vol. 135; p. 1053.
- Trolley-catcher. M. G. Delaney. No. 897,273; Sept. 1; Sp. p. 22; Dr. p. 6; Gaz. vol. 136; p. 6.
- Trolley catcher and retriever. F. J. Gustine. No. 879,257; Feb. 18; Sp. p. 2797; Dr. p. 586; Gaz. vol. 132; p. 1368.
- Trolley catcher and retriever. R. Shields. No. 889,264; June 2; Sp. p. 137; Dr. p. 34; Gaz. vol. 134; p. 1081.
- Trolley-contact. L. A. Hawkins. No. 894,637; July 28; Sp. p. 4707; Dr. p. 977; Gaz. vol. 135; p. 821.
- Trolley-contact. A. R. K. Lauder. No. 906,035; Dec. 8; Sp. p. 1819; Gaz. vol. 137; p. 1312.
- Trolley cut-out. C. C. Phillips. No. 906,279; Dec. 8; Sp. p. 2278; Gaz. vol. 137; p. 1391.
- Trolley device. F. A. Robbins. No. 906,161; Dec. 8; Sp. p. 2058; Gaz. vol. 137; p. 1352.
- Trolley. Drop-. T. H. Mars. No. 892,279; June 30; Sp. p. 6269; Dr. pp. 1349-50; Gaz. vol. 134; p. 2190.
- Trolley-car. C. W. Eliot. No. 892,371; June 30; Sp. p. 6434; Dr. p. 1388; Gaz. vol. 134; p. 2218.
- Trolley-car clencher. E. O. Marsh. No. 877,510; Jan. 28; Sp. p. 3744; Dr. p. 811; Gaz. vol. 132; p. 697.
- Trolley. Electric. L. Smith. No. 880,107; Feb. 25; Sp. p. 4575; Dr. p. 964; Gaz. vol. 132; p. 1678.
- Trolley. Electric. J. Young. No. 896,189; Aug. 15; Sp. p. 2792; Dr. p. 601; Gaz. vol. 135; p. 1401.
- Trolley-finder. J. P. Reed. No. 897,402; Sept. 1; Sp. p. 339; Dr. p. 72; Gaz. vol. 136; p. 51.
- Trolley for electric cars and the like. E. J. Dacey. No. 891,410; June 23; Sp. p. 4518; Dr. p. 982; Gaz. vol. 134; p. 1871.
- Trolley-guard. C. W. Sheehan. No. 876,600; Jan. 14; Sp. p. 1880; Dr. p. 411; Gaz. vol. 132; p. 337.
- Trolley-guard. J. E. Saucier. No. 886,645; May 5; Sp. p. 598; Dr. p. 124; Gaz. vol. 134; p. 104.
- Trolley-guard. G. S. Keek. No. 894,212; July 28; Sp. p. 3838; Dr. p. 795; Gaz. vol. 135; p. 682.
- Trolley-guard. C. H. Yarrington. No. 895,321; Aug. 4; Sp. p. 1103; Dr. p. 231; Gaz. vol. 135; p. 1077.
- Trolley-guard. W. D. Lewis. No. 902,420; Oct. 27; Sp. p. 4908; Dr. p. 994; Gaz. vol. 136; p. 1933.
- Trolley guard and guide. C. Latsch. No. 892,272; June 30; Sp. p. 6257; Dr. p. 1346; Gaz. vol. 134; p. 2187.
- Trolley guard and replacer. J. J. Schultz and W. C. Taggart. No. 907,899; Dec. 29; Sp. p. 5505; Gaz. vol. 137; p. 2008.
- Trolley-harp. B. L. Dresser. No. 876,700; Jan. 14; Sp. p. 2093; Dr. p. 455; Gaz. vol. 132; p. 370.
- Trolley-harp. F. M. Mudler. No. 882,833; Mar. 24; Sp. p. 4653; Dr. p. 991; Gaz. vol. 133; p. 862.
- Trolley-harp. E. J. Harrison. No. 883,310; Mar. 31; Sp. p. 5628; Dr. p. 1200; Gaz. vol. 133; p. 1048.
- Trolley-harp. P. C. Bliven. No. 886,176; Apr. 28; Sp. p. 5149; Dr. p. 1083; Gaz. vol. 133; p. 2096.
- Trolley-harp. H. W. Kimes. No. 886,517; May 5; Sp. p. 344; Dr. p. 71; Gaz. vol. 134; p. 64.
- Trolley-harp. J. Pensis. No. 904,359; Nov. 17; Sp. p. 3743; Gaz. vol. 137; p. 666.
- Trolley-harp. T. F. Brennan and T. J. Mullen. No. 908,068; Dec. 29; Sp. p. 5853; Gaz. vol. 137; p. 2064.
- Trolley harp and wheel. E. D. Rockwell. No. 884,684; Apr. 14; Sp. p. 2089; Dr. p. 446; Gaz. vol. 133; p. 1551.
- Trolley-harp attachment. W. F. Savage. No. 883,242; Mar. 31; Sp. p. 5487; Dr. p. 1170; Gaz. vol. 133; p. 1026.
- Trolley-harp washer. H. W. Kimes. No. 907,246; Dec. 22; Sp. p. 4150; Gaz. vol. 137; p. 1763.
- Trolley-harps, Electric contact-spring for. A. L. Cole. No. 961,885; Oct. 20; Sp. p. 3795; Dr. p. 772; Gaz. vol. 136; p. 1729.
- Trolley-head. J. Lemnox. No. 882,153; Mar. 17; Sp. p. 3328; Dr. p. 709; Gaz. vol. 133; p. 606.
- Trolley head and harp. C. E. Marks. No. 904,491; Nov. 17; Sp. p. 4026; Gaz. vol. 137; p. 709.
- Trolley-head mounting. J. J. Bennett. No. 905,784; Dec. 1; Sp. p. 1324; Gaz. vol. 137; p. 1201.
- Trolley-line clamp. A. Caron. No. 886,942; May 5; Sp. p. 1203; Dr. p. 255; Gaz. vol. 134; p. 200.
- Trolley-lines, Automatic switch for. J. Nelson. No. 887,504; May 12; Sp. p. 2406; Dr. p. 507; Gaz. vol. 134; p. 413.
- Trolley mechanism. W. J. Craig. No. 880,976; Mar. 3; Sp. p. 980; Dr. p. 211; Gaz. vol. 133; p. 166.
- Trolley. Overhead. A. F. Lord and N. Wilkins. No. 884,397; Apr. 14; Sp. p. 1476; Dr. p. 316; Gaz. vol. 133; p. 1457.
- Trolley-pole. H. Bouchard. No. 880,963; Mar. 3; Sp. p. 961; Dr. p. 207; Gaz. vol. 133; p. 162.
- Trolley-pole. G. W. Chatmond. No. 888,223; May 19; Sp. p. 3790; Dr. p. 795; Gaz. vol. 134; p. 678.
- Trolley-pole. J. C. Gay. No. 889,220; June 2; Sp. p. 66; Dr. p. 14; Gaz. vol. 134; p. 1068.
- Trolley-pole. L. C. Collins and A. R. Eltom. No. 896,198; Aug. 18; Sp. p. 2807; Dr. p. 605; Gaz. vol. 135; p. 1404.
- Trolley-pole. S. D. Fenimore. No. 903,366; Nov. 10; Sp. p. 1657; Gaz. vol. 137; p. 308.
- Trolley pole and head. A. F. Bauer. No. 884,630; Apr. 14; Sp. p. 1945; Dr. p. 418; Gaz. vol. 133; p. 1533.
- Trolley-pole attachment. K. O. Garner. No. 893,067; July 14; Sp. p. 1382; Dr. p. 292; Gaz. vol. 135; p. 256.
- Trolley-pole attachment. C. Ruggaber. No. 904,363; Nov. 17; Sp. p. 3749; Gaz. vol. 137; p. 667.
- Trolley-pole, Automatic collapsing and reërecting. G. S. Thomson. No. 895,314; Aug. 4; Sp. p. 1096; Dr. p. 230; Gaz. vol. 135; p. 1075.
- Trolley-pole catcher. J. H. Walker. No. 899,578; Sept. 29; Sp. p. 4615; Dr. pp. 991-2; Gaz. vol. 136; p. 883.
- Trolley-pole-clamp attachment. C. W. Clark and C. E. Yingling. No. 884,074; Apr. 7; Sp. p. 815; Dr. p. 172; Gaz. vol. 133; p. 1323.
- Trolley-pole controller. O. A. Ross. No. 876,492; Jan. 14; Sp. p. 1628; Dr. pp. 353-4; Gaz. vol. 132; p. 298.
- Trolley-pole controller. O. A. Ross. No. 877,126; Jan. 21; Sp. p. 2975; Dr. pp. 642-3; Gaz. vol. 132; p. 551.
- Trolley-pole controller. J. J. Coit. No. 879,034; Feb. 11; Sp. p. 2340; Dr. pp. 489-90; Gaz. vol. 132; p. 1253.
- Trolley-pole controller. C. R. Traxler and E. E. Lineback. No. 881,359; Mar. 10; Sp. p. 1729; Dr. p. 372; Gaz. vol. 133; p. 820.
- Trolley-pole for electric vehicles, Reversible and collapsible. J. and R. Lindsay. No. 895,378; Aug. 4; Sp. p. 1197; Dr. p. 252; Gaz. vol. 135; p. 1094.
- Trolley-pole head. G. G. Buchanan. No. 879,729; Feb. 18; Sp. p. 3786; Dr. p. 794; Gaz. vol. 132; p. 1522.
- Trolley-pole head. G. Mott and A. G. Koenig. No. 885,776; Apr. 28; Sp. p. 4338; Dr. p. 909; Gaz. vol. 133; p. 1964.
- Trolley-pole mechanism, Automatically-tripping. T. H. Mars. No. 883,217; Mar. 31; Sp. p. 5430; Dr. p. 1157; Gaz. vol. 133; p. 1018.
- Trolley-pole mount. E. H. Burnes. No. 895,070; Aug. 4; Sp. p. 558; Dr. p. 122; Gaz. vol. 135; p. 991.
- Trolley-pole-retrieving mechanism. M. L. Addington. No. 906,984; Dec. 15; Sp. p. 3594; Gaz. vol. 137; p. 1640.
- Trolley-pole support. J. L. Chase. No. 879,943; Feb. 25; Sp. p. 4258; Dr. p. 890; Gaz. vol. 132; p. 1626.
- Trolley-pulley. E. J. Matthews and R. C. Gruwell. No. 878,653; Feb. 11; Sp. p. 1639; Dr. p. 336; Gaz. vol. 132; p. 1134.
- Trolley-replacer. G. J. Seaman. No. 877,379; Jan. 21; Sp. p. 3475; Dr. p. 755; Gaz. vol. 132; p. 633.
- Trolley-replacer. J. Trout. No. 890,201; June 9; Sp. p. 2020; Dr. p. 445; Gaz. vol. 134; p. 1412.
- Trolley-retriever. R. Phillips. No. 879,582; Feb. 18; Sp. p. 3482; Dr. pp. 729-30; Gaz. vol. 132; p. 1474.
- Trolley-retriever. C. Norland. No. 905,351; Dec. 1; Sp. p. 443; Gaz. vol. 137; p. 1058.
- Trolley-securing device. E. D. Trickey. No. 878,836; Feb. 11; Sp. p. 1977; Dr. p. 410; Gaz. vol. 132; p. 1192.
- Trolley-stand. W. A. Loudon. No. 885,063; Apr. 21; Sp. p. 2852; Dr. p. 606; Gaz. vol. 133; p. 1706.
- Trolley-support. H. G. Farr. No. 895,993; Aug. 11; Sp. p. 2441; Dr. p. 526; Gaz. vol. 135; p. 1318.

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- Trolley support, Aerial-. J. Bryan, H. Etheridge, and E. M. Balsinger. No. 899,859; Sept. 29; Sp. p. 5220; Dr. p. 1117; Gaz. vol. 136; p. 975.
- Trolley-switch. E. Cameron. No. 885,000; Apr. 14; Sp. p. 2711; Dr. pp. 574-5; Gaz. vol. 133; p. 1651.
- Trolley-switch. B. G. Watkins. No. 899,773; Sept. 29; Sp. p. 5025; Dr. pp. 1077-8; Gaz. vol. 136; p. 947.
- Trolley-switch. A. Palmros. No. 908,031; Dec. 29; Sp. p. 5784; Gaz. vol. 137; p. 2052.
- Trolley-track. T. C. Prouty. No. 891,369; June 23; Sp. p. 4430; Dr. p. 964; Gaz. vol. 134; p. 1857.
- Trolley track-support, Overhead-. E. Cameron. No. 885,001; Apr. 14; Sp. p. 2713; Dr. p. 575; Gaz. vol. 133; p. 1651.
- Trolley-wheel. J. T. Misher. No. 878,656; Feb. 11; Sp. p. 1642; Dr. p. 337; Gaz. vol. 132; p. 1135.
- Trolley-wheel. J. M. Siegrist. No. 879,593; Feb. 18; Sp. p. 3514; Dr. p. 736; Gaz. vol. 132; p. 1478.
- Trolley-wheel. E. J. Harrison. No. 879,636; Feb. 18; Sp. p. 3597; Dr. p. 752; Gaz. vol. 132; p. 1491.
- Trolley-wheel. D. D. Grant. No. 882,753; Mar. 24; Sp. p. 4499; Dr. p. 958; Gaz. vol. 133; p. 836.
- Trolley-wheel. F. G. Walker. No. 884,546; Apr. 14; Sp. p. 1780; Dr. p. 383; Gaz. vol. 133; p. 1506.
- Trolley-wheel. W. W. Neighbour. No. 886,239; Apr. 28; Sp. p. 5260; Dr. p. 1108; Gaz. vol. 133; p. 2117.
- Trolley-wheel. F. M. Gass. No. 888,993; May 26; Sp. p. 5389; Dr. p. 1144; Gaz. vol. 134; p. 961.
- Trolley-wheel. R. F. Henne. No. 889,463; June 2; Sp. p. 553; Dr. p. 130; Gaz. vol. 134; p. 1146.
- Trolley-wheel. T. Langen. No. 890,664; June 16; Sp. p. 2981; Dr. p. 653; Gaz. vol. 134; p. 1595.
- Trolley-wheel. R. P. Stark and C. R. Klingensmith. No. 892,016; June 30; Sp. p. 5762; Dr. p. 1239; Gaz. vol. 134; p. 2102.
- Trolley-wheel. G. C. Bourdreaux. No. 892,355; June 30; Sp. p. 6403; Dr. p. 1382; Gaz. vol. 134; p. 2213.
- Trolley-wheel. E. P. Sharp. No. 897,667; Sept. 1; Sp. p. 869; Dr. p. 186; Gaz. vol. 136; p. 133.
- Trolley-wheel. J. W. Seibert. No. 899,474; Sept. 22; Sp. p. 4380; Dr. p. 940; Gaz. vol. 136; p. 811.
- Trolley-wheel. L. J. Tetlow. No. 902,628; Nov. 3; Sp. p. 192; Gaz. vol. 137; p. 32.
- Trolley-wheel. E. J. and D. R. Fredericks. No. 903,698; Nov. 10; Sp. p. 2332; Gaz. vol. 137; p. 409.
- Trolley-wheel. C. F. Black. No. 907,561; Dec. 22; Sp. p. 4746; Gaz. vol. 137; p. 1867.
- Trolley-wheel. C. M. Bradfield. No. 907,726; Dec. 29; Sp. p. 5150; Gaz. vol. 137; p. 1952.
- Trolley wheel and harp, Ball-bearing. S. Tully, Jr. No. 902,781; Nov. 3; Sp. p. 475; Gaz. vol. 137; p. 83.
- Trolley-wheel and sleet-cutter, Combined. E. M. Schollenberger. No. 882,717; Mar. 24; Sp. p. 4426; Dr. p. 940; Gaz. vol. 133; p. 824.
- Trolley-wheel bearing. W. M. Caswell and J. A. Schofield. No. 901,878; Oct. 20; Sp. p. 3779; Dr. p. 768; Gaz. vol. 136; p. 1726.
- Trolley-wheel for electric cars. G. C. Stratton. No. 887,439; May 12; Sp. p. 2266; Dr. p. 474; Gaz. vol. 134; p. 392.
- Trolley-wheel-placing device. H. G. Husted. No. 881,587; Mar. 10; Sp. p. 2176; Dr. p. 474; Gaz. vol. 133; p. 395.
- Trolley-wheel, Roller-bearing. W. L. Cooksey. No. 897,063; Aug. 25; Sp. p. 4632; Dr. p. 986; Gaz. vol. 135; p. 1713.
- Trolley-wheel safety-guard. F. J. Nolan. No. 901,027; Oct. 13; Sp. p. 2027; Dr. p. 411; Gaz. vol. 136; p. 1414.
- Trolley-wheel, Self-lubricating. H. G. Farr. No. 877,558; Jan. 28; Sp. p. 3856; Dr. p. 834; Gaz. vol. 132; p. 713.
- Trolley-wheel spring. R. E. Noble. No. 880,395; Feb. 25; Sp. p. 5156; Dr. p. 1088; Gaz. vol. 132; p. 1773.
- Trolley-wheel support. J. H. Gross. No. 890,421; June 9; Sp. p. 2471; Dr. p. 547; Gaz. vol. 134; p. 1482.
- Trolley-wheel to the wire, Means for automatically restoring a. C. F. Mehl. No. 896,225; Aug. 18; Sp. p. 2866; Dr. p. 618; Gaz. vol. 135; p. 1415.
- Trolley-wheels and electric signal for the same, Restoring attachment for. G. H. Brooks. No. 882,139; Mar. 17; Sp. p. 3304; Dr. p. 705; Gaz. vol. 133; p. 602.
- Trolley-wheels from jumping, Device to prevent. W. O. Lane. No. 898,485; Sept. 15; Sp. p. 2513; Dr. p. 538; Gaz. vol. 136; p. 465.
- Trolley-wheels from jumping, Device to prevent. W. O. Lane. No. 904,541; Nov. 24; Sp. p. 4130; Gaz. vol. 137; p. 753.
- Trolley-wheels, Wire-retrieving attachment for. W. C. Aithen. No. 877,877; Jan. 28; Sp. p. 4442; Dr. p. 968; Gaz. vol. 132; p. 814.
- Trolley-wire anchor. A. McIsaac. No. 901,816; Oct. 20; Sp. p. 3676; Dr. p. 746; Gaz. vol. 136; p. 1707.
- Trolley-wire crossing, Overhead. R. C. McKilgiet. No. 892,874; July 7; Sp. p. 959; Dr. p. 202; Gaz. vol. 135; p. 161.
- Trolley-wire finder. F. Gundorph. No. 880,655; Mar. 3; Sp. p. 337; Dr. p. 73; Gaz. vol. 133; p. 59.
- Trolley-wire hanger. J. Bryan and H. Etheridge. No. 899,858; Sept. 29; Sp. p. 5219; Dr. p. 1117; Gaz. vol. 136; p. 975.
- Trolley-wire hanger. W. H. Arnold. No. 905,976; Dec. 8; Sp. p. 1694; Gaz. vol. 137; p. 1292.
- Trolley-wire splicer. H. G. Dyer. No. 889,776; June 2; Sp. p. 1142; Dr. p. 265; Gaz. vol. 134; p. 1243.
- Trolley-wire-supporting device for bascule-bridges. J. B. Strauss. No. 887,868; May 19; Sp. p. 3121; Dr. p. 655; Gaz. vol. 134; p. 564.
- Trolley-wires or other conductors carrying currents of high voltage, Suspension device for. G. A. Mead. No. 901,981; Oct. 27; Sp. p. 4019; Dr. p. 816; Gaz. vol. 136; p. 1791.
- Trolleys, Mechanism for locking. E. Y. Moore. No. 878,484; Feb. 4; Sp. p. 1208; Dr. p. 249; Gaz. vol. 132; p. 1044.
- Trolling-spoon. F. S. Sams. No. 888,935; May 26; Sp. p. 5277; Dr. p. 1119; Gaz. vol. 134; p. 944.
- Trough; See Crayon-trough; Drinking-trough; Eaves-trough; Feed-trough; Feeding-trough; Kneading-trough; Poultry-trough; Salt-trough; Watering-trough.
- Trough, Stock-. H. J. Drake and E. E. Hall. No. 906,396; Dec. 8; Sp. p. 2490; Gaz. vol. 137; p. 1428.
- Trousers. A. G. Peine. No. 890,792; June 16; Sp. p. 3262; Dr. p. 714; Gaz. vol. 134; p. 1638.
- Trousers. F. Sabbatani. No. 902,668; Nov. 3; Sp. p. 302; Gaz. vol. 137; p. 52.
- Trousers and drawers supporter. W. H. Germann. No. 897,976; Sept. 8; Sp. p. 1529; Dr. p. 325; Gaz. vol. 136; p. 271.
- Trousers, belts, &c., Stretcher for. J. M. Blackburn. No. 879,028; Feb. 11; Sp. p. 2330; Dr. p. 488; Gaz. vol. 132; p. 1252.
- Trousers-creaser. C. D. Fahl. No. 898,216; June 2; Sp. p. 61; Dr. p. 13; Gaz. vol. 134; p. 1066.
- Trousers-creaser. C. D. Fahl. No. 902,808; Nov. 3; Sp. p. 527; Gaz. vol. 137; p. 92.
- Trousers-holder. E. Rohde. No. 886,642; May 5; Sp. p. 592; Dr. p. 123; Gaz. vol. 134; p. 103.
- Trousers-stretcher. M. B. Jackson. No. 889,014; May 26; Sp. p. 5421; Dr. p. 1152; Gaz. vol. 134; p. 968.
- Trousers-stretcher. G. R. Smith. No. 889,821; June 2; Sp. p. 1228; Dr. p. 284; Gaz. vol. 134; p. 1258.
- Trousers-stretcher. R. C. Mitchell. No. 903,602; Nov. 10; Sp. p. 2145; Gaz. vol. 137; p. 381.
- Trousers stretching and pressing device. C. A. Beal. No. 887,751; May 19; Sp. p. 2880; Dr. p. 607; Gaz. vol. 134; p. 524.
- Trousers-supporter. W. A. Payne. No. 892,446; July 7; Sp. p. 1113; Dr. p. 25; Gaz. vol. 135; p. 23.
- Trowel or float, Plasterer's. G. H. Bishop. No. 899,653; Sept. 29; Sp. p. 4773; Dr. p. 1021; Gaz. vol. 136; p. 907.
- Truck. A. M. Teal. No. 872,867; Jan. 7; Sp. p. 352; Dr. p. 78; Gaz. vol. 132; p. 65.
- Truck. J. Schreiber. No. 878,751; Feb. 11; Sp. p. 1813; Dr. p. 375; Gaz. vol. 132; p. 1165.
- Truck. J. F. De Long. No. 880,015; Feb. 25; Sp. p. 4396; Dr. p. 923; Gaz. vol. 132; p. 1649.
- Truck. S. K. Knut. No. 881,008; Mar. 3; Sp. p. 1039; Dr. p. 225; Gaz. vol. 133; p. 177.
- Truck. S. A. Wilson. No. 886,284; Apr. 28; Sp. p. 5355; Dr. p. 1126; Gaz. vol. 133; p. 2134.
- Truck. O. C. Hopkins. No. 887,195; May 12; Sp. p. 1681; Dr. pp. 357-8; Gaz. vol. 134; p. 308.
- Truck. H. J. vom Scheidt. No. 897,853; Sept. 1; Sp. p. 1243; Dr. p. 266; Gaz. vol. 136; p. 197.
- Truck. R. W. Oswald. No. 899,797; Sept. 29; Sp. p. 5090; Dr. p. 1089; Gaz. vol. 136; p. 955.
- Truck. B. S. Gillum. No. 901,532; Oct. 20; Sp. p. 3081; Dr. pp. 629-30; Gaz. vol. 136; p. 1615.
- Truck. F. C. Scherping. No. 903,890; Nov. 17; Sp. p. 2743; Gaz. vol. 137; p. 506.
- Truck. B. Scott. No. 905,938; Dec. 8; Sp. p. 1630; Gaz. vol. 137; p. 1281.
- Truck. F. T. Gracey. No. 907,035; Dec. 15; Sp. p. 3689; Gaz. vol. 137; p. 1657.
- Truck. W. F. Rachal. No. 908,327; Dec. 29; Sp. p. 6412; Gaz. vol. 137; p. 2153.
- Truck and jack, Combined. J. M. Smith. No. 885,302; Apr. 21; Sp. p. 3362; Dr. p. 703; Gaz. vol. 133; p. 1785.
- Truck and supporting-stand, Combined. C. Rawlinson. No. 892,083; June 30; Sp. p. 5878; Dr. p. 1265; Gaz. vol. 134; p. 2123.
- Truck, Barrel-. M. Bixel. No. 877,267; Jan. 21; Sp. p. 3300; Dr. p. 714; Gaz. vol. 132; p. 604.
- Truck, Barrel-. O. P. Schriver and J. M. Webster. No. 879,914; Feb. 25; Sp. p. 4207; Dr. p. 878; Gaz. vol. 132; p. 1617.
- Truck, Bogie-. J. H. Kelderling. No. 890,064; June 9; Sp. p. 1745; Dr. pp. 386-7; Gaz. vol. 134; p. 1337.
- Truck-bolster. A. S. Blanchard and H. M. Foote. No. 881,220; Mar. 16; Sp. p. 1449; Dr. p. 813; Gaz. vol. 133; p. 275.
- Truck-bolster hanger. W. G. Price. No. 881,949; Mar. 17; Sp. p. 2931; Dr. p. 625; Gaz. vol. 133; p. 541.
- Truck-bolster side bearing. M. Carr. No. 907,005; Dec. 15; Sp. p. 3632; Gaz. vol. 137; p. 1647.
- Truck, Brick-. H. H. Walsh. No. 907,923; Dec. 29; Sp. p. 5552; Gaz. vol. 137; p. 2016.
- Truck, Car-. G. G. Floyd. No. 877,185; Jan. 21; Sp. p. 3101; Dr. p. 671; Gaz. vol. 132; p. 570.
- Truck, Car-. F. C. Stevens. No. 880,833; Mar. 3; Sp. p. 711; Dr. p. 150; Gaz. vol. 133; p. 120.
- Truck, Car-. A. E. Ostrander. No. 881,612; Mar. 10; Sp. p. 2234; Dr. pp. 486-7; Gaz. vol. 133; p. 404.
- Truck, Car-. T. H. Curtis. No. 882,236; Mar. 17; Sp. p. 3501; Dr. p. 743; Gaz. vol. 133; p. 631.
- Truck, Car-. T. H. Curtis. No. 883,863; Apr. 7; Sp. p. 393; Dr. p. 76; Gaz. vol. 133; p. 1253.
- Truck, Car-. F. M. Whyte. No. 885,818; Apr. 28; Sp. p. 4430; Dr. pp. 930-1; Gaz. vol. 133; p. 1980.
- Truck, Car-. J. Murphy. No. 888,640; May 26; Sp. p. 4646; Dr. p. 986; Gaz. vol. 134; p. 847.
- Truck, Car-. E. H. Haver. No. 889,602; June 2; Sp. p. 812; Dr. p. 185; Gaz. vol. 134; p. 1189.
- Truck, Car-. H. C. Buhoup. No. 891,402; June 23; Sp. p. 4503; Dr. p. 980; Gaz. vol. 134; p. 1869.
- Truck, Car-. E. Peekham. No. 894,342; July 28; Sp. p. 4113; Dr. p. 849; Gaz. vol. 135; p. 725.
- Truck, Car-. S. P. Bush. No. 895,157; Aug. 4; Sp. p. 756; Dr. p. 158; Gaz. vol. 135; p. 1020.
- Truck, Car-. W. C. Mayo. No. 896,741; Aug. 25; Sp. p. 3911; Dr. p. 843; Gaz. vol. 135; p. 1602.
- Truck, Car-. R. E. Frame. No. 897,281; Sept. 1; Sp. p. 32; Dr. p. 8; Gaz. vol. 136; p. 8.

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 Truck, Car-. C. H. Howard and H. M. Pfleger. No. 899,401; Sept. 22; Sp. p. 4251; Dr. p. 912; Gaz. vol. 136; p. 788.
 Truck, Car-. W. H. Miller. No. 899,674; Sept. 29; Sp. p. 4816; Dr. pp. 1030-1; Gaz. vol. 136; p. 913.
 Truck, Car-. R. Smith and P. Christensen. No. 901,393; Oct. 20; Sp. p. 2781; Dr. pp. 505-6; Gaz. vol. 136; p. 1569.
 Truck, Car-. J. F. Batchelder. No. 901,944; Oct. 27; Sp. p. 3924; Dr. p. 800; Gaz. vol. 136; p. 1779.
 Truck, Car-. J. G. Sarvent. No. 902,172; Oct. 27; Sp. p. 4393; Dr. pp. 890-1; Gaz. vol. 136; p. 1851.
 Truck, Car-. C. H. Howard and H. M. Pfleger. No. 903,191; Nov. 10; Sp. p. 1311; Gaz. vol. 137; p. 245.
 Truck, Car-. E. H. Benners. No. 904,670; Nov. 24; Sp. p. 4388; Gaz. vol. 137; p. 797.
 Truck, Car-. G. Rovy. No. 907,528; Dec. 22; Sp. p. 4693; Gaz. vol. 137; p. 1857.
 Truck, Car-. H. W. Wolff. No. 907,934; Dec. 29; Sp. p. 5575; Gaz. vol. 137; p. 2020.
 Truck, Cast-steel. W. E. Symons. No. 877,014; Jan. 21; Sp. p. 2742; Dr. p. 594; Gaz. vol. 132; p. 513.
 Truck clamp, Soap-. F. H. Hotchkiss. No. 893,926; July 21; Sp. p. 3223; Dr. p. 664; Gaz. vol. 135; p. 567.
 Truck column-guide and bolster construction, Car-. G. G. Floyd and C. F. Murray. No. 895,737; Aug. 11; Sp. p. 1929; Dr. pp. 408-9; Gaz. vol. 135; p. 1236.
 Truck, Combination-. E. Willer. No. 895,319; Aug. 4; Sp. p. 1101; Dr. p. 231; Gaz. vol. 135; p. 1076.
 Truck, Combined drag and carrier-. T. K. Barley. No. 896,266; Aug. 18; Sp. p. 2941; Dr. p. 634; Gaz. vol. 135; p. 1428.
 Truck, Disk. W. B. Christian. No. 892,364; June 30; Sp. p. 6424; Dr. p. 1386; Gaz. vol. 134; p. 2216.
 Truck, Electric-car. F. F. Stowe. No. 902,017; Oct. 27; Sp. p. 4088; Dr. pp. 829-30; Gaz. vol. 136; p. 1802.
 Truck, Electrically-operated baggage-. T. V. Buckwalter. No. 875,893; Jan. 7; Sp. p. 401; Dr. p. 88; Gaz. vol. 132; p. 75.
 Truck, Electrically-operated baggage-. T. V. Buckwalter. (Reissue.) No. 12,767; Mar. 24; Sp. p. 5311; Dr. p. 1133; Gaz. vol. 133; p. 970.
 Truck, Equalizing-. A. E. Brown. No. 907,964; Dec. 29; Sp. p. 5644; Gaz. vol. 137; p. 2029.
 Truck for harvesters, Tongue-. L. G. Johnson. No. 882,113; Mar. 17; Sp. p. 3202; Dr. pp. 693-4; Gaz. vol. 133; p. 594.
 Truck for tillage implements, Pole-. C. S. Sharp. No. 879,331; Feb. 18; Sp. p. 2941; Dr. p. 613; Gaz. vol. 132; p. 1392.
 Truck-frame. J. M. Rohlfing. No. 881,721; Mar. 10; Sp. p. 2450; Dr. p. 527; Gaz. vol. 133; p. 437.
 Truck frame, Railway-. C. Furrnan. No. 878,459; Feb. 4; Sp. p. 1129; Dr. pp. 231-2; Gaz. vol. 132; p. 1034.
 Truck, Freight-car and locomotive-tender. R. C. Wright and F. E. Stebbins. No. 895,827; Aug. 11; Sp. p. 2110; Dr. pp. 447-8; Gaz. vol. 135; p. 1264.
 Truck, Hand-. W. Wance. No. 876,753; Jan. 14; Sp. p. 2175; Dr. p. 478; Gaz. vol. 132; p. 386.
 Truck, Hand-. F. Lange. No. 887,821; May 19; Sp. p. 3027; Dr. p. 636; Gaz. vol. 134; p. 548.
 Truck, Hand-. H. R. Moff. No. 890,290; June 9; Sp. p. 2226; Dr. p. 489; Gaz. vol. 134; p. 1441.
 Truck, Hand-. J. C. Moore. No. 893,744; July 21; Sp. p. 2857; Dr. p. 586; Gaz. vol. 135; p. 508.
 Truck, Hand-. M. W. Neuens. No. 894,282; July 28; Sp. p. 3997; Dr. p. 825; Gaz. vol. 135; p. 705.
 Truck, Hand-. J. C. Moore. No. 896,228; Aug. 18; Sp. p. 2871; Dr. p. 619; Gaz. vol. 135; p. 1416.
 Truck, Hand-. D. C. Markham. No. 900,405; Oct. 6; Sp. p. 702; Dr. p. 145; Gaz. vol. 136; p. 1183.
 Truck, Hand-. A. Anderson. No. 902,794; Nov. 3; Sp. p. 505; Gaz. vol. 137; p. 88.
 Truck, Hay-. F. A. Kime. No. 908,106; Dec. 29; Sp. p. 5933; Gaz. vol. 137; p. 2077.
 Truck, House-. J. H. Lyon. No. 878,546; Feb. 11; Sp. p. 1389; Dr. p. 285; Gaz. vol. 132; p. 1098.
 Truck, Liquid-spraying. G. T. Connor. No. 900,058; Sept. 29; Sp. p. 5649; Dr. p. 1206; Gaz. vol. 136; p. 1039.
 Truck, Locomotive rear swing-. K. Rushton. No. 895,204; Aug. 4; Sp. p. 865; Dr. p. 181; Gaz. vol. 135; p. 1038.
 Truck, Log-. J. W. Germany. No. 886,493; May 5; Sp. p. 299; Dr. p. 62; Gaz. vol. 134; p. 55.
 Truck, Logging-. J. W. Emerson. No. 878,512; Feb. 11; Sp. p. 1321; Dr. p. 267; Gaz. vol. 132; p. 1036.
 Truck, Lumber-. W. W. Green. No. 906,128; Dec. 8; Sp. p. 1994; Gaz. vol. 137; p. 1341.
 Truck, Lumber-. M. Aekerman. No. 908,372; Dec. 29; Sp. p. 6498; Gaz. vol. 137; p. 2169.
 Truck, Motor-vehicle. R. Fuller. No. 900,160; Oct. 6; Sp. p. 190; Dr. p. 39; Gaz. vol. 136; p. 1103.
 Truck or trolley with sliding steering-wheels. L. E. Lachat. No. 878,733; Feb. 11; Sp. p. 1783; Dr. p. 369; Gaz. vol. 132; p. 1150.
 Truck or wagon, Brick. H. H. Oberly. No. 891,364; June 23; Sp. p. 4421; Dr. pp. 962-3; Gaz. vol. 134; p. 1856.
 Truck pedestal, Car-. C. Markel. No. 898,906; Sept. 15; Sp. p. 3306; Dr. p. 709; Gaz. vol. 136; p. 601.
 Truck, Rail-handling. A. G. Newburgh. No. 877,111; Jan. 21; Sp. p. 2931; Dr. p. 634; Gaz. vol. 132; p. 544.
 Truck, Railway-. A. Warfield. No. 887,362; May 12; Sp. p. 2089; Dr. pp. 438-9; Gaz. vol. 134; p. 367.
 Truck, Railway-car. M. Kennedy. No. 882,642; Mar. 24; Sp. p. 4279; Dr. pp. 907-8; Gaz. vol. 133; p. 800.
 Truck, Railway-car. H. S. Hart. No. 895,559; Aug. 11; Sp. p. 1576; Dr. p. 333; Gaz. vol. 135; p. 1178.
 Truck, Railway-car. J. V. McAdam. No. 900,759; Oct. 13; Sp. p. 1460; Dr. p. 297; Gaz. vol. 136; p. 1325.
 Truck, Railway-car. J. V. McAdam. No. 900,760; Oct. 13; Sp. p. 1462; Dr. p. 298; Gaz. vol. 136; p. 1325.
 Truck, Rigger's. J. Ross. No. 890,713; June 16; Sp. p. 3091; Dr. pp. 678-9; Gaz. vol. 134; p. 1611.
 Truck, Rigger's. J. Ross. No. 891,442; June 23; Sp. p. 4574; Dr. p. 995; Gaz. vol. 134; p. 1882.
 Truck, Rigger's. J. Ross. No. 893,658; July 21; Sp. p. 2606; Dr. p. 544; Gaz. vol. 135; p. 478.
 Truck, Saw-. H. G. Hoovestol. No. 906,714; Dec. 15; Sp. p. 3080; Gaz. vol. 137; p. 1555.
 Truck, scale, and bag-holder, Combined. E. J. Bricker. No. 884,459; Apr. 14; Sp. p. 1596; Dr. p. 344; Gaz. vol. 133; p. 1477.
 Truck side frame. H. Aiken. No. 877,280; Jan. 21; Sp. p. 3290; Dr. pp. 711-12; Gaz. vol. 132; p. 603.
 Truck side frame. C. B. Goodspeed. No. 884,726; Apr. 14; Sp. p. 2175; Dr. p. 461; Gaz. vol. 133; p. 1566.
 Truck side frame. H. Aiken. No. 900,463; Oct. 6; Sp. p. 845; Dr. p. 171; Gaz. vol. 136; p. 1203.
 Truck side frame, Car-. A. Lipschutz. No. 883,143; Mar. 24; Sp. p. 5272; Dr. p. 1124; Gaz. vol. 133; p. 963.
 Truck side frame, Car-. A. Lipschutz. No. 883,465; Mar. 31; Sp. p. 5965; Dr. p. 1273; Gaz. vol. 133; p. 1099.
 Truck, Swing-motion car-. C. F. Murray. No. 895,780; Aug. 11; Sp. p. 2019; Dr. p. 428; Gaz. vol. 135; p. 1249.
 Truck, Swing-motion car-. W. D. Lowry. No. 897,912; Sept. 8; Sp. p. 1383; Dr. pp. 295-6; Gaz. vol. 136; p. 250.
 Truck, Thawing-furnace. T. D. Bauscher. No. 879,939; Feb. 25; Sp. p. 4254; Dr. p. 889; Gaz. vol. 132; p. 1625.
 Truck, Tongue-. W. Mohr. No. 888,251; May 19; Sp. p. 3839; Dr. pp. 806-7; Gaz. vol. 134; p. 687.
 Truck, Transfer-. R. P. Baldwin. No. 904,919; Nov. 24; Sp. p. 4923; Gaz. vol. 137; p. 879.
 Truck, Warehouse-. G. S. Bergsather. No. 882,735; Mar. 24; Sp. p. 4460; Dr. p. 949; Gaz. vol. 133; p. 830.
 Truck, Wheeled. R. S. Brown. No. 907,569; Dec. 22; Sp. p. 4762; Gaz. vol. 137; p. 1870.
 Truck, Yard-. H. Paulson. No. 883,904; Apr. 7; Sp. p. 476; Dr. p. 93; Gaz. vol. 133; p. 1268.
 Trucks, Bearing for car-. O. F. Transue. No. 890,729; June 16; Sp. p. 3128; Dr. p. 685; Gaz. vol. 134; p. 1616.
 Trucks, Column-guide for car-. C. F. Murray. No. 890,437; June 9; Sp. p. 2501; Dr. pp. 553-4; Gaz. vol. 134; p. 1488.
 Trucks, Conveyor for hand-. H. C. Coward. No. 888,591; May 26; Sp. p. 4533; Dr. p. 962; Gaz. vol. 134; p. 831.
 Trucks, Folding platform for operators of motor-. T. V. Buckwalter. No. 895,069; Aug. 4; Sp. p. 586; Dr. p. 122; Gaz. vol. 135; p. 991.
 Trucks, Spring-plank seat for car-. G. G. Floyd. No. 877,495; Jan. 28; Sp. p. 3711; Dr. p. 803; Gaz. vol. 132; p. 692.
 Trunk. W. H. A. Stout. No. 876,025; Jan. 7; Sp. p. 657; Dr. p. 141; Gaz. vol. 132; p. 114.
 Trunk. G. H. Wheary. No. 879,074; Feb. 11; Sp. p. 2417; Dr. pp. 506-7; Gaz. vol. 132; p. 1266.
 Trunk. C. T. and E. E. Wilt. No. 880,058; Feb. 25; Sp. p. 4488; Dr. pp. 943-4; Gaz. vol. 132; p. 1663.
 Trunk. T. J. McKay. No. 883,420; Mar. 31; Sp. p. 5869; Dr. p. 1251; Gaz. vol. 133; p. 1084.
 Trunk. T. J. McKay. No. 889,253; June 2; Sp. p. 113; Dr. p. 27; Gaz. vol. 134; p. 1077.
 Trunk. W. G. Winans. No. 890,480; June 9; Sp. p. 2578; Dr. p. 570; Gaz. vol. 134; p. 1500.
 Trunk. S. W. Bonsall. No. 898,549; Sept. 15; Sp. p. 2648; Dr. p. 566; Gaz. vol. 136; p. 486.
 Trunk attachment. F. Strauss. No. 905,759; Dec. 1; Sp. p. 1279; Gaz. vol. 137; p. 1192.
 Trunk display attachment, Sample-. I. Mendel and J. J. Smith. No. 906,050; Dec. 8; Sp. p. 1838; Gaz. vol. 137; p. 1316.
 Trunk-fastener. G. J. Loos. No. 878,406; Feb. 4; Sp. p. 1035; Dr. p. 209; Gaz. vol. 132; p. 1018.
 Trunk-fastener. S. W. Bonsall. No. 888,061; May 19; Sp. p. 3486; Dr. p. 730; Gaz. vol. 134; p. 625.
 Trunk-fastener. T. W. Maddux. No. 892,533; July 7; Sp. p. 275; Dr. p. 60; Gaz. vol. 135; p. 51.
 Trunk-harness and clutch. H. M. Sprague. No. 895,590; Aug. 11; Sp. p. 1634; Dr. p. 344; Gaz. vol. 135; p. 1188.
 Trunk-harness tightener. G. M. Powers. No. 889,042; May 26; Sp. p. 5466; Dr. pp. 1162-3; Gaz. vol. 134; p. 977.
 Trunk-lid brace. O. Rangnov. No. 892,184; June 30; Sp. p. 6083; Dr. p. 1308; Gaz. vol. 134; p. 2157.
 Trunk-lids or the like, Support for. J. A. I. Claudon. No. 905,651; Dec. 1; Sp. p. 1078; Gaz. vol. 137; p. 1156.
 Trunk-lining. M. C. Wilson. No. 898,026; Sept. 8; Sp. p. 1635; Dr. p. 348; Gaz. vol. 136; p. 287.
 Trunk-lock. C. J. Salviala. No. 887,430; May 12; Sp. p. 2248; Dr. p. 471; Gaz. vol. 134; p. 389.
 Trunk-lock. R. W. King. No. 897,377; Sept. 1; Sp. p. 276; Dr. p. 57; Gaz. vol. 136; p. 42.
 Trunk-lock. J. B. Johnson. No. 898,744; Sept. 15; Sp. p. 3014; Dr. p. 645; Gaz. vol. 136; p. 548.
 Trunk-rope. G. H. Barnum. No. 906,853; Dec. 15; Sp. p. 3359; Gaz. vol. 137; p. 1600.
 Trunk-strap. J. N. Gorman. No. 891,835; June 30; Sp. p. 5410; Dr. p. 1169; Gaz. vol. 134; p. 2044.
 Trunk-strap fastener. O. A. Stoneman. No. 889,410; June 2; Sp. p. 441; Dr. p. 105; Gaz. vol. 134; p. 1128.
 Trunk-tray. W. P. Fitzgerald. No. 906,124; Dec. 8; Sp. p. 1988; Gaz. vol. 137; p. 1339.
 Trunk, Wardrobe-. H. F. von Ohlen. No. 906,153; Dec. 8; Sp. p. 2042; Gaz. vol. 137; p. 1350.
 Trunking system, Automatic. C. S. Winston. No. 878,265; Feb. 4; Sp. p. 766; Dr. p. 154; Gaz. vol. 132; p. 971.

Alphabetical list of inventions—Continued.

- Truss. L. H. Davis. No. 877,936; Feb. 4; Sp. p. 177; Dr. p. 40; Gaz. vol. 132; p. 879.
 Truss. H. L. Mortimer. No. 879,567; Feb. 18; Sp. p. 3440; Dr. p. 720; Gaz. vol. 132; p. 1469.
 Truss. M. W. Milligan. No. 880,559; Mar. 3; Sp. p. 130; Dr. p. 29; Gaz. vol. 133; p. 26.
 Truss. J. Habenicht. No. 886,599; May 5; Sp. p. 509; Dr. p. 109; Gaz. vol. 134; p. 91.
 Truss. J. Q. A. Remine. No. 890,452; June 9; Sp. p. 2523; Dr. p. 558; Gaz. vol. 134; p. 1492.
 Truss. W. Crombie. No. 893,146; July 14; Sp. p. 1548; Dr. p. 326; Gaz. vol. 135; p. 282.
 Truss. J. A. Anderson. No. 894,095; July 21; Sp. p. 3578; Dr. p. 736; Gaz. vol. 135; p. 624.
 Truss. F. A. Lane. No. 905,890; Dec. 8; Sp. p. 1533; Gaz. vol. 137; p. 1265.
 Truss. J. H. Windisch. No. 906,350; Dec. 8; Sp. p. 2421; Gaz. vol. 137; p. 1415.
 Truss. I. Meissl. No. 907,263; Dec. 22; Sp. p. 4185; Gaz. vol. 137; p. 1770.
 Truss-braced tree. B. F. Pinson, Jr. No. 883,342; Mar. 31; Sp. p. 5677; Dr. p. 1212; Gaz. vol. 133; p. 1057.
 Truss for iron structures. H. C. Matthews. No. 878,221; Feb. 4; Sp. p. 675; Dr. p. 139; Gaz. vol. 132; p. 955.
 Truss. Hernial. F. Meine. No. 880,681; Mar. 3; Sp. p. 378; Dr. p. 83; Gaz. vol. 133; p. 67.
 Truss-pad. E. R. Bathrick. No. 881,218; Mar. 10; Sp. p. 1446; Dr. p. 312; Gaz. vol. 133; p. 275.
 Truss-pad. E. R. Bathrick. No. 881,219; Mar. 10; Sp. p. 1447; Dr. p. 312; Gaz. vol. 133; p. 275.
 Truss. Rupture-. A. Young. No. 900,230; Oct. 6; Sp. p. 364; Dr. p. 75; Gaz. vol. 136; p. 1132.
 Tub: See Bath-tub.
 Tub trap, Rinse-. W. L. Koenig. No. 904,539; Nov. 24; Sp. p. 4126; Gaz. vol. 137; p. 752.
 Tube: See Aero-tube; Boiler-tube; Collapsible tube; Cop-tube; Draft-tube; Duplex tube; Filling-tube; Flexible tube; Gun-magazine tube; Hot-water tube; Liquid filling-tube; Mailing-tube; Measuring and transferring tube; Nipper-tube; Paste-tube; Smoking-tube; Sound-tube; Speaking-tube; Torpedo-expulsion tube; Torpedo-launching tube; Vein-tube; Well-tube.
 Tube and flue cleaner. F. H. Lehnert. No. 876,566; Jan. 14; Sp. p. 1795; Dr. p. 392; Gaz. vol. 132; p. 324.
 Tube and rod clamp. A. Burkholder. No. 906,505; Dec. 15; Sp. p. 2695; Gaz. vol. 137; p. 1490.
 Tube catcher and support. H. W. Staley. No. 885,195; Apr. 21; Sp. p. 3145; Dr. p. 660; Gaz. vol. 133; p. 1749.
 Tube clamp and elevator. B. Andrews, Jr. No. 908,061; Dec. 29; Sp. p. 5838; Gaz. vol. 137; p. 2062.
 Tube-cleaner. T. Andrews. (Reissue.) No. 12,799; May 26; Sp. p. 5802; Dr. p. 1231; Gaz. vol. 134; p. 1026.
 Tube-cleaner. J. G. McCarren. No. 896,851; Aug. 25; Sp. p. 4156; Dr. p. 890; Gaz. vol. 135; p. 1641.
 Tube-cleaner. K. O. Sandström. No. 901,483; Oct. 20; Sp. p. 2986; Dr. p. 608; Gaz. vol. 136; p. 1599.
 Tube-cleaner. T. Andrews. No. 901,940; Oct. 27; Sp. p. 3912; Dr. p. 798; Gaz. vol. 136; p. 1777.
 Tube cleaner, Boiler-. J. Muirhead. No. 903,754; Nov. 10; Sp. p. 2436; Gaz. vol. 137; p. 426.
 Tube cleaner, Boiler-. A. F. Krause. No. 906,898; Dec. 15; Sp. p. 3448; Gaz. vol. 137; p. 1614.
 Tube-closing machine, Rotary. J. A. Ullman and G. R. Howell. No. 877,266; Jan. 21; Sp. p. 3267; Dr. p. 707; Gaz. vol. 132; p. 598.
 Tube-cutter. O. Thomas and G. Blackwell. No. 881,358; Mar. 10; Sp. p. 1726; Dr. p. 372; Gaz. vol. 133; p. 820.
 Tube-cutter. P. A. Johns. No. 886,298; Apr. 28; Sp. p. 5382; Dr. p. 1131; Gaz. vol. 133; p. 2138.
 Tube-drawing apparatus, Hard-metal-. B. F. McTear. No. 880,563; Mar. 3; Sp. p. 137; Dr. p. 31; Gaz. vol. 133; p. 27.
 Tube-expander. F. H. Cunningham. No. 892,981; July 14; Sp. p. 1196; Dr. pp. 252-3; Gaz. vol. 135; p. 227.
 Tube-expander. G. Wiedeke, Sr. No. 901,271; Oct. 13; Sp. p. 2470; Dr. p. 507; Gaz. vol. 136; p. 1490.
 Tube expander and cutter, Combined. F. M. Hawkins. No. 906,797; Dec. 15; Sp. p. 3241; Gaz. vol. 137; p. 1582.
 Tube-forming machine, Mount-. J. E. Graybill. No. 885,039; Apr. 21; Sp. p. 2804; Dr. pp. 593-4; Gaz. vol. 133; p. 1698.
 Tube-head. F. F. Nickel. No. 887,113; May 12; Sp. p. 1546; Dr. p. 327; Gaz. vol. 134; p. 283.
 Tube-heading machine. H. C. Hunter. No. 906,885; Dec. 15; Sp. p. 3422; Gaz. vol. 137; p. 1610.
 Tube-joint for metal tracker-bars and forming the same. T. Danquard. No. 880,508; Mar. 3; Sp. p. 32; Dr. p. 8; Gaz. vol. 133; p. 9.
 Tube-making-machine discharge nozzle or former. V. Royle. No. 906,297; Dec. 8; Sp. p. 2323; Gaz. vol. 137; p. 1399.
 Tube-manufacturing apparatus, Metal-. A. Schwieger. No. 878,092; Feb. 4; Sp. p. 403; Dr. p. 85; Gaz. vol. 132; p. 913.
 Tube-mills and similar grinding and crushing machines, Honeycomb lining for. H. P. Barry. No. 887,575; May 12; Sp. p. 2532; Dr. pp. 533-4; Gaz. vol. 134; p. 437.
 Tube-mills, Feeder-head for rotary. W. N. Beach. No. 879,435; Feb. 18; Sp. p. 3168; Dr. p. 659; Gaz. vol. 132; p. 1426.
 Tube or flue cleaner. J. R. Middleton. No. 878,145; Feb. 4; Sp. p. 494; Dr. p. 106; Gaz. vol. 132; p. 931.
 Tube-perforating apparatus. C. Thibodeau. No. 893,674; July 21; Sp. p. 2633; Dr. pp. 551-2; Gaz. vol. 135; p. 483.
 Tube-post. A. G. Fenyo. No. 891,416; June 23; Sp. p. 4529; Dr. p. 955; Gaz. vol. 134; p. 1873.
 Tube or pipe cleaner. E. Hoglund. No. 902,657; Nov. 3; Sp. p. 243; Gaz. vol. 137; p. 41.
 Tube receiving or delivering mechanism. W. R. Webster and W. R. Clark. No. 896,781; Aug. 25; Sp. p. 3994; Dr. p. 859; Gaz. vol. 135; p. 1617.
 Tube-scraper. K. O. Sandström. No. 901,484; Oct. 20; Sp. p. 2987; Dr. p. 608; Gaz. vol. 136; p. 1599.
 Tube-scraper. J. Georges and E. A. Dornoy. No. 903,854; Nov. 17; Sp. p. 3387; Gaz. vol. 137; p. 493.
 Tube-sizing mill. J. S. Worth and W. F. Harrison. No. 891,650; June 23; Sp. p. 5024; Dr. pp. 1081-2; Gaz. vol. 134; p. 1950.
 Tube-slitting machine, Plastic-. G. P. Willett. No. 877,151; Jan. 21; Sp. p. 3026; Dr. p. 655; Gaz. vol. 137; p. 559.
 Tube-transferring mechanism. R. L. Patterson. No. 879,311; Feb. 18; Sp. p. 2909; Dr. p. 607; Gaz. vol. 132; p. 1386.
 Tubes and gaskets, Apparatus for mounting and dismounting. J. Merritt. No. 894,221; July 28; Sp. p. 3855; Dr. pp. 798-9; Gaz. vol. 135; p. 685.
 Tubes, Automatic shut-off for pneumatic. E. Flint. No. 886,489; May 5; Sp. p. 292; Dr. p. 61; Gaz. vol. 134; p. 54.
 Tubes, Device for holding, aligning, and punching metal. W. B. Murray. No. 877,855; Jan. 28; Sp. p. 4402; Dr. p. 958; Gaz. vol. 132; p. 807.
 Tubes, Machine for manufacturing mount-. J. E. Graybill. No. 883,875; Apr. 7; Sp. p. 414; Dr. pp. 81-2; Gaz. vol. 133; p. 1257.
 Tubes, Manufacture of compound. G. H. Everson. No. 904,189; Nov. 17; Sp. p. 3387; Gaz. vol. 137; p. 609.
 Tubes, Mechanism for feeding conical. B. W. Tucker. No. 900,900; Oct. 13; Sp. p. 1763; Dr. p. 358; Gaz. vol. 136; p. 1371.
 Tubes, Method and apparatus for making. H. W. Hock. No. 896,991; Aug. 25; Sp. p. 4474; Dr. p. 955; Gaz. vol. 135; p. 1687.
 Tubes, Reworking. W. H. Richards. No. 904,451; Nov. 17; Sp. p. 3921; Gaz. vol. 137; p. 695.
 Tubing, Machine for making flexible. C. O. Berg. No. 876,257; Jan. 7; Sp. p. 1107; Dr. pp. 239-40; Gaz. vol. 132; p. 187.
 Tubing, Machine for making metal. E. T. Greenfield. No. 877,073; Jan. 21; Sp. p. 2855; Dr. pp. 616-17; Gaz. vol. 132; p. 532.
 Tubing, Manufacture of seamless. G. H. Blaxter. No. 876,856; Jan. 14; Sp. p. 2362; Dr. p. 517; Gaz. vol. 132; p. 418.
 Tubing reinforcement, Metallic-. L. M. Passmore. No. 908,127; Dec. 29; Sp. p. 5978; Gaz. vol. 137; p. 2084.
 Tubular articles, Machine for drawing. J. H. Harvey. No. 906,878; Dec. 15; Sp. p. 3408; Gaz. vol. 137; p. 1607.
 Tubular bodies, Testing. E. L. Perry. No. 880,755; Mar. 3; Sp. p. 542; Dr. p. 113; Gaz. vol. 133; p. 94.
 Tubular boiler. W. Möller. No. 876,378; Jan. 14; Sp. p. 1366; Dr. pp. 297-8; Gaz. vol. 132; p. 258.
 Tufting-machine. E. D. Barchman. No. 905,629; Dec. 1; Sp. p. 1036; Gaz. vol. 137; p. 1149.
 Tug, Chin-. W. E. Knapp. No. 883,963; Apr. 7; Sp. p. 600; Dr. p. 119; Gaz. vol. 133; p. 1287.
 Tug, Harness shaft-. C. P. Hatfield. No. 902,964; Nov. 3; Sp. p. 864; Gaz. vol. 137; p. 144.
 Tug-loop. W. W. Plowman. No. 906,066; Dec. 8; Sp. p. 1871; Gaz. vol. 137; p. 1321.
 Tumbler-washer. E. J. Rabideau. No. 884,992; Apr. 14; Sp. p. 2701; Dr. pp. 572-3; Gaz. vol. 133; p. 1649.
 Tuning-coil and condenser, Combined. W. W. Massie. No. 886,302; Apr. 28; Sp. p. 5361; Dr. p. 1132; Gaz. vol. 133; p. 2140.
 Tuning, Method of. M. L. Severy and G. B. Sinclair. No. 890,803; June 16; Sp. p. 3285; Dr. p. 719; Gaz. vol. 134; p. 1642.
 Tuning-pin. J. Heginbotham. No. 903,086; Nov. 3; Sp. p. 1112; Gaz. vol. 137; p. 151.
 Tunnel and subway. G. W. Jackson. No. 899,735; Sept. 29; Sp. p. 4934; Dr. pp. 1058-9; Gaz. vol. 136; p. 932.
 Tunnel-driving machine. G. A. Fowler. No. 891,473; June 23; Sp. p. 4637; Dr. pp. 1006-7; Gaz. vol. 134; p. 1892.
 Tunnel-segments, Making. F. F. Vandevort. No. 892,469; July 7; Sp. p. 152; Dr. p. 33; Gaz. vol. 135; p. 30.
 Tunnel, Subaqueous. O. Hoff. No. 907,356; Dec. 22; Sp. p. 4341; Gaz. vol. 137; p. 1800.
 Tunnels, Method and apparatus for constructing subaqueous. B. Douglas. No. 888,790; May 26; Sp. p. 4966; Dr. pp. 1060-1; Gaz. vol. 134; p. 895.
 Tunnels, Sinking subaqueous. O. Hoff. No. 907,357; Dec. 22; Sp. p. 4347; Gaz. vol. 137; p. 1800.
 Tunnels, Ventilating. H. Blackman. No. 893,049; July 14; Sp. p. 1349; Dr. p. 285; Gaz. vol. 135; p. 250.
 Tunneling in rock. J. P. Keane. No. 877,779; Jan. 28; Sp. p. 4264; Dr. p. 926; Gaz. vol. 132; p. 783.
 Tunneling-machine. W. J. Hammond, Jr. No. 885,044; Apr. 21; Sp. p. 2820; Dr. pp. 596-7; Gaz. vol. 133; p. 1700.
 Tunneling-machine. O. S. Proctor. No. 900,950; Oct. 13; Sp. p. 1873; Dr. pp. 382-3; Gaz. vol. 136; p. 1387.
 Tunneling-machine. O. S. Proctor. No. 900,951; Oct. 13; Sp. p. 1878; Dr. pp. 383-4; Gaz. vol. 136; p. 1388.
 Tunneling-machine. J. Retallack. No. 906,741; Dec. 15; Sp. p. 3139; Gaz. vol. 137; p. 1555.
 Tunneling-machine Rotary. R. B. Sigafos. No. 901,392; Oct. 20; Sp. p. 2766; Dr. p. 564; Gaz. vol. 136; p. 1568.
 Tunneling under streets, roads, squares, tracks, and the like. J. Knudsen. No. 902,973; Nov. 3; Sp. p. 878; Gaz. vol. 137; p. 147.
 Turbine. B. Heymann. No. 875,912; Jan. 7; Sp. p. 451; Dr. p. 100; Gaz. vol. 132; p. 81.
 Turbine. R. H. Goldsborough. No. 876,710; Jan. 14; Sp. p. 2107; Dr. p. 459; Gaz. vol. 132; p. 373.
 Turbine. R. H. Goldsborough. No. 878,201; Feb. 4; Sp. p. 640; Dr. p. 131; Gaz. vol. 132; p. 949.
 Turbine. F. E. Haven. No. 878,799; Feb. 11; Sp. p. 1919; Dr. pp. 395-6; Gaz. vol. 132; p. 1181.
 Turbine. C. Wedekind. No. 880,181; Feb. 25; Sp. p. 4727; Dr. p. 1000; Gaz. vol. 132; p. 1703.

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 Turbine. W. A. Loudon. No. 883,966; Apr. 7; Sp. p. 604; Dr. p. 120; Gaz. vol. 133; p. 1288.
 Turbine. C. W. Wellman. No. 884,058; Apr. 7; Sp. p. 783; Dr. p. 164; Gaz. vol. 133; p. 1319.
 Turbine. R. Cramp. No. 884,719; Apr. 14; Sp. p. 2153; Dr. p. 459; Gaz. vol. 133; p. 1564.
 Turbine. A. Jude. No. 886,515; May 5; Sp. p. 341; Dr. p. 70; Gaz. vol. 134; p. 63.
 Turbine. F. H. Lindner. No. 888,180; May 19; Sp. p. 3711; Dr. pp. 775-6; Gaz. vol. 134; p. 662.
 Turbine. F. H. Lindner. No. 888,181; May 19; Sp. p. 3713; Dr. pp. 776-7; Gaz. vol. 134; p. 663.
 Turbine. J. Hissink. No. 888,500; May 26; Sp. p. 4352; Dr. p. 921; Gaz. vol. 134; p. 798.
 Turbine. W. Q. Wright. No. 890,006; June 9; Sp. p. 1620; Dr. p. 362; Gaz. vol. 134; p. 1346.
 Turbine. W. J. Cartwright. No. 891,812; June 30; Sp. p. 5360; Dr. p. 1160; Gaz. vol. 134; p. 2036.
 Turbine. W. E. Snow. No. 891,874; June 30; Sp. p. 5483; Dr. p. 1185; Gaz. vol. 134; p. 2057.
 Turbine. J. Lewthwaite. No. 892,276; June 30; Sp. p. 6263; Dr. p. 1348; Gaz. vol. 134; p. 2189.
 Turbine. W. Wyand. No. 893,217; July 14; Sp. p. 1680; Dr. p. 355; Gaz. vol. 135; p. 303.
 Turbine. A. C. Toms. No. 894,409; July 28; Sp. p. 4258; Dr. p. 879; Gaz. vol. 135; p. 747.
 Turbine. J. Kadiera. No. 895,027; Aug. 4; Sp. p. 514; Dr. p. 104; Gaz. vol. 135; p. 978.
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 Turbine. A. C. Wood. No. 897,567; Sept. 1; Sp. p. 671; Dr. p. 141; Gaz. vol. 136; p. 105.
 Turbine. N. McKee. No. 897,992; Sept. 8; Sp. p. 1559; Dr. p. 331; Gaz. vol. 136; p. 276.
 Turbine. M. R. Moore. No. 898,127; Sept. 8; Sp. p. 1825; Dr. pp. 387-8; Gaz. vol. 136; p. 318.
 Turbine. C. A. Parsons and G. G. Stoney. No. 898,257; Sept. 8; Sp. p. 2075; Dr. p. 441; Gaz. vol. 136; p. 358.
 Turbine. C. A. Parsons and G. G. Stoney. No. 899,319; Sept. 22; Sp. p. 4112; Dr. p. 879; Gaz. vol. 136; p. 762.
 Turbine. A. Pfau. No. 899,559; Sept. 29; Sp. p. 4580; Dr. pp. 984-5; Gaz. vol. 136; p. 877.
 Turbine. A. Jude and R. K. Morecom. No. 900,739; Oct. 13; Sp. p. 1427; Dr. p. 290; Gaz. vol. 136; p. 1319.
 Turbine. A. J. Rowan and J. A. Laux. No. 901,385; Oct. 20; Sp. p. 2754; Dr. p. 561; Gaz. vol. 136; p. 1566.
 Turbine. S. Z. de Ferranti. No. 901,931; Oct. 20; Sp. p. 3883; Dr. pp. 792-3; Gaz. vol. 136; p. 1744.
 Turbine. C. Roth. No. 902,252; Oct. 27; Sp. p. 4558; Dr. p. 925; Gaz. vol. 136; p. 1876.
 Turbine. C. Sawin. No. 902,609; Nov. 3; Sp. p. 160; Gaz. vol. 137; p. 26.
 Turbine. R. C. Fröhlich. No. 903,557; Nov. 10; Sp. p. 2053; Gaz. vol. 137; p. 367.
 Turbine. L. S. Platau. No. 903,694; Nov. 10; Sp. p. 2324; Gaz. vol. 137; p. 408.
 Turbine. W. S. Elliott. No. 905,858; Dec. 8; Sp. p. 1478; Gaz. vol. 137; p. 1255.
 Turbine. B. Ljungström. No. 906,244; Dec. 8; Sp. p. 2225; Gaz. vol. 137; p. 1381.
 Turbine. J. Hutchings. No. 906,429; Dec. 8; Sp. p. 2553; Gaz. vol. 137; p. 1439.
 Turbine-blade fastening. C. Roth. No. 902,915; Nov. 3; Sp. p. 772; Gaz. vol. 137; p. 127.
 Turbine-blades to their carrying elements, Attaching. S. Z. de Ferranti. No. 906,400; Dec. 8; Sp. p. 2495; Gaz. vol. 137; p. 1429.
 Turbine-brake, Elastic-fluid-. W. L. R. Emmet. No. 881,563; Mar. 10; Sp. p. 2124; Dr. pp. 463-4; Gaz. vol. 133; p. 386.
 Turbine-bucket. W. Kieser. No. 883,889; Apr. 7; Sp. p. 442; Dr. p. 88; Gaz. vol. 133; p. 1262.
 Turbine-bucket. C. P. Steinmetz. No. 885,098; Apr. 21; Sp. p. 2915; Dr. p. 618; Gaz. vol. 133; p. 1717.
 Turbine-bucket. E. H. Farquhar. No. 901,961; Oct. 27; Sp. p. 3955; Dr. p. 808; Gaz. vol. 136; p. 1785.
 Turbine-bucket. W. F. Rice. No. 905,460; Dec. 1; Sp. p. 697; Gaz. vol. 137; p. 1096.
 Turbine-bucket cover. A. F. Macdonald. No. 901,459; Oct. 20; Sp. p. 2923; Dr. p. 596; Gaz. vol. 136; p. 1590.
 Turbine-bucket fastening. M. W. Alexander and W. Johnson. No. 883,926; Apr. 7; Sp. p. 515; Dr. p. 102; Gaz. vol. 133; p. 1275.
 Turbine-bucket-wheel. J. Wilkinson. No. 876,123; Jan. 7; Sp. p. 852; Dr. p. 182; Gaz. vol. 132; p. 145.
 Turbine-bucket-wheel. E. Kallberg. No. 894,659; July 28; Sp. p. 4747; Dr. p. 986; Gaz. vol. 135; p. 828.
 Turbine-bucket-wheel. W. L. R. Emmet. No. 901,430; Oct. 20; Sp. p. 2850; Dr. p. 582; Gaz. vol. 136; p. 1580.
 Turbine-bucket-wheel. C. H. Worsey. No. 905,487; Dec. 1; Sp. p. 759; Gaz. vol. 137; p. 1105.
 Turbine-buckets, Apparatus for manufacturing. E. H. Farquhar. No. 902,526; Oct. 27; Sp. p. 5179; Dr. p. 1047; Gaz. vol. 136; p. 1970.
 Turbine-buckets, Manufacturing. E. H. Farquhar. No. 901,960; Oct. 27; Sp. p. 3952; Dr. p. 807; Gaz. vol. 136; p. 1784.
 Turbine-buckets, Shrouding for. F. R. C. Boyd. No. 903,167; Nov. 10; Sp. p. 1255; Gaz. vol. 137; p. 238.
 Turbine, Compound steam-. R. Schulz. No. 891,293; June 23; Sp. p. 4261; Dr. p. 932; Gaz. vol. 134; p. 1833.
 Turbine-discharging device. E. H. Farquhar. No. 903,279; Nov. 10; Sp. p. 1491; Gaz. vol. 137; p. 275.
 Turbine, Elastic-fluid. J. Zvonické. No. 876,422; Jan. 14; Sp. p. 1482; Dr. pp. 318-19; Gaz. vol. 132; p. 273.
 Turbine, Elastic-fluid. C. G. Curtis. No. 879,748; Feb. 18; Sp. p. 3819; Dr. pp. 800-1; Gaz. vol. 132; p. 1528.
 Turbine, Elastic-fluid. C. W. Dake. No. 880,365; Feb. 25; Sp. p. 5085; Dr. p. 1074; Gaz. vol. 132; p. 1764.
 Turbine, Elastic-fluid. G. Westinghouse. No. 880,847; Mar. 3; Sp. p. 739; Dr. p. 157; Gaz. vol. 133; p. 125.
 Turbine, Elastic-fluid. R. H. Rice. No. 881,870; Mar. 10; Sp. p. 2750; Dr. pp. 589-90; Gaz. vol. 133; p. 486.
 Turbine, Elastic-fluid. M. M. Pearson. No. 883,905; Apr. 7; Sp. p. 477; Dr. p. 93; Gaz. vol. 133; p. 1268.
 Turbine, Elastic-fluid. J. G. Callan. No. 883,932; Apr. 7; Sp. p. 529; Dr. p. 104; Gaz. vol. 133; p. 1276.
 Turbine, Elastic-fluid. E. P. Wagner. No. 887,361; May 12; Sp. p. 2087; Dr. p. 438; Gaz. vol. 134; p. 366.
 Turbine, Elastic-fluid. C. W. Dake. No. 887,380; May 12; Sp. p. 2153; Dr. pp. 450-1; Gaz. vol. 134; p. 372.
 Turbine, Elastic-fluid. W. Kieser. No. 887,728; May 12; Sp. p. 2814; Dr. pp. 594-5; Gaz. vol. 134; p. 488.
 Turbine, Elastic-fluid. O. O. Störle. No. 887,981; May 19; Sp. p. 3339; Dr. p. 701; Gaz. vol. 134; p. 601.
 Turbine, Elastic-fluid. M. Matthews. No. 888,248; May 19; Sp. p. 3834; Dr. p. 805; Gaz. vol. 134; p. 686.
 Turbine, Elastic-fluid. C. Fox. No. 890,635; June 16; Sp. p. 2929; Dr. pp. 641-2; Gaz. vol. 134; p. 1586.
 Turbine, Elastic-fluid. E. Thomson. No. 890,819; June 16; Sp. p. 3314; Dr. p. 726; Gaz. vol. 134; p. 1647.
 Turbine, Elastic-fluid. C. P. Steinmetz. No. 891,383; June 23; Sp. p. 4459; Dr. p. 971; Gaz. vol. 134; p. 1863.
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 Turbine, Elastic-fluid. W. Kieser. No. 897,540; Sept. 1; Sp. p. 618; Dr. p. 128; Gaz. vol. 136; p. 97.
 Turbine, Elastic-fluid. W. F. and H. A. Lees and C. W. Grise. No. 898,753; Sept. 15; Sp. p. 3029; Dr. pp. 649-50; Gaz. vol. 136; p. 551.
 Turbine, Elastic-fluid. C. W. Dake. No. 903,454; Nov. 10; Sp. p. 1828; Gaz. vol. 137; p. 332.
 Turbine, Elastic-fluid. H. B. Karlin. No. 905,437; Dec. 1; Sp. p. 658; Gaz. vol. 137; p. 1089.
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 Turbine, Elastic-fluid. J. G. Callan and R. H. Rice. No. 905,791; Dec. 1; Sp. p. 1335; Gaz. vol. 137; p. 1203.
 Turbine, Elastic-fluid. B. Ljungström. No. 906,640; Dec. 15; Sp. p. 2944; Gaz. vol. 137; p. 1532.
 Turbine, Elastic-fluid. S. Z. de Ferranti. No. 907,981; Dec. 29; Sp. p. 5677; Gaz. vol. 137; p. 2036.
 Turbine, Elastic-fluid. O. Krahenmann, Jr. No. 908,280; Dec. 29; Sp. p. 6305; Gaz. vol. 137; p. 2136.
 Turbine-engine. H. B. Fulmer. No. 876,628; Jan. 14; Sp. p. 1947; Dr. pp. 424-5; Gaz. vol. 132; p. 347.
 Turbine-engine. H. I. Cromer. No. 876,860; Jan. 14; Sp. p. 2370; Dr. p. 518; Gaz. vol. 132; p. 419.
 Turbine-engine. R. J. Schlöming. No. 877,237; Jan. 21; Sp. p. 3206; Dr. p. 695; Gaz. vol. 132; p. 589.
 Turbine-engine. L. Hachenberg. No. 877,502; Jan. 28; Sp. p. 3731; Dr. p. 807; Gaz. vol. 132; p. 695.
 Turbine-engine. H. A. Buck. No. 880,479; Feb. 25; Sp. p. 5345; Dr. p. 1127; Gaz. vol. 132; p. 1804.
 Turbine-engine, Reversible. H. Pierce. No. 883,910; Apr. 7; Sp. p. 483; Dr. pp. 95-6; Gaz. vol. 133; p. 1269.
 Turbine, Expansive-fluid. B. S. Church. No. 878,118; Feb. 4; Sp. p. 451; Dr. p. 96; Gaz. vol. 132; p. 922.
 Turbine, Explosion-. C. Beckmann. No. 903,657; Nov. 10; Sp. p. 2251; Gaz. vol. 137; p. 398.
 Turbine, Fluid-pressure. B. E. Lewis. No. 877,848; Jan. 28; Sp. p. 4386; Dr. p. 955; Gaz. vol. 132; p. 805.
 Turbine, Fluid-pressure. G. Westinghouse. No. 894,927; Aug. 4; Sp. p. 310; Dr. pp. 62-3; Gaz. vol. 135; p. 944.
 Turbine, Gas-. H. Holzwarth. No. 877,194; Jan. 21; Sp. p. 3115; Dr. pp. 674-5; Gaz. vol. 132; p. 573.
 Turbine, Gas-. L. A. Haines. No. 887,627; May 12; Sp. p. 2625; Dr. pp. 553-4; Gaz. vol. 134; p. 453.
 Turbine, Gaseous-fluid. C. Wedekind. No. 897,503; Sept. 1; Sp. p. 535; Dr. pp. 113-14; Gaz. vol. 136; p. 86.
 Turbine-governing mechanism. J. G. Callan. No. 881,544; Mar. 10; Sp. p. 2083; Dr. p. 456; Gaz. vol. 133; p. 379.
 Turbine-governing mechanism. R. H. Rice. No. 881,860; Mar. 10; Sp. p. 2745; Dr. pp. 588-9; Gaz. vol. 133; p. 485.
 Turbine-governing mechanism. O. Junggren. No. 891,342; June 23; Sp. p. 4374; Dr. pp. 952-3; Gaz. vol. 134; p. 1848.
 Turbine-governor. C. W. Dake. No. 880,366; Feb. 25; Sp. p. 5086; Dr. p. 1075; Gaz. vol. 132; p. 1764.
 Turbine-governor. A. C. Toms. No. 894,474; July 28; Sp. p. 4389; Dr. p. 906; Gaz. vol. 135; p. 769.
 Turbine-governor. W. L. R. Emmet and O. Junggren. No. 902,219; Oct. 27; Sp. p. 4453; Dr. pp. 908-9; Gaz. vol. 136; p. 1866.
 Turbine, Internal-combustion. P. Krause. No. 880,458; Feb. 25; Sp. p. 5302; Dr. p. 1116; Gaz. vol. 132; p. 1796.
 Turbine, Marine. T. G. E. Lindmark. No. 899,547; Sept. 29; Sp. p. 4556; Dr. p. 980; Gaz. vol. 136; p. 872.
 Turbine, Multiple-stage. J. Karrer. No. 889,019; May 26; Sp. p. 5429; Dr. pp. 1153-4; Gaz. vol. 134; p. 969.
 Turbine, Multistage. E. Mertz. No. 892,440; July 7; Sp. p. 95; Dr. p. 21; Gaz. vol. 135; p. 20.
 Turbine-motor. A. Jude. No. 881,474; Mar. 10; Sp. p. 1965; Dr. p. 427; Gaz. vol. 133; p. 357.
 Turbine-motor. B. Stevens. No. 882,127; Mar. 17; Sp. p. 3283; Dr. p. 700; Gaz. vol. 133; p. 598.
 Turbine-motor, Gasoline. J. F. Orebaugh and C. W. Connett. No. 884,546; Apr. 14; Sp. p. 2436; Dr. pp. 510-11; Gaz. vol. 133; p. 1607.
 Turbine-nozzle. W. Kieser. No. 883,892; Apr. 7; Sp. p. 448; Dr. p. 88; Gaz. vol. 133; p. 1263.

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 Turbine, Reversible steam-. J. Procter. No. 892,304; June 30; Sp. p. 6311; Dr. pp. 1359-60; Gaz. vol. 134; p. 2198.
 Turbine-rotor. W. A. Bole. No. 900,700; Oct. 13; Sp. p. 1352; Dr. p. 276; Gaz. vol. 136; p. 1307.
 Turbine, Steam-. F. A. Douse. No. 876,530; Jan. 14; Sp. p. 1718; Dr. p. 373; Gaz. vol. 132; p. 312.
 Turbine, Steam-. E. C. Terry. No. 877,873; Jan. 28; Sp. p. 4437; Dr. pp. 966-7; Gaz. vol. 132; p. 813.
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 Turbine, Steam-. W. O. Duntley. No. 882,102; Mar. 17; Sp. p. 3244; Dr. p. 690; Gaz. vol. 133; p. 590.
 Turbine, Steam-. P. J. Hedlund. No. 883,404; Mar. 31; Sp. p. 5836; Dr. p. 1244; Gaz. vol. 133; p. 1079.
 Turbine, Steam-. R. Schulz. (Reissue.) No. 12,814; June 16; Sp. p. 4127; Dr. p. 903; Gaz. vol. 134; p. 1779.
 Turbine, Steam-. S. Z. de Ferranti. No. 892,818; July 7; Sp. p. 837; Dr. pp. 178-9; Gaz. vol. 135; p. 143.
 Turbine, Steam-. G. M. Barber. No. 893,127; July 14; Sp. p. 1502; Dr. pp. 316-17; Gaz. vol. 135; p. 276.
 Turbine, Steam-. J. W. Dougherty. No. 893,149; July 14; Sp. p. 1554; Dr. p. 328; Gaz. vol. 135; p. 283.
 Turbine, Steam-. J. Atkinson. No. 902,797; Nov. 3; Sp. p. 509; Gaz. vol. 137; p. 89.
 Turbine, Steam-. G. Belluzzo. No. 903,046; Nov. 3; Sp. p. 1037; Gaz. vol. 137; p. 170.
 Turbine-wheel. J. Karer. No. 893,077; July 14; Sp. p. 1395; Dr. p. 295; Gaz. vol. 135; p. 258.
 Turbine-wheel and bucket. W. Kieser. No. 883,890; Apr. 7; Sp. p. 444; Dr. p. 88; Gaz. vol. 133; p. 1262.
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 Turbine, Wind-. C. V. Gustafson. No. 884,817; Apr. 14; Sp. p. 2365; Dr. p. 497; Gaz. vol. 133; p. 1598.
 Turbines, Bucket-securing means for. O. Junggren. No. 876,971; Jan. 21; Sp. p. 2640; Dr. p. 573; Gaz. vol. 132; p. 498.
 Turbines, Condensing apparatus for steam-. G. Huguenin. No. 906,232; Dec. 8; Sp. p. 2201; Gaz. vol. 137; p. 1376.
 Turbines, Guide blade and vane for. A. Jude. No. 881,409; Mar. 10; Sp. p. 1830; Dr. pp. 396-7; Gaz. vol. 133; p. 335.
 Turbines, Means for cooling the supply-passage of gas-. J. W. A. Elling. No. 878,130; Feb. 4; Sp. p. 470; Dr. p. 100; Gaz. vol. 132; p. 925.
 Turbines or the like, Lubricating-bearing for steam-. G. L. Bascome and C. V. Kerr. No. 905,631; Dec. 1; Sp. p. 1042; Gaz. vol. 137; p. 1150.
 Turbines, Regulating-nozzle for. V. Gelpke and P. Kugel. No. 877,323; Jan. 21; Sp. p. 3377; Dr. p. 731; Gaz. vol. 132; p. 615.
 Turbines, Safety-stop for steam-. H. G. Robinson. No. 879,121; Feb. 11; Sp. p. 2537; Dr. p. 527; Gaz. vol. 132; p. 1281.
 Turbines, &c., Securing blades of. J. F. Metten. No. 901,115; Oct. 13; Sp. p. 2189; Dr. p. 445; Gaz. vol. 136; p. 1440.
 Turbines, Stuffing-box for elastic-fluid. G. Belluzzo. No. 897,189; Aug. 25; Sp. p. 4855; Dr. p. 1032; Gaz. vol. 135; p. 1751.
 Turbo-alternator. C. E. Lord. No. 879,564; Feb. 18; Sp. p. 3434; Dr. p. 719; Gaz. vol. 132; p. 1468.
 Turbo-generator. A. H. Wouters. No. 894,305; July 28; Sp. p. 4047; Dr. p. 835; Gaz. vol. 135; p. 713.
 Turbo-generator construction. A. H. Wouters. No. 892,487; July 7; Sp. p. 184; Dr. p. 38; Gaz. vol. 135; p. 36.
 Turn-table. H. Hastings. No. 878,135; Feb. 4; Sp. p. 477; Dr. p. 102; Gaz. vol. 132; p. 927.
 Turn-table. W. Magnuson. No. 885,164; Apr. 21; Sp. p. 3078; Dr. p. 647; Gaz. vol. 133; p. 1738.
 Turn-table. S. Elliott. No. 885,842; Apr. 28; Sp. p. 4476; Dr. p. 940; Gaz. vol. 133; p. 1987.
 Turn-table. P. Klemp. No. 898,115; Sept. 8; Sp. p. 1808; Dr. p. 384; Gaz. vol. 136; p. 315.
 Turn-table. J. F. Lawry. No. 904,335; Nov. 17; Sp. p. 3705; Gaz. vol. 137; p. 658.
 Turn-table derailler. R. Ogle. No. 884,947; Apr. 14; Sp. p. 2615; Dr. pp. 551-2; Gaz. vol. 133; p. 1635.
 Turn-table, Mold-carrying. E. A. Custer. No. 898,191; Sept. 8; Sp. p. 1949; Dr. p. 416; Gaz. vol. 136; p. 338.
 Turn-table, Normal-surface. C. G. Hawley. No. 889,370; June 2; Sp. p. 354; Dr. p. 83; Gaz. vol. 134; p. 1115.
 Turn-table, Normal-surface. C. G. Hawley. No. 889,371; June 2; Sp. p. 358; Dr. pp. 83-4; Gaz. vol. 134; p. 1115.
 Turn-table, Normal-surface. C. G. Hawley. No. 889,372; June 2; Sp. p. 363; Dr. pp. 84-5; Gaz. vol. 134; p. 1116.
 Turn-table-operating mechanism. C. E. McWade. No. 896,931; Aug. 25; Sp. p. 4343; Dr. pp. 930-1; Gaz. vol. 135; p. 1668.
 Turn-table, Piano. J. J. Sullivan and D. J. Ring. No. 905,018; Nov. 24; Sp. p. 5124; Gaz. vol. 137; p. 913.
 Turn-table, Vehicle. J. Boda. No. 903,809; Nov. 10; Sp. p. 2553; Gaz. vol. 137; p. 446.
 Turning and boring machine, Automatic. L. H. Brightman. No. 884,125; Apr. 7; Sp. p. 967; Dr. pp. 200-1; Gaz. vol. 133; p. 1341.
 Turning and boring machine, Porch-column. J. Bufileen. No. 904,044; Nov. 17; Sp. p. 3059; Gaz. vol. 137; p. 557.
 Turning eccentric rings, Machine for. G. O. Gridley. No. 893,239; July 14; Sp. p. 1720; Dr. pp. 362-3; Gaz. vol. 135; p. 311.
 Turning device. C. M. Andersen. No. 895,713; Aug. 11; Sp. p. 1871; Dr. p. 397; Gaz. vol. 135; p. 1228.
 Turning irregular objects, Machine for. F. Hanses. No. 882,632; Mar. 24; Sp. p. 4260; Dr. pp. 902-3; Gaz. vol. 133; p. 796.
 Turning-plug. H. H. Cramer. No. 880,127; Feb. 25; Sp. p. 4613; Dr. p. 973; Gaz. vol. 132; p. 1684.
 Turning-machine. J. Young. No. 884,451; Apr. 14; Sp. p. 1581; Dr. pp. 341-2; Gaz. vol. 133; p. 1475.
 Turpentine-cup. E. A. McKoy. No. 885,697; Apr. 21; Sp. p. 4160; Dr. p. 870; Gaz. vol. 133; p. 1909.
 Turpentine-cup. E. A. McKoy. No. 897,126; Aug. 25; Sp. p. 4749; Dr. p. 1011; Gaz. vol. 135; p. 1733.
 Turpentine-cup. E. A. McKoy. No. 906,057; Dec. 8; Sp. p. 1858; Gaz. vol. 137; p. 1318.
 Turpentine-cup. E. A. McKoy. No. 906,058; Dec. 8; Sp. p. 1859; Gaz. vol. 137; p. 1319.
 Turpentine-cup. E. A. McKoy. No. 906,453; Dec. 8; Sp. p. 2598; Gaz. vol. 137; p. 1447.
 Turpentine-cups, Machine for manufacturing one-piece folded sheet-metal. J. Kohke. No. 900,393; Oct. 6; Sp. p. 680; Dr. p. 139; Gaz. vol. 136; p. 1178.
 Turpentine-cups, Machine for manufacturing one-piece folded sheet-metal. J. Kohke. No. 900,394; Oct. 6; Sp. p. 682; Dr. p. 140; Gaz. vol. 136; p. 1179.
 Turpentine from wood, Extracting. J. G. Gardner. No. 881,787; Mar. 10; Sp. p. 2563; Dr. p. 550; Gaz. vol. 133; p. 458.
 Turpentine-gathering apparatus. E. A. McKoy. No. 906,059; Dec. 8; Sp. p. 1861; Gaz. vol. 137; p. 1319.
 Turpentine-hack. C. E. Rayford. No. 884,854; Apr. 14; Sp. p. 2446; Dr. p. 515; Gaz. vol. 133; p. 1609.
 Turpentine, Preparation of borneol esters from. J. Hertkorn. No. 901,293; Oct. 13; Sp. p. 2528; Dr. p. 519; Gaz. vol. 136; p. 1497.
 Turpentine, Purifying. H. O. Chute. No. 895,003; Aug. 4; Sp. p. 463; Gaz. vol. 135; p. 969.
 Turpentine-scraper. G. S. Petteway and L. W. Duval. No. 890,449; June 9; Sp. p. 2518; Dr. p. 557; Gaz. vol. 134; p. 1491.
 Turret cross-slides, Means for operating. J. C. Potter. No. 895,788; Aug. 11; Sp. p. 2041; Dr. p. 433; Gaz. vol. 135; p. 1252.
 Turrets, &c., Air-pressure system for. H. Bensch. No. 903,660; Nov. 10; Sp. p. 2259; Gaz. vol. 137; p. 399.
 Tweezers and blackhead-remover, Combined. A. L. Tolman. No. 896,338; Aug. 18; Sp. p. 3101; Dr. p. 666; Gaz. vol. 135; p. 1450.
 Twine-cutter. F. B. Caldwell. No. 879,733; Feb. 18; Sp. p. 3792; Dr. p. 796; Gaz. vol. 132; p. 1523.
 Twine-cutter. J. De Young. No. 897,275; Sept. 1; Sp. p. 25; Dr. p. 6; Gaz. vol. 136; p. 7.
 Twine, Grass. T. W. Jerrems. No. 891,935; June 30; Sp. p. 5598; Dr. p. 1206; Gaz. vol. 134; p. 2078.
 Twine-holder. G. C. Stevens. No. 880,593; Mar. 3; Sp. p. 219; Dr. p. 46; Gaz. vol. 133; p. 38.
 Twine-holder. F. W. Gibson. No. 882,244; Mar. 17; Sp. p. 3513; Dr. p. 746; Gaz. vol. 133; p. 634.
 Twine-holder. F. W. Gibson. No. 882,245; Mar. 17; Sp. p. 3515; Dr. p. 746; Gaz. vol. 133; p. 634.
 Twine-holder. E. P. Dandridge. No. 884,799; Apr. 14; Sp. p. 2330; Dr. p. 490; Gaz. vol. 133; p. 1591.
 Twine-holder. R. L. Craighead. No. 903,272; Nov. 10; Sp. p. 1480; Gaz. vol. 137; p. 273.
 Twine-holder. H. E. Brown. No. 904,401; Nov. 17; Sp. p. 3813; Gaz. vol. 137; p. 679.
 Twine-holder. J. M. and R. E. Pinegar. No. 904,722; Nov. 24; Sp. p. 4496; Gaz. vol. 137; p. 813.
 Twine-knotter and cutter, Hand. A. Larson. No. 895,277; Aug. 4; Sp. p. 1024; Dr. p. 214; Gaz. vol. 135; p. 1062.
 Twine-machine. J. Good. No. 902,813; Nov. 3; Sp. p. 544; Gaz. vol. 137; p. 94.
 Twine machine, Grass-. T. W. Jerrems. No. 892,059; June 30; Sp. p. 5843; Dr. p. 1257; Gaz. vol. 134; p. 2116.
 Twine machine, Grass-. K. Wessel. No. 896,783; Aug. 25; Sp. p. 4001; Dr. pp. 861-2; Gaz. vol. 135; p. 1618.
 Twine-making machine. L. J. Monahan and C. Kieren. No. 896,655; Aug. 18; Sp. p. 3711; Dr. pp. 799-800; Gaz. vol. 135; p. 1552.
 Twine or cord hanger. H. Allers. No. 886,915; May 5; Sp. p. 1159; Dr. p. 244; Gaz. vol. 134; p. 190.
 Twist-drill. G. E. Hackett. No. 893,162; July 14; Sp. p. 1579; Dr. p. 334; Gaz. vol. 135; p. 287.
 Twisting-machine. P. Hardman. No. 886,698; May 5; Sp. p. 727; Dr. pp. 149-50; Gaz. vol. 134; p. 123.
 Twisting-machine. E. Stickler. No. 894,860; Aug. 4; Sp. p. 111; Dr. pp. 24-5; Gaz. vol. 135; p. 919.
 Two-button switch. F. W. Sanford. No. 900,786; Oct. 13; Sp. p. 1527; Dr. p. 310; Gaz. vol. 136; p. 1334.
 Twyer-stock cap. R. B. Doud. No. 891,151; June 16; Sp. p. 3948; Dr. p. 865; Gaz. vol. 134; p. 1752.
 Twyers, Apparatus for making. G. W. Fieldhouse. No. 898,348; Sept. 8; Sp. p. 2231; Dr. pp. 475-6; Gaz. vol. 136; p. 387.
 Twyers, Making. G. W. Fieldhouse. No. 898,347; Sept. 8; Sp. p. 2229; Dr. pp. 474-5; Gaz. vol. 136; p. 387.
 Tying appliance. D. Backlund. No. 891,790; June 23; Sp. p. 5295; Dr. p. 1146; Gaz. vol. 134; p. 1998.
 Tying appliance. J. Smith. No. 897,795; Sept. 1; Sp. p. 1114; Dr. p. 239; Gaz. vol. 136; p. 179.
 Tying device. E. E. Braisted. No. 903,051; Nov. 3; Sp. p. 1046; Gaz. vol. 137; p. 171.
 Tying-machine. H. D. Colman. No. 905,793; Dec. 1; Sp. p. 1339; Gaz. vol. 137; p. 1204.
 Tympan-sheet. J. Fraser. No. 896,527; Aug. 18; Sp. p. 3491; Dr. p. 749; Gaz. vol. 135; p. 1513.
 Type and means for securing the same. J. McNaughton. No. 887,216; May 12; Sp. p. 1719; Dr. p. 365; Gaz. vol. 134; p. 315.
 Type and type-bars, Manufacture of. F. H. Richards. No. 886,331; Apr. 28; Sp. p. 5475; Dr. pp. 1146-7; Gaz. vol. 133; p. 2151.
 Type-bar cushion. C. Gabrielson and W. H. Stearns. No. 892,043; June 30; Sp. p. 5814; Dr. p. 1251; Gaz. vol. 134; p. 2111.
 Type-bar holder, Metal-. J. S. Duncan. No. 881,467; Mar. 10; Sp. p. 1951; Dr. p. 424; Gaz. vol. 133; p. 355.
 Type-bars, Manufacture of. F. H. Richards. No. 886,329; Apr. 28; Sp. p. 5467; Dr. p. 1145; Gaz. vol. 133; p. 2150.
 Type-cabinet, Revolving. C. F. Brainerd. No. 889,896; June 9; Sp. p. 1392; Dr. pp. 315-16; Gaz. vol. 134; p. 1309.

Alphabetical list of inventions—Continued.

- Type-case. J. G. Gallemore. No. 885,599; Apr. 21; Sp. p. 3957; Dr. p. 826; Gaz. vol. 133; p. 1877.
- Type-case. J. R. Rankin. No. 901,831; Oct. 20; Sp. p. 3698; Dr. p. 751; Gaz. vol. 136; p. 1711.
- Type-casting and composing machine. J. R. Rogers. No. 883,425; Mar. 31; Sp. p. 5877; Dr. pp. 1252-5; Gaz. vol. 133; p. 1086.
- Type-casting and composing machine. R. C. Elliott. No. 897,358; Sept. 1; Sp. p. 225; Dr. pp. 47-50; Gaz. vol. 136; p. 35.
- Type-casting and composing machine. O. V. Sigurdsson. No. 903,331; Nov. 10; Sp. p. 1584; Gaz. vol. 137; p. 292.
- Type-casting and distributing machine. J. S. Thompson. No. 903,917; Nov. 17; Sp. p. 2809; Gaz. vol. 137; p. 515.
- Type-casting and setting machine, Printing-. J. Pinel. No. 890,706; June 16; Sp. p. 3063; Dr. pp. 671-6; Gaz. vol. 134; p. 1608.
- Type, Casting lines of single. D. Petri-Palmedo. No. 884,293; Apr. 7; Sp. p. 1264; Dr. p. 266; Gaz. vol. 133; p. 1394.
- Type-casting machine. O. V. Sigurdsson. No. 889,820; June 2; Sp. p. 1223; Dr. pp. 283-4; Gaz. vol. 134; p. 1258.
- Type-casting machine. A. Schiepe. No. 891,637; June 23; Sp. p. 4987; Dr. pp. 1075-6; Gaz. vol. 134; p. 1945.
- Type-casting machine. A. W. Hanigan. No. 896,908; Aug. 25; Sp. p. 4271; Dr. pp. 913-18; Gaz. vol. 135; p. 1660.
- Type-casting means. F. H. Brown, J. E. Hanrahan, and G. A. Boyden. No. 878,185; Feb. 4; Sp. p. 612; Dr. p. 126; Gaz. vol. 132; p. 945.
- Type-casting mold. P. G. Nuernberger and G. Rettig, Jr. No. 884,754; Apr. 14; Sp. p. 2237; Dr. p. 472; Gaz. vol. 133; p. 1576.
- Type-casting mold. I. Baas. No. 902,197; Oct. 27; Sp. p. 4443; Dr. p. 899; Gaz. vol. 136; p. 1859.
- Type-chase. J. S. Duncan. No. 906,397; Dec. 8; Sp. p. 2491; Gaz. vol. 137; p. 1428.
- Type-composing machine. J. M. Dove, J. S. Bancroft, and M. C. Indahl. No. 889,913; June 9; Sp. p. 1423; Dr. pp. 322-3; Gaz. vol. 134; p. 1315.
- Type compositions on curved lines, Means for setting. H. M. Frysinger and W. W. Barrett. No. 880,875; Mar. 3; Sp. p. 807; Dr. p. 171; Gaz. vol. 133; p. 135.
- Type-distributing machine. F. B. Converse, Jr. No. 890,264; June 9; Sp. p. 2150; Dr. pp. 472-5; Gaz. vol. 134; p. 1432.
- Type, Flexible form for holding and assembling. S. Brown. No. 876,521; Jan. 14; Sp. p. 1706; Dr. p. 370; Gaz. vol. 132; p. 309.
- Type, Flexible-strip form for holding. S. Brown. No. 876,522; Jan. 14; Sp. p. 1707; Dr. p. 371; Gaz. vol. 132; p. 309.
- Type, Guide-plate for correction-. J. A. G. Harton. No. 880,883; Mar. 3; Sp. p. 819; Dr. p. 173; Gaz. vol. 133; p. 137.
- Type-holder. J. S. Duncan. No. 902,719; Nov. 3; Sp. p. 376; Gaz. vol. 137; p. 64.
- Type-machine. J. S. Bancroft and M. C. Indahl. (Reissue). No. 12,819; June 23; Sp. p. 5339; Dr. pp. 1155-6; Gaz. vol. 134; p. 2005.
- Type-making mechanism. F. H. Richards. No. 886,327; Apr. 28; Sp. p. 5458; Dr. p. 1144; Gaz. vol. 133; p. 2149.
- Type-mold. C. Huff, E. B. White, and J. T. Carter. No. 891,620; June 23; Sp. p. 4942; Dr. p. 1064; Gaz. vol. 134; p. 1939.
- Type-mold. I. Baas. No. 902,196; Oct. 27; Sp. p. 4442; Dr. p. 899; Gaz. vol. 136; p. 1859.
- Type, Printer's. A. W. Hanigan. No. 896,381; Aug. 18; Sp. p. 3191; Dr. p. 684; Gaz. vol. 135; p. 1464.
- Type setting and distributing machine. L. Roberts. No. 899,843; Sept. 29; Sp. p. 5172; Dr. pp. 1108-9; Gaz. vol. 136; p. 970.
- Type-setting and line-casting machines, Spacer for. H. Degener. No. 886,583; May 5; Sp. p. 470; Dr. p. 100; Gaz. vol. 134; p. 86.
- Type-setting machine, &c. E. F. Linke. No. 905,196; Dec. 1; Sp. p. 154; Gaz. vol. 137; p. 1008.
- Type-setting machines, Assembling attachment for. E. Terrell. No. 880,341; Feb. 25; Sp. p. 5043; Dr. p. 1065; Gaz. vol. 132; p. 1756.
- Type-washing machine. W. Danenhower. No. 902,861; Nov. 3; Sp. p. 666; Gaz. vol. 137; p. 111.
- Type-washing machine. W. Danenhower. No. 902,862; Nov. 3; Sp. p. 669; Gaz. vol. 137; p. 112.
- Type-writer. H. Moysa. No. 876,989; Jan. 21; Sp. p. 2673; Dr. pp. 581-2; Gaz. vol. 132; p. 503.
- Type-writer. W. Goerwitz. No. 878,378; Feb. 4; Sp. p. 980; Dr. pp. 197-8; Gaz. vol. 132; p. 1008.
- Type-writer. C. W. Sponsel. No. 879,207; Feb. 18; Sp. p. 2699; Dr. pp. 563-4; Gaz. vol. 132; p. 1351.
- Type-writer. G. W. Donning. No. 879,815; Feb. 18; Sp. p. 3938; Dr. pp. 825-7; Gaz. vol. 132; p. 1550.
- Type-writer. C. Booth. No. 881,459; Mar. 10; Sp. p. 1925; Dr. p. 419; Gaz. vol. 133; p. 352.
- Type-writer. P. Grützmann. No. 881,795; Mar. 10; Sp. p. 2570; Dr. p. 554; Gaz. vol. 133; p. 460.
- Type-writer. M. W. Hazen and R. W. Unlig. No. 887,192; May 12; Sp. p. 1675; Dr. p. 356; Gaz. vol. 134; p. 307.
- Type-writer. C. M. Sorensen. No. 888,856; May 26; Sp. p. 5107; Dr. p. 1088; Gaz. vol. 134; p. 916.
- Type-writer. J. W. Paul. No. 889,632; June 2; Sp. p. 866; Dr. p. 198; Gaz. vol. 134; p. 1199.
- Type-writer. E. L. Wood. No. 894,769; July 28; Sp. p. 4947; Dr. p. 1031; Gaz. vol. 135; p. 864.
- Type-writer. F. J. Dyett. No. 896,283; Aug. 18; Sp. p. 2971; Dr. p. 640; Gaz. vol. 135; p. 1433.
- Type-writer. H. Grössler. No. 900,525; Oct. 6; Sp. p. 979; Dr. p. 199; Gaz. vol. 136; p. 1222.
- Type-writer. J. W. Paul. No. 901,998; Oct. 27; Sp. p. 4057; Dr. pp. 822-3; Gaz. vol. 136; p. 1796.
- Type-writer. S. Wanner. No. 903,521; Nov. 10; Sp. p. 1973; Gaz. vol. 137; p. 354.
- Type-writer. N. L. Anderson. No. 906,600; Dec. 15; Sp. p. 2865; Gaz. vol. 137; p. 1519.
- Type-writer adding attachment. H. H. Burton. No. 883,081; Mar. 24; Sp. p. 5135; Dr. pp. 1096-7; Gaz. vol. 133; p. 942.
- Type-writer attachment. H. A. Kirby. No. 877,719; Jan. 28; Sp. p. 4156; Dr. p. 900; Gaz. vol. 132; p. 764.
- Type-writer attachment. A. W. Croushore. No. 879,941; Feb. 11; Sp. p. 2181; Dr. p. 456; Gaz. vol. 132; p. 1226.
- Type-writer attachment. J. O. Stevenson. No. 887,143; May 12; Sp. p. 1592; Dr. pp. 338-9; Gaz. vol. 134; p. 293.
- Type-writer attachment. G. J. Jezmant. No. 887,646; May 12; Sp. p. 2669; Dr. pp. 563-4; Gaz. vol. 134; p. 459.
- Type-writer attachment. J. P. Glore. No. 888,159; May 19; Sp. p. 3674; Dr. p. 767; Gaz. vol. 134; p. 656.
- Type-writer attachment. R. D. Donoho. No. 891,918; June 30; Sp. p. 5567; Dr. p. 1200; Gaz. vol. 134; p. 2072.
- Type-writer attachment. C. L. Downey. No. 902,566; Nov. 3; Sp. p. 68; Gaz. vol. 137; p. 12.
- Type-writer attachment. W. E. Birgfield. No. 907,119; Dec. 22; Sp. p. 3870; Gaz. vol. 137; p. 1719.
- Type-writer backing-sheet. H. Onashi. No. 898,916; Sept. 15; Sp. p. 3327; Dr. p. 713; Gaz. vol. 136; p. 604.
- Type-writer base-board, Screwless. F. S. Merrow. No. 880,683; Mar. 3; Sp. p. 380; Dr. p. 83; Gaz. vol. 133; p. 68.
- Type-writer cabinet. L. B. Walker. No. 894,298; July 28; Sp. p. 4033; Dr. p. 833; Gaz. vol. 135; p. 710.
- Type-writer cabinet. J. Metzler. No. 901,543; Oct. 20; Sp. p. 3104; Dr. p. 634; Gaz. vol. 136; p. 1618.
- Type-writer-carriage control. C. M. Sorensen. No. 880,174; Feb. 25; Sp. p. 4714; Dr. p. 995; Gaz. vol. 132; p. 1701.
- Type-writer carriage-return device. H. G. Mills. No. 907,079; Dec. 15; Sp. p. 3766; Gaz. vol. 137; p. 1671.
- Type-writer carriage-return mechanism. E. A. Burlingame. No. 898,310; Sept. 8; Sp. p. 2168; Dr. p. 460; Gaz. vol. 136; p. 375.
- Type-writer carriage-return mechanism. N. L. Anderson. No. 900,642; Oct. 6; Sp. p. 1224; Dr. p. 251; Gaz. vol. 136; p. 1261.
- Type-writer carriage-scale or indicator strip. R. Gradwell. No. 895,745; Aug. 11; Sp. p. 1943; Dr. p. 441; Gaz. vol. 135; p. 1238.
- Type-writer carriage-shifting mechanism. W. P. Kidder. No. 882,828; Mar. 24; Sp. p. 4642; Dr. pp. 989-90; Gaz. vol. 133; p. 899.
- Type-writer carriage-shifting mechanism. C. W. Sponsel. No. 883,753; Apr. 7; Sp. p. 142; Dr. p. 26; Gaz. vol. 133; p. 1217.
- Type-writer changeable type. G. Macis. No. 895,652; Aug. 11; Sp. p. 1745; Dr. p. 369; Gaz. vol. 135; p. 1208.
- Type-writer cover. W. M. Sykes. No. 905,762; Dec. 1; Sp. p. 1285; Gaz. vol. 137; p. 1193.
- Type-writer cushion. G. M. Redway. No. 879,903; Feb. 25; Sp. p. 4188; Dr. p. 874; Gaz. vol. 132; p. 1613.
- Type-writer, Electric. J. Lemblé. No. 884,742; Apr. 14; Sp. p. 2206; Dr. pp. 466-7; Gaz. vol. 133; p. 1571.
- Type-writer, Electrical. G. W. Donning. No. 879,814; Feb. 18; Sp. p. 3933; Dr. pp. 824-5; Gaz. vol. 132; p. 1549.
- Type-writer frame. G. A. Smith. No. 876,308; Jan. 7; Sp. p. 1232; Dr. pp. 268-9; Gaz. vol. 132; p. 206.
- Type-writer, Front-strike. C. Spiro. No. 893,947; July 21; Sp. p. 3261; Dr. pp. 671-2; Gaz. vol. 135; p. 573.
- Type-writer key and type-bar mechanism. J. Alexander. No. 887,745; May 19; Sp. p. 2863; Dr. p. 604; Gaz. vol. 134; p. 521.
- Type-writer key-lever fulcrum. C. C. Harting. No. 904,201; Nov. 17; Sp. p. 3404; Gaz. vol. 137; p. 612.
- Type-writer key-lock. W. D. Fricks. No. 892,242; June 30; Sp. p. 6190; Dr. p. 1334; Gaz. vol. 134; p. 2176.
- Type-writer liner. C. M. Sorensen. No. 881,631; Mar. 10; Sp. p. 2277; Dr. p. 494; Gaz. vol. 133; p. 409.
- Type-writer machines, Time-controlled coin-operated locking device for. H. Bates. No. 883,854; Apr. 7; Sp. p. 370; Dr. p. 72; Gaz. vol. 133; p. 1250.
- Type-writer operator. B. F. Hutches, Jr. No. 888,807; May 26; Sp. p. 5003; Dr. pp. 1067-8; Gaz. vol. 134; p. 901.
- Type-writer operator. B. F. Hutches, Jr. No. 888,808; May 26; Sp. p. 5010; Dr. pp. 1068-9; Gaz. vol. 134; p. 901.
- Type-writer paper-feed attachment. B. F. Hutches, Jr. No. 881,126; Mar. 10; Sp. p. 1263; Dr. p. 273; Gaz. vol. 133; p. 244.
- Type-writer platen. W. R. Van Slyke. No. 898,556; May 26; Sp. p. 4466; Dr. p. 946; Gaz. vol. 134; p. 819.
- Type-writer platens, Copying-cloth for. A. J. Farmer. No. 889,918; June 9; Sp. p. 1437; Dr. p. 325; Gaz. vol. 134; p. 1316.
- Type-writer ribbon attachment. C. A. Joerissen. No. 886,609; May 5; Sp. p. 527; Dr. p. 113; Gaz. vol. 134; p. 94.
- Type-writer ribbon-feed. L. P. Diss. No. 904,316; Nov. 17; Sp. p. 3661; Gaz. vol. 137; p. 652.
- Type-writer ribbon-feed mechanism. J. Völker. No. 884,691; Apr. 14; Sp. p. 2101; Dr. pp. 448-9; Gaz. vol. 133; p. 1554.
- Type-writer ribbon for use in lithographing. W. F. Clarke. No. 894,815; Aug. 4; Sp. p. 2; Dr. p. 6; Gaz. vol. 135; p. 905.
- Type-writer ribbon-inking machine. F. E. Koenekne. No. 900,936; Oct. 13; Sp. p. 1548; Dr. p. 376; Gaz. vol. 136; p. 1383.
- Type-writer ribbon mechanism. F. X. Wagner. No. 876,309; Jan. 7; Sp. p. 1234; Dr. pp. 269-70; Gaz. vol. 132; p. 206.
- Type-writer shift-frames, Auxiliary support for. T. L. Knapp. No. 904,207; Nov. 17; Sp. p. 3413; Gaz. vol. 137; p. 614.
- Type-writer shift mechanism. T. L. Knapp. No. 906,497; Dec. 8; Sp. p. 2679; Gaz. vol. 137; p. 1462.
- Type-writer, Shipper's. W. W. Frantz. No. 883,636; Mar. 31; Sp. p. 6291; Dr. pp. 1342-3; Gaz. vol. 133; p. 1151.
- Type-writer support. W. E. Fetch. No. 883,305; Mar. 31; Sp. p. 5617; Dr. pp. 1197-8; Gaz. vol. 133; p. 1046.
- Type-writer table. C. E. Kingston. No. 901,916; Oct. 20; Sp. p. 3850; Dr. p. 786; Gaz. vol. 136; p. 1739.
- Type-writer table and desk. G. A. Rausch, Jr. No. 896,664; Aug. 18; Sp. p. 3730; Dr. p. 803; Gaz. vol. 135; p. 1554.

Alphabetical list of inventions—Continued.

- Type-writer tabulating device. C. S. Labofish. No. 901,973; Oct. 27; Sp. p. 3978; Dr. pp. 811-12; Gaz. vol. 136; p. 1788.
- Type-writer tabulator. W. R. Fox. No. 880,290; Feb. 25; Sp. p. 4959; Dr. pp. 1047-8; Gaz. vol. 132; p. 1740.
- Type-writer tabulator. W. R. Fox. No. 882,058; Mar. 17; Sp. p. 3163; Dr. pp. 672-3; Gaz. vol. 133; p. 575.
- Type-writer type-bars, Hanger for. C. F. Crandall. No. 882,627; Mar. 24; Sp. p. 4253; Dr. p. 901; Gaz. vol. 133; p. 795.
- Type-writers and the like, Copy-holder for. W. L. Wood. No. 886,457; May 5; Sp. p. 228; Dr. p. 48; Gaz. vol. 134; p. 43.
- Type-writers and type-setting machines, Syllabic keyboard for. H. G. McCool. No. 886,149; Apr. 28; Sp. p. 5109; Dr. p. 1073; Gaz. vol. 133; p. 2088.
- Type-writers, Apparatus for automatically operating. T. A. McCall. No. 882,263; Mar. 17; Sp. p. 3555; Dr. pp. 754-5; Gaz. vol. 133; p. 642.
- Type-writers, Keyboard-cover for. A. L. Gilbert. No. 889,184; May 26; Sp. p. 5780; Dr. p. 1225; Gaz. vol. 134; p. 1023.
- Type-writers, Paper-movement indicator for. C. C. Poole. No. 878,743; Feb. 11; Sp. p. 1796; Dr. pp. 372-3; Gaz. vol. 132; p. 1162.
- Type-writers, Printing-point indicator for. A. May. No. 893,256; July 14; Sp. p. 1755; Dr. p. 370; Gaz. vol. 135; p. 316.
- Type-writers, Power driving mechanism for computing. E. B. Cram. No. 879,854; Feb. 25; Sp. p. 4057; Dr. pp. 850-2; Gaz. vol. 132; p. 1596.
- Type-writers, Printing-point indicator for. G. Persson. No. 895,891; Aug. 11; Sp. p. 2232; Dr. p. 476; Gaz. vol. 135; p. 1285.
- Type-writers, Type-bar mechanism for. G. A. Smith. No. 879,123; Feb. 11; Sp. p. 2540; Dr. p. 528; Gaz. vol. 132; p. 1282.
- Type-writers, Variable-spacing mechanism for. J. B. Hammond. No. 889,227; June 2; Sp. p. 73; Dr. p. 16; Gaz. vol. 134; p. 1069.
- Type-writing and adding machine, Combined. B. C. Stickney. No. 876,409; Jan. 14; Sp. p. 1446; Dr. p. 311; Gaz. vol. 132; p. 269.
- Type-writing and computing machine, Combined. H. Hanson. No. 905,421; Dec. 1; Sp. p. 580; Gaz. vol. 137; p. 1083.
- Type-writing and computing machine, Combined. H. Hanson. No. 905,422; Dec. 1; Sp. p. 608; Gaz. vol. 137; p. 1083.
- Type-writing and printing machine, Combined. W. H. Collier. No. 901,682; Oct. 20; Sp. p. 3377; Dr. pp. 691-2; Gaz. vol. 136; p. 1663.
- Type-writing machine. J. H. Birch and J. S. Foley. No. 876,136; Jan. 7; Sp. p. 884; Dr. p. 190; Gaz. vol. 132; p. 150.
- Type-writing machine. H. P. Moorrees. No. 876,379; Jan. 14; Sp. p. 1367; Dr. p. 298; Gaz. vol. 132; p. 259.
- Type-writing machine. H. P. Moorrees. No. 876,380; Jan. 14; Sp. p. 1377; Dr. pp. 298-9; Gaz. vol. 132; p. 259.
- Type-writing machine. W. V. Peterson. No. 876,393; Jan. 14; Sp. p. 1412; Dr. p. 305; Gaz. vol. 132; p. 264.
- Type-writing machine. G. B. Webb. No. 876,508; Jan. 14; Sp. p. 1663; Dr. pp. 361-2; Gaz. vol. 132; p. 304.
- Type-writing machine. J. H. Birch and J. S. Foley. No. 876,685; Jan. 14; Sp. p. 2064; Dr. p. 449; Gaz. vol. 132; p. 365.
- Type-writing machine. C. H. Shepard. No. 877,241; Jan. 21; Sp. p. 3212; Dr. p. 696; Gaz. vol. 132; p. 590.
- Type-writing machine. O. Woodward. No. 877,541; Jan. 28; Sp. p. 3814; Dr. pp. 825-6; Gaz. vol. 132; p. 708.
- Type-writing machine. H. H. Steele. No. 877,608; Jan. 28; Sp. p. 3954; Dr. pp. 854-5; Gaz. vol. 132; p. 729.
- Type-writing machine. T. J. Coe. No. 877,909; Feb. 4; Sp. p. 29; Dr. p. 6; Gaz. vol. 132; p. 853.
- Type-writing machine. H. H. Steele. No. 878,161; Feb. 4; Sp. p. 528; Dr. p. 113; Gaz. vol. 132; p. 936.
- Type-writing machine. H. H. Steele. No. 878,162; Feb. 4; Sp. p. 534; Dr. pp. 114-15; Gaz. vol. 132; p. 937.
- Type-writing machine. H. H. Steele. No. 878,163; Feb. 4; Sp. p. 548; Dr. pp. 115-16; Gaz. vol. 132; p. 937.
- Type-writing machine. J. Felbel. No. 878,196; Feb. 4; Sp. p. 627; Dr. p. 129; Gaz. vol. 132; p. 948.
- Type-writing machine. H. H. Steele. No. 878,573; Feb. 11; Sp. p. 1453; Dr. pp. 296-7; Gaz. vol. 132; p. 1107.
- Type-writing machine. H. H. Steele. No. 878,574; Feb. 11; Sp. p. 1463; Dr. pp. 297-8; Gaz. vol. 132; p. 1108.
- Type-writing machine. C. L. Fortier. No. 878,789; Feb. 11; Sp. p. 1898; Dr. p. 391; Gaz. vol. 132; p. 1178.
- Type-writing machine. H. R. White. No. 878,846; Feb. 11; Sp. p. 1992; Dr. p. 413; Gaz. vol. 132; p. 1195.
- Type-writing machine. J. C. McLaughlin. No. 878,988; Feb. 11; Sp. p. 2261; Dr. p. 473; Gaz. vol. 132; p. 1240.
- Type-writing machine. W. P. Kidder and C. W. Sponsel. No. 879,107; Feb. 11; Sp. p. 2498; Dr. p. 520; Gaz. vol. 132; p. 1277.
- Type-writing machine. B. C. Stickney. No. 879,598; Feb. 18; Sp. p. 3522; Dr. pp. 737-8; Gaz. vol. 132; p. 1479.
- Type-writing machine. J. Felbel. No. 880,375; Feb. 25; Sp. p. 5100; Dr. p. 1079; Gaz. vol. 132; p. 1767.
- Type-writing machine. C. C. McPhee. No. 880,391; Feb. 25; Sp. p. 5139; Dr. pp. 1085-7; Gaz. vol. 132; p. 1772.
- Type-writing machine. H. H. Steele. No. 880,591; Mar. 3; Sp. p. 205; Dr. pp. 44-5; Gaz. vol. 133; p. 37.
- Type-writing machine. A. F. Smith. No. 881,205; Mar. 10; Sp. p. 1409; Dr. pp. 304-5; Gaz. vol. 133; p. 270.
- Type-writing machine. F. A. Young. No. 881,275; Mar. 10; Sp. p. 1572; Dr. p. 336; Gaz. vol. 133; p. 294.
- Type-writing machine. Z. G. Sholes. No. 881,350; Mar. 10; Sp. p. 1702; Dr. p. 369; Gaz. vol. 133; p. 317.
- Type-writing machine. F. J. Dyett. No. 881,910; Mar. 17; Sp. p. 2847; Dr. p. 608; Gaz. vol. 133; p. 527.
- Type-writing machine. F. A. Young. No. 882,042; Mar. 17; Sp. p. 3139; Dr. p. 666; Gaz. vol. 133; p. 570.
- Type-writing machine. J. Felbel. No. 882,104; Mar. 17; Sp. p. 3248; Dr. pp. 690-1; Gaz. vol. 133; p. 591.
- Type-writing machine. C. Gibbs. No. 882,246; Mar. 17; Sp. p. 3516; Dr. p. 746; Gaz. vol. 133; p. 635.
- Type-writing machine. A. T. Brown. No. 882,993; Mar. 24; Sp. p. 4974; Dr. pp. 1058-9; Gaz. vol. 133; p. 914.
- Type-writing machine. J. A. Edlund. No. 883,393; Mar. 31; Sp. p. 5806; Dr. p. 1239; Gaz. vol. 133; p. 1074.
- Type-writing machine. C. E. Kelley. No. 883,462; Mar. 31; Sp. p. 5959; Dr. p. 1271; Gaz. vol. 133; p. 1098.
- Type-writing machine. J. C. McLaughlin. No. 883,470; Mar. 31; Sp. p. 5972; Dr. pp. 1274-5; Gaz. vol. 133; p. 1101.
- Type-writing machine. E. B. Hess. No. 884,155; Apr. 7; Sp. p. 1033; Dr. p. 215; Gaz. vol. 133; p. 1351.
- Type-writing machine. E. A. Yetman. No. 884,347; Apr. 7; Sp. p. 1357; Dr. pp. 290-2; Gaz. vol. 133; p. 1411.
- Type-writing machine. C. E. Kelley. No. 884,591; Apr. 14; Sp. p. 1862; Dr. p. 401; Gaz. vol. 133; p. 1520.
- Type-writing machine. H. A. Carhart. No. 884,638; Apr. 14; Sp. p. 1964; Dr. p. 422; Gaz. vol. 133; p. 1536.
- Type-writing machine. W. H. Howell. No. 884,735; Apr. 14; Sp. p. 2186; Dr. p. 464; Gaz. vol. 133; p. 1569.
- Type-writing machine. S. H. Farnham. No. 884,915; Apr. 14; Sp. p. 2540; Dr. pp. 537-9; Gaz. vol. 133; p. 1626.
- Type-writing machine. C. Gibbs. No. 884,950; Apr. 14; Sp. p. 2677; Dr. p. 569; Gaz. vol. 133; p. 1646.
- Type-writing machine. W. Kraft. No. 885,057; Apr. 21; Sp. p. 2843; Dr. p. 604; Gaz. vol. 133; p. 1704.
- Type-writing machine. J. H. Jackson. No. 885,346; Apr. 21; Sp. p. 3468; Dr. p. 722; Gaz. vol. 133; p. 1800.
- Type-writing machine. G. A. McLean. No. 885,509; Apr. 21; Sp. p. 3762; Dr. p. 791; Gaz. vol. 133; p. 1850.
- Type-writing machine. J. B. Hennessy. No. 885,619; Apr. 21; Sp. p. 3998; Dr. pp. 835-6; Gaz. vol. 133; p. 1884.
- Type-writing machine. C. J. Bond. No. 885,715; Apr. 28; Sp. p. 4205; Dr. p. 879; Gaz. vol. 133; p. 1945.
- Type-writing machine. A. T. Brown. No. 885,716; Apr. 28; Sp. p. 4207; Dr. pp. 880-1; Gaz. vol. 133; p. 1945.
- Type-writing machine. M. H. Flynn. No. 885,742; Apr. 28; Sp. p. 4271; Dr. p. 893; Gaz. vol. 133; p. 1954.
- Type-writing machine. C. S. Labofish. No. 885,764; Apr. 28; Sp. p. 4315; Dr. p. 905; Gaz. vol. 133; p. 1961.
- Type-writing machine. A. A. Morey. No. 886,392; May 5; Sp. p. 99; Dr. p. 20; Gaz. vol. 134; p. 22.
- Type-writing machine. F. Völker. No. 886,557; May 5; Sp. p. 424; Dr. p. 90; Gaz. vol. 134; p. 78.
- Type-writing machine. F. A. Young. No. 886,570; May 5; Sp. p. 446; Dr. p. 95; Gaz. vol. 134; p. 82.
- Type-writing machine. B. C. Stickney. No. 886,660; May 5; Sp. p. 634; Dr. pp. 131-2; Gaz. vol. 134; p. 109.
- Type-writing machine. A. T. Brown. No. 886,759; May 5; Sp. p. 872; Dr. pp. 181-2; Gaz. vol. 134; p. 144.
- Type-writing machine. A. Fuhlendorf and J. Grothe. No. 887,083; May 12; Sp. p. 1486; Dr. pp. 315-16; Gaz. vol. 134; p. 274.
- Type-writing machine. H. S. McCormack. No. 887,419; May 12; Sp. p. 2231; Dr. p. 467; Gaz. vol. 134; p. 385.
- Type-writing machine. A. T. Brown. No. 887,584; May 12; Sp. p. 2547; Dr. pp. 537-8; Gaz. vol. 134; p. 439.
- Type-writing machine. B. C. Stickney. No. 887,976; May 19; Sp. p. 3326; Dr. p. 699; Gaz. vol. 134; p. 599.
- Type-writing machine. F. W. Sickles. No. 888,428; May 19; Sp. p. 4201; Dr. p. 891; Gaz. vol. 134; p. 745.
- Type-writing machine. C. A. Bennett. No. 888,457; May 26; Sp. p. 4263; Dr. pp. 902-3; Gaz. vol. 134; p. 784.
- Type-writing machine. H. W. Merritt. No. 888,832; May 26; Sp. p. 5058; Dr. pp. 1079-80; Gaz. vol. 134; p. 908.
- Type-writing machine. M. W. Pool. No. 888,925; May 26; Sp. p. 5255; Dr. p. 1115; Gaz. vol. 134; p. 941.
- Type-writing machine. J. A. Ronchetti. No. 888,934; May 26; Sp. p. 5273; Dr. pp. 1118-19; Gaz. vol. 134; p. 944.
- Type-writing machine. A. T. Brown and A. J. Briggs. No. 889,102; May 26; Sp. p. 5599; Dr. p. 1186; Gaz. vol. 134; p. 996.
- Type-writing machine. J. C. McLaughlin. No. 889,144; May 26; Sp. p. 5686; Dr. p. 1203; Gaz. vol. 134; p. 1010.
- Type-writing machine. B. C. Stickney. No. 889,344; June 2; Sp. p. 233; Dr. p. 70; Gaz. vol. 134; p. 1106.
- Type-writing machine. A. W. Hewitt. No. 889,605; June 2; Sp. p. 816; Dr. pp. 186-7; Gaz. vol. 134; p. 1190.
- Type-writing machine. J. C. McLaughlin. No. 889,855; June 2; Sp. p. 1290; Dr. p. 296; Gaz. vol. 134; p. 1270.
- Type-writing machine. J. C. McLaughlin. No. 890,370; June 9; Sp. p. 2378; Dr. pp. 524-5; Gaz. vol. 134; p. 1466.
- Type-writing machine. S. Nielsen. No. 889,954; June 9; Sp. p. 1501; Dr. p. 341; Gaz. vol. 134; p. 1328.
- Type-writing machine. S. Nielsen. No. 889,955; June 9; Sp. p. 1507; Dr. p. 341; Gaz. vol. 134; p. 1328.
- Type-writing machine. J. Felbel. No. 890,037; June 9; Sp. p. 1687; Dr. p. 375; Gaz. vol. 134; p. 1357.
- Type-writing machine. C. J. Bond. No. 890,120; June 9; Sp. p. 1852; Dr. p. 408; Gaz. vol. 134; p. 1385.
- Type-writing machine. W. F. Helmond. No. 890,358; June 9; Sp. p. 2361; Dr. p. 521; Gaz. vol. 134; p. 1462.
- Type-writing machine. C. E. Kelley. No. 890,361; June 9; Sp. p. 2366; Dr. p. 522; Gaz. vol. 134; p. 1463.
- Type-writing machine. R. J. Orr. No. 890,372; June 9; Sp. p. 2385; Dr. p. 526; Gaz. vol. 134; p. 1467.
- Type-writing machine. B. C. Schultz. No. 890,715; June 16; Sp. p. 3096; Dr. p. 679; Gaz. vol. 134; p. 1611.
- Type-writing machine. J. C. McLaughlin. No. 890,867; June 16; Sp. p. 3398; Dr. p. 745; Gaz. vol. 134; p. 1662.
- Type-writing machine. J. C. Doane. No. 891,047; June 16; Sp. p. 3771; Dr. pp. 823-5; Gaz. vol. 134; p. 1721.
- Type-writing machine. J. Hutchinson. No. 891,073; June 16; Sp. p. 3824; Dr. p. 835; Gaz. vol. 134; p. 1729.
- Type-writing machine. E. L. Pfunder. No. 891,095; June 16; Sp. p. 3856; Dr. p. 843; Gaz. vol. 134; p. 1736.

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- Type-writing machine. E. E. Barney. No. 891,453; June 23; Sp. p. 4591; Dr. p. 998; Gaz. vol. 134; p. 1885.
 Type-writing machine. G. A. Seib. No. 891,806; June 23; Sp. p. 5329; Dr. p. 1154; Gaz. vol. 134; p. 2004.
 Type-writing machine. H. W. Merritt. No. 891,849; June 30; Sp. p. 5431; Dr. pp. 1174-5; Gaz. vol. 134; p. 2048.
 Type-writing machine. M. W. Pool. No. 892,618; July 7; Sp. p. 420; Dr. pp. 93-4; Gaz. vol. 135; p. 78.
 Type-writing machine. H. H. Steele. No. 892,627; July 7; Sp. p. 450; Dr. pp. 97-8; Gaz. vol. 135; p. 82.
 Type-writing machine. A. W. Hewitt. No. 892,724; July 7; Sp. p. 651; Dr. p. 138; Gaz. vol. 135; p. 113.
 Type-writing machine. T. J. Reed. No. 893,373; July 14; Sp. p. 1970; Dr. p. 414; Gaz. vol. 135; p. 355.
 Type-writing machine. G. F. Stillman. No. 893,397; July 14; Sp. p. 2015; Dr. p. 422; Gaz. vol. 135; p. 363.
 Type-writing machine. E. E. Barney. No. 893,422; July 14; Sp. p. 2077; Dr. p. 436; Gaz. vol. 135; p. 371.
 Type-writing machine. D. Briggs and W. H. Shepard. No. 893,564; July 14; Sp. p. 2398; Dr. pp. 502-3; Gaz. vol. 135; p. 417.
 Type-writing machine. A. W. Smith. No. 893,817; July 21; Sp. p. 3006; Dr. p. 615; Gaz. vol. 135; p. 532.
 Type-writing machine. O. Woodward. No. 893,826; July 21; Sp. p. 3029; Dr. pp. 619-20; Gaz. vol. 135; p. 535.
 Type-writing machine. O. Woodward. No. 893,827; July 21; Sp. p. 3033; Dr. p. 620; Gaz. vol. 135; p. 535.
 Type-writing machine. O. Woodward. No. 893,828; July 21; Sp. p. 3035; Dr. p. 621; Gaz. vol. 135; p. 536.
 Type-writing machine. O. Woodward. No. 893,829; July 21; Sp. p. 3040; Dr. p. 621; Gaz. vol. 135; p. 536.
 Type-writing machine. B. E. McSheehy. No. 893,860; July 21; Sp. p. 3100; Dr. p. 634; Gaz. vol. 135; p. 546.
 Type-writing machine. W. J. Barron. No. 893,971; July 21; Sp. p. 3323; Dr. p. 682; Gaz. vol. 135; p. 582.
 Type-writing machine. J. Hinkley. No. 895,088; Aug. 4; Sp. p. 624; Dr. p. 129; Gaz. vol. 135; p. 998.
 Type-writing machine. C. W. Brown. No. 895,238; Aug. 4; Sp. p. 937; Dr. pp. 197-8; Gaz. vol. 135; p. 1049.
 Type-writing machine. H. A. Briggs. No. 895,720; Aug. 11; Sp. p. 1886; Dr. p. 400; Gaz. vol. 135; p. 1230.
 Type-writing machine. C. E. Smith. No. 895,807; Aug. 11; Sp. p. 2074; Dr. pp. 439-40; Gaz. vol. 135; p. 1258.
 Type-writing machine. C. E. Tomlinson. No. 895,912; Aug. 11; Sp. p. 2264; Dr. p. 484; Gaz. vol. 135; p. 1291.
 Type-writing machine. J. Felbel. No. 895,996; Aug. 11; Sp. p. 2446; Dr. pp. 528-9; Gaz. vol. 135; p. 1319.
 Type-writing machine. J. Felbel. No. 896,096; Aug. 18; Sp. p. 2625; Dr. p. 568; Gaz. vol. 135; p. 1373.
 Type-writing machine. C. B. Yaw. No. 896,502; Aug. 18; Sp. p. 3437; Dr. pp. 739-40; Gaz. vol. 135; p. 1505.
 Type-writing machine. E. E. Barney. No. 896,680; Aug. 18; Sp. p. 3770; Dr. pp. 814-16; Gaz. vol. 135; p. 1559.
 Type-writing machine. B. A. Brooks. No. 896,707; Aug. 25; Sp. p. 3828; Dr. pp. 823-9; Gaz. vol. 135; p. 1591.
 Type-writing machine. O. Woodward. No. 896,789; Aug. 25; Sp. p. 4018; Dr. p. 865; Gaz. vol. 135; p. 1620.
 Type-writing machine. E. E. Barney and H. H. Steele. No. 896,791; Aug. 25; Sp. p. 4023; Dr. p. 866; Gaz. vol. 135; p. 1621.
 Type-writing machine. W. W. Hopkins. No. 896,913; Aug. 25; Sp. p. 4307; Dr. pp. 921-3; Gaz. vol. 135; p. 1662.
 Type-writing machine. E. C. Dunbar. No. 896,977; Aug. 25; Sp. p. 4452; Dr. p. 952; Gaz. vol. 135; p. 1683.
 Type-writing machine. W. E. Barnard. No. 897,248; Aug. 25; Sp. p. 5084; Dr. p. 1061; Gaz. vol. 135; p. 1775.
 Type-writing machine. B. A. Brooks. No. 897,269; Sept. 1; Sp. p. 13; Dr. pp. 3-4; Gaz. vol. 136; p. 5.
 Type-writing machine. A. F. Decker. No. 897,272; Sept. 1; Sp. p. 20; Dr. pp. 5-6; Gaz. vol. 136; p. 6.
 Type-writing machine. C. H. Shepard. No. 897,308; Sept. 1; Sp. p. 71; Dr. p. 18; Gaz. vol. 136; p. 16.
 Type-writing machine. W. F. Helmond. No. 897,366; Sept. 1; Sp. p. 255; Dr. p. 52; Gaz. vol. 136; p. 38.
 Type-writing machine. G. F. Stillman. No. 897,425; Sept. 1; Sp. p. 384; Dr. p. 81; Gaz. vol. 136; p. 59.
 Type-writing machine. E. B. Hess. No. 897,533; Sept. 1; Sp. p. 604; Dr. p. 126; Gaz. vol. 136; p. 95.
 Type-writing machine. T. Cahill. No. 897,969; Sept. 8; Sp. p. 1494; Dr. pp. 317-18; Gaz. vol. 136; p. 265.
 Type-writing machine. J. Felbel. No. 898,635; Sept. 15; Sp. p. 2814; Dr. pp. 601-2; Gaz. vol. 136; p. 514.
 Type-writing machine. J. Felbel. No. 898,636; Sept. 15; Sp. p. 2821; Dr. pp. 602-3; Gaz. vol. 136; p. 514.
 Type-writing machine. J. W. Paul. No. 898,676; Sept. 15; Sp. p. 2895; Dr. pp. 619-20; Gaz. vol. 136; p. 527.
 Type-writing machine. M. W. Pool. No. 899,615; Sept. 29; Sp. p. 4687; Dr. pp. 1005-6; Gaz. vol. 136; p. 895.
 Type-writing machine. M. W. Pool. No. 899,616; Sept. 29; Sp. p. 4695; Dr. pp. 1006-7; Gaz. vol. 136; p. 895.
 Type-writing machine. C. E. Smith. No. 899,847; Sept. 29; Sp. p. 5189; Dr. p. 1112; Gaz. vol. 136; p. 971.
 Type-writing machine. W. W. Steiger. No. 899,848; Sept. 29; Sp. p. 5193; Dr. pp. 1112-13; Gaz. vol. 136; p. 972.
 Type-writing machine. O. Woodward. No. 900,461; Oct. 6; Sp. p. 839; Dr. pp. 170-1; Gaz. vol. 136; p. 1202.
 Type-writing machine. J. C. McLaughlin. No. 900,574; Oct. 6; Sp. p. 1078; Dr. p. 221; Gaz. vol. 136; p. 1238.
 Type-writing machine. J. H. Jackson. No. 900,931; Oct. 13; Sp. p. 1839; Dr. pp. 374-5; Gaz. vol. 136; p. 1382.
 Type-writing machine. M. W. Pool. No. 901,259; Oct. 13; Sp. p. 2439; Dr. pp. 501-2; Gaz. vol. 136; p. 1485.
 Type-writing machine. H. W. Merritt. No. 901,952; Oct. 27; Sp. p. 4023; Dr. pp. 816-17; Gaz. vol. 136; p. 1791.
 Type-writing machine. H. H. Steele. No. 902,012; Oct. 27; Sp. p. 4078; Dr. p. 828; Gaz. vol. 136; p. 1801.
 Type-writing machine. O. Woodward. No. 902,039; Oct. 27; Sp. p. 4131; Dr. pp. 836-8; Gaz. vol. 136; p. 1809.
 Type-writing machine. G. J. Barrett. No. 902,131; Oct. 27; Sp. p. 4307; Dr. p. 873; Gaz. vol. 136; p. 1838.
 Type-writing machine. J. W. Paul. No. 902,506; Oct. 27; Sp. p. 5130; Dr. p. 1039; Gaz. vol. 136; p. 1963.
 Type-writing machine. J. W. Paul. No. 902,507; Oct. 27; Sp. p. 5133; Dr. pp. 1039-40; Gaz. vol. 136; p. 1963.
 Type-writing machine. E. E. Barney. No. 902,519; Oct. 27; Sp. p. 5153; Dr. p. 1044; Gaz. vol. 136; p. 1968.
 Type-writing machine. W. C. Farnum. No. 902,525; Oct. 27; Sp. p. 5164; Dr. pp. 1046-7; Gaz. vol. 136; p. 1969.
 Type-writing machine. L. Faverio. No. 902,571; Nov. 3; Sp. p. 74; Gaz. vol. 137; p. 13.
 Type-writing machine. J. Felbel. No. 902,572; Nov. 3; Sp. p. 76; Gaz. vol. 137; p. 13.
 Type-writing machine. C. H. Shepard. No. 903,327; Nov. 10; Sp. p. 1575; Gaz. vol. 137; p. 291.
 Type-writing machine. G. F. Ballou. No. 903,434; Nov. 10; Sp. p. 1785; Gaz. vol. 137; p. 325.
 Type-writing machine. A. T. Brown and C. E. Tomlinson. No. 903,442; Nov. 10; Sp. p. 1797; Gaz. vol. 137; p. 327.
 Type-writing machine. A. T. Brown and J. H. Barr. No. 903,443; Nov. 10; Sp. p. 1801; Gaz. vol. 137; p. 328.
 Type-writing machine. A. T. Brown. No. 903,444; Nov. 10; Sp. p. 1804; Gaz. vol. 137; p. 328.
 Type-writing machine. J. Felbel. No. 903,461; Nov. 10; Sp. p. 1840; Gaz. vol. 137; p. 334.
 Type-writing machine. C. Gabrielson. No. 903,466; Nov. 10; Sp. p. 1858; Gaz. vol. 137; p. 336.
 Type-writing machine. B. C. Stickney. No. 903,517; Nov. 10; Sp. p. 1965; Gaz. vol. 137; p. 353.
 Type-writing machine. E. L. Pfunder. No. 903,765; Nov. 10; Sp. p. 2455; Gaz. vol. 137; p. 430.
 Type-writing machine. H. A. Briggs. No. 903,810; Nov. 10; Sp. p. 2554; Gaz. vol. 137; p. 447.
 Type-writing machine. H. S. McCormack. No. 904,002; Nov. 17; Sp. p. 2974; Gaz. vol. 137; p. 543.
 Type-writing machine. H. L. Wagner. No. 904,029; Nov. 17; Sp. p. 3028; Gaz. vol. 137; p. 552.
 Type-writing machine. W. C. Farnum. No. 904,055; Nov. 17; Sp. p. 3082; Gaz. vol. 137; p. 560.
 Type-writing machine. G. A. Seib. No. 904,155; Nov. 17; Sp. p. 3289; Gaz. vol. 137; p. 598.
 Type-writing machine. F. A. Young. No. 904,170; Nov. 17; Sp. p. 3334; Gaz. vol. 137; p. 601.
 Type-writing machine. W. J. Barron. No. 904,171; Nov. 17; Sp. p. 3339; Gaz. vol. 137; p. 602.
 Type-writing machine. W. E. Burnett. No. 904,177; Nov. 17; Sp. p. 3356; Gaz. vol. 137; p. 604.
 Type-writing machine. T. L. Knapp. No. 904,208; Nov. 17; Sp. p. 3417; Gaz. vol. 137; p. 615.
 Type-writing machine. G. A. Seib. No. 904,233; Nov. 17; Sp. p. 3483; Gaz. vol. 137; p. 624.
 Type-writing machine. W. F. Helmond. No. 904,430; Nov. 17; Sp. p. 3877; Gaz. vol. 137; p. 639.
 Type-writing machine. E. E. Barney. No. 904,669; Nov. 24; Sp. p. 4383; Gaz. vol. 137; p. 796.
 Type-writing machine. W. C. Farnum. No. 904,688; Nov. 24; Sp. p. 4420; Gaz. vol. 137; p. 802.
 Type-writing machine. J. Felbel. No. 904,689; Nov. 24; Sp. p. 4427; Gaz. vol. 137; p. 802.
 Type-writing machine. H. W. Merritt. No. 904,708; Nov. 24; Sp. p. 4464; Gaz. vol. 137; p. 809.
 Type-writing machine. H. L. Wagner. No. 904,737; Nov. 24; Sp. p. 4528; Gaz. vol. 137; p. 819.
 Type-writing machine. J. Oppenheim. No. 904,803; Nov. 24; Sp. p. 4677; Gaz. vol. 137; p. 841.
 Type-writing machine. H. C. Ferguson. No. 904,857; Nov. 24; Sp. p. 4798; Gaz. vol. 137; p. 860.
 Type-writing machine. H. C. Ferguson. No. 904,858; Nov. 24; Sp. p. 4803; Gaz. vol. 137; p. 860.
 Type-writing machine. H. C. Ferguson. No. 904,859; Nov. 24; Sp. p. 4807; Gaz. vol. 137; p. 861.
 Type-writing machine. L. A. McKeever. No. 904,982; Nov. 24; Sp. p. 5048; Gaz. vol. 137; p. 900.
 Type-writing machine. H. H. Steele. No. 905,013; Nov. 24; Sp. p. 5112; Gaz. vol. 137; p. 911.
 Type-writing machine. J. C. McLaughlin. No. 905,091; Nov. 24; Sp. p. 5259; Gaz. vol. 137; p. 937.
 Type-writing machine. H. L. Wagner. No. 906,589; Dec. 15; Sp. p. 2852; Gaz. vol. 137; p. 1516.
 Type-writing machine. W. C. Farnum. No. 906,699; Dec. 15; Sp. p. 3054; Gaz. vol. 137; p. 1550.
 Type-writing machine. C. E. Smith. No. 906,746; Dec. 15; Sp. p. 3153; Gaz. vol. 137; p. 1566.
 Type-writing machine. E. F. N. Branson. No. 907,450; Dec. 22; Sp. p. 4554; Gaz. vol. 137; p. 1833.
 Type-writing machine. J. C. McLaughlin. No. 907,632; Dec. 22; Sp. p. 4937; Gaz. vol. 137; p. 1891.
 Type-writing machine. A. T. Brown. No. 907,730; Dec. 29; Sp. p. 5157; Gaz. vol. 137; p. 1953.
 Type-writing-machine attachment. E. T. Hills. No. 880,077; Feb. 25; Sp. p. 4526; Dr. p. 953; Gaz. vol. 132; p. 1669.
 Type-writing-machine attachment. F. P. Gorin. No. 890,507; June 9; Sp. p. 2631; Dr. pp. 582-3; Gaz. vol. 134; p. 1510.
 Type-writing-machine line-spacer. J. S. Southerden. No. 886,432; May 5; Sp. p. 183; Dr. p. 39; Gaz. vol. 134; p. 35.
 Type-writing-machine line-spacer. J. S. Southerden. No. 886,433; May 5; Sp. p. 184; Dr. p. 40; Gaz. vol. 134; p. 35.
 Type-writing-machine platen. E. C. Phillips. No. 883,909; Apr. 7; Sp. p. 482; Dr. p. 95; Gaz. vol. 133; p. 1269.

Alphabetical list of inventions—Continued.

- Type-writing-machine platen shift-key. S. B. Prentiss. No. 879,317; Feb. 13; Sp. p. 2917; Dr. p. 608; Gaz. vol. 132; p. 1388.
 Type-writing-machine ribbon-feed mechanism. E. B. Cram. No. 896,803; Aug. 25; Sp. p. 4048; Dr. p. 872; Gaz. vol. 135; p. 1625.
 Type-writing-machine ribbon mechanism. F. Heuser. No. 876,454; Jan. 14; Sp. p. 1550; Dr. pp. 332-3; Gaz. vol. 132; p. 285.
 Type-writing-machine ribbon mechanism. W. R. Fox. No. 879,159; Feb. 18; Sp. p. 2606; Dr. pp. 542-3; Gaz. vol. 132; p. 1335.
 Type-writing-machine ribbon mechanism. J. W. Kennedy. No. 894,661; July 28; Sp. p. 4750; Dr. pp. 986-7; Gaz. vol. 135; p. 829.
 Type-writing-machine ribbon mechanism. T. L. Knapp. No. 903,823; Nov. 10; Sp. p. 2581; Gaz. vol. 137; p. 451.
 Type-writing-machine ribbon mechanism, Front-strike. W. R. Fox. No. 880,648; Mar. 3; Sp. p. 317; Dr. pp. 70-1; Gaz. vol. 133; p. 56.
 Type-writing-machine ribbon-reversing mechanism. W. P. Kidder. No. 882,829; Mar. 24; Sp. p. 4649; Dr. p. 990; Gaz. vol. 133; p. 860.
 Type-writing-machine ribbon-spool. G. B. Brand. No. 902,552; Nov. 3; Sp. p. 29; Gaz. vol. 137; p. 6.
 Type-writing-machine spacing device. C. J. Mohns. No. 892,964; July 7; Sp. p. 1151; Dr. p. 242; Gaz. vol. 135; p. 193.
 Type-writing-machine tabulating appliance. H. S. Dukes and W. H. Clayton. No. 908,220; Dec. 29; Sp. p. 6196; Gaz. vol. 137; p. 2117.
 Type-writing-machine tabulating attachment. H. K. Henry. No. 892,050; June 30; Sp. p. 5826; Dr. pp. 1253-4; Gaz. vol. 134; p. 2113.
 Type-writing-machine tabulating mechanism. H. S. Dukes and W. H. Clayton. No. 908,221; Dec. 29; Sp. p. 6204; Gaz. vol. 137; p. 2117.
 Type-writing-machines, Paper-guide for carriages of. T. L. Knapp. No. 903,482; Nov. 10; Sp. p. 1893; Gaz. vol. 137; p. 342.
 Type-writing-machines, Ribbon-throw mechanism for. T. Oliver. No. 895,671; Aug. 11; Sp. p. 1788; Dr. p. 380; Gaz. vol. 135; p. 1214.
 Type-writing-machines, Shift mechanism for. J. B. Secor. No. 878,244; Feb. 4; Sp. p. 721; Dr. p. 146; Gaz. vol. 132; p. 964.
 Types and lines of type, Apparatus for making. F. H. Richards. No. 886,328; Apr. 28; Sp. p. 5462; Dr. p. 1145; Gaz. vol. 133; p. 2150.
 Types and lines of type, Mechanism for making. F. H. Richards. No. 886,330; Apr. 28; Sp. p. 5470; Dr. p. 1146; Gaz. vol. 133; p. 2150.
 Typographer's composing and founding machine. H. Burris. No. 902,134; Oct. 27; Sp. p. 4316; Dr. p. 874; Gaz. vol. 136; p. 1839.
 Typographic machine. F. H. Richards. No. 881,955; Mar. 17; Sp. p. 2940; Dr. p. 627; Gaz. vol. 133; p. 543.
 Typographic machine. F. H. Richards. No. 892,624; July 7; Sp. p. 439; Dr. pp. 96-7; Gaz. vol. 135; p. 80.
 Typographic machine. F. H. Richards. No. 892,891; July 7; Sp. p. 1005; Dr. pp. 211-12; Gaz. vol. 135; p. 167.
 Umbrella. A. N. Sanford. No. 879,678; Feb. 18; Sp. p. 3687; Dr. p. 771; Gaz. vol. 132; p. 1505.
 Umbrella. C. H. Hill. No. 885,752; Apr. 28; Sp. p. 4291; Dr. p. 898; Gaz. vol. 133; p. 1957.
 Umbrella. W. B. Thines. No. 885,804; Apr. 28; Sp. p. 4403; Dr. p. 923; Gaz. vol. 133; p. 1974.
 Umbrella. G. W. Rugg. No. 886,078; Apr. 28; Sp. p. 4964; Dr. pp. 1044-5; Gaz. vol. 133; p. 2065.
 Umbrella. A. H. Hixson. No. 886,125; Apr. 28; Sp. p. 5069; Dr. p. 1064; Gaz. vol. 133; p. 2081.
 Umbrella. T. A. Stombaugh. No. 886,890; May 5; Sp. p. 1115; Dr. p. 233; Gaz. vol. 134; p. 183.
 Umbrella. W. A. Moore. No. 887,493; May 12; Sp. p. 2388; Dr. p. 502; Gaz. vol. 134; p. 410.
 Umbrella. J. A. Eberle. No. 899,718; Sept. 29; Sp. p. 4897; Dr. p. 1050; Gaz. vol. 136; p. 927.
 Umbrella. L. F. Teets. No. 907,916; Dec. 29; Sp. p. 5540; Gaz. vol. 137; p. 2014.
 Umbrella and cane, Folding. W. H. Gaskill. No. 905,687; Dec. 1; Sp. p. 1140; Gaz. vol. 137; p. 1168.
 Umbrella attachment. B. M. Nye. No. 906,456; Dec. 8; Sp. p. 2602; Gaz. vol. 137; p. 1448.
 Umbrella, Collapsible. J. Bellis. No. 883,277; Mar. 31; Sp. p. 5558; Dr. p. 1186; Gaz. vol. 133; p. 1037.
 Umbrella-cover. E. Scott. No. 901,198; Oct. 13; Sp. p. 2331; Dr. p. 477; Gaz. vol. 136; p. 1467.
 Umbrella-covering, Removable. M. E. Paris. No. 883,476; Mar. 31; Sp. p. 5986; Dr. p. 1277; Gaz. vol. 133; p. 1103.
 Umbrella crown and runner. H. C. Warfel. No. 883,503; Mar. 31; Sp. p. 6041; Dr. p. 1289; Gaz. vol. 133; p. 1112.
 Umbrella, Foldable. J. E. Hannon. No. 897,096; Aug. 25; Sp. p. 4683; Dr. pp. 998-9; Gaz. vol. 135; p. 1722.
 Umbrella, Folding. G. M. Peters. No. 878,558; Feb. 11; Sp. p. 1425; Dr. p. 291; Gaz. vol. 132; p. 1102.
 Umbrella, Folding. W. C. Wallar. No. 879,072; Feb. 11; Sp. p. 2410; Dr. p. 505; Gaz. vol. 132; p. 1265.
 Umbrella, Folding. W. Thedorf. No. 880,427; Feb. 25; Sp. p. 5235; Dr. p. 1101; Gaz. vol. 132; p. 1785.
 Umbrella, Folding. H. P. Petersen. No. 881,825; Mar. 10; Sp. p. 2646; Dr. p. 568; Gaz. vol. 133; p. 470.
 Umbrella, Folding. M. B. Smith. No. 883,675; Mar. 31; Sp. p. 6378; Dr. p. 1360; Gaz. vol. 133; p. 1163.
 Umbrella, Folding. J. Casale. No. 884,712; Apr. 14; Sp. p. 2147; Dr. p. 456; Gaz. vol. 133; p. 1561.
 Umbrella, Folding. W. J. Geib. No. 885,602; Apr. 21; Sp. p. 3963; Dr. p. 827; Gaz. vol. 133; p. 1878.
 Umbrella, Folding. G. C. Shivers. No. 886,426; May 5; Sp. p. 169; Dr. p. 35; Gaz. vol. 134; p. 32.
 Umbrella, Folding. N. Spanick. No. 886,885; May 5; Sp. p. 1108; Dr. p. 232; Gaz. vol. 134; p. 181.
 Umbrella, Folding. C. Stone. No. 888,363; May 19; Sp. p. 4056; Dr. p. 855; Gaz. vol. 134; p. 722.
 Umbrella, Folding. J. Casale. No. 888,468; May 26; Sp. p. 4287; Dr. p. 908; Gaz. vol. 134; p. 788.
 Umbrella, Folding. J. F. Dolles. No. 892,813; July 7; Sp. p. 823; Dr. p. 176; Gaz. vol. 135; p. 141.
 Umbrella, Folding. C. R. Wheeler. No. 894,413; July 28; Sp. p. 4270; Dr. p. 881; Gaz. vol. 135; p. 748.
 Umbrella, Folding. J. J. MacCreedy. No. 896,308; Aug. 18; Sp. p. 3041; Dr. p. 654; Gaz. vol. 135; p. 1441.
 Umbrella, Folding. T. J. Dague. No. 897,195; Aug. 25; Sp. p. 4864; Dr. p. 1035; Gaz. vol. 135; p. 1753.
 Umbrella, Folding. R. B. Hayden. No. 907,231; Dec. 22; Sp. p. 4111; Gaz. vol. 137; p. 1757.
 Umbrella, Folding. F. G. Christensen. No. 908,072; Dec. 29; Sp. p. 5859; Gaz. vol. 137; p. 2066.
 Umbrella-frame. W. E. Van Deventer. No. 893,766; July 21; Sp. p. 2901; Dr. p. 595; Gaz. vol. 135; p. 515.
 Umbrella-handle. E. Herold. No. 907,049; Dec. 15; Sp. p. 3712; Gaz. vol. 137; p. 1661.
 Umbrella-holder. K. A. Perkins. No. 890,921; June 16; Sp. p. 3508; Dr. p. 768; Gaz. vol. 134; p. 1678.
 Umbrella-holder. A. A. Stutsman. No. 901,495; Oct. 20; Sp. p. 3011; Dr. p. 615; Gaz. vol. 136; p. 1603.
 Umbrella or parasol frame. A. Blake and P. Kretzer. No. 878,270; Feb. 4; Sp. p. 774; Dr. p. 155; Gaz. vol. 132; p. 973.
 Umbrella, parasol, and the like. H. G. Walters. No. 892,473; July 7; Sp. p. 157; Dr. p. 34; Gaz. vol. 135; p. 81.
 Umbrella-repairing device. E. H. Stoddard. No. 905,016; Nov. 24; Sp. p. 5120; Gaz. vol. 137; p. 912.
 Umbrella-rib. M. G. McGuire. No. 895,390; Aug. 4; Sp. p. 1219; Dr. p. 257; Gaz. vol. 135; p. 1098.
 Umbrella rib and stretcher connection. C. F. Wurster. No. 907,433; Dec. 22; Sp. p. 4515; Gaz. vol. 137; p. 1826.
 Umbrella rib and stretcher connection. C. F. Wurster. No. 907,434; Dec. 22; Sp. p. 4517; Gaz. vol. 137; p. 1827.
 Umbrella-runner. R. Suter. No. 881,634; Mar. 10; Sp. p. 2282; Dr. p. 495; Gaz. vol. 133; p. 410.
 Umbrella runner and notch. W. M. Seitzinger. No. 897,026; Aug. 25; Sp. p. 4554; Dr. p. 972; Gaz. vol. 135; p. 1700.
 Umbrella-stick, Sectional. M. W. Munford. No. 891,629; June 23; Sp. p. 4966; Dr. p. 1070; Gaz. vol. 134; p. 1943.
 Umbrella-supporting device. F. B. Cumpston. No. 903,682; Nov. 10; Sp. p. 2308; Gaz. vol. 137; p. 405.
 Umbrella-tip. G. Kabureck. No. 879,471; Feb. 18; Sp. p. 3246; Dr. p. 676; Gaz. vol. 132; p. 1437.
 Umbrella top-notch. W. C. Moulton. No. 904,349; Nov. 17; Sp. p. 3728; Gaz. vol. 137; p. 663.
 Umbrellas and the like, Attachment for. W. A. Swaren. No. 880,419; Feb. 25; Sp. p. 5214; Dr. p. 1099; Gaz. vol. 132; p. 1782.
 Umbrellas and the like, Device for supporting. A. E. Shuster. No. 877,802; Jan. 25; Sp. p. 4301; Dr. pp. 933-4; Gaz. vol. 132; p. 790.
 Umbrellas, canes, and the like, Device for supporting. M. V. Quinn. No. 877,453; Jan. 21; Sp. p. 3616; Dr. p. 783; Gaz. vol. 132; p. 657.
 Umbrellas or other portable articles, Name-holder for. W. N. Reynolds. No. 887,692; May 12; Sp. p. 2746; Dr. p. 580; Gaz. vol. 134; p. 474.
 Umbrellas, parasols, canes, &c., Indicator attachment for. C. F. Kellom. No. 893,519; July 14; Sp. p. 2295; Dr. p. 481; Gaz. vol. 135; p. 402.
 Umbrellas, Repair-tip for. L. M. Hoyt. No. 880,534; Mar. 3; Sp. p. 75; Dr. p. 18; Gaz. vol. 133; p. 17.
 Umbrellas, walking-sticks, golf-clubs, brushes, and other articles, Stand for. W. C. Poles and W. W. Knight. No. 907,171; Dec. 22; Sp. p. 3961; Gaz. vol. 137; p. 1736.
 Underfeed furnace. J. E. Jones. No. 895,765; Aug. 11; Sp. p. 1978; Dr. pp. 418-19; Gaz. vol. 135; p. 1244.
 Undergarment. C. H. Little. No. 892,277; June 30; Sp. p. 6266; Dr. p. 1348; Gaz. vol. 134; p. 2189.
 Undergarment. W. P. Walker. No. 894,086; July 21; Sp. p. 3564; Dr. p. 733; Gaz. vol. 135; p. 621.
 Undergarment. C. H. Little. No. 894,840; Aug. 4; Sp. p. 78; Dr. p. 17; Gaz. vol. 135; p. 913.
 Undergarment, Combination-. M. B. Kegg. No. 880,220; Feb. 25; Sp. p. 4820; Dr. p. 1020; Gaz. vol. 132; p. 1717.
 Undergarment, Lady's. J. V. Palmer. No. 878,994; Feb. 11; Sp. p. 2276; Dr. p. 475; Gaz. vol. 132; p. 1242.
 Undergarment, Union. J. C. Scott. No. 904,022; Nov. 17; Sp. p. 3018; Gaz. vol. 137; p. 550.
 Undergarment, Union. L. H. Wise. No. 904,392; Nov. 17; Sp. p. 3793; Gaz. vol. 137; p. 676.
 Underreamer. R. E. Simpson. No. 892,905; July 7; Sp. p. 1039; Dr. p. 218; Gaz. vol. 135; p. 172.
 Underreamer. C. T. Mapes. No. 904,344; Nov. 17; Sp. p. 3718; Gaz. vol. 137; p. 661.
 Underreamer. J. Fort. No. 905,303; Dec. 1; Sp. p. 335; Gaz. vol. 137; p. 1042.
 Undershirt. W. R. Hibbard. No. 876,455; Jan. 14; Sp. p. 1553; Dr. p. 333; Gaz. vol. 132; p. 285.
 Undershirt. T. Fanta. No. 877,416; Jan. 21; Sp. p. 3549; Dr. p. 767; Gaz. vol. 132; p. 646.
 Undershirt, Suspensory. R. D. Peters. No. 898,258; Sept. 8; Sp. p. 2077; Dr. p. 442; Gaz. vol. 136; p. 358.
 Underskirt. E. Colby. No. 895,430; Aug. 11; Sp. p. 1313; Dr. p. 276; Gaz. vol. 135; p. 1136.
 Undertaker's crape-holder. J. E. Churchman and J. F. Ochar. No. 877,295; Jan. 21; Sp. p. 3315; Dr. p. 718; Gaz. vol. 132; p. 607.
 Underwaist. E. W. Stiles. No. 901,046; Oct. 13; Sp. p. 2059; Dr. p. 418; Gaz. vol. 136; p. 1419.
 Unhairing-machine. M. A. Powers. No. 894,050; July 21; Sp. p. 3504; Dr. pp. 717-18; Gaz. vol. 135; p. 609.
 Union. H. E. Bullock. No. 883,080; Mar. 24; Sp. p. 5135; Dr. p. 1096; Gaz. vol. 133; p. 942.
 Union. J. R. Steneck. No. 883,122; Mar. 24; Sp. p. 5234; Dr. p. 1116; Gaz. vol. 133; p. 956.
 Union, Expansion-. W. R. Sheckler. No. 907,187; Dec. 22; Sp. p. 4000; Gaz. vol. 137; p. 1742.
 Union suit. J. E. Richards. No. 887,346; May 12; Sp. p. 2062; Dr. pp. 432-3; Gaz. vol. 134; p. 361.
 Union suit. J. E. Richards. No. 899,187; Sept. 22; Sp. p. 3850; Dr. pp. 823-4; Gaz. vol. 136; p. 720.
 Unipolar machines, Protective device for. J. E. Noeggerath. No. 890,697; June 16; Sp. p. 3044; Dr. p. 668; Gaz. vol. 134; p. 1605.

Alphabetical list of inventions—Continued.

- Unit form-holder. B. E. McSheehy. No. 893,861; July 21; Sp. p. 3102; Dr. p. 635; Gaz. vol. 135; p. 546.
- Uniting a flexible to a solid body. C. D. McCourt. No. 904,077; Nov. 17; Sp. p. 3126; Gaz. vol. 137; p. 568.
- Universal coupling. F. W. Smith. No. 892,558; July 7; Sp. p. 315; Dr. p. 69; Gaz. vol. 135; p. 59.
- Universal coupling. H. Dock. No. 901,080; Oct. 13; Sp. p. 2123; Dr. pp. 432-3; Gaz. vol. 136; p. 1430.
- Universal coupling. G. A. Anderson. No. 901,864; Oct. 20; Sp. p. 3754; Dr. p. 763; Gaz. vol. 136; p. 1721.
- Universal indicator. H. P. Boettcher. No. 900,472; Oct. 6; Sp. p. 857; Dr. pp. 174-5; Gaz. vol. 136; p. 1205.
- Universal joint. G. F. Tadini. No. 885,401; Apr. 21; Sp. p. 3581; Dr. p. 749; Gaz. vol. 133; p. 1818.
- Universal joint. C. A. Brewer. No. 887,184; May 12; Sp. p. 1665; Dr. pp. 353-4; Gaz. vol. 132; p. 305.
- Universal joint. B. F. Teal. No. 893,281; July 14; Sp. p. 1808; Dr. p. 380; Gaz. vol. 133; p. 326.
- Universal joint. M. E. Blood. No. 859,149; Aug. 4; Sp. p. 738; Dr. p. 153; Gaz. vol. 135; p. 1018.
- Universal joint. F. H. Bogart. No. 896,195; Aug. 18; Sp. p. 2801; Dr. p. 603; Gaz. vol. 135; p. 1403.
- Universal joint. T. V. Buckwalter. No. 898,829; Sept. 15; Sp. p. 3170; Dr. p. 678; Gaz. vol. 136; p. 576.
- Universal joint. E. G. Hoffmann. No. 899,534; Sept. 29; Sp. p. 4519; Dr. pp. 970-1; Gaz. vol. 136; p. 868.
- Universal joint. M. E. C. C. H. E. and C. W. H. Blood. No. 902,550; Nov. 3; Sp. p. 24; Gaz. vol. 137; p. 5.
- Universal joint, Power-transmission. H. R. Shaw. No. 899,913; Sept. 29; Sp. p. 5308; Dr. p. 1135; Gaz. vol. 136; p. 991.
- Unloading and transferring apparatus. G. M. Bennett. No. 886,468; May 5; Sp. p. 254; Dr. p. 53; Gaz. vol. 134; p. 47.
- Unloading apparatus. W. Claypoole. No. 889,906; June 9; Sp. p. 1407; Dr. p. 320; Gaz. vol. 134; p. 1312.
- Unloading apparatus. A. F. Burt and F. S. Snyder. No. 896,271; Aug. 18; Sp. p. 2951; Dr. p. 636; Gaz. vol. 135; p. 1430.
- Unloading apparatus. F. H. and F. H. Brown. No. 901,949; Oct. 27; Sp. p. 3931; Dr. p. 802; Gaz. vol. 136; p. 1780.
- Unloading mechanism, Vehicle-. H. O. Sparks. No. 900,606; Oct. 6; Sp. p. 1146; Dr. p. 234; Gaz. vol. 136; p. 1249.
- Updraft-furnace. O. D. Orvis. No. 906,737; Dec. 15; Sp. p. 3134; Gaz. vol. 137; p. 1564.
- Upholstering-machine. I. Karpen. No. 903,097; Nov. 3; Sp. p. 1126; Gaz. vol. 137; p. 184.
- Upholstery. B. H. Messersmith and W. Healy. No. 888,720; May 26; Sp. p. 4805; Dr. p. 1023; Gaz. vol. 134; p. 872.
- Upholstery-machine. I. Karpen. No. 890,554; June 9; Sp. p. 2741; Dr. p. 606; Gaz. vol. 134; p. 1529.
- Upholstery-manufacturing apparatus. A. Freschl. No. 883,711; Apr. 7; Sp. p. 70; Dr. p. 10; Gaz. vol. 133; p. 1204.
- Upholstery-pads, Table for manufacturing. E. M. Hulse. No. 882,685; Mar. 24; Sp. p. 4362; Dr. p. 929; Gaz. vol. 133; p. 814.
- Upright brake, Reverse-lever. M. E. Oswalt. No. 907,394; Dec. 22; Sp. p. 4418; Gaz. vol. 137; p. 1813.
- Uranium and vanadium from ores, Extracting. H. Fleck, W. G. Haldane, and E. L. White. No. 880,645; Mar. 3; Sp. p. 311; Gaz. vol. 133; p. 55.
- Urinal. D. A. Ebinger. No. 889,916; June 9; Sp. p. 1434; Dr. p. 324; Gaz. vol. 134; p. 1316.
- Urinary apparatus. V. D'Incognito. No. 888,477; May 26; Sp. p. 4302; Dr. p. 911; Gaz. vol. 134; p. 790.
- Urinary apparatus. D. Girouard. No. 895,852; Aug. 11; Sp. p. 2162; Dr. p. 459; Gaz. vol. 135; p. 1272.
- Urinary apparatus. V. D'Incognito. No. 904,942; Nov. 24; Sp. p. 4974; Gaz. vol. 137; p. 887.
- Urn. A. W. Meyer. No. 877,211; Jan. 21; Sp. p. 3102; Dr. pp. 685-6; Gaz. vol. 132; p. 581.
- Uterine supporter. G. Beck. No. 897,050; Aug. 25; Sp. p. 4599; Dr. p. 980; Gaz. vol. 135; p. 1708.
- Vacuum-actuated screen. H. G. Shortt. No. 896,473; Aug. 18; Sp. p. 3379; Dr. pp. 726-7; Gaz. vol. 135; p. 1495.
- Vacuum apparatus. S. E. Griggs. No. 878,723; Feb. 11; Sp. p. 1765; Dr. p. 365; Gaz. vol. 132; p. 1156.
- Vacuum-pan. A. P. Smith. No. 881,351; Mar. 10; Sp. p. 1715; Dr. p. 370; Gaz. vol. 133; p. 818.
- Vacuum-tube apparatus. D. M. Moore. No. 895,486; Aug. 11; Sp. p. 1431; Dr. p. 300; Gaz. vol. 135; p. 1154.
- Vacuum-tube apparatus. D. M. Moore. No. 895,487; Aug. 11; Sp. p. 1432; Dr. p. 300; Gaz. vol. 135; p. 1154.
- Vacuum-tube lighting. D. M. Moore. No. 895,485; Aug. 11; Sp. p. 1429; Dr. p. 300; Gaz. vol. 135; p. 1153.
- Vacuums, Mechanical production of high. J. Zeitlin. No. 905,973; Dec. 8; Sp. p. 1686; Gaz. vol. 137; p. 1291.
- Valve. E. J. Bloom. No. 876,316; Jan. 14; Sp. p. 1249; Dr. pp. 271-2; Gaz. vol. 132; p. 239.
- Valve. T. A. Duggan. No. 876,867; Jan. 14; Sp. p. 2389; Dr. p. 520; Gaz. vol. 132; p. 422.
- Valve. G. H. Traxel. No. 877,264; Jan. 21; Sp. p. 3205; Dr. p. 706; Gaz. vol. 132; p. 597.
- Valve. A. C. Ricksecker, Jr. No. 877,865; Jan. 28; Sp. p. 4422; Dr. p. 963; Gaz. vol. 132; p. 810.
- Valve. H. Brauner. No. 878,183; Feb. 4; Sp. p. 609; Dr. p. 123; Gaz. vol. 132; p. 944.
- Valve. W. Ord. No. 878,664; Feb. 11; Sp. p. 1652; Dr. p. 340; Gaz. vol. 132; p. 1137.
- Valve. W. J. Larned. No. 878,809; Feb. 11; Sp. p. 1935; Dr. p. 400; Gaz. vol. 132; p. 1184.
- Valve. J. G. Randaxhe. No. 878,825; Feb. 11; Sp. p. 1900; Dr. p. 405; Gaz. vol. 132; p. 1189.
- Valve. E. E. Slick. No. 878,904; Feb. 11; Sp. p. 2111; Dr. p. 440; Gaz. vol. 132; p. 1213.
- Valve. J. J. Cook. No. 881,060; Mar. 3; Sp. p. 1129; Dr. p. 245; Gaz. vol. 133; p. 193.
- Valve. J. D. MacLachlan. No. 881,191; Mar. 10; Sp. p. 1388; Dr. p. 300; Gaz. vol. 133; p. 266.
- Valve. G. Fusch. No. 881,234; Mar. 10; Sp. p. 1485; Dr. p. 320; Gaz. vol. 133; p. 280.
- Valve. L. B. Hoffner. No. 881,687; Mar. 10; Sp. p. 2369; Dr. p. 513; Gaz. vol. 133; p. 425.
- Valve. S. Matthes and J. B. Rinchart. No. 882,831; Mar. 24; Sp. p. 4655; Dr. p. 991; Gaz. vol. 133; p. 861.
- Valve. H. J. and H. B. Ehrlich. No. 886,045; Apr. 28; Sp. p. 4913; Dr. p. 1033; Gaz. vol. 133; p. 2054.
- Valve. E. H. Howard. No. 886,128; Apr. 28; Sp. p. 5077; Dr. p. 1065; Gaz. vol. 133; p. 2082.
- Valve. W. Platz. No. 886,633; May 5; Sp. p. 575; Dr. p. 121; Gaz. vol. 134; p. 101.
- Valve. W. J. Kennedy. No. 887,945; May 19; Sp. p. 3273; Dr. pp. 687-8; Gaz. vol. 134; p. 589.
- Valve. C. Kapenos. No. 888,817; May 26; Sp. p. 5034; Dr. p. 1074; Gaz. vol. 134; p. 905.
- Valve. L. S. Nash. No. 888,802; June 2; Sp. p. 1189; Dr. p. 275; Gaz. vol. 134; p. 1252.
- Valve. F. C. Blanchard and P. G. Darling. No. 889,895; June 9; Sp. p. 1390; Dr. p. 315; Gaz. vol. 134; p. 1308.
- Valve. T. W. Lowe. No. 889,941; June 9; Sp. p. 1477; Dr. p. 335; Gaz. vol. 134; p. 1324.
- Valve. J. D. Coleman. No. 890,609; June 16; Sp. p. 2861; Dr. p. 630; Gaz. vol. 134; p. 1576.
- Valve. P. B. Johnson. No. 890,862; June 16; Sp. p. 3389; Dr. p. 743; Gaz. vol. 134; p. 1660.
- Valve. P. Connolly. No. 891,207; June 16; Sp. p. 4075; Dr. p. 895; Gaz. vol. 134; p. 1771.
- Valve. C. Orenstein and H. I. Derby. No. 891,633; June 23; Sp. p. 4978; Dr. p. 1073; Gaz. vol. 134; p. 1944.
- Valve. R. T. Crane. No. 891,672; June 23; Sp. p. 5067; Dr. p. 1093; Gaz. vol. 134; p. 1957.
- Valve. I. K. Beaver. No. 891,975; June 30; Sp. p. 5696; Dr. p. 1226; Gaz. vol. 134; p. 2091.
- Valve. F. Fowler. No. 892,821; July 7; Sp. p. 848; Dr. p. 181; Gaz. vol. 135; p. 144.
- Valve. J. E. Starr and T. C. Wood. No. 893,204; July 14; Sp. p. 1656; Dr. p. 350; Gaz. vol. 135; p. 299.
- Valve. D. W. Jewell. No. 893,325; July 14; Sp. p. 1885; Dr. p. 395; Gaz. vol. 135; p. 339.
- Valve. E. M. Sturgis and C. A. Leming. No. 893,884; July 21; Sp. p. 3142; Dr. p. 645; Gaz. vol. 135; p. 552.
- Valve. W. J. Kennedy. No. 894,957; Aug. 4; Sp. p. 359; Dr. p. 73; Gaz. vol. 135; p. 953.
- Valve. J. F. Robertson. No. 895,302; Aug. 4; Sp. p. 1076; Dr. p. 225; Gaz. vol. 135; p. 1070.
- Valve. W. H. Russell and C. Eckland. No. 895,306; Aug. 4; Sp. p. 1083; Dr. p. 227; Gaz. vol. 135; p. 1072.
- Valve. H. J. Criner. No. 896,439; Aug. 18; Sp. p. 3304; Dr. p. 710; Gaz. vol. 135; p. 1483.
- Valve. F. Freeman. No. 897,078; Aug. 25; Sp. p. 4651; Dr. p. 991; Gaz. vol. 135; p. 1717.
- Valve. A. Tomlins. No. 898,805; Sept. 15; Sp. p. 3126; Dr. pp. 669-70; Gaz. vol. 136; p. 568.
- Valve. O. G. Hitchcock. No. 898,889; Sept. 15; Sp. p. 3282; Dr. p. 702; Gaz. vol. 136; p. 596.
- Valve. H. D. Snell. No. 899,079; Sept. 22; Sp. p. 3625; Dr. p. 776; Gaz. vol. 136; p. 684.
- Valve. W. H. Kline. (Reissue.) No. 12,857; Sept. 22; Sp. p. 4428; Dr. pp. 950-1; Gaz. vol. 136; p. 820.
- Valve. L. L. Craddock and J. McLeary. No. 899,659; Sept. 29; Sp. p. 4780; Dr. p. 1023; Gaz. vol. 136; p. 908.
- Valve. M. S. Wilcox. No. 900,811; Oct. 13; Sp. p. 1585; Dr. pp. 320-1; Gaz. vol. 136; p. 1343.
- Valve. G. M. Davis. No. 900,987; Oct. 13; Sp. p. 1947; Dr. p. 396; Gaz. vol. 136; p. 1400.
- Valve. E. V. Anderson. No. 901,222; Oct. 13; Sp. p. 2370; Dr. p. 485; Gaz. vol. 136; p. 1473.
- Valve. J. F. Love. No. 902,096; Oct. 27; Sp. p. 4234; Dr. p. 858; Gaz. vol. 136; p. 1827.
- Valve. J. P. L. Halyburton. No. 902,291; Oct. 27; Sp. p. 4642; Dr. p. 942; Gaz. vol. 136; p. 1890.
- Valve. L. W. Eggleston. No. 902,952; Nov. 3; Sp. p. 845; Gaz. vol. 137; p. 140.
- Valve. F. W. Kline. No. 903,201; Nov. 10; Sp. p. 1334; Gaz. vol. 137; p. 249.
- Valve. C. J. Benzenhafer. No. 903,436; Nov. 10; Sp. p. 1789; Gaz. vol. 137; p. 326.
- Valve. A. S. Lindkuvest. No. 904,340; Nov. 17; Sp. p. 3711; Gaz. vol. 137; p. 660.
- Valve. O. E. Oleson. No. 905,219; Dec. 1; Sp. p. 199; Gaz. vol. 137; p. 1016.
- Valve. T. R. Tarn. No. 905,605; Dec. 1; Sp. p. 992; Gaz. vol. 137; p. 1142.
- Valve. F. L. Orr. No. 905,745; Dec. 1; Sp. p. 1250; Gaz. vol. 137; p. 1187.
- Valve. H. H. Cramer. No. 907,009; Dec. 15; Sp. p. 3639; Gaz. vol. 137; p. 1648.
- Valve. H. H. Cramer. No. 907,130; Dec. 22; Sp. p. 3896; Gaz. vol. 137; p. 1724.
- Valve. A. P. Broomell. No. 907,729; Dec. 29; Sp. p. 5155; Gaz. vol. 137; p. 1953.
- Valve. W. M. Fulton. No. 907,771; Dec. 29; Sp. p. 5248; Gaz. vol. 137; p. 1968.
- Valve. A. C. Ricksecker, Jr. No. 908,138; Dec. 29; Sp. p. 6000; Gaz. vol. 137; p. 2088.
- Valve. A. C. Ricksecker. No. 908,139; Dec. 29; Sp. p. 6002; Gaz. vol. 137; p. 2088.
- Valve. F. E. Guyott. No. 908,250; Dec. 29; Sp. p. 6255; Gaz. vol. 137; p. 2127.

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 Valve. A. Lotz. No. 908,413; Dec. 29; Sp. p. 6395; Gaz. vol. 137; p. 2184.
 Valve-action. Pneumatic. J. Wieser. No. 883,600; Mar. 31; Sp. p. 6222; Dr. p. 1327; Gaz. vol. 133; p. 1139.
 Valve-action. Pneumatic. H. Bainton. No. 890,488; June 9; Sp. p. 2590; Dr. p. 574; Gaz. vol. 134; p. 1503.
 Valve-actuating mechanism. W. D. Sweetman. No. 886,663; May 5; Sp. p. 641; Dr. p. 133; Gaz. vol. 134; p. 110.
 Valve. Adjustable distributing-. J. Engelen. No. 892,816; July 7; Sp. p. 829; Dr. p. 177; Gaz. vol. 135; p. 142.
 Valve. Air-vent. G. D. Hoffman. No. 901,242; Oct. 13; Sp. p. 2405; Dr. p. 493; Gaz. vol. 136; p. 1480.
 Valve. Airvalve attachment. R. F. Spamer. No. 893,864; Aug. 25; Sp. p. 4180; Dr. pp. 895-6; Gaz. vol. 135; p. 1045.
 Valve and cock. J. Anderson. No. 903,158; Nov. 10; Sp. p. 1242; Gaz. vol. 137; p. 235.
 Valve and piston. Semi-plug piston-. J. T. Wilson. No. 904,391; Nov. 17; Sp. p. 3791; Gaz. vol. 137; p. 676.
 Valve and spout. Tank. J. A. Ingalls. No. 888,331; May 19; Sp. p. 3983; Dr. p. 840; Gaz. vol. 134; p. 712.
 Valve and valve-box. Shower-. J. A. Wilson. No. 893,770; July 21; Sp. p. 2908; Dr. p. 596; Gaz. vol. 135; p. 516.
 Valve and valve-casing. C. G. Sprado. No. 895,056; Aug. 4; Sp. p. 562; Dr. p. 116; Gaz. vol. 135; p. 987.
 Valve and valve construction. W. M. Fulton. No. 894,429; July 28; Sp. p. 4303; Dr. p. 887; Gaz. vol. 135; p. 754.
 Valve and valve-gear for steam-engines. O. Holen, Jr. No. 891,255; June 23; Sp. p. 4188; Dr. p. 917; Gaz. vol. 134; p. 1820.
 Valve. Antisiphon-. W. B. Thomson. No. 878,430; Feb. 4; Sp. p. 1073; Dr. p. 218; Gaz. vol. 132; p. 1025.
 Valve. Automatic. J. G. Banjoek. No. 894,102; July 21; Sp. p. 3589; Dr. p. 739; Gaz. vol. 135; p. 626.
 Valve. Automatic. A. J. Greenaway. No. 897,285; Sept. 1; Sp. p. 38; Dr. p. 9; Gaz. vol. 136; p. 9.
 Valve. Automatic. M. L. Grove. No. 897,617; Sept. 1; Sp. p. 773; Dr. p. 163; Gaz. vol. 136; p. 122.
 Valve. Automatic. A. B. Szperkowsky. No. 899,768; Sept. 29; Sp. p. 5014; Dr. p. 1075; Gaz. vol. 136; p. 945.
 Valve. Automatic air-. G. D. Hoffman. No. 899,110; Sept. 22; Sp. p. 3684; Dr. p. 790; Gaz. vol. 136; p. 695.
 Valve. Automatic air-. G. D. Hoffman. No. 899,111; Sept. 22; Sp. p. 3685; Dr. p. 790; Gaz. vol. 136; p. 695.
 Valve. Automatic alarm-. J. G. Beattie. No. 906,678; Dec. 15; Sp. p. 3014; Gaz. vol. 137; p. 1543.
 Valve. Automatic cylinder-. J. Mantion. No. 889,535; June 2; Sp. p. 693; Dr. p. 159; Gaz. vol. 134; p. 1168.
 Valve. Automatic cylinder relief and vacuum. B. O. Yearwood and R. C. Pattison. No. 903,530; Nov. 10; Sp. p. 1993; Gaz. vol. 137; p. 358.
 Valve. Automatic expansion-. G. P. Carroll. No. 906,508; Dec. 15; Sp. p. 2698; Gaz. vol. 137; p. 1491.
 Valve. Automatic gas-. E. L. Preston. No. 898,290; Sept. 8; Sp. p. 2080; Dr. p. 442; Gaz. vol. 136; p. 353.
 Valve. Automatic quick-closing. A. H. Boyd. No. 900,260; Oct. 6; Sp. p. 403; Dr. pp. 81-2; Gaz. vol. 136; p. 1135.
 Valve. Automatic relief-. A. Harrison. No. 899,532; Sept. 29; Sp. p. 4514; Dr. p. 969; Gaz. vol. 136; p. 867.
 Valve. Automatic retaining-. C. Martin and M. Beasley. No. 879,783; Feb. 18; Sp. p. 3878; Dr. pp. 813-14; Gaz. vol. 132; p. 1539.
 Valve. Automatic safety check-. G. W. Bowman. No. 907,103; Dec. 15; Sp. p. 3806; Gaz. vol. 137; p. 1677.
 Valve. Automatic shut-off. G. A. Füllip. No. 883,160; Mar. 24; Sp. p. 5304; Dr. p. 1132; Gaz. vol. 133; p. 969.
 Valve. Automatic starting-. J. B. Lane. No. 902,417; Oct. 27; Sp. p. 4904; Dr. p. 993; Gaz. vol. 136; p. 1932.
 Valve. Automatic stop-. F. T. Reid. No. 882,798; Mar. 24; Sp. p. 4577; Dr. p. 976; Gaz. vol. 133; p. 850.
 Valve. Automatic time-. A. A. Shingleton. No. 881,349; Mar. 10; Sp. p. 1698; Dr. pp. 367-8; Gaz. vol. 133; p. 317.
 Valve. Automatic time-. A. A. Shingleton. No. 883,121; Mar. 24; Sp. p. 5226; Dr. p. 1116; Gaz. vol. 133; p. 956.
 Valve. Automatic water-relief. A. Harrison. No. 897,895; Sept. 8; Sp. p. 1343; Dr. p. 287; Gaz. vol. 136; p. 244.
 Valve. Automatically-drained gate-. C. A. Clafin. No. 898,722; Sept. 15; Sp. p. 2972; Dr. p. 637; Gaz. vol. 136; p. 541.
 Valve-bag. A. M. Bates. No. 907,557; Dec. 22; Sp. p. 4741; Gaz. vol. 137; p. 1866.
 Valve-bag. A. M. Bates. No. 907,558; Dec. 22; Sp. p. 4743; Gaz. vol. 137; p. 1866.
 Valve. Balance throttle. S. J. Davis. No. 886,288; Apr. 28; Sp. p. 5361; Dr. p. 1127; Gaz. vol. 133; p. 2135.
 Valve. Balanced. L. J. Rigby. No. 880,920; Mar. 3; Sp. p. 886; Dr. p. 191; Gaz. vol. 133; p. 149.
 Valve. Balanced slide-. F. Barngrover and E. A. Eustice. No. 907,117; Dec. 22; Sp. p. 3867; Gaz. vol. 137; p. 1719.
 Valve. Balanced slide-. G. W. Morris. No. 907,162; Dec. 22; Sp. p. 3947; Gaz. vol. 137; p. 1733.
 Valve. Ball-cock. E. G. Watrous. No. 901,571; Oct. 20; Sp. p. 3150; Dr. pp. 643-4; Gaz. vol. 136; p. 1627.
 Valve. Blow-off. J. S. Forbes. No. 900,506; Oct. 6; Sp. p. 940; Dr. pp. 191-2; Gaz. vol. 136; p. 1215.
 Valve. Blowing-engine inlet-. M. A. Neeland. No. 895,292; Aug. 4; Sp. p. 1000; Dr. pp. 221-2; Gaz. vol. 135; p. 1068.
 Valve. Boiler feed-. G. W. Collin. No. 895,342; Aug. 4; Sp. p. 1137; Dr. p. 230; Gaz. vol. 135; p. 1083.
 Valve. Bottle-. V. P. McVoy. No. 877,584; Jan. 28; Sp. p. 3908; Dr. p. 845; Gaz. vol. 132; p. 721.
 Valve. Bottle-neck check-. M. J. Brown. No. 882,622; Mar. 24; Sp. p. 4240; Dr. p. 898; Gaz. vol. 133; p. 793.
 Valve-cage for gas-engines. E. A. Johnston. No. 892,994; July 14; Sp. p. 1246; Dr. p. 261; Gaz. vol. 135; p. 232.
 Valve-chamber. External. G. H. Woodward. No. 878,924; Feb. 11; Sp. p. 2147; Dr. p. 448; Gaz. vol. 132; p. 1220.
 Valve. Check-. M. W. Pitner. No. 882,416; Mar. 17; Sp. p. 3828; Dr. p. 817; Gaz. vol. 133; p. 691.
 Valve. Check-. A. Eisenreich. No. 887,238; May 12; Sp. p. 1793; Dr. p. 377; Gaz. vol. 134; p. 322.
 Valve. Collector-operating. G. Macloskie. No. 888,339; May 19; Sp. p. 4607; Dr. p. 846; Gaz. vol. 134; p. 714.
 Valve. Combination air and gas mixing. A. W. Hartje. No. 892,255; June 30; Sp. p. 6217; Dr. p. 1340; Gaz. vol. 134; p. 2181.
 Valve. Combination wet and dry pipe. H. S. Nicol. No. 886,629; May 5; Sp. p. 585; Dr. p. 119; Gaz. vol. 134; p. 100.
 Valve. Combined wet and dry pipe. J. B. Penniman. No. 892,600; Nov. 3; Sp. p. 137; Gaz. vol. 137; p. 23.
 Valve-controlling apparatus. W. J. Kenevel. No. 901,712; Oct. 20; Sp. p. 3478; Dr. p. 704; Gaz. vol. 136; p. 1674.
 Valve-controlling mechanism. F. Hodgkinson. (Reissue). No. 12,848; Sept. 8; Sp. p. 2371; Dr. pp. 506-7; Gaz. vol. 136; p. 411.
 Valve-controlling mechanism for internal-combustion engines. H. M. Neer. No. 901,365; Oct. 20; Sp. p. 2690; Dr. p. 552; Gaz. vol. 136; p. 1557.
 Valve-controlling mechanism, Motor-truck. W. A. Roberts and F. W. Studt. No. 891,007; June 16; Sp. p. 3706; Dr. pp. 808-9; Gaz. vol. 134; p. 1708.
 Valve. Cylinder relief-. M. Bohn. No. 880,004; Feb. 25; Sp. p. 4369; Dr. p. 916; Gaz. vol. 132; p. 1645.
 Valve. Cylinder relief-. H. W. McCombs. No. 890,692; June 16; Sp. p. 3035; Dr. p. 666; Gaz. vol. 134; p. 1604.
 Valve device for heating systems. J. H. Kinealy. No. 890,239; June 9; Sp. p. 2099; Dr. p. 460-1; Gaz. vol. 134; p. 1424.
 Valve-disk. A. W. Cadman. No. 876,147; Jan. 7; Sp. p. 902; Dr. p. 195; Gaz. vol. 132; p. 155.
 Valve. Distributing-. H. Lentz and W. Voit. No. 881,863; Mar. 10; Sp. p. 2731; Dr. p. 585; Gaz. vol. 133; p. 483.
 Valve. Double-seated. A. F. Smith. No. 879,014; Feb. 11; Sp. p. 2310; Dr. p. 483; Gaz. vol. 132; p. 1248.
 Valve. Drainage-. A. V. Knoll. No. 882,784; Mar. 24; Sp. p. 4546; Dr. p. 970; Gaz. vol. 133; p. 844.
 Valve. Drainage-. C. C. Peck. No. 883,337; Mar. 31; Sp. p. 5667; Dr. p. 1210; Gaz. vol. 133; p. 1056.
 Valve. Dry-pipe. E. M. Cook. No. 877,552; Jan. 28; Sp. p. 3848; Dr. p. 832; Gaz. vol. 132; p. 712.
 Valve. Dry-pipe. L. E. Fagan. No. 882,669; Mar. 24; Sp. p. 4331; Dr. pp. 921-2; Gaz. vol. 133; p. 808.
 Valve. Dry-pipe. P. Evans. No. 898,856; Sept. 15; Sp. p. 3216; Dr. p. 689; Gaz. vol. 136; p. 585.
 Valve. Elastic water-. G. P. Carroll. No. 906,509; Dec. 15; Sp. p. 2701; Gaz. vol. 137; p. 1491.
 Valve. Electrically-operated. C. Krämer. No. 896,120; Aug. 18; Sp. p. 2673; Dr. p. 577; Gaz. vol. 135; p. 1380.
 Valve. Emergency-. W. K. Rankin. No. 903,502; Nov. 10; Sp. p. 1935; Gaz. vol. 137; p. 348.
 Valve. Emergency-. O. Penn. No. 904,985; Nov. 24; Sp. p. 5054; Gaz. vol. 137; p. 901.
 Valve. Engine-. J. W. Chenoweth. No. 888,470; May 26; Sp. p. 4201; Dr. pp. 908-9; Gaz. vol. 134; p. 789.
 Valve. Engine-reversing. J. G. Fairbanks. No. 890,642; Mar. 3; Sp. p. 306; Dr. pp. 67-8; Gaz. vol. 133; p. 54.
 Valve. Engineer's air-brake. W. M. Austin. No. 882,608; Mar. 24; Sp. p. 4206; Dr. pp. 891-2; Gaz. vol. 133; p. 758.
 Valve. Engineer's brake-. E. H. Dukessmith. No. 876,703; Jan. 14; Sp. p. 2097; Dr. pp. 456-7; Gaz. vol. 132; p. 371.
 Valve. Engineer's brake-. W. V. Turner. No. 882,596; Mar. 24; Sp. p. 4182; Dr. p. 887; Gaz. vol. 133; p. 784.
 Valve. Engineer's brake-. J. P. Gault. No. 885,601; Apr. 21; Sp. p. 3959; Dr. p. 826; Gaz. vol. 133; p. 1877.
 Valve. Exhaust-. F. H. Chisholm. No. 895,073; Aug. 4; Sp. p. 394; Dr. p. 123; Gaz. vol. 135; p. 992.
 Valve. Explosive-engine. P. Schramm and I. E. Wisc. No. 896,254; Aug. 18; Sp. p. 2919; Dr. pp. 628-9; Gaz. vol. 135; p. 1424.
 Valve. Feed and quick-release. J. A. Hicks. No. 897,741; Sept. 1; Sp. p. 1007; Dr. p. 214; Gaz. vol. 136; p. 163.
 Valve. Filter-. J. B. and C. P. Elfrith. No. 897,606; Sept. 1; Sp. p. 749; Dr. p. 158; Gaz. vol. 136; p. 119.
 Valve. Filter-. C. Hungerford. No. 902,232; Oct. 27; Sp. p. 4523; Dr. p. 916; Gaz. vol. 136; p. 1870.
 Valve. Fluid-controlled flushing-. C. Brossmann. No. 906,193; Dec. 8; Sp. p. 2118; Gaz. vol. 137; p. 1363.
 Valve. Fluid-controlled flushing-. R. A. Brooks. No. 882,740; Mar. 24; Sp. p. 4470; Dr. p. 952; Gaz. vol. 133; p. 831.
 Valve. Fluid-pressure. W. F. Davis. No. 885,145; Apr. 21; Sp. p. 3036; Dr. pp. 639-40; Gaz. vol. 133; p. 1733.
 Valve. Flush-. J. W. Kennedy. No. 894,662; July 28; Sp. p. 4750; Dr. pp. 987-8; Gaz. vol. 135; p. 829.
 Valve. Flushing-. R. A. Brooks. No. 876,513; Jan. 14; Sp. p. 1696; Dr. pp. 369-70; Gaz. vol. 132; p. 308.
 Valve. Flushing-. H. L. Ludwig. No. 897,116; Aug. 25; Sp. p. 4725; Dr. p. 1007; Gaz. vol. 135; p. 1729.
 Valve. Flushing-. W. S. Gaskill. No. 900,997; Oct. 13; Sp. p. 1969; Dr. p. 401; Gaz. vol. 136; p. 1404.
 Valve. Flushing-. T. F. Payne. No. 901,407; Oct. 20; Sp. p. 2938; Dr. pp. 599-600; Gaz. vol. 136; p. 1593.
 Valve. Flushing-. W. H. Bowman. No. 901,584; Oct. 20; Sp. p. 3184; Dr. p. 649; Gaz. vol. 136; p. 1631.
 Valve. Flushing-. F. T. Callon. No. 902,854; Nov. 3; Sp. p. 653; Gaz. vol. 137; p. 109.

Alphabetical list of inventions—Continued.

- Valve for air-brake systems, Automatic pressure-retaining. J. D. Nichol. No. 894,689; July 28; Sp. p. 4811; Dr. p. 999; Gaz. vol. 135; p. 839.
- Valve for air-brakes, Quick-action triple. W. T. Richards. No. 886,409; May 5; Sp. p. 145; Dr. p. 29; Gaz. vol. 133; p. 28.
- Valve for air-compressors. A. F. Batchelder. No. 883,928; Apr. 7; Sp. p. 518; Dr. p. 103; Gaz. vol. 133; p. 1275.
- Valve for air-compressors, Air-. J. G. Leyner. No. 893,851; July 21; Sp. p. 3081; Dr. p. 630; Gaz. vol. 135; p. 542.
- Valve for air-compressors, Air-. J. G. Leyner. No. 893,852; July 21; Sp. p. 3084; Dr. pp. 630-1; Gaz. vol. 135; p. 543.
- Valve for air-compressors, Education-. J. Rogers. No. 894,905; Aug. 4; Sp. p. 238; Dr. p. 51; Gaz. vol. 135; p. 936.
- Valve for automatic train-stops, Vent-. H. G. Sedgwick. No. 900,214; Oct. 6; Sp. p. 298; Dr. p. 61; Gaz. vol. 136; p. 1120.
- Valve for car-heating appliances, Safety-. E. H. Gold. No. 892,515; July 7; Sp. p. 247; Dr. p. 52; Gaz. vol. 135; p. 46.
- Valve for compressed-air-operated dump-cars, Engineer's. T. R. McKnight. No. 894,280; July 28; Sp. p. 3992; Dr. pp. 823-4; Gaz. vol. 135; p. 704.
- Valve for compressed-fluid motors, Reducing-. E. Schneider. No. 903,325; Nov. 10; Sp. p. 1571; Gaz. vol. 137; p. 290.
- Valve for compressors, blowing-engines, and the like, Annular. J. A. Willaredt. No. 881,516; Mar. 10; Sp. p. 2038; Dr. pp. 444-5; Gaz. vol. 133; p. 371.
- Valve for engine-cylinders, Water relief-. J. N. Leach. No. 884,096; Apr. 7; Sp. p. 864; Dr. pp. 181-2; Gaz. vol. 133; p. 1331.
- Valve for engines, Cut-off. I. E. McElroy. No. 893,188; July 14; Sp. p. 1624; Dr. p. 343; Gaz. vol. 135; p. 294.
- Valve for engines, Steam-actuated. A. G. Stokes. No. 899,849; Sept. 29; Sp. p. 5200; Dr. pp. 1113-14; Gaz. vol. 136; p. 972.
- Valve for explosive-engines, Mixing-. H. C. Fricke and G. E. Turner. No. 882,939; Mar. 24; Sp. p. 4879; Dr. p. 1036; Gaz. vol. 133; p. 897.
- Valve for faucets, pipes, &c. J. W. Collins. No. 903,175; Nov. 10; Sp. p. 1272; Gaz. vol. 137; p. 240.
- Valve for filling-machines, Float-. F. C. H. Strasburger. No. 883,254; Mar. 31; Sp. p. 5510; Dr. p. 1175; Gaz. vol. 133; p. 1030.
- Valve for filters, Sand or strainer. J. R. and H. D. Elfreth. No. 877,182; Jan. 21; Sp. p. 3096; Dr. p. 670; Gaz. vol. 132; p. 569.
- Valve for fire-sprinkler systems. J. B. McGinley. No. 884,841; Apr. 14; Sp. p. 2427; Dr. p. 509; Gaz. vol. 133; p. 1605.
- Valve for fluid-pressure brakes. W. H. Sauvage. No. 875,958; Jan. 7; Sp. p. 527; Dr. pp. 112-13; Gaz. vol. 132; p. 93.
- Valve for flush-tanks, Supply-. O. F. Glidden. No. 899,486; Sept. 22; Sp. p. 4407; Dr. p. 946; Gaz. vol. 136; p. 816.
- Valve for flushing-tanks. G. G. Seymour. No. 878,094; Feb. 4; Sp. p. 406; Dr. p. 86; Gaz. vol. 132; p. 914.
- Valve for furnaces, Reversing-. J. C. and J. A. Swindell. No. 908,353; Dec. 29; Sp. p. 6463; Gaz. vol. 137; p. 2163.
- Valve for gage-cocks. M. P. Snell. No. 903,114; Nov. 3; Sp. p. 1162; Gaz. vol. 137; p. 189.
- Valve for gas-engines, Admission-. G. B. Petsche. No. 901,256; Oct. 13; Sp. p. 2432; Dr. p. 499; Gaz. vol. 136; p. 1484.
- Valve for gas-supply pipes, Automatic safety-. J. Murray. No. 878,658; Feb. 11; Sp. p. 1644; Dr. p. 337; Gaz. vol. 132; p. 1135.
- Valve for gasolene-engines, Inlet-. A. J. McCollum. No. 895,576; Aug. 11; Sp. p. 1604; Dr. p. 338; Gaz. vol. 135; p. 1183.
- Valve for graduating release, Triple. W. V. Turner. No. 890,823; June 16; Sp. p. 3320; Dr. p. 727; Gaz. vol. 134; p. 1648.
- Valve for hot-water heating systems, Relief-. A. G. Cripps. No. 895,436; Aug. 11; Sp. p. 1324; Dr. pp. 278-9; Gaz. vol. 135; p. 1137.
- Valve for hydraulic elevators. A. R. Klingloff. No. 904,136; Nov. 17; Sp. p. 3251; Gaz. vol. 137; p. 590.
- Valve for hydraulic jacks, Air-. J. W. Nelson and W. H. Mathers. No. 899,462; Sept. 22; Sp. p. 4357; Dr. p. 936; Gaz. vol. 136; p. 807.
- Valve for hydraulic machines. W. Astfalk. No. 897,047; Aug. 25; Sp. p. 4594; Dr. p. 979; Gaz. vol. 135; p. 1707.
- Valve for hydrocarbon lighting systems. M. W. Pitner. No. 904,987; Nov. 24; Sp. p. 5057; Gaz. vol. 137; p. 902.
- Valve for instantaneous water-heaters, Water-. E. Ruud. No. 879,910; Feb. 25; Sp. p. 4199; Dr. p. 876; Gaz. vol. 132; p. 1615.
- Valve for internal-combustion engines. J. C. Bourne and G. H. Rees. No. 901,277; Oct. 13; Sp. p. 2490; Dr. p. 509; Gaz. vol. 136; p. 1491.
- Valve for internal-combustion engines, Induction-. R. E. Phillips. No. 883,340; Mar. 31; Sp. p. 5673; Dr. p. 1211; Gaz. vol. 133; p. 1057.
- Valve for internal-combustion engines, Mixing-. J. J. Power. No. 887,422; May 12; Sp. p. 2236; Dr. p. 468; Gaz. vol. 134; p. 386.
- Valve for internal-combustion motors, Water-cooled. B. Loutzky. No. 883,967; Apr. 7; Sp. p. 607; Dr. p. 120; Gaz. vol. 133; p. 1288.
- Valve for locomotives, Combined check and cut-off. G. B. Eddy. No. 900,989; Oct. 13; Sp. p. 1950; Dr. p. 397; Gaz. vol. 136; p. 1400.
- Valve for pneumatic tires. H. K. Raymond. No. 906,158; Dec. 8; Sp. p. 2051; Gaz. vol. 137; p. 1351.
- Valve for pneumatic tires. H. K. Raymond. No. 906,159; Dec. 8; Sp. p. 2053; Gaz. vol. 137; p. 1351.
- Valve for radiators. F. W. Leuthesser. No. 889,141; May 26; Sp. p. 5679; Dr. p. 1202; Gaz. vol. 134; p. 1009.
- Valve for radiators, Air-. F. W. Leuthesser. No. 888,914; May 26; Sp. p. 5238; Dr. p. 1111; Gaz. vol. 134; p. 937.
- Valve for radiators, Air-. F. W. Leuthesser. No. 889,142; May 26; Sp. p. 5680; Dr. p. 1202; Gaz. vol. 134; p. 1009.
- Valve for radiators, Air-. F. W. Leuthesser. No. 891,180; June 16; Sp. p. 4011; Dr. p. 880; Gaz. vol. 134; p. 1762.
- Valve for radiators, Air-. T. Wheatley. No. 903,250; Nov. 10; Sp. p. 1437; Gaz. vol. 137; p. 265.
- Valve for radiators, Venting-. L. W. Eggleston. No. 884,372; Apr. 14; Sp. p. 1439; Dr. p. 306; Gaz. vol. 133; p. 1450.
- Valve for rotary engines, Control-. E. Taylor. No. 899,814; Sept. 29; Sp. p. 5118; Dr. pp. 1094-5; Gaz. vol. 136; p. 960.
- Valve for sprinkler systems, Emergency-. C. A. Gray. No. 882,822; Mar. 24; Sp. p. 4623; Dr. p. 987; Gaz. vol. 133; p. 857.
- Valve for stand-pipes, &c. E. V. Anderson. No. 890,550; June 9; Sp. p. 2713; Dr. pp. 599-600; Gaz. vol. 134; p. 1524.
- Valve for steam-boiler water-gages, Check-. W. D. Geisler. No. 908,240; Dec. 29; Sp. p. 6242; Gaz. vol. 137; p. 2124.
- Valve for steam boilers and pipes, Reversible cut-off. J. Erwood. No. 893,911; July 21; Sp. p. 3198; Dr. p. 658; Gaz. vol. 135; p. 562.
- Valve for steam-boilers, Safety-. E. J. Clarke. No. 886,945; May 5; Sp. p. 1207; Dr. pp. 255-6; Gaz. vol. 134; p. 201.
- Valve for steam-engines, Emergency cut-off. W. D. Ranney. No. 883,480; Mar. 31; Sp. p. 5995; Dr. p. 1279; Gaz. vol. 133; p. 1105.
- Valve for steam-engines, Reversing-. J. Gardiner. No. 887,245; May 12; Sp. p. 1803; Dr. p. 380; Gaz. vol. 134; p. 324.
- Valve for steam-heating radiators, Drain-. L. E. Fuller. No. 900,159; Oct. 6; Sp. p. 186; Dr. p. 38; Gaz. vol. 136; p. 1102.
- Valve for steam-heating, Vacuum-. N. Doiese. No. 900,153; Oct. 6; Sp. p. 171; Dr. p. 35; Gaz. vol. 136; p. 1101.
- Valve for stench or water-seal traps, Air-. G. W. Renton. No. 878,424; Feb. 4; Sp. p. 1064; Dr. p. 215; Gaz. vol. 132; p. 1023.
- Valve for the air-ducts of brick-kilns and the like. E. H. Callaway. No. 892,579; July 7; Sp. p. 354; Dr. pp. 77-8; Gaz. vol. 135; p. 66.
- Valve for turbines, Regulating-. R. H. Rice. No. 881,871; Mar. 10; Sp. p. 2754; Dr. p. 590; Gaz. vol. 133; p. 486.
- Valve, Furnace-. C. Longenecker. No. 878,213; Feb. 4; Sp. p. 659; Dr. p. 135; Gaz. vol. 132; p. 853.
- Valve, Furnace-. J. B. McKennan. No. 884,033; Apr. 7; Sp. p. 740; Dr. p. 152; Gaz. vol. 133; p. 1310.
- Valve-gage. A. O. Kookon. No. 888,826; May 26; Sp. p. 5043; Dr. p. 1076; Gaz. vol. 134; p. 906.
- Valve, Gas-. A. Jarmolowsky. No. 891,076; June 16; Sp. p. 3828; Dr. p. 836; Gaz. vol. 134; p. 1730.
- Valve, Gas-. G. F. Barnard. No. 906,852; Dec. 15; Sp. p. 3357; Gaz. vol. 137; p. 1599.
- Valve, Gas-engine. J. I. Thompson. No. 880,601; Mar. 3; Sp. p. 231; Dr. p. 48; Gaz. vol. 133; p. 40.
- Valve, Gas-engine. W. B. Engler and C. J. Kryzanowsky. No. 885,459; Apr. 21; Sp. p. 3675; Dr. p. 770; Gaz. vol. 133; p. 1836.
- Valve, Gas-engine mixing-. A. J. West. No. 876,509; Jan. 14; Sp. p. 1669; Dr. pp. 362-3; Gaz. vol. 132; p. 304.
- Valve, Gas-engine relief-. J. W. Hasburg. No. 891,541; June 23; Sp. p. 4776; Dr. p. 1033; Gaz. vol. 134; p. 1914.
- Valve, Gate-. J. R. De Remer. No. 876,625; Jan. 14; Sp. p. 1939; Dr. p. 423; Gaz. vol. 132; p. 345.
- Valve, Gate-. A. G. Paul. No. 880,463; Feb. 25; Sp. p. 5312; Dr. pp. 1117-18; Gaz. vol. 132; p. 1798.
- Valve, Gate-. J. P. Ladd. No. 880,674; Mar. 3; Sp. p. 367; Dr. p. 81; Gaz. vol. 133; p. 65.
- Valve, Gate-. H. A. Hansen. No. 891,062; June 16; Sp. p. 3808; Dr. p. 831; Gaz. vol. 134; p. 1726.
- Valve, Gate-. G. H. Benton. No. 901,146; Oct. 13; Sp. p. 2242; Dr. p. 456; Gaz. vol. 136; p. 1451.
- Valve, Gate-. J. M. Brown. No. 903,354; Nov. 10; Sp. p. 1633; Gaz. vol. 137; p. 299.
- Valve, Gate-. H. C. Farrell. No. 904,056; Nov. 17; Sp. p. 3088; Gaz. vol. 137; p. 561.
- Valve-gate and operating means therefor. A. Suck. No. 877,963; Feb. 4; Sp. p. 133; Dr. pp. 30-1; Gaz. vol. 132; p. 871.
- Valve-gear. C. C. Vinson. No. 881,748; Mar. 10; Sp. p. 2496; Dr. pp. 537-8; Gaz. vol. 133; p. 445.
- Valve-gear. J. Haase. No. 882,247; Mar. 17; Sp. p. 3518; Dr. p. 747; Gaz. vol. 133; p. 636.
- Valve-gear. L. E. Feightner. No. 895,995; Aug. 11; Sp. p. 2444; Dr. p. 527; Gaz. vol. 135; p. 1319.
- Valve-gear. A. J. Pocock. No. 897,654; Sept. 1; Sp. p. 831; Dr. pp. 175-6; Gaz. vol. 136; p. 133.
- Valve-gear. J. E. Yoder. No. 898,543; Sept. 15; Sp. p. 2639; Dr. p. 564; Gaz. vol. 136; p. 484.
- Valve-gear. C. J. Pilliod and A. D. Baker. No. 902,603; Nov. 3; Sp. p. 148; Gaz. vol. 137; p. 24.
- Valve-gear, Engine. J. S. Spurgeon. No. 898,797; Sept. 15; Sp. p. 3111; Dr. pp. 666-7; Gaz. vol. 136; p. 566.
- Valve-gear for explosive and internal-combustion engines. F. M. Rites. No. 888,037; May 19; Sp. p. 3442; Dr. p. 723; Gaz. vol. 134; p. 619.
- Valve-gear for gas-engines. F. E. Norton. No. 884,677; Apr. 14; Sp. p. 2078; Dr. p. 444; Gaz. vol. 133; p. 1549.
- Valve-gear for internal-combustion engines. H. F. Lloyd. No. 903,741; Nov. 10; Sp. p. 2404; Gaz. vol. 137; p. 423.
- Valve-gear for steam-engines. A. D. Baker. No. 881,286; Mar. 10; Sp. p. 1596; Dr. p. 342; Gaz. vol. 133; p. 298.
- Valve-gear, Locomotive. W. S. Brown. No. 901,066; Oct. 13; Sp. p. 2096; Dr. p. 426; Gaz. vol. 136; p. 1426.
- Valve, Graduated low-pressure steam and water inlet. E. A. Midgley. No. 907,625; Dec. 22; Sp. p. 4920; Gaz. vol. 137; p. 1888.
- Valve, Graduated release. W. V. Turner. No. 879,700; Feb. 18; Sp. p. 3731; Dr. p. 782; Gaz. vol. 132; p. 1512.
- Valve, Graduating release-. J. W. Cloud. No. 895,341; Aug. 4; Sp. p. 1135; Dr. p. 238-9; Gaz. vol. 135; p. 1083.
- Valve, Graduating triple. W. V. Turner. No. 890,824; June 16; Sp. p. 3322; Dr. p. 727; Gaz. vol. 134; p. 1648.
- Valve guide, Flushing-. C. L. Holden. No. 889,609; June 2; Sp. p. 827; Dr. p. 189; Gaz. vol. 134; p. 1192.
- Valve-handle. W. P. Marble. No. 899,117; Sept. 22; Sp. p. 3693; Dr. p. 792; Gaz. vol. 136; p. 697.
- Valve-handle. W. P. Marble. No. 899,118; Sept. 22; Sp. p. 3695; Dr. p. 792; Gaz. vol. 136; p. 698.
- Valve, Hopper-. F. L. Sawyer. No. 898,689; Sept. 15; Sp. p. 2920; Dr. p. 625; Gaz. vol. 136; p. 531.
- Valve, Hydrant and hose cut-off. F. S. Seagrave. No. 880,581; Mar. 3; Sp. p. 186; Dr. p. 40; Gaz. vol. 133; p. 34.
- Valve, Hydrant cut-off. F. S. Seagrave. No. 880,580; Mar. 3; Sp. p. 185; Dr. p. 40; Gaz. vol. 133; p. 33.

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- Valve, Hydraulic. C. E. Gillette. No. 886,594; May 5; Sp. p. 501; Dr. p. 107; Gaz. vol. 134; p. 89.
 Valve, Hydraulic. C. L. Taylor. No. 891,964; June 30; Sp. p. 5678; Dr. p. 1223; Gaz. vol. 134; p. 2087.
 Valve, Hydraulic-seal safety-. A. B. Dräger. No. 883,700; Apr. 7; Sp. p. 52; Dr. p. 7; Gaz. vol. 133; p. 1201.
 Valve, Intercepting-. G. E. Wilson and W. J. Frawley. No. 888,375; May 19; Sp. p. 4080; Dr. pp. 860-1; Gaz. vol. 134; p. 726.
 Valve lever mechanism, Throttle-. J. F. Murphy. No. 906,647; Dec. 15; Sp. p. 2955; Gaz. vol. 137; p. 1534.
 Valve-lifter. D. Rohen and D. E. Forton. No. 886,868; May 5; Sp. p. 1069; Dr. p. 225; Gaz. vol. 134; p. 176.
 Valve-locking means. J. Powell. No. 882,535; Mar. 17; Sp. p. 4063; Dr. p. 864; Gaz. vol. 133; p. 732.
 Valve-locking mechanism. L. A. Werner. No. 880,056; Feb. 25; Sp. p. 4486; Dr. p. 942; Gaz. vol. 130; p. 1662.
 Valve mechanism. L. J. Johnson. No. 876,830; Jan. 14; Sp. p. 2420; Dr. p. 528; Gaz. vol. 132; p. 427.
 Valve mechanism. W. B. Wade. No. 883,123; Mar. 24; Sp. p. 5235; Dr. p. 1117; Gaz. vol. 133; p. 957.
 Valve mechanism. G. S. Bowes. No. 891,979; June 30; Sp. p. 5702; Dr. p. 1227; Gaz. vol. 134; p. 2092.
 Valve mechanism, Engine. A. Good. No. 897,736; Sept. 1; Sp. p. 1000; Dr. pp. 212-13; Gaz. vol. 136; p. 161.
 Valve mechanism, Engine. W. L. Wayrynen. No. 893,807; Sept. 15; Sp. p. 3128; Dr. p. 670; Gaz. vol. 136; p. 568.
 Valve mechanism, Flushing-tank. W. H. Ludewig. No. 897,117; Aug. 25; Sp. p. 4727; Dr. pp. 1007-8; Gaz. vol. 135; p. 1730.
 Valve mechanism for air-compressors. T. H. Smith. No. 888,126; May 19; Sp. p. 3612; Dr. p. 757; Gaz. vol. 134; p. 646.
 Valve mechanism for closet-bowls. C. M. Eckland. No. 908,224; Dec. 29; Sp. p. 6215; Gaz. vol. 137; p. 2118.
 Valve mechanism for compressors. S. A. Reeve. No. 878,562; Feb. 11; Sp. p. 1433; Dr. pp. 292-3; Gaz. vol. 132; p. 1103.
 Valve mechanism for engines and compressors. S. A. Reeve. No. 880,824; Mar. 3; Sp. p. 684; Dr. pp. 143-6; Gaz. vol. 133; p. 117.
 Valve mechanism for explosive-engines. L. A. Merk. No. 903,748; Nov. 10; Sp. p. 2419; Gaz. vol. 137; p. 425.
 Valve mechanism for explosive-engines, Inlet-. W. Ottaway. No. 876,582; Jan. 14; Sp. p. 1834; Dr. p. 401; Gaz. vol. 132; p. 330.
 Valve mechanism for fluid-motors. A. Becht. No. 897,574; Sept. 1; Sp. p. 685; Dr. p. 144; Gaz. vol. 136; p. 108.
 Valve mechanism for gas-engines. H. Stoltenberg. No. 880,835; Mar. 3; Sp. p. 717; Dr. pp. 150-1; Gaz. vol. 133; p. 121.
 Valve mechanism for internal-combustion engines, Inlet-. H. Reinshagen. No. 876,236; Jan. 7; Sp. p. 1067; Dr. p. 231; Gaz. vol. 132; p. 181.
 Valve mechanism for internal-combustion motors, Reversing-. J. Sulzer. No. 880,051; Feb. 25; Sp. p. 4477; Dr. p. 941; Gaz. vol. 132; p. 1661.
 Valve mechanism for steam-engines, Throttle-. G. B. Petsche. No. 881,485; Mar. 10; Sp. p. 1986; Dr. pp. 432-3; Gaz. vol. 133; p. 360.
 Valve mechanism for steam-engines, Throttle-. G. B. Petsche. No. 881,486; Mar. 10; Sp. p. 1988; Dr. p. 433; Gaz. vol. 133; p. 361.
 Valve mechanism for water-elevators. J. L. Latta. No. 889,794; June 2; Sp. p. 1173; Dr. pp. 271-2; Gaz. vol. 134; p. 1249.
 Valve mechanism, Motor-. E. G. Howard. No. 892,833; July 7; Sp. p. 878; Dr. p. 188; Gaz. vol. 135; p. 148.
 Valve mechanism, Pneumatic-. T. Vrana and B. Schiba. No. 883,065; Mar. 24; Sp. p. 5107; Dr. p. 1089; Gaz. vol. 133; p. 937.
 Valve mechanism, Safety-discharge-. J. C. Bowers. No. 885,578; Apr. 21; Sp. p. 3927; Dr. p. 820; Gaz. vol. 133; p. 1871.
 Valve mechanism, Sand-. D. T. Barnett. No. 896,968; Aug. 25; Sp. p. 4428; Dr. p. 946; Gaz. vol. 135; p. 1680.
 Valve, Mixing-. R. Rost. No. 878,023; Feb. 4; Sp. p. 275; Dr. p. 59; Gaz. vol. 132; p. 892.
 Valve, Mixing-. H. D. Lauson. No. 903,260; Nov. 10; Sp. p. 1345; Gaz. vol. 137; p. 251.
 Valve-motion for direct-acting engines, Tappet. D. J. O'Rourke. No. 892,297; June 30; Sp. p. 6301; Dr. p. 1357; Gaz. vol. 134; p. 2196.
 Valve-nut. W. H. Noonan. No. 905,566; Dec. 1; Sp. p. 919; Gaz. vol. 137; p. 1130.
 Valve operated by air. J. Bowers. No. 877,043; Jan. 21; Sp. p. 2805; Dr. p. 606; Gaz. vol. 132; p. 523.
 Valve-operating device for compressors. W. Frellwitz. No. 893,135; Sept. 8; Sp. p. 1847; Dr. pp. 393-4; Gaz. vol. 134; p. 321.
 Valve-operating mechanism. W. B. Jackson. No. 887,253; May 12; Sp. p. 1820; Dr. p. 385; Gaz. vol. 134; p. 326.
 Valve-operating mechanism. W. B. and E. Rummion. No. 891,568; June 23; Sp. p. 4831; Dr. p. 1042; Gaz. vol. 134; p. 1922.
 Valve-operating mechanism. M. H. Henesey. No. 898,472; Sept. 15; Sp. p. 2489; Dr. p. 532; Gaz. vol. 136; p. 461.
 Valve-operating mechanism. A. E. Greene. No. 902,725; Nov. 3; Sp. p. 388; Gaz. vol. 137; p. 66.
 Valve-operating mechanism. P. D. Johnston. No. 905,435; Dec. 1; Sp. p. 653; Gaz. vol. 137; p. 1088.
 Valve-operating mechanism, Electromagnetic. J. B. Struble and E. R. Coe. No. 906,331; Dec. 8; Sp. p. 2389; Gaz. vol. 137; p. 1410.
 Valve-operating mechanism for hydrocarbon-engines. R. Huff. No. 891,340; June 23; Sp. p. 4371; Dr. p. 952; Gaz. vol. 134; p. 1848.
 Valve-operating mechanism, Hydraulic turbine-. C. Beale and D. P. Moore. No. 894,105; July 21; Sp. p. 3593; Dr. p. 740; Gaz. vol. 135; p. 627.
 Valve, Oscillating steam-balanced. J. H. Burnham. No. 884,362; Apr. 14; Sp. p. 1408; Dr. p. 301; Gaz. vol. 133; p. 1445.
 Valve, Piston-. W. A. Stamm. No. 878,834; Feb. 11; Sp. p. 1972; Dr. p. 409; Gaz. vol. 132; p. 1191.
 Valve, Piston-. J. A. Scott. No. 885,650; Apr. 21; Sp. p. 4067; Dr. p. 850; Gaz. vol. 133; p. 1893.
 Valve, Piston-. H. S. Sprague. No. 901,846; Oct. 20; Sp. p. 3722; Dr. pp. 756-7; Gaz. vol. 136; p. 1716.
 Valve, Piston-. M. Christman and E. Johnson. No. 904,839; Nov. 24; Sp. p. 4756; Gaz. vol. 137; p. 853.
 Valve, Piston inlet-. H. C. Sergeant. No. 904,459; Nov. 17; Sp. p. 3933; Gaz. vol. 137; p. 698.
 Valve, Plug. J. H. Chandler. No. 904,307; Nov. 17; Sp. p. 3645; Gaz. vol. 137; p. 649.
 Valve, Pneumatic. G. F. Döhning. No. 885,737; Apr. 28; Sp. p. 4261; Dr. p. 892; Gaz. vol. 133; p. 1952.
 Valve-position controlling and indicator device. F. N. Connet. No. 899,029; Sept. 22; Sp. p. 3541; Dr. p. 757; Gaz. vol. 136; p. 669.
 Valve, Pressure-reducing. W. V. Turner. No. 879,698; Feb. 18; Sp. p. 3724; Dr. p. 781; Gaz. vol. 132; p. 1512.
 Valve, Pressure-reducing. T. Robinson. No. 892,450; July 7; Sp. p. 121; Dr. p. 26; Gaz. vol. 135; p. 24.
 Valve, Pressure-reducing. F. T. Cable. No. 895,426; Aug. 11; Sp. p. 1307; Dr. p. 274; Gaz. vol. 135; p. 1134.
 Valve, Pressure-regulating. S. Ybarra. No. 887,564; May 12; Sp. p. 2517; Dr. p. 530; Gaz. vol. 134; p. 433.
 Valve, Puppet-. J. H. Dickinson. No. 886,357; May 5; Sp. p. 33; Dr. p. 7; Gaz. vol. 134; p. 9.
 Valve, Quick-opening. J. T. Hayden. No. 875,812; Jan. 7; Sp. p. 259; Dr. p. 56; Gaz. vol. 132; p. 48.
 Valve, Quick-opening. J. C. Pollock. No. 903,606; Nov. 10; Sp. p. 2154; Gaz. vol. 137; p. 392.
 Valve, Radiator-. F. B. Morgan. No. 884,601; Apr. 14; Sp. p. 1893; Dr. p. 406; Gaz. vol. 133; p. 1524.
 Valve, Radiator-. F. W. Leuthesser. No. 888,913; May 26; Sp. p. 5236; Dr. p. 1110; Gaz. vol. 134; p. 937.
 Valve, Radiator-. A. S. Trask. No. 904,102; Nov. 17; Sp. p. 3177; Gaz. vol. 137; p. 577.
 Valve, Receptacle-filling. W. J. Cunningham. No. 889,106; May 26; Sp. p. 5614; Dr. p. 1188; Gaz. vol. 134; p. 998.
 Valve recording and indicating device. H. C. Howard. No. 899,733; Sept. 29; Sp. p. 4929; Dr. p. 1057; Gaz. vol. 136; p. 932.
 Valve, Reducing-. G. W. Collin. No. 877,908; Feb. 4; Sp. p. 27; Dr. p. 6; Gaz. vol. 132; p. 853.
 Valve, Reducing-. G. W. Collin. No. 895,343; Aug. 4; Sp. p. 1139; Dr. p. 239; Gaz. vol. 135; p. 1084.
 Valve, Regulated automatic-closing. J. L. Gish. No. 892,987; July 14; Sp. p. 1235; Dr. p. 257; Gaz. vol. 135; p. 230.
 Valve, Regulating-. A. Ullmann. No. 876,285; Jan. 7; Sp. p. 1174; Dr. p. 256; Gaz. vol. 132; p. 198.
 Valve, Relief-. C. W. Miller. No. 880,088; Feb. 25; Sp. p. 4543; Dr. p. 956; Gaz. vol. 132; p. 1672.
 Valve, Relief-. J. L. Doherty. No. 887,033; May 5; Sp. p. 1377; Dr. p. 293; Gaz. vol. 134; p. 229.
 Valve, Relief-. W. F. Krichbaum. (Reissue). No. 12,813; June 16; Sp. p. 4123; Dr. p. 903; Gaz. vol. 134; p. 1778.
 Valve, Relief-. F. Schreidt. No. 896,468; Aug. 18; Sp. p. 3364; Dr. p. 725; Gaz. vol. 135; p. 1493.
 Valve, Relief-. F. C. Roberts. No. 896,939; Aug. 25; Sp. p. 4355; Dr. p. 933; Gaz. vol. 135; p. 1670.
 Valve, Relief-. J. W. Rowe. No. 899,077; Sept. 22; Sp. p. 3622; Dr. p. 776; Gaz. vol. 136; p. 683.
 Valve, Relief-. J. Erwood. No. 901,084; Oct. 13; Sp. p. 2128; Dr. p. 434; Gaz. vol. 136; p. 1431.
 Valve-remover. B. A. Swenson. No. 890,725; June 16; Sp. p. 3112; Dr. p. 682; Gaz. vol. 134; p. 1615.
 Valve-remover. B. A. Swenson. No. 896,336; Aug. 18; Sp. p. 3099; Dr. p. 666; Gaz. vol. 135; p. 1450.
 Valve-reseating device. J. G. Holmes and G. Puffer. No. 876,964; Jan. 21; Sp. p. 2627; Dr. p. 570; Gaz. vol. 132; p. 495.
 Valve, Reversing-. U. A. Peters. No. 888,736; May 26; Sp. p. 4829; Dr. p. 1031; Gaz. vol. 134; p. 877.
 Valve, Safety-. J. H. Thiele. No. 876,746; Jan. 14; Sp. p. 2167; Dr. p. 476; Gaz. vol. 132; p. 384.
 Valve, Safety-. J. Fraser. No. 886,051; Apr. 28; Sp. p. 4925; Dr. p. 1035; Gaz. vol. 133; p. 2057.
 Valve, Safety-. S. Densmore and E. H. Gorey. No. 887,381; May 12; Sp. p. 2156; Dr. p. 451; Gaz. vol. 134; p. 372.
 Valve-seat grinder. F. Kopriva. No. 886,002; Apr. 28; Sp. p. 4818; Dr. p. 1012; Gaz. vol. 133; p. 2041.
 Valve, Self-closing measuring-. A. J. Sweet. No. 898,999; Sept. 15; Sp. p. 3469; Dr. p. 743; Gaz. vol. 136; p. 631.
 Valve-setting machine. R. E. Wyllie and J. D. Twohig. No. 894,995; Aug. 4; Sp. p. 443; Dr. p. 90; Gaz. vol. 135; p. 966.
 Valve, Slide-. J. Hargreaves. No. 887,798; May 19; Sp. p. 2980; Dr. p. 626; Gaz. vol. 134; p. 540.
 Valve, Slide-. M. J. Maloney. No. 892,278; June 30; Sp. p. 6267; Dr. p. 1349; Gaz. vol. 134; p. 2189.
 Valve, Soft-plug. W. Baker. No. 901,142; Oct. 13; Sp. p. 2234; Dr. p. 454; Gaz. vol. 136; p. 1449.
 Valve, Starting-. A. Stewart, J. McCluskey, and H. G. Reid. No. 892,194; June 30; Sp. p. 6105; Dr. p. 1312; Gaz. vol. 134; p. 2161.
 Valve, Steam-. J. J. Lawler. No. 893,527; July 14; Sp. p. 2306; Dr. p. 484; Gaz. vol. 135; p. 405.
 Valve, Steam-. W. Baker. No. 901,141; Oct. 13; Sp. p. 2232; Dr. p. 454; Gaz. vol. 136; p. 1448.
 Valve, Steam-balanced slide-. F. Barngrover. No. 907,308; Dec. 22; Sp. p. 4262; Gaz. vol. 137; p. 1785.
 Valve, Steam-engine. F. M. Rutledge. No. 896,943; Aug. 25; Sp. p. 4359; Dr. p. 934; Gaz. vol. 135; p. 1671.
 Valve, Steam-engine reverse-. W. E. Rickey and A. C. Smith. No. 896,324; Aug. 18; Sp. p. 3077; Dr. pp. 662-3; Gaz. vol. 135; p. 1446.
 Valve, Steam-pressure-reducing. G. W. Collin. No. 877,907; Feb. 4; Sp. p. 25; Dr. p. 5; Gaz. vol. 132; p. 852.
 Valve, Steam throttle-. T. A. Pitman. No. 903,767; Nov. 10; Sp. p. 2458; Gaz. vol. 137; p. 431.
 Valve-stem. J. T. Hayden. No. 900,534; Oct. 6; Sp. p. 996; Dr. p. 203; Gaz. vol. 136; p. 1225.
 Valve-stem and tire-deflation alarm. A. E. Kay. No. 881,410; Mar. 10; Sp. p. 1832; Dr. pp. 397-8; Gaz. vol. 133; p. 336.

Alphabetical list of inventions—Continued.

- Valve-stem case. E. B. Sinkler. No. 897,936; Sept. 8; Sp. p. 1440; Dr. p. 308; Gaz. vol. 136; p. 258.
- Valve-stem packing. E. P. Coleman. No. 906,199; Dec. 8; Sp. p. 2129; Gaz. vol. 137; p. 1365.
- Valve-stem, Safety. A. I. Mercer. No. 893,184; July 14; Sp. p. 1619; Dr. p. 341; Gaz. vol. 135; p. 293.
- Valve, Stop-. J. Hopkinson and R. Kilburn. No. 887,638; May 12; Sp. p. 2654; Dr. p. 559; Gaz. vol. 134; p. 457.
- Valve, Stop and waste. J. N. Mortimer. No. 898,383; Sept. 8; Sp. p. 2298; Dr. p. 488; Gaz. vol. 136; p. 399.
- Valve stuffing-box, Engine-. J. J. MacMulklin. No. 904,790; Nov. 24; Sp. p. 4657; Gaz. vol. 137; p. 836.
- Valve system and tracker-board. H. Pierce. No. 899,469; Sept. 22; Sp. p. 4372; Dr. p. 938; Gaz. vol. 136; p. 809.
- Valve, Tank-. C. A. Lindström. No. 902,748; Nov. 3; Sp. p. 424; Gaz. vol. 137; p. 75.
- Valve, Tank-. J. H. Bodgens. No. 905,787; Dec. 1; Sp. p. 1327; Gaz. vol. 137; p. 1201.
- Valve, Tank flush-. H. C. Freshour. No. 895,741; Aug. 11; Sp. p. 1935; Dr. p. 409; Gaz. vol. 135; p. 1237.
- Valve, Tank flush-. H. C. Freshour. No. 895,742; Aug. 11; Sp. p. 1936; Dr. p. 410; Gaz. vol. 135; p. 1237.
- Valve, Thermostatic. A. F. Ames. No. 894,806; Aug. 4; Sp. p. 3; Dr. p. 1; Gaz. vol. 135; p. 901.
- Valve, Thermostatic. A. G. Paul. No. 903,310; Nov. 10; Sp. p. 1542; Gaz. vol. 137; p. 285.
- Valve, Throttle-. J. S. Chambers. (Reissue.) No. 12,755; Feb. 25; Sp. p. 5374; Dr. p. 1132; Gaz. vol. 132; p. 1808.
- Valve, Throttle-. G. W. Morris. No. 890,682; June 16; Sp. p. 3013; Dr. pp. 661-2; Gaz. vol. 134; p. 1601.
- Valve-timing device, Explosive-engine. L. L. Kell. No. 895,645; Aug. 11; Sp. p. 1731; Dr. p. 367; Gaz. vol. 135; p. 1205.
- Valve Train safety cut-out. G. H. Wilson. No. 894,093; July 21; Sp. p. 3575; Dr. p. 736; Gaz. vol. 135; p. 623.
- Valve-trap. W. F. Dzur. No. 877,181; Jan. 21; Sp. p. 3094; Dr. p. 670; Gaz. vol. 132; p. 569.
- Valve, Triple. W. A. Weant. No. 882,599; Mar. 24; Sp. p. 4187; Dr. p. 888; Gaz. vol. 133; p. 784.
- Valve, Triple. E. C. Washburn. No. 892,101; June 30; Sp. p. 5913; Dr. p. 1275; Gaz. vol. 134; p. 2129.
- Valve, Triple. W. V. Turner. No. 907,199; Dec. 22; Sp. p. 4034; Gaz. vol. 137; p. 1746.
- Valve, Water and air relief-. A. Harrison. No. 895,265; Aug. 4; Sp. p. 994; Dr. p. 208; Gaz. vol. 135; p. 1058.
- Valve, Water-cooled reversing-. J. Barnes. No. 886,285; Apr. 28; Sp. p. 5355; Dr. p. 1126; Gaz. vol. 133; p. 2134.
- Valve, Water-jacketed controlling and check. F. Peulecke. No. 880,569; Mar. 3; Sp. p. 160; Dr. p. 35; Gaz. vol. 133; p. 30.
- Valve, Water-relief. G. W. Day. No. 881,848; Mar. 10; Sp. p. 2690; Dr. p. 575; Gaz. vol. 133; p. 478.
- Valve, Wet-pipe alarm-. C. B. Garrett. No. 876,869; Jan. 14; Sp. p. 2393; Dr. p. 521; Gaz. vol. 132; p. 423.
- Valve with overflow attachment, Regulated automatic swinging. O. E. Noble. No. 896,039; Aug. 11; Sp. p. 2525; Dr. p. 549; Gaz. vol. 135; p. 1333.
- Valves and other uses, Reversing device for engine-. K. C. Hoxie. No. 882,887; Mar. 24; Sp. p. 4771; Dr. p. 1015; Gaz. vol. 133; p. 878.
- Valves, Bush for. F. T. Fiegehen and C. R. C. Hart. No. 888,782; May 19; Sp. p. 2946; Dr. p. 620; Gaz. vol. 134; p. 335.
- Valves, Device for indicating the position of water or sluice-gate. F. E. Adams and C. W. Kragh. No. 876,423; Jan. 14; Sp. p. 1486; Dr. pp. 319-20; Gaz. vol. 132; p. 274.
- Valves, Grinding attachment for check-. M. P. Maxwell. No. 884,942; Apr. 14; Sp. p. 2599; Dr. p. 549; Gaz. vol. 133; p. 1633.
- Valves, Manufacturing air-chambers for relief-. H. Burnet. No. 899,656; Sept. 29; Sp. p. 4776; Dr. p. 1022; Gaz. vol. 136; p. 908.
- Valves, Mechanism for operating indicators for hydraulic. G. W. Knight. No. 881,412; Mar. 10; Sp. p. 1836; Dr. p. 398; Gaz. vol. 133; p. 336.
- Valves of an air-brake system from the engine, Means for operating the retaining-. H. P. Zackey. No. 906,764; Dec. 15; Sp. p. 3194; Gaz. vol. 137; p. 1572.
- Valves, &c., Operating mechanism for radiator-. W. H. Pearce. No. 887,514; May 12; Sp. p. 2424; Dr. p. 511; Gaz. vol. 134; p. 416.
- Valves or electric switches at predetermined times, Means for automatically operating gas or other. A. Hare. No. 904,425; Nov. 17; Sp. p. 3861; Gaz. vol. 137; p. 687.
- Vamp cementing and snipping machine. H. I. Illingworth. No. 878,958; Feb. 11; Sp. p. 2208; Dr. p. 462; Gaz. vol. 132; p. 1231.
- Vamp-folding machine. G. F. Dunn. (Reissue.) No. 12,746; Feb. 4; Sp. p. 1214; Dr. pp. 251-2; Gaz. vol. 132; p. 1044.
- Vamp-folding machine. H. Lyon. No. 888,103; May 19; Sp. p. 3584; Dr. pp. 749-51; Gaz. vol. 134; p. 640.
- Van, Moving-. A. B. Yetter. No. 901,766; Oct. 20; Sp. p. 3576; Dr. p. 724; Gaz. vol. 135; p. 1691.
- Vanadium from sulfid ores, Reducing. F. M. Becket. No. 893,128; July 14; Sp. p. 1505; Gaz. vol. 135; p. 276.
- Vanner-roller. H. L. Jennings. No. 902,736; Nov. 3; Sp. p. 406; Gaz. vol. 137; p. 70.
- Vapor and gas purifying apparatus. J. A. Serrell. No. 885,185; Apr. 21; Sp. p. 3125; Dr. p. 657; Gaz. vol. 133; p. 1745.
- Vapor apparatus, Starting device for mercury. O. O. Kruh. No. 887,660; May 12; Sp. p. 2695; Dr. p. 570; Gaz. vol. 134; p. 464.
- Vapor-burner. F. Kitzsteiner. No. 878,142; Feb. 4; Sp. p. 490; Dr. p. 105; Gaz. vol. 132; p. 929.
- Vapor-burner, Incandescent. A. Blanchard and H. Wood. No. 887,304; May 12; Sp. p. 1972; Dr. p. 414; Gaz. vol. 134; p. 347.
- Vapor-burner, Incandescent. J. C. Heinritz and J. W. McCuen. No. 888,707; May 26; Sp. p. 4785; Dr. p. 1019; Gaz. vol. 134; p. 869.
- Vapor conductors, Exhausting. A. M. Jackson. No. 881,583; Mar. 10; Sp. p. 2177; Dr. p. 474; Gaz. vol. 133; p. 396.
- Vapor-generating apparatus. E. Thomson. No. 892,097; June 30; Sp. p. 5897; Dr. p. 1270; Gaz. vol. 134; p. 2127.
- Vapors, Fractional condensation of. L. Löwenstein. No. 898,980; Sept. 15; Sp. p. 3434; Dr. p. 737; Gaz. vol. 136; p. 625.
- Vapors, Means for withdrawing and condensing. C. B. Lowry and R. Bernhard. No. 902,097; Oct. 27; Sp. p. 4236; Dr. p. 858; Gaz. vol. 136; p. 1827.
- Vaporizer. G. H. Gerber and A. Weiland. No. 877,890; Jan. 28; Sp. p. 4467; Dr. p. 974; Gaz. vol. 132; p. 819.
- Vaporizer. E. L. Dunning. No. 888,393; May 19; Sp. p. 4111; Dr. p. 868; Gaz. vol. 134; p. 732.
- Vaporizer and burner, Spirit. W. Liedke and O. Rabenhorst. No. 888,024; May 19; Sp. p. 3423; Dr. p. 719; Gaz. vol. 134; p. 615.
- Vaporizer for disinfectants. J. G. Goodhue and H. K. Henry. No. 876,904; Jan. 14; Sp. p. 2470; Dr. pp. 639-40; Gaz. vol. 132; p. 435.
- Vaporizer for medicaments. E. L. Loveless. No. 878,296; Feb. 4; Sp. p. 832; Dr. p. 165; Gaz. vol. 132; p. 982.
- Vaporizer, Perfume-. E. J. Keefer. No. 896,552; Aug. 18; Sp. p. 3539; Dr. p. 760; Gaz. vol. 135; p. 1521.
- Vaporizing-burner. H. J. D. de Sales. No. 894,064; July 21; Sp. p. 3524; Dr. p. 722; Gaz. vol. 135; p. 613.
- Variable-clearance engine. S. A. Reeve. No. 880,825; Mar. 3; Sp. p. 691; Dr. p. 146; Gaz. vol. 133; p. 117.
- Variable-speed motor. A. A. Pifer and C. E. F. Ahlm. No. 900,420; Oct. 6; Sp. p. 728; Dr. p. 152; Gaz. vol. 136; p. 1188.
- Varnish and manufacture thereof. F. R. Suter. No. 905,384; Dec. 1; Sp. p. 510; Gaz. vol. 137; p. 1071.
- Varnish and producing same. A. P. Bjerregaard. No. 877,482; Jan. 28; Sp. p. 3676; Gaz. vol. 132; p. 687.
- Varnish composition. C. Ellis. No. 900,687; Oct. 6; Sp. p. 1326; Gaz. vol. 136; p. 1276.
- Varnish or paint, Substance for removing. W. H. Allen and W. J. Weaver. No. 876,251; Jan. 7; Sp. p. 1092; Gaz. vol. 132; p. 185.
- Vat: See Milk-vat.
- Vat and cage controlling and protecting means. E. Fleming. No. 896,444; Aug. 18; Sp. p. 3311; Dr. pp. 712-13; Gaz. vol. 135; p. 1484.
- Vat-support. G. S. Rominger. No. 880,243; Feb. 25; Sp. p. 4861; Dr. p. 1029; Gaz. vol. 132; p. 1725.
- Vats, Manufacture of indigo-white preparations suitable for fermentation-. A. Schmidt. No. 906,307; Dec. 8; Sp. p. 2337; Gaz. vol. 137; p. 1402.
- Vats or keirs, Machine for automatically folding or plaiting goods in. J. Gremminger. No. 892,828; July 7; Sp. p. 861; Dr. pp. 184-5; Gaz. vol. 135; p. 147.
- Vault. T. H. Seifert. No. 900,218; Oct. 6; Sp. p. 303; Dr. p. 62; Gaz. vol. 136; p. 1121.
- Vault, Burial-. W. C. Laeche. No. 877,095; Jan. 21; Sp. p. 2900; Dr. p. 627; Gaz. vol. 132; p. 539.
- Vault, Burial-. T. F. Kelly. No. 878,962; Feb. 11; Sp. p. 2217; Dr. p. 404; Gaz. vol. 132; p. 1232.
- Vault, Burial-. M. L. Brewer and L. B. Miller. No. 885,138; Apr. 21; Sp. p. 3021; Dr. p. 637; Gaz. vol. 133; p. 1731.
- Vault, Burial-. J. W. Sparks. No. 892,458; July 7; Sp. p. 133; Dr. p. 29; Gaz. vol. 135; p. 27.
- Vault, Burial-. W. B. Hall. No. 908,253; Dec. 29; Sp. p. 6259; Gaz. vol. 137; p. 2128.
- Vault, Cement burial-. W. H. Marshall. No. 896,223; Aug. 18; Sp. p. 2862; Dr. p. 616; Gaz. vol. 135; p. 1414.
- Vault-doors, Mounting for heavy. G. L. Damon. No. 901,425; Oct. 20; Sp. p. 2842; Dr. p. 581; Gaz. vol. 136; p. 1579.
- Vault, Grave-. W. A. Crew. No. 883,627; Mar. 31; Sp. p. 6275; Dr. p. 1338; Gaz. vol. 133; p. 1149.
- Vault-light. C. H. Paschall. No. 887,119; May 12; Sp. p. 1553; Dr. p. 328; Gaz. vol. 134; p. 255.
- Vault-lining. J. L. Grass. No. 880,020; Feb. 25; Sp. p. 4404; Dr. p. 925; Gaz. vol. 132; p. 1651.
- Vault lock, Grave-. J. E. Myers and B. I. Tuttle. No. 886,396; May 5; Sp. p. 108; Dr. p. 21; Gaz. vol. 134; p. 23.
- Vault, Portable burial-. F. C. Searle. No. 883,492; Mar. 31; Sp. p. 6019; Dr. p. 1285; Gaz. vol. 133; p. 1109.
- Vault, Sanitary. N. W. Hartman. No. 890,423; June 9; Sp. p. 2475; Dr. p. 548; Gaz. vol. 134; p. 1483.
- Vault-ventilator, Movable. F. S. Holmes and G. L. Damon. No. 901,710; Oct. 20; Sp. p. 3473; Dr. p. 703; Gaz. vol. 136; p. 1673.
- Vaults, Locking-closure for burial-. J. W. Sparks. No. 892,909; July 7; Sp. p. 1049; Dr. p. 220; Gaz. vol. 135; p. 173.
- Vaults, Mold for making burial-. T. M. Cass. No. 901,523; Oct. 20; Sp. p. 3064; Dr. pp. 626-7; Gaz. vol. 136; p. 1612.
- Vegetable and fruit picker. A. Elmberg. No. 888,229; May 19; Sp. p. 3800; Dr. p. 798; Gaz. vol. 134; p. 680.
- Vegetable-cutter. A. Bronson. No. 881,106; Mar. 10; Sp. p. 1226; Dr. pp. 263-4; Gaz. vol. 133; p. 237.
- Vegetable-cutter. M. S. Locke. No. 887,205; May 12; Sp. p. 1702; Dr. p. 362; Gaz. vol. 134; p. 312.
- Vegetable-cutter. J. F. Bell. No. 893,425; July 14; Sp. p. 2086; Dr. p. 437; Gaz. vol. 135; p. 372.
- Vegetable-cutter. W. Nieland. No. 903,307; Nov. 10; Sp. p. 1538; Gaz. vol. 137; p. 284.
- Vegetable cutter and trimmer. H. and M. Ruffy. No. 876,915; Jan. 14; Sp. p. 2497; Dr. p. 544; Gaz. vol. 132; p. 439.
- Vegetable-cutting machine. G. Vahle. No. 889,276; June 2; Sp. p. 163; Dr. p. 40; Gaz. vol. 134; p. 1084.
- Vegetable-grating device. S. R. Kelley. No. 904,206; Nov. 17; Sp. p. 3412; Gaz. vol. 137; p. 614.
- Vegetable peeler or scraper. E. W. Milhado. No. 902,428; Oct. 27; Sp. p. 4951; Dr. p. 999; Gaz. vol. 136; p. 1936.

Alphabetical list of inventions—Continued.

- Vegetable peeling and washing machine. S. D. Hyde. No. 906,529; Dec. 15; Sp. p. 2747; Gaz. vol. 137; p. 1498.
 Vegetable-separator. W. J. Sherrard. No. 898,515; Sept. 15; Sp. p. 2572; Dr. p. 550; Gaz. vol. 136; p. 475.
 Vegetable-slicing machine. J. J. Vavruska. No. 906,960; Dec. 8; Sp. p. 1664; Gaz. vol. 137; p. 1287.
 Vegetable-topping machine. W. R. Shufelt. No. 877,670; Jan. 28; Sp. p. 4079; Dr. p. 883; Gaz. vol. 132; p. 750.
 Vegetables, Apparatus for treating. C. S. Kierstead. No. 901,011; Oct. 13; Sp. p. 1996; Dr. pp. 405-6; Gaz. vol. 136; p. 1408.
 Vegetation-destroyer. C. H. Howard. No. 875,817; Jan. 7; Sp. p. 265; Dr. p. 58; Gaz. vol. 132; p. 49.
 Vegetation-destroyer. W. R. McKeen, Jr., and F. S. Barks. No. 877,515; Jan. 28; Sp. p. 3755; Dr. pp. 813-14; Gaz. vol. 132; p. 409.
 Vehicle. C. E. Thorp. No. 877,681; Jan. 28; Sp. p. 4096; Dr. pp. 886-7; Gaz. vol. 132; p. 753.
 Vehicle. N. H. Bloom. No. 879,437; Feb. 18; Sp. p. 3171; Dr. pp. 600-1; Gaz. vol. 132; p. 1427.
 Vehicle. J. S. Duncan and J. L. Crist. No. 880,129; Feb. 25; Sp. p. 4616; Dr. pp. 973-4; Gaz. vol. 132; p. 1685.
 Vehicle. H. S. Hele-Shaw. No. 880,526; Mar. 3; Sp. p. 62; Dr. pp. 14-16; Gaz. vol. 133; p. 14.
 Vehicle. C. H. Kramer. No. 881,933; Mar. 17; Sp. p. 2900; Dr. p. 618; Gaz. vol. 133; p. 536.
 Vehicle. M. F. Geserich. No. 884,014; Apr. 7; Sp. p. 700; Dr. p. 141; Gaz. vol. 133; p. 1304.
 Vehicle. I. Cowles and E. H. MacDowell. No. 891,328; June 23; Sp. p. 4339; Dr. p. 946; Gaz. vol. 134; p. 1844.
 Vehicle. J. H. Diel. No. 891,467; June 23; Sp. p. 4621; Dr. pp. 1003-4; Gaz. vol. 134; p. 1890.
 Vehicle. C. A. Smith. No. 891,872; June 30; Sp. p. 5479; Dr. pp. 1183-4; Gaz. vol. 134; p. 2056.
 Vehicle. E. R. Hewitt. No. 892,051; June 30; Sp. p. 5831; Dr. p. 1254; Gaz. vol. 134; p. 2114.
 Vehicle. C. A. Smith. No. 892,384; June 30; Sp. p. 6461; Dr. p. 1393; Gaz. vol. 134; p. 2222.
 Vehicle. J. W. and B. D. Glascock. No. 892,824; July 7; Sp. p. 851; Dr. p. 181; Gaz. vol. 135; p. 145.
 Vehicle. W. N. Snow. No. 894,074; July 21; Sp. p. 3542; Dr. p. 726; Gaz. vol. 135; p. 617.
 Vehicle. G. Simon. No. 894,544; July 28; Sp. p. 4528; Dr. p. 938; Gaz. vol. 135; p. 791.
 Vehicle. C. R. Jesse and R. T. Ware. No. 899,998; Sept. 29; Sp. p. 5488; Dr. pp. 1168-9; Gaz. vol. 136; p. 1016.
 Vehicle. C. E. Howe and J. J. Kingston. No. 902,965; Nov. 3; Sp. p. 865; Gaz. vol. 137; p. 144.
 Vehicle. J. K. Kendrick. No. 904,703; Nov. 24; Sp. p. 4455; Gaz. vol. 137; p. 808.
 Vehicle. W. G. Polsgrove. No. 906,284; Dec. 8; Sp. p. 2292; Gaz. vol. 137; p. 1394.
 Vehicle. J. W. P. Boettcher. No. 907,562; Dec. 22; Sp. p. 4748; Gaz. vol. 137; p. 1867.
 Vehicle and junction and crossing therefor. R. C. Sayer. No. 898,008; Sept. 8; Sp. p. 1582; Dr. pp. 337-9; Gaz. vol. 136; p. 281.
 Vehicle attachment. F. R. Allen. No. 875,766; Jan. 7; Sp. p. 171; Dr. p. 37; Gaz. vol. 132; p. 33.
 Vehicle attachment, Motor-. J. H., Jr., and G. J. F. Carpenter. No. 883,167; Mar. 31; Sp. p. 5327; Dr. p. 1136; Gaz. vol. 133; p. 1000.
 Vehicle-bodies, Means for raising. A. J. Pack. No. 899,430; Sept. 22; Sp. p. 4301; Dr. p. 923; Gaz. vol. 136; p. 797.
 Vehicle-bodies, Pneumatic suspension device for. G. W. Bell. No. 876,426; Jan. 14; Sp. p. 1492; Dr. pp. 320-1; Gaz. vol. 132; p. 275.
 Vehicle-body. M. R. Hull. No. 875,999; Jan. 7; Sp. p. 607; Dr. p. 130; Gaz. vol. 132; p. 106.
 Vehicle-body. F. Stratton. No. 876,026; Jan. 7; Sp. p. 658; Dr. pp. 141-2; Gaz. vol. 132; p. 114.
 Vehicle-body construction. W. B. C. Hershey. No. 907,352; Dec. 22; Sp. p. 4337; Gaz. vol. 137; p. 1799.
 Vehicle-body hanger. J. G. Anderson. No. 885,659; Apr. 21; Sp. p. 4087; Dr. p. 855; Gaz. vol. 133; p. 1897.
 Vehicle-body hanger. I. Cornwell. No. 898,555; Sept. 15; Sp. p. 2657; Dr. p. 568; Gaz. vol. 136; p. 488.
 Vehicle-body, Metal. H. and A. P. Smith. No. 879,205; Feb. 18; Sp. p. 2696; Dr. p. 562; Gaz. vol. 132; p. 1350.
 Vehicle-body-supporting plate. B. W. and F. M. Burdett. No. 895,537; Aug. 11; Sp. p. 1533; Dr. p. 324; Gaz. vol. 135; p. 1172.
 Vehicle bow-socket. J. C. Coss. No. 898,837; Sept. 15; Sp. p. 3182; Dr. p. 681; Gaz. vol. 136; p. 578.
 Vehicle box and frame lift, Automatic. H. C. De Weese. No. 905,154; Dec. 1; Sp. p. 58; Gaz. vol. 137; p. 993.
 Vehicle-brake. E. S. Ackerman. No. 877,031; Jan. 21; Sp. p. 2778; Dr. p. 601; Gaz. vol. 132; p. 519.
 Vehicle-brake. W. J. Watson. No. 877,971; Feb. 4; Sp. p. 149; Dr. p. 34; Gaz. vol. 132; p. 874.
 Vehicle-brake. P. H. Showalter. No. 879,203; Feb. 18; Sp. p. 2693; Dr. p. 562; Gaz. vol. 132; p. 1350.
 Vehicle-brake. E. A. Johnston. No. 883,202; Mar. 31; Sp. p. 5403; Dr. p. 1151; Gaz. vol. 133; p. 1013.
 Vehicle-brake. D. T. Lohne. No. 886,828; May 5; Sp. p. 1004; Dr. p. 211; Gaz. vol. 134; p. 164.
 Vehicle-brake. H. M. Vanderbilt. No. 887,551; May 12; Sp. p. 2488; Dr. p. 525; Gaz. vol. 134; p. 429.
 Vehicle-brake. T. Robino. No. 889,720; June 2; Sp. p. 1046; Dr. p. 242; Gaz. vol. 134; p. 1226.
 Vehicle-brake. J. G. Weller. No. 891,120; June 16; Sp. p. 3894; Dr. p. 852; Gaz. vol. 134; p. 1743.
 Vehicle-brake. O. S. Lee. No. 892,063; June 30; Sp. p. 5851; Dr. p. 1259; Gaz. vol. 134; p. 2117.
 Vehicle-brake. J. G. Miller. No. 894,029; July 21; Sp. p. 3457; Dr. pp. 706-7; Gaz. vol. 135; p. 602.
 Vehicle-brake. W. Wolfe. No. 898,082; Sept. 8; Sp. p. 1741; Dr. p. 370; Gaz. vol. 136; p. 305.
 Vehicle-brake. G. Londress. No. 898,904; Sept. 15; Sp. p. 3303; Dr. p. 708; Gaz. vol. 136; p. 601.
 Vehicle-brake. J. K. Kendrick. No. 901,451; Oct. 20; Sp. p. 2311; Dr. p. 593; Gaz. vol. 136; p. 1588.
 Vehicle-brake. G. Enrico. No. 903,068; Nov. 3; Sp. p. 1072; Gaz. vol. 137; p. 176.
 Vehicle-brake. L. Whiteside. No. 905,396; Dec. 1; Sp. p. 530; Gaz. vol. 137; p. 1075.
 Vehicle-brake. W. P. Sims. No. 907,189; Dec. 22; Sp. p. 4010; Gaz. vol. 137; p. 1743.
 Vehicle-brake apparatus. J. W. Taylor. No. 883,061; Mar. 24; Sp. p. 5099; Dr. p. 1088; Gaz. vol. 133; p. 936.
 Vehicle-brake, Automatic. J. Stevens. No. 887,283; May 12; Sp. p. 1912; Dr. p. 405; Gaz. vol. 134; p. 338.
 Vehicle brake, Automatic road-. R. J. Scheidt. No. 882,210; Mar. 17; Sp. p. 3446; Dr. p. 733; Gaz. vol. 133; p. 623.
 Vehicle-brake lever and ratchet. M. Potter. No. 904,148; Nov. 17; Sp. p. 3276; Gaz. vol. 137; p. 594.
 Vehicle-brake mechanism. R. Firth. No. 882,105; Mar. 17; Sp. p. 3251; Dr. p. 691; Gaz. vol. 133; p. 591.
 Vehicle brake mechanism, Self-propelled-. H. Lemp and H. S. Baldwin. No. 890,666; June 16; Sp. p. 2984; Dr. p. 654; Gaz. vol. 134; p. 1596.
 Vehicle brake, Railway and road. J. E. Schumacher. No. 893,660; July 21; Sp. p. 2610; Dr. pp. 544-5; Gaz. vol. 135; p. 479.
 Vehicle canopy-top. J. H. Sprague. No. 886,659; May 5; Sp. p. 632; Dr. p. 131; Gaz. vol. 134; p. 109.
 Vehicle canopy-top. J. E. Smith. No. 896,863; Aug. 25; Sp. p. 4178; Dr. pp. 894-5; Gaz. vol. 135; p. 1645.
 Vehicle cases, Drain-cock for motor-. R. Huff. No. 903,979; Nov. 17; Sp. p. 2933; Gaz. vol. 137; p. 535.
 Vehicle-cleaning device. E. P. Gaylord. No. 895,551; Aug. 11; Sp. p. 1558; Dr. p. 329; Gaz. vol. 135; p. 1175.
 Vehicle-clip. F. E. Wilcox. No. 881,754; Mar. 10; Sp. p. 2508; Dr. p. 540; Gaz. vol. 133; p. 447.
 Vehicle collapsible foot-rest. C. J. Harris. No. 895,632; Aug. 11; Sp. p. 1707; Dr. p. 362; Gaz. vol. 135; p. 1201.
 Vehicle controlling device, Motor-. F. S. Davis. No. 902,944; Nov. 3; Sp. p. 829; Gaz. vol. 137; p. 137.
 Vehicle controlling device, Motor-. W. C. Van Buren. No. 905,607; Dec. 1; Sp. p. 996; Gaz. vol. 137; p. 1143.
 Vehicle controlling mechanism, Motor-. C. H. Humphreys and V. J. Scantlebury. No. 891,072; June 16; Sp. p. 3821; Dr. p. 834; Gaz. vol. 134; p. 1729.
 Vehicle controlling mechanism, Motor-. F. D. Howe. No. 896,298; Aug. 18; Sp. p. 3017; Dr. p. 650; Gaz. vol. 135; p. 1438.
 Vehicle controlling mechanism, Power-driven-. C. W. Willeite. No. 901,508; Oct. 20; Sp. p. 3032; Dr. pp. 619-20; Gaz. vol. 136; p. 1607.
 Vehicle-coupling. M. Turner. No. 882,981; Mar. 24; Sp. p. 4954; Dr. pp. 1053-4; Gaz. vol. 133; p. 911.
 Vehicle-cover. J. H. Brooks. No. 900,350; Oct. 6; Sp. p. 581; Dr. p. 121; Gaz. vol. 136; p. 1164.
 Vehicle-curtains, Removable support for. H. S. Koerner and S. Botteese. No. 886,222; Apr. 28; Sp. p. 5230; Dr. pp. 1101-2; Gaz. vol. 133; p. 2111.
 Vehicle-cushion, Pneumatic. E. A. and C. A. Garvey. No. 894,493; July 28; Sp. p. 4425; Dr. pp. 915-16; Gaz. vol. 135; p. 775.
 Vehicle cushioning device. A. Carpenter and C. C. Kissell. No. 904,837; Nov. 24; Sp. p. 4763; Gaz. vol. 137; p. 853.
 Vehicle-door, Automatic folding. E. D. O'Brien and M. E. O'Connell. No. 879,303; Feb. 18; Sp. p. 2896; Dr. p. 604; Gaz. vol. 132; p. 1384.
 Vehicle drive apparatus, Equalizer-hook for. J. B. Ashenfelter. No. 902,042; Oct. 27; Sp. p. 4140; Dr. p. 838; Gaz. vol. 136; p. 1310.
 Vehicle driving-gear, Motor-road-. P. G. Tacchi. No. 877,613; Jan. 28; Sp. p. 3971; Dr. pp. 857-8; Gaz. vol. 132; p. 731.
 Vehicle driving mechanism, Motor-. J. P. Lavigne. No. 888,405; May 19; Sp. p. 4149; Dr. p. 877; Gaz. vol. 134; p. 736.
 Vehicle driving mechanism, Motor-. W. H. Douglas. No. 891,152; June 16; Sp. p. 3949; Dr. pp. 865-6; Gaz. vol. 134; p. 1752.
 Vehicle driving mechanism, Motor-driven-. H. T. Hansen. No. 902,149; Oct. 27; Sp. p. 4341; Dr. p. 879; Gaz. vol. 136; p. 1844.
 Vehicle driving-wheel, Electrically-propelled-. D. Baichowsky and P. Caire. No. 907,715; Dec. 29; Sp. p. 5132; Gaz. vol. 137; p. 1949.
 Vehicle, Dumping-. J. M. Goodwin. No. 893,159; July 14; Sp. p. 1572; Dr. p. 333; Gaz. vol. 135; p. 286.
 Vehicle dumping bed or body. T. A. and E. L. Faughnan. No. 888,601; May 26; Sp. p. 4571; Dr. p. 969; Gaz. vol. 134; p. 835.
 Vehicle elastic or pneumatic tire, Road-. H. J. Scott. No. 905,239; Dec. 1; Sp. p. 233; Gaz. vol. 137; p. 1023.
 Vehicle, Electrically-driven. W. B. Potter. No. 887,691; May 12; Sp. p. 2743; Dr. p. 550; Gaz. vol. 134; p. 474.
 Vehicle, Electrically-propelled. J. Ledwinka. No. 887,483; May 12; Sp. p. 2359; Dr. pp. 405-6; Gaz. vol. 134; p. 406.
 Vehicle, Electrically-propelled. J. Ledwinka. No. 894,333; July 28; Sp. p. 4101; Dr. p. 847; Gaz. vol. 135; p. 722.
 Vehicle, Electrically-propelled. L. Kriger. No. 896,216; Aug. 18; Sp. p. 2846; Dr. p. 613; Gaz. vol. 135; p. 1411.
 Vehicle emergency-brake, Motor-. A. D. Morgan. No. 876,475; Jan. 14; Sp. p. 1591; Dr. p. 342; Gaz. vol. 132; p. 291.
 Vehicle extension top or canopy. A. L. Bowen. No. 876,768; Jan. 14; Sp. p. 2202; Dr. p. 484; Gaz. vol. 132; p. 390.
 Vehicle-fender. H. A. Suttle. No. 881,973; Mar. 17; Sp. p. 2976; Dr. p. 634; Gaz. vol. 133; p. 548.
 Vehicle-fender. A. L. McGregor. No. 908,025; Dec. 29; Sp. p. 5773; Gaz. vol. 137; p. 2050.
 Vehicle folding seat. A. H. Piper. No. 884,204; Apr. 7; Sp. p. 1115; Dr. p. 233; Gaz. vol. 133; p. 1366.
 Vehicle folding step. C. Black. No. 903,352; Nov. 10; Sp. p. 1628; Gaz. vol. 137; p. 298.
 Vehicle-frame. C. J. Pembroke. No. 301,735; Oct. 20; Sp. p. 3520; Dr. p. 712; Gaz. vol. 136; p. 1682.

Alphabetical list of inventions—Continued.

- Vehicle friction-drive, Motor-. V. Bendix. No. 905,980; Dec. 8; Sp. p. 1713; Gaz. vol. 137; p. 1293.
- Vehicle front and apron, Combined. W. J. Campbell and G. W. Hedrick. No. 891,460; June 23; Sp. p. 4609; Dr. p. 1002; Gaz. vol. 134; p. 1888.
- Vehicle, Front-driven motor-. A. W. Brightmore. No. 885,014; Apr. 21; Sp. p. 2745; Dr. p. 583; Gaz. vol. 133; p. 1690.
- Vehicle-gear. L. E. Hickok. No. 876,546; Jan. 14; Sp. p. 1754; Dr. p. 381; Gaz. vol. 132; p. 318.
- Vehicle-gearing, Motor-. J. C. Bashford. No. 877,479; Jan. 28; Sp. p. 3666; Dr. p. 795; Gaz. vol. 132; p. 686.
- Vehicle-gear. S. N. Birdsall. No. 880,620; Mar. 3; Sp. p. 269; Dr. pp. 56-7; Gaz. vol. 133; p. 47.
- Vehicle-gear. I. Cornwell. No. 903,176; Nov. 10; Sp. p. 1273; Gaz. vol. 137; p. 241.
- Vehicle-gear. J. D. Weekes. No. 904,822; Nov. 24; Sp. p. 4717; Gaz. vol. 137; p. 848.
- Vehicle-gear, Side-spring. C. A. Behlen. No. 883,686; Apr. 7; Sp. p. 6; Dr. p. 2; Gaz. vol. 133; p. 1196.
- Vehicle gearing, Motor-. F. Beemer. No. 894,719; July 28; Sp. p. 4858; Dr. pp. 1010-11; Gaz. vol. 135; p. 848.
- Vehicle gearing, Motor-. R. A. Rose. No. 906,936; Dec. 15; Sp. p. 3515; Gaz. vol. 137; p. 1626.
- Vehicle guard or fender. C. W. M. Guhle. No. 896,104; Aug. 18; Sp. p. 2650; Dr. pp. 571-2; Gaz. vol. 135; p. 1376.
- Vehicle guiding means. L. S. Hackney. No. 899,253; Sept. 22; Sp. p. 4004; Dr. p. 854; Gaz. vol. 136; p. 743.
- Vehicle-headlight. W. Derby. No. 907,225; Dec. 22; Sp. p. 4098; Gaz. vol. 137; p. 1754.
- Vehicle-indicator. L. M. Tingley. No. 904,101; Nov. 17; Sp. p. 3175; Gaz. vol. 137; p. 576.
- Vehicle jack and wrench, Combined. D. C. Lassiter. No. 900,556; Oct. 6; Sp. p. 1045; Dr. p. 214; Gaz. vol. 136; p. 1233.
- Vehicle king-bolt connection. L. E. Hickok. No. 876,548; Jan. 14; Sp. p. 1756; Dr. p. 382; Gaz. vol. 132; p. 318.
- Vehicle-lubricator. G. Barthold, Jr. No. 890,400; June 9; Sp. p. 2432; Dr. p. 537; Gaz. vol. 134; p. 1475.
- Vehicle, Motor-. J. C. Simonson. No. 876,406; Jan. 14; Sp. p. 1442; Dr. p. 310; Gaz. vol. 132; p. 268.
- Vehicle, Motor-. J. W. Waldorf. No. 877,022; Jan. 21; Sp. p. 2758; Dr. p. 597; Gaz. vol. 132; p. 516.
- Vehicle, Motor-. W. G. Windham. No. 877,750; Jan. 28; Sp. p. 4214; Dr. pp. 913-14; Gaz. vol. 132; p. 774.
- Vehicle, Motor-. J. Latzel. No. 878,074; Feb. 4; Sp. p. 370; Dr. p. 77; Gaz. vol. 132; p. 908.
- Vehicle, Motor-. J. Ritchie. No. 880,403; Feb. 25; Sp. p. 5179; Dr. p. 1092; Gaz. vol. 132; p. 1777.
- Vehicle, Motor-. G. G. Schroeder. No. 880,759; Mar. 3; Sp. p. 547; Dr. pp. 114-15; Gaz. vol. 133; p. 94.
- Vehicle, Motor-. C. L. Redfield. No. 880,823; Mar. 3; Sp. p. 677; Dr. pp. 142-3; Gaz. vol. 133; p. 117.
- Vehicle, Motor-. A. Winton. No. 884,117; Apr. 7; Sp. p. 938; Dr. pp. 196-7; Gaz. vol. 133; p. 1338.
- Vehicle, Motor-. G. J. Taylor. No. 885,704; Apr. 21; Sp. p. 4176; Dr. p. 874; Gaz. vol. 133; p. 1911.
- Vehicle, Motor-. W. W. Wainwright. No. 886,098; Apr. 28; Sp. p. 5006; Dr. pp. 1053-4; Gaz. vol. 133; p. 2071.
- Vehicle, Motor-. W. L. Marr. No. 886,528; May 5; Sp. p. 368; Dr. p. 76; Gaz. vol. 134; p. 68.
- Vehicle, Motor-. R. Huff. No. 887,094; May 12; Sp. p. 1512; Dr. p. 320; Gaz. vol. 134; p. 278.
- Vehicle, Motor-. J. and W. A. Phillips. No. 890,173; June 9; Sp. p. 1967; Dr. pp. 433-4; Gaz. vol. 134; p. 1403.
- Vehicle, Motor-. R. Huff. No. 890,654; June 16; Sp. p. 2960; Dr. p. 648; Gaz. vol. 134; p. 1592.
- Vehicle, Motor-. F. J. Mohan. No. 891,357; June 23; Sp. p. 4402; Dr. p. 958; Gaz. vol. 134; p. 1853.
- Vehicle, Motor-. R. Huff. No. 893,502; July 14; Sp. p. 2266; Dr. p. 476; Gaz. vol. 135; p. 397.
- Vehicle, Motor-. R. Ruemelin. No. 894,060; July 21; Sp. p. 3520; Dr. p. 721; Gaz. vol. 135; p. 612.
- Vehicle, Motor-. E. G. Hoffmann. No. 896,208; Aug. 18; Sp. p. 2828; Dr. pp. 609-10; Gaz. vol. 135; p. 1408.
- Vehicle, Motor-. J. C. McCurry. No. 896,314; Aug. 18; Sp. p. 3050; Dr. pp. 656-7; Gaz. vol. 135; p. 1443.
- Vehicle, Motor-. W. Christie. No. 896,624; Aug. 18; Sp. p. 3656; Dr. pp. 785-6; Gaz. vol. 135; p. 1543.
- Vehicle, Motor-. T. L. and T. J. Sturtevant. No. 897,230; Aug. 25; Sp. p. 4964; Dr. p. 1054; Gaz. vol. 135; p. 1765.
- Vehicle, Motor-. T. J. Thorp. No. 898,156; Sept. 8; Sp. p. 1881; Dr. pp. 402-3; Gaz. vol. 136; p. 327.
- Vehicle, Motor-. J. D. Allen and J. A. Conly. No. 901,055; Oct. 13; Sp. p. 2074; Dr. p. 422; Gaz. vol. 136; p. 1422.
- Vehicle, Motor-. A. Przygo. No. 903,884; Nov. 17; Sp. p. 2732; Gaz. vol. 137; p. 504.
- Vehicle, Motor-. W. Y. Donahoe. No. 904,687; Nov. 24; Sp. p. 4418; Gaz. vol. 137; p. 802.
- Vehicle, Motor-. E. Rosenberger. No. 905,462; Dec. 1; Sp. p. 702; Gaz. vol. 137; p. 1097.
- Vehicle, Motor-. B. Brower. No. 907,104; Dec. 15; Sp. p. 3807; Gaz. vol. 137; p. 1678.
- Vehicle motor attachment. J. C. Higdon. No. 893,498; July 14; Sp. p. 2258; Dr. p. 474; Gaz. vol. 135; p. 396.
- Vehicle, Motor-driven. H. B. Molesworth and C. E. Masterman. No. 907,847; Dec. 29; Sp. p. 5389; Gaz. vol. 137; p. 1992.
- Vehicle, Motor road-. F. H. Royce. No. 888,535; May 26; Sp. p. 4409; Dr. p. 935; Gaz. vol. 134; p. 809.
- Vehicle operating device, Motor-. P. A. Darracq. No. 877,762; Jan. 28; Sp. p. 4233; Dr. p. 919; Gaz. vol. 132; p. 778.
- Vehicle or wagon brake. F. A. Grace. No. 880,791; Mar. 3; Sp. p. 610; Dr. p. 129; Gaz. vol. 133; p. 105.
- Vehicle, Power-driven. R. H. Simpson and W. Park. No. 886,082; Apr. 28; Sp. p. 4973; Dr. p. 1046; Gaz. vol. 133; p. 2067.
- Vehicle, Power-driven. C. Elkin. No. 906,123; Dec. 8; Sp. p. 1987; Gaz. vol. 137; p. 1339.
- Vehicle propelling mechanism. C. F. Thayer. No. 875,748; Jan. 7; Sp. p. 137; Dr. p. 30; Gaz. vol. 132; p. 27.
- Vehicle propulsion, Mechanical motor-. J. Weber, Jr. No. 878,582; Feb. 11; Sp. p. 1489; Dr. p. 302; Gaz. vol. 132; p. 1110.
- Vehicle provided with movable rails. F. Koch. No. 878,807; Feb. 11; Sp. p. 1931; Dr. p. 399; Gaz. vol. 132; p. 1183.
- Vehicle-raising jack. J. S. Williams. No. 885,208; Apr. 21; Sp. p. 3188; Dr. p. 666; Gaz. vol. 133; p. 1754.
- Vehicle-reach. F. W. Bleckley. No. 882,615; Mar. 24; Sp. p. 4226; Dr. p. 896; Gaz. vol. 133; p. 791.
- Vehicle-reach. W. M. Bryant. No. 888,584; May 26; Sp. p. 4521; Dr. p. 959; Gaz. vol. 134; p. 828.
- Vehicle-rim. W. J. Nordlund. No. 877,726; Jan. 28; Sp. p. 4167; Dr. p. 903; Gaz. vol. 132; p. 766.
- Vehicle running-gear. J. D. Weekes. No. 876,032; Jan. 7; Sp. p. 671; Dr. p. 144; Gaz. vol. 132; p. 115.
- Vehicle running-gear. J. M. Dick. No. 880,199; Feb. 25; Sp. p. 4768; Dr. p. 1009; Gaz. vol. 132; p. 1709.
- Vehicle running-gear. H. W. Hancock. No. 884,488; Apr. 14; Sp. p. 1660; Dr. p. 357; Gaz. vol. 133; p. 1487.
- Vehicle running-gear. F. R. Owens. No. 888,116; May 19; Sp. p. 3600; Dr. p. 754; Gaz. vol. 134; p. 644.
- Vehicle running-gear. V. Martin. No. 889,251; June 2; Sp. p. 111; Dr. p. 26; Gaz. vol. 134; p. 1077.
- Vehicle running-gear. I. E. Palmer. No. 889,960; June 9; Sp. p. 1523; Dr. pp. 343-4; Gaz. vol. 134; p. 1330.
- Vehicle running-gear. L. B. Hart and C. I. Dupont. No. 894,000; July 21; Sp. p. 3337; Dr. p. 693; Gaz. vol. 135; p. 591.
- Vehicle running-gear. G. M. Phillips. No. 894,980; Aug. 4; Sp. p. 413; Dr. p. 83; Gaz. vol. 135; p. 961.
- Vehicle running-gear. W. H. Chapin. No. 897,270; Sept. 1; Sp. p. 16; Dr. p. 5; Gaz. vol. 136; p. 5.
- Vehicle running-gear. M. W. Heyenga. No. 899,218; Sept. 22; Sp. p. 3904; Dr. p. 834; Gaz. vol. 136; p. 731.
- Vehicle running-gear. V. Zdzarski. No. 899,780; Sept. 29; Sp. p. 5046; Dr. p. 1081; Gaz. vol. 136; p. 949.
- Vehicle running-gear. A. L. Hamilton. No. 899,790; Sept. 29; Sp. p. 5074; Dr. p. 1085; Gaz. vol. 136; p. 953.
- Vehicle running-gear. J. S. Lewis. No. 899,877; Sept. 29; Sp. p. 5249; Dr. p. 1122; Gaz. vol. 136; p. 981.
- Vehicle running-gear, Motor-driven-. R. P. Hicks. No. 880,076; Feb. 25; Sp. p. 4523; Dr. p. 952; Gaz. vol. 132; p. 1668.
- Vehicle running-gear or suspension-frame. R. Herman. No. 880,025; Feb. 25; Sp. p. 4411; Dr. pp. 927-8; Gaz. vol. 132; p. 1652.
- Vehicle running-gears, Reinforced bar for. D. P. Cooper. No. 878,939; Feb. 11; Sp. p. 2179; Dr. p. 455; Gaz. vol. 132; p. 1225.
- Vehicle safety-reflector. R. K. McLean and W. K. Gibson. No. 899,698; Sept. 29; Sp. p. 4853; Dr. p. 1040; Gaz. vol. 136; p. 920.
- Vehicle sanding apparatus. J. Taylor. No. 902,626; Nov. 3; Sp. p. 187; Gaz. vol. 137; p. 32.
- Vehicle-seat. C. F. Barndt and W. J. Miller. No. 888,778; May 26; Sp. p. 4934; Dr. p. 1051; Gaz. vol. 134; p. 891.
- Vehicle-seat. H. C. Martell. No. 899,748; Sept. 29; Sp. p. 4968; Dr. p. 1065; Gaz. vol. 136; p. 938.
- Vehicle-seat. W. Meredith. No. 906,442; Dec. 8; Sp. p. 2581; Gaz. vol. 137; p. 1444.
- Vehicle-seat, Auxiliary. H. A. Schermerhorn. No. 887,967; May 19; Sp. p. 3310; Dr. p. 696; Gaz. vol. 134; p. 596.
- Vehicle-seat back, Detachable. H. Egner. No. 907,325; Dec. 22; Sp. p. 4289; Gaz. vol. 137; p. 1790.
- Vehicle-seat, Removable. J. M. Dixon and J. F. Barwick. No. 896,278; Aug. 18; Sp. p. 2963; Dr. p. 638; Gaz. vol. 135; p. 1432.
- Vehicle, Self-propelled. C. B. Hatfield. No. 889,679; June 2; Sp. p. 967; Dr. p. 223; Gaz. vol. 134; p. 1214.
- Vehicle, Self-propelled. J. Wilkinson. No. 889,839; June 2; Sp. p. 1258; Dr. pp. 290-1; Gaz. vol. 134; p. 1264.
- Vehicle, Self-propelled. J. Vollmer. No. 904,028; Nov. 17; Sp. p. 3026; Gaz. vol. 137; p. 552.
- Vehicle, Self-propelled. C. Richter. No. 904,998; Nov. 24; Sp. p. 5077; Gaz. vol. 137; p. 905.
- Vehicle-shaft. O. Geertsma. No. 879,456; Feb. 18; Sp. p. 3223; Dr. p. 670; Gaz. vol. 132; p. 1433.
- Vehicle shafts and tongues, Antirattler for. S. M. Dorris. No. 881,309; Mar. 10; Sp. p. 1638; Dr. p. 350; Gaz. vol. 133; p. 305.
- Vehicle shock-absorber. W. C. Williamson. No. 884,967; Apr. 14; Sp. p. 2655; Dr. p. 565; Gaz. vol. 133; p. 1642.
- Vehicle shock-absorber. J. J. Jennings. No. 892,161; June 30; Sp. p. 6040; Dr. p. 1299; Gaz. vol. 134; p. 2150.
- Vehicle shock-absorber. E. A. and C. A. Garvey. No. 894,431; July 28; Sp. p. 4308; Dr. p. 888; Gaz. vol. 135; p. 755.
- Vehicle shock-absorber. C. K. Foster. No. 898,043; Sept. 8; Sp. p. 1667; Dr. p. 354; Gaz. vol. 136; p. 292.
- Vehicle shock-absorber. E. E. Lantz. No. 906,241; Dec. 8; Sp. p. 2218; Gaz. vol. 137; p. 1380.
- Vehicle shock-absorber. L. Renault. No. 907,644; Dec. 22; Sp. p. 4968; Gaz. vol. 137; p. 1895.
- Vehicle shock-absorber, Self-propelled-. C. B. Hatfield. No. 889,678; June 2; Sp. p. 965; Dr. p. 222; Gaz. vol. 134; p. 1214.
- Vehicle shock-absorbing apparatus. R. M. Lovejoy. No. 886,617; May 5; Sp. p. 539; Dr. p. 115; Gaz. vol. 134; p. 96.
- Vehicle shock-absorbing device. L. C. Welch. No. 880,257; Feb. 25; Sp. p. 4888; Dr. p. 1033; Gaz. vol. 132; p. 1729.
- Vehicle shock-deadener. G. Dumond. No. 876,154; Jan. 7; Sp. p. 914; Dr. p. 197; Gaz. vol. 132; p. 155.
- Vehicle shock-weakening device. H. Sans. No. 886,643; May 5; Sp. p. 593; Dr. pp. 123-4; Gaz. vol. 134; p. 104.
- Vehicle speed-controlling and reversing apparatus, Motor-. H. T. Coldwell. No. 902,558; Nov. 3; Sp. p. 47; Gaz. vol. 137; p. 9.
- Vehicle speed-controlling and reversing apparatus, Motor-. H. T. Coldwell. No. 902,560; Nov. 3; Sp. p. 56; Gaz. vol. 137; p. 10.

Alphabetical list of inventions—Continued.

- Vehicle speed-governing device, Motor-. R. Huff. No. 906,884; Dec. 15; Sp. p. 3420; Gaz. vol. 137; p. 1609.
 Vehicle-speed signal. G. L. Cooper. No. 895,434; Aug. 11; Sp. p. 1318; Dr. pp. 277-8; Gaz. vol. 135; p. 1137.
 Vehicle-spindle. T. T. Thompson. No. 894,242; July 28; Sp. p. 3901; Dr. p. 806; Gaz. vol. 135; p. 691.
 Vehicle-spring. C. A. Meredith. No. 878,081; Feb. 4; Sp. p. 384; Dr. p. 80; Gaz. vol. 132; p. 910.
 Vehicle-spring. G. Schwarz. No. 878,316; Feb. 4; Sp. p. 864; Dr. p. 172; Gaz. vol. 132; p. 987.
 Vehicle-spring. R. H. Stevens and T. Hall. No. 878,429; Feb. 4; Sp. p. 1072; Dr. pp. 217-18; Gaz. vol. 132; p. 1025.
 Vehicle-spring. L. C. Haynes. No. 880,884; Mar. 3; Sp. p. 820; Dr. p. 174; Gaz. vol. 133; p. 137.
 Vehicle-spring. J. S. Clark. No. 881,773; Mar. 10; Sp. p. 2534; Dr. p. 546; Gaz. vol. 133; p. 452.
 Vehicle-spring. W. H. Smith and J. H. Klassen. No. 883,356; Mar. 31; Sp. p. 5711; Dr. p. 1218; Gaz. vol. 133; p. 1062.
 Vehicle-spring. F. R. Skidmore. No. 886,429; May 5; Sp. p. 176; Dr. p. 38; Gaz. vol. 134; p. 34.
 Vehicle-spring. A. Fortner. No. 886,967; May 5; Sp. p. 1253; Dr. p. 265; Gaz. vol. 134; p. 207.
 Vehicle-spring. M. M. McIntyre. No. 888,347; May 19; Sp. p. 4028; Dr. p. 849; Gaz. vol. 134; p. 717.
 Vehicle-spring. N. Hee. No. 891,168; June 16; Sp. p. 3989; Dr. p. 876; Gaz. vol. 134; p. 1758.
 Vehicle-spring. F. G. Fletcher and J. L. Register. No. 892,041; June 30; Sp. p. 5809; Dr. p. 1249; Gaz. vol. 134; p. 2111.
 Vehicle-spring. G. Koch. No. 892,595; July 7; Sp. p. 387; Dr. p. 85; Gaz. vol. 135; p. 71.
 Vehicle-spring. J. G. Nolen and J. Shepherd. No. 899,837; Sept. 29; Sp. p. 5156; Dr. p. 1104; Gaz. vol. 136; p. 967.
 Vehicle-spring. W. W. Blair. No. 905,981; Dec. 8; Sp. p. 1717; Gaz. vol. 137; p. 1294.
 Vehicle-spring check. H. Cottrell. No. 875,693; Jan. 7; Sp. p. 29; Dr. p. 6; Gaz. vol. 132; p. 7.
 Vehicle-spring, Pneumatic. T. G. Wilkinson. No. 898,712; Sept. 15; Sp. p. 2955; Dr. p. 634; Gaz. vol. 136; p. 538.
 Vehicle-spring shock-absorbing mechanism. W. P. Kidder. No. 900,388; Oct. 6; Sp. p. 667; Dr. p. 137; Gaz. vol. 136; p. 1177.
 Vehicle-spring structure and frame. H. T. Tillotson. No. 900,234; Oct. 6; Sp. p. 329; Dr. pp. 68-9; Gaz. vol. 136; p. 1127.
 Vehicle-spring-wheel. W. H. Scrymgeour. No. 899,332; Sept. 22; Sp. p. 4130; Dr. p. 884; Gaz. vol. 136; p. 766.
 Vehicle-springs. Brace for supplementary. W. Young. No. 901,767; Oct. 20; Sp. p. 3578; Dr. p. 724; Gaz. vol. 136; p. 1692.
 Vehicle-springs. Emergency repair device for. D. P. Power. No. 902,250; Oct. 27; Sp. p. 4554; Dr. p. 925; Gaz. vol. 136; p. 1875.
 Vehicle-springs. Steadying device for supplementary. W. Young. No. 901,578; Oct. 20; Sp. p. 3167; Dr. pp. 645-6; Gaz. vol. 136; p. 1629.
 Vehicle-standard. F. W. Bleckley. No. 883,689; Apr. 7; Sp. p. 12; Dr. p. 3; Gaz. vol. 133; p. 1197.
 Vehicle steadying device. E. A. Sperry. No. 907,907; Dec. 29; Sp. p. 5519; Gaz. vol. 137; p. 2011.
 Vehicle steering device. G. H. Young. No. 883,371; Mar. 31; Sp. p. 5747; Dr. p. 1227; Gaz. vol. 133; p. 1067.
 Vehicle steering device. E. J. Vraalstad. No. 890,473; June 9; Sp. p. 2563; Dr. p. 568; Gaz. vol. 134; p. 1498.
 Vehicle steering device, Motor-. J. S. Clarke. No. 907,105; Dec. 15; Sp. p. 3808; Gaz. vol. 137; p. 1678.
 Vehicle steering-gear. D. E. Ross. No. 879,414; Feb. 18; Sp. p. 3127; Dr. p. 651; Gaz. vol. 132; p. 1420.
 Vehicle steering-gear, Motor-. C. O. Barnes. No. 903,349; Nov. 10; Sp. p. 1624; Gaz. vol. 137; p. 297.
 Vehicle steering-knuckle. J. C. Bashford. No. 904,296; Nov. 17; Sp. p. 3623; Gaz. vol. 137; p. 645.
 Vehicle steering mechanism. W. McGlashan. No. 884,193; Apr. 7; Sp. p. 1095; Dr. p. 229; Gaz. vol. 133; p. 1362.
 Vehicle steering mechanism, Motor-. A. Paré. No. 904,146; Nov. 17; Sp. p. 3274; Gaz. vol. 137; p. 593.
 Vehicle steering mechanism, Motor-. G. G. Porter. No. 904,225; Nov. 17; Sp. p. 3460; Gaz. vol. 137; p. 621.
 Vehicle steering mechanism, Self-propelled-. C. B. Hatfield. No. 901,898; Oct. 20; Sp. p. 3817; Dr. p. 777; Gaz. vol. 136; p. 1733.
 Vehicle stopping device, Automatic. B. de Halm. No. 893,489; July 14; Sp. p. 2240; Dr. p. 469; Gaz. vol. 135; p. 393.
 Vehicle storm-front. D. Argerbright. No. 876,288; Jan. 7; Sp. p. 1182; Dr. p. 257; Gaz. vol. 132; p. 199.
 Vehicle storm-front. A. K. Felton. No. 879,093; Feb. 11; Sp. p. 2469; Dr. p. 515; Gaz. vol. 132; p. 1272.
 Vehicle storm-top. T. A. Welshans. No. 888,948; May 26; Sp. p. 5306; Dr. p. 1125; Gaz. vol. 134; p. 948.
 Vehicle support, Monotrack-. R. Scherl. No. 897,558; Sept. 1; Sp. p. 655; Dr. p. 137; Gaz. vol. 136; p. 102.
 Vehicle suspension. R. G. Handy. No. 885,845; Apr. 28; Sp. p. 4484; Dr. p. 941; Gaz. vol. 133; p. 1989.
 Vehicle suspension system. C. W. Larson. No. 907,822; Dec. 29; Sp. p. 5346; Gaz. vol. 137; p. 1985.
 Vehicle-switch. G. C. Wimpee. No. 878,587; Feb. 11; Sp. p. 1504; Dr. p. 305; Gaz. vol. 132; p. 1112.
 Vehicle-tire. J. D. Sower. No. 907,191; Dec. 22; Sp. p. 4021; Gaz. vol. 137; p. 1743.
 Vehicle to a frame, Means for flexibly connecting parts of a. E. J. Gulick. No. 876,272; Jan. 7; Sp. p. 1147; Dr. p. 249; Gaz. vol. 132; p. 193.
 Vehicle-tongue lock. W. N. Goodwin. No. 906,525; Dec. 15; Sp. p. 2741; Gaz. vol. 137; p. 1497.
 Vehicle-top. J. Rogers. No. 880,574; Mar. 3; Sp. p. 177; Dr. p. 38; Gaz. vol. 133; p. 32.
 Vehicle-top. O. E. and H. L. Burg. No. 882,232; Mar. 17; Sp. p. 3495; Dr. p. 742; Gaz. vol. 133; p. 630.
 Vehicle-top. B. H. Scheper. No. 882,914; Mar. 24; Sp. p. 4827; Dr. p. 1025; Gaz. vol. 133; p. 888.
 Vehicle-top bows apart, Clamp for spacing. F. L. Paxson. No. 896,317; Aug. 18; Sp. p. 3060; Dr. p. 659; Gaz. vol. 135; p. 1444.
 Vehicle-top support. L. L. Allen. No. 891,321; June 23; Sp. p. 4327; Dr. p. 944; Gaz. vol. 134; p. 1842.
 Vehicle-top support. W. N. Hurt. No. 899,669; Sept. 29; Sp. p. 4799; Dr. p. 1027; Gaz. vol. 136; p. 911.
 Vehicle-tops, Curtain-operating means for. J. H. Tickerhoof. No. 879,218; Feb. 18; Sp. p. 2722; Dr. p. 568; Gaz. vol. 132; p. 1355.
 Vehicle, Toy. J. M. Thompson. No. 906,955; Dec. 8; Sp. p. 1653; Gaz. vol. 137; p. 1285.
 Vehicle, Toy. W. H. Fahrney. No. 908,229; Dec. 29; Sp. p. 6225; Gaz. vol. 137; p. 2120.
 Vehicle, Traction-. R. E. Zager. No. 880,953; Mar. 3; Sp. p. 938; Dr. pp. 202-3; Gaz. vol. 133; p. 158.
 Vehicle, Traction-. C. W. Coleman. No. 907,462; Dec. 22; Sp. p. 4572; Gaz. vol. 137; p. 1837.
 Vehicle traction-wheel and runner. W. N. Britton. No. 905,405; Dec. 1; Sp. p. 551; Gaz. vol. 137; p. 1078.
 Vehicle, Tram-car or other like. J. E. Anger. No. 906,362; Dec. 8; Sp. p. 2442; Gaz. vol. 137; p. 1419.
 Vehicle transmission-gear, Motor-. H. T. Hansen. No. 904,868; Nov. 24; Sp. p. 4828; Gaz. vol. 137; p. 863.
 Vehicle transmission-gearing, Motor-. K. Probst. No. 905,226; Dec. 1; Sp. p. 213; Gaz. vol. 137; p. 1019.
 Vehicle truck, Railway and tramway. E. Peckham. No. 905,354; Dec. 1; Sp. p. 452; Gaz. vol. 137; p. 1059.
 Vehicle trucks, Suspension of railway and tramway. E. Peckham. No. 904,720; Nov. 24; Sp. p. 4492; Gaz. vol. 137; p. 813.
 Vehicle-washer. L. E. Rhodes. No. 892,448; July 7; Sp. p. 116; Dr. p. 26; Gaz. vol. 135; p. 23.
 Vehicle-wheel. I. L. Goodrich. No. 876,168; Jan. 7; Sp. p. 940; Dr. p. 202; Gaz. vol. 132; p. 159.
 Vehicle-wheel. J. H. Morris. No. 876,214; Jan. 7; Sp. p. 1027; Dr. p. 222; Gaz. vol. 132; p. 174.
 Vehicle-wheel. W. E. Schneider. No. 878,158; Feb. 4; Sp. p. 521; Dr. p. 112; Gaz. vol. 132; p. 935.
 Vehicle-wheel. G. W. T. Akehurst. No. 878,266; Feb. 4; Sp. p. 769; Dr. p. 154; Gaz. vol. 132; p. 972.
 Vehicle-wheel. P. W. Waltz. No. 878,440; Feb. 4; Sp. p. 1089; Dr. p. 222; Gaz. vol. 132; p. 1028.
 Vehicle-wheel. T. W. Rieder. No. 878,564; Feb. 11; Sp. p. 1438; Dr. p. 293; Gaz. vol. 132; p. 1104.
 Vehicle-wheel. N. Dryden. No. 878,713; Feb. 11; Sp. p. 1749; Dr. p. 361; Gaz. vol. 132; p. 1154.
 Vehicle-wheel. A. Sullivan. No. 878,754; Feb. 11; Sp. p. 1819; Dr. pp. 376-7; Gaz. vol. 132; p. 1166.
 Vehicle-wheel. N. A. Newton. No. 879,301; Feb. 18; Sp. p. 2893; Dr. p. 603; Gaz. vol. 132; p. 1383.
 Vehicle-wheel. M. L. Porter. No. 880,915; Mar. 3; Sp. p. 875; Dr. p. 188; Gaz. vol. 133; p. 147.
 Vehicle-wheel. G. Jones. No. 881,693; Mar. 10; Sp. p. 2379; Dr. pp. 515-16; Gaz. vol. 133; p. 427.
 Vehicle-wheel. O. M. Fraley. No. 883,947; Apr. 7; Sp. p. 558; Dr. p. 111; Gaz. vol. 133; p. 1282.
 Vehicle-wheel. J. B. McDonald. No. 884,840; Apr. 14; Sp. p. 2425; Dr. p. 509; Gaz. vol. 133; p. 1604.
 Vehicle-wheel. M. L. Williams. No. 887,562; May 12; Sp. p. 2513; Dr. p. 529; Gaz. vol. 134; p. 433.
 Vehicle-wheel. J. Luppino. No. 891,429; June 23; Sp. p. 4553; Dr. p. 990; Gaz. vol. 134; p. 1577.
 Vehicle-wheel. L. W. Bryant. No. 891,522; June 23; Sp. p. 4745; Dr. p. 1028; Gaz. vol. 134; p. 1908.
 Vehicle-wheel. T. A. Baker. No. 891,655; June 23; Sp. p. 5030; Dr. p. 1083; Gaz. vol. 134; p. 1952.
 Vehicle-wheel. J. McIntyre. No. 892,291; June 30; Sp. p. 6290; Dr. p. 1354; Gaz. vol. 134; p. 2194.
 Vehicle-wheel. J. Nicholson. No. 892,294; June 30; Sp. p. 6295; Dr. p. 1355; Gaz. vol. 134; p. 2194.
 Vehicle-wheel. U. P. Smith. No. 893,270; July 14; Sp. p. 1785; Dr. p. 375; Gaz. vol. 135; p. 322.
 Vehicle-wheel. E. Fishburn. No. 893,715; July 21; Sp. p. 2703; Dr. p. 567; Gaz. vol. 135; p. 496.
 Vehicle-wheel. H. M. Martin. No. 894,276; July 28; Sp. p. 3988; Dr. p. 822; Gaz. vol. 135; p. 703.
 Vehicle-wheel. G. H. Gruss. No. 894,776; July 28; Sp. p. 4956; Dr. p. 1034; Gaz. vol. 135; p. 866.
 Vehicle-wheel. N. Schenk. No. 895,111; Aug. 4; Sp. p. 679; Dr. p. 142; Gaz. vol. 135; p. 1006.
 Vehicle-wheel. G. G. Tranroy. No. 895,127; Aug. 4; Sp. p. 704; Dr. p. 147; Gaz. vol. 135; p. 1011.
 Vehicle-wheel. A. Graff. No. 895,554; Aug. 11; Sp. p. 1565; Dr. p. 330; Gaz. vol. 135; p. 1176.
 Vehicle-wheel. J. B. Hembrée. No. 895,561; Aug. 11; Sp. p. 1579; Dr. p. 334; Gaz. vol. 135; p. 1179.
 Vehicle-wheel. A. Schultz. No. 895,802; Aug. 11; Sp. p. 2062; Dr. p. 437; Gaz. vol. 135; p. 1256.
 Vehicle-wheel. L. H. Barry. No. 895,941; Aug. 11; Sp. p. 2319; Dr. pp. 496-7; Gaz. vol. 135; p. 1300.
 Vehicle-wheel. J. De Vere and J. Whitehead. No. 896,329; Aug. 18; Sp. p. 3666; Dr. p. 787; Gaz. vol. 135; p. 1544.
 Vehicle-wheel. H. Cramer. No. 896,897; Aug. 25; Sp. p. 4247; Dr. p. 908; Gaz. vol. 135; p. 1656.
 Vehicle-wheel. I. Snell. No. 898,280; Sept. 8; Sp. p. 2113; Dr. p. 449; Gaz. vol. 136; p. 366.
 Vehicle-wheel. H. Clifford. No. 898,436; Sept. 15; Sp. p. 2421; Dr. p. 518; Gaz. vol. 136; p. 450.
 Vehicle-wheel. C. Seewald. No. 898,608; Sept. 15; Sp. p. 2753; Dr. pp. 588-9; Gaz. vol. 136; p. 505.
 Vehicle-wheel. W. H. Scrymgeour. No. 899,331; Sept. 22; Sp. p. 4129; Dr. p. 883; Gaz. vol. 136; p. 766.

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- Vehicle-wheel. I. C. Scudder. No. 899,333; Sept. 22; Sp. p. 4132; Dr. p. 884; Gaz. vol. 136; p. 767.
 Vehicle-wheel. W. D. McNaull. No. 899,699; Sept. 29; Sp. p. 4854; Dr. p. 1040; Gaz. vol. 136; p. 920.
 Vehicle-wheel. H. Cramer. No. 900,264; Oct. 6; Sp. p. 414; Dr. p. 84; Gaz. vol. 136; p. 1136.
 Vehicle-wheel. G. Sommers. No. 900,891; Oct. 13; Sp. p. 1748; Dr. pp. 353-4; Gaz. vol. 136; p. 1368.
 Vehicle-wheel. A. A. Daugherty. No. 902,383; Oct. 27; Sp. p. 4839; Dr. p. 978; Gaz. vol. 136; p. 1920.
 Vehicle-wheel. M. L. Williams. No. 903,256; Nov. 10; Sp. p. 1450; Gaz. vol. 137; p. 267.
 Vehicle-wheel. L. J. Crawford. No. 903,681; Nov. 10; Sp. p. 2307; Gaz. vol. 137; p. 405.
 Vehicle-wheel. G. H. Groth. No. 903,708; Nov. 10; Sp. p. 2349; Gaz. vol. 137; p. 413.
 Vehicle-wheel. T. A. Silverwood. No. 904,023; Nov. 17; Sp. p. 3020; Gaz. vol. 137; p. 550.
 Vehicle-wheel. M. Joachimi, Sr. No. 904,876; Nov. 24; Sp. p. 4844; Gaz. vol. 137; p. 865.
 Vehicle-wheel. J. B. Barnes. No. 905,832; Dec. 8; Sp. p. 1429; Gaz. vol. 137; p. 1247.
 Vehicle-wheel. T. J. Furphy, Jr. No. 905,866; Dec. 8; Sp. p. 1494; Gaz. vol. 137; p. 1258.
 Vehicle-wheel. W. Q. Kennedy. No. 905,884; Dec. 8; Sp. p. 1524; Gaz. vol. 137; p. 1264.
 Vehicle-wheel. H. M. Specht. No. 907,906; Dec. 29; Sp. p. 5517; Gaz. vol. 137; p. 2011.
 Vehicle-wheel. T. Newman and I. M. Davidson. No. 908,026; Dec. 29; Sp. p. 5774; Gaz. vol. 137; p. 2050.
 Vehicle-wheel and tire therefor. V. H. McDowell. No. 875,726; Jan. 7; Sp. p. 91; Dr. p. 19; Gaz. vol. 132; p. 20.
 Vehicle-wheel cushion-tire. G. O. Malsby. No. 905,730; Dec. 1; Sp. p. 1224; Gaz. vol. 137; p. 1181.
 Vehicle-wheel, Flexible metallic. G. Aublerin. No. 887,567; May 12; Sp. p. 2522; Dr. p. 531; Gaz. vol. 134; p. 434.
 Vehicle-wheel hub. J. F. Bastel and J. F. Baumgartner. No. 904,112; Nov. 17; Sp. p. 3194; Gaz. vol. 137; p. 580.
 Vehicle-wheel hub. C. L. Elliott. No. 905,673; Dec. 1; Sp. p. 1107; Gaz. vol. 137; p. 1163.
 Vehicle wheel, Motor-. G. D. Ross. No. 877,233; Jan. 21; Sp. p. 3199; Dr. p. 603; Gaz. vol. 132; p. 588.
 Vehicle wheel, Motor-. H. H. Boyce. No. 892,395; July 7; Sp. p. 15; Dr. p. 5; Gaz. vol. 135; p. 5.
 Vehicle wheel, Motor-. J. V. Pugh. No. 903,608; Nov. 10; Sp. p. 2156; Gaz. vol. 137; p. 383.
 Vehicle wheel, Motor-. A. L. McMurtry. No. 904,143; Nov. 17; Sp. p. 3267; Gaz. vol. 137; p. 592.
 Vehicle wheel, Motor-. W. H. McDowell. No. 907,268; Dec. 22; Sp. p. 4192; Gaz. vol. 137; p. 1771.
 Vehicle-wheel, Pneumatic. B. J. Macaulay and J. A. F. Hall. No. 890,671; June 16; Sp. p. 2993; Dr. p. 657; Gaz. vol. 134; p. 1597.
 Vehicle-wheel, Resilient. C. A. Conroe. No. 892,135; June 30; Sp. p. 5982; Dr. p. 1286; Gaz. vol. 134; p. 2141.
 Vehicle-wheel rim. E. C. Shaw. No. 906,167; Dec. 8; Sp. p. 2070; Gaz. vol. 137; p. 1354.
 Vehicle wheel, Road-. J. Stee. No. 882,718; Mar. 24; Sp. p. 4427; Dr. p. 940; Gaz. vol. 133; p. 824.
 Vehicle wheel, Road-. J. Stee. No. 894,750; July 28; Sp. p. 4913; Dr. p. 1023; Gaz. vol. 135; p. 857.
 Vehicle-wheel, Shock-absorbing. H. R. Kumlir. No. 882,697; Mar. 24; Sp. p. 4380; Dr. p. 932; Gaz. vol. 133; p. 818.
 Vehicle-wheel tire. E. Kempshall. No. 906,804; Dec. 15; Sp. p. 3261; Gaz. vol. 137; p. 1554.
 Vehicle wheels, Antiskidding tread for motor-. W. A. F. McCallum. No. 906,054; Dec. 8; Sp. p. 1844; Gaz. vol. 137; p. 1317.
 Vehicle wind-shield. W. N. Beecher. No. 902,199; Oct. 27; Sp. p. 4449; Dr. p. 900; Gaz. vol. 136; p. 1860.
 Vehicle with automatic movement of rails. T. Poljakoff-Kowtunoff. No. 892,681; July 7; Sp. p. 563; Dr. pp. 118-19; Gaz. vol. 135; p. 99.
 Vehicle with limited variations in intensity, Self-regulating electrically-propelled. L. Krieger. No. 905,713; Dec. 1; Sp. p. 1183; Gaz. vol. 137; p. 1176.
 Vehicles, Adjustable strap-securing clip for. F. L. Smith. No. 878,568; Feb. 11; Sp. p. 1445; Dr. p. 295; Gaz. vol. 132; p. 1105.
 Vehicles, Air-compressor mechanism for self-propelled. E. E. Hampton and C. G. Smith. No. 877,924; Feb. 4; Sp. p. 60; Dr. p. 12; Gaz. vol. 132; p. 859.
 Vehicles, Apparatus for cooling the brakes of motor road-. J. Caillet. No. 878,454; Feb. 4; Sp. p. 1120; Dr. p. 229; Gaz. vol. 132; p. 1033.
 Vehicles, Apparatus for discharging packages from moving. J. Rowbotham. No. 897,412; Sept. 1; Sp. p. 357; Dr. p. 75; Gaz. vol. 136; p. 55.
 Vehicles, Awning and dust-screen for. H. S. Samuel. No. 890,875; June 16; Sp. p. 3409; Dr. p. 747; Gaz. vol. 134; p. 1663.
 Vehicles, cabs, cars, and the like, Apparatus for recording numbers of. C. Wille. No. 893,686; July 21; Sp. p. 2652; Dr. p. 556; Gaz. vol. 135; p. 487.
 Vehicles, Changing batteries in electrically-propelled. A. J. Doty. No. 900,359; Oct. 6; Sp. p. 595; Dr. p. 123; Gaz. vol. 136; p. 1166.
 Vehicles, Combined power-transmission and automatic braking mechanism for motor-driven. T. W. Heermans. No. 877,714; Jan. 28; Sp. p. 4147; Dr. pp. 898-9; Gaz. vol. 132; p. 762.
 Vehicles, Combined whip, rein, and lap-robe lock for. O. W. Wilde. No. 877,623; Jan. 28; Sp. p. 3986; Dr. p. 861; Gaz. vol. 132; p. 734.
 Vehicles, Conducting-conduit for. F. M. Brinckerhoff. No. 880,477; Feb. 25; Sp. p. 5339; Dr. pp. 1125-6; Gaz. vol. 132; p. 1803.
 Vehicles, Device for detaching horses from-. R. E. Lawrence. No. 906,436; Dec. 8; Sp. p. 2571; Gaz. vol. 137; p. 1442.
 Vehicles, Device for lubricating the wheels of. T. C. Wild. No. 879,228; Feb. 18; Sp. p. 2737; Dr. p. 571; Gaz. vol. 132; p. 1358.
 Vehicles, Device for transferring boxes from and to. I. Lester. No. 892,437; July 7; Sp. p. 90; Dr. p. 20; Gaz. vol. 135; p. 19.
 Vehicles, Differential gear for motor-. C. J. Pittman. No. 901,826; Oct. 20; Sp. p. 3691; Dr. p. 749; Gaz. vol. 136; p. 1710.
 Vehicles, Dust-collector for motor-. E. H. Morgan. No. 891,714; June 23; Sp. p. 5144; Dr. p. 1112; Gaz. vol. 134; p. 1971.
 Vehicles, Dust-shield for self-moving road-. J. C. B. Ingleby. No. 877,083; Jan. 21; Sp. p. 2871; Dr. p. 620; Gaz. vol. 132; p. 535.
 Vehicles, Electric suspension for. C. L. Le Duc and L. Garchey. No. 895,245; Aug. 4; Sp. p. 957; Dr. p. 200-1; Gaz. vol. 135; p. 1052.
 Vehicles, Equalized oscillating gear for road-. L. H. Campbell. No. 891,206; June 16; Sp. p. 4071; Dr. pp. 893-5; Gaz. vol. 134; p. 1771.
 Vehicles, Flue construction for self-propelled. H. Lemp. No. 876,980; Jan. 21; Sp. p. 2653; Dr. pp. 576-7; Gaz. vol. 132; p. 500.
 Vehicles, Foot-rest for. L. A. Jones. No. 879,646; Feb. 18; Sp. p. 3620; Dr. p. 757; Gaz. vol. 132; p. 1494.
 Vehicles, Foot-rest or guard for. L. W. Grout. No. 880,730; Mar. 3; Sp. p. 477; Dr. p. 101; Gaz. vol. 133; p. 84.
 Vehicles, Friction transmission mechanism for power-driven. J. H. Cook. No. 879,367; Feb. 18; Sp. p. 3008; Dr. p. 629; Gaz. vol. 132; p. 1404.
 Vehicles from dust, Apparatus for shielding. C. P. Barby. No. 887,908; May 19; Sp. p. 3204; Dr. p. 673; Gaz. vol. 134; p. 577.
 Vehicles, Fuel-burning apparatus for motor-. G. E. Whitney. No. 892,599; July 7; Sp. p. 331; Dr. pp. 73-4; Gaz. vol. 135; p. 63.
 Vehicles, Means for preventing side slip of motor-. T. B. Heathorn. No. 880,212; Feb. 25; Sp. p. 4794; Dr. p. 1015; Gaz. vol. 132; p. 1714.
 Vehicles, Means for regulating the temperature in. T. C. X. A. Berget. No. 892,117; June 30; Sp. p. 5941; Dr. p. 1280; Gaz. vol. 134; p. 2135.
 Vehicles, Means for supplying and controlling electric current to motor-. A. Palmros. No. 895,785; Aug. 11; Sp. p. 2031; Dr. pp. 430-3; Gaz. vol. 135; p. 1251.
 Vehicles, Mounting of road-wheels for. C. W. Fulton. No. 879,160; Feb. 18; Sp. p. 2617; Dr. pp. 544-5; Gaz. vol. 132; p. 1337.
 Vehicles, Mud-wing for motor-. G. Frentzen. No. 883,710; Apr. 7; Sp. p. 69; Dr. p. 10; Gaz. vol. 133; p. 1203.
 Vehicles, Obstacle-removing device for. T. Loveless and W. J. Samways. No. 901,114; Oct. 13; Sp. p. 2188; Dr. p. 445; Gaz. vol. 136; p. 1440.
 Vehicles, Odometer mounting and lock for. A. J. Smith. No. 887,279; May 12; Sp. p. 1901; Dr. p. 403; Gaz. vol. 134; p. 337.
 Vehicles, Radiator-fan for motor-. R. Huff. No. 891,697; June 23; Sp. p. 5117; Dr. p. 1103; Gaz. vol. 134; p. 1966.
 Vehicles, Radiator or cooler for motor road-. F. J. D. Hüllinghorst. No. 884,929; Apr. 14; Sp. p. 2579; Dr. p. 543; Gaz. vol. 133; p. 1630.
 Vehicles, Removable sleigh-runner for. H. H. Walsh. No. 878,259; Feb. 4; Sp. p. 749; Dr. p. 151; Gaz. vol. 132; p. 969.
 Vehicles, Safety device for occupants of. R. Radtke. No. 894,052; July 21; Sp. p. 3508; Dr. p. 718; Gaz. vol. 135; p. 610.
 Vehicles, Sleigh-runner for. S. J. Jennings. No. 898,743; Sept. 15; Sp. p. 3013; Dr. p. 645; Gaz. vol. 136; p. 548.
 Vehicles, Speed-controlling mechanism for motor-. G. W. Dunham. No. 878,786; Feb. 11; Sp. p. 1891; Dr. p. 389; Gaz. vol. 132; p. 1177.
 Vehicles, Spring-wheel for road-. F. Wicks. No. 889,077; May 26; Sp. p. 5524; Dr. pp. 1174-5; Gaz. vol. 134; p. 988.
 Vehicles, Stalk-cutting attachment for. R. B. Human. No. 887,641; May 12; Sp. p. 2662; Dr. p. 562; Gaz. vol. 134; p. 458.
 Vehicles, Steering of coupled. R. Jonas. No. 902,821; Nov. 3; Sp. p. 570; Gaz. vol. 137; p. 97.
 Vehicles, Steering-wheel gear for road-. L. H. Campbell. No. 891,205; June 16; Sp. p. 4069; Dr. pp. 892-3; Gaz. vol. 134; p. 1770.
 Vehicles, Strain-distributing device for. J. Worthington. No. 879,349; Feb. 18; Sp. p. 2968; Dr. p. 620; Gaz. vol. 132; p. 1398.
 Vehicles, Taxameter or fare-indicator for hired. P. Richert. No. 907,404; Dec. 22; Sp. p. 4434; Gaz. vol. 137; p. 1816.
 Vehicles, Transmission mechanism for motor-. C. M. Leech. No. 901,180; Oct. 13; Sp. p. 2296; Dr. p. 469; Gaz. vol. 136; p. 1460.
 Vehicles, Weather-screen for motor-. J. Lingley. No. 890,667; June 16; Sp. p. 2986; Dr. pp. 654-5; Gaz. vol. 134; p. 1596.
 Vehicles, Wind-shield or weather-screen for motor and similar. H. S. Samuel. No. 879,195; Feb. 18; Sp. p. 2682; Dr. pp. 559-60; Gaz. vol. 132; p. 1347.
 Veil-pin. F. A. Curry. No. 892,227; June 30; Sp. p. 6169; Dr. p. 1329; Gaz. vol. 134; p. 2172.
 Vein-tube. W. H. Freeman. No. 878,199; Feb. 4; Sp. p. 636; Dr. p. 130; Gaz. vol. 132; p. 949.
 Velocipede. C. F. Speice. No. 888,666; May 26; Sp. p. 4708; Dr. p. 1001; Gaz. vol. 134; p. 856.
 Velocipede. G. E. O'Connor. No. 890,790; June 16; Sp. p. 3255; Dr. p. 712; Gaz. vol. 134; p. 1637.
 Velocipede. N. H. Pepper. No. 895,675; Aug. 11; Sp. p. 1796; Dr. pp. 382-3; Gaz. vol. 135; p. 1215.
 Velocipede. R. B. Robinson. No. 906,293; Dec. 8; Sp. p. 2317; Gaz. vol. 137; p. 1398.
 Velocipede. C. C. Cleverdon. No. 907,743; Dec. 29; Sp. p. 5182; Gaz. vol. 137; p. 1957.
 Velocipede driving gear. R. J. A. Delacroix. No. 885,982; Apr. 28; Sp. p. 4775; Dr. p. 1003; Gaz. vol. 133; p. 2034.
 Velocipede, Ice-. O. Pehrman. No. 899,132; Sept. 22; Sp. p. 3723; Dr. p. 797; Gaz. vol. 136; p. 702.
 Velocipede, Railway motor-. W. S. Hovey. No. 876,058; Jan. 7; Sp. p. 713; Dr. pp. 153-4; Gaz. vol. 132; p. 124.
 Velocipede, Water-. R. W. Kreis. No. 879,389; Feb. 18; Sp. p. 3063; Dr. p. 637; Gaz. vol. 132; p. 1410.
 Vending apparatus. C. H. Kelley. No. 888,404; May 19; Sp. p. 4146; Dr. pp. 876-7; Gaz. vol. 134; p. 735.

Alphabetical list of inventions—Continued.

- Vending apparatus, Coin-controlled. R. N. and B. F. Beasley. No. 879,722; Feb. 18; Sp. p. 3770; Dr. p. 791; Gaz. vol. 132; p. 1519.
- Vending apparatus, Coin-controlled. W. B. Sullivan. No. 884,236; Apr. 7; Sp. p. 1165; Dr. pp. 245-6; Gaz. vol. 133; p. 1376.
- Vending apparatus, Coin-controlled. A. L. Smith. No. 893,203; July 14; Sp. p. 1653; Dr. p. 349; Gaz. vol. 135; p. 298.
- Vending apparatus, Coin-controlled cigar-. W. B. Sullivan. No. 884,237; Apr. 7; Sp. p. 1169; Dr. pp. 246-7; Gaz. vol. 133; p. 1377.
- Vending apparatus, Coin-controlled operating mechanism for. E. X. Somers. No. 900,224; Oct. 6; Sp. p. 311; Dr. pp. 63-4; Gaz. vol. 136; p. 1123.
- Vending apparatus for cigarettes and the like, Coin-controlled. J. Sahlin. No. 905,003; Nov. 24; Sp. p. 5088; Gaz. vol. 137; p. 907.
- Vending apparatus, Prepayment. F. A. Lane. No. 892,434; July 7; Sp. p. 82; Dr. pp. 19-20; Gaz. vol. 135; p. 18.
- Vending apparatus, Prepayment. F. E. Morgan. No. 895,779; Aug. 11; Sp. p. 2011; Dr. pp. 427-8; Gaz. vol. 135; p. 1248.
- Vending carton or package. B. C. Tillinghast. No. 902,347; Oct. 27; Sp. p. 4779; Dr. p. 964; Gaz. vol. 136; p. 1909.
- Vending device. W. S. Lacy. No. 893,174; July 14; Sp. p. 1595; Dr. p. 338; Gaz. vol. 135; p. 290.
- Vending-machine. G. C. Yocum. No. 876,126; Jan. 7; Sp. p. 862; Dr. pp. 185-6; Gaz. vol. 132; p. 146.
- Vending-machine. A. Brown and A. W. Lawrence. No. 876,143; Jan. 7; Sp. p. 895; Dr. p. 193; Gaz. vol. 132; p. 152.
- Vending-machine. W. Rohde. No. 876,284; Jan. 7; Sp. p. 1170; Dr. pp. 255-6; Gaz. vol. 132; p. 197.
- Vending-machine. H. R. Holbrook. No. 879,546; Feb. 18; Sp. p. 3404; Dr. p. 713; Gaz. vol. 132; p. 1463.
- Vending-machine. E. B. Bicker and C. R. Schilling. No. 882,923; Mar. 24; Sp. p. 4843; Dr. p. 1028; Gaz. vol. 133; p. 891.
- Vending-machine. E. P. Bruton. No. 883,523; Mar. 31; Sp. p. 6078; Dr. p. 1293; Gaz. vol. 133; p. 1116.
- Vending-machine. J. G. Huffman. No. 883,886; Apr. 7; Sp. p. 437; Dr. pp. 86-7; Gaz. vol. 133; p. 1261.
- Vending-machine. S. Jenkins. No. 884,589; Apr. 14; Sp. p. 1858; Dr. pp. 399-400; Gaz. vol. 133; p. 1520.
- Vending-machine. T. A. Steele. No. 885,965; Apr. 28; Sp. p. 4743; Dr. p. 996; Gaz. vol. 133; p. 2030.
- Vending-machine. A. E. Wyatt. No. 888,291; May 19; Sp. p. 3922; Dr. pp. 825-6; Gaz. vol. 134; p. 700.
- Vending-machine. J. W. Murray. No. 889,389; June 2; Sp. p. 403; Dr. p. 95; Gaz. vol. 134; p. 1121.
- Vending-machine. A. E. Wyatt. No. 890,115; June 9; Sp. p. 1840; Dr. p. 406; Gaz. vol. 134; p. 1384.
- Vending-machine. J. Fritsche. No. 892,243; June 30; Sp. p. 6192; Dr. pp. 1334-5; Gaz. vol. 134; p. 2177.
- Vending-machine. I. H. Garson. No. 892,247; June 30; Sp. p. 6201; Dr. pp. 1336-7; Gaz. vol. 134; p. 2178.
- Vending-machine. F. Q. Rast and G. D. Schrum. No. 892,683; July 7; Sp. p. 565; Dr. pp. 119-20; Gaz. vol. 135; p. 100.
- Vending-machine. G. D. Schrum. No. 892,687; July 7; Sp. p. 572; Dr. pp. 121-3; Gaz. vol. 135; p. 101.
- Vending-machine. G. D. Schrum. No. 892,688; July 7; Sp. p. 577; Dr. pp. 123-5; Gaz. vol. 135; p. 101.
- Vending-machine. E. J. Haverly. No. 892,956; July 7; Sp. p. 1137; Dr. p. 239; Gaz. vol. 135; p. 190.
- Vending-machine. J. Vierling. No. 894,246; July 28; Sp. p. 3910; Dr. pp. 808-9; Gaz. vol. 135; p. 692.
- Vending-machine. F. E. Blodgett and C. E. Kail. No. 894,363; July 28; Sp. p. 4157; Dr. pp. 858-9; Gaz. vol. 135; p. 732.
- Vending-machine. H. W. Nicholes and J. R. Jones. No. 896,234; Aug. 18; Sp. p. 2878; Dr. p. 621; Gaz. vol. 135; p. 1418.
- Vending-machine. S. M. Strock. No. 897,801; Sept. 1; Sp. p. 1144; Dr. p. 244; Gaz. vol. 136; p. 181.
- Vending-machine. J. V. McCarthy and A. MacLeod. No. 897,989; Sept. 8; Sp. p. 1553; Dr. p. 330; Gaz. vol. 136; p. 275.
- Vending-machine. A. Jaeger. No. 898,371; Sept. 8; Sp. p. 2282; Dr. p. 485; Gaz. vol. 136; p. 396.
- Vending-machine. P. J. Regan. No. 898,681; Sept. 15; Sp. p. 2909; Dr. p. 623; Gaz. vol. 136; p. 528.
- Vending-machine. C. E. Morris. No. 898,765; Sept. 15; Sp. p. 3049; Dr. pp. 654-5; Gaz. vol. 136; p. 554.
- Vending-machine. A. Runyon. No. 898,930; Sept. 15; Sp. p. 3348; Dr. pp. 718-19; Gaz. vol. 136; p. 609.
- Vending-machine. R. J. Morrison. No. 904,798; Nov. 24; Sp. p. 4669; Gaz. vol. 137; p. 839.
- Vending-machine. R. E. E. Weitlich. No. 905,394; Dec. 1; Sp. p. 524; Gaz. vol. 137; p. 1074.
- Vending-machine. J. H. Billmeyer. No. 905,401; Dec. 1; Sp. p. 540; Gaz. vol. 137; p. 1076.
- Vending-machine. A. Towers. No. 906,666; Dec. 15; Sp. p. 2990; Gaz. vol. 137; p. 1540.
- Vending-machine. S. Kleinman. No. 908,276; Dec. 29; Sp. p. 6300; Gaz. vol. 137; p. 2135.
- Vending-machine, Automatic. L. U. Kent. No. 888,443; May 19; Sp. p. 4234; Dr. p. 898; Gaz. vol. 134; p. 750.
- Vending-machine, Automatic. A. P. Holden. No. 905,317; Dec. 1; Sp. p. 361; Gaz. vol. 137; p. 1046.
- Vending-machine, Bottle-. A. J. and I. B. Alexander. No. 882,858; Mar. 24; Sp. p. 4719; Dr. p. 1003; Gaz. vol. 133; p. 870.
- Vending-machine, Cigar-. M. R. Meredith. No. 884,186; Apr. 7; Sp. p. 1085; Dr. p. 226; Gaz. vol. 133; p. 1360.
- Vending-machine, Cigar-. W. Butler. No. 885,685; Apr. 21; Sp. p. 4137; Dr. p. 866; Gaz. vol. 133; p. 1906.
- Vending-machine, Cigar-. F. C. Jenkins. No. 898,654; Sept. 15; Sp. p. 2852; Dr. pp. 609-10; Gaz. vol. 136; p. 520.
- Vending-machine, Coin-controlled. R. D. Simpson. No. 885,187; Apr. 21; Sp. p. 3132; Dr. p. 658; Gaz. vol. 133; p. 1747.
- Vending-machine, Coin-controlled. W. H. Leaver and C. H. Smith. No. 887,203; May 12; Sp. p. 1698; Dr. p. 361; Gaz. vol. 134; p. 311.
- Vending-machine, Coin-controlled. F. W. Gerlach and M. M. Culp. No. 896,101; Aug. 18; Sp. p. 2640; Dr. p. 570; Gaz. vol. 135; p. 1375.
- Vending-machine, Coin-controlled. R. D. Simpson. No. 898,995; Sept. 15; Sp. p. 3463; Dr. p. 742; Gaz. vol. 136; p. 630.
- Vending-machine, Coin-controlled. J. E. Allison. No. 899,198; Sept. 22; Sp. p. 3567; Dr. p. 826; Gaz. vol. 136; p. 724.
- Vending-machine, Coin-controlled. R. I. Hill. No. 899,979; Sept. 29; Sp. p. 5458; Dr. p. 1164; Gaz. vol. 136; p. 1012.
- Vending-machine, Coin-controlled. A. C. O. Bock. No. 907,449; Dec. 22; Sp. p. 4551; Gaz. vol. 137; p. 1832.
- Vending-machine, &c., Coin-controlled. A. D. Grover. No. 900,924; Oct. 13; Sp. p. 1824; Dr. p. 371; Gaz. vol. 136; p. 1380.
- Vending-machine, Coin-controlled ticket-. W. E. Stratton. No. 903,914; Nov. 17; Sp. p. 2802; Gaz. vol. 137; p. 514.
- Vending-machine, Coin-operated. F. W. Tucker. No. 895,516; Aug. 11; Sp. p. 1487; Dr. pp. 314-15; Gaz. vol. 135; p. 1164.
- Vending-machine coin-receiver. W. C. Hanson. No. 896,012; Aug. 11; Sp. p. 2476; Dr. p. 535; Gaz. vol. 135; p. 1323.
- Vending-machine for matches. J. Fritsche. No. 901,091; Oct. 13; Sp. p. 2142; Dr. p. 437; Gaz. vol. 136; p. 1433.
- Vending-machine, Needle-. F. W. Green. No. 890,046; June 9; Sp. p. 1715; Dr. pp. 379-80; Gaz. vol. 134; p. 1361.
- Vending-machine, Newspaper-. C. H. Marr. No. 889,384; June 2; Sp. p. 387; Dr. p. 91; Gaz. vol. 134; p. 1119.
- Vending-machine, Newspaper-. W. A. Schenck. No. 895,899; Aug. 11; Sp. p. 2242; Dr. p. 479; Gaz. vol. 135; p. 1287.
- Vending-machine, Newspaper-. C. F. Pohl. No. 906,283; Dec. 8; Sp. p. 2288; Gaz. vol. 137; p. 1393.
- Vending-machine, Stamp-. E. E. Wiggell. No. 888,562; May 26; Sp. p. 4483; Dr. p. 949; Gaz. vol. 134; p. 821.
- Vending-machine, Stamp or ticket. R. J. Dickie and J. H. Brown. No. 884,802; Apr. 14; Sp. p. 2334; Dr. pp. 491-2; Gaz. vol. 133; p. 1591.
- Vending-machine, Ticket-. W. C. Mayo and J. Houlehan. No. 879,284; Feb. 18; Sp. p. 2839; Dr. pp. 595-6; Gaz. vol. 132; p. 1377.
- Vending-machines and the like, Check-operated feeder for. H. Margolis. No. 889,625; June 2; Sp. p. 859; Dr. p. 196; Gaz. vol. 134; p. 1198.
- Vending-machines, Coin-controlled attachment for. B. D. Campbell. No. 883,386; Mar. 31; Sp. p. 5793; Dr. p. 1236; Gaz. vol. 133; p. 1072.
- Vending-machines, Coin-operated mechanism for. L. A. Vandiver. No. 881,089; Mar. 3; Sp. p. 1191; Dr. p. 258; Gaz. vol. 133; p. 202.
- Vending-machines, Coin-way for. H. J. Wissing. No. 896,965; Aug. 25; Sp. p. 4421; Dr. p. 945; Gaz. vol. 135; p. 1679.
- Vending-machines, Fraud-preventive device for. H. J. Wissing. No. 887,172; May 12; Sp. p. 1642; Dr. pp. 348-9; Gaz. vol. 134; p. 302.
- Vending postage-stamps, tickets, &c., Coin freed or operated machine for. K. E. Fawns and G. Kermod. No. 878,787; Feb. 11; Sp. p. 1892; Dr. p. 390; Gaz. vol. 132; p. 1177.
- Veneer-machine. H. T. Williams. No. 880,849; Mar. 3; Sp. p. 743; Dr. p. 158; Gaz. vol. 133; p. 126.
- Veneer-package machines, Collapsible drum for. E. L. Gage. No. 905,305; Dec. 1; Sp. p. 338; Gaz. vol. 137; p. 1043.
- Veneer-press. C. E. Francis. No. 887,783; May 19; Sp. p. 2947; Dr. p. 620; Gaz. vol. 134; p. 535.
- Veneer-press, Knockdown. D. S. Ackley. No. 894,176; July 28; Sp. p. 3762; Dr. pp. 779-80; Gaz. vol. 135; p. 669.
- Veneer-sawing machine. J. Farrow. No. 879,451; Feb. 18; Sp. p. 3214; Dr. p. 669; Gaz. vol. 132; p. 1431.
- Veneers, Gluing. A. A. Dennis. No. 884,905; Apr. 14; Sp. p. 2520; Dr. pp. 532-3; Gaz. vol. 133; p. 1623.
- Veneering, Method of. W. J. Kelly. No. 882,203; Mar. 17; Sp. p. 3435; Dr. pp. 730-1; Gaz. vol. 133; p. 621.
- Vent-pipe attachment. J. H. Brown. No. 899,291; Sept. 22; Sp. p. 4060; Dr. p. 868; Gaz. vol. 136; p. 754.
- Venting attachment, Safety. J. Cohn. No. 903,841; Nov. 17; Sp. p. 2633; Gaz. vol. 137; p. 489.
- Ventilating apparatus. A. Brees. No. 905,283; Dec. 1; Sp. p. 310; Gaz. vol. 137; p. 1037.
- Ventilating-boot. W. P. Nolen. No. 906,061; Dec. 8; Sp. p. 1864; Gaz. vol. 137; p. 1319.
- Ventilating buildings, Automatic means for. D. F. Speer. No. 902,509; Oct. 27; Sp. p. 5137; Dr. p. 1040; Gaz. vol. 136; p. 1964.
- Ventilating-cowl. T. E. Lewis. No. 906,440; Dec. 8; Sp. p. 2576; Gaz. vol. 137; p. 1443.
- Ventilating device. L. S. Hackney. No. 877,420; Jan. 21; Sp. p. 3557; Dr. p. 769; Gaz. vol. 132; p. 647.
- Ventilating device. J. L. Waterbury and C. Waterman. No. 878,474; Feb. 4; Sp. p. 1172; Dr. p. 238; Gaz. vol. 132; p. 1040.
- Ventilating device. C. Stein. No. 893,670; July 21; Sp. p. 2630; Dr. p. 550; Gaz. vol. 135; p. 482.
- Ventilating device. J. W. Farley. No. 904,767; Nov. 24; Sp. p. 4604; Gaz. vol. 137; p. 829.
- Ventilating-panel. F. E. Richardson. No. 894,536; July 28; Sp. p. 4499; Dr. p. 933; Gaz. vol. 135; p. 788.
- Ventilating system. P. J. Conroy. No. 878,278; Feb. 4; Sp. p. 789; Dr. p. 157; Gaz. vol. 132; p. 976.
- Ventilating system. W. E. Symons. No. 903,339; Nov. 10; Sp. p. 1608; Gaz. vol. 137; p. 294.
- Ventilating system. C. J. Wilson. No. 903,935; Nov. 17; Sp. p. 2859; Gaz. vol. 137; p. 521.
- Ventilating system for rooms and the like. S. Timochowitsch. No. 882,219; Mar. 17; Sp. p. 3464; Dr. p. 737; Gaz. vol. 133; p. 626.
- Ventilator. See Boat-ventilator; Car-ventilator; Chimney-ventilator; Ejector-ventilator; Hat-ventilator; Hen-house or brooder ventilator; Shed-ventilator; Sidewalk-ventilator; Vault-ventilator; Wind-actuated ventilator; Window-ventilator.
- Ventilator. M. Hard and E. Coney. No. 875,708; Jan. 7; Sp. p. 60; Dr. p. 12; Gaz. vol. 132; p. 13.

Alphabetical list of inventions—Continued.

- Ventilator. C. R. Brooks. No. 876,258; Jan. 7; Sp. p. 1110; Dr. pp. 240-1; Gaz. vol. 132; p. 188.
 Ventilator. H. J. Kellhofer. No. 876,972; Jan. 21; Sp. p. 2642; Dr. p. 574; Gaz. vol. 132; p. 498.
 Ventilator. A. H. Mix. No. 877,725; Jan. 28; Sp. p. 4166; Dr. p. 902; Gaz. vol. 132; p. 766.
 Ventilator. J. Lorenz. No. 878,214; Feb. 4; Sp. p. 661; Dr. p. 136; Gaz. vol. 132; p. 953.
 Ventilator. A. A. Packer. No. 878,231; Feb. 4; Sp. p. 693; Dr. p. 143; Gaz. vol. 132; p. 958.
 Ventilator. A. B. Redell and J. A. Panter. No. 879,119; Feb. 11; Sp. p. 2532; Dr. p. 526; Gaz. vol. 132; p. 1281.
 Ventilator. A. B. Redell and J. A. Panter. No. 879,120; Feb. 11; Sp. p. 2534; Dr. pp. 526-7; Gaz. vol. 132; p. 1281.
 Ventilator. P. M. Egan. No. 881,911; Mar. 17; Sp. p. 2851; Dr. pp. 608-9; Gaz. vol. 133; p. 528.
 Ventilator. J. F. Huber. No. 885,479; Apr. 21; Sp. p. 3709; Dr. p. 779; Gaz. vol. 133; p. 1842.
 Ventilator. G. Kabureck. No. 886,610; May 5; Sp. p. 530; Dr. p. 113; Gaz. vol. 134; p. 94.
 Ventilator. M. Dorn. No. 887,722; May 12; Sp. p. 2799; Dr. p. 592; Gaz. vol. 134; p. 486.
 Ventilator. A. Baggaley. No. 889,186; June 2; Sp. p. 1; Dr. p. 1; Gaz. vol. 134; p. 1057.
 Ventilator. L. S. Wiemann. No. 891,967; June 30; Sp. p. 5682; Dr. p. 1224; Gaz. vol. 134; p. 2088.
 Ventilator. C. Eischenschmidt. No. 893,467; July 14; Sp. p. 2187; Dr. p. 459; Gaz. vol. 135; p. 386.
 Ventilator. O. F. Hillpot. No. 893,585; July 14; Sp. p. 2454; Dr. p. 511; Gaz. vol. 135; p. 424.
 Ventilator. A. M. H. de Bruycker. No. 893,978; July 21; Sp. p. 3340; Dr. p. 684; Gaz. vol. 135; p. 584.
 Ventilator. F. F. Stokes. No. 896,334; Aug. 18; Sp. p. 3096; Dr. p. 666; Gaz. vol. 135; p. 1449.
 Ventilator. W. H. Davidson. No. 898,730; Sept. 15; Sp. p. 2990; Dr. p. 641; Gaz. vol. 136; p. 544.
 Ventilator. W. H. Davidson. No. 898,838; Sept. 15; Sp. p. 3184; Dr. p. 681; Gaz. vol. 136; p. 579.
 Ventilator. P. Evans. No. 898,855; Sept. 15; Sp. p. 3215; Dr. p. 689; Gaz. vol. 136; p. 584.
 Ventilator. E. B. and G. O. Loomis. No. 900,560; Oct. 6; Sp. p. 1056; Dr. p. 217; Gaz. vol. 136; p. 1234.
 Ventilator. J. D. Ripson. No. 900,595; Oct. 6; Sp. p. 1116; Dr. p. 229; Gaz. vol. 136; p. 1245.
 Ventilator. A. Darroch. No. 901,075; Oct. 13; Sp. p. 2113; Dr. pp. 430-1; Gaz. vol. 136; p. 1428.
 Ventilator. M. J. Meyer. No. 903,217; Nov. 10; Sp. p. 1371; Gaz. vol. 137; p. 254.
 Ventilator. M. Townsend. No. 903,340; Nov. 10; Sp. p. 1612; Gaz. vol. 137; p. 295.
 Ventilator. J. Fink. No. 903,851; Nov. 17; Sp. p. 2651; Gaz. vol. 137; p. 492.
 Ventilator. H. Shlamowitz. No. 905,008; Nov. 24; Sp. p. 5103; Gaz. vol. 137; p. 909.
 Ventilator. L. M. Doyle. No. 905,157; Dec. 1; Sp. p. 67; Gaz. vol. 137; p. 994.
 Ventilator. W. F. Warden. No. 905,255; Dec. 1; Sp. p. 259; Gaz. vol. 137; p. 1058.
 Ventilator. F. C. Kasch. No. 907,813; Dec. 29; Sp. p. 5332; Gaz. vol. 137; p. 1982.
 Ventilator attachment. B. S. Boone. No. 900,349; Oct. 6; Sp. p. 580; Dr. p. 120; Gaz. vol. 136; p. 1164.
 Ventilator-operating device. I. Eachus. No. 870,338; Jan. 14; Sp. p. 1297; Dr. p. 280; Gaz. vol. 132; p. 246.
 Veriscope. W. H. Ely. No. 896,814; Aug. 25; Sp. p. 4070; Dr. p. 876; Gaz. vol. 135; p. 1628.
 Vermine-eradicator. C. Kuhner. No. 879,055; Feb. 11; Sp. p. 2377; Dr. p. 497; Gaz. vol. 132; p. 1260.
 Vernier, Adjustable. G. N. Saegmuller. No. 879,008; Feb. 11; Sp. p. 2303; Dr. p. 481; Gaz. vol. 132; p. 1246.
 Vertical lock. A. De Vilbiss. No. 879,371; Feb. 18; Sp. p. 3023; Dr. pp. 630-1; Gaz. vol. 132; p. 1405.
 Vessel, Cargo. W. Doxford. No. 897,884; Sept. 8; Sp. p. 1309; Dr. p. 280; Gaz. vol. 136; p. 239.
 Vessel-closure. R. W. Crocker. No. 878,940; Feb. 11; Sp. p. 2180; Dr. p. 455; Gaz. vol. 132; p. 1225.
 Vessel-closure. C. Hubert. No. 891,696; June 23; Sp. p. 5113; Dr. p. 1103; Gaz. vol. 134; p. 1966.
 Vessel-closure. W. H. Prest. No. 892,886; July 7; Sp. p. 995; Dr. p. 208; Gaz. vol. 135; p. 166.
 Vessel closure, Containing-. E. D. Chellis. No. 882,546; Mar. 17; Sp. p. 4079; Dr. p. 867; Gaz. vol. 133; p. 735.
 Vessel closure, Containing-. E. D. Chellis. No. 882,548; Mar. 17; Sp. p. 4082; Dr. p. 868; Gaz. vol. 133; p. 735.
 Vessel closure, Containing-. E. D. Chellis. No. 882,549; Mar. 17; Sp. p. 4083; Dr. p. 868; Gaz. vol. 133; p. 736.
 Vessel closure, Containing-. E. D. Chellis. No. 882,550; Mar. 17; Sp. p. 4084; Dr. p. 868; Gaz. vol. 133; p. 736.
 Vessel-coaling apparatus. L. A. De Mayo. No. 881,429; Mar. 10; Sp. p. 1866; Dr. p. 406; Gaz. vol. 133; p. 342.
 Vessel, Containing and dispensing. C. F. Kade. No. 897,106; Aug. 25; Sp. p. 4702; Dr. p. 1002; Gaz. vol. 135; p. 1725.
 Vessel, Double-walled. R. Burger. No. 884,567; Apr. 14; Sp. p. 1823; Dr. p. 391; Gaz. vol. 133; p. 1513.
 Vessel, Double-walled. A. Aschenbrenner. No. 888,054; May 19; Sp. p. 3476; Dr. p. 728; Gaz. vol. 134; p. 623.
 Vessel, Double-walled. G. P. Altenberg. No. 900,075; Oct. 6; Sp. p. 4; Dr. p. 1; Gaz. vol. 136; p. 1075.
 Vessel filling and emptying device. E. Langford. No. 905,818; Dec. 1; Sp. p. 1390; Gaz. vol. 137; p. 1211.
 Vessel for conveying materials. R. Jonas. No. 895,025; Aug. 4; Sp. p. 511; Dr. p. 103; Gaz. vol. 135; p. 978.
 Vessel for whale-fishing. J. A. Mörch. No. 893,642; July 21; Sp. p. 2578; Dr. pp. 536-7; Gaz. vol. 135; p. 473.
 Vessel-hull. I. E. Palmer. No. 885,370; Apr. 21; Sp. p. 3518; Dr. p. 734; Gaz. vol. 133; p. 1808.
 Vessel-hull scraper. W. E. Scott. No. 877,745; Jan. 28; Sp. p. 4205; Dr. p. 911; Gaz. vol. 132; p. 772.
 Vessel, Marine. G. F. Trishman. No. 888,274; May 19; Sp. p. 3883; Dr. pp. 817-18; Gaz. vol. 134; p. 695.
 Vessel, Motor. D. C. Blake. No. 897,517; Sept. 1; Sp. p. 571; Dr. p. 119; Gaz. vol. 136; p. 90.
 Vessel or the like, Double-walled. R. Burger. No. 888,783; May 26; Sp. p. 4945; Dr. p. 1054; Gaz. vol. 134; p. 893.
 Vessel propelling means. W. T. Naselius. No. 907,086; Dec. 15; Sp. p. 3778; Gaz. vol. 137; p. 1672.
 Vessel-raising device. C. Downer and E. H. Simpson. No. 886,194; Apr. 28; Sp. p. 5187; Dr. p. 1092; Gaz. vol. 133; p. 2103.
 Vessel safety device. P. Jamnitzky. No. 893,324; July 14; Sp. p. 1884; Dr. p. 394; Gaz. vol. 135; p. 339.
 Vessel, Transport. O. Mehrtens. No. 886,621; May 5; Sp. p. 552; Dr. p. 116; Gaz. vol. 134; p. 97.
 Vessel, Turret. C. D. Doxford. No. 896,900; Aug. 25; Sp. p. 4252; Dr. pp. 909-10; Gaz. vol. 135; p. 1657.
 Vessel, Turret or similar. C. D. Doxford. No. 887,076; May 12; Sp. p. 1477; Dr. p. 313; Gaz. vol. 134; p. 272.
 Vessel-unloading apparatus. A. Schwartz. No. 881,446; Mar. 10; Sp. p. 1903; Dr. p. 414; Gaz. vol. 133; p. 348.
 Vessel-unloading apparatus. A. Schwartz. No. 881,874; Mar. 10; Sp. p. 2760; Dr. p. 592; Gaz. vol. 133; p. 487.
 Vessel with double walls and protective case. H. Henn. No. 884,582; Apr. 14; Sp. p. 1845; Dr. p. 396; Gaz. vol. 133; p. 1517.
 Vessels, Apparatus for raising sunken. S. J. Urbanski. No. 889,493; June 2; Sp. p. 615; Dr. p. 144; Gaz. vol. 134; p. 1154.
 Vessels, Appliance for adding to the record speed of. W. Laudahn. No. 884,936; Apr. 14; Sp. p. 2590; Dr. p. 546; Gaz. vol. 133; p. 1632.
 Vessels, Coating the surfaces of. W. Ackermann. No. 881,759; Mar. 10; Sp. p. 2514; Gaz. vol. 133; p. 448.
 Vessels during ornamentation, Protecting the inside of. F. G. Farnham. No. 881,915; Mar. 17; Sp. p. 2862; Dr. p. 610; Gaz. vol. 133; p. 529.
 Vessels, Guard for channelled marine. L. Dion. No. 900,008; Sept. 29; Sp. p. 5528; Dr. p. 1178; Gaz. vol. 136; p. 1022.
 Vessels, Indicator for locating sunken. J. Long, T. E. Knight, and W. Judd. No. 889,024; May 26; Sp. p. 5436; Dr. p. 1155; Gaz. vol. 134; p. 971.
 Vessels, Means for effecting escape of occupants from sunken. D. A. Dempster. No. 876,777; Jan. 14; Sp. p. 2217; Dr. p. 487; Gaz. vol. 132; p. 393.
 Vessels, Means for raising sunken. N. Jelpo. No. 906,716; Dec. 15; Sp. p. 3089; Gaz. vol. 137; p. 1556.
 Vessels, Means for transporting. E. L. Burwell. No. 901,589; Oct. 20; Sp. p. 3196; Dr. pp. 653-4; Gaz. vol. 136; p. 1634.
 Vessels, Metallic head for. E. C. Thorschmidt. No. 892,775; July 7; Sp. p. 752; Dr. p. 159; Gaz. vol. 135; p. 130.
 Vessels, Raising sunken. S. Lake. No. 908,016; Dec. 29; Sp. p. 5759; Gaz. vol. 137; p. 2047.
 Vessels, Sounding device for. E. Degagné. No. 900,834; Oct. 13; Sp. p. 1632; Dr. p. 330; Gaz. vol. 136; p. 1351.
 Vestibule-diaphragm. J. H. Donaldson. No. 882,516; Mar. 17; Sp. p. 4010; Dr. p. 857; Gaz. vol. 133; p. 725.
 Vestibule door and platform controlling mechanism. F. C. Reynolds. No. 876,397; Jan. 14; Sp. p. 1429; Dr. p. 307; Gaz. vol. 132; p. 265.
 Veterinary dental speculum. L. L. Conkey. No. 875,692; Jan. 7; Sp. p. 28; Dr. p. 6; Gaz. vol. 132; p. 7.
 Veterinary dilator and impregnator. I. O. Crittenden. No. 876,775; Jan. 14; Sp. p. 2213; Dr. p. 486; Gaz. vol. 132; p. 393.
 Veterinary float. D. O. Knisely. No. 875,824; Jan. 7; Sp. p. 276; Dr. p. 60; Gaz. vol. 132; p. 51.
 Veterinary forceps. C. A. Paisley. No. 891,725; June 23; Sp. p. 5168; Dr. p. 1115; Gaz. vol. 134; p. 1975.
 Veterinary obstetrical instrument. C. Gabel. No. 886,363; May 5; Sp. p. 42; Dr. p. 9; Gaz. vol. 134; p. 11.
 Veterinary operating-table. I. L. Smith. No. 886,656; May 5; Sp. p. 627; Dr. p. 150; Gaz. vol. 134; p. 108.
 Veterinary parturition instrument. R. Fairchild. No. 889,670; June 2; Sp. p. 949; Dr. p. 218; Gaz. vol. 134; p. 1211.
 Veterinary purposes, Medicine-injector for. C. Wuest. No. 891,515; June 23; Sp. p. 4732; Dr. p. 1024; Gaz. vol. 134; p. 1906.
 Veterinary remedy. C. A. Coe, Jr. No. 886,946; May 5; Sp. p. 1211; Gaz. vol. 134; p. 201.
 Veterinary surgical float. C. Tietz. No. 875,967; Jan. 7; Sp. p. 545; Dr. p. 116; Gaz. vol. 132; p. 96.
 Veterinary tool. T. E. Jenkins. No. 893,589; July 14; Sp. p. 2462; Dr. p. 512; Gaz. vol. 135; p. 425.
 Veterinary tooth-file. L. P. Helm. No. 889,462; June 2; Sp. p. 551; Dr. p. 130; Gaz. vol. 134; p. 1145.
 Veterinary vaginal speculum. I. Paisley. No. 902,906; Nov. 3; Sp. p. 762; Gaz. vol. 137; p. 126.
 Vibrator. A. R. Luschka. No. 877,896; Jan. 28; Sp. p. 4489; Dr. p. 977; Gaz. vol. 132; p. 820.
 Vibrator. W. N. and F. W. Nicholls. No. 878,083; Feb. 4; Sp. p. 386; Dr. p. 80; Gaz. vol. 132; p. 911.
 Vibrator. H. Larsen. No. 880,801; Mar. 3; Sp. p. 634; Dr. p. 133; Gaz. vol. 133; p. 109.
 Vibrator. A. G. Gray. No. 883,013; Mar. 24; Sp. p. 5010; Dr. p. 1066; Gaz. vol. 133; p. 920.
 Vibrator. E. M. Tormin. No. 886,443; May 5; Sp. p. 200; Dr. p. 43; Gaz. vol. 134; p. 38.

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- Vibrator. M. K. Golden. No. 888,996; May 26; Sp. p. 5392; Dr. p. 1145; Gaz. vol. 134; p. 962.
 Vibrator. G. B. Pickop. No. 893,868; July 21; Sp. p. 3116; Dr. p. 639; Gaz. vol. 135; p. 548.
 Vibrator. F. R. Muenzenberger. No. 905,561; Dec. 1; Sp. p. 911; Gaz. vol. 137; p. 1129.
 Vibrator. H. Larsen. No. 907,377; Dec. 22; Sp. p. 4390; Gaz. vol. 137; p. 1807.
 Vibrator, Electrical. M. K. Golden. No. 892,249; June 30; Sp. p. 6206; Dr. p. 1337; Gaz. vol. 134; p. 2179.
 Vibrator for movement-cure purposes. J. B. Kirby. No. 891,776; June 23; Sp. p. 5259; Dr. p. 1139; Gaz. vol. 134; p. 1993.
 Vibrator, Liquid-actuated. C. H. Richmond. No. 890,709; June 16; Sp. p. 3079; Dr. p. 677; Gaz. vol. 134; p. 1609.
 Vibratory apparatus for ear treatment. E. Meyer. No. 904,632; Nov. 24; Sp. p. 4306; Gaz. vol. 137; p. 783.
 Vibratory apparatus, Therapeutic. J. M. Tourtel and G. L. Hogan. No. 890,822; June 16; Sp. p. 3319; Dr. pp. 726-7; Gaz. vol. 134; p. 1648.
 Victoria and buggy top. J. W. Woolley. No. 906,352; Dec. 8; Sp. p. 2424; Gaz. vol. 137; p. 1416.
 View-finder. H. J. Winter. No. 878,324; Feb. 4; Sp. p. 879; Dr. p. 175; Gaz. vol. 132; p. 990.
 Vine-cutter. W. E. Moldenhauer. No. 882,333; Mar. 17; Sp. p. 3691; Dr. p. 784; Gaz. vol. 133; p. 665.
 Violin. J. D. Loppentien. No. 882,702; Mar. 24; Sp. p. 4386; Dr. p. 933; Gaz. vol. 133; p. 819.
 Violin. F. M. Stone. No. 895,593; Aug. 11; Sp. p. 1639; Dr. pp. 345-6; Gaz. vol. 135; p. 1189.
 Violin. P. A. Amundson. No. 896,790; Aug. 25; Sp. p. 4021; Dr. p. 865; Gaz. vol. 135; p. 1620.
 Violin and the like. J. W. D'Armon. No. 878,124; Feb. 4; Sp. p. 461; Dr. p. 98; Gaz. vol. 132; p. 923.
 Violin chin and shoulder rest. B. Henrikson and L. H. Wrangell. No. 904,258; Nov. 17; Sp. p. 3530; Gaz. vol. 137; p. 631.
 Violin-mute. J. Mitchell. No. 881,480; Mar. 10; Sp. p. 1977; Dr. p. 431; Gaz. vol. 133; p. 359.
 Violin-mute. J. Mitchell. No. 885,067; Apr. 21; Sp. p. 2856; Dr. p. 607; Gaz. vol. 133; p. 1707.
 Violin or other string-instrument body. S. Ulbrich. No. 897,036; Aug. 25; Sp. p. 4574; Dr. p. 975; Gaz. vol. 135; p. 1703.
 Violin-rest. A. A. Goldenberg. No. 896,721; Aug. 25; Sp. p. 3363; Dr. p. 835; Gaz. vol. 135; p. 1596.
 Violins and violas, Chin-rest for. C. F. Steckelberg. No. 883,755; Apr. 7; Sp. p. 148; Dr. p. 27; Gaz. vol. 133; p. 1217.
 Virometer. C. L. Dobrick. No. 887,383; May 12; Sp. p. 2159; Dr. p. 452; Gaz. vol. 134; p. 373.
 Vise. A. J. Pereles. No. 876,228; Jan. 7; Sp. p. 1057; Dr. p. 228; Gaz. vol. 132; p. 178.
 Vise. C. P. Blackiston. No. 877,699; Jan. 28; Sp. p. 4123; Dr. p. 893; Gaz. vol. 132; p. 758.
 Vise. W. E. Canedy. No. 890,841; June 16; Sp. p. 3350; Dr. p. 734; Gaz. vol. 134; p. 1653.
 Vise. W. A. Merralls. No. 895,413; Sept. 8; Sp. p. 2362; Dr. pp. 504-5; Gaz. vol. 136; p. 409.
 Vise. G. M. Yost. No. 899,779; Sept. 29; Sp. p. 5045; Dr. pp. 1080-1; Gaz. vol. 136; p. 949.
 Vise. F. W. Hubbard. No. 903,137; Nov. 3; Sp. p. 1200; Gaz. vol. 137; p. 196.
 Vise. H. R. Christians. No. 906,885; Dec. 8; Sp. p. 2473; Gaz. vol. 137; p. 1425.
 Vise, Bench-. J. G. Baker. No. 877,695; Jan. 28; Sp. p. 4118; Dr. p. 891; Gaz. vol. 132; p. 757.
 Vise, Bench-. O. A. Anderson. No. 897,185; Aug. 25; Sp. p. 4848; Dr. p. 1031; Gaz. vol. 135; p. 1750.
 Vise, Double-swivel. E. M. Walker. No. 903,345; Nov. 10; Sp. p. 1617; Gaz. vol. 137; p. 296.
 Vise, Fluid-actuated. T. F. Warwick. No. 884,548; Apr. 14; Sp. p. 1783; Dr. pp. 383-4; Gaz. vol. 133; p. 1507.
 Vise, Hand-. W. Kuss. No. 887,661; May 12; Sp. p. 2696; Dr. p. 570; Gaz. vol. 134; p. 464.
 Vise-head. W. E. Canedy. No. 906,507; Dec. 15; Sp. p. 2696; Gaz. vol. 137; p. 1490.
 Vise, Pedally-operated. H. E. Fuller. No. 887,471; May 12; Sp. p. 2331; Dr. p. 488; Gaz. vol. 134; p. 402.
 Vise, Pipe-. C. W. Sievert. No. 904,234; Nov. 17; Sp. p. 3460; Gaz. vol. 137; p. 624.
 Visual signal. W. L. Merrill. No. 888,341; May 19; Sp. p. 4010; Dr. p. 847; Gaz. vol. 134; p. 715.
 Voltage and power factor of generators operating in multiple, Means for automatically controlling. J. Pearson. No. 887,222; May 12; Sp. p. 1730; Dr. p. 368; Gaz. vol. 134; p. 317.
 Voltage-protector. G. T. Hanchett and H. M. Shaw. No. 895,854; Aug. 11; Sp. p. 2166; Dr. p. 460; Gaz. vol. 135; p. 1273.
 Voltage-regulating system. W. L. Merrill. No. 894,522; July 28; Sp. p. 4477; Dr. p. 927; Gaz. vol. 135; p. 783.
 Voltage system of distribution, Multiple-. B. Frankenfield. No. 886,049; Apr. 28; Sp. p. 4919; Dr. p. 1034; Gaz. vol. 133; p. 2056.
 Voltage transformer, Variable-. M. G. Young. No. 894,714; July 28; Sp. p. 4848; Dr. p. 1008; Gaz. vol. 135; p. 846.
 Voltaic high-current arcs, Apparatus for producing. H. Pauling. No. 888,133; Sept. 8; Sp. p. 1841; Dr. p. 392; Gaz. vol. 136; p. 320.
 Voltaic strong-current arcs, Production of. H. Pauling. No. 877,448; Jan. 21; Sp. p. 3607; Dr. p. 781; Gaz. vol. 132; p. 656.
 Voltmeter. H. S. Hatfield. No. 876,641; Jan. 14; Sp. p. 1981; Dr. p. 431; Gaz. vol. 132; p. 351.
 Vote-registering machine. D. L. Newcomb. No. 882,160; Mar. 17; Sp. p. 3342; Dr. pp. 713-16; Gaz. vol. 133; p. 608.
 Voting-machine. B. T. Seelye. No. 877,880; Jan. 21; Sp. p. 3477; Dr. p. 755; Gaz. vol. 132; p. 634.
 Voting-machine. J. H. McElroy. No. 879,114; Feb. 11; Sp. p. 2522; Dr. p. 524; Gaz. vol. 132; p. 1279.
 Voting-machine. A. McKenzie. No. 879,664; Feb. 18; Sp. p. 3649; Dr. p. 764; Gaz. vol. 132; p. 1500.
 Voting-machine. F. A. Peterson. No. 884,039; Apr. 7; Sp. p. 751; Dr. pp. 155-6; Gaz. vol. 133; p. 1312.
 Voting-machine. J. W. Nunamaker. No. 885,659; Apr. 21; Sp. p. 4033; Dr. pp. 843-7; Gaz. vol. 133; p. 1890.
 Voting-machine. W. H. Dana. No. 885,981; Apr. 28; Sp. p. 4767; Dr. pp. 1002-3; Gaz. vol. 133; p. 2034.
 Voting-machine. W. H. Dana. No. 886,314; Apr. 28; Sp. p. 5427; Dr. pp. 1137-8; Gaz. vol. 133; p. 2145.
 Voting-machine. W. H. Strong. No. 889,985; June 9; Sp. p. 1568; Dr. p. 354; Gaz. vol. 134; p. 1339.
 Voting-machine. W. H. Strong. No. 890,814; June 16; Sp. p. 3303; Dr. pp. 723-4; Gaz. vol. 134; p. 1645.
 Voting-machine. P. Yoe. No. 892,489; July 7; Sp. p. 189; Dr. pp. 39-40; Gaz. vol. 135; p. 37.
 Voting-machine. A. McKenzie. No. 895,288; Aug. 4; Sp. p. 1045; Dr. p. 218-19; Gaz. vol. 135; p. 1066.
 Voting-machine. J. W. H. Doubler. No. 896,201; Aug. 18; Sp. p. 2813; Dr. pp. 606-7; Gaz. vol. 135; p. 1405.
 Voting-machine. C. W. Bowron. No. 897,056; Aug. 25; Sp. p. 4612; Dr. pp. 982-4; Gaz. vol. 135; p. 1710.
 Voting-machine. E. McClain. No. 898,910; Sept. 15; Sp. p. 3314; Dr. pp. 710-11; Gaz. vol. 136; p. 602.
 Voting-machine. A. McKenzie. No. 905,564; Dec. 1; Sp. p. 914; Gaz. vol. 137; p. 1129.
 Voting-machine. F. Kelper. No. 906,434; Dec. 8; Sp. p. 2565; Gaz. vol. 137; p. 1441.
 Voting-machine. C. E. Spalding. No. 909,826; Dec. 15; Sp. p. 3298; Gaz. vol. 137; p. 1591.
 Voting-machine interlock. F. Kelper. No. 898,114; Sept. 8; Sp. p. 1805; Dr. p. 383; Gaz. vol. 136; p. 315.
 Voting-machine interlocking mechanism. D. I. Whiteside. No. 900,630; Oct. 6; Sp. p. 1194; Dr. pp. 245-6; Gaz. vol. 136; p. 1256.
 Voting-machines, Counter operating and locking mechanism for. C. C. Abbott. No. 881,991; Mar. 17; Sp. p. 3016; Dr. pp. 643-4; Gaz. vol. 133; p. 554.
 Voting-machines, Detachable leg for. C. C. Abbott. No. 900,907; Oct. 13; Sp. p. 1786; Dr. pp. 360-1; Gaz. vol. 136; p. 1374.
 Voting-machines, Grouping mechanism for. C. C. Abbott. No. 900,906; Oct. 13; Sp. p. 1781; Dr. p. 360; Gaz. vol. 136; p. 1373.
 Voting-machines, Independent-vote mechanism for. S. Loe. No. 891,941; June 30; Sp. p. 5615; Dr. pp. 1210-11; Gaz. vol. 134; p. 2080.
 Voting-machines, Independent-vote mechanism for. S. Loe. No. 895,872; Aug. 11; Sp. p. 2197; Dr. p. 468; Gaz. vol. 135; p. 1279.
 Voting-machines, Interlocking member for. C. C. Abbott. No. 900,905; Oct. 13; Sp. p. 1776; Dr. p. 360; Gaz. vol. 136; p. 1373.
 Voting-machines, Label-holder for. W. J. Lausterer. No. 886,061; Apr. 28; Sp. p. 4939; Dr. pp. 1038-9; Gaz. vol. 133; p. 2060.
 Voting-machines, Primary voting and vote-challenging mechanism for. C. C. Abbott. No. 881,992; Mar. 17; Sp. p. 3022; Dr. p. 344; Gaz. vol. 133; p. 554.
 Voting-machines, Primary voting and vote-challenging mechanism for. C. C. Abbott. No. 881,993; Mar. 17; Sp. p. 3024; Dr. pp. 644-5; Gaz. vol. 133; p. 555.
 Vulcanization, Process of. A. O. Bourn. No. 876,431; Jan. 14; Sp. p. 1501; Dr. p. 323; Gaz. vol. 132; p. 277.
 Vulcanizer. W. D. Gratama. No. 891,687; June 23; Sp. p. 5100; Dr. p. 1101; Gaz. vol. 134; p. 1963.
 Vulcanizer. W. H. Barnard. No. 892,209; June 30; Sp. p. 6137; Dr. p. 1322; Gaz. vol. 134; p. 2166.
 Vulcanizer. J. F. Hardy. No. 896,989; Aug. 25; Sp. p. 4471; Dr. p. 955; Gaz. vol. 135; p. 1686.
 Vulcanizer. F. S. Perkins. No. 906,556; Dec. 15; Sp. p. 2792; Gaz. vol. 137; p. 1507.
 Vulcanizing apparatus, Portable. M. Schiele. No. 907,532; Dec. 22; Sp. p. 4701; Gaz. vol. 137; p. 1859.
 Vulcanizing-mold. J. K. Williams. No. 908,181; Dec. 29; Sp. p. 6095; Gaz. vol. 137; p. 2103.
 Wafer-cutting machine. H. H. Hungerford. No. 892,428; July 7; Sp. p. 68; Dr. pp. 16-17; Gaz. vol. 135; p. 16.
 Wafers, sugar-wafer biscuits, and the like, Machinery for making cup-. T. O. Bates. No. 880,497; Mar. 3; Sp. p. 11; Dr. p. 3; Gaz. vol. 133; p. 5.
 Wafers, sugar-wafer biscuits, and the like, Machinery for making cup-. T. O. Bates. No. 880,498; Mar. 3; Sp. p. 13; Dr. pp. 3-4; Gaz. vol. 133; p. 5.
 Waffle-iron. W. E. Wolters. No. 881,038; Mar. 3; Sp. p. 1090; Dr. p. 226; Gaz. vol. 133; p. 186.
 Wagon. F. W. Bleckley. No. 878,452; Feb. 4; Sp. p. 1117; Dr. p. 229; Gaz. vol. 132; p. 1032.
 Wagon. A. Main. No. 878,971; Feb. 11; Sp. p. 2228; Dr. p. 466; Gaz. vol. 132; p. 1284.
 Wagon. E. C. Litchfield and D. Garst. No. 888,626; May 26; Sp. p. 4622; Dr. p. 980; Gaz. vol. 134; p. 843.
 Wagon and truck, Combined. L. P. Carroll. No. 884,127; Apr. 7; Sp. p. 972; Dr. p. 201; Gaz. vol. 133; p. 1341.
 Wagon and truck pole support. C. D. Heile. No. 907,349; Dec. 22; Sp. p. 4332; Gaz. vol. 137; p. 1798.
 Wagon attachment. J. W. Liles. No. 884,173; Apr. 7; Sp. p. 1063; Dr. p. 221; Gaz. vol. 133; p. 1356.
 Wagon attachment. L. S. Hyde. No. 888,893; May 26; Sp. p. 5211; Dr. p. 1105; Gaz. vol. 134; p. 932.
 Wagon-bed. F. R. Penn. No. 878,667; Feb. 11; Sp. p. 1660; Dr. p. 341; Gaz. vol. 132; p. 1139.
 Wagon-bed and hay-rack, Combined. J. S. Walton. No. 883,989; Apr. 7; Sp. p. 655; Dr. p. 132; Gaz. vol. 133; p. 1296.

Alphabetical list of inventions—Continued.

- Wagon-bed attachment. S. B. Wenger. No. 877,535; Jan. 28; Sp. p. 3796; Dr. p. 822; Gaz. vol. 132; p. 706.
- Wagon-bodies, Crate-cover for. A. Hoppe. No. 876,551; Jan. 14; Sp. p. 1761; Dr. p. 383; Gaz. vol. 132; p. 319.
- Wagon-body. H. Knox. No. 879,653; Feb. 18; Sp. p. 3632; Dr. p. 759; Gaz. vol. 132; p. 1497.
- Wagon-body and hay-rack lifter. W. C. Wilson. No. 906,349; Dec. 8; Sp. p. 2418; Gaz. vol. 137; p. 1415.
- Wagon-bolster. F. W. Blackley. No. 878,038; Feb. 4; Sp. p. 300; Dr. p. 64; Gaz. vol. 132; p. 897.
- Wagon-bolster, Spring. J. L. and A. Hagel. No. 896,105; Aug. 18; Sp. p. 2653; Dr. p. 572; Gaz. vol. 135; p. 1376.
- Wagon-box. H. J. Hopkins. No. 890,056; June 9; Sp. p. 1732; Dr. p. 384; Gaz. vol. 134; p. 1364.
- Wagon-box. J. B. Pospeshil. No. 893,937; July 21; Sp. p. 3243; Dr. p. 667; Gaz. vol. 135; p. 570.
- Wagon-box fastener. C. E. Megler and W. C. Harned. No. 889,320; June 2; Sp. p. 249; Dr. p. 61; Gaz. vol. 134; p. 1098.
- Wagon-brake. F. M. Smith. No. 877,009; Jan. 21; Sp. p. 2728; Dr. pp. 590-1; Gaz. vol. 132; p. 511.
- Wagon-brake. G. B. Showalter. No. 878,567; Feb. 11; Sp. p. 1443; Dr. p. 294; Gaz. vol. 132; p. 1105.
- Wagon-brake. J. B. Jones. No. 882,391; Mar. 17; Sp. p. 3788; Dr. p. 809; Gaz. vol. 133; p. 683.
- Wagon-brake. J. F. Hagler. No. 885,749; Apr. 28; Sp. p. 4285; Dr. pp. 897-8; Gaz. vol. 133; p. 1956.
- Wagon-brake. A. J. Strunk. No. 888,270; May 19; Sp. p. 3877; Dr. p. 816; Gaz. vol. 134; p. 694.
- Wagon-brake. R. A. Griswold. No. 891,247; June 23; Sp. p. 4173; Dr. p. 914; Gaz. vol. 134; p. 1817.
- Wagon-brake. W. C. Moors. No. 892,286; June 30; Sp. p. 6280; Dr. p. 1352; Gaz. vol. 134; p. 2192.
- Wagon-brake. G. H. Kanke. No. 896,391; Aug. 18; Sp. p. 3209; Dr. pp. 687-8; Gaz. vol. 135; p. 1467.
- Wagon-brake. W. P. Heath and J. H. Story. No. 896,910; Aug. 25; Sp. p. 4299; Dr. p. 919; Gaz. vol. 135; p. 1661.
- Wagon-brake. J. Wulf. No. 902,360; Oct. 27; Sp. p. 4802; Dr. pp. 969-70; Gaz. vol. 136; p. 1914.
- Wagon-brake. R. C. Pryor. No. 904,361; Nov. 17; Sp. p. 3745; Gaz. vol. 137; p. 666.
- Wagon brake and lock, Combined. C. T. Lyon and W. F. Skaggs. No. 905,896; Dec. 8; Sp. p. 1552; Gaz. vol. 137; p. 1267.
- Wagon-brake, Automatic. G. M. Olson. No. 878,229; Feb. 4; Sp. p. 690; Dr. p. 142; Gaz. vol. 132; p. 958.
- Wagon-brake, Automatic. C. Garver. No. 889,451; June 2; Sp. p. 519; Dr. p. 122; Gaz. vol. 134; p. 1142.
- Wagon brake, Hay-. O. Wooten. No. 894,562; July 28; Sp. p. 4563; Dr. pp. 945-6; Gaz. vol. 135; p. 797.
- Wagon-brake lever adjustment. J. H. Huddle. No. 907,053; Dec. 15; Sp. p. 3718; Gaz. vol. 137; p. 1662.
- Wagon-brake mechanism. E. G. Doland. No. 903,847; Nov. 17; Sp. p. 2645; Gaz. vol. 137; p. 491.
- Wagon, Child's velocipede-. A. Hamill. No. 904,062; Nov. 17; Sp. p. 3101; Gaz. vol. 137; p. 563.
- Wagon, Chute-. J. Campbell. No. 882,869; Mar. 24; Sp. p. 4738; Dr. p. 1007; Gaz. vol. 133; p. 873.
- Wagon, Coal-delivery. J. Campbell. No. 882,868; Mar. 24; Sp. p. 4736; Dr. p. 1007; Gaz. vol. 133; p. 873.
- Wagon-coupling. J. F. Morris. No. 905,736; Dec. 1; Sp. p. 1237; Gaz. vol. 137; p. 1184.
- Wagon, Dray-. G. R. McLeran. No. 901,252; Oct. 13; Sp. p. 2422; Dr. p. 497; Gaz. vol. 136; p. 1483.
- Wagon, Dump-. W. H. Hill and H. B. Wright. No. 877,338; Jan. 21; Sp. p. 3396; Dr. pp. 736-7; Gaz. vol. 132; p. 620.
- Wagon, Dump-. W. L. Collins. No. 877,884; Jan. 28; Sp. p. 4454; Dr. p. 972; Gaz. vol. 132; p. 817.
- Wagon, Dump-. J. Stifter. No. 878,907; Feb. 11; Sp. p. 2118; Dr. p. 442; Gaz. vol. 132; p. 1215.
- Wagon, Dump-. J. F. Hayes. No. 880,733; Mar. 3; Sp. p. 494; Dr. p. 103; Gaz. vol. 133; p. 85.
- Wagon, Dump-. G. A. Post. No. 887,225; May 12; Sp. p. 1771; Dr. pp. 372-3; Gaz. vol. 134; p. 318.
- Wagon, Dump-. H. F. Langreder. No. 887,404; May 12; Sp. p. 2201; Dr. p. 400; Gaz. vol. 134; p. 380.
- Wagon, Dump-. J. W. Haywood. No. 889,603; June 2; Sp. p. 813; Dr. p. 185; Gaz. vol. 134; p. 1190.
- Wagon, Dump-. D. Stafford. No. 891,963; June 30; Sp. p. 5676; Dr. p. 1222; Gaz. vol. 134; p. 2087.
- Wagon, Dump-. C. E. Glenn. No. 898,871; Sept. 15; Sp. p. 3248; Dr. p. 695; Gaz. vol. 136; p. 590.
- Wagon, Dump-. J. W. Haywood. No. 899,011; Sept. 15; Sp. p. 3492; Dr. p. 748; Gaz. vol. 136; p. 635.
- Wagon-dump. S. Guth. No. 889,303; June 2; Sp. p. 213; Dr. p. 54; Gaz. vol. 134; p. 1093.
- Wagon dump and elevator. F. Gahn. No. 905,170; Dec. 1; Sp. p. 91; Gaz. vol. 137; p. 998.
- Wagon-dumps, Automatic controller for. L. J. McMillin. No. 886,536; May 5; Sp. p. 381; Dr. p. 80; Gaz. vol. 134; p. 70.
- Wagon, Dumping-. J. Herberling. No. 875,908; Jan. 7; Sp. p. 439; Dr. pp. 97-8; Gaz. vol. 132; p. 79.
- Wagon, Dumping-. G. Durso. No. 877,180; Jan. 21; Sp. p. 3093; Dr. p. 669; Gaz. vol. 132; p. 568.
- Wagon, Dumping-. E. B. Symons. No. 878,687; Feb. 11; Sp. p. 1690; Dr. p. 350; Gaz. vol. 132; p. 1145.
- Wagon, Dumping-. J. H. Van Arsdale. No. 880,054; Feb. 25; Sp. p. 4483; Dr. p. 942; Gaz. vol. 132; p. 1662.
- Wagon, Dumping-. C. M. Haeske. No. 887,794; May 19; Sp. p. 2968; Dr. p. 624; Gaz. vol. 134; p. 538.
- Wagon, Dumping-. J. J. Enley. No. 888,793; May 26; Sp. p. 4972; Dr. p. 1062; Gaz. vol. 134; p. 896.
- Wagon, Dumping-. H. H. Walsh. No. 890,318; June 9; Sp. p. 2290; Dr. p. 504; Gaz. vol. 134; p. 1450.
- Wagon, Dumping-. J. W. Hobson. No. 894,003; July 21; Sp. p. 3393; Dr. p. 694; Gaz. vol. 135; p. 593.
- Wagon, Dumping-. W. O. Long. No. 896,404; Aug. 18; Sp. p. 3233; Dr. p. 693; Gaz. vol. 135; p. 1471.
- Wagon, Dumping-. C. H. Van Deusen. No. 898,533; Sept. 15; Sp. p. 2607; Dr. pp. 556-7; Gaz. vol. 136; p. 480.
- Wagon, Dumping-. A. N. Putney. No. 901,260; Oct. 13; Sp. p. 2447; Dr. p. 502; Gaz. vol. 136; p. 1486.
- Wagon, Dumping-. A. Maxwell. No. 904,793; Nov. 24; Sp. p. 4661; Gaz. vol. 137; p. 837.
- Wagon, Dumping-. G. B. Kilmer. No. 907,150; Dec. 22; Sp. p. 3931; Gaz. vol. 137; p. 1730.
- Wagon, Dumping-. H. W. Neal. No. 908,417; Dec. 29; Sp. p. 6602; Gaz. vol. 137; p. 2185.
- Wagon end-gate. H. M. Sheldon. No. 908,339; Dec. 29; Sp. p. 6438; Gaz. vol. 137; p. 2158.
- Wagon grain-board. E. M. Anderson. No. 880,493; Mar. 3; Sp. p. 5; Dr. p. 2; Gaz. vol. 133; p. 3.
- Wagon-hound. G. W. Sirrine. No. 884,225; Apr. 7; Sp. p. 1149; Dr. p. 242; Gaz. vol. 133; p. 1373.
- Wagon-jack. W. L. Preston. No. 883,344; Mar. 31; Sp. p. 5679; Dr. p. 1212; Gaz. vol. 133; p. 1058.
- Wagon, Motor-. A. Hoedt. No. 876,351; Jan. 14; Sp. p. 1318; Dr. p. 285; Gaz. vol. 132; p. 250.
- Wagon or car, Dumping. E. C. North, W. L. Knapp, and C. H. Bierbaum. No. 875,727; Jan. 7; Sp. p. 93; Dr. pp. 19-20; Gaz. vol. 132; p. 20.
- Wagon or other vehicle, Combination. T. Carroll. No. 882,743; Mar. 24; Sp. p. 4481; Dr. pp. 954-5; Gaz. vol. 133; p. 882.
- Wagon or truck. A. Smith. No. 886,734; May 5; Sp. p. 820; Dr. p. 169; Gaz. vol. 134; p. 136.
- Wagon-propeller. A. D. Austin. No. 892,495; July 7; Sp. p. 211; Dr. p. 44; Gaz. vol. 135; p. 39.
- Wagon-rack, Adjustable. G. B. Mills. No. 894,336; July 28; Sp. p. 4106; Dr. p. 847; Gaz. vol. 135; p. 723.
- Wagon rack, Farm-. J. F. Pokorney. No. 884,679; Apr. 14; Sp. p. 2081; Dr. p. 444; Gaz. vol. 133; p. 1550.
- Wagon-rack standard. L. P. Cook. No. 895,344; Aug. 4; Sp. p. 1141; Dr. p. 239; Gaz. vol. 135; p. 1084.
- Wagon racks and boxes, Fixture for. W. Loudon. No. 887,258; May 12; Sp. p. 1834; Dr. p. 387; Gaz. vol. 134; p. 328.
- Wagon-raiser. A. C. Housinger. No. 881,240; Mar. 10; Sp. p. 1495; Dr. p. 322; Gaz. vol. 133; p. 282.
- Wagon, Reversible dump-. C. A. Geiger, J. F. Eccard, and R. H. Sotherland, Jr. No. 903,185; Nov. 10; Sp. p. 1300; Gaz. vol. 137; p. 243.
- Wagon running-gear. S. K. Dennis. No. 883,301; Mar. 31; Sp. p. 5612; Dr. p. 1196; Gaz. vol. 133; p. 1045.
- Wagon running-gear, Dump-. M. J. Todd. No. 882,358; Mar. 17; Sp. p. 3738; Dr. p. 795; Gaz. vol. 133; p. 673.
- Wagon-seat. N. P. Rogers. No. 895,042; Aug. 4; Sp. p. 541; Dr. p. 110; Gaz. vol. 135; p. 983.
- Wagon-seat. P. J. Luthardt. No. 896,127; Aug. 18; Sp. p. 2682; Dr. p. 579; Gaz. vol. 135; p. 1382.
- Wagon-skid holder. J. B. Ratliff. No. 892,621; July 7; Sp. p. 435; Dr. p. 95; Gaz. vol. 135; p. 79.
- Wagon-springs, Device for the relief of. W. Maybach. No. 881,252; Mar. 10; Sp. p. 1519; Dr. pp. 326-7; Gaz. vol. 133; p. 286.
- Wagon-standard. A. H. Harshbarger. No. 891,215; June 16; Sp. p. 4095; Dr. p. 899; Gaz. vol. 134; p. 1774.
- Wagon-standard. R. E. Rawls. No. 893,544; July 14; Sp. p. 2353; Dr. p. 493; Gaz. vol. 135; p. 411.
- Wagon-standard. W. W. Mullen. No. 899,178; Sept. 22; Sp. p. 3832; Dr. p. 820; Gaz. vol. 136; p. 718.
- Wagon-top, Folding. L. D. Pangborn. No. 905,571; Dec. 1; Sp. p. 931; Gaz. vol. 137; p. 1132.
- Wagon-wheel. R. E. Jeffery. No. 880,307; Feb. 25; Sp. p. 4986; Dr. p. 1052; Gaz. vol. 132; p. 1746.
- Wagon-wheel. W. C. Brigham. No. 880,504; Mar. 3; Sp. p. 27; Dr. p. 7; Gaz. vol. 133; p. 8.
- Wagons, Automatic closing mechanism for dumping-. M. J. Ely. No. 891,413; June 23; Sp. p. 4525; Dr. p. 984; Gaz. vol. 134; p. 1872.
- Wagons, Device for loading and unloading racks from running-gears of. J. H. Abrams. No. 887,371; May 12; Sp. p. 2107; Dr. p. 442; Gaz. vol. 134; p. 369.
- Wagons, Water-tank attachment for. E. Stone. No. 889,270; June 2; Sp. p. 153; Dr. p. 37; Gaz. vol. 134; p. 1053.
- Waist. E. M. Shively. No. 897,165; Aug. 25; Sp. p. 4819; Dr. p. 1025; Gaz. vol. 135; p. 1745.
- Waist and skirt holder, Adjustable. E. Czarnowsky. No. 899,828; Sept. 29; Sp. p. 5141; Dr. p. 1100; Gaz. vol. 136; p. 965.
- Waist and skirt supporter, Combination. T. Kennell. No. 894,330; July 28; Sp. p. 4094; Dr. p. 846; Gaz. vol. 135; p. 721.
- Waist, Child's. K. M. Dowling. No. 898,449; Sept. 15; Sp. p. 2451; Dr. p. 524; Gaz. vol. 136; p. 454.
- Waist-lining, Form-fitting. H. J. Baer. No. 882,989; Mar. 24; Sp. p. 4967; Dr. p. 1057; Gaz. vol. 133; p. 913.
- Waist, Nursing-. I. G. Culver. No. 890,614; June 16; Sp. p. 2871; Dr. p. 632; Gaz. vol. 134; p. 1578.
- Waist, Nursing-. C. Rouff. No. 907,290; Dec. 22; Sp. p. 4235; Gaz. vol. 137; p. 1779.
- Waist, Skeleton. W. W. Bewise. No. 888,059; May 19; Sp. p. 3484; Dr. p. 729; Gaz. vol. 134; p. 625.
- Waistband. S. Lindy. No. 885,933; Apr. 28; Sp. p. 4669; Dr. p. 984; Gaz. vol. 133; p. 2018.
- Waistband and fly-front, Combined. F. M. Schmidt. No. 876,099; Jan. 7; Sp. p. 805; Dr. p. 172; Gaz. vol. 132; p. 137.
- Waistcoat. M. M. Henderson. No. 891,932; June 30; Sp. p. 5593; Dr. p. 1205; Gaz. vol. 134; p. 2076.
- Walking-beam truss-rod. E. W. Cokely. (Reissue.) No. 12,743; Jan. 28; Sp. p. 4492; Dr. p. 978; Gaz. vol. 132; p. 821.
- Wall and ceiling covering. T. Franke. No. 888,006; May 19; Sp. p. 3389; Gaz. vol. 134; p. 609.

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- Wall-bracket. G. F. Swortfiger. No. 887,358; May 12; Sp. p. 2083; Dr. p. 437; Gaz. vol. 134; p. 366.
 Wall-bracket, Electrical-conductor. L. Tinsley. No. 895,911; Aug. 11; Sp. p. 2262; Dr. p. 483; Gaz. vol. 135; p. 1291.
 Wall, Building-. J. S. Culley. No. 897,353; Sept. 1; Sp. p. 209; Dr. p. 44; Gaz. vol. 136; p. 32.
 Wall-constructing apparatus, Hollow-. H. A. Goddard. No. 895,255; Aug. 4; Sp. p. 972; Dr. p. 203; Gaz. vol. 135; p. 1055.
 Wall construction. S. C. Coyner. No. 891,596; June 23; Sp. p. 4890; Dr. p. 1053; Gaz. vol. 134; p. 1930.
 Wall-decorating machine. F. J. Guthel. No. 889,520; June 2; Sp. p. 664; Dr. p. 154; Gaz. vol. 134; p. 1163.
 Wall, Flexible. W. M. Fulton. No. 903,465; Nov. 10; Sp. p. 1856; Gaz. vol. 137; p. 336.
 Wall, Portable partition-. M. Bokor. No. 887,912; May 19; Sp. p. 3210; Dr. p. 675; Gaz. vol. 134; p. 578.
 Wall, Flexible corrugated. W. M. Fulton. No. 887,084; May 12; Sp. p. 1489; Dr. p. 316; Gaz. vol. 134; p. 274.
 Wall-mold. J. W. Holman. No. 878,000; Feb. 4; Sp. p. 208; Dr. p. 45; Gaz. vol. 132; p. 884.
 Wall, Partition-. W. J. Perkins. No. 905,096; Nov. 24; Sp. p. 5261; Gaz. vol. 137; p. 938.
 Wall-plug. F. L. Dykema. No. 903,459; Nov. 10; Sp. p. 1836; Gaz. vol. 137; p. 334.
 Wall-register. W. J. Owens. No. 884,678; Apr. 14; Sp. p. 2030; Dr. p. 444; Gaz. vol. 133; p. 1549.
 Wall-register. C. J. Andrae. No. 886,463; May 5; Sp. p. 242; Dr. pp. 50-1; Gaz. vol. 134; p. 45.
 Wall, Reinforced-. A. Z. Chiodo. No. 889,870; June 2; Sp. p. 1326; Dr. p. 303; Gaz. vol. 134; p. 1276.
 Wall, Retaining-. M. M. Upson. No. 905,771; Dec. 1; Sp. p. 1303; Gaz. vol. 137; p. 1196.
 Wall-socket base. S. E. Steele. No. 907,194; Dec. 22; Sp. p. 4024; Gaz. vol. 137; p. 1744.
 Wall-switch. J. H. Dale. No. 877,301; Jan. 21; Sp. p. 3331; Dr. p. 722; Gaz. vol. 132; p. 608.
 Wall-tie. J. Schirra and F. Weber. No. 887,018; May 5; Sp. p. 1349; Dr. p. 286; Gaz. vol. 134; p. 224.
 Wall-tie. J. H. Jackson. No. 900,377; Oct. 6; Sp. p. 646; Dr. p. 133; Gaz. vol. 136; p. 1173.
 Wall-tie. S. Priest, Jr. No. 903,000; Nov. 3; Sp. p. 947; Gaz. vol. 137; p. 156.
 Wall-tie. T. J. McDonald. No. 903,310; Dec. 29; Sp. p. 6368; Gaz. vol. 137; p. 2147.
 Walls, Building monolithic. H. H. Hahn. No. 882,196; Mar. 17; Sp. p. 3427; Dr. p. 728; Gaz. vol. 133; p. 620.
 Walls, Manufacture of intermediate. H. Hansen. No. 887,041; May 5; Sp. p. 1395; Dr. p. 296; Gaz. vol. 134; p. 232.
 Walls of building-blocks, Apparatus for laying. C. M. Maddox. No. 889,943; June 9; Sp. p. 1482; Dr. p. 336; Gaz. vol. 134; p. 1325.
 Wantage-gage. M. A. Rutenber. No. 896,761; Aug. 25; Sp. p. 3951; Dr. p. 851; Gaz. vol. 135; p. 1609.
 Wardrobe and disinfecting-cabinet, Combined. A. S. Hitchcock. No. 890,650; June 16; Sp. p. 2954; Dr. p. 647; Gaz. vol. 134; p. 1590.
 Wardrobe appliance, Combined. J. Morrison, Jr., and M. P. Benson. No. 881,818; Mar. 10; Sp. p. 2625; Dr. p. 563; Gaz. vol. 133; p. 468.
 Wardrobe-bureau. J. Bryant. No. 889,175; May 26; Sp. p. 5763; Dr. p. 1219; Gaz. vol. 134; p. 1021.
 Wardrobe, Collapsible. S. E. Blackstone. No. 890,554; June 9; Sp. p. 2720; Dr. pp. 601-2; Gaz. vol. 134; p. 1525.
 Wardrobe, Knockdown. N. Swanson. No. 896,671; Aug. 18; Sp. p. 3748; Dr. pp. 807-8; Gaz. vol. 135; p. 1556.
 Wardrobe or safe. A. L. Ellison. No. 881,673; Mar. 10; Sp. p. 2349; Dr. p. 509; Gaz. vol. 133; p. 422.
 Ware, Making seamless hollow. A. G. Lindenberg. No. 887,950; May 19; Sp. p. 3281; Dr. p. 689; Gaz. vol. 134; p. 591.
 Warehouse. A. N. Hadley. No. 898,465; Sept. 15; Sp. p. 2479; Dr. p. 530; Gaz. vol. 136; p. 459.
 Warp-beam flange. W. J. Monk. No. 900,294; Oct. 6; Sp. p. 478; Dr. pp. 98-9; Gaz. vol. 136; p. 1147.
 Warp-stop-motion detector. J. P. Webber. No. 890,738; June 16; Sp. p. 3151; Dr. p. 690; Gaz. vol. 134; p. 1619.
 Warp-stop-motion mechanism. W. C. Perry. No. 890,093; June 9; Sp. p. 1793; Dr. p. 397; Gaz. vol. 134; p. 1376.
 Warp stop-motions, Lint-remover for electrical. E. Champagne, Jr. No. 902,857; Nov. 3; Sp. p. 659; Gaz. vol. 137; p. 110.
 Warp-thread-detecting device. W. Gross. No. 887,475; May 12; Sp. p. 2338; Dr. p. 489; Gaz. vol. 134; p. 403.
 Warp-thread-detecting device. W. Gross. No. 898,357; Sept. 8; Sp. p. 2246; Dr. p. 479; Gaz. vol. 136; p. 390.
 Warp-threads in warp-twisting machines, Device for separating the ends of. G. Hiller. No. 880,215; Feb. 25; Sp. p. 4799; Dr. pp. 1016-18; Gaz. vol. 132; p. 1714.
 Warp-winding-machine guide. R. G. Campbell. No. 890,213; June 9; Sp. p. 2039; Dr. p. 449; Gaz. vol. 134; p. 1416.
 Warping-machine. G. L. Reed. No. 882,019; Mar. 17; Sp. p. 3092; Dr. p. 658; Gaz. vol. 133; p. 563.
 Warping-machines, Electric stop-motion for. F. Ott. No. 894,283; July 28; Sp. p. 3998; Dr. p. 825; Gaz. vol. 135; p. 705.
 Washer. See Bearing-washer; Bottle-washer; Can-washer; Clothes-washer; Coal-washer; Coal and ore washer; Dish-washer; Fire-hose washer; Gas-washer; Lock-washer; Nut-lock washer; Split washer; Trolley-harp washer; Tumbler-washer; Vehicle-washer; Wheel-washer; Window-washer.
 Washer. C. G. Ette. No. 888,982; May 26; Sp. p. 5367; Dr. p. 1439; Gaz. vol. 134; p. 958.
 Washer. R. W. Guilford. No. 903,187; Nov. 10; Sp. p. 1304; Gaz. vol. 137; p. 244.
 Washer. F. A. Lange. No. 903,991; Nov. 17; Sp. p. 2955; Gaz. vol. 137; p. 539.
 Washer-making machine. H. C. Hart. No. 887,630; May 12; Sp. p. 2637; Dr. p. 555; Gaz. vol. 134; p. 454.
 Washing apparatus. M. Leitch. No. 878,544; Feb. 11; Sp. p. 1386; Dr. p. 285; Gaz. vol. 132; p. 1097.
 Washing apparatus. H. H. Sheard. No. 887,970; May 19; Sp. p. 3315; Dr. p. 697; Gaz. vol. 134; p. 597.
 Washing apparatus. F. Stocker. No. 888,766; May 26; Sp. p. 4898; Dr. p. 1043; Gaz. vol. 134; p. 887.
 Washing apparatus. C. M. Harrison and E. C. Arnold. No. 890,642; June 16; Sp. p. 2941; Dr. p. 644; Gaz. vol. 134; p. 1588.
 Washing apparatus, Clothes-. M. J. Baker. No. 901,313; Oct. 20; Sp. p. 2575; Dr. p. 530; Gaz. vol. 136; p. 1539.
 Washing device, Compressed-air. J. A. Vance. No. 898,612; Sept. 15; Sp. p. 2762; Dr. p. 590; Gaz. vol. 136; p. 506.
 Washing drinking-glasses, Machine for. W. A. H. Cameron and J. W. Marshall. No. 881,898; Mar. 17; Sp. p. 2828; Dr. p. 604; Gaz. vol. 133; p. 524.
 Washing-machine. J. T. H. Paul. No. 876,656; Jan. 14; Sp. p. 2009; Dr. pp. 437-8; Gaz. vol. 132; p. 356.
 Washing-machine. E. M. Lacey. No. 877,094; Jan. 21; Sp. p. 2899; Dr. p. 627; Gaz. vol. 132; p. 539.
 Washing-machine. J. M. Hatfield and O. Bass. No. 877,503; Jan. 28; Sp. p. 3732; Dr. p. 807; Gaz. vol. 132; p. 695.
 Washing-machine. J. F. J. S., Jr., and A. L. Bennington. No. 877,627; Jan. 28; Sp. p. 3993; Dr. pp. 862-3; Gaz. vol. 132; p. 736.
 Washing-machine. D. A. Sawyers. No. 878,427; Feb. 4; Sp. p. 1068; Dr. p. 217; Gaz. vol. 132; p. 1024.
 Washing-machine. H. G. Batt. No. 878,495; Feb. 11; Sp. p. 1236; Dr. p. 256; Gaz. vol. 132; p. 1081.
 Washing-machine. J. W. Ayers. No. 880,349; Feb. 25; Sp. p. 5058; Dr. p. 1068; Gaz. vol. 132; p. 1759.
 Washing-machine. C. A. Dodge. No. 881,382; Mar. 10; Sp. p. 1785; Dr. p. 385; Gaz. vol. 133; p. 328.
 Washing-machine. O. R. Beier. No. 883,776; Apr. 7; Sp. p. 185; Dr. p. 34; Gaz. vol. 133; p. 1223.
 Washing-machine. C. E. Bean. No. 884,064; Apr. 7; Sp. p. 794; Dr. p. 167; Gaz. vol. 133; p. 1320.
 Washing-machine. S. F. O'Connor. No. 884,946; Apr. 14; Sp. p. 2614; Dr. p. 551; Gaz. vol. 133; p. 1635.
 Washing-machine. E. Roberts. No. 885,956; Apr. 28; Sp. p. 4725; Dr. p. 993; Gaz. vol. 133; p. 2027.
 Washing-machine. M. A. Patten. No. 886,243; Apr. 28; Sp. p. 5266; Dr. p. 1109; Gaz. vol. 133; p. 2119.
 Washing-machine. C. Vieman. No. 886,745; May 5; Sp. p. 846; Dr. p. 175; Gaz. vol. 134; p. 140.
 Washing-machine. A. T. Newman. No. 886,845; May 5; Sp. p. 1029; Dr. p. 216; Gaz. vol. 134; p. 16.
 Washing-machine. W. F. Blake. No. 887,457; May 12; Sp. p. 2291; Dr. p. 481; Gaz. vol. 134; p. 397.
 Washing-machine. F. W. Kranz. No. 887,481; May 12; Sp. p. 2356; Dr. p. 495; Gaz. vol. 134; p. 435.
 Washing-machine. W. D. Whitney. No. 889,166; May 26; Sp. p. 5747; Dr. p. 1216; Gaz. vol. 134; p. 1018.
 Washing-machine. M. M. Horne. No. 889,233; June 2; Sp. p. 84; Dr. p. 19; Gaz. vol. 134; p. 1071.
 Washing-machine. J. T. Burkhard. No. 889,657; June 2; Sp. p. 905; Dr. p. 210; Gaz. vol. 134; p. 1207.
 Washing-machine. W. S. Hamilton and J. R. Williams. No. 889,924; June 9; Sp. p. 1448; Dr. p. 327; Gaz. vol. 134; p. 1318.
 Washing-machine. J. Huebner. No. 889,930; June 9; Sp. p. 1456; Dr. p. 329; Gaz. vol. 134; p. 1320.
 Washing-machine. E. Eisemann. No. 890,505; June 9; Sp. p. 2628; Dr. pp. 581-2; Gaz. vol. 134; p. 1509.
 Washing-machine. A. A. and D. D. Rullan. No. 890,714; June 16; Sp. p. 3094; Dr. p. 679; Gaz. vol. 134; p. 1611.
 Washing-machine. R. Woerner. No. 891,757; June 23; Sp. p. 5223; Dr. p. 1131; Gaz. vol. 134; p. 1986.
 Washing-machine. T. J. Winans. No. 891,788; June 23; Sp. p. 5289; Dr. p. 1145; Gaz. vol. 134; p. 1998.
 Washing-machine. C. C. McCarty. No. 893,088; July 14; Sp. p. 1412; Dr. pp. 298-9; Gaz. vol. 135; p. 262.
 Washing-machine. S. Toney. No. 895,059; Aug. 4; Sp. p. 567; Dr. p. 117; Gaz. vol. 135; p. 988.
 Washing-machine. R. Miller. No. 896,563; Aug. 18; Sp. p. 3552; Dr. p. 763; Gaz. vol. 135; p. 1524.
 Washing-machine. O. C. Sørensen. No. 899,918; Sept. 29; Sp. p. 5319; Dr. p. 1137; Gaz. vol. 136; p. 993.
 Washing-machine. W. F. Blake. No. 900,258; Oct. 6; Sp. p. 377; Dr. p. 78; Gaz. vol. 136; p. 1134.
 Washing-machine. W. D. Whitney. No. 900,333; Oct. 6; Sp. p. 552; Dr. pp. 114-15; Gaz. vol. 136; p. 1159.
 Washing-machine. J. C. Flowers. No. 900,505; Oct. 6; Sp. p. 939; Dr. p. 191; Gaz. vol. 136; p. 1215.
 Washing-machine. W. D. Whitney. No. 900,809; Oct. 13; Sp. p. 1533; Dr. p. 320; Gaz. vol. 136; p. 1343.
 Washing-machine. W. D. Whitney. No. 901,051; Oct. 13; Sp. p. 2037; Dr. pp. 420-1; Gaz. vol. 136; p. 1420.
 Washing-machine. D. McMannama. No. 901,817; Oct. 20; Sp. p. 3677; Dr. p. 747; Gaz. vol. 136; p. 1707.
 Washing-machine. J. Becker. No. 902,467; Oct. 27; Sp. p. 5026; Dr. p. 1018; Gaz. vol. 136; p. 1948.
 Washing-machine. A. A. Day. No. 902,718; Nov. 3; Sp. p. 374; Gaz. vol. 137; p. 64.
 Washing-machine. W. S. Nicolson. No. 906,816; Dec. 15; Sp. p. 3282; Gaz. vol. 137; p. 1589.
 Washing-machine. W. F. Coster. No. 907,766; Dec. 29; Sp. p. 5241; Gaz. vol. 137; p. 1966.
 Washing-machine. W. D. Whitney. No. 908,057; Dec. 29; Sp. p. 5830; Gaz. vol. 137; p. 2061.
 Washing-machine actuating mechanism. J. Edens. No. 897,074; Aug. 25; Sp. p. 4645; Dr. p. 989; Gaz. vol. 135; p. 1716.
 Washing-machine agitator. J. S. James. No. 900,547; Oct. 6; Sp. p. 1024; Dr. p. 208; Gaz. vol. 136; p. 1230.

Alphabetical list of inventions—Continued.

- Washing-machine bearing. J. H. Knoll. No. 905,711; Dec. 1; Sp. p. 1181; Gaz. vol. 137; p. 1175.
 Washing-machine, Boiler. J. W. Seifert. No. 880,334; Feb. 25; Sp. p. 5032; Dr. p. 1061; Gaz. vol. 132; p. 1754.
 Washing-machine, Circulating. W. Bartholomew. No. 888,576; May 26; Sp. p. 4509; Dr. p. 956; Gaz. vol. 134; p. 826.
 Washing-machine, Clothes-. L. M. Adams. No. 886,168; Apr. 28; Sp. p. 5138; Dr. p. 1080; Gaz. vol. 133; p. 2093.
 Washing-machine cylinder. C. Jensen. No. 899,988; Sept. 29; Sp. p. 5486; Dr. p. 1168; Gaz. vol. 136; p. 1016.
 Washing-machine driving mechanism. J. C. Peters. No. 875,732; Jan. 7; Sp. p. 105; Dr. pp. 22-3; Gaz. vol. 132; p. 22.
 Washing-machine gearing. H. H. Munson. No. 877,106; Jan. 21; Sp. p. 2922; Dr. p. 632; Gaz. vol. 132; p. 543.
 Washing-machine gearing. H. L. Staley. No. 880,250; Feb. 25; Sp. p. 4876; Dr. p. 1031; Gaz. vol. 132; p. 1727.
 Washing-machine gearing. H. Brammer. No. 882,619; Mar. 24; Sp. p. 4235; Dr. p. 897; Gaz. vol. 133; p. 792.
 Washing-machine gearing. A. F. Victor. No. 887,022; May 5; Sp. p. 1356; Dr. p. 288; Gaz. vol. 134; p. 225.
 Washing-machine gearing. L. W. Mammen. No. 887,825; May 19; Sp. p. 3036; Dr. p. 638; Gaz. vol. 134; p. 549.
 Washing-machine gearing. A. B. Christensen. No. 891,794; June 23; Sp. p. 5305; Dr. p. 1148; Gaz. vol. 134; p. 2000.
 Washing-machine gearing. A. F. Victor. No. 895,518; Aug. 11; Sp. p. 1492; Dr. p. 315; Gaz. vol. 135; p. 1165.
 Washing-machine gearing. A. Plagman. No. 893,585; Aug. 11; Sp. p. 1620; Dr. p. 341; Gaz. vol. 135; p. 1186.
 Washing-machine gearing. A. F. Victor. No. 896,960; Aug. 25; Sp. p. 4415; Dr. p. 943; Gaz. vol. 135; p. 1677.
 Washing-machine gearing. B. L. Schmidt. No. 902,174; Oct. 27; Sp. p. 4400; Dr. p. 892; Gaz. vol. 136; p. 1852.
 Washing-machine gearing. W. Sweet. No. 906,334; Dec. 8; Sp. p. 2394; Gaz. vol. 137; p. 1410.
 Washing-machine, Laundry. E. Lommatzsch. No. 896,125; Aug. 18; Sp. p. 2679; Dr. p. 578; Gaz. vol. 135; p. 1381.
 Washing-machine operating mechanism. J. E. Rempe. No. 895,041; Aug. 4; Sp. p. 539; Dr. p. 110; Gaz. vol. 135; p. 983.
 Washing-machine operating mechanism. R. C. Otis and W. W. Gundrum. No. 898,132; Sept. 8; Sp. p. 1840; Dr. p. 391; Gaz. vol. 136; p. 320.
 Washing-machine, Spring. J. W. Kennedy. No. 877,087; Jan. 21; Sp. p. 2880; Dr. p. 622; Gaz. vol. 132; p. 537.
 Washing-machine support. F. M. Sinclair. No. 893,879; July 21; Sp. p. 3132; Dr. p. 643; Gaz. vol. 135; p. 551.
 Washing-machine tubs, Wringer box or tray for. W. H. Voss. No. 905,028; Nov. 24; Sp. p. 5141; Gaz. vol. 137; p. 916.
 Washing-machines, Cover-fastening means for use on. P. A. Folk. No. 896,525; Aug. 18; Sp. p. 3488; Dr. p. 749; Gaz. vol. 135; p. 1512.
 Washing-machines, Mechanical movement for. W. H. Voss. No. 892,337; June 30; Sp. p. 6372; Dr. p. 1374; Gaz. vol. 134; p. 2208.
 Washing-machines, Mechanical movement for. W. H. Voss. No. 897,432; Sept. 1; Sp. p. 397; Dr. p. 85; Gaz. vol. 136; p. 62.
 Washing-machines, Mechanical movement for. G. W. Brewer and J. K. Gibson. No. 899,025; Sept. 22; Sp. p. 3532; Dr. p. 756; Gaz. vol. 136; p. 667.
 Washing-machines, Mechanical movement for operating. W. H. Voss. No. 905,253; Dec. 1; Sp. p. 254; Gaz. vol. 137; p. 1027.
 Washing-machines, Operating-gear mechanism for. J. Edens. No. 893,907; July 21; Sp. p. 3191; Dr. pp. 656-7; Gaz. vol. 135; p. 561.
 Washing-machines, Water-motor for. J. Wagner and A. Strnad. No. 897,433; Sept. 1; Sp. p. 400; Dr. p. 85; Gaz. vol. 136; p. 62.
 Washing or scouring machine. F. L. Furbush. No. 891,922; June 30; Sp. p. 5577; Dr. p. 1201; Gaz. vol. 134; p. 2073.
 Washing sheet material, Machine for. C. E. Moss. No. 899,424; Sept. 22; Sp. p. 4290; Dr. p. 921; Gaz. vol. 136; p. 795.
 Washbasin. T. C. Colton. No. 892,366; June 30; Sp. p. 6426; Dr. p. 1387; Gaz. vol. 134; p. 2217.
 Washbasin. F. T. Meyer. No. 903,216; Nov. 10; Sp. p. 1370; Gaz. vol. 137; p. 254.
 Washbasin, Folding. J. G. Bailey. No. 906,992; Dec. 15; Sp. p. 3612; Gaz. vol. 137; p. 1642.
 Washboard. J. H. Jones. No. 876,906; Jan. 14; Sp. p. 2473; Dr. p. 540; Gaz. vol. 132; p. 436.
 Washboard. E. A. Clark. No. 877,048; Jan. 21; Sp. p. 2816; Dr. p. 609; Gaz. vol. 132; p. 525.
 Washboard. A. G. De Waldo. No. 878,782; Feb. 11; Sp. p. 1833; Dr. p. 388; Gaz. vol. 132; p. 1176.
 Washboard. H. J. Gilbert. No. 878,947; Feb. 11; Sp. p. 2183; Dr. p. 458; Gaz. vol. 132; p. 1227.
 Washboard. H. J. Gilbert. No. 885,605; Apr. 21; Sp. p. 3970; Dr. p. 828; Gaz. vol. 133; p. 1879.
 Washboard. G. B. Lutomski. No. 886,829; May 5; Sp. p. 1006; Dr. p. 211; Gaz. vol. 134; p. 165.
 Washboard. G. Mittinger, Jr. No. 887,412; May 12; Sp. p. 2214; Dr. p. 463; Gaz. vol. 134; p. 382.
 Washboard. J. F. Wood. No. 903,427; Nov. 10; Sp. p. 1774; Gaz. vol. 137; p. 323.
 Washboard. L. E. Benson. No. 903,950; Nov. 17; Sp. p. 2882; Gaz. vol. 137; p. 526.
 Washboard. S. F. O'Connor. No. 904,355; Nov. 17; Sp. p. 3738; Gaz. vol. 137; p. 665.
 Washboard. L. H. Percy. No. 906,270; Dec. 8; Sp. p. 2266; Gaz. vol. 137; p. 1389.
 Washboard. H. C. Hornung. No. 907,238; Dec. 22; Sp. p. 4127; Gaz. vol. 137; p. 1760.
 Washboard and clothes-pounder, Combined. A. S. Wadsworth. No. 889,994; June 9; Sp. p. 1597; Dr. p. 358; Gaz. vol. 134; p. 1342.
 Washboard for washing-machines, Flexible. C. Case. No. 894,313; July 28; Sp. p. 4061; Dr. pp. 838-9; Gaz. vol. 135; p. 746.
 Washboard or attachment thereto. F. G. Philpott. No. 890,923; June 16; Sp. p. 3510; Dr. p. 769; Gaz. vol. 134; p. 1679.
 Washboard, Renewable-front. W. G. Frost. No. 879,761; Feb. 18; Sp. p. 3841; Dr. p. 805; Gaz. vol. 132; p. 1532.
 Washboard, Renewable-front. W. G. Frost. No. 888,155; May 19; Sp. p. 3665; Dr. p. 766; Gaz. vol. 134; p. 655.
 Washboards, Soap-holder for. V. B. Adams and G. J. Schaller. No. 901,768; Oct. 20; Sp. p. 3582; Dr. p. 725; Gaz. vol. 136; p. 1692.
 Washboiler. I. B. Parsons. No. 881,335; Mar. 10; Sp. p. 1679; Dr. p. 362; Gaz. vol. 133; p. 313.
 Washboiler. M. A. Morton. No. 886,234; Apr. 28; Sp. p. 5252; Dr. p. 1107; Gaz. vol. 133; p. 2115.
 Washboiler. W. W. Wilson. No. 892,922; July 7; Sp. p. 1073; Dr. p. 225; Gaz. vol. 135; p. 178.
 Washboiler attachment. W. F. Fessler. No. 904,191; Nov. 17; Sp. p. 3389; Gaz. vol. 137; p. 610.
 Washboilers and like articles, Cover for. W. Gray. No. 893,484; July 14; Sp. p. 2224; Dr. p. 467; Gaz. vol. 135; p. 391.
 Washbowl-stopper. A. Martin. No. 891,804; June 23; Sp. p. 5326; Dr. p. 1153; Gaz. vol. 134; p. 2003.
 Washline-hanger. F. Ottusch. No. 882,121; Mar. 17; Sp. p. 3274; Dr. p. 698; Gaz. vol. 133; p. 596.
 Washline-hanger. H. Gillar. No. 907,777; Dec. 29; Sp. p. 5257; Gaz. vol. 137; p. 1970.
 Washstand. E. P. Howe. No. 892,523; July 7; Sp. p. 261; Dr. pp. 55-6; Gaz. vol. 135; p. 48.
 Washstand, Folding. E. F. Tilley. No. 907,423; Dec. 22; Sp. p. 4492; Gaz. vol. 137; p. 1823.
 Washtub. W. L. Bogle. No. 898,087; Sept. 8; Sp. p. 1748; Dr. p. 372; Gaz. vol. 136; p. 306.
 Washtub-cover, Metallic. W. H. Ramsdell. No. 885,707; Apr. 21; Sp. p. 4180; Dr. p. 875; Gaz. vol. 133; p. 1912.
 Washtub, Metallic. M. E. Gray. No. 893,321; July 14; Sp. p. 1878; Dr. p. 393; Gaz. vol. 135; p. 338.
 Waste-cleaning apparatus. J. R. McDonald and S. G. Miller. No. 876,576; Jan. 14; Sp. p. 1823; Dr. p. 398; Gaz. vol. 132; p. 328.
 Waste, Mechanical. G. H. Burleigh. No. 892,646; July 7; Sp. p. 491; Dr. p. 105; Gaz. vol. 135; p. 88.
 Waste, Mechanical. G. H. Burleigh. No. 903,836; Nov. 17; Sp. p. 2618; Gaz. vol. 137; p. 486.
 Waste overflow and trap. J. R. Williams. No. 907,211; Dec. 22; Sp. p. 4066; Gaz. vol. 137; p. 1750.
 Waste waters containing cyanids and sulfoeyanids from poison, Freeing. P. Goldberg. No. 897,735; Sept. 1; Sp. p. 999; Dr. p. 212; Gaz. vol. 136; p. 161.
 Watch. W. E. Porter. No. 881,440; Mar. 10; Sp. p. 1889; Dr. p. 411; Gaz. vol. 133; p. 345.
 Watch. J. T. Pendlebury. No. 899,897; Sept. 29; Sp. p. 5284; Dr. p. 1130; Gaz. vol. 136; p. 987.
 Watch and clock movements, Time-strike for. C. H. J. Stricker and E. Meyer. No. 884,686; Apr. 14; Sp. p. 2092; Dr. p. 447; Gaz. vol. 133; p. 1552.
 Watch balance-wheel. J. Porúba. No. 884,852; Apr. 14; Sp. p. 2443; Dr. p. 513; Gaz. vol. 133; p. 1608.
 Watch-barrel. L. A. Faller. No. 878,716; Feb. 11; Sp. p. 1755; Dr. p. 363; Gaz. vol. 132; p. 1154.
 Watch-barrel. L. A. Faller. No. 886,196; Apr. 28; Sp. p. 5189; Dr. p. 1092; Gaz. vol. 133; p. 2104.
 Watch-barrel. W. B. Mehl. No. 886,387; May 5; Sp. p. 90; Dr. pp. 18-19; Gaz. vol. 134; p. 20.
 Watch-bezel. G. G. Lloyd. No. 880,897; Mar. 3; Sp. p. 841; Dr. p. 179; Gaz. vol. 133; p. 142.
 Watch-bow. C. L. Depollier. No. 890,343; June 9; Sp. p. 2331; Dr. p. 514; Gaz. vol. 134; p. 1458.
 Watch-bow. C. W. von Tiedemann. No. 906,965; Dec. 15; Sp. p. 3566; Gaz. vol. 137; p. 1635.
 Watch-bow. H. Ginnel. No. 907,779; Dec. 29; Sp. p. 5260; Gaz. vol. 137; p. 1970.
 Watch, Chatelaine brooch-. C. L. Depollier. No. 890,501; June 9; Sp. p. 2620; Dr. p. 581; Gaz. vol. 134; p. 1508.
 Watch, Chatelaine brooch-. C. L. Depollier. No. 896,441; Aug. 18; Sp. p. 3308; Dr. p. 711; Gaz. vol. 135; p. 1484.
 Watch-fob. C. L. Hille. No. 878,800; Feb. 11; Sp. p. 1921; Dr. p. 396; Gaz. vol. 132; p. 1181.
 Watch-guard. H. N. Bolton. No. 885,975; Apr. 28; Sp. p. 4760; Dr. p. 1000; Gaz. vol. 133; p. 2033.
 Watch-holding device. F. Lindner. No. 890,145; June 9; Sp. p. 1903; Dr. p. 421; Gaz. vol. 134; p. 1393.
 Watch-movement. W. B. Mehl. No. 900,183; Oct. 6; Sp. p. 235; Dr. p. 47; Gaz. vol. 136; p. 11.
 Watch-movement. G. Nutting. No. 907,170; Dec. 22; Sp. p. 3959; Gaz. vol. 137; p. 1736.
 Watch-movement fastener. C. Kummer. No. 887,819; May 19; Sp. p. 3020; Dr. p. 635; Gaz. vol. 134; p. 547.
 Watch-movements, Ring-band for. C. Funk. No. 892,147; June 30; Sp. p. 6015; Dr. p. 1292; Gaz. vol. 134; p. 2145.
 Watch-pocket, Safety. M. E. Brown. No. 897,058; Aug. 25; Sp. p. 4625; Dr. p. 984; Gaz. vol. 135; p. 1711.
 Watch-regulator. F. W. Buckingham. No. 898,962; Sept. 15; Sp. p. 3404; Dr. p. 731; Gaz. vol. 136; p. 620.
 Watch-regulator. J. J. Wiens. No. 902,034; Oct. 27; Sp. p. 4122; Dr. p. 835; Gaz. vol. 136; p. 1807.
 Watch-retainer. C. L. H. Wagner. No. 903,247; Nov. 10; Sp. p. 1430; Gaz. vol. 137; p. 264.
 Waste-saving device. J. H. and G. A. Crowther. No. 898,330; Sept. 8; Sp. p. 2201; Dr. p. 467; Gaz. vol. 136; p. 381.
 Watch setting mechanism. M. Spieder. No. 879,208; Feb. 18; Sp. p. 2705; Dr. p. 564; Gaz. vol. 132; p. 1351.
 Watch, Stem-winding. R. Manthey. No. 878,220; Feb. 4; Sp. p. 672; Dr. pp. 138-9; Gaz. vol. 132; p. 955.

Alphabetical list of inventions—Continued.

- Watch, Stem winding and setting. W. E. Porter. No. 904,989; Nov. 24; Sp. p. 5060; Gaz. vol. 137; p. 902.
 Watch, Stop-. G. Klumak. No. 894,666; July 28; Sp. p. 4765; Dr. p. 989; Gaz. vol. 135; p. 831.
 Watch, Stop-. S. Fischer. No. 906,212; Dec. 8; Sp. p. 2154; Gaz. vol. 137; p. 1369.
 Watch-support. L. D. Crossett. No. 903,545; Nov. 10; Sp. p. 2028; Gaz. vol. 137; p. 363.
 Watch winding and setting mechanism. H. Sandoz. No. 883,427; Mar. 31; Sp. p. 5886; Dr. p. 1255; Gaz. vol. 133; p. 1086.
 Watches and clocks, Electrical apparatus for timing. W. E. Porter. No. 906,927; Dec. 15; Sp. p. 3502; Gaz. vol. 137; p. 1624.
 Watches, clocks, and the like, Movement-plate for. W. E. Porter. No. 891,097; June 16; Sp. p. 3862; Dr. p. 844; Gaz. vol. 134; p. 1736.
 Watches, clocks, and the like, Producing movement-plates for. W. E. Porter. No. 902,322; Oct. 27; Sp. p. 4715; Dr. p. 954; Gaz. vol. 136; p. 1901.
 Watches, Pocket attachment for. F. Krawczyk. No. 881,415; Mar. 10; Sp. p. 1841; Dr. p. 399; Gaz. vol. 133; p. 337.
 Watches, Roller for. J. Schoop. No. 901,487; Oct. 20; Sp. p. 2993; Dr. p. 610; Gaz. vol. 136; p. 1600.
 Watches, Washer for case-screws for. C. E. Cashmore. No. 894,314; July 28; Sp. p. 4062; Dr. p. 839; Gaz. vol. 135; p. 716.
 Watchcase. W. H. Fitz Gerald. No. 885,149; Apr. 21; Sp. p. 3048; Dr. p. 641; Gaz. vol. 133; p. 1734.
 Watchcase. W. J. Gardiner. No. 889,364; June 2; Sp. p. 338; Dr. p. 79; Gaz. vol. 134; p. 1112.
 Watchcase. J. M. Biggs. No. 892,642; July 7; Sp. p. 486; Dr. p. 103; Gaz. vol. 134; p. 87.
 Watchcase. W. H. Fitz Gerald. No. 896,633; Aug. 18; Sp. p. 3673; Dr. pp. 788-9; Gaz. vol. 135; p. 1545.
 Watchcase. F. Jacobson. No. 908,103; Dec. 29; Sp. p. 5929; Gaz. vol. 137; p. 2076.
 Watchcase-pendant, Dust-proof. M. Rosenhaft. No. 902,112; Oct. 27; Sp. p. 4274; Dr. p. 866; Gaz. vol. 136; p. 1832.
 Watchcases, Swivel-pendant for. W. E. Porter. No. 893,262; July 14; Sp. p. 1771; Dr. p. 372; Gaz. vol. 135; p. 319.
 Watchmaker's tool. R. Caplan. No. 902,939; Nov. 3; Sp. p. 820; Gaz. vol. 137; p. 136.
 Water alarm, Shoal-. P. McCarthy. No. 906,649; Dec. 15; Sp. p. 2963; Gaz. vol. 137; p. 1535.
 Water and sewage, Purifying. A. E. Woolf. No. 892,486; July 7; Sp. p. 181; Dr. p. 38; Gaz. vol. 135; p. 35.
 Water and steam and for extracting oil and grease, Apparatus for purifying. A. E. Krause. No. 881,082; Mar. 3; Sp. p. 1175; Dr. pp. 253-5; Gaz. vol. 133; p. 200.
 Water and steam separator, Condensed-. J. E. Purser. No. 883,825; Apr. 7; Sp. p. 306; Dr. pp. 57-8; Gaz. vol. 133; p. 1241.
 Water, Apparatus for separating foreign substances from. V. Antoine. No. 883,608; Mar. 31; Sp. p. 6236; Dr. p. 1330; Gaz. vol. 133; p. 1142.
 Water, Apparatus for the chemical treatment of. A. Potter. No. 886,068; Apr. 28; Sp. p. 4950; Dr. pp. 1040-1; Gaz. vol. 133; p. 2062.
 Water, Apparatus for the treatment of refractory. J. Schneible. No. 902,766; Nov. 3; Sp. p. 457; Gaz. vol. 137; p. 79.
 Water-closet. J. A. McAvity. No. 877,514; Jan. 28; Sp. p. 3752; Dr. p. 813; Gaz. vol. 132; p. 699.
 Water-closet. J. A. Stevenson and L. O. Phillips. No. 879,421; Feb. 18; Sp. p. 3143; Dr. p. 654; Gaz. vol. 132; p. 1422.
 Water-closet. C. H. Rollins. No. 887,850; May 19; Sp. p. 3089; Dr. p. 648; Gaz. vol. 134; p. 557.
 Water-closet. A. M. Morrison. No. 888,636; May 26; Sp. p. 4634; Dr. p. 983; Gaz. vol. 134; p. 846.
 Water-closet. P. Haas. No. 894,734; July 28; Sp. p. 4883; Dr. pp. 1016-17; Gaz. vol. 135; p. 852.
 Water-closet. N. B. Griffith. No. 900,071; Sept. 29; Sp. p. 5676; Dr. p. 1212; Gaz. vol. 136; p. 1043.
 Water-closet. H. W. Charlton. No. 900,831; Oct. 13; Sp. p. 1627; Dr. p. 329; Gaz. vol. 136; p. 1350.
 Water-closet. G. M. Depew. No. 901,525; Oct. 20; Sp. p. 3068; Dr. p. 627; Gaz. vol. 136; p. 1613.
 Water-closet. E. G. Watrous. No. 901,572; Oct. 20; Sp. p. 3154; Dr. p. 644; Gaz. vol. 136; p. 1627.
 Water-closet. F. O. Hilfiker. No. 902,295; Oct. 27; Sp. p. 4649; Dr. p. 944; Gaz. vol. 136; p. 1894.
 Water-closet. J. W. Kelly. No. 905,539; Dec. 1; Sp. p. 871; Gaz. vol. 137; p. 1122.
 Water-closet. F. W. McAuliffe. No. 906,053; Dec. 8; Sp. p. 1843; Gaz. vol. 137; p. 1317.
 Water-closet. F. J. Torrance. No. 906,470; Dec. 8; Sp. p. 2627; Gaz. vol. 137; p. 1452.
 Water-closet. H. S. Rumsey. No. 907,409; Dec. 22; Sp. p. 4451; Gaz. vol. 137; p. 1818.
 Water-closet apparatus. W. U. Griffiths. No. 901,438; Oct. 20; Sp. p. 2869; Dr. p. 586; Gaz. vol. 136; p. 1583.
 Water-closet ball-valve. T. F. Payne. No. 901,466; Oct. 20; Sp. p. 2937; Dr. p. 599; Gaz. vol. 136; p. 1593.
 Water-closet bowl. C. H. Rollins. No. 904,896; Nov. 24; Sp. p. 4582; Gaz. vol. 137; p. 872.
 Water-closet bowls, &c., Temporary closure device for. H. A. W. Spencer. No. 906,077; Dec. 8; Sp. p. 1892; Gaz. vol. 137; p. 1324.
 Water-closet cistern. J. R. Hall. No. 881,680; Mar. 10; Sp. p. 2359; Dr. p. 511; Gaz. vol. 133; p. 424.
 Water-closet connection. E. J. Rice. No. 900,594; Oct. 6; Sp. p. 1114; Dr. p. 228; Gaz. vol. 136; p. 1244.
 Water-closet floor connection. J. W. Lyons. No. 883,896; Apr. 7; Sp. p. 461; Dr. p. 90; Gaz. vol. 133; p. 1265.
 Water-closet flushing apparatus. F. C. Nickel. No. 901,185; Oct. 13; Sp. p. 2304; Dr. p. 472; Gaz. vol. 136; p. 1462.
 Water-closet flushing apparatus. C. Hammer. No. 904,477; Nov. 17; Sp. p. 3974; Gaz. vol. 137; p. 705.
 Water-closet flushing device. L. D. Lawnin. No. 900,176; Oct. 6; Sp. p. 223; Dr. p. 45; Gaz. vol. 136; p. 1108.
 Water-closet flushing-tank. C. and E. G. Pfau. No. 895,677; Aug. 11; Sp. p. 1800; Dr. pp. 383-4; Gaz. vol. 135; p. 1216.
 Water-closet flushing-tanks, Escape-valve for. C. and E. G. Pfau. No. 883,047; Mar. 24; Sp. p. 5076; Dr. p. 1083; Gaz. vol. 133; p. 931.
 Water-closet flushing-tanks, Escape-valve for. C. Pfau. No. 895,676; Aug. 11; Sp. p. 1798; Dr. p. 383; Gaz. vol. 135; p. 1215.
 Water-closet flushing-valve. W. Turnbull. No. 878,166; Feb. 4; Sp. p. 572; Dr. p. 117; Gaz. vol. 132; p. 938.
 Water-closet, Outdoor. A. G. Naviokus. No. 888,643; May 26; Sp. p. 4650; Dr. p. 987; Gaz. vol. 134; p. 848.
 Water-closet outlet connection. C. H. Moore. No. 879,399; Feb. 18; Sp. p. 3088; Dr. p. 642; Gaz. vol. 132; p. 1414.
 Water-closet seat. J. Morrison. No. 887,686; May 12; Sp. p. 2737; Dr. p. 578; Gaz. vol. 134; p. 472.
 Water-closet seat. T. J. Florey. No. 889,218; June 2; Sp. p. 64; Dr. p. 14; Gaz. vol. 134; p. 1067.
 Water-closet seat. L. Oppenheim. No. 893,646; July 21; Sp. p. 2585; Dr. p. 538; Gaz. vol. 135; p. 474.
 Water-closet seat. D. W. McNeil. No. 906,734; Dec. 15; Sp. p. 3129; Gaz. vol. 137; p. 1563.
 Water-closet seat. J. T. Knott. No. 908,011; Dec. 29; Sp. p. 5752; Gaz. vol. 137; p. 2046.
 Water-closet-tank lining. C. Pfau. No. 900,775; Oct. 13; Sp. p. 1500; Dr. p. 305; Gaz. vol. 136; p. 1330.
 Water-closet tanks, Fitting linings for. C. Pfau. No. 896,147; Aug. 18; Sp. p. 2712; Dr. p. 885; Gaz. vol. 135; p. 1388.
 Water-closet tanks, Siphon for. M. F. Richardson. No. 904,228; Nov. 17; Sp. p. 3469; Gaz. vol. 137; p. 622.
 Water-closet valve. P. Haas. No. 882,944; Mar. 24; Sp. p. 4892; Dr. p. 1038; Gaz. vol. 133; p. 899.
 Water-closet ventilating device. W. H. Cline. No. 908,393; Dec. 29; Sp. p. 6557; Gaz. vol. 137; p. 2177.
 Water-closets, &c., Automatically-closing valve for flushing. W. H. Bowman. No. 901,583; Oct. 20; Sp. p. 3181; Dr. p. 649; Gaz. vol. 136; p. 1631.
 Water-color for ceilings and the like. A. C. Anderson. No. 887,452; May 12; Sp. p. 2286; Gaz. vol. 134; p. 396.
 Water-column. A. K. Mansfield. No. 885,165; Apr. 21; Sp. p. 3079; Dr. pp. 647-8; Gaz. vol. 133; p. 1739.
 Water-conveyer, Endless. S. Garvin. No. 895,250; Aug. 4; Sp. p. 963; Dr. p. 202; Gaz. vol. 135; p. 1053.
 Water-cooled mold. G. O. Seward. No. 905,373; Dec. 1; Sp. p. 488; Gaz. vol. 137; p. 1066.
 Water-cooler. H. G. Cordley. No. 882,552; Mar. 24; Sp. p. 4095; Dr. p. 869; Gaz. vol. 133; p. 769.
 Water-cooler. F. W. Tuerk. No. 888,206; May 19; Sp. p. 3759; Dr. p. 789; Gaz. vol. 134; p. 672.
 Water-cooler. I. Newell. No. 895,781; Aug. 11; Sp. p. 2022; Dr. p. 429; Gaz. vol. 135; p. 1249.
 Water-cooler. I. Newell. No. 895,782; Aug. 11; Sp. p. 2025; Dr. p. 429; Gaz. vol. 135; p. 1250.
 Water-cooler. S. Holub. No. 899,048; Sept. 22; Sp. p. 3568; Dr. p. 764; Gaz. vol. 136; p. 674.
 Water-cooler. E. Mohr. No. 900,678; Oct. 6; Sp. p. 1309; Dr. p. 268; Gaz. vol. 136; p. 1274.
 Water-cooler. G. A. Turner. No. 901,663; Oct. 20; Sp. p. 3326; Dr. p. 683; Gaz. vol. 136; p. 1655.
 Water-cooler. H. G. Cordley. No. 903,844; Nov. 17; Sp. p. 2640; Gaz. vol. 137; p. 490.
 Water-cooler. D. Howarth. No. 907,052; Dec. 15; Sp. p. 3716; Gaz. vol. 137; p. 1662.
 Water-cooling tower. O. M. Gould. No. 899,665; Sept. 29; Sp. p. 4793; Dr. p. 1026; Gaz. vol. 136; p. 910.
 Water-current motor. J. A. Cameron. No. 878,608; Feb. 11; Sp. p. 1540; Dr. p. 314; Gaz. vol. 132; p. 1119.
 Water-current motor. J. H. Rische. No. 893,375; July 14; Sp. p. 1974; Dr. pp. 414-15; Gaz. vol. 135; p. 355.
 Water-current motor. A. A. Porter. No. 899,320; Sept. 22; Sp. p. 4113; Dr. p. 879; Gaz. vol. 136; p. 763.
 Water-distributor. W. C. Johnson. No. 902,662; Nov. 3; Sp. p. 251; Gaz. vol. 137; p. 43.
 Water-economizer for jigs. T. Rowe. No. 875,850; Jan. 7; Sp. p. 321; Dr. p. 71; Gaz. vol. 132; p. 59.
 Water-elevator. W. G. Dougherty. No. 876,780; Jan. 14; Sp. p. 2222; Dr. pp. 488-9; Gaz. vol. 132; p. 394.
 Water-elevator. M. R. Shourds. No. 877,956; Feb. 4; Sp. p. 117; Dr. p. 28; Gaz. vol. 132; p. 869.
 Water-elevator. J. A. Goodner. No. 878,133; Feb. 4; Sp. p. 475; Dr. p. 102; Gaz. vol. 132; p. 926.
 Water-elevator. H. M. Lambert. No. 885,931; Apr. 23; Sp. p. 4666; Dr. p. 983; Gaz. vol. 133; p. 2017.
 Water-elevator. F. A. Grunow. No. 901,238; Oct. 13; Sp. p. 2400; Dr. p. 492; Gaz. vol. 136; p. 1479.
 Water-elevator. A. Haas. No. 904,951; Nov. 24; Sp. p. 4988; Gaz. vol. 137; p. 890.
 Water-elevator. E. R. Converse. No. 905,654; Dec. 1; Sp. p. 1082; Gaz. vol. 137; p. 1157.
 Water-elevator. E. R. Converse. No. 905,655; Dec. 1; Sp. p. 1083; Gaz. vol. 137; p. 1158.
 Water-elevator, Compressed-air. R. M. Downie. No. 906,395; Dec. 8; Sp. p. 2488; Gaz. vol. 137; p. 1428.
 Water-fixture and controlling means therefor. R. D. Albright. No. 900,818; Oct. 13; Sp. p. 1601; Dr. p. 324; Gaz. vol. 136; p. 1346.
 Water for irrigating and other purposes, Device for controlling a supply of. R. G. Kennedy. No. 881,804; Mar. 10; Sp. p. 2599; Dr. p. 559; Gaz. vol. 133; p. 463.

Alphabetical list of inventions—Continued.

- Water from mineral, vegetable, and animal substances, Separating and simultaneously extracting. B. Schwerin. No. 892,188; June 30; Sp. p. 6093; Dr. p. 1309; Gaz. vol. 134; p. 2159.
- Water-gage. C. A. Kenney. No. 888,178; May 19; Sp. p. 3708; Dr. p. 774; Gaz. vol. 134; p. 662.
- Water-gage. J. O'Connor. No. 878,992; Feb. 11; Sp. p. 2274; Dr. p. 475; Gaz. vol. 132; p. 1241.
- Water-gage. P. I. Scott and A. E. Corbett. No. 888,659; May 26; Sp. p. 4690; Dr. p. 997; Gaz. vol. 134; p. 854.
- Water-gage. T. R. Whitaker. No. 897,180; Aug. 25; Sp. p. 4842; Dr. p. 1030; Gaz. vol. 135; p. 1749.
- Water-gage. S. Donnersberg. No. 897,198; Aug. 25; Sp. p. 4869; Dr. pp. 1035-6; Gaz. vol. 135; p. 1754.
- Water-gage. S. Neutra. No. 900,033; Sept. 29; Sp. p. 5591; Dr. p. 1194; Gaz. vol. 136; p. 1031.
- Water-gage. C. J. Matthews. No. 902,894; Nov. 3; Sp. p. 741; Gaz. vol. 137; p. 122.
- Water-gage. W. Nelson. No. 906,736; Dec. 15; Sp. p. 3132; Gaz. vol. 137; p. 1563.
- Water-gage. J. O'Connor. No. 908,122; Dec. 29; Sp. p. 5965; Gaz. vol. 137; p. 2082.
- Water-gate. A. A. Taylor. No. 894,240; July 28; Sp. p. 3899; Dr. p. 805; Gaz. vol. 135; p. 691.
- Water-gate. E. E. Izer. No. 881,692; Mar. 10; Sp. p. 2377; Dr. p. 515; Gaz. vol. 133; p. 427.
- Water-gate, Automatic constant-discharge. F. W. Hanna. No. 902,531; Oct. 27; Sp. p. 5189; Dr. p. 1048; Gaz. vol. 136; p. 1972.
- Water-governor, Centrifugal. W. L. Waters. No. 886,500; May 5; Sp. p. 428; Dr. pp. 91-2; Gaz. vol. 134; p. 79.
- Water-heater. E. W. Dunn. No. 876,808; Jan. 14; Sp. p. 2390; Dr. p. 521; Gaz. vol. 132; p. 422.
- Water-heater. F. E. Patterson. No. 877,115; Jan. 21; Sp. p. 2937; Dr. p. 635; Gaz. vol. 132; p. 546.
- Water-heater. H. Anderson. No. 878,108; Feb. 4; Sp. p. 432; Dr. p. 91; Gaz. vol. 132; p. 919.
- Water-heater. J. P. Mauzey. No. 878,975; Feb. 11; Sp. p. 2235; Dr. p. 468; Gaz. vol. 132; p. 1236.
- Water-heater. F. P. Obenauer. No. 880,237; Feb. 25; Sp. p. 4854; Dr. p. 1027; Gaz. vol. 132; p. 1723.
- Water-heater. A. Shatzky. No. 882,174; Mar. 17; Sp. p. 3393; Dr. p. 721; Gaz. vol. 133; p. 614.
- Water-heater. A. W. Schramm. No. 883,490; Mar. 31; Sp. p. 6015; Dr. p. 1285; Gaz. vol. 133; p. 1108.
- Water-heater. G. W. Morris. No. 888,110; May 19; Sp. p. 3592; Dr. p. 752; Gaz. vol. 134; p. 642.
- Water-heater. R. Farren. No. 890,130; June 9; Sp. p. 1871; Dr. p. 414; Gaz. vol. 134; p. 1388.
- Water-heater. B. A. Kennepohl. No. 890,237; June 9; Sp. p. 2096; Dr. p. 459; Gaz. vol. 134; p. 1424.
- Water-heater. A. F. Mustee. No. 892,870; July 7; Sp. p. 954; Dr. pp. 200-1; Gaz. vol. 135; p. 160.
- Water-heater. S. Turansky. No. 894,351; July 28; Sp. p. 4135; Dr. p. 854; Gaz. vol. 135; p. 728.
- Water-heater. C. A. Borein. No. 895,151; Aug. 4; Sp. p. 742; Dr. p. 154; Gaz. vol. 135; p. 1018.
- Water-heater. T. W. Pitcher. No. 895,584; Aug. 11; Sp. p. 1618; Dr. p. 341; Gaz. vol. 135; p. 1185.
- Water-heater. D. M. MacLeod. No. 898,123; Sept. 8; Sp. p. 1818; Dr. p. 386; Gaz. vol. 136; p. 317.
- Water-heater. J. J. Divekey and C. M. Gentner. No. 899,388; Sept. 22; Sp. p. 4224; Dr. p. 904; Gaz. vol. 136; p. 784.
- Water-heater. C. N. Nelson and N. A. Lee. No. 900,873; Oct. 13; Sp. p. 1710; Dr. p. 346; Gaz. vol. 136; p. 1362.
- Water-heater. E. Rund. No. 903,007; Nov. 3; Sp. p. 960; Gaz. vol. 137; p. 159.
- Water-heater. H. S. Humphrey. No. 903,862; Nov. 17; Sp. p. 2671; Gaz. vol. 137; p. 495.
- Water-heater. H. S. Humphrey. No. 903,863; Nov. 17; Sp. p. 2677; Gaz. vol. 137; p. 496.
- Water-heater. P. Sasso and J. P. Farugia. No. 904,366; Nov. 17; Sp. p. 3751; Gaz. vol. 137; p. 667.
- Water-heater. L. D. Lovekin. No. 904,627; Nov. 24; Sp. p. 4299; Gaz. vol. 137; p. 782.
- Water-heater. A. L. Gibson. No. 907,590; Dec. 22; Sp. p. 4837; Gaz. vol. 137; p. 1878.
- Water-heater. J. A. Dillon. No. 907,756; Dec. 29; Sp. p. 5211; Gaz. vol. 137; p. 1962.
- Water-heater. J. F. Miles. No. 908,301; Dec. 29; Sp. p. 6345; Gaz. vol. 137; p. 2143.
- Water-heater. C. A. Wood. No. 908,370; Dec. 29; Sp. p. 6495; Gaz. vol. 137; p. 2168.
- Water-heater and smoke-consumer, Auxiliary. J. F. Miles. No. 877,444; Jan. 21; Sp. p. 3602; Dr. p. 780; Gaz. vol. 132; p. 655.
- Water-heater, Automatic. G. S. Walker. No. 886,100; Apr. 28; Sp. p. 5010; Dr. p. 1054; Gaz. vol. 133; p. 2072.
- Water-heater, Automatic. A. B. Chapman. No. 903,449; Nov. 10; Sp. p. 1819; Gaz. vol. 137; p. 331.
- Water-heater, Auxiliary. J. Houser. No. 895,565; Aug. 11; Sp. p. 1585; Dr. p. 335; Gaz. vol. 135; p. 1180.
- Water-heater, Electric. H. N. Roche. No. 884,343; Apr. 7; Sp. p. 1351; Dr. p. 289; Gaz. vol. 133; p. 1410.
- Water-heater, Electric. O. Johnson. No. 887,331; May 12; Sp. p. 2039; Dr. p. 426; Gaz. vol. 134; p. 356.
- Water-heater, Electric. O. H. Fiddes and H. A. Seifke. No. 888,151; May 19; Sp. p. 3656; Dr. p. 765; Gaz. vol. 134; p. 653.
- Water-heater, Electric. F. E. Holt. No. 894,323; July 28; Sp. p. 4080; Dr. p. 843; Gaz. vol. 135; p. 719.
- Water-heater, Electric. J. R. Ayotte. No. 897,186; Aug. 25; Sp. p. 4849; Dr. p. 1031; Gaz. vol. 135; p. 1750.
- Water-heater, Electrical. M. H. Shoenberg. No. 879,498; Feb. 18; Sp. p. 3300; Dr. p. 690; Gaz. vol. 132; p. 1447.
- Water-heater, Electrical. E. J. Condon. No. 884,367; Apr. 14; Sp. p. 1423; Dr. p. 304; Gaz. vol. 133; p. 1448.
- Water-heater, Electrical. H. M. Hill. No. 891,254; June 23; Sp. p. 4186; Dr. p. 917; Gaz. vol. 134; p. 1819.
- Water-heater, Electrical instantaneous. L. C. Henriksen. No. 890,053; June 9; Sp. p. 1727; Dr. p. 383; Gaz. vol. 134; p. 1363.
- Water-heater, Gas. H. W. McClellan. No. 879,486; Feb. 18; Sp. p. 3275; Dr. p. 684; Gaz. vol. 132; p. 1443.
- Water-heater, Instantaneous. A. E. Shipley. No. 884,223; Apr. 7; Sp. p. 1144; Dr. p. 241; Gaz. vol. 133; p. 1372.
- Water-heater, Instantaneous. W. J. Loomis. No. 893,084; July 14; Sp. p. 1405; Dr. p. 297; Gaz. vol. 135; p. 260.
- Water-heater, Instantaneous. J. M. Horner. No. 894,438; July 28; Sp. p. 4318; Dr. p. 890; Gaz. vol. 135; p. 757.
- Water-heater, Solar. F. M. Huntoon. No. 895,761; Aug. 11; Sp. p. 1909; Dr. p. 417; Gaz. vol. 135; p. 1243.
- Water-heater, Wall. J. H. Mackley. No. 895,280; Aug. 4; Sp. p. 1029; Dr. p. 215; Gaz. vol. 135; p. 1063.
- Water, Heating and purifying. J. C. Jones. No. 880,456; Feb. 25; Sp. p. 5297; Dr. p. 1114; Gaz. vol. 132; p. 1796.
- Water-heating apparatus. F. Dupuis, F. E. and G. H. Page. No. 889,775; June 2; Sp. p. 1139; Dr. p. 265; Gaz. vol. 134; p. 1243.
- Water-heating-system pressure-regulator. W. M. Walcutt. No. 907,545; Dec. 22; Sp. p. 4724; Gaz. vol. 137; p. 1863.
- Water-heating systems, Regulator for. B. Humphrey. No. 893,503; July 14; Sp. p. 2267; Dr. p. 476; Gaz. vol. 135; p. 398.
- Water in reservoirs containing aquatic animals, Regenerating. G. Erlwein and E. Marquardt. No. 880,783; Mar. 3; Sp. p. 597; Dr. p. 127; Gaz. vol. 133; p. 103.
- Water in steam-boilers, Device for purifying. W. P. Wiemann. No. 903,931; Nov. 17; Sp. p. 2850; Gaz. vol. 137; p. 520.
- Water into mine-workings, &c., Stopping or sealing off underground flows of. E. B. Kirby. No. 900,683; Oct. 6; Sp. p. 1320; Dr. p. 270; Gaz. vol. 136; p. 1275.
- Water-level in baths, Apparatus for indicating the. P. S. von Gwiazdowski. No. 903,970; Nov. 17; Sp. p. 2916; Gaz. vol. 137; p. 532.
- Water-level indicator. W. C. Horner. No. 892,425; July 7; Sp. p. 65; Dr. p. 15; Gaz. vol. 135; p. 15.
- Water-lock gate. G. Lüscher. No. 884,400; Apr. 14; Sp. p. 1479; Dr. p. 317; Gaz. vol. 133; p. 1458.
- Water-main-cleaning device. J. Maslin. No. 894,220; July 28; Sp. p. 3854; Dr. p. 798; Gaz. vol. 135; p. 684.
- Water-meter. O. Hiersing. No. 884,491; Apr. 14; Sp. p. 1663; Dr. p. 358; Gaz. vol. 133; p. 1488.
- Water-meter. F. C. Bogk, J. J. Leach, and A. W. Wingender. No. 888,218; May 19; Sp. p. 3780; Dr. p. 793; Gaz. vol. 134; p. 676.
- Water-meter. S. L. McAdams. No. 905,906; Dec. 8; Sp. p. 1574; Gaz. vol. 137; p. 1270.
- Water-meter, Disk. H. Fredrick. No. 884,650; Apr. 14; Sp. p. 2024; Dr. p. 433; Gaz. vol. 133; p. 1540.
- Water-meter, Positive. E. J. Fryer. No. 898,863; Sept. 15; Sp. p. 3230; Dr. p. 692; Gaz. vol. 136; p. 587.
- Water-motor. J. Dietz. No. 877,635; Jan. 28; Sp. p. 4003; Dr. p. 865; Gaz. vol. 132; p. 738.
- Water-motor. F. A. Dinsmore. No. 878,194; Feb. 4; Sp. p. 624; Dr. p. 128; Gaz. vol. 132; p. 947.
- Water-motor. F. J. Humphrey. No. 880,737; Mar. 3; Sp. p. 500; Dr. p. 104; Gaz. vol. 133; p. 86.
- Water-motor. F. Breitenstein. No. 881,222; Mar. 10; Sp. p. 1454; Dr. p. 313; Gaz. vol. 133; p. 276.
- Water-motor. G. W. Spoelstra. No. 882,025; Mar. 17; Sp. p. 3101; Dr. p. 660; Gaz. vol. 133; p. 565.
- Water-motor. C. Weber. No. 883,504; Mar. 31; Sp. p. 6042; Dr. p. 1289; Gaz. vol. 133; p. 1113.
- Water-motor. O. E. Brown. No. 885,141; Apr. 21; Sp. p. 3025; Dr. p. 638; Gaz. vol. 133; p. 1731.
- Water-motor. M. L. G. Wheeler. No. 885,553; Apr. 21; Sp. p. 3382; Dr. p. 812; Gaz. vol. 133; p. 1864.
- Water-motor. R. D. Tittle. No. 886,442; May 5; Sp. p. 197; Dr. p. 43; Gaz. vol. 134; p. 38.
- Water-motor. L. C. Lewis. No. 892,531; July 7; Sp. p. 273; Dr. p. 59; Gaz. vol. 135; p. 51.
- Water-motor. C. W. Gill. No. 893,238; July 14; Sp. p. 1719; Dr. p. 302; Gaz. vol. 135; p. 310.
- Water-motor. L. Fossee and J. A. Ballard. No. 896,289; Aug. 18; Sp. p. 3003; Dr. p. 646; Gaz. vol. 135; p. 1435.
- Water-motor. F. Breitenstein. No. 897,346; Sept. 1; Sp. p. 198; Dr. p. 42; Gaz. vol. 136; p. 30.
- Water-motor. J. P. Shevlin. No. 898,516; Sept. 15; Sp. p. 2573; Dr. p. 550; Gaz. vol. 136; p. 475.
- Water-motor. L. C. Lewis. No. 899,058; Sept. 22; Sp. p. 3583; Dr. p. 768; Gaz. vol. 136; p. 677.
- Water-motor. H. H. Held. No. 900,535; Oct. 6; Sp. p. 997; Dr. p. 203; Gaz. vol. 136; p. 1225.
- Water-motor. A. W. Breiding. No. 902,202; Oct. 27; Sp. p. 4455; Dr. p. 901; Gaz. vol. 136; p. 1861.
- Water-motor. J. P. and H. P. Shevlin. No. 904,567; Nov. 24; Sp. p. 4183; Gaz. vol. 137; p. 762.
- Water-motor. H. Brown. No. 905,838; Dec. 8; Sp. p. 1437; Gaz. vol. 137; p. 1249.
- Water-motor. F. C. Emrick. No. 905,859; Dec. 8; Sp. p. 1480; Gaz. vol. 137; p. 1255.
- Water-motor. A. J. and E. E. Memmel. No. 906,049; Dec. 8; Sp. p. 1837; Gaz. vol. 137; p. 1315.
- Water-motor and fan-blower, Combined turbine. F. C. S. H., and R. A. Douds. No. 876,152; Jan. 7; Sp. p. 912; Dr. p. 197; Gaz. vol. 132; p. 155.
- Water-motor, Current. R. E. Coon. No. 891,671; June 23; Sp. p. 5065; Dr. p. 1093; Gaz. vol. 134; p. 1957.

Alphabetical list of inventions—Continued.

- Water-motor, Impact. W. A. Doble. No. 896,442; Aug. 18; Sp. p. 3303; Dr. pp. 711-12; Gaz. vol. 135; p. 1481.
- Water or other liquid from mineral, vegetable, and animal substances, Extraction of. B. Schwerin. No. 894,070; July 21; Sp. p. 3535; Dr. p. 725; Gaz. vol. 135; p. 615.
- Water-power engine. M. Haughey. No. 890,767; June 16; Sp. p. 3211; Dr. p. 701; Gaz. vol. 134; p. 1629.
- Water-pressure motor, Rotary. P. T. Coffield. No. 878,044; Feb. 4; Sp. p. 310; Dr. p. 65; Gaz. vol. 132; p. 898.
- Water-purifier. J. Bowey, Jr. No. 893,603; July 21; Sp. p. 2493; Dr. p. 519; Gaz. vol. 135; p. 459.
- Water-purifier. W. H. Green. No. 898,735; Sept. 15; Sp. p. 3002; Dr. p. 643; Gaz. vol. 136; p. 545.
- Water-purifier. H. Korten. No. 901,352; Oct. 20; Sp. p. 2663; Dr. p. 546; Gaz. vol. 136; p. 1553.
- Water-purifier and oil-separator. M. B. Creswell. No. 892,504; July 7; Sp. p. 228; Dr. p. 48; Gaz. vol. 135; p. 42.
- Water-purifier, Electric. J. F. Lester. No. 887,666; May 12; Sp. p. 2705; Dr. p. 572; Gaz. vol. 134; p. 466.
- Water, Purifying. W. H. Green. No. 898,876; Sept. 15; Sp. p. 3256; Dr. pp. 696-7; Gaz. vol. 136; p. 592.
- Water, Purifying. W. M. Jewell. No. 903,138; Nov. 3; Sp. p. 1201; Gaz. vol. 137; p. 197.
- Water, Purifying and filtering. A. Vogelsang. No. 897,039; Aug. 25; Sp. p. 4579; Dr. p. 977; Gaz. vol. 135; p. 1704.
- Water-purifying and like apparatus. A. L. Helwig. No. 902,401; Oct. 27; Sp. p. 4872; Dr. pp. 986-7; Gaz. vol. 136; p. 1926.
- Water-purifying and regulating means. H. E. Sibson. No. 883,245; Mar. 31; Sp. p. 5493; Dr. p. 1171-2; Gaz. vol. 133; p. 1027.
- Water-purifying apparatus. M. Miller. No. 879,112; Feb. 11; Sp. p. 2517; Dr. pp. 522-3; Gaz. vol. 132; p. 1278.
- Water-purifying apparatus. C. R. Darnall. No. 879,856; Feb. 18; Sp. p. 4068; Dr. p. 853; Gaz. vol. 132; p. 1596.
- Water-purifying apparatus. W. M. Jewell and W. Wagner. No. 882,005; Mar. 17; Sp. p. 3059; Dr. p. 651; Gaz. vol. 133; p. 559.
- Water-purifying apparatus. J. B. Fender. No. 882,240; Mar. 17; Sp. p. 3508; Dr. p. 744; Gaz. vol. 133; p. 633.
- Water-purifying apparatus. E. D. Packard and J. Reidenbaugh. No. 885,369; Apr. 21; Sp. p. 3514; Dr. pp. 733-4; Gaz. vol. 133; p. 1808.
- Water-purifying apparatus. O. L. Stump, J. Reidenbaugh, and E. D. Packard. No. 885,397; Apr. 21; Sp. p. 3570; Dr. p. 747; Gaz. vol. 133; p. 1816.
- Water-purifying apparatus. J. C. W. Greth. No. 890,047; June 9; Sp. p. 1718; Dr. p. 380; Gaz. vol. 134; p. 1361.
- Water-purifying apparatus. H. Reiser. No. 890,301; June 9; Sp. p. 2247; Dr. pp. 494-5; Gaz. vol. 134; p. 1445.
- Water-purifying apparatus. H. Reiser. No. 895,198; Aug. 4; Sp. p. 846; Dr. p. 178; Gaz. vol. 135; p. 1034.
- Water-purifying apparatus. C. P. Van Gundy. No. 897,940; Sept. 8; Sp. p. 1449; Dr. p. 309; Gaz. vol. 136; p. 259.
- Water-purifying apparatus. C. L. Kennicott. No. 900,286; Oct. 6; Sp. p. 462; Dr. pp. 94-5; Gaz. vol. 136; p. 1144.
- Water-purifying apparatus. A. Sarge, Jr. No. 902,847; Nov. 3; Sp. p. 658; Gaz. vol. 137; p. 107.
- Water-purifying system for swimming-tanks. G. D. Mitchell. No. 883,467; Mar. 31; Sp. p. 5969; Dr. p. 1273; Gaz. vol. 133; p. 1100.
- Water-receptacles, Connection for. E. F. Cook. No. 900,485; Oct. 6; Sp. p. 876; Dr. p. 179; Gaz. vol. 136; p. 1209.
- Water, Reducing the corrosive action of. F. N. Speller. No. 900,323; Oct. 6; Sp. p. 538; Dr. p. 111; Gaz. vol. 136; p. 1156.
- Water-softener. L. W. Jones and F. B. Leopold. No. 900,551; Oct. 6; Sp. p. 1036; Dr. pp. 212-13; Gaz. vol. 136; p. 1231.
- Water, Softening. A. Brandes. No. 904,114; Nov. 17; Sp. p. 3196; Gaz. vol. 137; p. 581.
- Water-softening apparatus. C. W. Bartlett. No. 885,828; Apr. 28; Sp. p. 4447; Dr. p. 934; Gaz. vol. 133; p. 1983.
- Water, &c., Sterilizing. R. Cambier, A. Tixier, and C. E. Adnet. No. 892,580; July 7; Sp. p. 357; Gaz. vol. 135; p. 66.
- Water-strainer. H. Mueller. No. 908,308; Dec. 29; Sp. p. 6364; Gaz. vol. 137; p. 2146.
- Water-supply system. J. T. Lemon. No. 904,883; Nov. 24; Sp. p. 4857; Gaz. vol. 137; p. 868.
- Water-supply system, Automatic. J. Johnson. No. 898,480; Sept. 15; Sp. p. 2501; Dr. p. 536; Gaz. vol. 136; p. 463.
- Water-supply tank, Automatic. C. E. Bathrick. No. 897,338; Sept. 1; Sp. p. 180; Dr. p. 38; Gaz. vol. 136; p. 26.
- Water-tank. J. Chial. No. 882,098; Mar. 17; Sp. p. 3237; Dr. pp. 688-9; Gaz. vol. 133; p. 589.
- Water-tank. C. H. Van Wagoner. No. 907,920; Dec. 29; Sp. p. 5545; Gaz. vol. 137; p. 2015.
- Water-tank, Cement. J. J. Daniel. No. 886,481; May 5; Sp. p. 277; Dr. p. 58; Gaz. vol. 134; p. 51.
- Water-tank, Return. P. J. Grahm. No. 882,195; Mar. 17; Sp. p. 3426; Dr. p. 728; Gaz. vol. 133; p. 619.
- Water-tank, Stock. E. Bergien. No. 878,929; Feb. 11; Sp. p. 2158; Dr. p. 450; Gaz. vol. 132; p. 1222.
- Water tower and elevator. S. German. No. 895,008; Aug. 4; Sp. p. 477; Dr. p. 96; Gaz. vol. 135; p. 971.
- Water-tower or stand-pipe, Extensible. C. B. Tarbell. No. 877,255; Jan. 21; Sp. p. 3242; Dr. p. 702; Gaz. vol. 132; p. 595.
- Water-trap. F. W. Meier. No. 901,922; Oct. 20; Sp. p. 3861; Dr. pp. 787-8; Gaz. vol. 136; p. 1749.
- Water trap and seal. E. A. and F. M. Conrad. No. 880,975; Mar. 3; Sp. p. 979; Dr. p. 211; Gaz. vol. 133; p. 166.
- Water treating, storing, and delivering apparatus. M. Miller. No. 883,221; Mar. 31; Sp. p. 5436; Dr. pp. 1158-9; Gaz. vol. 133; p. 1019.
- Water-tube boiler. A. L. Riker. No. 885,295; Apr. 21; Sp. p. 3349; Dr. p. 700; Gaz. vol. 133; p. 1783.
- Water-tube boiler. C. S. Hooper. No. 892,522; July 7; Sp. p. 258; Dr. p. 55; Gaz. vol. 135; p. 48.
- Water-tube boiler. L. L. Summers. No. 897,322; Sept. 1; Sp. p. 133; Dr. pp. 27-8; Gaz. vol. 136; p. 21.
- Water-tube boiler. W. Dougherty and C. Y. James. No. 902,951; Nov. 3; Sp. p. 844; Gaz. vol. 137; p. 139.
- Water-wheel. J. R. De Remer. No. 883,528; Mar. 31; Sp. p. 6089; Dr. p. 1295; Gaz. vol. 133; p. 1118.
- Water-wheel. W. J. Pearson. No. 884,202; Apr. 7; Sp. p. 1112; Dr. p. 233; Gaz. vol. 133; p. 1365.
- Water-wheel. G. S. Stevenson. No. 887,142; May 12; Sp. p. 1591; Dr. p. 338; Gaz. vol. 134; p. 292.
- Water-wheel. R. A. Fontaine. No. 893,790; July 21; Sp. p. 2947; Dr. p. 602; Gaz. vol. 135; p. 522.
- Water-wheel. W. P. Spooner. No. 896,867; Aug. 25; Sp. p. 4186; Dr. p. 897; Gaz. vol. 135; p. 1646.
- Water-wheel. A. Tschirgi. No. 906,754; Dec. 15; Sp. p. 3172; Gaz. vol. 137; p. 1569.
- Water-wheel governor. J. Pearson. No. 887,223; May 12; Sp. p. 1735; Dr. p. 368; Gaz. vol. 134; p. 318.
- Water-wheel, Impact. W. A. Doble and F. Gfeller. No. 884,907; Apr. 14; Sp. p. 2524; Dr. p. 533; Gaz. vol. 133; p. 1623.
- Water-wheel, Turbine. J. A. Smith. No. 884,426; Apr. 14; Sp. p. 1524; Dr. p. 327; Gaz. vol. 133; p. 1467.
- Water-wheel, Turbine. M. A. Replogle and H. C. Hale. No. 894,463; July 28; Sp. p. 4367; Dr. p. 901; Gaz. vol. 135; p. 765.
- Waterer, Hog-. P. Bernard. No. 898,716; Sept. 15; Sp. p. 2963; Dr. p. 635; Gaz. vol. 136; p. 539.
- Waterer, Stock-. W. H. Morris and S. Davis. No. 894,453; July 28; Sp. p. 4352; Dr. pp. 896-7; Gaz. vol. 135; p. 762.
- Watering-can. W. Gray. No. 880,522; Mar. 3; Sp. p. 57; Dr. p. 13; Gaz. vol. 133; p. 13.
- Watering device. A. G. Leonard. No. 887,204; May 12; Sp. p. 1700; Dr. p. 361; Gaz. vol. 134; p. 311.
- Watering device, Stock-. F. E. Williamson. No. 901,860; Oct. 20; Sp. p. 3748; Dr. p. 762; Gaz. vol. 136; p. 1720.
- Watering fountain, Stock-. B. M. Stiles. No. 895,592; Aug. 11; Sp. p. 1638; Dr. p. 345; Gaz. vol. 135; p. 1188.
- Watering-trough. A. C. Michael. No. 885,632; Apr. 21; Sp. p. 4024; Dr. p. 840; Gaz. vol. 133; p. 1888.
- Watering troughs, Guard and cleaning attachment for stock-. E. E. Norquist. No. 899,129; Sept. 22; Sp. p. 3719; Dr. p. 797; Gaz. vol. 136; p. 701.
- Watermelon-carrier. C. A. Woodward. No. 882,808; Mar. 24; Sp. p. 4606; Dr. p. 982; Gaz. vol. 133; p. 853.
- Watermobile. P. McDermott. No. 904,713; Nov. 24; Sp. p. 4477; Gaz. vol. 137; p. 811.
- Waterways, Apparatus for placing bed and bank coverings in. A. Casse. No. 883,084; Mar. 24; Sp. p. 5146; Dr. p. 1098; Gaz. vol. 133; p. 943.
- Waterways with falls, Hydraulic device for movable closing organs in. J. C. Nyholm. No. 899,700; Sept. 29; Sp. p. 4855; Dr. p. 1041; Gaz. vol. 136; p. 920.
- Wattmeter-testing apparatus. O. A. Knopp. No. 886,135; Apr. 28; Sp. p. 5085; Dr. p. 1067; Gaz. vol. 133; p. 2084.
- Wattmeters, Process and apparatus for testing. E. M. Wilkins. No. 905,966; Dec. 8; Sp. p. 1672; Gaz. vol. 137; p. 1289.
- Wave and current motor. C. G. Roehr. No. 889,153; May 26; Sp. p. 5714; Dr. p. 1209; Gaz. vol. 134; p. 1013.
- Wave-breaker. J. A. Rosvold. No. 898,266; Sept. 8; Sp. p. 2087; Dr. p. 444; Gaz. vol. 136; p. 361.
- Wave motions, Apparatus for demonstrating and illustrating. C. Forbes. No. 903,074; Nov. 3; Sp. p. 1090; Gaz. vol. 137; p. 178.
- Wave-motor. E. W. Kapp. No. 876,193; Jan. 7; Sp. p. 983; Dr. p. 212; Gaz. vol. 132; p. 167.
- Wave-motor. J. Tydings. No. 877,021; Jan. 21; Sp. p. 2756; Dr. p. 597; Gaz. vol. 132; p. 515.
- Wave-motor. D. Binns. No. 877,459; Jan. 21; Sp. p. 3625; Dr. p. 784; Gaz. vol. 132; p. 659.
- Wave-motor. G. M. Wilson. No. 879,992; Feb. 25; Sp. p. 4346; Dr. p. 911; Gaz. vol. 132; p. 1641.
- Wave-motor. A. Allen. No. 880,474; Feb. 25; Sp. p. 5332; Dr. pp. 1122-3; Gaz. vol. 132; p. 1802.
- Wave-motor. F. M. Prather. No. 882,269; Mar. 17; Sp. p. 3573; Dr. pp. 758-9; Gaz. vol. 133; p. 644.
- Wave-motor. W. E. Hillson. No. 882,883; Mar. 24; Sp. p. 4767; Dr. p. 1014; Gaz. vol. 133; p. 878.
- Wave-motor. G. T. Fallis. No. 884,080; Apr. 7; Sp. p. 825; Dr. p. 174; Gaz. vol. 133; p. 1325.
- Wave-motor. S. R. Milbury. No. 888,721; May 26; Sp. p. 4806; Dr. p. 1024; Gaz. vol. 134; p. 873.
- Wave-motor. B. C. and J. J. Thrasher and W. S. Smallwood. No. 892,567; July 7; Sp. p. 328; Dr. p. 72; Gaz. vol. 135; p. 62.
- Wave-motor. W. G. J. Bentley and E. C. C. Krough. No. 899,652; Sept. 29; Sp. p. 4771; Dr. p. 1021; Gaz. vol. 136; p. 906.
- Wave-motor. R. Craig. No. 899,957; Sept. 29; Sp. p. 5416; Dr. p. 1155; Gaz. vol. 136; p. 1005.
- Wave-motor. J. A. McManus. No. 901,117; Oct. 13; Sp. p. 2193; Dr. p. 446; Gaz. vol. 136; p. 1441.
- Wave-motor. T. H. Settle. No. 901,489; Oct. 20; Sp. p. 2997; Dr. p. 611; Gaz. vol. 136; p. 1601.
- Wave-power apparatus. A. L. and G. A. Reynolds. No. 875,950; Jan. 7; Sp. p. 499; Dr. p. 108; Gaz. vol. 132; p. 9.
- Wave-power-utilizing apparatus. T. Williams. No. 886,104; Apr. 28; Sp. p. 5020; Dr. p. 1056; Gaz. vol. 133; p. 2074.
- Wave-responsive device. C. D. Babcock. No. 901,942; Oct. 27; Sp. p. 3919; Dr. p. 799; Gaz. vol. 136; p. 1778.
- Wave, tide, and current motor. C. G. Roehr. No. 897,930; Sept. 8; Sp. p. 1423; Dr. pp. 304-5; Gaz. vol. 136; p. 255.

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- Wave-transmitting device, Sound-. A. Dare. No. 907,320; Dec. 22; Sp. p. 4283; Gaz. vol. 137; p. 1789.
- Waves of the sea, Apparatus for utilizing the force of the. P. Morice. No. 890,994; June 16; Sp. p. 3685; Dr. p. 803; Gaz. vol. 134; p. 1704.
- Wax-extractor. A. C. Miller. No. 905,732; Dec. 1; Sp. p. 1228; Gaz. vol. 137; p. 1182.
- Wax-pad, Ironing-. E. A. Bromund. No. 898,180; Sept. 8; Sp. p. 1937; Dr. p. 413; Gaz. vol. 136; p. 336.
- Waxes, paraffins, solders, &c., Heater for applying and melting. F. A. Reilley. No. 897,782; Sept. 1; Sp. p. 1094; Dr. p. 235; Gaz. vol. 136; p. 175.
- Waxing device, Laundry-iron-. C. B. and A. L. Weatherhead. No. 897,804; Sept. 1; Sp. p. 1151; Dr. p. 245; Gaz. vol. 136; p. 182.
- Weaner, Animal-. J. A. Huff. No. 879,172; Feb. 18; Sp. p. 2644; Dr. p. 551; Gaz. vol. 132; p. 1341.
- Weaner, Calif-. C. E. Hoppenrath. No. 881,405; Mar. 10; Sp. p. 1823; Dr. p. 394; Gaz. vol. 133; p. 334.
- Weaner, Calif-. J. W. Rykard. No. 894,400; July 28; Sp. p. 4243; Dr. p. 875; Gaz. vol. 135; p. 744.
- Weaner, Calif-. A. W. Swender. No. 896,598; Aug. 18; Sp. p. 3617; Dr. p. 776; Gaz. vol. 135; p. 1535.
- Weather-strip. W. Van Horn. No. 876,850; Jan. 14; Sp. p. 2354; Dr. p. 516; Gaz. vol. 132; p. 416.
- Weather-strip. W. Van Horn. No. 881,361; Mar. 10; Sp. p. 1735; Dr. p. 373; Gaz. vol. 133; p. 321.
- Weather-strip. C. A. Pike. No. 882,343; Mar. 17; Sp. p. 3711; Dr. p. 789; Gaz. vol. 133; p. 668.
- Weather-strip. C. D. Tabor. No. 882,593; Mar. 24; Sp. p. 4174; Dr. p. 886; Gaz. vol. 133; p. 782.
- Weather-strip. J. E. Scott. No. 883,351; Mar. 31; Sp. p. 5699; Dr. pp. 1216-17; Gaz. vol. 133; p. 1061.
- Weather-strip. W. W. Witherbury. No. 883,603; Mar. 31; Sp. p. 6226; Dr. p. 1328; Gaz. vol. 133; p. 1140.
- Weather-strip. W. Wolfarth. No. 884,251; Apr. 7; Sp. p. 1198; Dr. p. 252; Gaz. vol. 133; p. 1381.
- Weather-strip. A. S. Aiman. No. 886,573; May 5; Sp. p. 454; Dr. p. 97; Gaz. vol. 134; p. 83.
- Weather-strip. A. R. Thomas. No. 886,893; May 5; Sp. p. 1120; Dr. p. 234; Gaz. vol. 134; p. 184.
- Weather-strip. I. L. Hall. No. 887,249; May 12; Sp. p. 1807; Dr. p. 381; Gaz. vol. 134; p. 325.
- Weather-strip. C. E. Wade. No. 888,131; May 19; Sp. p. 3621; Dr. p. 759; Gaz. vol. 134; p. 648.
- Weather-strip. P. L. Hedberg. No. 890,904; June 16; Sp. p. 3473; Dr. p. 760; Gaz. vol. 134; p. 1073.
- Weather-strip. F. Overfield. No. 891,286; June 23; Sp. p. 4250; Dr. p. 930; Gaz. vol. 134; p. 1830.
- Weather-strip. O. T. Akre. No. 891,652; June 23; Sp. p. 5027; Dr. p. 1082; Gaz. vol. 134; p. 1951.
- Weather-strip. E. G. Reed. No. 894,903; Aug. 4; Sp. p. 236; Dr. p. 50; Gaz. vol. 135; p. 935.
- Weather-strip. W. J. O'Sullivan and W. D. Watson. No. 895,674; Aug. 11; Sp. p. 1795; Dr. p. 382; Gaz. vol. 135; p. 1215.
- Weather-strip. F. A. Yeager. No. 899,150; Sept. 22; Sp. p. 3770; Dr. p. 808; Gaz. vol. 136; p. 709.
- Weather-strip. S. Frigone. No. 902,143; Oct. 27; Sp. p. 4330; Dr. p. 877; Gaz. vol. 136; p. 1842.
- Weather-strip. H. Ingham. No. 903,474; Nov. 10; Sp. p. 1879; Gaz. vol. 137; p. 339.
- Weather-strip. F. R. Vordermark. No. 906,756; Dec. 15; Sp. p. 3178; Gaz. vol. 137; p. 1570.
- Weather-strip, Door. W. Malott. No. 896,310; Aug. 18; Sp. p. 3043; Dr. p. 654; Gaz. vol. 135; p. 1442.
- Weaving, Pattern for jacquard-. C. Vorwerk. No. 885,407; Apr. 21; Sp. p. 3588; Dr. p. 751; Gaz. vol. 133; p. 1820.
- Web-feeding mechanism, Bed-controlled. P. F. Cox. No. 880,279; Feb. 25; Sp. p. 4932; Dr. p. 1044; Gaz. vol. 132; p. 1736.
- Web-feeding mechanism, Continuous variable. P. F. Cox. No. 880,280; Feb. 25; Sp. p. 4936; Dr. p. 1044; Gaz. vol. 132; p. 1736.
- Web-feeding rolls. H. F. Bechman. No. 889,746; June 2; Sp. p. 1091; Dr. p. 253; Gaz. vol. 134; p. 1235.
- Web-guide, Adjustable. H. F. Bechman. No. 880,959; Mar. 3; Sp. p. 954; Dr. p. 206; Gaz. vol. 133; p. 161.
- Web-guiding device, Automatic. W. I. Lewis. No. 905,720; Dec. 1; Sp. p. 1195; Gaz. vol. 137; p. 1178.
- Web-press plate-cylinders, Clip for. F. E. Ellis and R. A. Hasselbach. No. 893,990; July 21; Sp. p. 3369; Dr. p. 689; Gaz. vol. 135; p. 588.
- Web-reeling mechanism. F. E. Strasburg. No. 903,518; Nov. 10; Sp. p. 1968; Gaz. vol. 137; p. 354.
- Webbing-attacher. J. C. Melick. No. 898,983; Sept. 15; Sp. p. 3441; Dr. p. 738; Gaz. vol. 136; p. 626.
- Wedge. R. Koban. No. 903,583; Nov. 10; Sp. p. 2110; Gaz. vol. 137; p. 375.
- Wedge, Ax or tool. G. P. Morrill. No. 893,746; July 21; Sp. p. 2861; Dr. p. 587; Gaz. vol. 135; p. 508.
- Wedge-cutter. L. W. Rouland. No. 901,884; Oct. 29; Sp. p. 2752; Dr. p. 560; Gaz. vol. 136; p. 1566.
- Wedge for securing the handles of axes, hammers, &c. W. Wyatt. No. 898,950; Sept. 15; Sp. p. 3382; Dr. p. 726; Gaz. vol. 136; p. 615.
- Wedge-making machine. E. P. Zahnter. No. 893,218; July 14; Sp. p. 1681; Dr. p. 355; Gaz. vol. 135; p. 303.
- Wedgeing device. A. Gützlaff and G. Koenig. No. 895,260; Aug. 4; Sp. p. 983; Dr. p. 206; Gaz. vol. 135; p. 1056.
- Weed-burner. A. Iten. No. 899,404; Sept. 22; Sp. p. 4257; Dr. pp. 913-14; Gaz. vol. 136; p. 789.
- Weed-cutter. C. A. Despain, G. A. Kitt, and E. R. Gordon. No. 879,089; Feb. 11; Sp. p. 2461; Dr. p. 513; Gaz. vol. 132; p. 1271.
- Weed-cutter and cultivator. O. E. Slayton. No. 882,973; Mar. 24; Sp. p. 4939; Dr. p. 1049; Gaz. vol. 133; p. 909.
- Weed-cutter and cultivator. F. Baker. No. 884,258; Apr. 7; Sp. p. 1212; Dr. p. 254; Gaz. vol. 133; p. 1384.
- Weed cutter and puller, Combined. H. S. Wimmer. No. 905,039; Nov. 24; Sp. p. 5156; Gaz. vol. 137; p. 919.
- Weed-cutting and root-destroying device. J. Rumpel. No. 887,275; May 12; Sp. p. 1893; Dr. p. 400; Gaz. vol. 134; p. 336.
- Weed-cutting machine, Rotary. J. G. Olson. No. 898,256; Sept. 8; Sp. p. 2073; Dr. pp. 440-1; Gaz. vol. 136; p. 358.
- Weed-destroyer. C. P. Anderson. No. 885,825; Apr. 28; Sp. p. 4441; Dr. pp. 933-4; Gaz. vol. 133; p. 1982.
- Weed-killer. J. F. Dunn. No. 885,691; Apr. 21; Sp. p. 4147; Dr. p. 868; Gaz. vol. 133; p. 1907.
- Weed-puller. G. N. Nelson. No. 901,820; Oct. 20; Sp. p. 3681; Dr. p. 748; Gaz. vol. 136; p. 1708.
- Weeder. F. M. Newland. No. 876,580; Jan. 14; Sp. p. 1832; Dr. p. 400; Gaz. vol. 132; p. 329.
- Weeder. J. C. Wenner. No. 896,494; Aug. 18; Sp. p. 3418; Dr. p. 730; Gaz. vol. 135; p. 1502.
- Weeder and cultivator. O. J. Gonzalez. No. 886,970; May 5; Sp. p. 1258; Dr. p. 266; Gaz. vol. 134; p. 209.
- Weeder and cultivator. W. C. Warfield. No. 900,137; Oct. 6; Sp. p. 136; Dr. p. 29; Gaz. vol. 136; p. 1094.
- Weeder and cultivator, Combined. E. R. Gordon and D. L. Wolfe. No. 884,814; Apr. 14; Sp. p. 2360; Dr. p. 496; Gaz. vol. 133; p. 1596.
- Weeder or cultivator. N. P. Nelson. No. 875,946; Jan. 7; Sp. p. 493; Dr. pp. 106-7; Gaz. vol. 132; p. 89.
- Welt-threads, such as horsehair and the like, in the shed, Mechanism for inserting separate. O. Wahle. No. 877,271; Jan. 21; Sp. p. 3276; Dr. pp. 708-9; Gaz. vol. 132; p. 600.
- Welt units, Mechanism for replacing. A. C. Hough. No. 886,126; Apr. 28; Sp. p. 5071; Dr. pp. 1064-5; Gaz. vol. 133; p. 2081.
- Welt units, Replacing. A. C. Hough. No. 886,127; Apr. 28; Sp. p. 5075; Dr. p. 1065; Gaz. vol. 133; p. 2081.
- Weigh-pan. F. C. Greene and G. G. Palmer. No. 876,841; Jan. 14; Sp. p. 1744; Dr. pp. 378-9; Gaz. vol. 132; p. 316.
- Weigher, Automatic grain-. G. M. Baird. No. 898,420; Sept. 15; Sp. p. 2382; Dr. p. 509; Gaz. vol. 136; p. 445.
- Weighing and bagging machine, Grain. M. Davis. No. 885,841; Apr. 28; Sp. p. 4473; Dr. pp. 939-40; Gaz. vol. 133; p. 1987.
- Weighing and dumping machine, Automatic. R. D. Webb. No. 889,231; June 2; Sp. p. 175; Dr. p. 43; Gaz. vol. 134; p. 1086.
- Weighing apparatus. F. J. Heybach. No. 885,473; Apr. 21; Sp. p. 3699; Dr. p. 777; Gaz. vol. 133; p. 1340.
- Weighing apparatus. H. B. Osgood. No. 885,698; Apr. 21; Sp. p. 4161; Dr. pp. 871-2; Gaz. vol. 133; p. 1909.
- Weighing apparatus. M. H. Avram. No. 888,572; May 26; Sp. p. 4502; Dr. p. 954; Gaz. vol. 134; p. 824.
- Weighing apparatus. H. B. Morris. No. 899,551; Sept. 29; Sp. p. 4563; Dr. p. 981; Gaz. vol. 136; p. 874.
- Weighing apparatus, Automatic. F. Edtbauer. No. 900,990; Oct. 13; Sp. p. 1952; Dr. p. 398; Gaz. vol. 136; p. 1401.
- Weighing apparatus, Automatic. F. Edtbauer. No. 903,962; Nov. 17; Sp. p. 2900; Gaz. vol. 137; p. 529.
- Weighing apparatus, Electromagnetic. C. L. Bond. No. 880,858; Mar. 3; Sp. p. 700; Dr. pp. 161-3; Gaz. vol. 133; p. 128.
- Weighing apparatus for farm-wagons, Portable. J. D. Reed. No. 878,312; Feb. 4; Sp. p. 858; Dr. pp. 170-1; Gaz. vol. 132; p. 986.
- Weighing device, Liquid-. W. A. Wallwork. No. 896,257; Aug. 18; Sp. p. 2326; Dr. p. 630; Gaz. vol. 135; p. 1425.
- Weighing-machine. F. Verplast. No. 878,915; Feb. 11; Sp. p. 2132; Dr. pp. 444-5; Gaz. vol. 132; p. 1217.
- Weighing-machine. G. Hoepner. No. 883,540; Mar. 31; Sp. p. 6113; Dr. p. 1300-1; Gaz. vol. 133; p. 1122.
- Weighing-machine. H. M. B. Barry. No. 903,044; Nov. 3; Sp. p. 1030; Gaz. vol. 137; p. 169.
- Weighing-machine. T. S. B. Parnall. No. 904,718; Nov. 24; Sp. p. 4487; Gaz. vol. 137; p. 812.
- Weighing-machine, Automatic. R. Y. Bradshaw. No. 877,168; Jan. 21; Sp. p. 3062; Dr. pp. 663-4; Gaz. vol. 132; p. 565.
- Weighing-machine, Automatic. T. Whitehorn. No. 882,437; Mar. 17; Sp. p. 3862; Dr. p. 825; Gaz. vol. 133; p. 698.
- Weighing-machine, Automatic. E. D. Carter. No. 895,160; Aug. 4; Sp. p. 761; Dr. p. 159; Gaz. vol. 135; p. 1021.
- Weighing-machine, Automatic. T. R. Weyant. No. 895,524; Aug. 11; Sp. p. 1504; Dr. pp. 318-19; Gaz. vol. 135; p. 1167.
- Weighing-machine, Automatic. C. D. Scott. No. 897,855; Sept. 1; Sp. p. 1246; Dr. pp. 266-9; Gaz. vol. 136; p. 198.
- Weighing-machine, Automatic. D. A. Flavell. No. 902,485; Oct. 27; Sp. p. 5066; Dr. pp. 1025-6; Gaz. vol. 136; p. 1955.
- Weighing-machine, Coin-controlled. F. Verplast. No. 906,755; Dec. 15; Sp. p. 3174; Gaz. vol. 137; p. 1569.
- Weighing-machine, Fluid-. O. Gunderson. No. 895,748; Aug. 11; Sp. p. 1946; Dr. pp. 411-12; Gaz. vol. 135; p. 1238.
- Weighing-machine, Grain-. B. M. Steele and C. L. Gardner. No. 896,670; Aug. 18; Sp. p. 3742; Dr. pp. 806-7; Gaz. vol. 135; p. 1556.
- Weighing-machine or weigh-bridge, Automatic indicator. H. Pooley. No. 906,657; Dec. 15; Sp. p. 2973; Gaz. vol. 137; p. 1537.
- Weighing powdery substances, Means for automatically. A. F. H. Stephens. No. 890,190; June 9; Sp. p. 2002; Dr. p. 441; Gaz. vol. 134; p. 1409.
- Weight-compensator. W. C. Stephen. No. 875,963; Jan. 7; Sp. p. 536; Dr. p. 115; Gaz. vol. 132; p. 94.
- Weight-motor. J. C. Rackley. No. 882,583; Mar. 24; Sp. p. 4157; Dr. p. 882; Gaz. vol. 133; p. 779.
- Weight or follower. J. B. Boring. No. 896,079; Aug. 18; Sp. p. 2602; Dr. p. 564; Gaz. vol. 135; p. 1368.
- Welding copper. S. A. Tabet. No. 893,207; July 14; Sp. p. 1663; Dr. p. 351; Gaz. vol. 135; p. 300.
- Welding fluid. V. Massimino. No. 905,729; Dec. 1; Sp. p. 1224; Gaz. vol. 137; p. 1181.

Alphabetical list of inventions—Continued.

- Welding-machine crimping apparatus, Electric. H. L. Smith. No. 896,476; Aug. 18; Sp. p. 3385; Dr. p. 729; Gaz. vol. 135; p. 1496.
Welding-machine, Electric. L. S. Lachman. No. 896,218; Aug. 18; Sp. p. 2849; Dr. p. 613; Gaz. vol. 135; p. 1412.
Welding-machine, Electric. W. M. Fulton. No. 904,771; Nov. 24; Sp. p. 4609; Gaz. vol. 137; p. 830.
Welding machine, Electric chain-. H. Helberger. No. 875,910; Jan. 7; Sp. p. 445; Dr. p. 98; Gaz. vol. 132; p. 80.
Welding metal tubes, rings, and the like, Machine for. F. Jottrand. No. 900,381; Oct. 6; Sp. p. 653; Dr. p. 134; Gaz. vol. 136; p. 1174.
Welding-tool. A. Futterman. No. 899,864; Sept. 29; Sp. p. 5231; Dr. p. 1118; Gaz. vol. 136; p. 977.
Welding-tool, Gas-heated. A. Futterman. No. 898,864; Sept. 15; Sp. p. 3232; Dr. p. 693; Gaz. vol. 136; p. 588.
Well apparatus, Oil-. L. W. Brown. No. 894,590; July 28; Sp. p. 4609; Dr. p. 956; Gaz. vol. 135; p. 806.
Well attachment, Tubular and drive. G. W. Stanciliff. No. 887,138; May 12; Sp. p. 1585; Dr. p. 336; Gaz. vol. 134; p. 291.
Well-blower. J. H. McEvoy. No. 906,733; Dec. 15; Sp. p. 3127; Gaz. vol. 137; p. 1562.
Well-boring machine, Rotary. J. A. Wiggs. Jr. No. 883,265; Mar. 31; Sp. p. 5534; Dr. pp. 1180-1; Gaz. vol. 133; p. 1033.
Well-casing, Apparatus for screwing. W. L. Dunn. No. 883,630; Mar. 31; Sp. p. 6279; Dr. p. 1339; Gaz. vol. 133; p. 1149.
Well-cleaning device, Oil-. F. A. Monroe and B. W. Seymour. No. 884,675; Apr. 14; Sp. p. 2074; Dr. p. 443; Gaz. vol. 133; p. 1548.
Well-cleaning device, Oil-. F. A. Flanagan. No. 901,287; Oct. 13; Sp. p. 2517; Dr. pp. 516-17; Gaz. vol. 136; p. 1495.
Well-curb. J. F. Syze. No. 880,597; Mar. 3; Sp. p. 225; Dr. p. 47; Gaz. vol. 133; p. 39.
Well-digging machine. J. H. Clack. No. 905,147; Dec. 1; Sp. p. 46; Gaz. vol. 137; p. 991.
Well-drill. H. B. King. No. 886,704; May 5; Sp. p. 744; Dr. pp. 152-3; Gaz. vol. 134; p. 126.
Well-drill, Deep-. W. Hutchings. No. 894,147; July 21; Sp. p. 3683; Dr. pp. 764-5; Gaz. vol. 135; p. 640.
Well-drilling apparatus. J. C. Wally. No. 878,916; Feb. 11; Sp. p. 2133; Dr. p. 445; Gaz. vol. 132; p. 1217.
Well-drilling apparatus. C. Milliron. No. 885,170; Apr. 21; Sp. p. 3099; Dr. p. 652; Gaz. vol. 133; p. 1741.
Well-drilling apparatus. R. D. Moon. No. 901,182; Oct. 13; Sp. p. 2299; Dr. p. 470; Gaz. vol. 136; p. 1461.
Well-drilling apparatus. J. Conlan. No. 901,229; Oct. 13; Sp. p. 2384; Dr. p. 487; Gaz. vol. 136; p. 1476.
Well-drilling apparatus, Feed for. R. C. Jones. No. 890,236; June 9; Sp. p. 2092; Dr. p. 459; Gaz. vol. 134; p. 1423.
Well-drilling jar. C. M. Heeter. No. 881,923; Mar. 17; Sp. p. 2880; Dr. p. 614; Gaz. vol. 133; p. 532.
Well-drilling machine. L. K. Robbins. No. 878,827; Feb. 11; Sp. p. 1963; Dr. p. 406; Gaz. vol. 132; p. 1189.
Well-drilling machine. J. W. Teetzel. No. 888,205; May 19; Sp. p. 3755; Dr. pp. 788-9; Gaz. vol. 134; p. 671.
Well-drilling machine. H. L. Hoopengartner. No. 890,280; June 9; Sp. p. 2209; Dr. pp. 485-6; Gaz. vol. 134; p. 1437.
Well-drilling machine. R. L. Woodard. No. 900,636; Oct. 6; Sp. p. 1210; Dr. pp. 248-9; Gaz. vol. 136; p. 1258.
Well-drilling machine. D. W. Saunders. No. 903,889; Nov. 17; Sp. p. 2741; Gaz. vol. 137; p. 506.
Well-drilling machinery. H. R. Decker. No. 887,775; May 19; Sp. p. 2935; Dr. pp. 617-18; Gaz. vol. 134; p. 532.
Well-drilling machinery. H. R. Decker. No. 889,110; May 26; Sp. p. 5623; Dr. pp. 1190-1; Gaz. vol. 134; p. 999.
Well-drilling machinery. H. R. Decker. No. 892,409; July 7; Sp. p. 36; Dr. p. 10; Gaz. vol. 135; p. 10.
Well-drilling means. J. H. Milligan. No. 887,952; May 19; Sp. p. 3284; Dr. p. 690; Gaz. vol. 134; p. 591.
Well-drilling tools, Ratchet-lock for screw-joints of. W. Barrott. No. 903,435; Nov. 10; Sp. p. 1787; Gaz. vol. 137; p. 325.
Well mechanism. M. E. Layne. No. 905,440; Dec. 1; Sp. p. 664; Gaz. vol. 137; p. 1090.
Well-operating apparatus. J. E. Wise. No. 883,769; Apr. 7; Sp. p. 175; Dr. p. 32; Gaz. vol. 133; p. 1221.
Well-packer. L. E. Robinson. No. 881,154; Mar. 10; Sp. p. 1322; Dr. p. 285; Gaz. vol. 133; p. 255.
Well-packer. C. C. Heeter. No. 904,202; Nov. 17; Sp. p. 3405; Gaz. vol. 137; p. 613.
Well-packer, Deep-. C. M. Heeter. No. 880,213; Feb. 25; Sp. p. 4795; Dr. p. 1016; Gaz. vol. 132; p. 1714.
Well-packer, Deep-. C. M. Heeter. No. 891,065; June 16; Sp. p. 3812; Dr. p. 832; Gaz. vol. 134; p. 1727.
Well-packer, Oil-. A. Collingwood. No. 886,114; Apr. 28; Sp. p. 5038; Dr. p. 1058; Gaz. vol. 133; p. 2077.
Well-packers, Anchor mechanism for. G. A. Spang. No. 900,440; Oct. 6; Sp. p. 778; Dr. p. 160; Gaz. vol. 136; p. 1195.
Well pipes or casings, Drive head or cap for. D. B. Whitehill. No. 900,140; Oct. 6; Sp. p. 142; Dr. p. 29; Gaz. vol. 136; p. 1095.
Well plug, Gas-. W. F. Burgess. No. 901,874; Oct. 20; Sp. p. 3773; Dr. p. 767; Gaz. vol. 136; p. 1725.
Well plug, Oil-. E. Porter. No. 903,314; Nov. 10; Sp. p. 1550; Gaz. vol. 137; p. 286.
Well-pulling machine. O. D. Kraft and L. W. Fetzler. No. 886,989; May 5; Sp. p. 1288; Dr. pp. 271-2; Gaz. vol. 134; p. 214.
Well screen, Water or oil. A. E. Childress and H. Cathriner. No. 883,085; Mar. 24; Sp. p. 5147; Dr. p. 1099; Gaz. vol. 133; p. 943.
Well-strainer. E. E. Johnson. No. 899,054; Sept. 22; Sp. p. 3575; Dr. p. 766; Gaz. vol. 136; p. 676.
Well strainer, Oil and water. H. R. Decker. No. 880,635; Mar. 3; Sp. p. 297; Dr. p. 65; Gaz. vol. 133; p. 52.
Well strainer, Oil and water. H. R. Decker. No. 895,733; Aug. 11; Sp. p. 1922; Dr. p. 407; Gaz. vol. 135; p. 1234.
Well-strainers, Manufacturing. F. I. Getty. No. 892,660; July 7; Sp. p. 522; Dr. p. 110; Gaz. vol. 135; p. 92.
Well-tube and strainer. M. B. Van Ness. No. 882,359; Mar. 17; Sp. p. 3739; Dr. p. 795; Gaz. vol. 133; p. 673.
Well-tubes, Machine for manufacturing screenings for. F. I. Getty. No. 892,659; July 7; Sp. p. 519; Dr. pp. 109-10; Gaz. vol. 135; p. 92.
Well-tubing. A. Smith. No. 884,048; Apr. 7; Sp. p. 766; Dr. p. 160; Gaz. vol. 133; p. 1315.
Wells, Apparatus for forcing fluid from. J. W. Waitz. No. 886,280; Apr. 28; Sp. p. 5344; Dr. p. 1124; Gaz. vol. 133; p. 2132.
Wells, Casing-head for oil-. R. F. Hadley. No. 886,208; Apr. 28; Sp. p. 5206; Dr. p. 1096; Gaz. vol. 133; p. 2107.
Wells, Clamp for motion-rods for oil-. J. T. Hovis. No. 876,966; Jan. 21; Sp. p. 2630; Dr. p. 571; Gaz. vol. 132; p. 496.
Wells, filters, &c., Molded strainer or screen for. J. R. Freeman. No. 907,328; Dec. 22; Sp. p. 4298; Gaz. vol. 137; p. 1791.
Wells, Gas-trap for oil-. R. C. Baker. No. 896,967; Aug. 25; Sp. p. 4427; Dr. p. 945; Gaz. vol. 135; p. 1679.
Wells, Grappling-bucket for cleaning. A. Burrows. No. 904,680; Nov. 24; Sp. p. 4405; Gaz. vol. 137; p. 799.
Wells, Spear for oil-. W. C. Beckwith. No. 902,468; Oct. 27; Sp. p. 5028; Dr. p. 1018; Gaz. vol. 136; p. 1949.
Wells, Tube-hoisting appliance for oil-. J. Hogue. No. 879,964; Feb. 25; Sp. p. 4299; Dr. p. 899; Gaz. vol. 132; p. 1633.
Wells, Valve attachment for oil-. J. M. Reece. No. 902,686; Nov. 3; Sp. p. 298; Gaz. vol. 137; p. 51.
Wells, Wall-packer for oil-. E. E. Tirk. No. 892,776; July 7; Sp. p. 753; Dr. p. 159; Gaz. vol. 135; p. 130.
Wells, Water-stop for deep. H. J. Newhouse. No. 887,836; May 19; Sp. p. 3059; Dr. p. 643; Gaz. vol. 134; p. 553.
Well-attaching apparatus. G. Goddu. No. 896,293; Aug. 18; Sp. p. 3009; Dr. pp. 647-8; Gaz. vol. 135; p. 1436.
Well-beater. D. H. Hadsell. No. 886,292; Apr. 28; Sp. p. 5369; Dr. p. 1129; Gaz. vol. 133; p. 2136.
Well-beater. J. J. Heys. No. 901,446; Oct. 20; Sp. p. 2902; Dr. p. 591; Gaz. vol. 136; p. 1586.
Well-beating machine. W. B. Keighley. No. 897,626; Sept. 1; Sp. p. 787; Dr. p. 165; Gaz. vol. 136; p. 125.
Well-dressing machine. G. R. Cheesman. No. 883,525; Mar. 31; Sp. p. 6082; Dr. p. 1294; Gaz. vol. 133; p. 1117.
Well-marking machine. G. F. Stewart. No. 885,099; Apr. 21; Sp. p. 2918; Dr. pp. 618-20; Gaz. vol. 133; p. 1717.
Well-stripper. R. K. Johnstone. No. 878,533; Feb. 11; Sp. p. 1363; Dr. p. 279; Gaz. vol. 132; p. 1093.
Wheat-wetting device. K. Dougan. No. 903,961; Nov. 17; Sp. p. 2896; Gaz. vol. 137; p. 529.
Wheel: See Abrading-wheel; Automobile-wheel; Ball-bearing wheel; Bicycle-wheel; Brake-wheel; Car-wheel; Car-replacing wheel; Car supplemental wheel; Caster-wheel; Cushion-tire wheel; Cycle motor-wheel; Ditching-wheel; Door-hanger wheel; Driven wheel; Driving-wheel; Elastic wheel; Escapement-wheel; Expansion-wheel; Fan-wheel; Fifth-wheel; Fly-wheel; Grinding or polishing wheel; Metal wheel; Metallic wheel; Paddle-wheel; Pleasure-wheel; Plow-wheel; Pneumatic wheel; Polishing-wheel; Propelled wheel; Propeller-wheel; Resilient wheel; Self-lubricating wheel; Self-oiling wheel; Sewing-machine fly-wheel; Spinning-wheel; Spring-wheel; Sprocket-wheel; Steering wheel; Stone-polishing wheel; Tide-wheel; Tire-wheel; Traction-wheel; Traction bucket-wheel; Trolley-wheel; Turbine-wheel; Turbine bucket-wheel; Vehicle-wheel; Vehicle driving-wheel; Vehicle spring-wheel; Vehicle traction-wheel; Wagon-wheel; Water-wheel; Wheelbarrow-wheel; Wind-wheel.
Wheel. F. J. Cooper. No. 876,334; Jan. 14; Sp. p. 1287; Dr. p. 278; Gaz. vol. 132; p. 244.
Wheel. S. B. McMaster. No. 876,386; Jan. 14; Sp. p. 1396; Dr. p. 301; Gaz. vol. 132; p. 261.
Wheel. C. B. Van Horn. No. 877,617; Jan. 28; Sp. p. 3976; Dr. p. 859; Gaz. vol. 132; p. 732.
Wheel. C. Adams-Randall. No. 873,592; Feb. 11; Sp. p. 1511; Dr. p. 307; Gaz. vol. 132; p. 1114.
Wheel. G. M. Bucey. No. 880,122; Feb. 25; Sp. p. 4606; Dr. pp. 970-1; Gaz. vol. 132; p. 1683.
Wheel. M. D. Drake. No. 881,909; Mar. 17; Sp. p. 2845; Dr. p. 607; Gaz. vol. 133; p. 527.
Wheel. W. G. Kirchhoff. No. 884,093; Apr. 7; Sp. p. 858; Dr. p. 180; Gaz. vol. 133; p. 1330.
Wheel. J. Kennedy. No. 887,649; May 12; Sp. p. 2674; Dr. p. 565; Gaz. vol. 134; p. 460.
Wheel. A. L. Jimenez. No. 888,504; May 26; Sp. p. 4356; Dr. pp. 922-3; Gaz. vol. 134; p. 799.
Wheel. C. B. Van Horn. No. 888,673; May 26; Sp. p. 4720; Dr. p. 1004; Gaz. vol. 134; p. 858.
Wheel. E. Stanciliff. No. 892,323; June 30; Sp. p. 6344; Dr. p. 1368; Gaz. vol. 134; p. 2203.
Wheel. A. B. Ament. No. 892,640; July 7; Sp. p. 483; Dr. p. 103; Gaz. vol. 135; p. 86.
Wheel. E. Hopkinson. No. 893,075; July 14; Sp. p. 1393; Dr. p. 294; Gaz. vol. 135; p. 258.
Wheel. J. G. Disher. No. 895,348; Aug. 4; Sp. p. 1146; Dr. p. 241; Gaz. vol. 135; p. 1085.
Wheel. J. W. Melxell. No. 898,057; Sept. 8; Sp. p. 1696; Dr. p. 360; Gaz. vol. 136; p. 296.
Wheel. W. H. Parham. No. 899,611; Sept. 29; Sp. p. 4681; Dr. p. 1004; Gaz. vol. 136; p. 894.
Wheel. G. Wolke. No. 899,934; Sept. 29; Sp. p. 5375; Dr. p. 1146; Gaz. vol. 136; p. 998.
Wheel. H. M. Verplanck. No. 901,568; Oct. 20; Sp. p. 3146; Dr. p. 643; Gaz. vol. 136; p. 1626.
Wheel. A. L. Jimenez. No. 901,907; Oct. 20; Sp. p. 3837; Dr. p. 781; Gaz. vol. 136; p. 1736.
Wheel. R. K. Gregory. No. 902,072; Oct. 27; Sp. p. 4192; Dr. p. 850; Gaz. vol. 136; p. 1819.
Wheel. J. D. Behrens. No. 905,833; Dec. 8; Sp. p. 1431; Gaz. vol. 137; p. 1247.
Wheel. R. Dommman. No. 907,475; Dec. 22; Sp. p. 4604; Gaz. vol. 137; p. 1841.

Alphabetical list of inventions—Continued.

- Wheel. A. B. Day. No. 907,750; Dec. 29; Sp. p. 5197; Gaz. vol. 137; p. 1960.
- Wheel-assembling machine. J. R. Welch. No. 882,855; Mar. 24; Sp. p. 4707; Dr. p. 1000-1; Gaz. vol. 133; p. 869.
- Wheel attachment. L. L. Curtis. No. 903,845; Nov. 17; Sp. p. 2641; Gaz. vol. 137; p. 490.
- Wheel attachment, Vehicle-. C. C. Phelps. No. 889,805; June 2; Sp. p. 1193; Dr. p. 276; Gaz. vol. 134; p. 1253.
- Wheel automatic brake, Vehicle-. O. L. Herod. No. 895,859; Aug. 11; Sp. p. 2174; Dr. p. 462; Gaz. vol. 135; p. 1274.
- Wheel-block. A. J. Allen. No. 876,424; Jan. 14; Sp. p. 1488; Dr. p. 320; Gaz. vol. 132; p. 274.
- Wheel brake, Vehicle-. B. F. Hornsby. No. 882,759; Mar. 24; Sp. p. 4509; Dr. p. 962; Gaz. vol. 133; p. 837.
- Wheel-casting mold. H. E. Chipman. No. 905,287; Dec. 1; Sp. p. 315; Gaz. vol. 137; p. 1038.
- Wheel clip attachment, Fifth-. W. A. Schleicher. No. 908,334; Dec. 29; Sp. p. 6426; Gaz. vol. 137; p. 2156.
- Wheel drive, Traction-. J. B. Dumais. No. 904,413; Nov. 17; Sp. p. 3841; Gaz. vol. 137; p. 683.
- Wheel elastic tire. A. Umlauf and K. Böhm. No. 906,834; Dec. 15; Sp. p. 3316; Gaz. vol. 137; p. 1594.
- Wheel-flange pressures, Apparatus for testing. G. L. Fowler. No. 886,691; May 5; Sp. p. 715; Dr. pp. 146-7; Gaz. vol. 134; p. 121.
- Wheel-fork. A. Kormil and F. Radloff. No. 880,543; Mar. 3; Sp. p. 95; Dr. pp. 21-2; Gaz. vol. 133; p. 20.
- Wheel grinder, Band-. P. A. Cazes. No. 904,509; Nov. 24; Sp. p. 4068; Gaz. vol. 137; p. 742.
- Wheel-guard. M. F. Doty. No. 879,752; Feb. 18; Sp. p. 3827; Dr. p. 802; Gaz. vol. 132; p. 1530.
- Wheel-guard. W. R. Evans. No. 885,030; Apr. 21; Sp. p. 2788; Dr. p. 591; Gaz. vol. 133; p. 1696.
- Wheel guard or fender. C. T. Moss. No. 904,980; Nov. 24; Sp. p. 5045; Gaz. vol. 137; p. 899.
- Wheel guards, Mud-shield for vehicle-. G. W. Dunham. No. 883,454; Mar. 31; Sp. p. 5947; Dr. p. 1268; Gaz. vol. 133; p. 1096.
- Wheel hood, Propeller-. G. B. Davis. No. 904,313; Nov. 17; Sp. p. 3656; Gaz. vol. 137; p. 651.
- Wheel-jack. S. W. Walker. No. 878,580; Feb. 11; Sp. p. 1487; Dr. p. 301; Gaz. vol. 132; p. 1110.
- Wheel-lock. W. H. Gibson. No. 885,036; Apr. 21; Sp. p. 2800; Dr. p. 592; Gaz. vol. 133; p. 1697.
- Wheel mud-guard, Vehicle-. W. E. Drake. No. 882,933; Mar. 24; Sp. p. 4872; Dr. p. 1034; Gaz. vol. 133; p. 895.
- Wheel regulator, Tangential-water-. J. M. Boyle and F. W. Roller. No. 907,725; Dec. 29; Sp. p. 5146; Gaz. vol. 137; p. 1951.
- Wheel-retainer and attachment-support. F. W. Lechner. No. 889,695; June 2; Sp. p. 1000; Dr. p. 231; Gaz. vol. 134; p. 1219.
- Wheel-rim. E. Hopkinson and T. Midgley. No. 891,172; June 16; Sp. p. 3995; Dr. p. 877; Gaz. vol. 134; p. 1759.
- Wheel-rim fastener. R. L. Morgan. No. 877,217; Jan. 21; Sp. p. 3176; Dr. p. 689; Gaz. vol. 132; p. 583.
- Wheel-rim for pneumatic tires. C. S. Scott. No. 880,332; Feb. 25; Sp. p. 5028; Dr. p. 1060; Gaz. vol. 132; p. 1753.
- Wheel rim, Motor-car-. D. C. Smith and W. F. Gorton. No. 886,019; Apr. 28; Sp. p. 4859; Dr. p. 1022; Gaz. vol. 133; p. 2047.
- Wheel rim, Vehicle-. F. A. Seiberling. (Reissue.) No. 12,777; Apr. 7; Sp. p. 1383; Dr. p. 295; Gaz. vol. 133; p. 1413.
- Wheel rim, Vehicle-. E. C. Shaw. No. 885,960; Apr. 28; Sp. p. 4732; Dr. p. 994; Gaz. vol. 133; p. 2028.
- Wheel rim, Vehicle-. E. C. Shaw. No. 894,290; July 28; Sp. p. 4016; Dr. p. 830; Gaz. vol. 135; p. 708.
- Wheel rim, Vehicle-. E. C. Shaw. No. 894,291; July 28; Sp. p. 4019; Dr. p. 830; Gaz. vol. 135; p. 708.
- Wheel rim, Vehicle-. E. C. Shaw. No. 894,292; July 28; Sp. p. 4021; Dr. p. 830; Gaz. vol. 135; p. 708.
- Wheel rim, Vehicle-. E. C. Shaw. No. 894,293; July 28; Sp. p. 4023; Dr. p. 830; Gaz. vol. 135; p. 709.
- Wheel rim, Vehicle-. J. R. Ganameter. No. 895,360; Aug. 4; Sp. p. 1167; Dr. p. 245; Gaz. vol. 135; p. 1089.
- Wheel shock-absorber, Vehicle-. W. E. Snediker. No. 889,489; June 2; Sp. p. 610; Dr. pp. 142-3; Gaz. vol. 134; p. 1153.
- Wheel specially adapted to receive an auxiliary or spare rim. T. M. Davies. No. 894,609; July 28; Sp. p. 4659; Dr. p. 967; Gaz. vol. 135; p. 813.
- Wheel spoke, Wire-spoked-. J. V. Pugh. No. 907,282; Dec. 22; Sp. p. 4218; Gaz. vol. 137; p. 1776.
- Wheel-tire, Elastic. C. King. No. 906,805; Dec. 15; Sp. p. 3262; Gaz. vol. 137; p. 1585.
- Wheel-tire, Elastic. G. Bardet. No. 907,307; Dec. 22; Sp. p. 4261; Gaz. vol. 137; p. 1785.
- Wheel-tread, Jointed. L. T. Knowles. No. 887,100; May 12; Sp. p. 1526; Dr. p. 322; Gaz. vol. 134; p. 280.
- Wheel tread or tire, Rubber. E. B. Killen. No. 894,014; July 21; Sp. p. 3409; Dr. pp. 697-8; Gaz. vol. 135; p. 596.
- Wheel-truing brake-shoe. J. M. Griffin. No. 908,247; Dec. 29; Sp. p. 6250; Gaz. vol. 137; p. 2126.
- Wheel-washer. J. S. Williams. No. 880,261; Feb. 25; Sp. p. 4895; Dr. p. 1035; Gaz. vol. 132; p. 1731.
- Wheels, Antifriction thrust-bearing for. W. J. Trevesick. No. 904,575; Nov. 24; Sp. p. 4201; Gaz. vol. 137; p. 765.
- Wheels, Bolt tightener and cutter for. B. M. Nation. No. 881,140; Mar. 10; Sp. p. 1300; Dr. p. 280; Gaz. vol. 133; p. 250.
- Wheels, Detachable shoe for self-propelled-vehicle. W. P. Shattuck. No. 901,842; Oct. 20; Sp. p. 3717; Dr. p. 755; Gaz. vol. 136; p. 1714.
- Wheels, Drive attachment for vehicle-. J. H. Joaquin. No. 889,310; June 2; Sp. p. 232; Dr. p. 57; Gaz. vol. 134; p. 1096.
- Wheels, Ice-creat for traction-. T. D. Ulrich. No. 885,205; Apr. 21; Sp. p. 3181; Dr. p. 665; Gaz. vol. 133; p. 1753.
- Wheels, Making metal. C. T. Schoen. No. 903,010; Nov. 3; Sp. p. 968; Gaz. vol. 137; p. 160.
- Wheels of vehicles, Non-skidding device for. H. H. Kenshole. No. 899,056; Sept. 22; Sp. p. 3580; Dr. p. 767; Gaz. vol. 136; p. 676.
- Wheels on axles, Means for securing. D. Ballif. No. 897,444; Sept. 1; Sp. p. 423; Dr. p. 90; Gaz. vol. 136; p. 66.
- Wheels, Pneumatic tire for. C. S. and J. A. Challiner. No. 906,487; Dec. 8; Sp. p. 2661; Gaz. vol. 137; p. 1459.
- Wheelbarrow. J. Ferguson. No. 879,861; Feb. 25; Sp. p. 4080; Dr. p. 855; Gaz. vol. 132; p. 1598.
- Wheelbarrow. B. S. Gier and H. M. Verplanck. No. 887,387; May 12; Sp. p. 2166; Dr. p. 453; Gaz. vol. 134; p. 375.
- Wheelbarrow. C. A. Baker. No. 888,216; May 19; Sp. p. 3777; Dr. p. 792; Gaz. vol. 134; p. 675.
- Wheelbarrow. A. O. Hubbard. No. 890,359; June 9; Sp. p. 2364; Dr. p. 521; Gaz. vol. 134; p. 1463.
- Wheelbarrow-clip. C. A. Baker. No. 888,055; May 19; Sp. p. 3477; Dr. p. 728; Gaz. vol. 134; p. 624.
- Wheelbarrow-trays, Machine for trimming and beading. J. M. Skinner. No. 888,429; May 19; Sp. p. 4202; Dr. pp. 891-2; Gaz. vol. 134; p. 745.
- Wheelbarrow-wheel. S. F. Phillips. No. 876,585; Jan. 14; Sp. p. 1840; Dr. p. 402; Gaz. vol. 132; p. 331.
- Wheelwright-machine. J. G. Stoen. No. 891,745; June 23; Sp. p. 5199; Dr. pp. 1123-4; Gaz. vol. 134; p. 1981.
- Wheelwright-machine. A. H. Wilson. No. 898,811; Sept. 15; Sp. p. 3135; Dr. pp. 671-2; Gaz. vol. 136; p. 570.
- Wheelwright-machine. J. K. Richmond. No. 896,579; Aug. 18; Sp. p. 3579; Dr. p. 770; Gaz. vol. 135; p. 1529.
- Whiffletree. W. Grafe. No. 876,711; Jan. 14; Sp. p. 2110; Dr. pp. 459-60; Gaz. vol. 132; p. 373.
- Whiffletree. J. E. Moan. No. 880,231; Feb. 25; Sp. p. 4843; Dr. p. 1024; Gaz. vol. 132; p. 1721.
- Whiffletree. G. F. Danielson. No. 882,748; Mar. 24; Sp. p. 4490; Dr. p. 956; Gaz. vol. 133; p. 834.
- Whiffletree. F. Reed. No. 892,622; July 7; Sp. p. 436; Dr. p. 95; Gaz. vol. 135; p. 80.
- Whiffletree. A. O. Heimsness. No. 897,740; Sept. 1; Sp. p. 1006; Dr. p. 214; Gaz. vol. 136; p. 162.
- Whiffletree. J. E. McCorkle. No. 903,305; Nov. 10; Sp. p. 1534; Gaz. vol. 137; p. 283.
- Whiffletree attachment. E. C. Coffin. No. 884,715; Apr. 14; Sp. p. 2154; Dr. p. 458; Gaz. vol. 133; p. 1562.
- Whiffletree attachment. J. Unger. No. 899,923; Sept. 29; Sp. p. 5334; Dr. p. 1139; Gaz. vol. 136; p. 994.
- Whiffletree-clip. A. Miller. No. 888,632; May 26; Sp. p. 4630; Dr. p. 982; Gaz. vol. 134; p. 845.
- Whiffletree-coupling. W. W. Hills. No. 884,388; Apr. 14; Sp. p. 1461; Dr. p. 311; Gaz. vol. 133; p. 1455.
- Whiffletree-hook. J. H. Rabe. No. 885,518; Apr. 21; Sp. p. 3774; Dr. p. 794; Gaz. vol. 133; p. 1853.
- Whiffletree-hook. L. Morgan. No. 890,082; June 9; Sp. p. 1774; Dr. p. 392; Gaz. vol. 134; p. 1372.
- Whiffletree safety attachment. H. L. Rued. No. 899,722; June 2; Sp. p. 1049; Dr. p. 242; Gaz. vol. 134; p. 1227.
- Whip. W. E. Wright. No. 880,951; Mar. 3; Sp. p. 935; Dr. p. 202; Gaz. vol. 133; p. 158.
- Whip-fastener. H. Lowery. No. 907,514; Dec. 22; Sp. p. 4669; Gaz. vol. 137; p. 1853.
- Whip-holder. T. M. Nelson. No. 900,193; Oct. 6; Sp. p. 257; Dr. p. 52; Gaz. vol. 136; p. 1114.
- Whip-lock. G. H. Voelker and T. E. Lynch, Jr. No. 875,753; Jan. 7; Sp. p. 151; Dr. p. 33; Gaz. vol. 132; p. 29.
- Whip-lock. H. C. Laudermlilch. No. 892,273; June 30; Sp. p. 6258; Dr. p. 1347; Gaz. vol. 134; p. 2188.
- Whip-lock. W. H. Heiliger. No. 899,695; Sept. 29; Sp. p. 4850; Dr. p. 1039; Gaz. vol. 136; p. 919.
- Whip-lock. W. J. Arnett. No. 902,129; Oct. 27; Sp. p. 4303; Dr. p. 872; Gaz. vol. 136; p. 1837.
- Whip-snap fastener. P. E. Gold. No. 904,610; Nov. 24; Sp. p. 4256; Gaz. vol. 137; p. 775.
- Whip-socket. C. E. Pierce. No. 876,658; Jan. 14; Sp. p. 2014; Dr. p. 439; Gaz. vol. 132; p. 357.
- Whip-socket. T. Martin. No. 878,974; Feb. 11; Sp. p. 2234; Dr. p. 467; Gaz. vol. 132; p. 1235.
- Whip-socket. L. Setzer. No. 881,203; Mar. 10; Sp. p. 1406; Dr. p. 304; Gaz. vol. 133; p. 269.
- Whip-socket. G. F. Stanfield. No. 906,324; Dec. 8; Sp. p. 2379; Gaz. vol. 137; p. 1407.
- Whip-socket. B. O. Nelson. No. 906,549; Dec. 15; Sp. p. 2780; Gaz. vol. 137; p. 1504.
- Whip-socket lock. H. R. Arnold. No. 908,062; Dec. 29; Sp. p. 5841; Gaz. vol. 137; p. 2062.
- Whip-socket, Lock-equipped. M. Ellingson. No. 902,218; Oct. 27; Sp. p. 4421; Dr. p. 907; Gaz. vol. 136; p. 1865.
- Whip-socket, Locking. F. Bergholm. No. 892,390; July 7; Sp. p. 4; Dr. p. 2; Gaz. vol. 135; p. 3.
- Whirligig. P. E. Smith. No. 899,686; Sept. 29; Sp. p. 4834; Dr. p. 1035; Gaz. vol. 136; p. 916.
- Whirlpool, Artificial. W. W. Devore. No. 904,848; Nov. 24; Sp. p. 4775; Gaz. vol. 137; p. 856.
- Whisk and broom holder. J. F. Wyher. No. 877,277; Jan. 21; Sp. p. 3285; Dr. p. 711; Gaz. vol. 132; p. 601.
- Whiskyaging and agitating machine. D. Farnum and C. R. Anderson. No. 876,534; Jan. 14; Sp. p. 1726; Dr. p. 375; Gaz. vol. 132; p. 313.
- Whistle. F. Strauss. No. 889,345; June 2; Sp. p. 297; Dr. p. 70; Gaz. vol. 134; p. 1106.
- Whistle. W. E. White and L. K. Hof. No. 906,594; Dec. 15; Sp. p. 2858; Gaz. vol. 137; p. 1518.
- Whistle. H. W. Aylward. No. 908,063; Dec. 29; Sp. p. 5842; Gaz. vol. 137; p. 2063.
- Wick for wax matches, tapers, candles, &c. J. E. and G. W. Glenister. No. 908,242; Dec. 29; Sp. p. 6245; Gaz. vol. 137; p. 2124.
- Wick hook, Lamp-. M. O. Smith. No. 876,663; Jan. 14; Sp. p. 2020; Dr. p. 441; Gaz. vol. 132; p. 358.

Alphabetical list of inventions—Continued.

- Wickless burner for liquid combustibles. C. Hennig. No. 896,110; Aug. 18; Sp. p. 2658; Dr. p. 573; Gaz. vol. 135; p. 1377.
- Winch. V. W. Mason. No. 901,719; Oct. 20; Sp. p. 3490; Dr. p. 706; Gaz. vol. 136; p. 1676.
- Winch or the like for use with cords or ropes subject to tension. B. Percival. No. 889,961; June 9; Sp. p. 1525; Dr. pp. 344-5; Gaz. vol. 134; p. 1330.
- Wind-actuated ventilator. J. Escher. No. 901,085; Oct. 13; Sp. p. 2131; Dr. p. 434; Gaz. vol. 136; p. 1431.
- Wind-gage and elevator, Combined. W. J. C. Downey. No. 887,605; May 12; Sp. p. 2582; Dr. p. 545; Gaz. vol. 134; p. 446.
- Wind-guard. H. H. McGiffin and E. H. McCauley. No. 880,461; Feb. 25; Sp. p. 5309; Dr. p. 1117; Gaz. vol. 132; p. 1798.
- Wind-instrument, Brass. C. G. Conn. No. 887,921; May 19; Sp. p. 3224; Dr. p. 678; Gaz. vol. 134; p. 581.
- Wind-instrument mouthpiece. T. Martens. No. 877,786; Jan. 28; Sp. p. 4275; Dr. p. 928; Gaz. vol. 132; p. 785.
- Wind-motor. D. D. McIntyre. No. 880,321; Feb. 25; Sp. p. 5009; Dr. p. 1057; Gaz. vol. 132; p. 1750.
- Wind-motor, Oscillating. D. D. McIntyre. No. 890,440; June 9; Sp. p. 2506; Dr. p. 554; Gaz. vol. 134; p. 1489.
- Wind-shield. J. Webster. No. 883,261; Mar. 31; Sp. p. 5527; Dr. p. 1179; Gaz. vol. 133; p. 1032.
- Wind-shield. C. F. Barnard and W. R. Johnston. No. 887,179; May 12; Sp. p. 1656; Dr. p. 352; Gaz. vol. 134; p. 304.
- Wind-shield. O. C. Graff. No. 891,537; June 23; Sp. p. 4770; Dr. p. 1032; Gaz. vol. 134; p. 1912.
- Wind-strip. J. S. Sewell. No. 886,878; May 5; Sp. p. 1089; Dr. pp. 228-9; Gaz. vol. 134; p. 179.
- Wind-wheel. M. Bradford. No. 891,458; June 23; Sp. p. 4603; Dr. pp. 1000-1; Gaz. vol. 134; p. 1887.
- Wind-wheel. A. M. Pacey. No. 897,132; Aug. 25; Sp. p. 4756; Dr. p. 1013; Gaz. vol. 135; p. 1735.
- Windmill. J. H. Kappelmann. No. 877,434; Jan. 21; Sp. p. 3584; Dr. p. 775; Gaz. vol. 132; p. 652.
- Windmill. A. F. George. No. 879,161; Feb. 18; Sp. p. 2621; Dr. pp. 545-6; Gaz. vol. 132; p. 1337.
- Windmill. A. F. George. No. 879,162; Feb. 18; Sp. p. 2624; Dr. pp. 546-7; Gaz. vol. 132; p. 1337.
- Windmill. A. F. George. No. 880,518; Mar. 3; Sp. p. 49; Dr. p. 12; Gaz. vol. 133; p. 12.
- Windmill. H. H. Macomber. No. 882,644; Mar. 24; Sp. p. 4284; Dr. p. 908; Gaz. vol. 133; p. 801.
- Windmill. B. E. Cassell. No. 882,871; Mar. 24; Sp. p. 4741; Dr. p. 1008; Gaz. vol. 133; p. 874.
- Windmill. A. J. Anderson. No. 889,290; June 2; Sp. p. 193; Dr. pp. 48-9; Gaz. vol. 134; p. 1088.
- Windmill. H. G. Tucker. No. 889,413; June 2; Sp. p. 445; Dr. p. 106; Gaz. vol. 134; p. 1129.
- Windmill. H. H. Macomber. (Reissue.) No. 12,804; June 2; Sp. p. 1362; Dr. p. 310; Gaz. vol. 134; p. 1281.
- Windmill. J. A. Carlson. No. 893,052; July 14; Sp. p. 1355; Dr. p. 286; Gaz. vol. 135; p. 251.
- Windmill. R. G. Finch. No. 900,504; Oct. 6; Sp. p. 937; Dr. p. 190; Gaz. vol. 136; p. 1215.
- Windmill. G. Halverson. No. 903,374; Nov. 10; Sp. p. 1669; Gaz. vol. 137; p. 306.
- Windmill. L. Johnson. No. 905,538; Dec. 1; Sp. p. 868; Gaz. vol. 137; p. 1121.
- Windmill attachment. E. E. Goodwin. No. 879,099; Feb. 11; Sp. p. 2481; Dr. p. 517; Gaz. vol. 132; p. 1274.
- Windmill device. H. N. Cox. No. 894,189; July 28; Sp. p. 3785; Dr. p. 784; Gaz. vol. 135; p. 674.
- Windmill-frame. L. W. Noyes. No. 897,990; Sept. 1; Sp. p. 304; Dr. p. 63; Gaz. vol. 136; p. 47.
- Windmill-gear. O. L. Huffman. No. 900,544; Oct. 6; Sp. p. 1016; Dr. pp. 206-7; Gaz. vol. 136; p. 1223.
- Windmill-gearing. H. E. Brown. No. 877,701; Jan. 28; Sp. p. 4126; Dr. p. 893; Gaz. vol. 132; p. 759.
- Windmill-gearing. M. Keys. No. 899,872; Sept. 29; Sp. p. 5242; Dr. p. 1120; Gaz. vol. 136; p. 979.
- Windmill-regulator. L. S. Hagerman. No. 885,844; Apr. 28; Sp. p. 4482; Dr. p. 941; Gaz. vol. 133; p. 1988.
- Windmill, Vaneless. C. A. Whiting. No. 904,166; Nov. 17; Sp. p. 3325; Gaz. vol. 137; p. 600.
- Winder. C. Wiebke. No. 902,787; Nov. 3; Sp. p. 489; Gaz. vol. 137; p. 85.
- Winder, Bobbin-. E. Walder. No. 892,783; July 7; Sp. p. 767; Dr. pp. 162-3; Gaz. vol. 135; p. 132.
- Winders, Machine for covering board-. J. W. Lacroix. No. 892,597; July 7; Sp. p. 389; Dr. p. 86; Gaz. vol. 135; p. 72.
- Winding and cutting machine. C. A. Marquis. No. 878,079; Feb. 4; Sp. p. 378; Dr. pp. 78-9; Gaz. vol. 132; p. 909.
- Winding and placing under pressure a thread coated with non-fibrous and adhesive material, Machine for. E. D. C. Bayne and L. A. Subers. No. 885,220; Apr. 21; Sp. p. 3210; Dr. p. 670; Gaz. vol. 133; p. 1758.
- Winding-drum rope-guide. S. H. Libby. No. 907,825; Dec. 29; Sp. p. 5351; Gaz. vol. 137; p. 1986.
- Winding-indicator. S. Kahan. No. 904,332; Nov. 17; Sp. p. 3699; Gaz. vol. 137; p. 657.
- Winding-machine. F. Meisel. No. 875,941; Jan. 7; Sp. p. 484; Dr. p. 104; Gaz. vol. 132; p. 87.
- Winding-machine. E. B. Bryant. No. 876,261; Jan. 7; Sp. p. 1116; Dr. pp. 241-2; Gaz. vol. 132; p. 189.
- Winding-machine. S. W. Wardwell. No. 881,210; Mar. 10; Sp. p. 1420; Dr. p. 307; Gaz. vol. 133; p. 271.
- Winding-machine. S. W. Wardwell. No. 881,211; Mar. 10; Sp. p. 1425; Dr. p. 308; Gaz. vol. 133; p. 272.
- Winding-machine. C. E. Otto. No. 884,104; Apr. 7; Sp. p. 880; Dr. pp. 185-6; Gaz. vol. 133; p. 1333.
- Winding-machine. J. G. Callan. No. 890,601; June 16; Sp. p. 2843; Dr. pp. 625-7; Gaz. vol. 134; p. 1574.
- Winding-machine. J. H. Lendi and A. H. Simmons. No. 894,273; July 28; Sp. p. 3979; Dr. pp. 820-1; Gaz. vol. 135; p. 702.
- Winding-machine. J. F. Gordon. No. 898,459; Sept. 15; Sp. p. 2465; Dr. pp. 527-8; Gaz. vol. 136; p. 457.
- Winding-machine. L. M. Morrow and J. M. Foster. No. 899,423; Sept. 22; Sp. p. 4288; Dr. pp. 920-1; Gaz. vol. 136; p. 795.
- Winding machine, Bobbin-. W. D. Rundlett. No. 879,798; Feb. 18; Sp. p. 3905; Dr. p. 818; Gaz. vol. 132; p. 1544.
- Winding-machine bracket-hanger. T. Lewis. No. 879,562; Feb. 18; Sp. p. 3432; Dr. p. 719; Gaz. vol. 132; p. 1467.
- Winding machine, Coil-. F. R. Kunkel. No. 882,253; Mar. 17; Sp. p. 3532; Dr. p. 749; Gaz. vol. 133; p. 638.
- Winding machine, Quill or cop. E. Bradley. No. 897,191; Aug. 25; Sp. p. 4857; Dr. p. 1033; Gaz. vol. 135; p. 1751.
- Winding-machine reel. C. W. Pilschuer. No. 881,149; Mar. 10; Sp. p. 1314; Dr. p. 284; Gaz. vol. 133; p. 254.
- Winding-machine stop-motion and regulator. T. Wright. No. 880,853; Mar. 3; Sp. p. 754; Dr. p. 160; Gaz. vol. 133; p. 127.
- Winding machine, Thread-. T. Hansen. No. 895,455; Aug. 11; Sp. p. 1363; Dr. pp. 287-8; Gaz. vol. 135; p. 1143.
- Winding machine, Twine-. C. P. Mitchell. No. 883,116; Mar. 24; Sp. p. 5208; Dr. p. 1113-14; Gaz. vol. 133; p. 954.
- Winding machines, Manufacture of papercones for yarn-. W. F. Smith. No. 886,884; May 5; Sp. p. 1107; Dr. p. 232; Gaz. vol. 134; p. 181.
- Winding machinery, Brake-gear for. H. J. Debauche. No. 900,671; Oct. 6; Sp. p. 1284; Dr. p. 252; Gaz. vol. 136; p. 1270.
- Winding mechanism. C. Wiebke. No. 902,789; Nov. 3; Sp. p. 492; Gaz. vol. 137; p. 86.
- Winding mechanism, Line-. H. A. and N. Krause. No. 905,329; Dec. 1; Sp. p. 390; Gaz. vol. 137; p. 1051.
- Winding-roll tension device. C. J. Harter. No. 880,261; Feb. 18; Sp. p. 2803; Dr. p. 588; Gaz. vol. 132; p. 1370.
- Winding, spinning, and twisting machines, Bobbin and cop builder for. J. S. Berard. No. 905,049; Nov. 24; Sp. p. 5174; Gaz. vol. 137; p. 923.
- Windlass. A. D. Hulburt. No. 907,803; Dec. 29; Sp. p. 5309; Gaz. vol. 137; p. 1979.
- Windlass, Sweep-operated. A. C. Van Slyke. No. 902,701; Nov. 3; Sp. p. 336; Gaz. vol. 137; p. 56.
- Window. A. Straubhaar. No. 878,253; Feb. 4; Sp. p. 742; Dr. p. 149; Gaz. vol. 132; p. 968.
- Window. S. U. Barr. No. 879,832; Feb. 18; Sp. p. 3989; Dr. p. 835; Gaz. vol. 132; p. 1556.
- Window. J. Emenaker. No. 883,130; Mar. 24; Sp. p. 5244; Dr. pp. 1119-20; Gaz. vol. 133; p. 958.
- Window. H. J. Davison. No. 883,177; Mar. 31; Sp. p. 5347; Dr. pp. 1138-9; Gaz. vol. 133; p. 1004.
- Window. M. Levin. No. 887,046; May 5; Sp. p. 1401; Dr. p. 297; Gaz. vol. 134; p. 233.
- Window. U. G. McQueen. No. 889,255; June 2; Sp. p. 117; Dr. p. 28; Gaz. vol. 134; p. 1078.
- Window. O. M. Edwards. No. 890,626; June 16; Sp. p. 2901; Dr. pp. 637-8; Gaz. vol. 134; p. 1583.
- Window. C. D. Tabor. No. 890,726; June 16; Sp. p. 3114; Dr. pp. 633-4; Gaz. vol. 134; p. 1615.
- Window. S. U. Barr. No. 891,133; June 16; Sp. p. 3919; Dr. p. 858; Gaz. vol. 134; p. 1747.
- Window. A. Merz and J. A. Heine. No. 892,605; July 7; Sp. p. 400; Dr. p. 88; Gaz. vol. 135; p. 74.
- Window. W. Hill. No. 895,402; Aug. 4; Sp. p. 1246; Dr. p. 263; Gaz. vol. 135; p. 1102.
- Window. B. A. Warlick. No. 897,435; Sept. 1; Sp. p. 403; Dr. p. 86; Gaz. vol. 136; p. 62.
- Window. S. U. Barr. No. 897,703; Sept. 1; Sp. p. 937; Dr. p. 199; Gaz. vol. 136; p. 150.
- Window. W. J. Summerbell. No. 900,893; Oct. 13; Sp. p. 1752; Dr. pp. 354-5; Gaz. vol. 136; p. 1369.
- Window. O. M. Edwards. No. 902,060; Oct. 27; Sp. p. 4171; Dr. p. 845; Gaz. vol. 136; p. 1315.
- Window. D. Beebe. No. 903,268; Nov. 10; Sp. p. 1473; Gaz. vol. 137; p. 268.
- Window. A. C. Goddard. No. 903,706; Nov. 10; Sp. p. 2345; Gaz. vol. 137; p. 412.
- Window. A. Corbeille. No. 908,394; Dec. 29; Sp. p. 6558; Gaz. vol. 137; p. 2177.
- Window and balance, Sash. J. Nerón. No. 891,853; June 30; Sp. p. 5443; Dr. p. 1177; Gaz. vol. 134; p. 2050.
- Window and door screen. D. D. Pinkham. No. 903,500; Nov. 10; Sp. p. 1932; Gaz. vol. 137; p. 348.
- Window and door screens, &c., Joint for. J. H. Diamond. No. 891,604; June 23; Sp. p. 4900; Dr. pp. 1056-7; Gaz. vol. 134; p. 1933.
- Window and porch jack, Continued. W. B. Stoops. No. 894,295; July 28; Sp. p. 4027; Dr. p. 831; Gaz. vol. 135; p. 709.
- Window and screen therefor. M. A. Dietrick. No. 884,803; Apr. 14; Sp. p. 2338; Dr. p. 492; Gaz. vol. 133; p. 1592.
- Window and show-case construction, Show-. C. M. Conley. No. 876,299; Jan. 7; Sp. p. 1215; Dr. p. 265; Gaz. vol. 132; p. 203.
- Window attachment. F. S. Burgess. No. 879,811; Feb. 18; Sp. p. 3928; Dr. p. 824; Gaz. vol. 132; p. 1548.
- Window blinds and shades, Combined automatic duster and brake for. F. J. Watkinson. No. 907,429; Dec. 22; Sp. p. 4506; Gaz. vol. 137; p. 1825.
- Window-box support. L. G. Quackenboss. No. 880,634; Mar. 3; Sp. p. 398; Dr. p. 86; Gaz. vol. 133; p. 71.
- Window, Casement-. E. P. Sperry. No. 888,545; May 26; Sp. p. 4446; Dr. p. 941; Gaz. vol. 134; p. 815.
- Window-catch. A. Macdonald. No. 898,491; Sept. 15; Sp. p. 2524; Dr. p. 540; Gaz. vol. 136; p. 467.
- Window-catch, Safety. L. D. Way. No. 880,610; Mar. 3; Sp. p. 247; Dr. p. 51; Gaz. vol. 133; p. 43.

Alphabetical list of inventions—Continued.

- Window catch, Swinging-. P. Boggio. No. 885,974; Apr. 28; Sp. p. 4760; Dr. p. 1000; Gaz. vol. 133; p. 2033.
- Window-chair. J. Wartenberg. No. 888,210; May 19; Sp. p. 3767; Dr. p. 790; Gaz. vol. 134; p. 673.
- Window-chair. H. J. Frey. No. 901,801; Oct. 20; Sp. p. 3654; Dr. p. 740; Gaz. vol. 136; p. 1703.
- Window-cleaner. O. Caesar. No. 887,585; May 12; Sp. p. 2550; Dr. p. 538; Gaz. vol. 134; p. 440.
- Window-cleaner. G. C. Dwight. No. 897,605; Sept. 1; Sp. p. 747; Dr. p. 158; Gaz. vol. 136; p. 119.
- Window-cleaner. G. L. Holland. No. 902,881; Nov. 3; Sp. p. 718; Gaz. vol. 137; p. 118.
- Window-cleaner. H. J. Spoorendonk. No. 905,945; Dec. 8; Sp. p. 1641; Gaz. vol. 137; p. 1283.
- Window-cleaner attachment. E. A. Carlson. No. 898,316; Sept. 8; Sp. p. 2180; Dr. p. 462; Gaz. vol. 136; p. 377.
- Window-cleaning device. I. Fluegelman. No. 893,231; July 14; Sp. p. 1705; Dr. p. 360; Gaz. vol. 135; p. 308.
- Window-cleaning device. J. W. Allison. No. 895,223; Aug. 4; Sp. p. 895; Dr. p. 187; Gaz. vol. 135; p. 1044.
- Window-cleaning device. A. S. Anderson. No. 907,553; Dec. 22; Sp. p. 4735; Gaz. vol. 137; p. 1865.
- Window-closing device, Automatic. D. MacVicar and C. A. Magaw. No. 908,020; Dec. 29; Sp. p. 5767; Gaz. vol. 137; p. 2049.
- Window construction. C. E. Stose. No. 885,703; Apr. 21; Sp. p. 4172; Dr. p. 874; Gaz. vol. 133; p. 1911.
- Window construction. E. H. Lunken and H. Ritter. No. 902,980; Nov. 3; Sp. p. 895; Gaz. vol. 137; p. 149.
- Window construction, Fireproof. E. H. Lunken and C. M. Conklin. No. 902,979; Nov. 3; Sp. p. 891; Gaz. vol. 137; p. 149.
- Window construction, Fireproof. C. M. Conklin and E. H. Lunken. No. 903,058; Nov. 3; Sp. p. 1056; Gaz. vol. 137; p. 173.
- Window construction, Metal. G. H. Forsyth. No. 882,671; Mar. 24; Sp. p. 4334; Dr. p. 923; Gaz. vol. 133; p. 809.
- Window construction, Removable. O. Jaeger. No. 907,367; Dec. 22; Sp. p. 4372; Gaz. vol. 137; p. 1803.
- Window construction, Sheet-metal. E. A. Sanders. No. 888,657; May 26; Sp. p. 4686; Dr. pp. 995-6; Gaz. vol. 34; p. 853.
- Window-fastener. F. C. Johnson. No. 890,062; June 9; Sp. p. 1743; Dr. p. 386; Gaz. vol. 134; p. 1366.
- Window-fastener. A. G. Howland. No. 897,623; Sept. 1; Sp. p. 784; Dr. p. 165; Gaz. vol. 136; p. 124.
- Window fastener, Show-. G. C. Marr. No. 888,919; May 26; Sp. p. 5247; Dr. p. 1113; Gaz. vol. 134; p. 939.
- Window-fastening device, Outside-. S. S. Brown. No. 897,871; Sept. 8; Sp. p. 1288; Dr. p. 275; Gaz. vol. 136; p. 235.
- Window-frame. J. Lang. No. 882,152; Mar. 17; Sp. p. 3327; Dr. pp. 708-9; Gaz. vol. 133; p. 605.
- Window-frame. A. Y. Lee. No. 887,105; May 12; Sp. p. 1534; Dr. p. 324; Gaz. vol. 134; p. 281.
- Window-frame. O. F. Mann. No. 887,407; May 12; Sp. p. 2206; Dr. p. 461; Gaz. vol. 134; p. 381.
- Window frame and sash. T. A. Hodgson. No. 881,239; Mar. 10; Sp. p. 1494; Dr. p. 321; Gaz. vol. 133; p. 282.
- Window-frame, Metal. R. Pirsch. No. 893,771; Nov. 10; Sp. p. 2463; Gaz. vol. 137; p. 432.
- Window-frame, Weatherproof. W. S. Brickell. No. 881,052; Mar. 3; Sp. p. 1117; Dr. p. 242; Gaz. vol. 133; p. 191.
- Window-front construction. F. M. Jackson. No. 897,372; Sept. 1; Sp. p. 267; Dr. p. 55; Gaz. vol. 136; p. 40.
- Window-guard. S. R. Wells. No. 879,342; Feb. 18; Sp. p. 2955; Dr. p. 616; Gaz. vol. 132; p. 1396.
- Window-guard. H. H. Ashlock. No. 895,832; Aug. 11; Sp. p. 2125; Dr. p. 450; Gaz. vol. 135; p. 1266.
- Window, Horizontally-pivoted. G. B. and G. H. Babcock. No. 888,215; May 19; Sp. p. 3775; Dr. p. 792; Gaz. vol. 134; p. 675.
- Window, Iron-frame. A. Packscher. No. 899,610; Sept. 29; Sp. p. 4680; Dr. p. 1004; Gaz. vol. 136; p. 894.
- Window-lifter. N. R. Evans. No. 899,009; Sept. 15; Sp. p. 3489; Dr. p. 747; Gaz. vol. 136; p. 634.
- Window-lock. C. M. Kinsey. No. 877,088; Jan. 21; Sp. p. 2831; Dr. p. 622; Gaz. vol. 132; p. 537.
- Window-lock. A. Anderson. No. 880,265; Feb. 25; Sp. p. 4908; Dr. p. 1038; Gaz. vol. 132; p. 1732.
- Window-lock. W. E. Foulson. No. 886,853; May 5; Sp. p. 1046; Dr. p. 220; Gaz. vol. 134; p. 171.
- Window-lock. O. Graichen. No. 894,495; July 28; Sp. p. 4428; Dr. p. 916; Gaz. vol. 135; p. 776.
- Window-lock. L. G. Miller. No. 898,763; Sept. 15; Sp. p. 3047; Dr. p. 653; Gaz. vol. 136; p. 554.
- Window-lock. C. C. Higgins. No. 900,539; Oct. 6; Sp. p. 1004; Dr. p. 204; Gaz. vol. 136; p. 1227.
- Window-lock. G. O. Keller. No. 901,178; Oct. 13; Sp. p. 2294; Dr. p. 468; Gaz. vol. 136; p. 1460.
- Window-lock. C. Rosine. No. 908,143; Dec. 29; Sp. p. 6011; Gaz. vol. 137; p. 2090.
- Window lock or latch. E. A. Marsh. No. 883,555; Mar. 31; Sp. p. 6153; Dr. p. 1308; Gaz. vol. 133; p. 1126.
- Window-lock, Rolling. G. A. Gray. No. 906,010; Dec. 8; Sp. p. 1767; Gaz. vol. 137; p. 1303.
- Window-operating apparatus. W. B. Strong. No. 906,749; Dec. 15; Sp. p. 3163; Gaz. vol. 137; p. 1567.
- Window-operating mechanism. C. P. Pond. No. 886,851; May 5; Sp. p. 1042; Dr. pp. 219-20; Gaz. vol. 134; p. 171.
- Window or like screen. C. C. Armstrong. No. 881,232; Mar. 10; Sp. p. 1586; Dr. p. 339; Gaz. vol. 133; p. 296.
- Window or shutter operating device. A. K. Lovell. No. 881,477; Mar. 10; Sp. p. 1969; Dr. pp. 428-9; Gaz. vol. 133; p. 358.
- Window-pane fastener. J. C. Crowson. No. 888,424; May 19; Sp. p. 4193; Dr. p. 889; Gaz. vol. 134; p. 743.
- Window-pane fastener. A. Billings. No. 901,148; Oct. 13; Sp. p. 2245; Dr. p. 456; Gaz. vol. 136; p. 1451.
- Window-platform. S. Pongo. No. 906,925; Dec. 15; Sp. p. 3496; Gaz. vol. 137; p. 1623.
- Window protective shield. A. Bennerscheidt. No. 881,455; Mar. 10; Sp. p. 1919; Dr. p. 418; Gaz. vol. 133; p. 350.
- Window-rest and escape-ladder, Combined. J. J. Hersche. No. 886,605; May 5; Sp. p. 522; Dr. p. 112; Gaz. vol. 134; p. 93.
- Window, Reversible. G. J. Miller. No. 903,103; Nov. 3; Sp. p. 1136; Gaz. vol. 137; p. 186.
- Window safety ventilating-stop. A. Rosenberg. No. 888,039; May 19; Sp. p. 3447; Dr. p. 724; Gaz. vol. 134; p. 619.
- Window-sash lift and fastener. J. Keller. No. 905,883; Dec. 8; Sp. p. 1523; Gaz. vol. 137; p. 1263.
- Window-screen. C. H. Knowles. No. 875,826; Jan. 7; Sp. p. 280; Dr. p. 61; Gaz. vol. 132; p. 52.
- Window-screen. M. Solmsch. No. 875,961; Jan. 7; Sp. p. 533; Dr. p. 114; Gaz. vol. 132; p. 94.
- Window-screen. F. Burkhart. No. 882,778; Mar. 24; Sp. p. 4536; Dr. p. 968; Gaz. vol. 133; p. 842.
- Window-screen. B. C. Rockwell. No. 883,348; Mar. 31; Sp. p. 5690; Dr. p. 1215; Gaz. vol. 133; p. 1059.
- Window-screen. H. G. Steely. No. 885,097; Apr. 21; Sp. p. 2913; Dr. p. 618; Gaz. vol. 133; p. 1716.
- Window-screen. C. E. Hall. No. 885,673; Apr. 21; Sp. p. 4111; Dr. p. 861; Gaz. vol. 133; p. 1901.
- Window-screen. C. M. Conklin. No. 885,726; Apr. 28; Sp. p. 4230; Dr. p. 886; Gaz. vol. 133; p. 1949.
- Window-screen. F. E. Taylor. No. 889,064; May 26; Sp. p. 5505; Dr. p. 1170; Gaz. vol. 134; p. 984.
- Window-screen. W. J. Baker. No. 890,398; June 9; Sp. p. 2427; Dr. pp. 536-7; Gaz. vol. 134; p. 1474.
- Window-screen. H. C. Warfield. No. 892,918; July 7; Sp. p. 1070; Dr. p. 224; Gaz. vol. 135; p. 177.
- Window-screen. J. A. White. No. 898,539; Sept. 15; Sp. p. 2625; Dr. p. 562; Gaz. vol. 136; p. 482.
- Window-screen. M. Casson. No. 901,067; Oct. 13; Sp. p. 2098; Dr. p. 427; Gaz. vol. 136; p. 1426.
- Window-screen. E. Carney. No. 901,521; Oct. 20; Sp. p. 3062; Dr. p. 625; Gaz. vol. 136; p. 1611.
- Window-screen. J. M. Beahan. No. 905,634; Dec. 1; Sp. p. 1047; Gaz. vol. 137; p. 1151.
- Window-screen. J. M. Nelson. No. 906,914; Dec. 15; Sp. p. 3475; Gaz. vol. 137; p. 1619.
- Window-screen. G. N. Baker. No. 907,439; Dec. 22; Sp. p. 4530; Gaz. vol. 137; p. 1828.
- Window-screen. T. L. A. Hellwig. No. 908,260; Dec. 29; Sp. p. 6274; Gaz. vol. 137; p. 2130.
- Window-screen, Adjustable. E. A. Reitz. No. 902,110; Oct. 27; Sp. p. 4272; Dr. p. 866; Gaz. vol. 136; p. 1831.
- Window-screen and making the same. C. M. Conklin. No. 885,725; Apr. 28; Sp. p. 4228; Dr. p. 886; Gaz. vol. 133; p. 1948.
- Window-screen, Automatic folding. E. S. Stancliff. No. 875,861; Jan. 7; Sp. p. 341; Dr. p. 76; Gaz. vol. 132; p. 63.
- Window-screen bracket. W. S. Hood. No. 895,758; Aug. 11; Sp. p. 1963; Dr. p. 415; Gaz. vol. 135; p. 1242.
- Window-screen, Roller. C. J. Wallen. No. 881,507; Mar. 10; Sp. p. 2023; Dr. p. 441; Gaz. vol. 133; p. 367.
- Window-screen, Ventilating. G. H. Knight. No. 906,142; Dec. 8; Sp. p. 2017; Gaz. vol. 137; p. 1345.
- Window, Self-closing. E. H. Lunken and C. M. Conklin. No. 902,978; Nov. 3; Sp. p. 890; Gaz. vol. 137; p. 149.
- Window-shade trimmer. J. H. Cly. No. 906,387; Dec. 8; Sp. p. 2478; Gaz. vol. 137; p. 1426.
- Window shield and screen, Combined. A. R. Martin. No. 877,209; Jan. 21; Sp. p. 3152; Dr. p. 633; Gaz. vol. 132; p. 580.
- Window, Sliding. J. Stumpf. No. 901,208; Oct. 13; Sp. p. 2350; Dr. p. 481; Gaz. vol. 136; p. 1470.
- Window-stop. R. W. Hubbard. No. 902,967; Nov. 3; Sp. p. 869; Gaz. vol. 137; p. 145.
- Window, Store-. P. H. Morris. No. 884,404; Apr. 14; Sp. p. 1486; Dr. pp. 318-19; Gaz. vol. 133; p. 1460.
- Window, Swinging. G. H. Parker. No. 892,444; July 7; Sp. p. 110; Dr. p. 24; Gaz. vol. 135; p. 22.
- Window-swinging device. G. H. Parker. No. 889,483; June 2; Sp. p. 600; Dr. p. 140; Gaz. vol. 134; p. 1152.
- Window-ventilator. G. W. Kennedy. No. 880,538; Mar. 3; Sp. p. 84; Dr. p. 20; Gaz. vol. 133; p. 18.
- Window-ventilator. R. Taylor. No. 884,052; Apr. 7; Sp. p. 775; Dr. pp. 161-2; Gaz. vol. 133; p. 1317.
- Window-ventilator. L. S. Martin. No. 884,598; Apr. 14; Sp. p. 1889; Dr. p. 405; Gaz. vol. 133; p. 1523.
- Window-ventilator. J. L. Mallory. No. 886,714; May 5; Sp. p. 776; Dr. p. 159; Gaz. vol. 134; p. 129.
- Window-ventilator. C. A. Dirkes. No. 891,824; June 30; Sp. p. 5391; Dr. p. 1166; Gaz. vol. 134; p. 2040.
- Window-ventilator. H. V. Szczygiel. No. 904,100; Nov. 17; Sp. p. 3174; Gaz. vol. 137; p. 576.
- Window-ventilator. T. H. Garland. No. 904,125; Nov. 17; Sp. p. 3226; Gaz. vol. 137; p. 585.
- Window-ventilator. J. A. Shea. No. 905,241; Dec. 1; Sp. p. 236; Gaz. vol. 137; p. 1023.
- Window-ventilator and curtain-fixture. O. E. Brown. No. 885,140; Apr. 21; Sp. p. 3024; Dr. p. 638; Gaz. vol. 133; p. 1731.
- Window-washer. G. P. Young. No. 878,444; Feb. 4; Sp. p. 1094; Dr. p. 223; Gaz. vol. 132; p. 1029.
- Window-weight. G. W. Simmons. No. 890,535; June 9; Sp. p. 2686; Dr. p. 592; Gaz. vol. 134; p. 1519.
- Windows and doors, Antirattling device for. J. J. Halladay. No. 879,381; Feb. 18; Sp. p. 3044; Dr. p. 634; Gaz. vol. 132; p. 1408.
- Windows and the like, Light-distributor for. E. J. Dobbins. No. 893,060; July 14; Sp. p. 1370; Dr. p. 289; Gaz. vol. 135; p. 253.
- Windows, Antirattler for. A. O. Leger. No. 891,625; June 23; Sp. p. 4956; Dr. p. 1067; Gaz. vol. 134; p. 1941.
- Windows, Construction of wrought-iron. A. Filzamer. No. 897,077; Aug. 25; Sp. p. 4650; Dr. p. 990; Gaz. vol. 135; p. 1716.

Alphabetical list of inventions—Continued.

- Windrower. L. Franzmeier. No. 898,571; Sept. 15; Sp. p. 2683; Dr. p. 573; Gaz. vol. 136; p. 493.
 Windrowing attachment. W. Gaterman. No. 891,244; June 23; Sp. p. 4169; Dr. p. 913; Gaz. vol. 134; p. 1816.
 Winker-blind. W. L. Buerger. No. 883,287; Mar. 31; Sp. p. 5580; Dr. p. 1190; Gaz. vol. 133; p. 1041.
 Winker-brace clip. J. H. Schaaf. No. 894,467; July 28; Sp. p. 4374; Dr. p. 903; Gaz. vol. 135; p. 766.
 Winker-fork stays, Fastener for. E. B. Knapp. No. 896,215; Aug. 18; Sp. p. 2845; Dr. p. 613; Gaz. vol. 135; p. 1411.
 Winnowing-machine. F. F. Landis. No. 892,598; July 7; Sp. p. 392; Dr. p. 87; Gaz. vol. 135; p. 72.
 Wire, Apparatus for maintaining the tension of a moving. R. E. Manley. No. 881,812; Mar. 10; Sp. p. 2615; Dr. pp. 561-2; Gaz. vol. 133; p. 466.
 Wire balls to paper boxes, Machine for forming and applying. C. D. Grimes. (Reissue.) No. 12,835; July 28; Sp. p. 5032; Dr. pp. 1047-9; Gaz. vol. 135; p. 876.
 Wire-baking oven. H. B. Humphrey. No. 878,289; Feb. 4; Sp. p. 812; Dr. p. 162; Gaz. vol. 132; p. 979.
 Wire basket. T. J. Goodwin. No. 900,162; Oct. 6; Sp. p. 193; Dr. p. 39; Gaz. vol. 136; p. 1104.
 Wire basket. A. Kaspar. No. 906,634; Dec. 15; Sp. p. 2936; Gaz. vol. 137; p. 1530.
 Wire bed-bottom fabric. C. H. Halstead. No. 904,611; Nov. 24; Sp. p. 4257; Gaz. vol. 137; p. 776.
 Wire bed-bottom fabric. C. H. Halstead. No. 904,612; Nov. 24; Sp. p. 4258; Gaz. vol. 137; p. 776.
 Wire-bending device. A. H. Neller. No. 880,235; Feb. 25; Sp. p. 4850; Dr. p. 1026; Gaz. vol. 132; p. 1722.
 Wire-bending machine. W. A. Perkins. No. 905,917; Dec. 8; Sp. p. 1594; Gaz. vol. 137; p. 1275.
 Wire-bound box. J. J. Miller. No. 887,337; May 12; Sp. p. 2049; Dr. p. 428; Gaz. vol. 134; p. 359.
 Wire-bound box. E. E. Flora. No. 907,586; Dec. 22; Sp. p. 4830; Gaz. vol. 137; p. 1877.
 Wire bracket or holder and insulator. I. L. Edwards. No. 904,945; Nov. 24; Sp. p. 4979; Gaz. vol. 137; p. 888.
 Wire calk, Removable. G. S. Meyer. No. 892,282; June 30; Sp. p. 6275; Dr. p. 1351; Gaz. vol. 134; p. 2191.
 Wire-clamp. N. V. Hosack. No. 892,258; June 30; Sp. p. 6222; Dr. p. 1340; Gaz. vol. 134; p. 2182.
 Wire clamp, Ground-. K. B. Miller. No. 894,844; Aug. 4; Sp. p. 84; Dr. p. 18; Gaz. vol. 135; p. 914.
 Wire clamp or grip. J. H. Eubank. No. 881,311; Mar. 10; Sp. p. 1641; Dr. p. 351; Gaz. vol. 133; p. 306.
 Wire clamp or grip. G. H. Glass and G. A. Vint. No. 904,863; Nov. 24; Sp. p. 4817; Gaz. vol. 137; p. 862.
 Wire-clamps, Tool for making and applying. E. M. Coghlan. No. 902,804; Nov. 3; Sp. p. 521; Gaz. vol. 137; p. 91.
 Wire-cloth or other fabric, Frame for holding. C. C. Armstrong. No. 900,691; Oct. 13; Sp. p. 1336; Dr. p. 272; Gaz. vol. 136; p. 1305.
 Wire-coating machine. H. H. Webb. No. 876,755; Jan. 14; Sp. p. 2179; Dr. pp. 478-9; Gaz. vol. 132; p. 386.
 Wire-coating machine. J. G. Callan. No. 894,592; July 28; Sp. p. 4612; Dr. pp. 957-9; Gaz. vol. 135; p. 807.
 Wire coiling and weaving machine. W. J. Pine. No. 887,224; May 12; Sp. p. 1741; Dr. pp. 369-72; Gaz. vol. 134; p. 318.
 Wire-coiling machine. G. B. Smith. No. 889,265; June 2; Sp. p. 144; Dr. p. 35; Gaz. vol. 134; p. 1081.
 Wire-connector. J. J. Walsh. No. 875,872; Jan. 7; Sp. p. 362; Dr. p. 80; Gaz. vol. 132; p. 67.
 Wire-connector. H. W. Wyckoff. No. 902,040; Oct. 27; Sp. p. 4137; Dr. p. 838; Gaz. vol. 136; p. 1809.
 Wire-cutting device. C. Burdick. No. 889,177; May 26; Sp. p. 5767; Dr. p. 1220; Gaz. vol. 134; p. 1021.
 Wire-die safety appliance. J. H. Reece. No. 878,236; Feb. 4; Sp. p. 701; Dr. p. 144; Gaz. vol. 132; p. 960.
 Wire ends, Machine for connecting. J. W. Tower. No. 877,808; Jan. 28; Sp. p. 4309; Dr. p. 935; Gaz. vol. 132; p. 792.
 Wire ends, Sleeve for joining. F. W. Maxstadt. No. 878,816; Feb. 11; Sp. p. 1944; Dr. pp. 402-3; Gaz. vol. 132; p. 1188.
 Wire fabric. O. R. Hunt. No. 907,602; Dec. 22; Sp. p. 4864; Gaz. vol. 137; p. 1882.
 Wire fabric. O. H. Stuewe and R. G. Marquardt. No. 907,914; Dec. 29; Sp. p. 5535; Gaz. vol. 137; p. 2013.
 Wire fabric and attaching means therefor. M. W. Floto. No. 876,340; Jan. 14; Sp. p. 1299; Dr. p. 281; Gaz. vol. 132; p. 246.
 Wire fabric, Intermeshing. M. Scouegale. No. 890,878; June 16; Sp. p. 3418; Dr. p. 748; Gaz. vol. 134; p. 1665.
 Wire fabric, Woven-. I. J. Young. No. 884,883; Apr. 14; Sp. p. 2487; Dr. p. 525; Gaz. vol. 133; p. 1617.
 Wire fabrics, Machine for finishing and selvaging. O. Schmid. No. 889,815; June 2; Sp. p. 1214; Dr. pp. 280-1; Gaz. vol. 134; p. 1256.
 Wire fabrics, Rack for holding rolls of. J. T. Sappenfield. No. 896,251; Aug. 18; Sp. p. 2915; Dr. pp. 627-8; Gaz. vol. 135; p. 1424.
 Wire-fastener. J. R. Mullin and W. B. Williams. No. 884,189; Apr. 7; Sp. p. 1090; Dr. p. 227; Gaz. vol. 133; p. 1361.
 Wire-fastener. C. F. Sullivan. No. 893,555; July 14; Sp. p. 2378; Dr. p. 498; Gaz. vol. 135; p. 414.
 Wire-fastener. A. W. Burbury. No. 904,506; Nov. 24; Sp. p. 4061; Gaz. vol. 137; p. 741.
 Wire fastener, Line-. L. Stanton. No. 888,763; May 26; Sp. p. 4893; Dr. p. 1042; Gaz. vol. 134; p. 886.
 Wire feed and measuring-wheel, Warp-. F. L. Kelley. No. 904,068; Nov. 17; Sp. p. 3109; Gaz. vol. 137; p. 565.
 Wire-feed and nail-forming device. W. Wolfe. No. 883,126; Mar. 24; Sp. p. 5238; Dr. p. 1118; Gaz. vol. 133; p. 957.
 Wire fencing. E. F. Shellabarger. No. 904,496; Nov. 17; Sp. p. 4039; Gaz. vol. 137; p. 711.
 Wire furniture. W. H. Thomson. No. 887,150; May 12; Sp. p. 1604; Dr. p. 341; Gaz. vol. 134; p. 295.
 Wire furniture. W. H. Thomson. No. 906,577; Dec. 15; Sp. p. 2834; Gaz. vol. 137; p. 1513.
 Wire-grip. J. T. Gardner. No. 881,853; Mar. 10; Sp. p. 2698; Dr. p. 578; Gaz. vol. 133; p. 480.
 Wire handle for paper vessels. C. T. Bloomer. No. 878,331; Feb. 4; Sp. p. 892; Dr. p. 178; Gaz. vol. 132; p. 993.
 Wire into lightning-rods, Machine for twisting. A. J. Dooley. No. 895,440; Aug. 11; Sp. p. 1330; Dr. pp. 280-1; Gaz. vol. 135; p. 1139.
 Wire-lever stopper. W. Ortmann. No. 906,917; Dec. 15; Sp. p. 3478; Gaz. vol. 137; p. 1620.
 Wire-lifter. J. C. Seeland. No. 898,010; Sept. 8; Sp. p. 1592; Dr. p. 340; Gaz. vol. 136; p. 282.
 Wire-looper. H. W. Stone. No. 907,095; Dec. 15; Sp. p. 3791; Gaz. vol. 137; p. 1675.
 Wire machine, Barb-. W. A. Kilmer. No. 902,152; Oct. 27; Sp. p. 4348; Dr. pp. 880-2; Gaz. vol. 136; p. 1845.
 Wire-making machine, Barb-. A. L. Kitselman. No. 899,542; Sept. 29; Sp. p. 4539; Dr. pp. 975-7; Gaz. vol. 136; p. 871.
 Wire, Manufacture of barb-. E. F. Shellabarger. No. 904,096; Nov. 17; Sp. p. 3167; Gaz. vol. 137; p. 575.
 Wire, Manufacture of covered. C. V. Ackerman. No. 894,790; July 28; Sp. p. 4989; Dr. p. 1042; Gaz. vol. 135; p. 870.
 Wire-netting machine. A. E. Barlow. No. 902,198; Oct. 27; Sp. p. 4446; Dr. pp. 899-900; Gaz. vol. 136; p. 1859.
 Wire or rope tightening clamp. C. L. Larrabee. No. 889,530; June 2; Sp. p. 584; Dr. p. 157; Gaz. vol. 134; p. 1166.
 Wire pile fabrics from printed warps, Manufacturing. P. and C. Kappler. No. 902,413; Oct. 27; Sp. p. 4894; Dr. p. 991; Gaz. vol. 136; p. 1930.
 Wire pot-lid rack or wall-pocket. S. H. Sloan. No. 887,972; May 19; Sp. p. 3318; Dr. p. 698; Gaz. vol. 134; p. 597.
 Wire-puller. C. H. Herth. No. 903,818; Nov. 10; Sp. p. 2570; Gaz. vol. 137; p. 449.
 Wire-reel. W. O. Backes. No. 884,974; Apr. 14; Sp. p. 2668; Dr. p. 567; Gaz. vol. 133; p. 1644.
 Wire-reel. C. W. Stark. No. 886,160; Apr. 28; Sp. p. 5127; Dr. p. 1077; Gaz. vol. 133; p. 2091.
 Wire-reel. P. L. Johnson. No. 904,131; Nov. 17; Sp. p. 3242; Gaz. vol. 137; p. 588.
 Wire-reel. J. Ziegler. No. 905,974; Dec. 8; Sp. p. 1689; Gaz. vol. 137; p. 1291.
 Wire-reel, Automatic. C. E. Wallgreen. No. 880,114; Feb. 25; Sp. p. 4585; Dr. p. 966; Gaz. vol. 132; p. 1680.
 Wire-reels, Automatic safety appliance for. J. H. Reece. No. 878,235; Feb. 4; Sp. p. 698; Dr. p. 144; Gaz. vol. 132; p. 960.
 Wire reeling and unreeling machine. J. Brott. No. 907,963; Dec. 29; Sp. p. 5643; Gaz. vol. 137; p. 2029.
 Wire-rod-bending machine. M. J. Bartlett. No. 898,424; Sept. 15; Sp. p. 2388; Dr. pp. 510-12; Gaz. vol. 136; p. 446.
 Wire rods, Process of and apparatus for cooling. F. H. Daniels. No. 895,973; Aug. 11; Sp. p. 2401; Dr. p. 514; Gaz. vol. 135; p. 1311.
 Wire rope. O. Tangring. No. 883,759; Apr. 7; Sp. p. 157; Dr. p. 28; Gaz. vol. 133; p. 1219.
 Wire-rope clamp. F. B. Cook. No. 879,087; Feb. 11; Sp. p. 2460; Dr. p. 512; Gaz. vol. 132; p. 1271.
 Wire-rope transportation system. A. Horner. No. 906,230; Dec. 8; Sp. p. 2197; Gaz. vol. 137; p. 1376.
 Wire screen. C. B. Harrop. No. 878,728; Feb. 11; Sp. p. 1774; Dr. p. 367; Gaz. vol. 132; p. 1158.
 Wire-screen-cloth rack. C. E. Bennet. No. 892,214; June 30; Sp. p. 6144; Dr. p. 1323; Gaz. vol. 134; p. 2167.
 Wire shaft, Flexible. H. W. Webb. No. 887,160; May 12; Sp. p. 1617; Dr. p. 343; Gaz. vol. 134; p. 298.
 Wire shafts, Making flexible. H. W. Webb. No. 887,159; May 12; Sp. p. 1615; Dr. p. 343; Gaz. vol. 134; p. 297.
 Wire shaping and forming machine. H. J. Bragdon. No. 884,633; Apr. 14; Sp. p. 1949; Dr. p. 419; Gaz. vol. 133; p. 1534.
 Wire-splice. W. E. Huber. No. 902,406; Oct. 27; Sp. p. 4879; Dr. p. 987; Gaz. vol. 136; p. 1928.
 Wire splice or coupling. I. M. Botkin. No. 879,941; Feb. 25; Sp. p. 4256; Dr. p. 890; Gaz. vol. 132; p. 1625.
 Wire-splicer. G. M. Graham. No. 875,803; Jan. 7; Sp. p. 241; Dr. p. 52; Gaz. vol. 132; p. 44.
 Wire-splicer. E. Young. No. 876,674; Jan. 14; Sp. p. 2037; Dr. p. 444; Gaz. vol. 132; p. 362.
 Wire-splicing machine. R. W. Wise and W. H. Jones. No. 903,938; Nov. 17; Sp. p. 2864; Gaz. vol. 137; p. 522.
 Wire stay. J. A. Staples. No. 887,353; May 12; Sp. p. 2074; Dr. p. 435; Gaz. vol. 134; p. 364.
 Wire-stay-bending machine. W. F. Washburn. No. 905,256; Dec. 1; Sp. p. 260; Gaz. vol. 137; p. 1028.
 Wire straightening and coiling machine. R. L. Horsley. No. 890,907; June 16; Sp. p. 3479; Dr. p. 762; Gaz. vol. 134; p. 1674.
 Wire-stretcher. J. H. Williams. No. 880,613; Mar. 3; Sp. p. 250; Dr. p. 52; Gaz. vol. 133; p. 44.
 Wire-stretcher. M. A. Johnson. No. 882,149; Mar. 17; Sp. p. 3323; Dr. p. 709; Gaz. vol. 133; p. 605.
 Wire-stretcher. J. T. Gardner. No. 885,693; Apr. 21; Sp. p. 4153; Dr. p. 869; Gaz. vol. 133; p. 1908.
 Wire-stretcher. A. W. Sprague. No. 886,020; Apr. 28; Sp. p. 4863; Dr. p. 1022; Gaz. vol. 133; p. 2047.
 Wire-stretcher. C. C. Atkinson. No. 886,920; May 5; Sp. p. 1168; Dr. p. 246; Gaz. vol. 134; p. 192.
 Wire-stretcher. P. F. Louy. No. 887,671; May 12; Sp. p. 2712; Dr. p. 573; Gaz. vol. 134; p. 467.
 Wire-stretcher. H. H. and H. C. Harris. No. 889,879; June 2; Sp. p. 1242; Dr. p. 307; Gaz. vol. 134; p. 1278.
 Wire-stretcher. W. F. Richards. No. 890,174; June 9; Sp. p. 1969; Dr. p. 434; Gaz. vol. 134; p. 1404.

Alphabetical list of inventions—Continued.

- Wire-stretcher. S. Tyer. No. 890,825; June 16; Sp. p. 3324; Dr. p. 727; Gaz. vol. 134; p. 1649.
- Wire-stretcher. W. M. Murfin. No. 895,663; Aug. 11; Sp. p. 1770; Dr. p. 376; Gaz. vol. 135; p. 1211.
- Wire-stretcher. C. M. and H. A. Ruggles. No. 896,760; Aug. 25; Sp. p. 3950; Dr. p. 851; Gaz. vol. 135; p. 1609.
- Wire-stretcher. W. G. Matson. No. 896,927; Aug. 25; Sp. p. 4337; Dr. p. 929; Gaz. vol. 135; p. 1667.
- Wire-stretcher. J. Olson. No. 898,500; Sept. 15; Sp. p. 2538; Dr. p. 544; Gaz. vol. 136; p. 470.
- Wire-stretcher. A. W. Templeton. No. 900,229; Oct. 6; Sp. p. 321; Dr. p. 66; Gaz. vol. 136; p. 1125.
- Wire-stretcher. D. J. O'Connor. No. 900,665; Oct. 6; Sp. p. 1274; Dr. p. 260; Gaz. vol. 136; p. 1268.
- Wire-stretcher. P. L. Brooks. No. 901,946; Oct. 27; Sp. p. 3926; Dr. p. 801; Gaz. vol. 136; p. 1779.
- Wire-stretcher. J. Dobbs and W. P. Welborn. No. 902,565; Nov. 3; Sp. p. 67; Gaz. vol. 137; p. 11.
- Wire-stretcher. S. S. Roberts. No. 902,763; Nov. 3; Sp. p. 452; Gaz. vol. 137; p. 78.
- Wire-stretcher. J. Johnson. No. 902,968; Nov. 3; Sp. p. 870; Gaz. vol. 137; p. 145.
- Wire-stretcher. E. F. Schuster. No. 904,019; Nov. 17; Sp. p. 3012; Gaz. vol. 137; p. 549.
- Wire-stretcher. W. C. Richardson. No. 904,997; Nov. 24; Sp. p. 5076; Gaz. vol. 137; p. 905.
- Wire-stretcher. J. C. Todd and J. A. Harvison. No. 906,583; Dec. 15; Sp. p. 2843; Gaz. vol. 137; p. 1515.
- Wire-stretcher. C. G. Schwarz. No. 906,942; Dec. 15; Sp. p. 3529; Gaz. vol. 137; p. 1628.
- Wire-stretcher and fastener. L. Eckert. No. 906,122; Dec. 8; Sp. p. 1986; Gaz. vol. 137; p. 1339.
- Wire-stretcher and splicer. H. F. Bonesteale. No. 885,830; Apr. 28; Sp. p. 4454; Dr. pp. 935-6; Gaz. vol. 133; p. 1984.
- Wire-stretcher and splicer. H. F. Bonesteale. No. 901,775; Oct. 20; Sp. p. 3600; Dr. pp. 728-9; Gaz. vol. 136; p. 1694.
- Wire-stretcher and wagon-jack, Combined. E. G. Boyes. No. 905,032; Nov. 24; Sp. p. 5179; Gaz. vol. 137; p. 924.
- Wire-stretching tool. T. A. Scott and H. E. Crawford. No. 880,830; Mar. 3; Sp. p. 707; Dr. p. 149; Gaz. vol. 133; p. 119.
- Wire-stringing device. J. G. Callan. No. 894,593; July 28; Sp. p. 4628; Dr. p. 959; Gaz. vol. 135; p. 807.
- Wire-suspending device. H. E. Stevens. No. 880,416; Feb. 25; Sp. p. 5206; Dr. p. 1097; Gaz. vol. 132; p. 1781.
- Wire-tie. H. A. Drew. No. 886,774; May 5; Sp. p. 905; Dr. p. 187; Gaz. vol. 134; p. 149.
- Wire-tightener. L. E. Pedersen. No. 903,763; Nov. 10; Sp. p. 2452; Gaz. vol. 137; p. 429.
- Wire-tightener and splicer. J. D. Rodgers. No. 902,764; Nov. 3; Sp. p. 454; Gaz. vol. 137; p. 78.
- Wire-twister. D. N. Bates, S. E. Clapp, and L. E. Booth. No. 893,423; July 14; Sp. p. 2082; Dr. p. 436; Gaz. vol. 135; p. 372.
- Wire-twisting machine. L. Swank. No. 887,441; May 12; Sp. p. 2268; Dr. pp. 475-6; Gaz. vol. 134; p. 392.
- Wire-twisting tool. A. H. Neller. No. 898,912; Sept. 15; Sp. p. 3321; Dr. p. 712; Gaz. vol. 136; p. 603.
- Wire-working tool. F. Vsetecka. No. 876,116; Jan. 7; Sp. p. 842; Dr. p. 180; Gaz. vol. 132; p. 143.
- Wire-working tool. P. Smith. No. 879,686; Feb. 18; Sp. p. 3701; Dr. p. 775; Gaz. vol. 132; p. 1508.
- Wire-working tool. J. Huhta and F. Laurell. No. 884,821; Apr. 14; Sp. p. 2369; Dr. p. 498; Gaz. vol. 133; p. 1599.
- Wire-working tool. D. Glenn. No. 896,010; Aug. 11; Sp. p. 2474; Dr. p. 534; Gaz. vol. 135; p. 1323.
- Wires, Apparatus for connecting conducting and other. A. Fodor. No. 902,389; Oct. 27; Sp. p. 4846; Dr. p. 980; Gaz. vol. 136; p. 1922.
- Wires, cords, threads, and the like, Treatment of. W. A. Phillips and F. Hutchins. No. 902,445; Oct. 27; Sp. p. 4976; Dr. p. 1006; Gaz. vol. 136; p. 1941.
- Wires, Machine for crimping electric resistance-. J. I. Ayer. No. 905,130; Dec. 1; Sp. p. 9; Gaz. vol. 137; p. 985.
- Wires or wire ropes, Means for testing. C. E. S. McCann and R. Colson. No. 890,085; June 9; Sp. p. 1778; Dr. p. 393; Gaz. vol. 134; p. 1373.
- Wiring-conduit appliance. P. H. Fielding. No. 895,175; Aug. 4; Sp. p. 795; Dr. pp. 165-6; Gaz. vol. 135; p. 1027.
- Wiring construction for buildings. A. L. Goldschmidt. No. 895,362; Aug. 4; Sp. p. 1170; Dr. p. 246; Gaz. vol. 135; p. 1089.
- Wire drawing apparatus. G. A. Hoyt. No. 891,070; June 16; Sp. p. 3819; Dr. pp. 833-4; Gaz. vol. 134; p. 1728.
- Wiredrawing-block. H. B. Humphrey. No. 905,077; Nov. 24; Sp. p. 5216; Gaz. vol. 137; p. 981.
- Wire drawing machine. H. L. Thompson. No. 880,178; Feb. 25; Sp. p. 4721; Dr. p. 998; Gaz. vol. 132; p. 1702.
- Wire drawing machine. A. Pearson. No. 889,330; June 2; Sp. p. 267; Dr. p. 65; Gaz. vol. 134; p. 1101.
- Wire drawing machine. A. Rusbatch. No. 900,312; Oct. 6; Sp. p. 513; Dr. pp. 106-7; Gaz. vol. 136; p. 1153.
- Wiredrawing-machine. C. A. Carlson. No. 904,836; Nov. 24; Sp. p. 4751; Gaz. vol. 137; p. 852.
- Wireless receiving instrument. F. G. Sargent. No. 883,241; Mar. 31; Sp. p. 5485; Dr. p. 1170; Gaz. vol. 133; p. 1026.
- Wood and making same, Preserved. P. C. Reilly. No. 901,557; Oct. 20; Sp. p. 3128; Gaz. vol. 136; p. 1623.
- Wood and producing the same, Artificially grained or figured. W. A. Hall. No. 901,097; Oct. 13; Sp. p. 2160; Gaz. vol. 136; p. 1435.
- Wood, Apparatus for use in treating. S. S. Williams. No. 904,589; Nov. 24; Sp. p. 4222; Gaz. vol. 137; p. 769.
- Wood-boring-machine guard. E. R. King. No. 899,412; Sept. 22; Sp. p. 4269; Dr. p. 916; Gaz. vol. 136; p. 791.
- Wood-carving machine. W. J. Egan. No. 899,519; Sept. 29; Sp. p. 4484; Dr. pp. 963-4; Gaz. vol. 136; p. 863.
- Wood, Changing the grain of. M. A. Possons. No. 904,446; Nov. 17; Sp. p. 3913; Gaz. vol. 137; p. 694.
- Wood-chipper. A. M. Powell. No. 885,177; Apr. 21; Sp. p. 3108; Dr. p. 655; Gaz. vol. 133; p. 1742.
- Wood-chipping machine. O. Carr. No. 892,808; July 7; Sp. p. 815; Dr. p. 174; Gaz. vol. 135; p. 140.
- Wood, Coloring. W. A. Hall. No. 901,094; Oct. 13; Sp. p. 2155; Gaz. vol. 136; p. 1434.
- Wood, Coloring. W. A. Hall. No. 901,095; Oct. 13; Sp. p. 2157; Gaz. vol. 136; p. 1434.
- Wood, Coloring. W. A. Hall. No. 901,098; Oct. 13; Sp. p. 2161; Gaz. vol. 136; p. 1435.
- Wood, Coloring. W. A. Hall. No. 901,099; Oct. 13; Sp. p. 2162; Gaz. vol. 136; p. 1435.
- Wood-fiber machine. H. M. Hoover. No. 901,969; Oct. 27; Sp. p. 3969; Dr. pp. 810-11; Gaz. vol. 136; p. 1787.
- Wood-fiber-making machines, Grinding element for. H. M. Horn. No. 902,732; Nov. 3; Sp. p. 399; Gaz. vol. 137; p. 69.
- Wood filler and primer compound and producing the same. J. B. E. Venner. No. 893,287; July 14; Sp. p. 1821; Gaz. vol. 135; p. 328.
- Wood for lumber, Treating. W. A. Hall. No. 901,096; Oct. 13; Sp. p. 2158; Gaz. vol. 136; p. 1434.
- Wood-graining-machine. C. W. Munz. No. 890,162; June 9; Sp. p. 1942; Dr. p. 428; Gaz. vol. 134; p. 1399.
- Wood, Impregnating. J. Rutgers. No. 894,061; July 21; Sp. p. 3522; Gaz. vol. 135; p. 612.
- Wood-member joint. F. A. Schossow. No. 883,489; Mar. 31; Sp. p. 6014; Dr. p. 1284; Gaz. vol. 133; p. 1108.
- Wood-milling machine. G. A. Krauss. No. 892,596; July 7; Sp. p. 388; Dr. p. 85; Gaz. vol. 135; p. 72.
- Wood-molding machine. F. D. Green. No. 881,793; Mar. 10; Sp. p. 2575; Dr. pp. 552-3; Gaz. vol. 133; p. 459.
- Wood, Preserved. P. C. Reilly. No. 899,904; Sept. 29; Sp. p. 5297; Gaz. vol. 136; p. 989.
- Wood, Preserved. P. C. Reilly. No. 899,905; Sept. 29; Sp. p. 5298; Gaz. vol. 136; p. 989.
- Wood, Preserving. W. Buehler. No. 899,237; Sept. 22; Sp. p. 3949; Dr. p. 842; Gaz. vol. 136; p. 737.
- Wood, Preserving. C. Howard. No. 899,400; Sept. 22; Sp. p. 4250; Gaz. vol. 136; p. 788.
- Wood, Preserving. W. Buehler. No. 899,480; Sept. 22; Sp. p. 4393; Dr. p. 943; Gaz. vol. 136; p. 813.
- Wood-preserving composition. H. Stokes. No. 896,335; Aug. 18; Sp. p. 3097; Gaz. vol. 135; p. 1449.
- Wood-preserving compound. H. E. Fereval. No. 891,726; June 23; Sp. p. 5169; Gaz. vol. 134; p. 1975.
- Wood-shaving machine. H. W. Selle. No. 885,874; Apr. 28; Sp. p. 4536; Dr. pp. 951-2; Gaz. vol. 133; p. 1998.
- Wood-splitting machine. P. Eckenroth, Jr. No. 885,458; Apr. 21; Sp. p. 3674; Dr. pp. 769-70; Gaz. vol. 133; p. 1835.
- Wood-splitting machine. H. G. Saecker. No. 899,328; Sept. 22; Sp. p. 4124; Dr. p. 882; Gaz. vol. 136; p. 765.
- Wood substitute. F. Schnell. No. 900,686; Oct. 6; Sp. p. 1325; Gaz. vol. 136; p. 1276.
- Wood to thickness, Machine for dressing blocks of. J. E. Hamilton and J. Hamacheck. No. 895,401; Aug. 4; Sp. p. 1239; Dr. pp. 261-3; Gaz. vol. 135; p. 1102.
- Wood-trimming machine. C. E. Brown and W. J. Gibbs. (Reissue.) No. 12,763; Mar. 17; Sp. p. 4086; Dr. p. 868; Gaz. vol. 133; p. 736.
- Wood-trimming machine. E. P. Webster. No. 891,308; June 23; Sp. p. 4295; Dr. p. 939; Gaz. vol. 134; p. 1837.
- Wood-trimming machine. E. P. Webster. No. 896,872; Aug. 25; Sp. p. 4199; Dr. p. 899; Gaz. vol. 135; p. 1648.
- Wood, Vulcanizing. C. Howard. No. 900,017; Sept. 29; Sp. p. 5549; Gaz. vol. 136; p. 1026.
- Wood, Vulcanizing and coloring. W. A. Hall. No. 891,987; June 30; Sp. p. 5718; Gaz. vol. 134; p. 2094.
- Wooden boards in strips, Device for embossing and cutting. F. A. Sass. No. 894,466; July 28; Sp. p. 4373; Dr. p. 902; Gaz. vol. 135; p. 766.
- Wooden structure. D. F. Daley. No. 891,983; June 30; Sp. p. 5710; Dr. p. 1229; Gaz. vol. 134; p. 2093.
- Wooden structure and constructing the same, Staved. D. E. Vanvactor. No. 877,534; Jan. 28; Sp. p. 3795; Dr. p. 822; Gaz. vol. 132; p. 705.
- Wooden structures, Hollow built-up material for. J. Hoellig and M. Lidster. No. 881,074; Mar. 3; Sp. p. 1165; Dr. p. 251; Gaz. vol. 133; p. 198.
- Woodwork, Concealed fastener and joint in. D. L. Tschantz. No. 893,676; July 21; Sp. p. 2636; Dr. p. 552; Gaz. vol. 135; p. 484.
- Woodworker's clamp. C. Mouthuy. No. 891,091; June 16; Sp. p. 3850; Dr. p. 841; Gaz. vol. 134; p. 1734.
- Woodworking-clamp. J. H. Lane. No. 887,103; May 12; Sp. p. 1530; Dr. p. 323; Gaz. vol. 134; p. 281.
- Woodworking-cutter, Rotating. C. F. La Follette. No. 901,626; Oct. 20; Sp. p. 3262; Dr. p. 669; Gaz. vol. 136; p. 1644.
- Woodworking-machine. J. W. Wadkin and D. J. Jarvis. No. 885,408; Apr. 21; Sp. p. 3591; Dr. pp. 752-3; Gaz. vol. 133; p. 1820.
- Woodworking-machine. R. S. Allan. No. 887,746; May 19; Sp. p. 2804; Dr. pp. 604-5; Gaz. vol. 134; p. 521.
- Woodworking-machine. J. S. Barnes. No. 889,428; June 2; Sp. p. 471; Dr. pp. 112-13; Gaz. vol. 134; p. 1134.
- Woodworking-machine. W. B. Woodruff. No. 889,739; June 2; Sp. p. 1075; Dr. pp. 248-50; Gaz. vol. 134; p. 1232.
- Woodworking-machine. R. P. De Remer. No. 890,583; June 9; Sp. p. 2786; Dr. p. 615; Gaz. vol. 134; p. 1536.
- Woodworking-machine. N. Winberg. No. 890,743; June 16; Sp. p. 3159; Dr. p. 692; Gaz. vol. 134; p. 1620.
- Woodworking-machine. C. L. Hartwell. No. 895,369; Aug. 4; Sp. p. 1184; Dr. p. 249; Gaz. vol. 135; p. 1092.

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- Woodworking-machine. P. J. Joecken. No. 907,242; Dec. 22; Sp. p. 4137; Gaz. vol. 137; p. 1761.
 Woodworking-machine. P. J. Joecken. No. 908,269; Dec. 29; Sp. p. 6288; Gaz. vol. 137; p. 2132.
 Woodworking-machine feeder. J. C. Ludwig, Jr. No. 889,025; May 26; Sp. p. 5437; Dr. p. 1156; Gaz. vol. 134; p. 971.
 Woodworking-machines, Feed-roll for. J. G. Paul. No. 891,287; June 23; Sp. p. 4252; Dr. p. 930; Gaz. vol. 134; p. 1831.
 Woodworking machinery, Feeding device for. J. R. Thomas and J. J. Meyers. No. 899,143; Sept. 22; Sp. p. 3751; Dr. pp. 804-5; Gaz. vol. 136; p. 706.
 Woodworking-shaper. J. F. Tracey. No. 906,086; Dec. 8; Sp. p. 1906; Gaz. vol. 137; p. 1326.
 Wool, Apparatus for extracting grease and potash salts from. F. and C. Shuman. No. 899,440; Sept. 22; Sp. p. 4314; Dr. p. 927; Gaz. vol. 136; p. 800.
 Wool, Extracting grease and potash salts from. F. and C. Shuman. No. 899,339; Sept. 22; Sp. p. 4140; Dr. pp. 886-7; Gaz. vol. 136; p. 768.
 Wool, Mordanting. P. Rogers. No. 878,314; Feb. 4; Sp. p. 862; Gaz. vol. 132; p. 987.
 Wool, Mordanting. S. Kapff. No. 879,553; Feb. 18; Sp. p. 3418; Gaz. vol. 132; p. 1465.
 Wool-washing bowl. F. G. Sargent. No. 879,196; Feb. 18; Sp. p. 2684; Dr. p. 560; Gaz. vol. 132; p. 1348.
 Wool-washing machine. F. G. Sargent. No. 889,157; May 26; Sp. p. 5723; Dr. pp. 1211-12; Gaz. vol. 134; p. 1014.
 Wool-washing machinery, Squeeze-roll for. I. F. Burnham. No. 900,055; Sept. 29; Sp. p. 5645; Dr. p. 1205; Gaz. vol. 136; p. 1039.
 Work-box. G. Kovacic. No. 894,960; Aug. 4; Sp. p. 370; Dr. p. 75; Gaz. vol. 135; p. 955.
 Work-box, Lady's. A. Anderson. No. 890,486; June 9; Sp. p. 2587; Dr. p. 573; Gaz. vol. 134; p. 1502.
 Work-clamp. W. H. Bennett. No. 884,004; Apr. 7; Sp. p. 681; Dr. p. 137; Gaz. vol. 133; p. 1301.
 Work, Device for the support of. F. Wolfensberger. No. 897,808; Sept. 1; Sp. p. 1156; Dr. p. 246; Gaz. vol. 136; p. 183.
 Work-holder. M. P. H. Schroeder. No. 877,522; Jan. 28; Sp. p. 3773; Dr. p. 817; Gaz. vol. 132; p. 702.
 Work-holder. J. J. Ehmann. No. 889,778; June 2; Sp. p. 1145; Dr. p. 266; Gaz. vol. 134; p. 1244.
 Work-holder. C. M. Deems. No. 901,595; Oct. 20; Sp. p. 3203; Dr. p. 656; Gaz. vol. 136; p. 1635.
 Work-holding attachment. J. Inman. No. 888,332; May 19; Sp. p. 3984; Dr. p. 840; Gaz. vol. 134; p. 712.
 Work-performing members, Mechanism for operating adjustable. F. H. Richards. No. 902,326; Oct. 27; Sp. p. 4721; Dr. pp. 955-6; Gaz. vol. 136; p. 1902.
 Work-performing members, Mechanism for operating adjustable. F. H. Richards. No. 902,327; Oct. 27; Sp. p. 4729; Dr. pp. 956-7; Gaz. vol. 136; p. 1902.
 Work-rack. R. S. Brown. No. 904,175; Nov. 17; Sp. p. 3354; Gaz. vol. 137; p. 604.
 Working members, Mounting for adjustable. F. H. Richards. No. 902,328; Oct. 27; Sp. p. 4736; Dr. p. 957; Gaz. vol. 136; p. 1903.
 Worm-driving mechanism. E. H. Ryon. No. 879,496; Feb. 18; Sp. p. 3296; Dr. p. 689; Gaz. vol. 132; p. 1446.
 Worms, Manufacture of. V. Lapp. No. 891,553; June 23; Sp. p. 4804; Gaz. vol. 134; p. 1918.
 Woven fabric. C. L. Christmann. No. 879,736; Feb. 18; Sp. p. 3795; Dr. p. 796; Gaz. vol. 132; p. 1524.
 Woven fabric. C. L. Christmann. No. 879,737; Feb. 18; Sp. p. 3797; Dr. p. 797; Gaz. vol. 132; p. 1524.
 Woven fabric. I. E. Palmer. No. 900,036; Sept. 29; Sp. p. 5596; Dr. p. 1195; Gaz. vol. 136; p. 1032.
 Woven fabric, Double-faced. J. C. Earnshaw. No. 881,386; Mar. 10; Sp. p. 1791; Dr. p. 387; Gaz. vol. 133; p. 329.
 Woven fabric, Double-faced. W. H. and A. E. Margerison. No. 903,595; Nov. 10; Sp. p. 2134; Gaz. vol. 137; p. 378.
 Wrapper for boxes and similar articles. F. Fittback. No. 882,241; Mar. 17; Sp. p. 3510; Dr. p. 745; Gaz. vol. 133; p. 633.
 Wrapper for braid and similar articles. J. Baer. No. 888,686; May 26; Sp. p. 4750; Dr. p. 1010; Gaz. vol. 134; p. 862.
 Wrapper for fruits. M. E. Woodard. No. 882,134; Mar. 17; Sp. p. 3297; Dr. p. 703; Gaz. vol. 133; p. 601.
 Wrapping device for oranges and other articles. M. H. Ballard. No. 905,978; Dec. 8; Sp. p. 1707; Gaz. vol. 137; p. 1292.
 Wrapping-machine. J. W. Hicks. No. 879,544; Feb. 18; Sp. p. 3392; Dr. pp. 710-12; Gaz. vol. 132; p. 1462.
 Wrapping-machine. J. W. Williams. No. 882,659; Mar. 24; Sp. p. 4310; Dr. p. 915; Gaz. vol. 133; p. 805.
 Wrapping-machine. M. H. Ballard. No. 889,867; June 2; Sp. p. 1317; Dr. p. 302; Gaz. vol. 134; p. 1274.
 Wrapping-machine. R. A. Berger. No. 895,945; Aug. 11; Sp. p. 2325; Dr. pp. 498-501; Gaz. vol. 135; p. 1302.
 Wrapping-machine. M. H. Ballard. No. 905,977; Dec. 8; Sp. p. 1695; Gaz. vol. 137; p. 1292.
 Wrapping-machine. M. H. Ballard. No. 906,483; Dec. 8; Sp. p. 2651; Gaz. vol. 137; p. 1458.
 Wrapping-machine. M. H. Ballard. No. 906,484; Dec. 8; Sp. p. 2654; Gaz. vol. 137; p. 1458.
 Wrapping-machine cutting mechanism. A. M. Price. No. 880,465; Feb. 25; Sp. p. 5316; Dr. p. 1118; Gaz. vol. 132; p. 1799.
 Wrapping-machine feeding mechanism. A. M. Price. No. 881,084; Mar. 3; Sp. p. 1180; Dr. pp. 255-6; Gaz. vol. 133; p. 201.
 Wrapping-machine, Package. T. C. Hook and J. H. Mitchell. No. 893,846; July 21; Sp. p. 3070; Dr. pp. 626-8; Gaz. vol. 135; p. 541.
 Wrapping-sheet. J. W. Lambert. No. 881,011; Mar. 3; Sp. p. 1047; Dr. p. 226; Gaz. vol. 133; p. 178.
 Wrapping thread, braid, etc., Card for. R. W. Strassberger. No. 897,173; Aug. 25; Sp. p. 4930; Dr. p. 1028; Gaz. vol. 135; p. 1747.
 Wreck-indicator. J. St. Antine. No. 882,974; Mar. 24; Sp. p. 4941; Dr. p. 1049; Gaz. vol. 133; p. 909.
 Wrench: See Adjustable wrench; Automatic wrench; Bit-brace wrench; Buggy-wrench; Chain wrench; Cylinder-wrench; Jar-wrench; Jar-opening wrench; Nut-wrench; Nut and pipe wrench; Nut or pipe wrench; Pipe-wrench; Pocket-wrench; Quick-acting wrench; Ratchet-wrench; Socket-wrench; Tool-wrench.
 Wrench. A. E. Ely. No. 875,702; Jan. 7; Sp. p. 46; Dr. p. 10; Gaz. vol. 132; p. 11.
 Wrench. H. T. Duncan. No. 876,704; Jan. 14; Sp. p. 2101; Dr. p. 457; Gaz. vol. 132; p. 371.
 Wrench. B. F. Webb. No. 877,273; Jan. 21; Sp. p. 3280; Dr. p. 710; Gaz. vol. 132; p. 600.
 Wrench. C. W. Sievert. No. 877,437; Jan. 21; Sp. p. 3621; Dr. p. 784; Gaz. vol. 132; p. 658.
 Wrench. T. Larson. No. 877,571; Jan. 28; Sp. p. 3874; Dr. p. 839; Gaz. vol. 132; p. 717.
 Wrench. J. E. Claunch. No. 877,632; Jan. 28; Sp. p. 3999; Dr. p. 864; Gaz. vol. 132; p. 737.
 Wrench. A. Schaller. No. 877,741; Jan. 28; Sp. p. 4199; Dr. p. 909; Gaz. vol. 132; p. 771.
 Wrench. A. E. Deason. No. 877,763; Jan. 28; Sp. p. 4235; Dr. p. 919; Gaz. vol. 132; p. 778.
 Wrench. J. C. Holm. No. 877,773; Jan. 28; Sp. p. 4253; Dr. p. 923; Gaz. vol. 132; p. 781.
 Wrench. J. F. Fish. No. 878,197; Feb. 4; Sp. p. 632; Dr. p. 129; Gaz. vol. 132; p. 948.
 Wrench. D. E. Rowland. No. 878,673; Feb. 11; Sp. p. 1667; Dr. p. 243; Gaz. vol. 132; p. 1140.
 Wrench. F. Lindsay. No. 878,968; Feb. 11; Sp. p. 2223; Dr. p. 465; Gaz. vol. 132; p. 1234.
 Wrench. H. E. Mobley. No. 878,981; Feb. 11; Sp. p. 2250; Dr. p. 470; Gaz. vol. 132; p. 1238.
 Wrench. W. C. Sweat. No. 879,019; Feb. 11; Sp. p. 2318; Dr. p. 484; Gaz. vol. 132; p. 1249.
 Wrench. F. Ellis. No. 879,155; Feb. 18; Sp. p. 2599; Dr. p. 542; Gaz. vol. 132; p. 1334.
 Wrench. T. J. Hand. No. 879,259; Feb. 18; Sp. p. 2800; Dr. p. 587; Gaz. vol. 132; p. 1369.
 Wrench. P. Hawkins. No. 879,383; Feb. 18; Sp. p. 3047; Dr. p. 635; Gaz. vol. 132; p. 1408.
 Wrench. J. N. Cook. No. 879,625; Feb. 18; Sp. p. 3348; Dr. p. 699; Gaz. vol. 132; p. 1455.
 Wrench. W. B. Orr. No. 879,980; Feb. 25; Sp. p. 4326; Dr. p. 906; Gaz. vol. 132; p. 1638.
 Wrench. H. Sasko. No. 880,330; Feb. 25; Sp. p. 5024; Dr. p. 1060; Gaz. vol. 132; p. 1752.
 Wrench. C. Manning. No. 881,083; Mar. 3; Sp. p. 1179; Dr. p. 255; Gaz. vol. 133; p. 201.
 Wrench. H. D. Sargent. No. 881,346; Mar. 10; Sp. p. 1695; Dr. p. 366; Gaz. vol. 133; p. 316.
 Wrench. F. E. Rosekelly. No. 881,620; Mar. 10; Sp. p. 2256; Dr. p. 490; Gaz. vol. 133; p. 407.
 Wrench. A. C. Smith. No. 881,627; Mar. 10; Sp. p. 2271; Dr. p. 493; Gaz. vol. 133; p. 408.
 Wrench. G. W. Mason. No. 881,937; Mar. 17; Sp. p. 2906; Dr. p. 620; Gaz. vol. 133; p. 537.
 Wrench. J. J. Wise. No. 882,362; Mar. 17; Sp. p. 3743; Dr. p. 796; Gaz. vol. 133; p. 674.
 Wrench. L. Chapman. No. 883,168; Mar. 31; Sp. p. 5327; Dr. p. 1136; Gaz. vol. 133; p. 1000.
 Wrench. J. Reif, Jr. No. 883,237; Mar. 31; Sp. p. 5475; Dr. p. 1167; Gaz. vol. 133; p. 1024.
 Wrench. C. O. Everhart. No. 883,704; Apr. 7; Sp. p. 58; Dr. p. 8; Gaz. vol. 133; p. 1202.
 Wrench. C. P. Johnson. No. 883,887; Apr. 7; Sp. p. 440; Dr. p. 87; Gaz. vol. 133; p. 1261.
 Wrench. C. S. Pederson. No. 884,203; Apr. 7; Sp. p. 1114; Dr. p. 233; Gaz. vol. 133; p. 1366.
 Wrench. E. H. Smith. No. 884,227; Apr. 7; Sp. p. 1151; Dr. p. 242; Gaz. vol. 133; p. 1373.
 Wrench. W. Schmitt. No. 884,422; Apr. 14; Sp. p. 1517; Dr. p. 326; Gaz. vol. 133; p. 1465.
 Wrench. G. W. Mason. No. 884,748; Apr. 14; Sp. p. 2222; Dr. p. 469; Gaz. vol. 133; p. 1574.
 Wrench. C. Miller. No. 884,836; Apr. 14; Sp. p. 2391; Dr. p. 503; Gaz. vol. 133; p. 1603.
 Wrench. D. C. Pierce. No. 884,851; Apr. 14; Sp. p. 2442; Dr. p. 513; Gaz. vol. 133; p. 1608.
 Wrench. C. E. Hawkins. No. 885,003; Apr. 14; Sp. p. 2715; Dr. p. 575; Gaz. vol. 133; p. 1652.
 Wrench. H. A. Smith. No. 885,191; Apr. 21; Sp. p. 3137; Dr. p. 659; Gaz. vol. 133; p. 1748.
 Wrench. F. D. Noble. No. 885,512; Apr. 21; Sp. p. 3765; Dr. p. 792; Gaz. vol. 133; p. 1851.
 Wrench. J. C. Frey. No. 885,596; Apr. 21; Sp. p. 3951; Dr. p. 825; Gaz. vol. 133; p. 1876.
 Wrench. H. B. Sohn and P. C. Miller. No. 886,084; Apr. 28; Sp. p. 4976; Dr. p. 1047; Gaz. vol. 133; p. 2067.
 Wrench. S. A. Gruber. No. 886,206; Apr. 28; Sp. p. 5202; Dr. p. 1095; Gaz. vol. 133; p. 2106.
 Wrench. H. Hestand and C. Remas. No. 886,210; Apr. 28; Sp. p. 5209; Dr. p. 1097; Gaz. vol. 133; p. 2108.
 Wrench. H. A. Sturges. No. 886,437; May 5; Sp. p. 189; Dr. p. 41; Gaz. vol. 134; p. 36.
 Wrench. J. E. Wakefield. No. 886,448; May 5; Sp. p. 210; Dr. p. 45; Gaz. vol. 134; p. 40.
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Wrench. H. N. Rothweiler. No. 887,697; May 12; Sp. p. 2755; Dr. p. 582; Gaz. vol. 134; p. 476.
Wrench. A. G. Dickson. No. 888,319; May 19; Sp. p. 3964; Dr. p. 835; Gaz. vol. 134; p. 708.
Wrench. E. Lachèze. No. 888,336; May 19; Sp. p. 4003; Dr. p. 845; Gaz. vol. 134; p. 713.
Wrench. E. Lockyer. No. 888,338; May 19; Sp. p. 4006; Dr. p. 846; Gaz. vol. 134; p. 714.
Wrench. R. Y. Bovee. No. 889,194; June 2; Sp. p. 14; Dr. p. 4; Gaz. vol. 134; p. 1059.
Wrench. M. E. Layne and S. N. Hall. No. 889,244; June 2; Sp. p. 101; Dr. p. 23; Gaz. vol. 134; p. 1075.
Wrench. M. E. Layne and S. N. Hall. No. 889,245; June 2; Sp. p. 102; Dr. pp. 23-4; Gaz. vol. 134; p. 1075.
Wrench. M. E. Layne and S. N. Hall. No. 889,246; June 2; Sp. p. 104; Dr. p. 24; Gaz. vol. 134; p. 1075.
Wrench. E. C. Carpenter. No. 889,581; June 2; Sp. p. 776; Dr. p. 177; Gaz. vol. 134; p. 1182.
Wrench. C. O. Morley. No. 889,710; June 2; Sp. p. 1024; Dr. p. 237; Gaz. vol. 134; p. 1223.
Wrench. F. E. Walden. No. 890,111; June 9; Sp. p. 1829; Dr. p. 404; Gaz. vol. 134; p. 1382.
Wrench. J. R. Long. No. 890,146; June 9; Sp. p. 1904; Dr. p. 421; Gaz. vol. 134; p. 1394.
Wrench. B. N. Lehman. No. 890,521; June 9; Sp. p. 2656; Dr. p. 587; Gaz. vol. 134; p. 1514.
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Wrench. S. Longanecker. No. 891,088; June 16; Sp. p. 3844; Dr. p. 840; Gaz. vol. 134; p. 1734.
Wrench. R. W. Hope and S. F. Stambaugh. No. 891,257; June 23; Sp. p. 4192; Dr. p. 918; Gaz. vol. 134; p. 1820.
Wrench. D. F. and J. J. Geiger. No. 891,615; June 23; Sp. p. 4925; Dr. p. 1061; Gaz. vol. 134; p. 1937.
Wrench. W. A. Flowers. No. 891,683; June 23; Sp. p. 5093; Dr. p. 1099; Gaz. vol. 134; p. 1962.
Wrench. T. J. Turko and P. J. Holman. No. 891,752; June 23; Sp. p. 5215; Dr. p. 1128; Gaz. vol. 134; p. 1984.
Wrench. W. C. Barnes. No. 892,210; June 30; Sp. p. 6139; Dr. p. 1322; Gaz. vol. 134; p. 2166.
Wrench. F. M. Damon. No. 892,228; June 30; Sp. p. 6170; Dr. p. 1329; Gaz. vol. 134; p. 2172.
Wrench. Z. B. Custer. No. 892,408; July 7; Sp. p. 35; Dr. p. 10; Gaz. vol. 135; p. 9.
Wrench. G. T. Barr. No. 892,497; July 7; Sp. p. 215; Dr. p. 45; Gaz. vol. 135; p. 40.
Wrench. W. F. Corbin. No. 892,503; July 7; Sp. p. 227; Dr. p. 47; Gaz. vol. 135; p. 42.
Wrench. H. H. Ponton. No. 892,549; July 7; Sp. p. 302; Dr. p. 66; Gaz. vol. 135; p. 57.
Wrench. M. M. Condon. No. 893,054; July 14; Sp. p. 1361; Dr. p. 287; Gaz. vol. 135; p. 252.
Wrench. F. W. Nott. No. 893,093; July 14; Sp. p. 1420; Dr. p. 300; Gaz. vol. 135; p. 263.
Wrench. G. Franklin. No. 893,157; July 14; Sp. p. 1568; Dr. p. 332; Gaz. vol. 135; p. 285.
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Wrench. J. M. Bott. No. 893,976; July 21; Sp. p. 3337; Dr. p. 684; Gaz. vol. 135; p. 583.
Wrench. J. Johnson. No. 894,208; July 28; Sp. p. 3832; Dr. p. 793; Gaz. vol. 135; p. 680.
Wrench. N. W. Martin. No. 894,963; Aug. 4; Sp. p. 373; Dr. p. 76; Gaz. vol. 135; p. 955.
Wrench. J. R. Morris. No. 895,285; Aug. 4; Sp. p. 1040; Dr. p. 217; Gaz. vol. 135; p. 1065.
Wrench. C. M. Andersen. No. 895,712; Aug. 11; Sp. p. 1869; Dr. p. 396; Gaz. vol. 135; p. 1227.
Wrench. W. Muller. No. 895,882; Aug. 11; Sp. p. 2219; Dr. p. 473; Gaz. vol. 135; p. 1282.
Wrench. H. C. Saunders. No. 895,896; Aug. 11; Sp. p. 2239; Dr. p. 478; Gaz. vol. 135; p. 1286.
Wrench. T. Atzenweiler. No. 896,073; Aug. 18; Sp. p. 2595; Dr. p. 562; Gaz. vol. 135; p. 1367.
Wrench. H. L. Beck. No. 896,611; Aug. 18; Sp. p. 3634; Dr. p. 781; Gaz. vol. 135; p. 1539.
Wrench. R. F. Bowers. No. 897,055; Aug. 25; Sp. p. 4610; Dr. p. 982; Gaz. vol. 135; p. 1710.
Wrench. G. Ebenhoch. No. 897,071; Aug. 25; Sp. p. 4642; Dr. p. 988; Gaz. vol. 135; p. 1715.
Wrench. F. D. Bodey. No. 897,266; Sept. 1; Sp. p. 10; Dr. p. 3; Gaz. vol. 136; p. 4.
Wrench. V. Carlson. No. 897,584; Sept. 1; Sp. p. 703; Dr. p. 148; Gaz. vol. 136; p. 111.
Wrench. J. Minett. No. 897,640; Sept. 1; Sp. p. 808; Dr. p. 170; Gaz. vol. 136; p. 128.
Wrench. H. R. and R. J. Munce. No. 897,767; Sept. 1; Sp. p. 1056; Dr. p. 227; Gaz. vol. 136; p. 171.
Wrench. H. N. Rothweiler. No. 898,267; Sept. 8; Sp. p. 2088; Dr. p. 444; Gaz. vol. 136; p. 361.
Wrench. P. L. Kimball. No. 898,657; Sept. 15; Sp. p. 2858; Dr. p. 611; Gaz. vol. 136; p. 521.
Wrench. W. Weidemann. No. 898,708; Sept. 15; Sp. p. 2949; Dr. p. 632; Gaz. vol. 136; p. 537.
Wrench. R. J. Jones and F. H. Cunningham. No. 898,896; Sept. 15; Sp. p. 3292; Dr. p. 705; Gaz. vol. 136; p. 598.
Wrench. A. T. Raiford. No. 898,990; Sept. 15; Sp. p. 3457; Dr. p. 741; Gaz. vol. 136; p. 628.
Wrench. H. Jeffrey. (Reissue.) No. 12,854; Sept. 15; Sp. p. 3514; Dr. p. 752; Gaz. vol. 136; p. 637.
Wrench. H. W. Allison. No. 899,197; Sept. 22; Sp. p. 3866; Dr. p. 826; Gaz. vol. 136; p. 724.
Wrench. A. L. Shaw. No. 899,336; Sept. 22; Sp. p. 4137; Dr. p. 886; Gaz. vol. 136; p. 767.
Wrench. I. H. Alfrey. No. 899,707; Sept. 29; Sp. p. 4871; Dr. p. 1045; Gaz. vol. 136; p. 922.
Wrench. J. Reif, Jr. No. 899,805; Sept. 29; Sp. p. 5103; Dr. p. 1091; Gaz. vol. 136; p. 958.
Wrench. J. C. Parker. No. 900,120; Oct. 6; Sp. p. 107; Dr. p. 22; Gaz. vol. 136; p. 1060.
Wrench. J. H. Woodard. No. 900,460; Oct. 6; Sp. p. 837; Dr. p. 170; Gaz. vol. 136; p. 1201.
Wrench. D. Blankenship. No. 900,651; Oct. 6; Sp. p. 1244; Dr. p. 255; Gaz. vol. 136; p. 1264.
Wrench. M. E. Layne and S. N. Hall. No. 900,861; Oct. 13; Sp. p. 1680; Dr. p. 340; Gaz. vol. 136; p. 1359.
Wrench. T. A. Casey. No. 901,151; Oct. 13; Sp. p. 2249; Dr. p. 457; Gaz. vol. 136; p. 1452.
Wrench. J. P. Johnson. No. 901,174; Oct. 13; Sp. p. 2289; Dr. p. 467; Gaz. vol. 136; p. 1459.
Wrench. C. R. Olberg. No. 901,821; Oct. 20; Sp. p. 3683; Dr. p. 748; Gaz. vol. 136; p. 1709.
Wrench. S. A. Holman. No. 902,079; Oct. 27; Sp. p. 4206; Dr. p. 852; Gaz. vol. 136; p. 1822.
Wrench. S. A. Holman. No. 902,080; Oct. 27; Sp. p. 4208; Dr. p. 852; Gaz. vol. 136; p. 1822.
Wrench. I. L. Frye. No. 902,144; Oct. 27; Sp. p. 4331; Dr. p. 877; Gaz. vol. 136; p. 1842.
Wrench. S. V. Rehart. No. 902,251; Oct. 27; Sp. p. 4556; Dr. p. 925; Gaz. vol. 136; p. 1876.
Wrench. H. F. Larava. No. 902,305; Oct. 27; Sp. p. 4670; Dr. p. 946; Gaz. vol. 136; p. 1895.
Wrench. G. Paterson. No. 902,759; Nov. 3; Sp. p. 444; Gaz. vol. 137; p. 76.
Wrench. R. S. Barrett. No. 902,799; Nov. 3; Sp. p. 514; Gaz. vol. 137; p. 90.
Wrench. A. W. Peterson. No. 902,830; Nov. 3; Sp. p. 597; Gaz. vol. 137; p. 101.
Wrench. W. C. Reed. No. 903,002; Nov. 3; Sp. p. 950; Gaz. vol. 137; p. 157.
Wrench. C. M. Larson. No. 903,205; Nov. 10; Sp. p. 1344; Gaz. vol. 137; p. 250.
Wrench. W. S. Bowers. No. 903,440; Nov. 10; Sp. p. 1794; Gaz. vol. 137; p. 327.
Wrench. H. Capellmann. No. 903,667; Nov. 10; Sp. p. 2277; Gaz. vol. 137; p. 401.
Wrench. A. Schubert. No. 903,894; Nov. 17; Sp. p. 2752; Gaz. vol. 137; p. 507.
Wrench. J. W. Sheppard. No. 903,900; Nov. 17; Sp. p. 2770; Gaz. vol. 137; p. 509.
Wrench. A. C. Smith. No. 903,904; Nov. 17; Sp. p. 2780; Gaz. vol. 137; p. 511.
Wrench. C. O'Neill. No. 904,008; Nov. 17; Sp. p. 2988; Gaz. vol. 137; p. 545.
Wrench. G. E. Woodbury. No. 904,109; Nov. 17; Sp. p. 3188; Gaz. vol. 137; p. 579.
Wrench. H. Haldorsen and K. H. Seem. No. 904,257; Nov. 17; Sp. p. 3529; Gaz. vol. 137; p. 631.
Wrench. A. E. Aeschlimann. No. 904,468; Nov. 17; Sp. p. 3960; Gaz. vol. 137; p. 702.
Wrench. G. W. Johnson. No. 904,485; Nov. 17; Sp. p. 4014; Gaz. vol. 137; p. 708.
Wrench. T. W. Harber. No. 904,954; Nov. 24; Sp. p. 4993; Gaz. vol. 137; p. 891.
Wrench. J. G. Swallow. No. 905,116; Nov. 24; Sp. p. 5313; Gaz. vol. 137; p. 945.
Wrench. W. W. Patterson. No. 905,353; Dec. 1; Sp. p. 450; Gaz. vol. 137; p. 1059.
Wrench. E. J. Wasbroad. No. 905,610; Dec. 1; Sp. p. 1001; Gaz. vol. 137; p. 1143.
Wrench. C. J. Whitmore. No. 905,776; Dec. 1; Sp. p. 1311; Gaz. vol. 137; p. 1198.
Wrench. G. A. Cutter. No. 905,992; Dec. 8; Sp. p. 1738; Gaz. vol. 137; p. 1298.
Wrench. D. A. Lucas. No. 906,040; Dec. 8; Sp. p. 1822; Gaz. vol. 137; p. 1313.
Wrench. F. A. Bronchain. No. 906,192; Dec. 8; Sp. p. 2116; Gaz. vol. 137; p. 1363.
Wrench. H. Mendenhall and B. R. Wonsmos. No. 906,257; Dec. 8; Sp. p. 2243; Gaz. vol. 137; p. 1384.
Wrench. J. L. Steel. No. 906,326; Dec. 8; Sp. p. 2382; Gaz. vol. 137; p. 1408.
Wrench. H. Christopherson. No. 906,614; Dec. 15; Sp. p. 2894; Gaz. vol. 137; p. 1524.
Wrench. H. Davis and D. C. Burrows. No. 906,695; Dec. 15; Sp. p. 3048; Gaz. vol. 137; p. 1549.
Wrench. F. Woodhead. No. 906,982; Dec. 15; Sp. p. 3591; Gaz. vol. 137; p. 1640.
Wrench. E. H. G. Brinser. No. 907,001; Dec. 15; Sp. p. 3627; Gaz. vol. 137; p. 1645.
Wrench. T. J. Hammond. No. 907,346; Dec. 22; Sp. p. 4328; Gaz. vol. 137; p. 1797.
Wrench. V. J. Coughenour. No. 907,466; Dec. 22; Sp. p. 4582; Gaz. vol. 137; p. 1838.
Wrench. H. B. Winfield. No. 908,185; Dec. 29; Sp. p. 6105; Gaz. vol. 137; p. 2105.
Wrench adjustable support, Ratchet-. J. Lang. No. 895,647; Aug. 11; Sp. p. 1735; Dr. p. 367; Gaz. vol. 135; p. 1206.
Wrench and pipe-cutter, Combined. G. Radtke. No. 893,369; July 14; Sp. p. 1965; Dr. p. 412; Gaz. vol. 135; p. 353.
Wrench and tool-holder. J. D. Heck. No. 905,070; Nov. 24; Sp. p. 5203; Gaz. vol. 137; p. 929.
Wrench-handle. F. Searle. No. 892,189; June 30; Sp. p. 6094; Dr. p. 1310; Gaz. vol. 134; p. 2159.

Alphabetical list of inventions—Continued.

- Wrench-handle. V. A. Clarke and J. Szafka. No. 905,650; Dec. 1; Sp. p. 1077; Gaz. vol. 137; p. 1156.
 Wrench or nut-jack. W. H. Oliver. No. 880,305; Feb. 18; Sp. p. 2398; Dr. p. 605; Gaz. vol. 132; p. 1384.
 Wringer: *See* Mop-wringer.
 Wringer. F. Hardy. No. 896,106; Aug. 18; Sp. p. 2655; Dr. p. 572; Gaz. vol. 135; p. 1376.
 Wringer. D. A. Sawyers. No. 898,787; Sept. 15; Sp. p. 3095; Dr. p. 663; Gaz. vol. 136; p. 562.
 Wringer. S. C. Lawlor. No. 901,919; Oct. 20; Sp. p. 3857; Dr. p. 787; Gaz. vol. 136; p. 1740.
 Wringer. A. Liese. No. 906,904; Dec. 15; Sp. p. 3457; Gaz. vol. 137; p. 1616.
 Wringer-stand. N. B. Spooner. No. 878,682; Feb. 11; Sp. p. 1683; Dr. pp. 347-8; Gaz. vol. 132; p. 1143.
 Wringing-machines, mangles, and the like, Roller for. G. L. A. Kapp. No. 903,096; Nov. 3; Sp. p. 1125; Gaz. vol. 137; p. 184.
 Wrinkle-eradicator. F. A. Paris. No. 895,275; Aug. 4; Sp. p. 1065; Dr. p. 223; Gaz. vol. 135; p. 1068.
 Wristband. A. J. Paroubek. No. 903,761; Nov. 10; Sp. p. 2448; Gaz. vol. 137; p. 428.
 Writing a plurality of signatures or inscriptions, Means for. W. R. Woodward. No. 880,950; Mar. 3; Sp. p. 928; Dr. p. 201; Gaz. vol. 133; p. 157.
 Writing and marking device. J. A. Enright. No. 894,488; July 28; Sp. p. 4417; Dr. p. 913; Gaz. vol. 135; p. 773.
 Writing and similar instruments or tools, Holder for. W. Kunde. No. 901,452; Oct. 20; Sp. p. 2912; Dr. p. 593; Gaz. vol. 136; p. 1588.
 Writing device. W. C. Massey. No. 878,080; Feb. 4; Sp. p. 382; Dr. p. 80; Gaz. vol. 132; p. 910.
 Writing-machine. W. A. Schmidt. No. 886,418; May 5; Sp. p. 157; Dr. pp. 32-3; Gaz. vol. 134; p. 31.
 Writing-machine. E. B. Hess and J. M. Stoughton. No. 888,438; May 19; Sp. p. 4225; Dr. p. 896; Gaz. vol. 134; p. 749.
 Writing-machine. F. F. Main. No. 892,068; June 30; Sp. p. 5858; Dr. p. 1261; Gaz. vol. 134; p. 2119.
 Writing-machine. E. B. Hess. No. 894,497; July 28; Sp. p. 4431; Dr. p. 917; Gaz. vol. 135; p. 776.
 Writing-machine. E. B. Hess. No. 895,287; Aug. 4; Sp. p. 999; Dr. pp. 209-10; Gaz. vol. 135; p. 1059.
 Writing-machine. E. B. Hess. No. 896,539; Aug. 18; Sp. p. 3509; Dr. p. 754; Gaz. vol. 135; p. 1516.
 Writing-machine. J. R. MacGuffie. No. 896,925; Aug. 25; Sp. p. 4334; Dr. p. 928; Gaz. vol. 135; p. 1666.
 Writing-machine numbering device. E. A. Jarvis and I. N. Enyard. No. 906,715; Dec. 15; Sp. p. 3082; Gaz. vol. 137; p. 1556.
 Writing or drawing packet. B. S. Lobdell. No. 890,076; June 9; Sp. p. 1765; Dr. p. 390; Gaz. vol. 134; p. 1371.
 Writing-tablet. M. A. Drees. No. 907,477; Dec. 22; Sp. p. 4607; Gaz. vol. 137; p. 1841.
 Wrought articles, Making. J. H. Dods. No. 878,871; Feb. 11; Sp. p. 2048; Dr. p. 424; Gaz. vol. 132; p. 1204.
 Wurtzilite. W. F. Doerflinger and L. H. Buck. No. 903,275; Nov. 10; Sp. p. 1485; Gaz. vol. 137; p. 274.
 X-ray meter. G. C. Johnston. No. 893,244; July 14; Sp. p. 1730; Dr. p. 366; Gaz. vol. 135; p. 312.
 Yard-meter. W. B. Schultz. No. 883,577; Mar. 31; Sp. p. 6186; Dr. p. 1317; Gaz. vol. 133; p. 1133.
 Yarn and textile goods, Machine for drying. A. N. Marr. No. 881,602; Mar. 10; Sp. p. 2203; Dr. pp. 480-1; Gaz. vol. 133; p. 400.
 Yarn and thread gassing-machine. J. Higginson, Jr. No. 875,711; Jan. 7; Sp. p. 65; Dr. pp. 13-14; Gaz. vol. 132; p. 14.
 Yarn, Manufacturing. J. S. Butterworth. No. 882,866; Mar. 24; Sp. p. 4732; Gaz. vol. 133; p. 872.
 Yarn-package. S. W. Wardwell. No. 903,641; Nov. 10; Sp. p. 2224; Gaz. vol. 137; p. 393.
 Yarn-package. S. W. Wardwell. No. 903,642; Nov. 10; Sp. p. 2225; Gaz. vol. 137; p. 393.
 Yarn, Preparing flax. B. S. Summers. No. 895,123; Aug. 4; Sp. p. 699; Gaz. vol. 135; p. 1010.
 Yarn-testing machine. J. Moscrop. No. 876,216; Jan. 7; Sp. p. 1039; Dr. pp. 224-5; Gaz. vol. 132; p. 175.
 Yarns, apparatus for treating woolen. G. Stone. No. 892,911; July 7; Sp. p. 1056; Dr. p. 221; Gaz. vol. 135; p. 174.
 Yeast compound. J. E. Yost. No. 889,082; May 26; Sp. p. 5546; Gaz. vol. 134; p. 990.
 Yeast from fermenting whisky-mash, Means for removing. O. G. Luyties. No. 888,627; May 26; Sp. p. 4623; Dr. p. 981; Gaz. vol. 134; p. 844.
 Yielding bit and tap chuck. W. L. Procunier. No. 900,122; Oct. 6; Sp. p. 109; Dr. p. 23; Gaz. vol. 136; p. 1090.
 Yoke attachment, Neck-. R. K. Stevens. No. 890,723; June 16; Sp. p. 3111; Dr. p. 682; Gaz. vol. 134; p. 1614.
 Yoke attachment, Neck-. L. Carey. No. 891,404; June 23; Sp. p. 4508; Dr. p. 981; Gaz. vol. 134; p. 1870.
 Yoke center, Neck-. C. Lukasiewicz. No. 901,542; Oct. 20; Sp. p. 3102; Dr. p. 633; Gaz. vol. 136; p. 1618.
 Yoke center, Neck-. H. H. Bromley. No. 904,934; Nov. 24; Sp. p. 4958; Gaz. vol. 137; p. 884.
 Yoke fastening, Neck-. W. W. Long. No. 883,656; Mar. 31; Sp. p. 6345; Dr. p. 1352; Gaz. vol. 133; p. 1157.
 Yoke holder, Neck-. J. Pauly. No. 902,443; Oct. 27; Sp. p. 4974; Dr. p. 1005; Gaz. vol. 136; p. 1941.
 Yoke, Neck-. M. A. Christenson. No. 885,837; Apr. 28; Sp. p. 4467; Dr. p. 938; Gaz. vol. 133; p. 1986.
 Yoke, Neck-. H. L. Kingsley. No. 896,732; Aug. 25; Sp. p. 3877; Dr. p. 839; Gaz. vol. 135; p. 1599.
 Yoke, Neck-. W. Kleineschay. No. 901,971; Oct. 27; Sp. p. 3973; Dr. p. 811; Gaz. vol. 136; p. 1788.
 Yoke, Neck-. O. H. Nason. No. 902,160; Oct. 27; Sp. p. 4367; Dr. p. 884; Gaz. vol. 136; p. 1847.
 Yoking, Neck-. A. W. Edstrom. No. 876,046; Jan. 7; Sp. p. 695; Dr. p. 149; Gaz. vol. 132; p. 120.
 Yoke, Spring-. L. H. Jenkins. No. 892,430; July 7; Sp. p. 73; Dr. p. 17; Gaz. vol. 135; p. 16.
 Zinc chlorid, Making. R. R. Rust. No. 883,426; Mar. 31; Sp. p. 5884; Dr. p. 1255; Gaz. vol. 133; p. 1086.
 Zinc, Extracting. E. H. Shortman. No. 905,753; Dec. 1; Sp. p. 1269; Gaz. vol. 137; p. 1190.
 Zinc-extracting apparatus. E. H. Shortman. No. 907,416; Dec. 22; Sp. p. 4468; Gaz. vol. 137; p. 1820.
 Zinc hydrosulfite, Making stable. M. Bazlen and T. Wohlfahrt. No. 896,610; Aug. 18; Sp. p. 3633; Gaz. vol. 135; p. 1539.
 Zinc oxid from zinc ores, Obtaining. H. L. Sulman. No. 875,866; Jan. 7; Sp. p. 350; Dr. p. 78; Gaz. vol. 132; p. 65.
 Zinc oxid, Treating. F. P. Dewey. No. 900,088; Oct. 6; Sp. p. 31; Dr. p. 6; Gaz. vol. 136; p. 1079.
 Zinc oxids, Reduction of. P. Brangier and J. J. Faulkner. No. 906,191; Dec. 8; Sp. p. 2116; Gaz. vol. 137; p. 1363.
 Zinc-plating, Electrolytic solution for. C. Bianco. No. 905,785; Dec. 1; Sp. p. 1325; Gaz. vol. 137; p. 1201.
 Zinc, Refining. R. Ziesing. No. 893,415; July 14; Sp. p. 2050; Dr. p. 429; Gaz. vol. 135; p. 369.
 Zinc-refining apparatus. R. Ziesing. No. 893,560; July 14; Sp. p. 2386; Dr. p. 500; Gaz. vol. 135; p. 415.
 Zinc-retort residues, Treating. G. Stolzenwald. No. 881,355; Mar. 10; Sp. p. 1723; Gaz. vol. 133; p. 319.
 Zinc-sulfid pigment and producing the same. H. W. de Stucklé. No. 884,874; Apr. 14; Sp. p. 2476; Gaz. vol. 133; p. 1615.
 Zither. J. D. Foreman. No. 905,166; Dec. 1; Sp. p. 87; Gaz. vol. 137; p. 997.

ALPHABETICAL LIST OF DESIGNS.

Agricultural boiler. G. E. Pickup. No. 38,991; Jan. 7; Gaz. vol. 132; p. 210.
 Altar or shrine. P. Murphy. No. 39,211; Mar. 17; Gaz. vol. 133; p. 740.
 Ash-receiver and stand. C. Nelson. No. 39,482; Sept. 1; Gaz. vol. 136; p. 203.
 Atomizer. C. W. Meinecke. No. 39,054; Feb. 4; Gaz. vol. 132; p. 1047.
 Automobile-body. C. Schmidt. No. 39,219; Mar. 24; Gaz. vol. 133; p. 972.
 Automobile-body. O. P. Fritchle. No. 39,576; Sept. 22; Gaz. vol. 136; p. 825.
 Automobile-hood. W. S. Sherman. No. 39,628; Oct. 20; Gaz. vol. 136; p. 1749.
 Automobile-horn. J. Greuloch. No. 39,123; Feb. 11; Gaz. vol. 132; p. 1296.
 Automobile-horn. H. W. Lester. No. 39,320; May 26; Gaz. vol. 134; p. 1028.
 Automobile-horn. L. Rubes. No. 39,485; Sept. 1; Gaz. vol. 136; p. 204.
 Automobile-lamp casing. H. Saxon. No. 39,734; Dec. 29; Gaz. vol. 137; p. 2197.
 Automobiles, Radiator-casing cap for. S. D. Waldon. No. 39,272; Apr. 21; Gaz. vol. 133; p. 1916.
 Axle casing, Rear-. R. Huff. No. 39,629; Oct. 20; Gaz. vol. 136; p. 1749.
 Badge. L. Caldwell. No. 39,033; Jan. 28; Gaz. vol. 132; p. 823.
 Badge. B. J. Clarke. No. 39,133; Feb. 18; Gaz. vol. 132; p. 1561.
 Badge. H. L. Diehl. No. 39,134; Feb. 18; Gaz. vol. 132; p. 1561.
 Badge. F. Persic. No. 39,194; Mar. 17; Gaz. vol. 133; p. 737.
 Badge. C. A. Winship. No. 39,227; Mar. 31; Gaz. vol. 133; p. 1168.
 Badge. M. Wojtecki. No. 39,307; May 19; Gaz. vol. 134; p. 754.
 Badge. W. Brooks. No. 39,315; May 26; Gaz. vol. 134; p. 1027.
 Badge. J. W. Cherry. No. 39,316; May 26; Gaz. vol. 134; p. 1027.
 Badge. J. E. Johnson. No. 39,336; June 9; Gaz. vol. 134; p. 1540.
 Badge. W. E. Edwards. No. 39,335; June 9; Gaz. vol. 134; p. 1540.
 Badge. C. J. Dieges. No. 39,366; June 23; Gaz. vol. 134; p. 2006.
 Badge. A. L. Williams. No. 39,393; July 7; Gaz. vol. 135; p. 199.
 Badge. B. M. Branson. No. 39,427; July 21; Gaz. vol. 135; p. 650.
 Badge. T. Metzeler. No. 39,456; Aug. 25; Gaz. vol. 135; p. 1783.
 Badge. H. Zink. No. 39,457; Aug. 25; Gaz. vol. 135; p. 1783.
 Badge. A. L. Thoma. No. 39,499; Sept. 8; Gaz. vol. 136; p. 413.
 Badge. R. Van Alstine. No. 39,500; Sept. 8; Gaz. vol. 136; p. 413.
 Badge. J. Sabin. No. 39,584; Sept. 29; Gaz. vol. 136; p. 1046.
 Badge. T. F. Gaynor. No. 39,599; Oct. 6; Gaz. vol. 136; p. 1278.
 Badge. M. A. Hudson. No. 39,600; Oct. 6; Gaz. vol. 136; p. 1278.
 Badge. J. P. Mullally. No. 39,613; Oct. 13; Gaz. vol. 136; p. 1504.
 Badge. B. Thompson. No. 39,614; Oct. 13; Gaz. vol. 136; p. 1505.
 Badge. C. J. Dieges. Nos. 39,671-2; Dec. 1; Gaz. vol. 137; p. 1216.
 Badge, Campaign-. A. M. Parks. No. 39,540; Sept. 15; Gaz. vol. 136; p. 637.
 Badge or similar article. W. J. Burnett. No. 39,308; May 19; Gaz. vol. 134; p. 754.
 Badge or similar article. L. W. Pennington. No. 39,552; Sept. 22; Gaz. vol. 136; p. 821.
 Badge or similar article. A. W. Southard. No. 39,585; Sept. 29; Gaz. vol. 136; p. 1046.
 Badge or similar article. O. W. Gray. No. 39,615; Oct. 13; Gaz. vol. 136; p. 1505.
 Bag. F. L. Kirk. No. 39,267; Apr. 21; Gaz. vol. 133; p. 1915.
 Bag-fastening member. C. Hierung and A. Fuller. No. 39,218; Mar. 24; Gaz. vol. 133; p. 972.
 Bag, Hand-. J. Stember. No. 39,314; May 19; Gaz. vol. 134; p. 755.
 Bag, Hand-. L. Merzbach. Nos. 39,618-19; Oct. 13; Gaz. vol. 136; p. 1505.
 Bag-handle cap. C. Hierung and A. Fuller. No. 39,283; Apr. 28; Gaz. vol. 133; p. 2156.
 Band-stand booth, Portable. M. A. Singer. Nos. 39,518-19; Sept. 8; Gaz. vol. 136; p. 416.
 Bank, Pocket-. B. vom Eigen. No. 39,217; Mar. 24; Gaz. vol. 133; p. 972.
 Bank, Pocket savings-. C. Fisher. No. 39,204; Mar. 17; Gaz. vol. 133; p. 739.
 Barrel-cover. T. E. Ragland. No. 39,058; Feb. 4; Gaz. vol. 132; p. 1047.
 Barrette. A. E. Newton. No. 39,416; July 14; Gaz. vol. 135; p. 428.
 Barrette or hair-fastener. G. R. Farrell. No. 39,554; Sept. 22; Gaz. vol. 136; p. 821.
 Bead for neck-chains or similar articles. L. E. F. Wachter. No. 39,248; Apr. 7; Gaz. vol. 133; p. 1415.
 Bead ring. I. F. Scullin. No. 39,049; Feb. 4; Gaz. vol. 132; p. 1046.
 Bed-pan. C. W. Meinecke and D. Hogan. No. 39,236; Mar. 31; Gaz. vol. 133; p. 1169.
 Belt. S. M. Riker. Nos. 39,582-3; Sept. 22; Gaz. vol. 136; p. 826.
 Belt. A. Falbo. No. 39,667; Nov. 10; Gaz. vol. 137; p. 455.
 Belt. L. Hauser. No. 39,679; Dec. 1; Gaz. vol. 137; p. 1218.
 Belt-clasp. F. E. Mann. No. 39,299; May 12; Gaz. vol. 134; p. 495.
 Belt-shield. F. E. Mann. No. 39,303; May 12; Gaz. vol. 134; p. 496.
 Bib, Washtray-. W. H. Dehn. No. 39,648; Oct. 27; Gaz. vol. 136; p. 1980.
 Bicycle-frame. F. C. Gilbert. No. 39,620; Oct. 13; Gaz. vol. 136; p. 1506.
 Billiard-table. J. J. Pearson. No. 39,173; Mar. 3; Gaz. vol. 133; p. 209.
 Bird-cage. L. H. Johnson, Jr. No. 39,596; Sept. 29; Gaz. vol. 136; p. 1048.
 Blotting-paper. J. Gibson, Jr. No. 39,544; Sept. 15; Gaz. vol. 136; p. 638.
 Bottle. F. X. de Beukelaer. No. 39,117; Feb. 11; Gaz. vol. 132; p. 1295.
 Bottle. G. G. Durand. No. 39,207; Mar. 17; Gaz. vol. 133; p. 739.
 Bottle. C. W. Jones. No. 39,208; Mar. 17; Gaz. vol. 133; p. 739.
 Bottle. P. Garrett. No. 39,215; Mar. 24; Gaz. vol. 133; p. 971.
 Bottle. C. H. Hermann. No. 39,216; Mar. 24; Gaz. vol. 133; p. 972.
 Bottle. G. A. Ball. No. 39,251; Apr. 7; Gaz. vol. 133; p. 1415.
 Bottle. F. U. Bowers. No. 39,292; May 5; Gaz. vol. 134; p. 236.
 Bottle. H. C. Powers. No. 39,371; June 23; Gaz. vol. 134; p. 2007.
 Bottle. F. J. Probst. No. 39,385; June 30; Gaz. vol. 134; p. 2225.
 Bottle. D. W. Bagby. No. 39,476; Sept. 1; Gaz. vol. 136; p. 202.
 Bottle. P. O. E. Friedrich. No. 39,477; Sept. 1; Gaz. vol. 136; p. 202.
 Bottle. J. J. Greene. No. 39,478; Sept. 1; Gaz. vol. 136; p. 202.
 Bottle. P. W. Schofield. No. 39,479; Sept. 1; Gaz. vol. 136; p. 203.
 Bottle. G. B. Van Wye. No. 39,480; Sept. 1; Gaz. vol. 136; p. 203.
 Bottle. H. S. Evans. No. 39,512; Sept. 8; Gaz. vol. 136; p. 415.
 Bottle. D. Taylor. No. 39,625; Oct. 20; Gaz. vol. 136; p. 1748.
 Bottle. G. B. Beiderhase. No. 39,730; Dec. 29; Gaz. vol. 137; p. 2196.
 Bottle. S. Loewenthal. No. 39,731; Dec. 29; Gaz. vol. 137; p. 2196.
 Bottle-casing. G. P. Altenberg. No. 39,481; Sept. 1; Gaz. vol. 136; p. 203.
 Bottle or flask. D. W. Greig. No. 39,231; Mar. 31; Gaz. vol. 133; p. 1168.
 Bottle, Poison-. W. V. Johnston. No. 39,362; June 16; Gaz. vol. 134; p. 1780.
 Box. G. A. Kruttschnitt. No. 39,028; Jan. 14; Gaz. vol. 132; p. 449.
 Box. M. M. Marcuse. No. 39,142; Feb. 18; Gaz. vol. 132; p. 1563.
 Box. G. A. Kruttschnitt. No. 39,233; Mar. 31; Gaz. vol. 133; p. 1168.
 Box. T. E. Murray. No. 39,253; Apr. 7; Gaz. vol. 133; p. 1416.
 Box. F. Schoettle. No. 39,344; June 9; Gaz. vol. 134; p. 1541.
 Box. G. A. Kruttschnitt. No. 39,682; Dec. 8; Gaz. vol. 137; p. 1463.

Alphabetical list of designs—Continued.

- Bracelet. S. Mitchell. Nos. 39,035-7; Jan. 28; Gaz. vol. 132; p. 823.
 Bracelet. J. A. Cowie. No. 39,339; June 9; Gaz. vol. 134; p. 1540.
 Bracket. A. Clutter. No. 39,418; July 14; Gaz. vol. 135; p. 429.
 Bracket, Supporting-. J. Kaiser. No. 39,572; Sept. 22; Gaz. vol. 136; p. 824.
 Braid and braid neckwear. A. H. Grossenbach. No. 39,174; Mar. 3; Gaz. vol. 133; p. 209.
 Branch box for insulated electric wires. M. Havens, Jr. Nos. 39,707-8; Dec. 22; Gaz. vol. 137; pp. 1920-1.
 Bridle-bit. F. C. Monier. No. 39,664; Nov. 3; Gaz. vol. 137; p. 205.
 Bridle-bits, Guard-ring for. J. H. Gregory. No. 38,989; Jan. 7; Gaz. vol. 132; p. 209.
 Brooch. F. Deman. No. 39,458; Aug. 25; Gaz. vol. 135; p. 1783.
 Brooch. H. C. Perley. No. 39,601; Oct. 6; Gaz. vol. 136; p. 1278.
 Brooch. F. W. Ordning. No. 39,602; Oct. 6; Gaz. vol. 136; p. 1278.
 Brooch, button, or buckle plate. A. C. Stone. Nos. 39,243-4; Apr. 7; Gaz. vol. 133; p. 1414.
 Brooch or similar article. J. M. Rossi. No. 39,034; Jan. 28; Gaz. vol. 132; p. 823.
 Brooch-pin. H. W. Fishel. Nos. 39,278-9; Apr. 28; Gaz. vol. 133; p. 2155.
 Brooch-pin. F. W. Koonz. Nos. 39,337-8; June 9; Gaz. vol. 134; p. 1540.
 Brooch-pin. H. W. Fishel. Nos. 39,459-60; Aug. 25; Gaz. vol. 135; p. 1784.
 Brooch-pin. H. W. Fishel. No. 39,693; Dec. 22; Gaz. vol. 137; p. 1918.
 Brooches, scarf-pins, or similar articles, Head of. Z. Freund. No. 39,727; Dec. 29; Gaz. vol. 137; p. 2195.
 Brushes, mirrors, or similar articles, Back for. S. A. Keller. No. 39,383; June 30; Gaz. vol. 134; p. 2225.
 Brushes, mirrors, or similar articles, Back for. H. J. Straker. No. 39,384; June 30; Gaz. vol. 134; p. 2225.
 Brushes, mirrors, or similar articles, Back for. H. J. Herbert. Nos. 39,450-1; Aug. 25; Gaz. vol. 135; p. 1782.
 Brushes, mirrors, or similar articles, Back for. H. J. Herbert. Nos. 39,473-5; Sept. 1; Gaz. vol. 136; pp. 201-2.
 Brushes, mirrors, or similar articles, Back for. H. J. Herbert. Nos. 39,504-6; Sept. 8; Gaz. vol. 136; pp. 413-14.
 Brushes, mirrors, or similar articles, Back of. W. A. Jameson. No. 39,655; Nov. 3; Gaz. vol. 137; p. 203.
 Brushes, mirrors, and similar toilet articles, Back for. G. H. Berry. No. 39,717; Dec. 22; Gaz. vol. 137; p. 1922.
 Buckle, Belt-. F. E. Mann. No. 39,310; May 19; Gaz. vol. 134; p. 754.
 Button, Campaign-. C. F. Pearson. No. 39,165; Mar. 3; Gaz. vol. 133; p. 208.
 Button. D. T. Klein. No. 39,394; July 7; Gaz. vol. 135; p. 199.
 Button. W. J. Wolff. No. 39,395; July 7; Gaz. vol. 135; p. 199.
 Cabinet. A. A. Low. No. 39,593; Sept. 29; Gaz. vol. 136; p. 1047.
 Cabinet, costumer, and shaving-stand, Combination. J. H. Wilson. No. 39,271; Apr. 21; Gaz. vol. 133; p. 1915.
 Cabinet, Information and directory. E. A. Owenshire. No. 39,649; Oct. 27; Gaz. vol. 136; p. 1980.
 Candelabrum. P. R. Zinser. No. 39,404; July 7; Gaz. vol. 135; p. 201.
 Candle-holder. W. A. Jameson. No. 39,645; Oct. 27; Gaz. vol. 136; p. 1979.
 Candy-box. R. C. Hubbard. No. 38,987; Jan. 7; Gaz. vol. 132; p. 209.
 Candy-tongs member. L. Fritzsche. No. 39,508; Sept. 8; Gaz. vol. 136; p. 414.
 Canes, pins, or similar articles, Head for. I. C. A. Bosworth and O. R. Chesnutwood. No. 39,715; Dec. 22; Gaz. vol. 137; p. 1922.
 Cap. M. Mattes. No. 39,202; Mar. 17; Gaz. vol. 133; p. 738.
 Car-body. W. R. McKeen, Jr. No. 39,032; Jan. 21; Gaz. vol. 132; p. 665.
 Card, Color-. T. R. Manley. No. 39,262; Apr. 14; Gaz. vol. 133; p. 1654.
 Carpet. F. A. Haas. No. 39,497; Sept. 1; Gaz. vol. 136; p. 206.
 Carton-holder. H. M. Gale. No. 39,545; Sept. 15; Gaz. vol. 136; p. 638.
 Casket. H. J. Rademacher. No. 39,042; Jan. 28; Gaz. vol. 132; p. 824.
 Casket pedestal, Burial-. C. H. Hiser. Nos. 39,677-8; Dec. 1; Gaz. vol. 137; pp. 1217-18.
 Caskets, coffins, or similar articles, Name-block or saddle for. C. F. Wetmore. No. 39,691; Dec. 15; Gaz. vol. 137; p. 1687.
 Censer. L. V. Aronson. No. 38,986; Jan. 7; Gaz. vol. 132; p. 209.
 Chafing-dish. A. H. S. Swan. No. 39,694; Dec. 22; Gaz. vol. 137; p. 1918.
 Chafing-dish and stand. C. Nelson. No. 39,229; Mar. 31; Gaz. vol. 133; p. 1168.
 Chafing-dish and stand. L. Strassburger and C. Nelson. No. 39,695; Dec. 22; Gaz. vol. 137; p. 1918.
 Chafing-dish stand. A. H. S. Swan. Nos. 39,696-7; Dec. 22; Gaz. vol. 137; p. 1918.
 Chair. L. Killian. No. 39,390; June 30; Gaz. vol. 134; p. 2227.
 Chair. F. Augusteen. No. 39,409; July 7; Gaz. vol. 135; p. 201.
 Chair-back. F. L. Watters. No. 39,546; Sept. 15; Gaz. vol. 136; p. 638.
 Chair body, Rolling-. C. D. Montague. No. 39,547; Sept. 15; Gaz. vol. 136; p. 639.
 Chair side standard, Opera-. J. Salomon. Nos. 39,711-12; Dec. 22; Gaz. vol. 137; p. 1921.
 Charm, pin, or similar article. S. R. Jacobs. Nos. 38,995-39,011; Jan. 14; Gaz. vol. 132; pp. 442-6.
 Charm, pin, or similar article. S. R. Jacobs. Nos. 39,084-116; Feb. 11; Gaz. vol. 132; pp. 1287-95.
 Chimney-top. E. McClung. No. 39,621; Oct. 13; Gaz. vol. 136; p. 1506.
 Christmas bag or pack. M. Prugh. No. 39,516; Sept. 8; Gaz. vol. 136; p. 416.
 Cigar. J. W. Michel. No. 39,438; Aug. 4; Gaz. vol. 135; p. 1107.
 Cigar-band. F. A. C. Kaiser. No. 39,261; Apr. 14; Gaz. vol. 133; p. 1654.
 Cigar-band. C. P. Young. No. 39,659; Nov. 3; Gaz. vol. 137; p. 204.
 Cigar-lighter. C. Hubert. No. 39,605; Oct. 6; Gaz. vol. 136; p. 1279.
 Clock-case. L. V. Aronson. No. 39,312; May 19; Gaz. vol. 134; p. 755.
 Clock-case foot. R. A. Culver. No. 39,563; Sept. 22; Gaz. vol. 136; p. 823.
 Clock holder or support. L. V. Aronson. No. 39,330; June 2; Gaz. vol. 134; p. 1283.
 Clock-stand and picture-frame. G. Keppler. No. 39,642; Oct. 27; Gaz. vol. 136; p. 1979.
 Clothes-hanger base. M. A. Wiggin. No. 39,270; Apr. 21; Gaz. vol. 133; p. 1915.
 Coaster-brake hub. A. J. Musselman. No. 39,692; Dec. 15; Gaz. vol. 137; p. 1687.
 Coat, Woman's. N. Reisman. Nos. 39,043-4; Jan. 28; Gaz. vol. 132; p. 824.
 Cocks, Valve-shell for stop-. H. M. Hoelscher. No. 39,551; Sept. 15; Gaz. vol. 136; p. 639.
 Collar, Lady's wire. M. V. Maag. Nos. 39,580-1; Sept. 22; Gaz. vol. 136; p. 825.
 Collar, Shirt-. D. R. Griffith. No. 39,298; May 5; Gaz. vol. 134; p. 237.
 Comb. S. Williams. No. 39,053; Feb. 4; Gaz. vol. 132; p. 1047.
 Comb. F. W. Grell. Nos. 39,167-70; Mar. 3; Gaz. vol. 133; pp. 208-9.
 Comb. B. W. Doyle. No. 39,657; Nov. 3; Gaz. vol. 137; p. 204.
 Comb, Back. F. E. Mann. No. 39,301; May 12; Gaz. vol. 134; p. 495.
 Comb, Back. A. E. Newton and A. C. Merriman. Nos. 39,674-5; Dec. 1; Gaz. vol. 137; p. 1217.
 Comb, Puff-retaining. T. F. McKenna. No. 39,501; Sept. 8; Gaz. vol. 136; p. 413.
 Copy-holder. W. J. Willson and H. E. Dix. No. 39,646; Oct. 27; Gaz. vol. 136; p. 1979.
 Cup. W. F. Rothenmund. No. 39,556; Sept. 22; Gaz. vol. 136; p. 822.
 Curtain, Lace. W. Hardy. Nos. 39,494-5; Sept. 1; Gaz. vol. 136; p. 205.
 Curtain, Lace. W. Hardy. Nos. 39,535-6; Sept. 8; Gaz. vol. 136; p. 420.
 Curtain, Open-work. W. M. Maser. No. 39,496; Sept. 1; Gaz. vol. 136; p. 206.
 Desk. W. J. Sally. No. 39,543; Sept. 15; Gaz. vol. 136; p. 638.
 Dish. P. R. Zinser. No. 39,401; July 7; Gaz. vol. 135; p. 200.
 Dish, Covered. A. Parautaud. No. 39,305; May 12; Gaz. vol. 134; p. 496.
 Dish, Metal. W. Kilian. No. 39,052; Feb. 4; Gaz. vol. 132; p. 1047.
 Dish or similar article. G. C. Thiesen. Nos. 38,981-4; Jan. 7; Gaz. vol. 132; p. 208.
 Dish or similar article, Covered. C. J. Ahrenfeldt. No. 39,179; Mar. 10; Gaz. vol. 133; p. 494.
 Display-box for penholders and pencils. F. McIntyre. No. 39,437; Aug. 4; Gaz. vol. 135; p. 1106.
 Display-cabinet. H. Heimann. No. 39,210; Mar. 17; Gaz. vol. 133; p. 740.
 Display-can, Sheet-metal. F. Rudolph. No. 39,120; Feb. 11; Gaz. vol. 132; p. 1296.
 Display-rack. J. A. Larson. No. 39,209; Mar. 17; Gaz. vol. 133; p. 740.
 Display-stand. H. W. Fishel. No. 39,483; Sept. 1; Gaz. vol. 136; p. 204.
 Display-stand and hanger. H. A. Richardson. No. 39,172; Mar. 3; Gaz. vol. 133; p. 209.
 Display-stand, Revolving. E. Berolzheimer. No. 39,376; June 23; Gaz. vol. 134; p. 2008.
 Easel. J. B. Timberlake. No. 39,318; May 26; Gaz. vol. 134; p. 1027.
 Electric-cut-out holder. T. E. Murray. No. 39,435; July 28; Gaz. vol. 135; p. 877.
 Electric-fuse case. T. E. Murray. Nos. 39,735-6; Dec. 29; Gaz. vol. 137; p. 2197.
 Electric-heater casing. F. C. Green. No. 39,040; Jan. 28; Gaz. vol. 132; p. 824.
 Electric-light cluster. R. B. Benjamin. No. 39,057; Feb. 4; Gaz. vol. 132; p. 1047.
 Electroliter. H. A. Smith. No. 39,121; Feb. 11; Gaz. vol. 132; p. 1296.

Alphabetical list of designs—Continued.

- Electrolier, Cluster-. J. W. Thomas. No. 39,286; Apr. 28; Gaz. vol. 133; p. 2156.
 Emblem. F. A. Miller. No. 39,155; Feb. 25; Gaz. vol. 132; p. 1809.
 Emblem. F. E. Mann. Nos. 39,195-6; Mar. 17; Gaz. vol. 133; p. 737.
 Emblem. G. H. Maisch. No. 39,197; Mar. 17; Gaz. vol. 133; p. 737.
 Emblem. R. H. Hunt. Nos. 39,241-2; Apr. 7; Gaz. vol. 133; p. 1414.
 Emblem. Z. S. Eldredge. No. 39,258; Apr. 14; Gaz. vol. 133; p. 1653.
 Emblem. B. T. Capen. No. 39,380; June 30; Gaz. vol. 134; p. 2224.
 Emblem. L. J. Fox. No. 39,433; July 28; Gaz. vol. 135; p. 877.
 Emblem. L. J. Fox. No. 39,622; Oct. 20; Gaz. vol. 136; p. 1748.
 Emblem. B. E. Burke. No. 39,633; Oct. 27; Gaz. vol. 136; p. 1977.
 Emblem. C. E. Hansen. No. 39,723; Dec. 29; Gaz. vol. 137; p. 2195.
 Emblem. A. Schicklerling. Nos. 39,724-5; Dec. 29; Gaz. vol. 137; p. 2195.
 Emblem, Campaign. E. J. Pospisil. No. 39,586; Sept. 29; Gaz. vol. 136; p. 1046.
 Emblem or badge. C. Brinton. No. 39,367; June 23; Gaz. vol. 134; p. 2006.
 Emblem or similar article. C. B. Braunstein. No. 39,587; Sept. 29; Gaz. vol. 136; p. 1046.
 Emblem or similar article. J. Hoffmann. No. 39,634; Oct. 27; Gaz. vol. 136; p. 1977.
 Eraser. E. Faber. No. 39,025; Jan. 14; Gaz. vol. 132; p. 449.
 Eraser. E. McCoy. No. 39,542; Sept. 15; Gaz. vol. 136; p. 638.
 Exhibition-booth, Portable. M. A. Singer. Nos. 39,520-6; Sept. 8; Gaz. vol. 136; pp. 416-18.
 Eyeglass nose-guard. B. M. Levoy. No. 39,513; Sept. 8; Gaz. vol. 136; p. 415.
 Fabric, Lace. R. S. Wingert. Nos. 39,530-4; Sept. 8; Gaz. vol. 136; pp. 418-19.
 Fabric, Pile. F. E. Kip. Nos. 39,021-4; Jan. 14; Gaz. vol. 132; pp. 448-9.
 Fabric, Pile. F. E. Kip. Nos. 39,073-4; Feb. 4; Gaz. vol. 132; p. 1049.
 Fabric, Pile. S. Blumenthal. No. 39,163; Feb. 25; Gaz. vol. 132; p. 1811.
 Fabric, Pile. F. E. Kip. No. 39,193; Mar. 10; Gaz. vol. 133; p. 496.
 Fabric, Pile. F. H. Walker. No. 39,290; Apr. 28; Gaz. vol. 133; p. 2157.
 Fabric, Silk. S. Y. Johnson. No. 39,148; Feb. 18; Gaz. vol. 132; p. 1564.
 Fabric, Textile. H. P. Johnstone. Nos. 39,060-1; Feb. 4; Gaz. vol. 132; p. 1043.
 Fabric, Textile. H. Jacobson. Nos. 39,062-72; Feb. 4; Gaz. vol. 132; pp. 1048-9.
 Fabric, Textile. P. Schneidesch. Nos. 39,126-7; Feb. 11; Gaz. vol. 132; pp. 1296-7.
 Fabric, Textile. P. Mouton. Nos. 39,128-32; Feb. 11; Gaz. vol. 132; pp. 1297-8.
 Fabric, Textile. P. Dupont. No. 39,149; Feb. 18; Gaz. vol. 132; p. 1564.
 Fabric, Textile. R. Gattiker. Nos. 39,150-4; Feb. 18; Gaz. vol. 132; pp. 1564-5.
 Fabric, Textile. E. Sims. Nos. 39,223-6; Mar. 24; Gaz. vol. 133; p. 973.
 Fabric, Textile. H. Jacobson. Nos. 39,239-40; Mar. 31; Gaz. vol. 133; p. 1170.
 Fabric, Textile. R. Kafka. No. 39,529; Sept. 8; Gaz. vol. 136; p. 418.
 Fan casing, Motor-. E. Snyder. No. 39,419; July 14; Gaz. vol. 135; p. 429.
 Faucet-handle. B. H. Jansen. No. 39,269; Apr. 21; Gaz. vol. 133; p. 1915.
 Fence-post. J. F. Shelton. No. 39,273; Apr. 21; Gaz. vol. 133; p. 1916.
 Files, tooth-brushes, or similar articles. Handle for manicure-. H. J. Herbert. Nos. 39,502-3; Sept. 8; Gaz. vol. 136; p. 413.
 Flag. M. G. Coker. No. 39,541; Sept. 15; Gaz. vol. 136; p. 638.
 Fly-plate, Sticky. C. Schedell. No. 39,263; Apr. 14; Gaz. vol. 133; p. 1654.
 Fob. C. O. Nash. No. 39,361; June 16; Gaz. vol. 134; p. 1780.
 Fobs, brooches, pins, or similar articles, Head for. H. Kollmar. No. 39,259; Apr. 14; Gaz. vol. 133; p. 1654.
 Furnace. E. Katzinger. No. 39,333; June 2; Gaz. vol. 134; p. 1284.
 Furnace. F. O. Green. No. 39,608; Oct. 6; Gaz. vol. 136; p. 1279.
 Game-board. W. B. Clark. No. 39,306; May 12; Gaz. vol. 134; p. 496.
 Game-board. J. R. Campbell. No. 39,517; Sept. 8; Gaz. vol. 136; p. 416.
 Game device, Parlor-. S. D. Stone. No. 39,443; Aug. 11; Gaz. vol. 135; p. 1346.
 Game of five hundred, Schedule-card for the. W. B. Champlin. No. 39,578; Sept. 22; Gaz. vol. 136; p. 825.
 Garment-clasps, Base-plate for. B. T. Wendell. No. 39,237; Mar. 31; Gaz. vol. 133; p. 1169.
 Gas-burner, Inverted. F. M. Brooks. No. 39,567; Sept. 22; Gaz. vol. 136; p. 823.
 Gas generator, Acetylene-. E. M. Rosenbluth. No. 39,255; Apr. 7; Gaz. vol. 133; p. 1416.
 Glass bowl. R. Murr. No. 39,118; Feb. 11; Gaz. vol. 132; p. 1295.
 Glass dish or similar article. W. E. Egginton. No. 39,051; Feb. 4; Gaz. vol. 132; p. 1046.
 Glass, Drinking-. L. Bessière. No. 39,047; Jan. 28; Gaz. vol. 132; p. 825.
 Glass jar. C. S. Whipple. No. 39,403; July 7; Gaz. vol. 135; p. 200.
 Glass, Plate-. A. D. Brogan and A. M. Malloch. No. 39,185; Mar. 10; Gaz. vol. 133; p. 495.
 Glass shade or ball. R. T. Cordeau. Nos. 39,182-3; Mar. 10; Gaz. vol. 133; p. 495.
 Glass shade or globe. M. W. Gleason. No. 39,180; Mar. 10; Gaz. vol. 133; p. 494.
 Glass shade or globe. P. Schilling. No. 39,181; Mar. 10; Gaz. vol. 133; p. 495.
 Glass vessel. O. J. W. Higbee. No. 39,230; Mar. 31; Gaz. vol. 133; p. 1168.
 Glass vessel. J. C. Haley. No. 39,402; July 7; Gaz. vol. 135; p. 200.
 Glass vessel. C. S. Whipple. No. 39,432; July 21; Gaz. vol. 135; p. 650.
 Glass vessel. A. Steffin. No. 39,643; Oct. 27; Gaz. vol. 136; p. 1979.
 Glass vessel or similar article. L. Hinsberger. No. 39,313; May 19; Gaz. vol. 134; p. 755.
 Globe for pendent lights. E. O. Cross. No. 39,405; July 7; Gaz. vol. 135; p. 201.
 Globe, Glass. G. F. Wehr. No. 39,442; Aug. 11; Gaz. vol. 135; p. 1346.
 Glove. C. Leppert. No. 39,597; Sept. 29; Gaz. vol. 136; p. 1048.
 Glove. D. E. Richards. No. 39,609; Oct. 6; Gaz. vol. 136; p. 1279.
 Glove. I. Oliver. No. 39,685; Dec. 8; Gaz. vol. 137; p. 1464.
 Grinding-mill standard. C. N. McLaughlin. No. 39,627; Oct. 20; Gaz. vol. 136; p. 1749.
 Hammock. I. E. Palmer. No. 39,161; Feb. 25; Gaz. vol. 132; p. 1811.
 Hand-bag. H. Grossman. No. 39,157; Feb. 25; Gaz. vol. 132; p. 1809.
 Hand-bag. J. L. Cutler. No. 39,200; Mar. 17; Gaz. vol. 133; p. 738.
 Harmonica. M. Hohner. No. 39,410; July 7; Gaz. vol. 135; p. 202.
 Harness ornament. S. W. Reynolds. No. 39,055; Feb. 4; Gaz. vol. 132; p. 1047.
 Hat, Child's. S. G. Hirschberg. No. 39,392; June 30; Gaz. vol. 134; p. 2227.
 Hat-fastener, Lady's. M. E. Purdy. No. 39,589; Sept. 29; Gaz. vol. 136; p. 1046.
 Hat-holder pin. J. E. Julien and E. Baudoin. No. 39,137; Feb. 18; Gaz. vol. 132; p. 1562.
 Hat-pin. F. E. Mann. No. 39,302; May 12; Gaz. vol. 134; p. 495.
 Hat, Soft felt. H. H. Roelofs. No. 39,680; Dec. 1; Gaz. vol. 137; p. 1218.
 Hinge-butt. W. J. Neidl. No. 39,124; Feb. 11; Gaz. vol. 132; p. 1296.
 Hinge-leaf. O. E. Brandt. Nos. 39,363-5; June 16; Gaz. vol. 134; p. 1781.
 Hinge, Screen-door. W. H. Brothers. No. 39,992; Jan. 7; Gaz. vol. 132; p. 210.
 Horn. C. H. Foster. No. 39,026; Jan. 14; Gaz. vol. 132; p. 449.
 Hub-cap for motor-vehicles. R. Huff. No. 39,256; Apr. 7; Gaz. vol. 133; p. 1416.
 Image. F. Pretz. No. 39,603; Oct. 6; Gaz. vol. 136; p. 1278.
 Implement-holder. A. A. Low. No. 39,591; Sept. 29; Gaz. vol. 136; p. 1047.
 Incubator. A. L. Pinkerton-Gardiner. No. 39,212; Mar. 17; Gaz. vol. 133; p. 740.
 Inkstand. F. M. Ashley. No. 39,166; Mar. 3; Gaz. vol. 133; p. 208.
 Inkstand. C. H. Numan. No. 39,268; Apr. 21; Gaz. vol. 133; p. 1915.
 Jacket. W. H. Wye. No. 39,346; June 9; Gaz. vol. 134; p. 1542.
 Jar. D. R. Brown. No. 39,291; May 5; Gaz. vol. 134; p. 236.
 Jewelry-case. J. R. Sundee. No. 39,311; May 19; Gaz. vol. 134; p. 755.
 Jug. O. Kopel. No. 39,141; Feb. 18; Gaz. vol. 132; p. 1562.
 Key. C. E. Johnson. No. 39,647; Oct. 27; Gaz. vol. 136; p. 1979.
 Key-blank. A. C. Jackson. No. 39,689; Dec. 15; Gaz. vol. 137; p. 1687.
 Kindergarden-table. H. N. Van Fleet. No. 39,607; Oct. 6; Gaz. vol. 136; p. 1279.
 Knife, spoon, or similar article. G. Strobhaker. No. 39,624; Oct. 20; Gaz. vol. 136; p. 1748.
 Knit fabric. C. H. French. No. 39,334; June 2; Gaz. vol. 134; p. 1284.
 Lace curtain. W. Hardy. No. 39,020; Jan. 14; Gaz. vol. 132; p. 448.
 Lace, Levers. C. W. Birkin. Nos. 39,188-92; Mar. 10; Gaz. vol. 133; p. 496.

Alphabetical list of designs—Continued.

- Lace, Levers. C. W. Birkin. Nos. 39,668-70; Nov. 10; Gaz. vol. 137; p. 455.
 Lace, Shoe. C. Tweedie. No. 38,993; Jan. 7; Gaz. vol. 132; p. 210.
 Lacing-hook. M. N. Bray. No. 39,201; Mar. 17; Gaz. vol. 133; p. 738.
 Lamp. H. Saxon. No. 39,234; Mar. 31; Gaz. vol. 133; p. 1169.
 Lamp. H. H. Eason. No. 39,374; June 23; Gaz. vol. 134; p. 2007.
 Lamp. O. Ste. Marie. No. 39,375; June 23; Gaz. vol. 134; p. 2007.
 Lamp. P. Krastin. No. 39,484; Sept. 1; Gaz. vol. 136; p. 204.
 Lamp. E. R. Estep. No. 39,564; Sept. 22; Gaz. vol. 136; p. 823.
 Lamp. M. J. Wohl and H. Hertzberg. No. 39,565; Sept. 22; Gaz. vol. 136; p. 823.
 Lamp, Acetylene. F. E. Baldwin. No. 38,988; Jan. 7; Gaz. vol. 132; p. 209.
 Lamp, Arc. M. J. Wohl and H. Hertzberg. No. 39,420; July 14; Gaz. vol. 135; p. 429.
 Lamp, Gas. A. Rector. No. 39,184; Mar. 10; Gaz. vol. 133; p. 495.
 Lamp, Gas. A. Rector. Nos. 39,386-8; June 30; Gaz. vol. 134; p. 2226.
 Lamp, Gas. A. Rector. No. 39,406; July 7; Gaz. vol. 135; p. 201.
 Lamp globe, Arc. M. J. Wohl and H. Hertzberg. No. 39,439; Aug. 4; Gaz. vol. 135; p. 1107.
 Lamp globe, Electric. J. W. Phelps. No. 39,323; May 26; Gaz. vol. 134; p. 1023.
 Lamp globe, Electric-arc. W. D. Ryan and G. H. Stickney. No. 39,143; Feb. 18; Gaz. vol. 132; p. 1563.
 Lamp-pedestal. F. S. Verbeck. No. 39,566; Sept. 22; Gaz. vol. 136; p. 823.
 Lamp-pedestal. A. L. Swift. No. 39,676; Dec. 1; Gaz. vol. 137; p. 1217.
 Lamp-shade. F. S. Verbeck. No. 39,285; Apr. 28; Gaz. vol. 133; p. 2156.
 Lamp-shade. L. W. Rice. No. 39,373; June 23; Gaz. vol. 134; p. 2007.
 Lamp, Street. C. P. Massard. No. 39,345; June 9; Gaz. vol. 134; p. 1541.
 Lantern, Projecting. J. E. Lagergren. No. 39,446; Aug. 18; Gaz. vol. 135; p. 1567.
 Lavatory-pedestal. E. C. Stover. No. 39,288; Apr. 28; Gaz. vol. 133; p. 2156.
 Lead and crayon holder, Automatic. C. W. Boman. No. 39,561; Sept. 22; Gaz. vol. 136; p. 822.
 Leg, Supporting. J. Allingham. No. 39,550; Sept. 15; Gaz. vol. 136; p. 639.
 Light reflector, Artificial. K. Booth. Nos. 39,448-9; Aug. 18; Gaz. vol. 135; p. 1567.
 Light-shade. L. R. Hopton. Nos. 39,661-2; Nov. 3; Gaz. vol. 137; p. 204.
 Light shade or globe, Artificial. K. Booth. No. 39,447; Aug. 18; Gaz. vol. 135; p. 1567.
 Liquid-dispensing vessel. L. G. Langstaff. No. 39,232; Mar. 31; Gaz. vol. 133; p. 1168.
 Locket. B. B. Lederer. No. 39,245; Apr. 7; Gaz. vol. 133; p. 1414.
 Locket. E. H. Lohrmann. No. 39,246; Apr. 7; Gaz. vol. 133; p. 1415.
 Locket. S. A. Keller. No. 39,280; Apr. 28; Gaz. vol. 133; p. 2155.
 Locket or similar article. W. G. Ginder. No. 38,980; Jan. 7; Gaz. vol. 132; p. 208.
 Locket or similar article. F. W. Arnold. No. 39,048; Feb. 4; Gaz. vol. 132; p. 1046.
 Locket, pendant, or similar article. W. D. and R. W. Denton. No. 39,413; July 14; Gaz. vol. 135; p. 428.
 Lunch-board, Lap. L. Van Putten. No. 39,490; Sept. 1; Gaz. vol. 136; p. 205.
 Mail-box. C. H. Baldwin. No. 39,569; Sept. 22; Gaz. vol. 136; p. 824.
 Match-box. J. J. Kwik. No. 39,199; Mar. 17; Gaz. vol. 133; p. 738.
 Match-box. G. W. Battles. No. 39,304; May 12; Gaz. vol. 134; p. 496.
 Match-box support. L. T. Savage. No. 39,434; July 28; Gaz. vol. 135; p. 877.
 Medal or badge. C. D. Peck. No. 39,329; June 2; Gaz. vol. 134; p. 1283.
 Medicine-dropper. O. F. Hall. No. 39,683; Dec. 8; Gaz. vol. 137; p. 1464.
 Medicine-dropper and bottle-stopper. O. F. Hall. No. 39,688; Dec. 15; Gaz. vol. 137; p. 1686.
 Metal mesh fabric. F. J. Lightbody. No. 39,706; Dec. 22; Gaz. vol. 137; p. 1920.
 Mirror. M. Grant. No. 39,507; Sept. 8; Gaz. vol. 136; p. 414.
 Mirror or picture frame. J. P. Eustis. Nos. 39,638-41; Oct. 27; Gaz. vol. 136; p. 1978.
 Mirror or similar article, Hand. S. A. Keller. No. 39,656; Nov. 3; Gaz. vol. 137; p. 203.
 Mirrors, brushes, or similar articles, Back for. H. J. Herbert. Nos. 39,452-5; Aug. 25; Gaz. vol. 135; p. 1783.
 Money-box. B. vom Eigen. No. 39,260; Apr. 14; Gaz. vol. 133; p. 1654.
 Motorcycle-horn. L. Rubes. No. 39,486; Sept. 1; Gaz. vol. 136; p. 204.
 Muscle-testing machines, Casing for. A. A. Brodeur. No. 39,159; Feb. 25; Gaz. vol. 132; p. 1810.
 Neck and chest protector. J. S. Mead. Nos. 39,610-12; Oct. 6; Gaz. vol. 136; pp. 1279-80.
 Neck and chest protector. J. S. Mead. Nos. 39,732-3; Dec. 29; Gaz. vol. 137; pp. 2196-7.
 Neck-ruff form. T. P. Taylor. No. 39,716; Dec. 22; Gaz. vol. 137; p. 1922.
 Necklace. C. A. McDonald. No. 39,136; Feb. 18; Gaz. vol. 132; p. 1562.
 Necktie. A. J. Bendix. No. 39,378; June 23; Gaz. vol. 134; p. 2008.
 Neckwear fabric. J. E. Kirberg. No. 39,686; Dec. 8; Gaz. vol. 137; p. 1464.
 Note-sheet, Shorthand. W. J. Guy. No. 39,492; Sept. 1; Gaz. vol. 136; p. 205.
 Oil-cloth. A. Hunsicker. Nos. 39,296-7; May 5; Gaz. vol. 134; p. 237.
 Oven, Baking and warming. L. Stockstrom. No. 39,235; Mar. 31; Gaz. vol. 133; p. 1169.
 Pan-lifter. B. F. Bain. No. 39,441; Aug. 11; Gaz. vol. 135; p. 1345.
 Paper, Blotting. J. Gibson, Jr. No. 39,690; Dec. 15; Gaz. vol. 137; p. 1687.
 Paper, Box-covering. C. H. Bowman. No. 39,425; July 14; Gaz. vol. 135; p. 431.
 Paper, Box-covering. A. F. Schamm. No. 39,426; July 14; Gaz. vol. 135; p. 431.
 Paper, Decorative. C. L. Mead. No. 39,295; May 5; Gaz. vol. 134; p. 237.
 Pavement. F. F. Landis. No. 39,059; Feb. 4; Gaz. vol. 132; p. 1047.
 Paving-brick, Skeleton. A. A. Mullen. No. 39,654; Oct. 27; Gaz. vol. 136; p. 1981.
 Pedestal and jardinière. E. L. Collis. No. 39,016; Jan. 14; Gaz. vol. 132; p. 447.
 Pen-box, desk-tray, and paper-weight. C. R. Smead. No. 39,729; Dec. 29; Gaz. vol. 137; p. 2196.
 Pencil-case. E. Pearl. No. 39,559; Sept. 22; Gaz. vol. 136; p. 822.
 Pencil, Propelling. H. Heymann. No. 39,560; Sept. 22; Gaz. vol. 136; p. 822.
 Photograph or picture holder. G. Thompson. No. 39,252; Apr. 7; Gaz. vol. 133; p. 1415.
 Photographic mount. H. L. Stanton and J. M. Love. No. 39,145; Feb. 18; Gaz. vol. 132; p. 1563.
 Piano-case. L. D. Perry. Nos. 39,713-14; Dec. 22; Gaz. vol. 137; pp. 1921-2.
 Picture-frame. J. P. Staderman. No. 39,372; June 23; Gaz. vol. 134; p. 2007.
 Picture-frame. F. Jandt. No. 39,463; Aug. 25; Gaz. vol. 135; p. 1784.
 Picture frame, Moving. A. E. Marshall. No. 39,030; Jan. 21; Gaz. vol. 132; p. 665.
 Picture, Framed. A. Abbaticchio. No. 39,681; Dec. 8; Gaz. vol. 137; p. 1463.
 Picture glass and frame, Combined. H. D. Sterrick. No. 39,665; Nov. 10; Gaz. vol. 137; p. 454.
 Pillar-seat. J. B. Holtzclaw. No. 39,265; Apr. 14; Gaz. vol. 133; p. 1655.
 Pillow-cover. L. G. and J. H. Langrock. No. 39,162; Feb. 25; Gaz. vol. 132; p. 1811.
 Pincushion. E. Daucher. No. 39,579; Sept. 22; Gaz. vol. 136; p. 825.
 Pincushion and receptacle. H. W. Buehler, Sr. No. 39,514; Sept. 8; Gaz. vol. 136; p. 415.
 Pin or button head. D. P. Berry. No. 39,164; Mar. 3; Gaz. vol. 133; p. 208.
 Pin or button head. C. H. Clark. No. 39,436; Aug. 4; Gaz. vol. 135; p. 1106.
 Pipe-holder. C. Elkin. No. 39,558; Sept. 22; Gaz. vol. 136; p. 822.
 Pipe trap, Waste-water. W. J. Frost. No. 39,573; Sept. 22; Gaz. vol. 136; p. 825.
 Pistol-handle. F. C. Nichols. No. 39,284; Apr. 28; Gaz. vol. 133; p. 2156.
 Pitcher or similar article. G. C. Thiesen. No. 38,985; Jan. 7; Gaz. vol. 132; p. 209.
 Plate. H. E. Dudley. No. 39,658; Nov. 3; Gaz. vol. 137; p. 204.
 Plate. E. E. Walter. No. 39,728; Dec. 29; Gaz. vol. 137; p. 2196.
 Plate, Decorative. A. J. Fondeville. No. 39,198; Mar. 17; Gaz. vol. 133; p. 738.
 Plate or similar article. G. A. Alexander. No. 39,039; Jan. 28; Gaz. vol. 132; p. 823.
 Plate or similar article. C. J. Ahrenfeldt. Nos. 39,176-8; Mar. 10; Gaz. vol. 133; pp. 493-4.
 Plate or similar article. J. W. Pointon. No. 39,214; Mar. 24; Gaz. vol. 133; p. 971.
 Plate, Prism. E. J. Dobbins. No. 39,666; Nov. 10; Gaz. vol. 137; p. 454.
 Platter or similar article. G. E. Ball. No. 39,511; Sept. 8; Gaz. vol. 136; p. 415.
 Pocket-book. H. Grossman. No. 39,417; July 14; Gaz. vol. 135; p. 429.
 Portière. B. F. White. No. 38,994; Jan. 7; Gaz. vol. 132; p. 210.
 Pottery jar. W. D. Brereton. Nos. 39,139-40; Feb. 18; Gaz. vol. 132; p. 1562.
 Pottery jar. G. E. Patton. No. 39,206; Mar. 17; Gaz. vol. 133; p. 739.
 Powder-container cap. F. S. Hyatt. No. 39,590; Sept. 29; Gaz. vol. 136; p. 1047.

Alphabetical list of designs—Continued.

- Printer's rule-corner. W. C. F. Papke. No. 39,562; Sept. 22; Gaz. vol. 136; p. 822.
- Purse. M. W. Wilkins. No. 39,617; Oct. 13; Gaz. vol. 136; p. 1505.
- Racks or drawers, Front member for. D. B. Plunkett. No. 39,570; Sept. 22; Gaz. vol. 136; p. 824.
- Radiator. J. A. Field. No. 39,324; May 26; Gaz. vol. 134; p. 1028.
- Radiator, Automatic. C. Schmidt. No. 39,187; Mar. 10; Gaz. vol. 133; p. 496.
- Radiator section, Wall-. J. A. Holfelder. No. 39,031; Jan. 21; Gaz. vol. 132; p. 665.
- Range, Gas-. W. M. Crane. No. 39,626; Oct. 20; Gaz. vol. 136; p. 1748.
- Reel or bobbin. M. L. Frings. No. 39,254; Apr. 7; Gaz. vol. 133; p. 1416.
- Register face-plate. H. J. Valentine. No. 39,663; Nov. 3; Gaz. vol. 137; p. 205.
- Register or grille. A. B. Wenink. No. 39,421; July 14; Gaz. vol. 135; p. 429.
- Register stands, Head of hotel-. E. Miller. No. 39,549; Sept. 15; Gaz. vol. 136; p. 639.
- Ring. W. J. Carey. No. 39,309; May 19; Gaz. vol. 134; p. 754.
- Ring. I. C. Hartzell. No. 39,368; June 23; Gaz. vol. 134; p. 2006.
- Ring. H. Leiser. No. 39,444; Aug. 18; Gaz. vol. 135; p. 1566.
- Ring. W. E. Edwards. No. 39,553; Sept. 22; Gaz. vol. 136; p. 821.
- Ring or similar article. M. L. Robbins. No. 39,247; Apr. 7; Gaz. vol. 133; p. 1415.
- Ring or similar article, Finger-. J. A. De Luisi. No. 39,623; Oct. 20; Gaz. vol. 136; p. 1748.
- Rubber heel. W. A. Koneman. No. 39,027; Jan. 14; Gaz. vol. 132; p. 449.
- Ruching. L. Kramer. No. 39,379; June 23; Gaz. vol. 134; p. 2008.
- Ruching. A. Boehm. No. 39,498; Sept. 1; Gaz. vol. 136; p. 206.
- Rug. A. Petzold. Nos. 39,045-6; Jan. 28; Gaz. vol. 132; pp. 824-5.
- Rug. A. Petzold. Nos. 39,075-83; Feb. 4; Gaz. vol. 132; pp. 1050-1.
- Rug. W. A. Perry. No. 39,221; Mar. 24; Gaz. vol. 133; p. 972.
- Rug. F. A. Haas. No. 39,222; Mar. 24; Gaz. vol. 133; p. 973.
- Rug. J. W. Hill. Nos. 39,348-60; June 9; Gaz. vol. 134; pp. 1542-4.
- Rug. A. Petzold. No. 39,391; June 30; Gaz. vol. 134; p. 2227.
- Rug. A. Petzold. Nos. 39,537-9; Sept. 8; Gaz. vol. 136; p. 420.
- Saw frame, Hack-. L. A. Kimball. No. 39,122; Feb. 11; Gaz. vol. 132; p. 1296.
- Scarf, Neck-. J. Mead. No. 39,347; June 9; Gaz. vol. 134; p. 1542.
- Scarf-pin or similar article. H. J. Lichtenberger. No. 39,396; July 7; Gaz. vol. 135; p. 199.
- Screen, Closet-. J. W. Kelly. No. 39,631; Oct. 20; Gaz. vol. 136; p. 1750.
- Seat end. E. G. Budd. No. 39,630; Oct. 20; Gaz. vol. 136; p. 1750.
- Shade-holder. H. E. Watkins. No. 39,592; Sept. 29; Gaz. vol. 136; p. 1047.
- Shade or globe for artificial lights. G. F. Wehr. Nos. 39,293-4; May 5; Gaz. vol. 134; p. 236.
- Sheet-metal-pipe elbow. H. F. Voshardt. No. 39,722; Dec. 22; Gaz. vol. 137; p. 1923.
- Shell for lighting-fixtures. H. E. Watkins. Nos. 39,698-705; Dec. 22; Gaz. vol. 137; pp. 1919-20.
- Shoe. S. Borchardt. No. 39,203; Mar. 17; Gaz. vol. 133; p. 739.
- Shoe-polishing-machine casing. E. F. Stratton. No. 39,571; Sept. 22; Gaz. vol. 136; p. 824.
- Sideboard. O. Hebestreit. No. 39,491; Sept. 1; Gaz. vol. 136; p. 205.
- Sign. S. Samson. Nos. 39,709-10; Dec. 22; Gaz. vol. 137; p. 1921.
- Sign, Druggist's. R. A. Walter. No. 39,568; Sept. 22; Gaz. vol. 136; p. 823.
- Sign, Electrically-illuminated. F. W. Lord. No. 39,186; Mar. 10; Gaz. vol. 133; p. 495.
- Sign, Street-. E. J. Bliss. No. 39,465; Aug. 25; Gaz. vol. 135; p. 1785.
- Silverware-border. J. E. Straker, Jr. No. 39,588; Sept. 29; Gaz. vol. 136; p. 1046.
- Slipper. F. Ostrowsky. No. 39,412; July 7; Gaz. vol. 135; p. 202.
- Soda-water-fountain casing. C. F. Powers. No. 39,606; Oct. 6; Gaz. vol. 136; p. 1279.
- Souvenir-badge. D. M. Westcott. No. 39,726; Dec. 29; Gaz. vol. 137; p. 2195.
- Spark-plug. W. Diebel. No. 39,287; Apr. 28; Gaz. vol. 133; p. 2156.
- Speedometer-casing. J. W. Jones. No. 39,319; May 26; Gaz. vol. 134; p. 1027.
- Spoon. A. Atwood. No. 39,555; Sept. 22; Gaz. vol. 136; p. 821.
- Spoon, Bonbon-. W. W. Brown. No. 39,468; Sept. 1; Gaz. vol. 136; p. 200.
- Spoon, fork, or similar article. S. R. Jacobs. No. 39,281; Apr. 28; Gaz. vol. 133; p. 2155.
- Spoon, fork, or similar article. C. A. Bennett. No. 39,340; June 9; Gaz. vol. 134; p. 1540.
- Spoon, fork, or similar article. J. Clulee. Nos. 39,341-2; June 9; Gaz. vol. 134; p. 1541.
- Spoon, fork, or similar article. W. H. Perkins. No. 39,343; June 9; Gaz. vol. 134; p. 1541.
- Spoon, fork, or similar article. C. W. Malmquist. No. 39,415; July 14; Gaz. vol. 135; p. 428.
- Spoon, fork, or similar article. J. Clulee. No. 39,469; Sept. 1; Gaz. vol. 136; p. 200.
- Spoon, fork, or similar article. H. Hillborn. No. 39,635; Oct. 27; Gaz. vol. 136; p. 1977.
- Spoon, fork, or similar article. B. P. Jenks and F. R. Roberts, Jr. No. 39,673; Dec. 1; Gaz. vol. 137; p. 1217.
- Spoon, fork, or similar article. J. B. Wendt. No. 39,687; Dec. 15; Gaz. vol. 137; p. 1686.
- Spoon, Mustard-. S. H. M. Seib. No. 39,250; Apr. 7; Gaz. vol. 133; p. 1415.
- Spoon or similar article. W. A. Jameson. Nos. 39,012-15; Jan. 14; Gaz. vol. 132; pp. 446-7.
- Spoon, Souvenir-. C. J. Whellams and A. G. Pinkham. No. 39,440; Aug. 11; Gaz. vol. 135; p. 1345.
- Spoons, forks, and similar articles, Handle for. T. B. Lasher. No. 39,213; Mar. 24; Gaz. vol. 133; p. 971.
- Spoons, forks, and similar articles, Handle for. G. P. Ittig. No. 39,397; July 7; Gaz. vol. 135; p. 199.
- Spoons, forks, or similar articles, Handle for. G. C. Lunt. No. 39,038; Jan. 28; Gaz. vol. 132; p. 823.
- Spoons, forks, or similar articles, Handle for. G. P. Ittig. No. 39,050; Feb. 4; Gaz. vol. 132; p. 1046.
- Spoons, forks, or similar articles, Handle for. F. Habensack. No. 39,138; Feb. 18; Gaz. vol. 132; p. 1562.
- Spoons, forks, or similar articles, Handle for. W. C. Codman. No. 39,249; Apr. 7; Gaz. vol. 133; p. 1415.
- Spoons, forks, or similar articles, Handle for. J. E. Straker, Jr. No. 39,282; Apr. 28; Gaz. vol. 133; p. 2155.
- Spoons, forks, or similar articles, Handle for. G. Strohnaker. No. 39,370; June 23; Gaz. vol. 134; p. 2006.
- Spoons, forks, or similar articles, Handle for. I. G. Perry and F. Fulcher. No. 39,398; July 7; Gaz. vol. 135; p. 200.
- Spoons, forks, or similar articles, Handle for. W. C. Codman. No. 39,470; Sept. 1; Gaz. vol. 136; p. 201.
- Spoons, forks, or similar articles, Handle for. G. P. Ittig. No. 39,471; Sept. 1; Gaz. vol. 136; p. 201.
- Spoons, forks, or similar articles, Handle for. F. Habensack. No. 39,509; Sept. 8; Gaz. vol. 136; p. 414.
- Spoons, forks, or similar articles, Handle of. F. Habensack. No. 39,369; June 23; Gaz. vol. 134; p. 2006.
- Spoons, forks, or similar articles, Handle of. W. C. Codman. Nos. 39,361-2; June 30; Gaz. vol. 134; pp. 2224-5.
- Spoons or similar articles, Handle for. J. E. Straker, Jr. No. 39,472; Sept. 1; Gaz. vol. 136; p. 201.
- Stick-pin. J. L. Keilman. No. 39,135; Feb. 18; Gaz. vol. 132; p. 1561.
- Stick-pin. F. E. Mann. No. 39,300; May 12; Gaz. vol. 134; p. 495.
- Stone, Cut. E. G. H. Schenck. No. 39,632; Oct. 27; Gaz. vol. 136; p. 1976.
- Stove. G. M. Coke. No. 39,160; Feb. 25; Gaz. vol. 132; p. 1810.
- Stove. G. E. Pickup. Nos. 39,331-2; June 2; Gaz. vol. 134; p. 1283.
- Stove. H. G. Culler. No. 39,422; July 14; Gaz. vol. 135; p. 430.
- Stove. T. R. Kennedy and E. J. King. Nos. 39,423-4; July 14; Gaz. vol. 135; p. 430.
- Stove. D. T. Turney. No. 39,653; Oct. 27; Gaz. vol. 136; p. 1981.
- Stove. E. B. Colby. No. 39,595; Sept. 29; Gaz. vol. 136; p. 1048.
- Stove, Cooking-. J. S. Van Buren. Nos. 39,651-2; Oct. 27; Gaz. vol. 136; p. 1981.
- Stove, Heating-. W. Thompson and G. W. Cope. No. 38,990; Jan. 7; Gaz. vol. 132; p. 209.
- Stove, Heating-. J. P. Ouerbacher. No. 39,389; June 30; Gaz. vol. 134; p. 2226.
- Stove, Heating-. G. Alig. No. 39,650; Oct. 27; Gaz. vol. 136; p. 1980.
- Stove, Vapor-. G. E. Savage and E. A. Guterman. No. 39,574; Sept. 22; Gaz. vol. 136; p. 825.
- Sugar or confectionery tongs. L. Fritzsche. No. 39,445; Aug. 18; Gaz. vol. 135; p. 1566.
- Talking-machine cabinet. J. C. English. No. 39,017; Jan. 14; Gaz. vol. 132; p. 448.
- Tea-kettle stand and lamp. S. Sternau and C. Nelson. No. 39,119; Feb. 11; Gaz. vol. 132; p. 1295.
- Tea or coffee pots or similar articles, Body of. G. E. Ball. No. 39,510; Sept. 8; Gaz. vol. 136; p. 415.
- Telephone-cabinet. A. Larsson. No. 39,464; Aug. 25; Gaz. vol. 135; p. 1785.
- Telephone switch-frame, Automatic. E. E. Clement. No. 39,144; Feb. 18; Gaz. vol. 132; p. 1563.
- Thread-holder and pincushion. W. H. Simmons. No. 39,615; Sept. 8; Gaz. vol. 136; p. 415.
- Tile, Roofing-. S. A. Jones. No. 39,274; Apr. 21; Gaz. vol. 133; p. 1916.
- Tiling. A. A. Spadone. No. 39,019; Jan. 14; Gaz. vol. 132; p. 448.
- Tire, Wheel-. T. J. Mell. No. 39,575; Sept. 22; Gaz. vol. 136; p. 825.

Alphabetical list of designs—Continued.

- Towel-pin. C. Nelson and W. G. Barber. No. 39,408; July 7; Gaz. vol. 135; p. 201.
 Toy bank. J. H. Bigalow. No. 39,644; Oct. 27; Gaz. vol. 136; p. 1979.
 Toy bank. L. Krajewski. No. 39,660; Nov. 3; Gaz. vol. 137; p. 204.
 Toy cat used in playing the game of tip-cat. L. F. Ryan. No. 39,604; Oct. 6; Gaz. vol. 136; p. 1278.
 Tray, Glass-holding. O. Hebestreit. No. 39,557; Sept. 22; Gaz. vol. 136; p. 822.
 Tray or receptacle. F. E. Barker. No. 39,228; Mar. 31; Gaz. vol. 133; p. 1168.
 Trimming. F. M. Daniels. No. 39,147; Feb. 18; Gaz. vol. 132; p. 1564.
 Trimming. W. Helbig. No. 39,175; Mar. 3; Gaz. vol. 133; p. 209.
 Trimming. W. Helbig. No. 39,598; Sept. 29; Gaz. vol. 136; p. 1048.
 Tumbler. J. C. Haley. No. 39,399; July 7; Gaz. vol. 135; p. 200.
 Tumbler. P. Ebeling. No. 39,400; July 7; Gaz. vol. 135; p. 200.
 Type-font. S. M. Weatherly. Nos. 39,718-19; Dec. 22; Gaz. vol. 137; p. 1922.
 Type-font. S. C. Gaunt. Nos. 39,720-1; Dec. 22; Gaz. vol. 137; p. 1923.
 Type, Font of. T. C. Robinson. No. 39,029; Jan. 21; Gaz. vol. 132; p. 665.
 Type, Font of. W. A. Schraubstadter. No. 39,125; Feb. 11; Gaz. vol. 132; p. 1296.
 Type, Font of. P. Terrell. No. 39,238; Mar. 31; Gaz. vol. 133; p. 1169.
 Type, Font of. T. C. Robinson. Nos. 39,275-7; Apr. 21; Gaz. vol. 133; p. 1916.
 Type, Font of. S. C. Gaunt. No. 39,377; June 23; Gaz. vol. 134; p. 2008.
 Type, Font of. W. A. Schraubstadter. No. 39,411; July 7; Gaz. vol. 135; p. 202.
 Type, Font of. S. C. Gaunt. Nos. 39,429-31; July 21; Gaz. vol. 135; p. 650.
 Type, Font of. T. C. Robinson. Nos. 39,466-7; Aug. 25; Gaz. vol. 135; p. 1785.
 Type, Font of. S. C. Gaunt. No. 39,493; Sept. 1; Gaz. vol. 136; p. 205.
 Type, Font of printing-. H. W. Steiger. No. 39,146; Feb. 18; Gaz. vol. 132; p. 1563.
 Type, Font of printing-. M. F. Benton. Nos. 39,325-8; May 26; Gaz. vol. 134; pp. 1028-9.
 Vehicle-body. R. M. Lloyd. No. 39,018; Jan. 14; Gaz. vol. 132; p. 448.
 Vehicle-body. H. P. Maxim. No. 39,041; Jan. 28; Gaz. vol. 132; p. 824.
 Vehicle-body. J. C. Kaiser. No. 39,266; Apr. 14; Gaz. vol. 133; p. 1655.
 Vehicle-body. R. Huff. No. 39,488; Sept. 1; Gaz. vol. 136; p. 204.
 Vehicle-seat. W. H. McIntyre. No. 39,594; Sept. 29; Gaz. vol. 136; p. 1047.
 Vehicles, Combined handle and robe-holder for. H. Thomasma and A. H. Blanchard. No. 39,171; Mar. 3; Gaz. vol. 133; p. 209.
 Vehicles, Radiator-frame for motor-. R. Huff. No. 39,289; Apr. 28; Gaz. vol. 133; p. 2157.
 Vending-machine case. E. S. Hagen and G. B. Townsend. No. 39,158; Feb. 25; Gaz. vol. 132; p. 1810.
 Vending-machine casing. B. M. Davis. No. 39,257; Apr. 7; Gaz. vol. 133; p. 1416.
 Vending-machine casing. A. Stewart. No. 39,487; Sept. 1; Gaz. vol. 136; p. 204.
 Vending-machine casing. B. M. Davis. Nos. 39,527-8; Sept. 8; Gaz. vol. 136; p. 418.
 Vending-machine casing. W. C. Briggs. No. 39,548; Sept. 15; Gaz. vol. 136; p. 639.
 Ventilator-cap. J. B. Martz. No. 39,321; May 26; Gaz. vol. 134; p. 1028.
 Vessel. J. J. Heedy. No. 39,156; Feb. 25; Gaz. vol. 132; p. 1809.
 Wall-cage. H. L. Jones. No. 39,264; Apr. 14; Gaz. vol. 133; p. 1655.
 Wall-covering. J. N. Wiggin and R. W. Cornelison. No. 39,220; Mar. 24; Gaz. vol. 133; p. 972.
 Watch-charm. J. W. Cherry. No. 39,317; May 26; Gaz. vol. 134; p. 1027.
 Watch-charm or similar article. M. J. Wohl. No. 39,616; Oct. 13; Gaz. vol. 136; p. 1505.
 Watch-fob. R. J. Stokes. No. 39,414; July 14; Gaz. vol. 135; p. 428.
 Watch-fob. R. J. Stokes. No. 39,428; July 21; Gaz. vol. 135; p. 650.
 Watch-fob. C. H. Bunting. Nos. 39,461-2; Aug. 25; Gaz. vol. 135; p. 1784.
 Water-closet-cistern casing. R. E. Crane. No. 39,322; May 26; Gaz. vol. 134; p. 1028.
 Water-heater. W. J. Finn. No. 39,489; Sept. 1; Gaz. vol. 136; p. 204.
 Whistle or siren, Mechanical. J. Gordon, Jr. No. 39,056; Feb. 4; Gaz. vol. 132; p. 1047.
 Window-sill. M. P. McArdle. No. 39,205; Mar. 17; Gaz. vol. 133; p. 739.
 Work-stand. L. J. Heffron. No. 39,684; Dec. 8; Gaz. vol. 137; p. 1464.

ALPHABETICAL LIST OF TRADE-MARKS.

- Abrasive and polishing materials, tools, implements, &c. Norton Company. No. 67,544; Feb. 11; Gaz. vol. 132; p. 1313.
- Abrasive material, Certain. Matchless Metal Polish Co. No. 69,831; July 7; Gaz. vol. 135; p. 215.
- Abrasive materials, Certain. Marshall-Wells Hardware Co. No. 71,386; Nov. 24; Gaz. vol. 137; p. 971.
- Abrasive materials and sharpening-stones, Certain. Simmons Hardware Company. No. 70,180; Aug. 11; Gaz. vol. 135; p. 1357.
- Abrasive polish. A. Spiegel Co. No. 69,115; May 19; Gaz. vol. 134; p. 771.
- Absinthe. J. Pernod. No. 67,639; Feb. 11; Gaz. vol. 132; p. 1315.
- Absinthe. Veil-Picard & Cie. No. 71,631; Dec. 8; Gaz. vol. 137; p. 1477.
- Absorbent compounds, Certain. Roykross Chemical Company. No. 71,361; Nov. 17; Gaz. vol. 137; p. 729.
- Absorbent cotton and gauze, and silk and catgut ligatures. Lister Surgical Company. No. 70,693; Sept. 22; Gaz. vol. 136; p. 844.
- Absorbent linen and gauze. Oxford Linen Mills. No. 68,554; Apr. 14; Gaz. vol. 133; p. 1675.
- Acid compounds for laundry sours. M. D. Slimmer & Company. No. 67,014; Jan. 14; Gaz. vol. 132; p. 461.
- Acid preparations for baths, Carbonic-. Hygienic Company. No. 70,242; Aug. 11; Gaz. vol. 135; p. 1358.
- Agricultural machinery. Foos Manufacturing Company. No. 70,728; Sept. 29; Gaz. vol. 136; p. 1063.
- Agricultural machinery, Certain. Rock Island Plow Co. No. 68,401; Apr. 7; Gaz. vol. 133; p. 1429.
- Agricultural machinery, Certain. Bateman Manufacturing Company. No. 68,826; Apr. 28; Gaz. vol. 133; p. 2176.
- Alarm-whistles. Sireno Company. No. 70,228; Aug. 11; Gaz. vol. 135; p. 1358.
- Albumen and albuminous food compounds. J. A. Wülfing. No. 67,506; Feb. 4; Gaz. vol. 132; p. 1068.
- Alcohol-burners. Thos. W. Houchin Co. No. 68,937; May 5; Gaz. vol. 134; p. 253.
- Alcohol, Denatured. G. L. Marion Mfg. Co. No. 68,897; May 5; Gaz. vol. 134; p. 252.
- Ale. W. A. Ross & Brother. No. 67,522; Feb. 4; Gaz. vol. 132; p. 1068.
- Ale. William Younger & Co. No. 67,661; Feb. 11; Gaz. vol. 132; p. 1314.
- Ale. Edward & John Burke. No. 68,645; Apr. 21; Gaz. vol. 133; p. 1930.
- Ale. Springfield Breweries Company. No. 68,756; Apr. 28; Gaz. vol. 133; p. 217.
- Ale. H. & G. Simonds Limited. No. 69,996; July 21; Gaz. vol. 135; p. 659.
- Ale and mineral water, Ginger-. Waukesha Arcadian Co. No. 68,510; Apr. 14; Gaz. vol. 133; p. 1674.
- Ale and sarsaparilla, Ginger-. Whann Lithia Springs Co. No. 67,348; Jan. 28; Gaz. vol. 132; p. 838.
- Ale, beer, and porter. Consumers Brewing Company. No. 69,616; June 23; Gaz. vol. 134; p. 2024.
- Ale, beer, and porter. Consumers Brewing Company. No. 70,220; Aug. 11; Gaz. vol. 135; p. 1358.
- Ale, beer, half-and-half, porter, &c. West End Brewing Co. No. 68,880; May 5; Gaz. vol. 134; p. 251.
- Ale, beer, porter, and stout. Yonkers Brewery. No. 70,172; Aug. 4; Gaz. vol. 135; p. 1118.
- Ale, beer, porter, and stout. Yonkers Brewery. No. 70,499; Sept. 8; Gaz. vol. 136; p. 433.
- Ale, beer, porter, stout, &c. Yonkers Brewery. No. 69,640; June 23; Gaz. vol. 134; p. 2025.
- Ale, Bottled ginger-. Virginia Bottling Co. No. 70,634; Sept. 15; Gaz. vol. 136; p. 655.
- Ale, Ginger-. Blanke-Baer Chemical Co. No. 67,222; Jan. 21; Gaz. vol. 132; p. 675.
- Ale, Ginger-. W. L. Dellheim & Co. No. 68,722; Apr. 28; Gaz. vol. 133; p. 2173.
- Ale, Ginger-. W. T. Wagner's Sons. No. 68,737; Apr. 28; Gaz. vol. 133; p. 2174.
- Ale, Ginger-. Red Rock Spring Water Co. No. 69,820; July 7; Gaz. vol. 135; p. 214.
- Ale, Ginger-. Western Coca Cola Bottling Company. No. 71,695; Dec. 8; Gaz. vol. 137; p. 1479.
- Ale, porter, and brown stout. Robert Smith Ale Brewing Company. No. 71,213; Nov. 10; Gaz. vol. 137; p. 470.
- Ale, porter, lager-beer, and stout. Beadleston & Woerz. No. 67,351; Jan. 28; Gaz. vol. 132; p. 838.
- Alfalfa horse feed. Commonwealth Feed Mills Co. No. 71,804; Dec. 15; Gaz. vol. 137; p. 1705.
- Alimentary preparation for infants and invalids. Chassaing & Cie. No. 68,293; Mar. 24; Gaz. vol. 133; p. 987.
- Alloy, Metal. Smith & Egge Mfg. Co. No. 67,622; Feb. 11; Gaz. vol. 132; p. 1315.
- Alloys and alloying metals. E. F. Price. No. 69,348; June 9; Gaz. vol. 134; p. 1557.
- Alloys, Antifriction. Manganese Bronze & Brass Company. No. 69,044; May 19; Gaz. vol. 134; p. 769.
- Alloys, Metallic. Manganese Bronze & Brass Company. No. 69,043; May 19; Gaz. vol. 134; p. 769.
- Alloys, Metallic. Manganese Bronze & Brass Company. No. 69,067; May 19; Gaz. vol. 134; p. 770.
- Almond rings. G. Boerner. No. 69,022; May 12; Gaz. vol. 134; p. 511.
- Almonds, Shelled. Habicht, Braun & Co. Nos. 66,960-5; Jan. 7; Gaz. vol. 132; p. 227.
- Alterative. J. A. Seitz. No. 70,451; Sept. 1; Gaz. vol. 136; p. 221.
- Ammonia. Sawyer Crystal Blue Company. No. 69,737; June 30; Gaz. vol. 134; p. 2241.
- Ammonia preparations. G. F. Sutton Sons & Co. No. 68,087; Mar. 10; Gaz. vol. 133; p. 507.
- Ammunition. Peters Cartridge Company. Nos. 68,207-10; Mar. 17; Gaz. vol. 133; p. 757.
- Amusement devices. J. P. Staderman. No. 67,144; Jan. 21; Gaz. vol. 132; p. 673.
- Anchovies. Aktiebolaget Sveriges Förenade Konservfabriker. No. 68,130; Mar. 10; Gaz. vol. 133; p. 508.
- Anchovies and fish preserves. Aktiebolaget Sveriges Förenade Konservfabriker. No. 68,532; Apr. 14; Gaz. vol. 133; p. 1674.
- Anchovies, tunny, sardines, &c. P. Pastene & Co. No. 67,272; Jan. 28; Gaz. vol. 132; p. 836.
- Antipyretic and analgesic medical preparation. Etna Chemical Company. No. 66,903; Jan. 7; Gaz. vol. 132; p. 225.
- Antiseptic and disinfectant. Lamar & Rankin Drug Co. No. 69,392; June 9; Gaz. vol. 134; p. 1559.
- Antiseptic and disinfectant preparation. Valley City Pharmacal Co. No. 70,616; Sept. 15; Gaz. vol. 136; p. 655.
- Antiseptic compounds. Hance Bros. & White. No. 70,103; July 28; Gaz. vol. 135; p. 891.
- Antiseptic cream for wounds, &c. N. M. Hoon. No. 69,211; May 26; Gaz. vol. 134; p. 1046.
- Antiseptic dusting-powder. Sharp & Dohme. No. 70,719; Sept. 29; Gaz. vol. 136; p. 1063.
- Antiseptic emollient. Sharp & Dohme. No. 70,718; Sept. 29; Gaz. vol. 136; p. 1063.
- Antiseptic foot-powder. Bell-Wart Manufacturing Company. No. 67,202; Jan. 21; Gaz. vol. 132; p. 675.
- Antiseptic, Perfumed. L. Féret. No. 68,217; Mar. 17; Gaz. vol. 133; p. 757.
- Antiseptic powders. C. V. Cross. No. 67,289; Jan. 28; Gaz. vol. 132; p. 836.
- Antiseptic powders for external use. O. F. Schmid Chemical Company. No. 71,627; Dec. 8; Gaz. vol. 137; p. 1477.
- Antiseptic preparation. Aktiebolaget Barnängens Tekniska Fabrik. No. 70,711; Sept. 29; Gaz. vol. 136; p. 1063.
- Antiseptic preparation for the skin. Sharp & Dohme. No. 70,452; Sept. 1; Gaz. vol. 136; p. 222.
- Antiseptic preparations. C. Bischoff & Co. No. 69,955; July 21; Gaz. vol. 135; p. 658.
- Antiseptic preservative compound. C. S. McKinney. No. 69,266; June 2; Gaz. vol. 134; p. 1293.
- Antiseptic silver salts for certain diseases. Chemische Fabrik von Heyden Aktien-Gesellschaft. No. 66,947; Jan. 7; Gaz. vol. 132; p. 226.
- Antiseptic solution. Sharp & Dohme. No. 67,300; Jan. 28; Gaz. vol. 132; p. 837.
- Antiseptic solutions, Alkaline. Rhinalgen Company. No. 69,751; June 30; Gaz. vol. 134; p. 2241.
- Antiseptic solutions and compounds. Tripenta Chemical Co. No. 69,953; July 21; Gaz. vol. 135; p. 658.
- Antiseptic wash. J. H. Leonard. No. 67,693; Feb. 18; Gaz. vol. 132; p. 1579.
- Antiseptics. Barnes & Hille. No. 69,328; June 9; Gaz. vol. 134; p. 1557.
- Antiseptics. Woronoco Chemical Company. No. 69,754; June 30; Gaz. vol. 134; p. 2241.
- Antiseptics and germicides. W. S. Hiatt & Company. No. 69,959; July 21; Gaz. vol. 135; p. 658.
- Antiseptics and germicides, Certain. H. B. Claflin Company. No. 67,295; Jan. 28; Gaz. vol. 132; p. 837.
- Antitoxic ferments and remedies. R. O. Eastman. No. 69,728; June 30; Gaz. vol. 134; p. 2241.
- Anvils. H. Fisher. No. 71,049; Oct. 27; Gaz. vol. 136; p. 1996.
- Aprons, Cloth. Chic Apron Company. No. 67,109; Jan. 14; Gaz. vol. 132; p. 463.
- Asbestos. J. W. Roberts, Limited. No. 70,939; Oct. 20; Gaz. vol. 136; p. 1763.
- Asphalt for road-making and roofing. Sicilian Asphalt Paving Co. No. 70,675; Sept. 22; Gaz. vol. 136; p. 844.
- Asphalt-oil. Good Roads Imp. Co. No. 66,984; Jan. 7; Gaz. vol. 132; p. 227.
- Asthma, catarrh, bronchitis, hay-fever, and colds, Remedies for. Peck & Velsor. No. 71,212; Nov. 10; Gaz. vol. 137; p. 470.
- Astringents for external and internal use. Ris Chemical Co. No. 69,419; June 9; Gaz. vol. 134; p. 1559.
- Atomizers, Air-pump. W. K. Jahm. No. 70,930; Oct. 20; Gaz. vol. 136; p. 1763.
- Atomizing apparatus for medicinal use. R. L. Benson. No. 70,785; Oct. 6; Gaz. vol. 136; p. 1293.

Alphabetical list of trade-marks—Continued.

- Auger-bits. Norvell-Shapleigh Hardware Company. No. 67,791; Feb. 18; Gaz. vol. 132; p. 1581.
 Augers and bits. Russell Jennings Mfg. Co. No. 69,448; June 16; Gaz. vol. 134; p. 1797.
 Augers, Mining-. A. C. Poole Auger Co. No. 69,174; May 26; Gaz. vol. 134; p. 1045.
 Automobile, carriage, and wagon springs. Supplementary Spiral Spring Company. No. 68,825; Apr. 28; Gaz. vol. 133; p. 2176.
 Automobile-springs. Spring Perch Company. No. 69,004; May 12; Gaz. vol. 134; p. 510.
 Automobiles. Viqueot Company. No. 67,623; Feb. 11; Gaz. vol. 132; p. 1315.
 Automobiles. Lansden Company. No. 69,277; June 2; Gaz. vol. 134; p. 1293.
 Automobiles. V. Bendix. No. 69,827; July 7; Gaz. vol. 135; p. 214.
 Automobiles. J. M. Root & Son. No. 70,057; July 28; Gaz. vol. 135; p. 889.
 Automobiles. Rockford Automobile and Engine Co. No. 70,140; Aug. 4; Gaz. vol. 135; p. 1117.
 Automobiles. Oesterreichische Daimler-Motoren-Gesellschaft mit beschränkter Haftung. No. 70,779; Sept. 29; Gaz. vol. 136; p. 1065.
 Auls, Sewing-. C. A. Myers. No. 71,856; Dec. 15; Gaz. vol. 137; p. 1707.
 Axes. Warren Axe and Tool Company. No. 68,487; Apr. 14; Gaz. vol. 133; p. 1673.
 Axes. J. H. Mann. No. 70,306; Aug. 18; Gaz. vol. 135; p. 1578.
 Axes. Warren Axe and Tool Company. No. 70,454; Sept. 1; Gaz. vol. 136; p. 222.
 Axes. Louisville Axe & Tool Company. No. 71,068; Oct. 27; Gaz. vol. 136; p. 1996.
 Axes. Louisville Axe and Tool Co. No. 71,584; Dec. 1; Gaz. vol. 137; p. 1233.
 Axes, adzes, hay-knives, &c. J. B. Hasenclever & Sohne. Nos. 70,345-6; Aug. 25; Gaz. vol. 135; p. 1797.
 Axes, hatchets, cane-knives, and razors. Norvell-Shapleigh Hardware Company. No. 67,793; Feb. 18; Gaz. vol. 132; p. 1581.
 Axles and springs, Vehicle. Sheldon Axle Company. No. 70,003; July 21; Gaz. vol. 135; p. 659.
 Axles and springs, Vehicle. Sheldon Axle Company. Nos. 70,028-9; July 21; Gaz. vol. 135; p. 659.
 Bacon. Kingan and Company. No. 71,667; Dec. 8; Gaz. vol. 137; p. 1478.
 Bacteriological preparations. Bakteriologisk Laboratorium, Neumann & Co., i Aalborg. No. 69,723; June 30; Gaz. vol. 134; p. 2240.
 Bags and purses, Hand-. Johnson, Hayward & Piper. No. 70,106; July 28; Gaz. vol. 135; p. 891.
 Bags, Hand-. T. A. Sutton. No. 68,280; Mar. 17; Gaz. vol. 133; p. 759.
 Bait-hooks, gut leaders, and trout-fies. S. Howarth. No. 69,344; June 9; Gaz. vol. 134; p. 1557.
 Baits, Fluted spoon. G. M. Skinner. No. 69,003; May 12; Gaz. vol. 134; p. 510.
 Baking-powder. Bennett Company. No. 67,009; Jan. 14; Gaz. vol. 132; p. 461.
 Baking-powder. Independent Baking Powder Co. No. 68,086; Mar. 10; Gaz. vol. 133; p. 507.
 Baking-powder. J. C. Grant Chemical Company. No. 68,908; May 5; Gaz. vol. 134; p. 252.
 Baking-powder. G. H. Ballou Company. No. 69,225; May 26; Gaz. vol. 134; p. 1046.
 Baking-powder. H. F. Lappenkors. No. 70,149; Aug. 4; Gaz. vol. 135; p. 1118.
 Baking-powder. Coffeyville Mercantile Co. No. 70,219; Aug. 11; Gaz. vol. 135; p. 1358.
 Baking-powder. Sterling Supply Co. No. 70,402; Aug. 25; Gaz. vol. 135; p. 1799.
 Baking-powders. G. F. Upham. No. 71,038; Oct. 27; Gaz. vol. 136; p. 1996.
 Balances and scales. Torsion Balance Company. No. 69,102; May 19; Gaz. vol. 134; p. 771.
 Balls, Base-. A. J. Reach Company. No. 67,015; Jan. 14; Gaz. vol. 132; p. 461.
 Balls, Golf-. Nicotite Golf Ball Company. No. 69,310; June 2; Gaz. vol. 134; p. 1294.
 Balls, Tennis-. Geo. Borgfeldt & Co. No. 68,359; Mar. 31; Gaz. vol. 133; p. 1184.
 Balm, Toilet. A. S. Black. No. 67,131; Jan. 21; Gaz. vol. 132; p. 673.
 Bareses. E. L. Waldo. No. 68,895; May 5; Gaz. vol. 134; p. 252.
 Bath-room and lavatory fixtures. Novelty Manufacturing Company. No. 69,188; May 26; Gaz. vol. 134; p. 1045.
 Bath-tubs, lavatories, and basins, Enameled. H. Mueller Manufacturing Company. No. 70,303; Aug. 18; Gaz. vol. 135; p. 1578.
 Bath-tubs, lavatories, and closets. Standard Sanitary Mfg. Co. No. 71,823; Dec. 15; Gaz. vol. 137; p. 1706.
 Batteries, Dry. Electric Appliance Company. No. 68,819; Apr. 28; Gaz. vol. 133; p. 2176.
 Batteries, Dry. American Electric Telephone Company. No. 70,385; Aug. 25; Gaz. vol. 135; p. 1798.
 Batteries, telephones, and insulated tape, Dry. Hibbard, Spencer, Bartlett & Company. No. 71,685; Dec. 8; Gaz. vol. 137; p. 1479.
 Bearings and parts thereof, Ball-. Deutsche Waffen-und Munitionsfabriken. No. 69,337; June 9; Gaz. vol. 134; p. 1557.
 Bed-comforts. Carson, Pirie, Scott & Co. No. 69,877; July 14; Gaz. vol. 135; p. 446.
 Bed-springs. Fort Pitt Bedding Company. No. 69,480; June 16; Gaz. vol. 134; p. 1798.
 Beds, Iron. P. D. Baker. No. 71,324; Nov. 17; Gaz. vol. 137; p. 728.
 Beds, Spring-. M. A. Hunt & Co. No. 67,598; Feb. 11; Gaz. vol. 132; p. 1314.
 Bedsteads, Metal. F. W. Adams. No. 70,781; Oct. 6; Gaz. vol. 136; p. 1293.
 Beer. New South Brewery & Ice Co. No. 67,191; Jan. 21; Gaz. vol. 132; p. 674.
 Beer. Standard Brewery. No. 67,654; Feb. 11; Gaz. vol. 132; p. 1316.
 Beer. Schwenk Barth Brewing Company. No. 67,701; Feb. 18; Gaz. vol. 132; p. 1579.
 Beer. American Brewing Co. No. 68,054; Mar. 3; Gaz. vol. 133; p. 225.
 Beer. Stark-Tuscarawas Breweries Co. No. 68,078; Mar. 3; Gaz. vol. 133; p. 226.
 Beer. Mathie Brewing Company. No. 68,163; Mar. 10; Gaz. vol. 133; p. 509.
 Beer. Minneapolis Brewing Company. No. 68,247; Mar. 17; Gaz. vol. 133; p. 758.
 Beer. Peoples Brewing Co. No. 68,428; Apr. 7; Gaz. vol. 133; p. 1430.
 Beer. F. W. Cook Brewing Co. No. 68,646; Apr. 21; Gaz. vol. 133; p. 1930.
 Beer. Smith Brewing Company. No. 68,677; Apr. 21; Gaz. vol. 133; p. 1931.
 Beer. J. Buehler. No. 68,740; Apr. 28; Gaz. vol. 133; p. 2174.
 Beer. Bienville Brewery. No. 68,869; May 5; Gaz. vol. 134; p. 251.
 Beer. Freiherrlich von Tucher'sche Brauerei, Aktiengesellschaft. No. 69,010; May 12; Gaz. vol. 134; p. 511.
 Beer. H. Koehler & Co. No. 69,012; May 12; Gaz. vol. 134; p. 511.
 Beer. George Wiedemann Brewing Co. No. 69,095; May 19; Gaz. vol. 134; p. 770.
 Beer. A. Schreiber Brewing Co. No. 69,271; June 2; Gaz. vol. 134; p. 1293.
 Beer. F. W. Cook Brewing Co. No. 69,359; June 9; Gaz. vol. 134; p. 1558.
 Beer. San Francisco Breweries. No. 69,364; June 9; Gaz. vol. 134; p. 1558.
 Beer. Storz Brewing Co. No. 69,620; June 23; Gaz. vol. 134; p. 2025.
 Beer. Kőbányai Polgári Sertőző Részvény-Társaság. Nos. 69,630-1; June 23; Gaz. vol. 134; p. 2025.
 Beer. Yonkers Brewery. No. 69,641; June 23; Gaz. vol. 134; p. 2025.
 Beer. Stark-Tuscarawas Breweries Co. No. 69,952; July 21; Gaz. vol. 135; p. 657.
 Beer. Yonkers Brewery. No. 70,498; Sept. 8; Gaz. vol. 136; p. 433.
 Beer. Piel Bro's. No. 70,630; Sept. 15; Gaz. vol. 136; p. 653.
 Beer. Du Bois Brewing Co. No. 70,987; Oct. 20; Gaz. vol. 136; p. 1764.
 Beer. M. B. Foster & Sons. No. 71,210; Nov. 10; Gaz. vol. 137; p. 470.
 Beer. Aktienbrauerei zum Löwenbräu in München. No. 71,676; Dec. 8; Gaz. vol. 137; p. 1479.
 Beer. Dayton Breweries Company. No. 71,679; Dec. 8; Gaz. vol. 137; p. 1479.
 Beer. Cleveland & Sandusky Brewing Company. No. 71,803; Dec. 15; Gaz. vol. 137; p. 1705.
 Beer. M. B. Foster & Sons. No. 72,027; Dec. 29; Gaz. vol. 137; p. 2214.
 Beer. M. B. Foster & Sons. No. 72,048; Dec. 29; Gaz. vol. 137; p. 2215.
 Beer, ale, and porter. Bachmann-Bechtel Brewing Company. No. 70,905; Oct. 13; Gaz. vol. 136; p. 1528.
 Beer, ale, and porter, Lager-. International Brewing Company. No. 70,990; Oct. 20; Gaz. vol. 136; p. 1765.
 Beer, ale, porter, and stout. Beadleston & Woerz. Nos. 67,662-3; Feb. 11; Gaz. vol. 132; p. 1316.
 Beer, ale, porter, and stout. Beadleston & Woerz. No. 67,946; Feb. 25; Gaz. vol. 132; p. 1933.
 Beer and ale. H. C. Henking Company. No. 69,887; July 14; Gaz. vol. 135; p. 446.
 Beer and ale. W. Albrecht. No. 71,368; Nov. 24; Gaz. vol. 137; p. 971.
 Beer, Birch-. Augusta Brewing Co. No. 69,007; May 12; Gaz. vol. 134; p. 511.
 Beer, brown stout, porter, and malt extract. Stroh Brewery Company. No. 71,606; Dec. 1; Gaz. vol. 137; p. 1234.
 Beer, Carbonated. C. Neunsinger. No. 67,914; Feb. 25; Gaz. vol. 132; p. 1832.
 Beer extract, Root-. Wise Mfg. Co. No. 71,696; Dec. 8; Gaz. vol. 137; p. 1479.
 Beer, Lager-. Enterprise Brewing Co. Nos. 68,418-19; Apr. 7; Gaz. vol. 133; p. 1430.
 Beer, Non-intoxicating. Fargo Bottling Works Co. No. 67,097; Jan. 14; Gaz. vol. 132; p. 463.
 Beer, Non-intoxicating. Sioux City Brewing Company. No. 71,071; Oct. 27; Gaz. vol. 136; p. 1996.
 Beer, porter, and ale. Mutual Union Brewing Company. No. 71,597; Dec. 1; Gaz. vol. 137; p. 1234.
 Beer-racking apparatus. Charles Zoller Co. No. 69,437; June 16; Gaz. vol. 134; p. 1797.
 Beer, stout, and malt extract. Stroh Brewing Company. No. 70,922; Oct. 13; Gaz. vol. 136; p. 1529.
 Beers and ales. Leonhard Michel Brewing Company. No. 69,708; June 30; Gaz. vol. 134; p. 2240.
 Beeswax. E. A. Bromund. Nos. 68,581-3; Apr. 21; Gaz. vol. 133; p. 1929.

Alphabetical list of trade-marks—Continued.

- Beeswax. E. A. Bromund. No. 71,618; Dec. 8; Gaz. vol. 137; p. 1477.
- Belting and lacing for belting, Leather. Bay State Belting Co. No. 69,021; May 12; Gaz. vol. 134; p. 511.
- Belting, Certain. B. F. Goodrich Company. No. 67,066; Jan. 14; Gaz. vol. 132; p. 462.
- Belting, hose, and packing. Corbett-Taylor Co. No. 70,425; Sept. 1; Gaz. vol. 136; p. 221.
- Belting, Leather. Detroit Oak Belting Co. No. 67,177; Jan. 21; Gaz. vol. 132; p. 674.
- Belting, Leather. Detroit Oak Belting Co. No. 67,331; Jan. 28; Gaz. vol. 132; p. 837.
- Belting, Leather. Charles Munson Belting Co. No. 67,329; Jan. 28; Gaz. vol. 132; p. 837.
- Belting, Leather. Chicago Belting Company. No. 67,825; Feb. 18; Gaz. vol. 132; p. 1582.
- Belting, Leather. Graton and Knight Manufacturing Company. No. 69,305; June 2; Gaz. vol. 134; p. 1294.
- Belting, Leather. Laminated Belting Company. No. 69,830; July 7; Gaz. vol. 135; p. 215.
- Belting, Leather. Detroit Oak Belting Co. No. 72,038; Dec. 29; Gaz. vol. 137; p. 2214.
- Belting, Machine. Mount Vernon Belting Company. No. 67,649; Feb. 11; Gaz. vol. 132; p. 1316.
- Belting, Machine. Franklin Cotton Mill Co. No. 68,452; Apr. 7; Gaz. vol. 133; p. 1431.
- Belting, Machinery. New Jersey Car Spring & Rubber Co. No. 71,476; Nov. 24; Gaz. vol. 137; p. 974.
- Beltings, hose, and packings. E. C. Atkins & Company. Nos. 71,464-5; Nov. 24; Gaz. vol. 137; p. 974.
- Belts and back combs, Ladies'. Morris, Mann & Reilly. No. 72,005; Dec. 29; Gaz. vol. 137; p. 2213.
- Belts, girdles, and sashes. A. Nahass. No. 67,188; Jan. 21; Gaz. vol. 132; p. 674.
- Belts, Ladies'. Morris, Mann & Reilly. Nos. 69,522-3; June 16; Gaz. vol. 134; p. 1799.
- Belts, Ladies'. S. Isaac. No. 70,957; Oct. 20; Gaz. vol. 136; p. 1764.
- Belts, Machinery. Acme Belting Company. No. 67,428; Feb. 4; Gaz. vol. 132; p. 1066.
- Belts, Women's leather. R. H. Macy & Co. No. 70,417; Aug. 25; Gaz. vol. 135; p. 1799.
- Beverage. Black Drug and Chemical Company. No. 68,414; Apr. 7; Gaz. vol. 133; p. 1430.
- Beverage, Alcoholic. E. González P. No. 68,160; Mar. 10; Gaz. vol. 133; p. 509.
- Beverage and concentrated syrup for making same, Non-alcoholic carbonated. J. S. Parr. No. 70,166; Aug. 4; Gaz. vol. 135; p. 1118.
- Beverage and syrup for making the same, Carbonated grape. B. F. Smith. No. 71,913; Dec. 22; Gaz. vol. 137; p. 1934.
- Beverage and syrup for same. B. F. Smith. No. 68,508; Apr. 14; Gaz. vol. 133; p. 1674.
- Beverage and syrup therefor, Non-alcoholic carbonated. E. M. Ellis. No. 71,576; Dec. 1; Gaz. vol. 137; p. 1233.
- Beverage, Carbonated. H. Mauss. Nos. 69,045-6; May 19; Gaz. vol. 134; p. 769.
- Beverage, Carbonated. H. H. Morse. No. 69,468; June 16; Gaz. vol. 134; p. 1798.
- Beverage, Malt. Evansville Brewing Association. No. 70,727; Sept. 29; Gaz. vol. 136; p. 1063.
- Beverage, Malt. Peter Schoenhofen Brewing Company. Nos. 71,166-7; Nov. 3; Gaz. vol. 137; p. 225.
- Beverage, Non-alcoholic carbonated ginger. D. J. Bass. No. 71,956; Dec. 22; Gaz. vol. 137; p. 1935.
- Beverage, Non-intoxicating carbonated. Augusta Brewing Co. No. 69,351; June 9; Gaz. vol. 134; p. 1557.
- Beverage, Non-intoxicating malt. Lauritzen Malt Co. Nos. 71,686-7; Dec. 8; Gaz. vol. 137; p. 1479.
- Beverages and syrups for the same. H. Wheaton & Sons. No. 67,658; Feb. 11; Gaz. vol. 132; p. 1316.
- Beverages, Carbonated. J. C. Aschenbeck. No. 69,054; May 19; Gaz. vol. 134; p. 769.
- Beverages, Carbonated. D. Bernhard & Co. No. 69,058; May 19; Gaz. vol. 134; p. 769.
- Beverages, Cereal preparation for making. Postum Cereal Co. No. 71,262; Nov. 10; Gaz. vol. 137; p. 471.
- Beverages, Carbonated. Valdosta Bottling Works. No. 69,070; May 19; Gaz. vol. 134; p. 770.
- Beverages, Carbonated. Sumter Bottling Works. No. 70,633; Sept. 15; Gaz. vol. 136; p. 655.
- Beverages, Certain. J. Costello. No. 71,657; Dec. 8; Gaz. vol. 137; p. 1478.
- Beverages, Certain. Sheboygan Mineral Water Company. No. 71,822; Dec. 15; Gaz. vol. 137; p. 1706.
- Beverages, Certain alcoholic. R. Exner. No. 71,980; Dec. 22; Gaz. vol. 137; p. 1936.
- Beverages, Certain. Ohio Mineral Water Co. No. 72,049; Dec. 29; Gaz. vol. 137; p. 2215.
- Beverages, Fruit. J. C. Raymond. No. 71,557; Dec. 1; Gaz. vol. 137; p. 1232.
- Beverages, Malt. Acme Brewing Company. No. 69,221; May 26; Gaz. vol. 134; p. 1046.
- Beverages, Preparations for carbonated. E. Post. No. 70,026; July 21; Gaz. vol. 135; p. 659.
- Bib and faucet handles, Self-closing. H. Mueller Manufacturing Company. No. 71,492; Nov. 24; Gaz. vol. 137; p. 975.
- Bibs and valves. T. Savill & Sons. No. 70,225; Aug. 11; Gaz. vol. 135; p. 1358.
- Bicycles and motor-cycles. G. M. Hendee. No. 67,699; Feb. 18; Gaz. vol. 132; p. 1579.
- Bicycles, Motor. Excelsior Supply Company. No. 71,524; Dec. 1; Gaz. vol. 137; p. 1231.
- Billiard-chalk. W. A. Spinks & Co. No. 70,308; Aug. 18; Gaz. vol. 135; p. 1578.
- Binders, Loose-leaf. C. E. Sheppard. No. 67,924; Feb. 25; Gaz. vol. 132; p. 1833.
- Binders, Loose-leaf. J. F. Fitzpatrick. No. 68,567; Apr. 14; Gaz. vol. 133; p. 1675.
- Binders, Temporary. A. L. Shipman's Sons. No. 68,276; Mar. 17; Gaz. vol. 133; p. 759.
- Bird foods. A. Cugley. No. 71,635; Dec. 8; Gaz. vol. 137; p. 1477.
- Bird seed and food. Brookman Manufacturing Company. No. 68,226; Mar. 17; Gaz. vol. 133; p. 757.
- Birds, Canary. Cugley & Mullen. No. 68,290; Mar. 24; Gaz. vol. 133; p. 987.
- Biscuit and crackers. National Biscuit Company. Nos. 71,785-7; Dec. 15; Gaz. vol. 137; p. 1705.
- Biscuits. Peek, Frean & Co. No. 71,902; Dec. 22; Gaz. vol. 137; p. 1934.
- Biscuits. National Biscuit Company. No. 71,969; Dec. 22; Gaz. vol. 137; p. 1935.
- Biscuits and crackers. New England Biscuit Co. No. 69,240; May 26; Gaz. vol. 134; p. 1045.
- Biscuits, Coconut. F. B. Washburn & Co. No. 71,291; Nov. 17; Gaz. vol. 137; p. 727.
- Biscuits, crackers, and bread. Hess Biscuit and Bread Co. No. 70,730; Sept. 29; Gaz. vol. 136; p. 1064.
- Biscuits, crackers, and cakes. Marjehoff Company. No. 67,439; Feb. 4; Gaz. vol. 132; p. 1066.
- Biscuits, crackers, cakes, and bread. Iowa Biscuit Co. No. 68,233; Mar. 17; Gaz. vol. 133; p. 758.
- Biscuits or crackers. J. S. Ivins' Son. No. 70,732; Sept. 29; Gaz. vol. 136; p. 1064.
- Bits and augers. Ford Auger Bit Company. No. 69,994; July 21; Gaz. vol. 135; p. 659.
- Bitters. John Barth Company. No. 67,617; Feb. 11; Gaz. vol. 132; p. 1315.
- Bitters. F. J. Mame. No. 72,070; Dec. 29; Gaz. vol. 137; p. 2215.
- Bitters and medicinal cordials. B. S. Flersheim Mercantile Co. No. 67,020; Jan. 14; Gaz. vol. 132; p. 461.
- Bitters, Aromatic. F. R. Leonori. Nos. 67,359-60; Jan. 28; Gaz. vol. 132; p. 838.
- Bitters, Orange. G. Stiegler & Co. No. 70,747; Sept. 29; Gaz. vol. 136; p. 1064.
- Bitters, Stomach. H. Obernauer. No. 66,909; Jan. 7; Gaz. vol. 132; p. 225.
- Bitters, Stomach. S. Levinson. No. 67,026; Jan. 14; Gaz. vol. 132; p. 461.
- Bitters, Stomach. Koehler & Hinrichs. No. 69,519; June 16; Gaz. vol. 134; p. 1799.
- Bituminous compounds, Certain. Barber Asphalt Paving Company. No. 71,862; Dec. 15; Gaz. vol. 137; p. 1707.
- Blackboards. P. Belvin. No. 68,975; May 12; Gaz. vol. 134; p. 510.
- Blackening or dressing iron surfaces, Preparations for. G. H. Johnson. No. 71,381; Nov. 24; Gaz. vol. 137; p. 971.
- Blackening, shoe-polish, and leather-dressing. Everett & Barron Company. No. 71,874; Dec. 22; Gaz. vol. 137; p. 1933.
- Blackings and dressings, Shoe. Sovereign Polish Co. No. 67,800; Feb. 18; Gaz. vol. 132; p. 1582.
- Blackings and polishes, Shoe, boot, and stove. Jas. S. Mason Co. Nos. 69,426-7; June 16; Gaz. vol. 134; p. 1797.
- Blank forms, Printed. W. S. Mitchell. No. 68,341; Mar. 31; Gaz. vol. 133; p. 1183.
- Blankets. Esmond Mills. No. 67,044; Jan. 14; Gaz. vol. 132; p. 462.
- Blankets, Woolen bed and wrapper. T. Kelly & Co. No. 70,522; Sept. 8; Gaz. vol. 136; p. 434.
- Blood-forming and blood-improving preparation. Aktiengesellschaft Hommel's Haematogen. No. 71,984; Dec. 29; Gaz. vol. 137; p. 2213.
- Blood-purifier. J. P. Smith Company. No. 70,228; Aug. 11; Gaz. vol. 135; p. 1358.
- Blood-purifier. Dalmatia Co. No. 71,916; Dec. 22; Gaz. vol. 137; p. 1934.
- Blood-purifier and tonic. Manhattan Drug Co. No. 68,619; Apr. 21; Gaz. vol. 133; p. 1930.
- Blood-purifier, ointment, and pills. F. W. Ketterer Medicine Company. No. 70,313; Aug. 18; Gaz. vol. 135; p. 1579.
- Blowers, Steam. McClave-Brooks Co. No. 67,788; Feb. 18; Gaz. vol. 132; p. 1581.
- Blue, Laundry. Reckitt & Sons. No. 69,593; June 23; Gaz. vol. 134; p. 2024.
- Blue, Laundry. J. & J. Colman, Limited. No. 70,845; Oct. 13; Gaz. vol. 136; p. 1527.
- Blue, Ultramarine. Vereinigte Ultramarinfabriken Aktien-Gesellschaft vormals Leverkus, Zeltner & Consorten, in Köln am Rhein. No. 68,080; Mar. 3; Gaz. vol. 133; p. 226.
- Blue, Ultramarine. Vereinigte Ultramarinfabriken Aktien-Gesellschaft vormals Leverkus, Zeltner & Consorten, in Köln am Rhein. No. 69,366; June 9; Gaz. vol. 134; p. 1558.
- Blue, Ultramarine. Vereinigte Ultramarinfabriken Aktien-Gesellschaft vormals Leverkus, Zeltner & Consorten, in Köln am Rhein. No. 69,420; June 9; Gaz. vol. 134; p. 1559.
- Blue, Wash and laundry. Halsey J. Tibbals Chemical Manufacturing Company. No. 69,885; July 14; Gaz. vol. 135; p. 446.
- Blue, Washing. Sawyer Crystal Blue Company. No. 68,224; Mar. 17; Gaz. vol. 133; p. 757.
- Blue, Washing. Sawyer Crystal Blue Company. No. 69,268; June 2; Gaz. vol. 134; p. 1293.
- Blue, Washing. D. Schurr & Co. No. 71,033; Oct. 27; Gaz. vol. 136; p. 1995.

Alphabetical list of trade-marks—Continued.

- Boards, Tongued and grooved. Holt & Smith. No. 69,703; June 30; Gaz. vol. 134; p. 2240.
 Boats and boat-frames. Pioneer Boat & Pattern Co. No. 70,579; Sept. 15; Gaz. vol. 136; p. 654.
 Boiler-cleaning compounds. A. W. Morris. No. 68,221; Mar. 17; Gaz. vol. 133; p. 757.
 Boiler-cleaning compounds. H. D. Wolcott. No. 70,868; Oct. 13; Gaz. vol. 136; p. 1527.
 Boiler injectors and boiler-feeders, Steam-. Nathan Manufacturing Co. No. 68,695; Apr. 21; Gaz. vol. 133; p. 1932.
 Boiler injectors and boiler-feeders, Steam-. Nathan Manufacturing Company. No. 69,774; July 7; Gaz. vol. 135; p. 213.
 Boiler injectors, Steam-. Penberthy Injector Company. No. 68,768; Apr. 28; Gaz. vol. 133; p. 2174.
 Boiler injectors, Steam-. Penberthy Injector Company. No. 71,070; Oct. 27; Gaz. vol. 136; p. 1996.
 Boilers for heating purposes, Steam and hot-water. Phelps Brothers Company. No. 69,917; July 14; Gaz. vol. 135; p. 447.
 Boilers, Furnace-. S. Sloan & Co. No. 70,604; Dec. 1; Gaz. vol. 137; p. 1234.
 Bolting-cloth, Silk. Schweizerische Seidengazefabrik A. G. No. 68,318; Mar. 24; Gaz. vol. 133; p. 988.
 Bookbinder's cloth. Winterbottom Book Cloth Company. No. 67,751; Feb. 18; Gaz. vol. 132; p. 1580.
 Bookcases and filing-cabinets, Sectional. Montgomery Lumber Company. No. 70,434; Sept. 1; Gaz. vol. 136; p. 221.
 Books, Account-. Compendium Company. No. 69,176; May 26; Gaz. vol. 134; p. 1045.
 Books, Certain. United States Corporation Company. No. 69,715; June 30; Gaz. vol. 134; p. 2240.
 Books, Manifolding-. Carter-Crume Co. No. 70,145; Aug. 4; Gaz. vol. 135; p. 1117.
 Books of fiction. New Fiction Library. No. 70,606; Sept. 15; Gaz. vol. 136; p. 654.
 Books, pamphlets, and magazines, Printed. G. A. Bernard. No. 67,098; Jan. 14; Gaz. vol. 132; p. 463.
 Books, Printed. System Company. No. 70,443; Sept. 1; Gaz. vol. 136; p. 221.
 Books, Printed and illustrated. G. I. Robinson. No. 67,470; Feb. 4; Gaz. vol. 132; p. 1067.
 Books relating to stenography. Sir Isaac Pitman & Sons. No. 68,562; Apr. 14; Gaz. vol. 133; p. 1675.
 Books, Toy. Reilly & Britton Company. No. 69,835; July 7; Gaz. vol. 135; p. 215.
 Boot and shoe heel cushions. A. E. Little & Company. No. 69,539; June 16; Gaz. vol. 134; p. 1800.
 Boot and shoe heels. Markham and Roberts. No. 67,581; Feb. 11; Gaz. vol. 132; p. 1314.
 Boot and shoe lasts. Woodard & Wright. No. 70,406; Aug. 25; Gaz. vol. 135; p. 1799.
 Boot and shoe polish. F. A. Secord. No. 68,806; Apr. 28; Gaz. vol. 133; p. 2175.
 Boot and shoe shanks, Metal. Keystone Shank Co. No. 71,233; Nov. 10; Gaz. vol. 137; p. 470.
 Boots and shoes. A. E. Little & Company. No. 67,465; Feb. 4; Gaz. vol. 132; p. 1067.
 Boots and shoes. Whitcomb & Paine Co. No. 71,040; Oct. 27; Gaz. vol. 136; p. 1996.
 Boots and shoes and overshoes. Hood Rubber Co. No. 72,044; Dec. 29; Gaz. vol. 137; p. 2214.
 Boots and shoes, Combination rubber and leather. J. H. Parker. No. 69,157; May 19; Gaz. vol. 134; p. 772.
 Boots and shoes, Leather. F. Mayer Boot & Shoe Co. No. 66,958; Jan. 7; Gaz. vol. 132; p. 227.
 Boots and shoes, Leather. W. B. Cosgrave Shoe Co. No. 66,979; Jan. 7; Gaz. vol. 132; p. 257.
 Boots and shoes, Leather. W. D. Brackett & Co. No. 67,122; Jan. 14; Gaz. vol. 132; p. 464.
 Boots and shoes, Leather. Loring Q. White Company. No. 67,126; Jan. 14; Gaz. vol. 132; p. 464.
 Boots and shoes, Leather. Meigs & Company. No. 67,127; Jan. 14; Gaz. vol. 132; p. 464.
 Boots and shoes, Leather. A. J. Bates Co. No. 67,219; Jan. 21; Gaz. vol. 132; p. 675.
 Boots and shoes, Leather. Geo. F. Dittmann Boot & Shoe Company. No. 67,376; Jan. 28; Gaz. vol. 132; p. 839.
 Boots and shoes, Leather. Shoemart Company. No. 67,387; Jan. 28; Gaz. vol. 132; p. 839.
 Boots and shoes, Leather. Vance Shoe Company. No. 67,389; Jan. 28; Gaz. vol. 132; p. 839.
 Boots and shoes, Leather. Lynchburg Shoe Co. No. 67,438; Feb. 4; Gaz. vol. 132; p. 1066.
 Boots and shoes, Leather. Isaac Prouty & Co. No. 67,497; Feb. 4; Gaz. vol. 132; p. 1068.
 Boots and shoes, Leather. M. Levy's Sons. No. 67,498; Feb. 4; Gaz. vol. 132; p. 1068.
 Boots and shoes, Leather. Geo. D. Witt Shoe Co. No. 67,644; Feb. 11; Gaz. vol. 132; p. 1315.
 Boots and shoes, Leather. Palace Clothing Company. No. 67,652; Feb. 11; Gaz. vol. 132; p. 1316.
 Boots and shoes, Leather. Crawford, McGregor & Canby Co. No. 67,666; Feb. 11; Gaz. vol. 132; p. 1316.
 Boots and shoes, Leather. Lynchburg Shoe Co. No. 67,674; Feb. 11; Gaz. vol. 132; p. 1316.
 Boots and shoes, Leather. Walton and Logan Company. No. 67,846; Feb. 18; Gaz. vol. 132; p. 1583.
 Boots and shoes, Leather. W. B. Cosgrave Shoe Co. No. 67,857; Feb. 25; Gaz. vol. 132; p. 1831.
 Boots and shoes, Leather. W. B. Cosgrave Shoe Co. No. 67,889; Feb. 25; Gaz. vol. 132; p. 1832.
 Boots and shoes, Leather. Heywood Boot & Shoe Company. No. 68,064; Mar. 3; Gaz. vol. 133; p. 225.
 Boots and shoes, Leather. H. E. Smith & Son. No. 68,077; Mar. 3; Gaz. vol. 133; p. 226.
 Boots and shoes, Leather. Brockton Co-Operative Boot & Shoe Co. No. 68,167; Mar. 10; Gaz. vol. 133; p. 509.
 Boots and shoes, Leather. Beasley-Harwood Shoe Co. Nos. 68,181-2; Mar. 10; Gaz. vol. 133; p. 509-10.
 Boots and shoes, Leather. Geo. G. Snow Co. No. 68,267; Mar. 17; Gaz. vol. 133; p. 758.
 Boots and shoes, Leather. Hollins Sons & Co. No. 68,270; Mar. 17; Gaz. vol. 133; p. 759.
 Boots and shoes, Leather. I. Keiffer & Co. No. 68,272; Mar. 17; Gaz. vol. 133; p. 759.
 Boots and shoes, Leather. Monroe Bros. & Co. No. 68,312; Mar. 24; Gaz. vol. 133; p. 987.
 Boots and shoes, Leather. Geo. D. Witt Shoe Company. No. 68,334; Mar. 31; Gaz. vol. 133; p. 1183.
 Boots and shoes, Leather. A. F. Cox & Son. No. 68,410; Apr. 7; Gaz. vol. 133; p. 1430.
 Boots and shoes, Leather. C. Breiding & Sohn. No. 68,566; Apr. 14; Gaz. vol. 133; p. 1675.
 Boots and shoes, Leather. W. L. Douglas Shoe Co. No. 68,853; Apr. 28; Gaz. vol. 133; p. 2177.
 Boots and shoes, Leather. Endicott Johnson Company. No. 68,952; May 12; Gaz. vol. 134; p. 509.
 Boots and shoes, Leather. J. A. Hughes. No. 69,152; May 19; Gaz. vol. 134; p. 772.
 Boots and shoes, Leather. Manss Shoe Mfg. Co. Nos. 69,214-15; May 26; Gaz. vol. 134; p. 1046.
 Boots and shoes, Leather. Woodbury Shoe Company. No. 69,220; May 26; Gaz. vol. 134; p. 1046.
 Boots and shoes, Leather. F. W. Baker. No. 69,300; June 2; Gaz. vol. 134; p. 1294.
 Boots and shoes, Leather. H. F. C. Devenmuehle & Son. No. 69,302; June 2; Gaz. vol. 134; p. 1294.
 Boots and shoes, Leather. M. Levy's Sons. No. 69,406; June 9; Gaz. vol. 134; p. 1559.
 Boots and shoes, Leather. Williams-Marvin Company. No. 69,417; June 9; Gaz. vol. 134; p. 1559.
 Boots and shoes, Leather. Haynes Henson Shoe Company. Nos. 69,585-6; June 23; Gaz. vol. 134; p. 2024.
 Boots and shoes, Leather. Haynes Henson Shoe Company. No. 69,810; July 7; Gaz. vol. 135; p. 214.
 Boots and shoes, Leather. Beal & Hanscom. Nos. 69,977-8; July 21; Gaz. vol. 135; p. 658.
 Boots and shoes, Leather. Beasley-Harwood Shoe Co. No. 70,182; Aug. 11; Gaz. vol. 135; p. 1357.
 Boots and shoes, Leather. C. J. O'Keefe. No. 70,334; Aug. 25; Gaz. vol. 135; p. 1797.
 Boots and shoes, Leather. Isaac Prouty & Co. No. 70,351; Aug. 25; Gaz. vol. 135; p. 1797.
 Boots and shoes, Leather. Isaac Prouty & Co. No. 70,378; Aug. 25; Gaz. vol. 135; p. 1798.
 Boots and shoes, Leather. H. B. Reed & Company. No. 70,469; Sept. 1; Gaz. vol. 136; p. 222.
 Boots and shoes, Leather. Regal Shoe Company. No. 70,470; Sept. 1; Gaz. vol. 136; p. 222.
 Boots and shoes, Leather. Williams, Hoyt and Co. No. 70,903; Oct. 13; Gaz. vol. 136; p. 1528.
 Boots and shoes, Leather. Locke Shoe Company. No. 70,975; Oct. 20; Gaz. vol. 136; p. 1764.
 Boots and shoes, Leather. Regal Shoe Company. No. 71,189; Nov. 10; Gaz. vol. 137; p. 469.
 Boots and shoes, Leather. Roberts, Johnson & Rand Shoe Company. No. 71,191; Nov. 10; Gaz. vol. 137; p. 469.
 Boots and shoes, Leather. L. J. Evans. No. 71,435; Nov. 24; Gaz. vol. 137; p. 973.
 Boots and shoes, Leather. United Shoe Machinery Company. Nos. 71,456-8; Nov. 24; Gaz. vol. 137; p. 973.
 Boots and shoes, Leather. Roberts, Johnson & Rand Shoe Company. No. 71,838; Dec. 15; Gaz. vol. 137; p. 1706.
 Boots and shoes, Leather. Civilian Shoe Co. No. 71,990; Dec. 29; Gaz. vol. 137; p. 2213.
 Boots and shoes, Leather. Stanner-Copeland Co. No. 72,015; Dec. 29; Gaz. vol. 137; p. 2214.
 Boots and shoes, Leather and canvas. T. A. Bresnahan. No. 67,664; Feb. 11; Gaz. vol. 132; p. 1316.
 Boots and shoes, Leather and canvas. Dorothy Dodd Shoe Co. No. 68,060; Mar. 3; Gaz. vol. 133; p. 225.
 Boots and shoes, Leather and canvas. Sommer & Kaufmann. No. 68,847; Apr. 28; Gaz. vol. 133; p. 2176.
 Boots and shoes, Leather and canvas. Tufts & Friedman. No. 69,541; June 16; Gaz. vol. 134; p. 1800.
 Boots and shoes, Leather and canvas. Allen-Poster-Willett Co. No. 71,985; Dec. 29; Gaz. vol. 137; p. 2213.
 Boots and shoes, Leather and rubber. Selz, Schwab & Company. No. 69,982; July 21; Gaz. vol. 135; p. 658.
 Boots and shoes, Leather, cloth, and satin. Frank Brothers. No. 71,578; Dec. 1; Gaz. vol. 137; p. 1233.
 Boots and shoes, Men's leather. Simmons Boot & Shoe Co. No. 69,547; June 16; Gaz. vol. 134; p. 1800.
 Boots and shoes, Leather, cloth, and satin. Frank Brothers. No. 71,292; Nov. 17; Gaz. vol. 137; p. 727.
 Boots and shoes, Rubber. Hood Rubber Company. No. 71,300; Nov. 17; Gaz. vol. 137; p. 728.
 Boots and shoes, Rubber. Lambertville Rubber Co. No. 71,830; Dec. 15; Gaz. vol. 137; p. 1706.
 Boots, shoes, and clothing, Rubber. American Rubber Co. No. 71,986; Dec. 29; Gaz. vol. 137; p. 2213.
 Boots, shoes, and leather. F. Brigham & Gregory Company. No. 66,981; Jan. 7; Gaz. vol. 132; p. 227.
 Boots, shoes, and slippers. Charles A. Eaton Company. No. 69,146; May 19; Gaz. vol. 134; p. 772.
 Boots, shoes, and slippers. F. Valdes & Co. No. 71,459; Nov. 24; Gaz. vol. 137; p. 973.
 Boots, shoes, and leggings, Leather. Ellet-Kendall Shoe Company. No. 67,124; Jan. 14; Gaz. vol. 132; p. 464.

Alphabetical list of trade-marks—Continued.

- Boots, shoes, and leggings, Leather. Ellet-Kendall Shoe Company. No. 67,668; Feb. 11; Gaz. vol. 132; p. 1316.
 Boots, shoes, and slippers, Leather. Morse & Rogers. No. 66,988; Jan. 7; Gaz. vol. 132; p. 227.
 Boots, shoes, and slippers, Leather. Edwin C. Burt Company. No. 67,123; Jan. 14; Gaz. vol. 132; p. 464.
 Boots, shoes, and slippers, Leather. M. D. Wells Co. Nos. 67,381-2; Jan. 28; Gaz. vol. 132; p. 839.
 Boots, shoes, and slippers, Leather. H. H. Roosa. No. 68,175; Mar. 10; Gaz. vol. 133; p. 509.
 Boots, shoes, and slippers, Leather. M. D. Wells Co. No. 68,691; Apr. 21; Gaz. vol. 133; p. 1932.
 Boots, shoes, and slippers, Leather. Parker Holmes & Company. No. 68,844; Apr. 28; Gaz. vol. 133; p. 2176.
 Boots, shoes, and slippers, Leather. Stetson Shoe Company. No. 69,983; July 21; Gaz. vol. 135; p. 658.
 Boots, shoes, and slippers, Leather. Scheidele Shoe Manufacturing Company. No. 70,297; Aug. 18; Gaz. vol. 135; p. 1578.
 Boots, shoes, and slippers, Leather. Paul Brothers. No. 70,468; Sept. 1; Gaz. vol. 136; p. 222.
 Boots, shoes, and slippers, Leather. Dizer-Copeland Co. No. 70,546; Sept. 15; Gaz. vol. 136; p. 653.
 Boots, shoes, and slippers, Leather. D. Davidovitz. No. 71,996; Dec. 29; Gaz. vol. 137; p. 2213.
 Boots, shoes, and slippers, Women's leather and cloth. Murray Shoe Co. No. 71,188; Nov. 10; Gaz. vol. 137; p. 469.
 Boots, shoes, oxfords, and slippers. Cutler Shoe Company. No. 71,993; Dec. 29; Gaz. vol. 137; p. 2213.
 Boots, shoes, slippers, and sandals, Leather. H. P. Cole. No. 66,978; Jan. 7; Gaz. vol. 132; p. 227.
 Boots, shoes, slippers, and sandals, Leather. Fashion Publicity Company. No. 67,125; Jan. 14; Gaz. vol. 132; p. 464.
 Boots, shoes, &c., Leather. Chippewa Shoe Mfg. Co. No. 69,148; May 19; Gaz. vol. 134; p. 772.
 Bottle-closures, Metal, paper, and porcelain. A. F. McDonnell. No. 70,490; Sept. 8; Gaz. vol. 136; p. 433.
 Bottles and jars, Certain. G. P. Altenberg. No. 70,444; Sept. 1; Gaz. vol. 136; p. 221.
 Bottles, Glass. Marlon Flint Glass Company. No. 67,500; Feb. 4; Gaz. vol. 132; p. 1068.
 Bottles, Glass. Standard Glass Company. No. 71,949; Dec. 22; Gaz. vol. 137; p. 1935.
 Bottles, Heat and cold insulated. J. G. Lyman. No. 68,930; May 5; Gaz. vol. 134; p. 253.
 Bottles, Heat and cold insulated. J. G. Lyman. No. 69,136; May 19; Gaz. vol. 134; p. 772.
 Bottles, Nursing. Gotham Company. No. 71,505; Dec. 1; Gaz. vol. 137; p. 1231.
 Bottles, Vacuum-insulated. G. F. Van Wye. No. 71,972; Dec. 22; Gaz. vol. 137; p. 1936.
 Braid for embroidering purposes. J. W. Schloss. No. 71,559; Dec. 1; Gaz. vol. 137; p. 1232.
 Braids, tapes, bindings, and trimmings. Sanford Narrow Fabric Co. No. 70,632; Sept. 15; Gaz. vol. 136; p. 655.
 Brandy. J. Cartun. No. 67,091; Jan. 14; Gaz. vol. 132; p. 463.
 Brandy. Barton Vineyard Company. No. 68,564; Apr. 14; Gaz. vol. 133; p. 1675.
 Brandy and rock and rye, Grape-. S. Jung. No. 70,290; Aug. 18; Gaz. vol. 135; p. 1578.
 Brandy, Blended grape-. Wichman, Lutgen & Co., Inc. No. 70,840; Oct. 6; Gaz. vol. 136; p. 1294.
 Brandy, Cognac. P. Frapin & Co. No. 71,579; Dec. 1; Gaz. vol. 137; p. 1233.
 Brandy, Cognac. P. Frapin & Co. No. 71,661; Dec. 8; Gaz. vol. 137; p. 1478.
 Brandy, Cognac. H. C. König. No. 69,705; June 30; Gaz. vol. 134; p. 2240.
 Bread. Greeley Printery of St. Louis. No. 68,227; Mar. 17; Gaz. vol. 133; p. 757.
 Bread. Alton Baking & Catering Co. No. 68,433; Apr. 7; Gaz. vol. 133; p. 1430.
 Bread. F. Wedehase. No. 69,463; June 16; Gaz. vol. 134; p. 1798.
 Bread. Schlesinger-Meyer Baking Co. Nos. 69,470-1; June 16; Gaz. vol. 134; p. 1798.
 Bread. G. E. Rentz. No. 70,437; Sept. 1; Gaz. vol. 136; p. 221.
 Bread. Central Butter & Egg Co. No. 70,688; Sept. 22; Gaz. vol. 136; p. 844.
 Bread. Lafayette Baking Company. No. 71,643; Dec. 8; Gaz. vol. 137; p. 1478.
 Bread and crackers, Dog and puppy. Potter & Wrightington. No. 70,746; Sept. 29; Gaz. vol. 136; p. 1064.
 Bread, crackers, and cake. Austin Biscuit Company. No. 68,131; Mar. 10; Gaz. vol. 133; p. 508.
 Bread, Loaf wheat. G. F. Leipold. No. 72,047; Dec. 29; Gaz. vol. 137; p. 2215.
 Bread, Rye. C. J. Biehle. No. 68,158; Mar. 10; Gaz. vol. 133; p. 509.
 Breath-purifying tablets. C. M. Lewis. No. 71,714; Dec. 15; Gaz. vol. 137; p. 1703.
 Brewers' wet and dried grains. Farmers Feed Company. No. 68,084; Mar. 10; Gaz. vol. 133; p. 507.
 Brick, Fire-. Olive Hill Fire Brick Company. No. 67,638; Feb. 11; Gaz. vol. 132; p. 1315.
 Brick, Furnace-. Murphy Iron Works. No. 70,259; Aug. 18; Gaz. vol. 135; p. 1577.
 Brick. Straitsville Impervious Brick Co. No. 70,421; Aug. 25; Gaz. vol. 135; p. 1799.
 Bricks. Indianapolis Composite Brick Company. No. 67,398; Feb. 4; Gaz. vol. 132; p. 1065.
 Bricks. J. P. B. Fiske. No. 69,717; June 30; Gaz. vol. 134; p. 2240.
 Bricks. Pearl Clay Products Company. No. 70,035; July 28; Gaz. vol. 135; p. 889.
 Bridges, Rolling lift or bascule. Scherzer Rolling Lift Bridge Company. No. 69,898; July 14; Gaz. vol. 135; p. 446.
 Bronzes, Ivory, &c., Chinese and Japanese. Sing Fat Co. No. 68,569; Apr. 14; Gaz. vol. 133; p. 1675.
 Brooms. Lee Broom & Duster Company. No. 67,187; Jan. 21; Gaz. vol. 132; p. 674.
 Brooms. Lee Broom & Duster Company. No. 67,213; Jan. 21; Gaz. vol. 132; p. 675.
 Brooms. Lee Broom & Duster Company. Nos. 67,256-9; Jan. 28; Gaz. vol. 132; pp. 835-6.
 Brooms. Lee Broom & Duster Company. Nos. 67,599-600; Feb. 11; Gaz. vol. 132; p. 1314.
 Brooms. Lee Broom & Duster Company. No. 67,870; Feb. 25; Gaz. vol. 132; p. 1831.
 Brooms. Harrah & Stewart Mfg. Co. No. 69,925; July 21; Gaz. vol. 135; p. 657.
 Brooms. Gardner Broom Company. Nos. 70,196-6; Aug. 11; Gaz. vol. 135; p. 1357.
 Brooms. C. Plunkett. No. 71,341; Nov. 17; Gaz. vol. 137; p. 729.
 Brooms and brushes. Amsterdam Broom Co. No. 69,033; May 19; Gaz. vol. 134; p. 769.
 Brooms and brushes. Joseph Lay Company. No. 69,370; June 9; Gaz. vol. 134; p. 1558.
 Brooms and brushes. Joseph Lay Company. No. 69,532; June 23; Gaz. vol. 134; p. 2023.
 Brooms and brushes. New Broom Company. Nos. 70,506-7; Sept. 8; Gaz. vol. 136; pp. 433-4.
 Brooms, whisks, and mops. Lang Union Broom Company. No. 70,796; Oct. 6; Gaz. vol. 136; p. 1293.
 Brooms, whisks, brushes, and dusters. Lee Broom & Duster Company. No. 67,212; Jan. 21; Gaz. vol. 132; p. 675.
 Brush-bristles. A. J. Little. No. 68,585; Apr. 21; Gaz. vol. 133; p. 1923.
 Brush sterilizer. Tooth-. D. M. Hitch. No. 67,159; Jan. 21; Gaz. vol. 132; p. 673.
 Brushes. Holton & Adams. No. 66,951; Jan. 7; Gaz. vol. 132; p. 226.
 Brushes. Geo. Borgfeldt & Co. No. 67,496; Feb. 4; Gaz. vol. 132; p. 1068.
 Brushes. P. Maendler. Nos. 68,393-4; Apr. 7; Gaz. vol. 133; p. 1429.
 Brushes, Buffing and polishing. William Dixon Incorporated. No. 70,682; Sept. 22; Gaz. vol. 136; p. 844.
 Brushes, Hair, nail, and tooth. J. C. Dowd & Co. No. 67,780; Feb. 18; Gaz. vol. 132; p. 1581.
 Brushes, Paint-. C. W. Snow & Company. No. 68,891; May 5; Gaz. vol. 134; p. 252.
 Brushes, Paint-. C. W. Snow & Company. No. 70,701; Sept. 29; Gaz. vol. 136; p. 1063.
 Brushes, Paint and varnish. Rennous Kleins & Co. of Baltimore City. No. 68,505; Apr. 14; Gaz. vol. 133; p. 1674.
 Brushes, Shaving-. Gillette Safety Razor Co. No. 70,428; Sept. 1; Gaz. vol. 136; p. 221.
 Brushes, Toilet-. Cavanaugh Brush Co. No. 67,252; Jan. 28; Gaz. vol. 132; p. 835.
 Brushes, Whitewash-. Rennous Kleins & Co. of Baltimore City. No. 68,626; Apr. 21; Gaz. vol. 133; p. 1930.
 Brushes, Wire. Osborn Mfg. Co. No. 67,602; Feb. 11; Gaz. vol. 132; p. 1314.
 Buckets, Hand-. J. S. Barron. No. 71,587; Dec. 1; Gaz. vol. 137; p. 1233.
 Buckles and clasps, Belt. Nussbaum & Humold. No. 70,265; Aug. 18; Gaz. vol. 135; p. 1577.
 Buggies, Motor-. Economy Motor Buggy Company. No. 70,811; Oct. 6; Gaz. vol. 136; p. 1294.
 Building materials, Certain. Mason City Brick & Tile Company. No. 67,116; Jan. 14; Gaz. vol. 132; p. 464.
 Bunting. United States Bunting Co. No. 69,653; June 23; Gaz. vol. 134; p. 2025.
 Burial-caskets. Northwestern Casket Co. No. 69,935; July 21; Gaz. vol. 135; p. 658.
 Burlaps. Whitridge, White & Company. No. 66,972; Jan. 7; Gaz. vol. 132; p. 227.
 Butter. Bennett Company. No. 67,171; Jan. 21; Gaz. vol. 132; p. 674.
 Butter. Elgin Butter Company. No. 67,430; Feb. 4; Gaz. vol. 132; p. 1066.
 Butter. Elgin Butter Company. No. 67,490; Feb. 4; Gaz. vol. 132; p. 1067.
 Butter. McElroy Bros. Co. No. 67,568; Feb. 11; Gaz. vol. 132; p. 1313.
 Butter. H. H. Brown. No. 67,705; Feb. 18; Gaz. vol. 132; p. 1579.
 Butter. H. H. Brown. No. 68,132; Mar. 10; Gaz. vol. 133; p. 508.
 Butter. Elgin Butter Company. Nos. 68,416-17; Apr. 7; Gaz. vol. 133; p. 1430.
 Butter. Swift & Company. No. 68,430; Apr. 7; Gaz. vol. 133; p. 1430.
 Butter. J. J. Hogan. No. 70,049; July 28; Gaz. vol. 135; p. 889.
 Butter. Watson & Aven. No. 71,417; Nov. 24; Gaz. vol. 137; p. 972.
 Butter. Hilmer Commission Co. No. 72,066; Dec. 29; Gaz. vol. 137; p. 2215.
 Butter and cream. G. W. Simpson & Co. No. 67,046; Jan. 14; Gaz. vol. 132; p. 462.
 Butter, cheese, milk, and cream. W. H. Miner. No. 68,692; Apr. 21; Gaz. vol. 133; p. 1932.

Alphabetical list of trade-marks—Continued.

- Butter, Creamery-. Ohio Dairy Co. No. 71,790; Dec. 15; Gaz. vol. 137; p. 1705.
 Butter, eggs, and dressed poultry. United States Packing Company of New Jersey. No. 69,862; July 14; Gaz. vol. 135; p. 445.
 Butter, Peanut-. F. M. Hoyt. No. 67,578; Feb. 11; Gaz. vol. 132; p. 1314.
 Butter, Peanut-. A. MacWillie. No. 69,110; May 19; Gaz. vol. 134; p. 771.
 Butter, Renovated. Scott & Company. No. 70,338; Aug. 25; Gaz. vol. 135; p. 1797.
 Butter, Saccharine. E. E. Post Co. No. 67,487; Feb. 4; Gaz. vol. 132; p. 1067.
 Butter-scotch. W. H. C. Burnett. No. 70,067; July 28; Gaz. vol. 135; p. 890.
 Buttons. Emil Wahl Manufacturing Company. Nos. 71,180-1; Nov. 10; Gaz. vol. 137; p. 469.
 Buttons and buckles for personal wear. Appelbee & Neuman. No. 71,987; Dec. 29; Gaz. vol. 137; p. 2213.
 Buttons, chains, rings, and ear-rings. Collar and cuff. F. Pernas. No. 70,293; Aug. 18; Gaz. vol. 135; p. 1578.
 Buttons, Glove-. T. A. Sutton. No. 69,740; June 30; Gaz. vol. 134; p. 2241.
 Buttons, Pearl. Vienna Pearl Button Manufacturing Company. No. 70,320; Aug. 18; Gaz. vol. 135; p. 1579.
 Cabs, Motor-. New York Taxi-Cab Company. No. 67,700; Feb. 18; Gaz. vol. 132; p. 1579.
 Cake-icing. L. Benjamin. No. 70,323; Aug. 25; Gaz. vol. 135; p. 1797.
 Cake-icing and filling. W. F. Childs. No. 69,685; June 30; Gaz. vol. 134; p. 2239.
 Cakes and biscuits. Marjenhoff Co. No. 69,457; June 16; Gaz. vol. 134; p. 1798.
 Cakes and biscuits. R. van Hauen. No. 70,696; Sept. 22; Gaz. vol. 136; p. 844.
 Cakes, biscuits, and bread. R. McVitie. Nos. 69,961-4; July 21; Gaz. vol. 135; p. 658.
 Calcimine. Ilsey Doubleday & Co. No. 70,956; Oct. 20; Gaz. vol. 136; p. 1764.
 Calcimine. Muralo Company. No. 70,997; Oct. 20; Gaz. vol. 136; p. 1765.
 Calcium carbide. Union Carbide Company. No. 71,518; Dec. 1; Gaz. vol. 137; p. 1231.
 Calcium cyanamid. American Cyanamid Company. No. 67,228; Jan. 28; Gaz. vol. 132; p. 835.
 Calendars. W. T. Doremus. No. 70,367; Aug. 25; Gaz. vol. 135; p. 1798.
 Calling-tools. H. Mueller Manufacturing Company. No. 68,335; Mar. 31; Gaz. vol. 133; p. 1183.
 Cambric frillings. J. & J. Cash. No. 69,648; June 23; Gaz. vol. 134; p. 2025.
 Cambrics and long-cloth when bleached, finished, or converted. G. Willis & Co. No. 67,645; Feb. 11; Gaz. vol. 132; p. 1315.
 Cameras, moving-picture machines, and films, Photographie. Sté. des Etablissements Gaumont. No. 72,032; Dec. 29; Gaz. vol. 137; p. 2214.
 Candied popcorn. McKnight & Worrell. No. 69,361; June 9; Gaz. vol. 134; p. 1558.
 Candied popcorn, candy, and chewing-gum. W. S. Hannah. No. 67,313; Jan. 28; Gaz. vol. 132; p. 837.
 Candies. Heywood Candy Manufacturing Company. No. 67,434; Feb. 4; Gaz. vol. 132; p. 1066.
 Candies. National Candy Company. No. 67,557; Feb. 11; Gaz. vol. 132; p. 1313.
 Candies. Davies-Williams Company. No. 68,742; Apr. 28; Gaz. vol. 133; p. 2174.
 Candies. J. G. Smith. No. 68,755; Apr. 28; Gaz. vol. 133; p. 2174.
 Candies. National Candy Company. No. 68,782; Apr. 28; Gaz. vol. 133; p. 2175.
 Candies. Stern & Saalberg Co. No. 68,878; May 5; Gaz. vol. 134; p. 251.
 Candies. Hardie Bros. Co. No. 69,038; May 19; Gaz. vol. 134; p. 769.
 Candies and chocolate. Bunte Brothers. No. 71,159; Nov. 3; Gaz. vol. 137; p. 225.
 Candies and salted nuts. A. L. and J. W. Dart. No. 68,704; Apr. 21; Gaz. vol. 133; p. 1932.
 Candies, Chocolate. J. Govatos. No. 70,174; Aug. 4; Gaz. vol. 135; p. 1118.
 Candies, Chocolate. New England Confectionery Co. Nos. 70,260-3; Aug. 18; Gaz. vol. 135; p. 1577.
 Candies, Cream mixture to be used in manufacture of. V. F. Barbaro. No. 70,906; Oct. 13; Gaz. vol. 136; p. 1528.
 Candy. United Drug Company. Nos. 66,938-9; Jan. 7; Gaz. vol. 132; p. 226.
 Candy. A. B. Schopf. No. 67,059; Jan. 14; Gaz. vol. 132; p. 462.
 Candy. Stern & Saalberg Company. No. 67,279; Jan. 28; Gaz. vol. 132; p. 836.
 Candy. Aughinbaugh Caramel Company. No. 67,560; Feb. 11; Gaz. vol. 132; p. 1313.
 Candy. P. Boondas. No. 67,704; Feb. 18; Gaz. vol. 132; p. 1579.
 Candy. Marjenhoff Co. No. 67,718; Feb. 18; Gaz. vol. 132; p. 1579.
 Candy. G. S. Feeny Co. No. 68,304; Mar. 24; Gaz. vol. 133; p. 987.
 Candy. H. Burnet. No. 68,741; Apr. 28; Gaz. vol. 133; p. 2174.
 Candy. Lipps-Murbach Co. of Baltimore City. No. 68,748; Apr. 28; Gaz. vol. 133; p. 2174.
 Candy. Manufacturing Company of America. Nos. 68,750-1; Apr. 28; Gaz. vol. 133; p. 2174.
 Candy. M. M. Johannsen Candy Company. No. 69,031; May 12; Gaz. vol. 134; p. 511.
 Candy. Blanke-Wenneker Candy Co. No. 69,059; May 19; Gaz. vol. 134; p. 769.
 Candy. Stern & Saalberg Co. No. 69,286; June 2; Gaz. vol. 134; p. 1294.
 Candy. Lane & Schmand. No. 69,706; June 30; Gaz. vol. 134; p. 2240.
 Candy. Walter M. Lowney Company. No. 69,794; July 7; Gaz. vol. 135; p. 214.
 Candy. F. M. Switzer. No. 70,061; July 28; Gaz. vol. 135; p. 889.
 Candy. B. F. Jackson. No. 71,067; Oct. 27; Gaz. vol. 136; p. 1996.
 Candy, Chocolate. Cedar Rapids Candy Company. No. 67,707; Feb. 18; Gaz. vol. 132; p. 1579.
 Candy jellies. Roach Tisdale & Co. No. 69,951; July 21; Gaz. vol. 135; p. 657.
 Candy, Peanut-. Dreyfus Bros. No. 66,920; Jan. 7; Gaz. vol. 132; p. 225.
 Candy, Popcorn-. C. E. Pierce. No. 71,556; Dec. 1; Gaz. vol. 137; p. 1232.
 Candies. Emery Candle Co. Nos. 67,333-4; Jan. 28; Gaz. vol. 132; p. 838.
 Cane and corn syrups, Compound of. Shreveport Syrup and Molasses Co. No. 72,054; Dec. 29; Gaz. vol. 137; p. 2215.
 Cane-mills. Fulton Iron Works. No. 71,922; Dec. 22; Gaz. vol. 137; p. 1934.
 Canned and dried fruits. J. K. Armsby Company. Nos. 67,277-8; Jan. 28; Gaz. vol. 132; p. 836.
 Canned and dried fruits. J. K. Armsby Company. No. 67,478; Feb. 4; Gaz. vol. 132; p. 1067.
 Canned and preserved fruits and vegetables. Chilton Canning Company. No. 69,582; June 23; Gaz. vol. 134; p. 2024.
 Canned, bottled, and preserved fruits and vegetables. M. C. Nellis. No. 67,517; Feb. 4; Gaz. vol. 132; p. 1068.
 Canned, bottled, preserved, evaporated, and pickled fruits and vegetables. Wayne County Preserving Company. No. 69,599; June 23; Gaz. vol. 134; p. 2024.
 Canned clams. J. Wyman & Son. No. 67,201; Jan. 21; Gaz. vol. 132; p. 675.
 Canned clams and sardines. J. Wyman & Son. No. 67,575; Feb. 11; Gaz. vol. 132; p. 1314.
 Canned corn. Illinois Canning Co. No. 67,315; Jan. 28; Gaz. vol. 132; p. 837.
 Canned, dried, and preserved fruits and canned vegetables. Fresno Home Packing Company. Nos. 66,921-4; Jan. 7; Gaz. vol. 133; pp. 225-6.
 Canned fish. Moos & Co. No. 67,481; Feb. 4; Gaz. vol. 132; p. 1067.
 Canned fish. Haas, Baruch & Co. No. 67,551; Feb. 11; Gaz. vol. 132; p. 1313.
 Canned fish. Schwabacher Bros. & Co. No. 67,558; Feb. 11; Gaz. vol. 132; p. 1343.
 Canned fish. Warfield Pratt Howell Co. No. 67,945; Feb. 25; Gaz. vol. 132; p. 1833.
 Canned fish. Getz Bros. & Co. No. 69,770; July 7; Gaz. vol. 135; p. 213.
 Canned fish and oysters. J. Oppenheimer & Co. No. 68,883; May 5; Gaz. vol. 134; p. 251.
 Canned fish, clams, lobsters, &c. E. T. Smith Company. No. 67,309; Jan. 28; Gaz. vol. 132; p. 837.
 Canned fish-roe. Davis & Johnson. No. 69,558; June 23; Gaz. vol. 134; p. 2023.
 Canned fresh cape lobster. H. Dubler. No. 71,780; Dec. 15; Gaz. vol. 137; p. 1705.
 Canned fruits. Griffith-Durney Company. No. 69,771; July 7; Gaz. vol. 135; p. 213.
 Canned fruits and vegetables. Ridenour Baker Grocery Co. No. 67,194; Jan. 21; Gaz. vol. 132; p. 674.
 Canned fruits and vegetables. John Hoffmann & Sons Co. Nos. 67,316-17; Jan. 28; Gaz. vol. 132; p. 837.
 Canned fruits and vegetables. Geneva Preserving Company. No. 67,476; Feb. 4; Gaz. vol. 132; p. 1067.
 Canned fruits and vegetables. Geneva Preserving Company. Nos. 67,493-5; Feb. 4; Gaz. vol. 132; p. 1068.
 Canned fruits and vegetables. H. P. Cannon. No. 67,706; Feb. 18; Gaz. vol. 132; p. 1579.
 Canned fruits and vegetables. Aughinbaugh Canning Co. No. 68,404; Apr. 7; Gaz. vol. 133; p. 1429.
 Canned fruits and vegetables. Burt Olney Canning Co. No. 68,773; Apr. 28; Gaz. vol. 133; p. 2174.
 Canned fruits and vegetables. A. J. Wenham's Sons. No. 68,790; Apr. 28; Gaz. vol. 133; p. 2175.
 Canned fruits and vegetables. Griffith-Durney Company. No. 69,011; May 12; Gaz. vol. 134; p. 511.
 Canned fruits and vegetables. Oneida County Canning Co. Nos. 69,028-9; May 12; Gaz. vol. 134; p. 511.
 Canned fruits and vegetables. Griffith-Durney Company. No. 69,109; May 19; Gaz. vol. 134; p. 771.
 Canned fruits and vegetables. Draper & Hirsch. Nos. 69,356-7; June 9; Gaz. vol. 134; p. 1558.
 Canned fruits and vegetables. W. H. Fox. No. 69,453; June 16; Gaz. vol. 134; p. 1798.
 Canned fruits and vegetables. Griffith-Durney Company. Nos. 69,570-1; June 23; Gaz. vol. 134; p. 2023.
 Canned fruits and vegetables. Griffith-Durney Company. No. 69,607; June 23; Gaz. vol. 134; p. 2024.
 Canned fruits and vegetables. Franklinville Canning Co. No. 69,626; June 23; Gaz. vol. 134; p. 2025.

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- Canned fruits and vegetables. Griffith-Durney Company. No. 69,772; July 7; Gaz. vol. 135; p. 213.
 Canned fruits and vegetables. Griffith-Durney Company. No. 69,846; July 14; Gaz. vol. 135; p. 445.
 Canned fruits and vegetables. Napa Canning Co. No. 70,291; Aug. 18; Gaz. vol. 135; p. 1578.
 Canned fruits and vegetables. J. F. Pyle & Son. No. 70,535; Sept. 8; Gaz. vol. 136; p. 434.
 Canned fruits and vegetables. Burton & Davis Co. No. 70,723; Sept. 29; Gaz. vol. 136; p. 1063.
 Canned fruits and vegetables. J. F. Pyle & Son. No. 70,740; Sept. 29; Gaz. vol. 136; p. 1064.
 Canned fruits and vegetables. G. S. Feeny Co. No. 71,018; Oct. 27; Gaz. vol. 136; p. 1995.
 Canned fruits and vegetables. Lauderdale Canning Company. No. 71,025; Oct. 27; Gaz. vol. 136; p. 1995.
 Canned fruits and vegetables. Burt Olney Canning Co. No. 71,160; Nov. 3; Gaz. vol. 137; p. 225.
 Canned fruits and vegetables. Stevens Brothers. No. 72,033; Dec. 29; Gaz. vol. 137; p. 2214.
 Canned fruits and vegetables and dried fruits. J. H. Flickinger Co. No. 69,276; June 2; Gaz. vol. 134; p. 1293.
 Canned fruits and vegetables and dried fruits. J. H. Flickinger Co. No. 69,588; June 23; Gaz. vol. 134; p. 2024.
 Canned fruits and vegetables, apple-butter, catsup, and mince-meat. Nave-McCord Mercantile Company. No. 70,960; Oct. 20; Gaz. vol. 136; p. 1764.
 Canned fruits and vegetables, coffee, and catsup. Howell & Burks. No. 69,360; June 9; Gaz. vol. 134; p. 1558.
 Canned fruits and vegetables, sea foods, and olive-oil. J. M. Chapman. No. 69,354; June 9; Gaz. vol. 134; p. 1557.
 Canned fruits and vegetables, tapioca, corn-starch, and extract of vanilla. H. Kussy. No. 70,415; Aug. 25; Gaz. vol. 135; p. 1799.
 Canned fruits and vegetables, vinegar, and pickles. A. F. Beckmann & Co. No. 67,040; Jan. 14; Gaz. vol. 132; p. 462.
 Canned fruits, berries, and vegetables. E. T. Smith Company. No. 67,157; Jan. 21; Gaz. vol. 132; p. 673.
 Canned fruits, Certain. Armsby Preserving Co. Nos. 68,630-2; Apr. 21; Gaz. vol. 133; p. 1930.
 Canned fruits, Certain. Armsby Preserving Co. Nos. 71,251-2; Nov. 10; Gaz. vol. 137; p. 471.
 Canned fruits, vegetables, and oysters. H. J. McGrath Company. No. 68,406; Apr. 7; Gaz. vol. 133; p. 1429.
 Canned fruits, vegetables, and oysters. T. J. Myer & Co. No. 69,027; May 12; Gaz. vol. 134; p. 511.
 Canned pears. R. S. Beston. No. 67,041; Jan. 14; Gaz. vol. 132; p. 462.
 Canned peas, beans, corn, and tomatoes. Waterloo Can. & Pickling Ass'n. No. 70,530; Sept. 8; Gaz. vol. 136; p. 434.
 Canned pineapples. Pearl City Fruit Company. No. 67,502; Feb. 4; Gaz. vol. 132; p. 1068.
 Canned salmon. Thinker Packing and Trading Co. Nos. 67,323-4; Jan. 28; Gaz. vol. 132; p. 837.
 Canned salmon. Northwestern Fisheries Company. No. 67,482; Feb. 4; Gaz. vol. 132; p. 1067.
 Canned salmon. Columbia Canning Company. No. 68,133; Mar. 10; Gaz. vol. 133; p. 508.
 Canned salmon. Kelley-Clarke Co. Nos. 68,140-9; Mar. 10; Gaz. vol. 133; pp. 508-9.
 Canned salmon. Griffith-Durney Company. Nos. 68,871-2; May 5; Gaz. vol. 134; p. 251.
 Canned salmon. Griffith-Durney Company. Nos. 68,977-9; May 12; Gaz. vol. 134; p. 510.
 Canned salmon. George Liss & Co. No. 69,075; May 19; Gaz. vol. 134; p. 770.
 Canned salmon. Griffith-Durney Company. No. 69,078; May 19; Gaz. vol. 134; p. 770.
 Canned salmon. Griffith-Durney Company. No. 69,226; May 26; Gaz. vol. 134; p. 1046.
 Canned salmon. Griffith-Durney Company. Nos. 69,678-9; June 30; Gaz. vol. 134; p. 2239.
 Canned salmon. Yakutat & Southern Railway Co. Nos. 69,682-4; June 30; Gaz. vol. 134; p. 2239.
 Canned salmon. North Pacific Trading & Packing Co. No. 69,775; July 7; Gaz. vol. 135; p. 213.
 Canned salmon. Yakutat & Southern Railway Co. No. 69,839; July 7; Gaz. vol. 135; p. 215.
 Canned salmon. Griffith-Durney Company. No. 69,847; July 14; Gaz. vol. 135; p. 445.
 Canned salmon. North Alaska Salmon Co. Nos. 69,849-57; July 14; Gaz. vol. 135; p. 445.
 Canned salmon. North Alaska Salmon Co. No. 69,893; July 14; Gaz. vol. 135; p. 446.
 Canned salmon. North Alaska Salmon Co. No. 69,981; July 21; Gaz. vol. 135; p. 658.
 Canned salmon. Northwestern Fisheries Co. No. 70,208; Aug. 11; Gaz. vol. 135; p. 1358.
 Canned salmon. Kelley-Clarke Co. No. 70,626; Sept. 15; Gaz. vol. 136; p. 655.
 Canned salmon. North Pacific Trading & Packing Co. No. 70,739; Sept. 29; Gaz. vol. 136; p. 1064.
 Canned salmon. Griffith-Durney Company. Nos. 71,163-4; Nov. 3; Gaz. vol. 137; p. 225.
 Canned salmon. Alaska Packers Association. Nos. 71,725-33; Dec. 15; Gaz. vol. 137; pp. 1703-4.
 Canned salmon. Alaska Packers Association. Nos. 71,735-75; Dec. 15; Gaz. vol. 137; pp. 1704-5.
 Canned salmon. Alaska Packers Association. Nos. 71,841-4; Dec. 15; Gaz. vol. 137; pp. 1706-7.
 Canned salmon. Alaska Packers Association. Nos. 71,879-87; Dec. 22; Gaz. vol. 137; p. 1933.
 Canned salmon. Alaska Packers Association. Nos. 72,058-9; Dec. 29; Gaz. vol. 137; p. 2215.
 Canned salmon and canned vegetables. Getz Bros. & Co. No. 71,591; Dec. 1; Gaz. vol. 137; p. 1233.
 Canned sardines. J. Wyman & Son. No. 67,305; Jan. 28; Gaz. vol. 132; p. 837.
 Canned sardines. A/s Stavanger Sardine Co. No. 67,473; Feb. 4; Gaz. vol. 132; p. 1067.
 Canned sea foods, Certain. Strohmeier & Arpe Company. No. 68,658; Apr. 21; Gaz. vol. 133; p. 1931.
 Canned smoked Norwegian sardines in olive-oil. H. B. Ritchie. No. 71,000; Oct. 20; Gaz. vol. 136; p. 1765.
 Canned, smoked, pickled, and preserved fish. Johs. Conradsen A/S. No. 69,066; May 19; Gaz. vol. 134; p. 770.
 Canned soup. W. A. Schwalbe. No. 70,600; July 28; Gaz. vol. 135; p. 889.
 Canned tomatoes. E. Robinson. No. 68,365; Mar. 31; Gaz. vol. 133; p. 1184.
 Canned tomatoes. Ragon Brothers. No. 69,111; May 19; Gaz. vol. 134; p. 771.
 Canned tomatoes, peaches, pears, & c. I. Levin. No. 70,692; Sept. 22; Gaz. vol. 136; p. 847.
 Canned vegetables. Illinois Canning Co. Nos. 67,049-53; Jan. 14; Gaz. vol. 132; p. 462.
 Canned vegetables. Illinois Canning Co. No. 67,314; Jan. 28; Gaz. vol. 132; p. 837.
 Canned vegetables. Siegel Cooper & Co. No. 67,322; Jan. 28; Gaz. vol. 132; p. 837.
 Canned vegetables. H. von Glahn & Son. No. 68,465; Apr. 7; Gaz. vol. 133; p. 1431.
 Canned vegetables. W. W. Boyer & Co. No. 68,921; May 5; Gaz. vol. 134; p. 252.
 Canned vegetables. Green Bay Canning Company. No. 69,465; June 16; Gaz. vol. 134; p. 1798.
 Canned vegetables. Strasbaugh, Silver & Co. No. 69,713; June 30; Gaz. vol. 134; p. 2240.
 Canned vegetables. Illinois Selling Company. No. 69,773; July 7; Gaz. vol. 135; p. 213.
 Canned vegetables. Illinois Selling Company. Nos. 69,786-7; July 7; Gaz. vol. 135; p. 213.
 Canned vegetables. Nininger & Frantz. No. 70,207; Aug. 11; Gaz. vol. 135; p. 1358.
 Canned vegetables. W. Larsen. No. 71,644; Dec. 8; Gaz. vol. 137; p. 1478.
 Canned vegetables and fruit. Downing Taylor Co. No. 70,282; Aug. 18; Gaz. vol. 135; p. 1578.
 Canned vegetables and sauer-kraut. W. Larsen. Nos. 71,645-6; Dec. 8; Gaz. vol. 137; p. 1478.
 Canned vegetables, sauer-kraut, and purée of peas. W. Larsen. No. 71,626; Dec. 8; Gaz. vol. 137; p. 1477.
 Canned vegetables, sauer-kraut, and purée of peas. W. Larsen. No. 71,647; Dec. 8; Gaz. vol. 137; p. 1478.
 Cantaloups. Pea Ridge Cantaloupe & Truck Growers' Association. No. 69,014; May 12; Gaz. vol. 134; p. 511.
 Cantaloups. H. H. Hawkins. No. 71,377; Nov. 24; Gaz. vol. 137; p. 971.
 Capsules. R. J. Gates. No. 70,844; Oct. 13; Gaz. vol. 136; p. 1527.
 Car-castings. National Malleable Castings Company. No. 69,187; May 26; Gaz. vol. 134; p. 1045.
 Car-cleaners, Liquid. Modoc Company. No. 67,789; Feb. 18; Gaz. vol. 132; p. 1581.
 Car-trucks and parts thereof. E. H. Benners. No. 68,989; May 12; Gaz. vol. 134; p. 510.
 Caramel paste. Borden's Condensed Milk Company. No. 72,078; Dec. 29; Gaz. vol. 137; p. 2215.
 Caramels and chocolates. Borden's Condensed Milk Company. No. 67,546; Feb. 11; Gaz. vol. 132; p. 1313.
 Carbon, lamp, and gas black. G. L. Cabot. No. 67,327; Jan. 28; Gaz. vol. 132; p. 837.
 Carbon-paper and type-writer ribbons. Mittag & Volger. No. 71,447; Nov. 24; Gaz. vol. 137; p. 973.
 Carbon-paper and ink-ribbon. Oliver Typewriter Company. No. 71,671; Dec. 8; Gaz. vol. 137; p. 1478.
 Carbonated beverage, Non-alcoholic. J. J. Tobin. No. 72,075; Dec. 29; Gaz. vol. 137; p. 2215.
 Card, block, and picture games. C. L. Goding. No. 71,355; Nov. 17; Gaz. vol. 137; p. 729.
 Cards containing culinary recipes. G. Forbes. No. 68,266; Mar. 17; Gaz. vol. 133; p. 758.
 Carpet-sweepers. National Sweeper Company. No. 68,396; Apr. 7; Gaz. vol. 133; p. 1942.
 Carpets and rugs. J. V. Mawby. Nos. 69,238-9; May 26; Gaz. vol. 134; p. 1047.
 Carpets and rugs. Lister and Company Limited. No. 70,889; Oct. 13; Gaz. vol. 136; p. 1528.
 Carpets and rugs. E. C. Beetem & Son. No. 71,041; Oct. 27; Gaz. vol. 136; p. 1996.
 Carpets and rugs. Cascade Carpet Company. No. 71,281; Nov. 17; Gaz. vol. 137; p. 727.
 Carpets and rugs. Cascade Carpet Company. No. 71,826; Dec. 15; Gaz. vol. 137; p. 1906.
 Carpets and rugs, Fiber. W. & J. Sloane. No. 69,161; May 19; Gaz. vol. 134; p. 772.
 Carriages, carts, buggies, and wagons. Speedwell Motor Car Co. No. 69,870; July 14; Gaz. vol. 135; p. 445.
 Cartons and boxes. G. Franke. No. 69,829; July 7; Gaz. vol. 135; p. 215.
 Cartridges and cartridge-shells. National Cartridge Company. No. 70,815; Oct. 6; Gaz. vol. 136; p. 1294.
 Cash and package carriers. Air Line Carrier Co. No. 69,336; June 9; Gaz. vol. 134; p. 1557.
 Casting-molds, Wax-wire for making vent-holes in. Houseman & Thompson. No. 68,256; Mar. 17; Gaz. vol. 133; p. 758.

- Castings, Brass. G. W. Vanduzen. No. 67,121; Jan. 14; Gaz. vol. 132; p. 464.
 Castings, Miscellaneous. Ohio Malleable Iron Company. No. 70,665; Sept. 22; Gaz. vol. 136; p. 844.
 Castings, Steel. New Jersey Steel Co. No. 70,816; Oct. 6; Gaz. vol. 136; p. 1294.
 Castor-oil compound. Mooney Mueller Drug Company. No. 71,947; Dec. 22; Gaz. vol. 137; p. 1935.
 Catalogue, Serial. Missouri Glass Company. No. 70,763; Sept. 29; Gaz. vol. 136; p. 1064.
 Catalogues and advertising-circulars. McClure Company. No. 68,674; Apr. 21; Gaz. vol. 133; p. 1931.
 Cathartic. B. D'E. Krembs. No. 72,026; Dec. 29; Gaz. vol. 137; p. 2214.
 Celery. Crutchfield & Woolfolk. No. 69,557; June 23; Gaz. vol. 134; p. 2023.
 Cement, Adhesive liquid. Benjamin & Gee. No. 71,218; Nov. 10; Gaz. vol. 137; p. 470.
 Cement, Aluminium pipe-. A. Wilhelm Co. No. 71,463; Nov. 24; Gaz. vol. 137; p. 974.
 Cement-block machines. Burrell Manufacturing Company. No. 68,380; Apr. 7; Gaz. vol. 133; p. 1429.
 Cement, brick, or stone, Damp-proofing coating for. Dexter Brothers Co. No. 70,985; Oct. 20; Gaz. vol. 136; p. 1764.
 Cement for filling fissures in metals. Liebert & Meyerhof. No. 68,804; Apr. 28; Gaz. vol. 133; p. 2175.
 Cement, Hydraulic. Portland Cementfabrik "Germania" Aktiengesellschaft. No. 69,243; May 26; Gaz. vol. 134; p. 1047.
 Cement, lime, and plaster-of-paris. Union Cement and Lime Company. No. 67,403; Feb. 4; Gaz. vol. 132; p. 1065.
 Cement, Pipe-joint. Headson and Overesch. No. 69,483; June 16; Gaz. vol. 134; p. 1798.
 Cement, Portland. Penn-Allen Portland Cement Co. No. 68,022; Mar. 3; Gaz. vol. 133; p. 224.
 Cement, Portland. Berkshire White Portland Cement Company. No. 68,795; Apr. 28; Gaz. vol. 133; p. 2175.
 Cement, Portland. Copley Cement Manufacturing Company. No. 69,073; May 19; Gaz. vol. 134; p. 770.
 Cement, Portland. Portland Cementfabrik Hemmoor. No. 69,124; May 19; Gaz. vol. 134; p. 771.
 Cement, Portland. North American Construction Company. No. 69,485; June 16; Gaz. vol. 134; p. 1798.
 Cement, Portland. Bonner Portland Cement Company. No. 70,193; Aug. 11; Gaz. vol. 135; p. 1357.
 Cement, Portland. Sandusky Portland Cement Company. No. 70,272; Aug. 18; Gaz. vol. 135; p. 1577.
 Cement, Portland. W. R. Warren. No. 70,277; Aug. 18; Gaz. vol. 135; p. 1578.
 Cement, Portland. Alpha Portland Cement Company. No. 70,422; Sept. 1; Gaz. vol. 136; p. 221.
 Cement, Portland. J. & A. Pavin de Lafarge. No. 70,432; Sept. 1; Gaz. vol. 136; p. 221.
 Cement, Portland. Alpha Portland Cement Company. No. 70,500; Sept. 8; Gaz. vol. 136; p. 433.
 Cement, Portland. Northwestern States Portland Cement Co. No. 70,578; Sept. 15; Gaz. vol. 136; p. 654.
 Cement, Portland or hydraulic. Charles Zunz, Limited. No. 66,917; Jan. 7; Gaz. vol. 132; p. 225.
 Cements, Adhesive. S. B. Bowen. No. 67,610; Feb. 11; Gaz. vol. 132; p. 1315.
 Cements and glues. M. Wilkenfield. No. 70,278; Aug. 18; Gaz. vol. 135; p. 1578.
 Cements and pastes. Certain. Hazen-Brown Co. Nos. 67,110-11; Jan. 14; Gaz. vol. 132; p. 463.
 Center spuds. Smith-Courtney Co. No. 70,298; Aug. 18; Gaz. vol. 135; p. 1578.
 Cereals, Roasted. E. Meyer. No. 69,086; May 19; Gaz. vol. 134; p. 770.
 Certain clothing. Tootle Campbell Dry Goods Co. No. 72,017; Dec. 29; Gaz. vol. 137; p. 2214.
 Chains. Diamond Chain and Manufacturing Company. No. 70,445; Sept. 1; Gaz. vol. 136; p. 221.
 Chains and bracelets, Plated. Austin and Stone. No. 69,326; June 9; Gaz. vol. 134; p. 1557.
 Chains, chain links and hooks. Hayden-Corbett Chain Co. No. 67,782; Feb. 18; Gaz. vol. 132; p. 1581.
 Chains for personal adornment. D. F. Briggs Co. No. 68,029; Mar. 3; Gaz. vol. 133; p. 224.
 Chains, Sheet-metal. Smith & Egge Mfg. Co. No. 66,937; Jan. 7; Gaz. vol. 132; p. 226.
 Chains, Sheet-metal. Smith & Egge Mfg. Co. No. 67,301; Jan. 28; Gaz. vol. 132; p. 837.
 Chairs. Royal Chair Co. Nos. 70,942-3; Oct. 20; Gaz. vol. 136; p. 1763.
 Chairs and davenport. C. F. Streit Mfg. Co. No. 72,021; Dec. 29; Gaz. vol. 137; p. 2214.
 Chairs, Pneumatic treads for rocking-. Pneumatic Rocker Tire Company. No. 69,242; May 26; Gaz. vol. 134; p. 1047.
 Chamois, Imitation. K. Hart. No. 69,746; June 30; Gaz. vol. 134; p. 2241.
 Chandeliers. Chas. Polacheck & Bro. Co. No. 70,724; Sept. 29; Gaz. vol. 136; p. 1063.
 Checks, Bank-. H. Arnold. No. 67,085; Jan. 14; Gaz. vol. 132; p. 463.
 Cheese. W. J. Eldridge. Nos. 67,179-80; Jan. 21; Gaz. vol. 132; p. 674.
 Cheese. W. J. Eldridge. Nos. 67,564-5; Feb. 11; Gaz. vol. 132; p. 1313.
 Cheese, Cream-. Scott & Company. No. 70,528; Sept. 8; Gaz. vol. 136; p. 434.
 Cheese, Cream-. W. J. Eldridge. Nos. 71,807-8; Dec. 15; Gaz. vol. 137; p. 1706.
 Chemical antisept composition. N. E. Holding. No. 71,925; Dec. 22; Gaz. vol. 137; p. 1934.
 Chemical, Certain. H. A. Metz & Co. No. 68,085; Mar. 10; Gaz. vol. 133; p. 507.
 Chemical, Certain. Chemische Werke Hansa, Gesellschaft mit beschränkter Haftung. No. 70,391; Aug. 25; Gaz. vol. 135; p. 1798.
 Chemical composition, Certain. Liverpool Borax Co. No. 68,586; Apr. 21; Gaz. vol. 133; p. 1929.
 Chemical, medicinal, and toilet preparations, Certain. L. O. Waller. No. 69,598; June 23; Gaz. vol. 134; p. 2024.
 Chemical preparation, Certain. T. Meyer. No. 69,940; July 21; Gaz. vol. 135; p. 657.
 Chemical preparation, Certain. L. W. Lewis. No. 71,688; Dec. 8; Gaz. vol. 137; p. 1479.
 Chemical preparations, Certain. Boericke & Tafel. No. 66,946; Jan. 7; Gaz. vol. 132; p. 226.
 Chemical preparations, Certain. E. Homann. No. 68,422; Apr. 7; Gaz. vol. 133; p. 1430.
 Chemical preparations, Certain. Max Elb Gesellschaft mit beschränkter Haftung. No. 68,587; Apr. 21; Gaz. vol. 133; p. 1929.
 Chemical preparations, Certain. Corliss Chemical Company. No. 69,727; June 30; Gaz. vol. 134; p. 2241.
 Chemical preparations, Certain. Hartmann & Hauers. No. 69,938; July 21; Gaz. vol. 135; p. 657.
 Chemical preparations, Certain. Theodore Metcalf Company. No. 69,942; July 21; Gaz. vol. 135; p. 657.
 Chemical preparations, Certain. Hartmann & Hauers. No. 69,958; July 21; Gaz. vol. 135; p. 658.
 Chemical preparations, Certain. Manhattan Disinfecting Company. No. 71,648; Dec. 8; Gaz. vol. 137; p. 1478.
 Chemical solutions, compounds, and preparations, Certain. Eastman Kodak Co. No. 68,515; Apr. 14; Gaz. vol. 133; p. 1674.
 Chemicals, Certain. E. Brunor. No. 67,547; Feb. 11; Gaz. vol. 132; p. 1313.
 Chemicals, Certain. Farbenfabriken of Elberfeld Co. No. 67,867; Feb. 25; Gaz. vol. 132; p. 1831.
 Chemicals, Certain. Stevenson & Howell. No. 67,879; Feb. 25; Gaz. vol. 132; p. 1832.
 Chemicals, Certain. Badische Anilin & Soda Fabrik. No. 67,964; Mar. 3; Gaz. vol. 133; p. 223.
 Chemicals, Certain. Farbenfabriken of Elberfeld Co. No. 68,188; Mar. 10; Gaz. vol. 133; p. 510.
 Chemicals, Certain. W. P. Pratt Laboratory. No. 68,222; Mar. 17; Gaz. vol. 133; p. 757.
 Chemicals, Certain. C. F. Sharkey. No. 68,225; Mar. 17; Gaz. vol. 133; p. 757.
 Chemicals, Certain. A. von Isakovics. Nos. 68,297-8; Mar. 24; Gaz. vol. 133; p. 987.
 Chemicals, Certain. Pacific Coast Borax Co. Nos. 68,524-5; Apr. 14; Gaz. vol. 133; p. 1674.
 Chemicals, Certain. Farbenfabriken vorm. Friedr. Bayer & Co. No. 68,608; Apr. 21; Gaz. vol. 133; p. 1929.
 Chemicals, Certain. New York Quinine & Chemical Works. No. 68,898; May 5; Gaz. vol. 134; p. 252.
 Chemicals, Certain. J. L. & D. S. Riker. No. 69,815; July 7; Gaz. vol. 135; p. 214.
 Chemicals, Certain. Western Grocer Company. No. 71,174; Nov. 3; Gaz. vol. 137; p. 225.
 Chemicals, Certain. Western Grocer Company. No. 71,268; Nov. 10; Gaz. vol. 137; p. 471.
 Chemicals, Certain. Badische Anilin & Soda Fabrik. No. 71,349; Nov. 17; Gaz. vol. 137; p. 729.
 Chemicals, Certain. Kretol Company. No. 71,360; Nov. 17; Gaz. vol. 137; p. 729.
 Chemicals, Certain. Joseph Williams Co. No. 71,713; Dec. 15; Gaz. vol. 137; p. 1703.
 Chemicals, Certain. Solvay & Cie. No. 72,031; Dec. 29; Gaz. vol. 137; p. 2214.
 Chewing-gum. E. C. De Witt & Company. No. 71,290; Nov. 17; Gaz. vol. 137; p. 727.
 Chiffon cloth. R. Saenger & Co. No. 69,540; June 16; Gaz. vol. 134; p. 1800.
 Chiffons. L. Erstein & Bro. No. 67,947; Feb. 25; Gaz. vol. 132; p. 1833.
 Chili-spice preparation. Gebhardt Chili Powder Co. No. 68,358; Mar. 31; Gaz. vol. 133; p. 1184.
 China, earthenware, &c. Mintons Limited. No. 69,680; June 30; Gaz. vol. 134; p. 2239.
 Chocolate. Société Generale Suisse de Chocolats. No. 67,572; Feb. 11; Gaz. vol. 132; p. 1314.
 Chocolate. Suchard Société Anonyme. Nos. 68,884-6; May 5; Gaz. vol. 134; pp. 251-2.
 Chocolate. H. O. Wilbur & Sons. No. 69,052; May 19; Gaz. vol. 134; p. 769.
 Chocolate and candies. Marquise Chocolate Co. No. 69,068; May 19; Gaz. vol. 134; p. 770.
 Chocolate and candies. W. F. Schrafft & Sons, Corporation. No. 70,540; Sept. 8; Gaz. vol. 136; p. 434.
 Chocolate and candy. Pennsylvania Chocolate Company. No. 69,015; May 12; Gaz. vol. 134; p. 511.
 Chocolate and cocoa. H. O. Wilbur & Sons. No. 69,053; May 19; Gaz. vol. 134; p. 769.
 Chocolate and cocoa. George Liss & Co. No. 69,063; May 19; Gaz. vol. 134; p. 770.
 Chocolate and cocoa. H. O. Wilbur & Sons. No. 69,233; May 26; Gaz. vol. 134; p. 1047.
 Chocolate and cocoa. Staengel & Ziller. Nos. 69,618-19; June 23; Gaz. vol. 134; p. 2025.
 Chocolate creams. J. G. McDonald Candy Company. No. 72,045; Dec. 29; Gaz. vol. 137; p. 2215.
 Chocolate, Milk-. Walter M. Lowney Company. No. 67,724; Feb. 18; Gaz. vol. 132; p. 1580.
 Chocolate, Milk-. "Lucerna" Anglo-Swiss Milk Chocolate Co. No. 70,011; July 21; Gaz. vol. 135; p. 659.

Alphabetical list of trade-marks—Continued.

- Chocolate nougat-bars. Fenn Bros. No. 70,918; Oct. 13; Gaz. vol. 136; p. 1529.
- Chocolates. Touraine Confectionery Co. No. 71,244; Nov. 10; Gaz. vol. 137; p. 470.
- Chocolates. American Candy Co. No. 67,306; Jan. 28; Gaz. vol. 132; p. 837.
- Chocolates. Touraine Confectionery Co. No. 67,559; Feb. 11; Gaz. vol. 132; p. 1313.
- Chocolates. Brenner Candy Co. No. 69,034; May 19; Gaz. vol. 134; p. 769.
- Chocolates. Imperial Chocolates Co. Nos. 69,040-1; May 19; Gaz. vol. 134; p. 769.
- Chocolates. H. D. Foss & Co., Incorporated. No. 71,639; Dec. 8; Gaz. vol. 137; p. 1478.
- Chocolates. Fuller-Greene Company. Nos. 72,040-1; Dec. 29; Gaz. vol. 137; p. 2214.
- Chocolates. J. G. McDonald Candy Company. No. 72,046; Dec. 29; Gaz. vol. 137; p. 2215.
- Chocolates and bonbons. Walter M. Lowney Company. No. 67,723; Feb. 18; Gaz. vol. 132; p. 1580.
- Chocolates and candies. Stuyvesant Chocolate Company. No. 68,757; Apr. 28; Gaz. vol. 133; p. 2174.
- Chocolates and chocolate bonbons. New England Confectionery Co. No. 67,501; Feb. 4; Gaz. vol. 132; p. 1068.
- Chow-chow. S. King. No. 68,230; Mar. 17; Gaz. vol. 133; p. 757.
- Churns. Dairy Queen Churn Company. No. 70,256; Aug. 18; Gaz. vol. 135; p. 1577.
- Chutney. M. Poonjiajee & Sons. No. 70,150; Aug. 4; Gaz. vol. 135; p. 1118.
- Cider, Rock-. C. R. Tolle. No. 67,344; Jan. 28; Gaz. vol. 132; p. 838.
- Cider, vinegar, pickles, and catsup. Leo Cider and Vinegar Co. No. 69,562; June 23; Gaz. vol. 134; p. 2023.
- Cigar and cigarette holders and tobacco-pipes. S. M. Frank. No. 69,761; July 7; Gaz. vol. 135; p. 213.
- Cigarette-paper. Braunstein & Cie. Nos. 67,132-5; Jan. 21; Gaz. vol. 132; p. 673.
- Cigarette-paper. Braunstein & Cie. No. 67,240; Jan. 28; Gaz. vol. 132; p. 835.
- Cigarettes. Philip Morris & Co. Nos. 67,264-6; Jan. 28; Gaz. vol. 132; p. 836.
- Cigarettes. A. M. Wolf. No. 67,803; Feb. 18; Gaz. vol. 132; p. 1582.
- Cigarettes. Ware-Kramer Tobacco Company. Nos. 68,485-6; Apr. 14; Gaz. vol. 133; p. 1673.
- Cigarettes. Philip Morris & Co. Nos. 68,501-4; Apr. 14; Gaz. vol. 133; p. 1674.
- Cigarettes. Philip Morris & Co. No. 68,784; Apr. 28; Gaz. vol. 133; p. 2175.
- Cigarettes. Societe Anonyme Le Khedive. Nos. 68,787-8; Apr. 28; Gaz. vol. 133; p. 2175.
- Cigarettes. J. Melachrinio. No. 69,428; June 16; Gaz. vol. 134; p. 1797.
- Cigarettes. Philip Morris & Co. No. 69,429; June 16; Gaz. vol. 134; p. 1797.
- Cigarettes. Manchester Tobacco Company. No. 70,022; July 21; Gaz. vol. 135; p. 659.
- Cigarettes. Ware-Kramer Tobacco Co. No. 70,709; Sept. 29; Gaz. vol. 136; p. 1063.
- Cigarettes and cigars. D. W. Simmons. No. 67,952; Feb. 25; Gaz. vol. 132; p. 1834.
- Cigarettes, cigars, and tobacco. Maspero Frères. No. 71,303; Nov. 17; Gaz. vol. 137; p. 728.
- Cigarettes, cigars, and tobacco. Maspero Frères. No. 71,493; Nov. 24; Gaz. vol. 137; p. 975.
- Cigarettes, cigars, smoking and chewing tobacco. W. R. Allen. No. 67,773; Feb. 18; Gaz. vol. 132; p. 1581.
- Cigars. Allmens Distilling Company. No. 67,016; Jan. 14; Gaz. vol. 132; p. 461.
- Cigars. M. H. Lipman. Nos. 67,027-8; Jan. 14; Gaz. vol. 132; p. 461.
- Cigars. L. J. Mendez. No. 67,030; Jan. 14; Gaz. vol. 132; p. 461.
- Cigars. J. Moroney. No. 67,242; Jan. 28; Gaz. vol. 132; p. 835.
- Cigars. Vicente Portuondo Company. No. 67,243; Jan. 28; Gaz. vol. 132; p. 835.
- Cigars. Mutual Drug Company. No. 67,263; Jan. 28; Gaz. vol. 132; p. 836.
- Cigars. M. Stanieck. No. 68,196; Mar. 10; Gaz. vol. 133; p. 510.
- Cigars. F. Schwarb. No. 68,257; Mar. 17; Gaz. vol. 133; p. 758.
- Cigars. S. S. Speier. No. 68,509; Apr. 14; Gaz. vol. 133; p. 1674.
- Cigars. W. S. Bare. No. 68,563; Apr. 14; Gaz. vol. 131; p. 1675.
- Cigars. Rodriguez y Hno. No. 68,865; May 5; Gaz. vol. 134; p. 251.
- Cigars. S. S. Pierce Co. No. 68,866; May 5; Gaz. vol. 134; p. 251.
- Cigars. J. W. Roberts & Son. No. 68,877; May 5; Gaz. vol. 134; p. 251.
- Cigars. Rodriguez y Hermano. No. 68,984; May 12; Gaz. vol. 134; p. 510.
- Cigars. Rodriguez y Hno. No. 68,985; May 12; Gaz. vol. 134; p. 510.
- Cigars. A. Rosendahl. No. 69,096; May 19; Gaz. vol. 134; p. 770.
- Cigars. C. C. A. Cigar Company. No. 69,421; June 16; Gaz. vol. 134; p. 1797.
- Cigars. Fromherz-Berlitzheuner Company. No. 69,340; June 9; Gaz. vol. 134; p. 1557.
- Cigars. Havana-American Company. No. 69,342; June 9; Gaz. vol. 134; p. 1557.
- Cigars. Rodriguez y Hermano. Nos. 69,431-2; June 16; Gaz. vol. 134; p. 1797.
- Cigars. F. Bebbler. No. 69,602; June 23; Gaz. vol. 134; p. 2024.
- Cigars. C. Grande. No. 70,016; July 21; Gaz. vol. 135; p. 659.
- Cigars. New Illinois Athletic Club. No. 70,023; July 21; Gaz. vol. 135; p. 659.
- Cigars. J. C. R. Dumke. No. 70,074; July 28; Gaz. vol. 135; p. 890.
- Cigars. Steele Wedeles Co. No. 70,233; Aug. 11; Gaz. vol. 135; p. 1358.
- Cigars. Theobald & Oppenheimer Co. No. 70,310; Aug. 18; Gaz. vol. 135; p. 1578.
- Cigars. Jones Dry Goods Co. No. 70,397; Aug. 25; Gaz. vol. 135; p. 1799.
- Cigars. Bay State Cigar Company. No. 70,594; Sept. 15; Gaz. vol. 136; p. 654.
- Cigars. Smetzer Cigar & Tobacco Company. No. 70,708; Sept. 29; Gaz. vol. 136; p. 1063.
- Cigars. C. W. Barnes Inc. No. 70,783; Oct. 6; Gaz. vol. 136; p. 1293.
- Cigars. T. Fischer. No. 70,788; Oct. 6; Gaz. vol. 136; p. 1293.
- Cigars. Merchants Cigar Company. No. 70,799; Oct. 6; Gaz. vol. 136; p. 1293.
- Cigars. F. H. Powell. No. 70,800; Oct. 6; Gaz. vol. 136; p. 1293.
- Cigars. A. H. Sprung. No. 70,917; Oct. 13; Gaz. vol. 136; p. 1529.
- Cigars. Compania General de Tabacos de Filipinas. No. 71,285; Nov. 17; Gaz. vol. 137; p. 727.
- Cigars. P. Alvarez & Ca. No. 71,494; Nov. 24; Gaz. vol. 137; p. 975.
- Cigars. Deisel-Wemmer Company. No. 71,222; Nov. 10; Gaz. vol. 137; p. 470.
- Cigars. F. Garcia & Bros. Nos. 71,225-9; Nov. 10; Gaz. vol. 137; p. 470.
- Cigars. Jamaica Tobacco Company. No. 71,232; Nov. 10; Gaz. vol. 137; p. 470.
- Cigars. Pavón Alvarez & Co. Nos. 71,609-11; Dec. 8; Gaz. vol. 137; p. 1477.
- Cigars. J. R. Riggles. No. 71,819; Dec. 15; Gaz. vol. 137; p. 1706.
- Cigars. Santiago, Umpierre & Co. No. 71,820; Dec. 15; Gaz. vol. 137; p. 1706.
- Cigars. A. Sendelbach. No. 71,821; Dec. 15; Gaz. vol. 137; p. 1706.
- Cigars and cheroots. Gordon Cigar and Cheroot Company. No. 68,614; Apr. 21; Gaz. vol. 133; p. 1930.
- Cigars and cigarettes. Falk Tobacco Company. No. 66,983; Jan. 7; Gaz. vol. 132; p. 227.
- Cigars and cigarettes. J. I. Mullen. No. 70,000; July 21; Gaz. vol. 135; p. 659.
- Cigars, cheroots, and cigarettes. Cayey-Caguas Tobacco Company. Nos. 70,966-73; Oct. 20; Gaz. vol. 136; p. 1764.
- Cigars, cheroots, and cigarettes. Cayey-Caguas Tobacco Company. No. 71,490; Nov. 24; Gaz. vol. 137; p. 974.
- Cigars, cheroots, and cigarettes. Cayey-Caguas Tobacco Company. Nos. 71,546-7; Dec. 1; Gaz. vol. 137; p. 1232.
- Cigars, cheroots, and cigarettes. Cayey-Caguas Tobacco Company. No. 71,801; Dec. 15; Gaz. vol. 137; p. 1705.
- Cigars, cheroots, and cigarettes. Cayey-Caguas Tobacco Company. No. 71,906; Dec. 22; Gaz. vol. 137; p. 1934.
- Cigars, cheroots, and little cigars. Heineman Brothers. No. 67,763; Feb. 18; Gaz. vol. 132; p. 1581.
- Cigars, cheroots, and little cigars. A. J. Forman. No. 68,474; Apr. 14; Gaz. vol. 133; p. 1673.
- Cigars, cheroots, and little cigars. M. Stachelberg & Co. No. 69,999; July 21; Gaz. vol. 135; p. 659.
- Cigars, cheroots, and little cigars. Mendel & Company. No. 70,399; Aug. 25; Gaz. vol. 135; p. 1799.
- Cigars, cheroots, and little cigars. H. Burger. No. 70,699; Sept. 29; Gaz. vol. 136; p. 1063.
- Cigars, cheroots, and stogies. F. M. Hunt. No. 71,231; Nov. 10; Gaz. vol. 137; p. 470.
- Cigars, cigarettes, and smoking-tobacco. Leavitt & Peirce. No. 69,668; June 30; Gaz. vol. 134; p. 2239.
- Cigars, cigarettes, and tobacco. Maspero Frères. Nos. 67,260-1; Jan. 28; Gaz. vol. 132; p. 836.
- Clams, Minced. Quinault Canning Company. No. 72,074; Dec. 29; Gaz. vol. 137; p. 2215.
- Cleaners and polishes. Certain. A. J. Welch. No. 68,403; Apr. 7; Gaz. vol. 133; p. 1429.
- Cleaning and polishing composition. Cheney Chemical Company. No. 70,502; Sept. 8; Gaz. vol. 136; p. 433.
- Cleaning and polishing composition, Abrasive. G. W. Sample. No. 70,438; Sept. 1; Gaz. vol. 136; p. 221.
- Cleaning and polishing powder. J. H. Beams, Jr. No. 70,544; Sept. 15; Gaz. vol. 136; p. 653.
- Cleaning and polishing. Preparations for. W. F. Blaine. No. 71,500; Dec. 1; Gaz. vol. 137; p. 1231.
- Cleaning and renovating apparatus and parts thereof. Electric Renovator Manufacturing Company. No. 71,375; Nov. 24; Gaz. vol. 137; p. 971.
- Cleaning apparatus. Vacuum. Blackall and Baldwin Company. No. 71,043; Oct. 27; Gaz. vol. 136; p. 1996.
- Cleaning compound. Chicago Wood Finishing Co. No. 70,247; Aug. 18; Gaz. vol. 135; p. 1577.

Alphabetical list of trade-marks—Continued.

- Cleaning compound. G. M. Buskey. No. 70,545; Sept. 15; Gaz. vol. 136; p. 653.
 Cleaning compounds, soaps, and metal-polishes. F. Condé. No. 70,341; Aug. 25; Gaz. vol. 135; p. 1797.
 Cleaning paste, Garment-. S. Becker. No. 70,784; Oct. 6; Gaz. vol. 136; p. 1293.
 Cleaning preparation, Clothes-. D. Kuhn. No. 71,876; Dec. 22; Gaz. vol. 137; p. 1933.
 Cleaning preparation, Powdered detergent hand-. E. Atwell. No. 70,143; Aug. 4; Gaz. vol. 135; p. 1117.
 Cleanser and dirt-remover, Detergent. W. A. Connelly. No. 70,047; July 28; Gaz. vol. 135; p. 889.
 Cleansing, sterilizing, and purifying fluid. Dehls & Stein. No. 68,437; Apr. 7; Gaz. vol. 133; p. 1430.
 Cloaks and suits. E. J. Wile & Co. No. 68,974; May 12; Gaz. vol. 134; p. 510.
 Cloaks, fur sacks, collars, and muffs. Zaidenberg & Michaelis. No. 70,563; Sept. 15; Gaz. vol. 136; p. 653.
 Clocks. Ashcroft Manufacturing Company. No. 68,180; Mar. 10; Gaz. vol. 133; p. 509.
 Clocks. Seth Thomas Clock Company. No. 68,894; May 5; Gaz. vol. 134; p. 252.
 Clocks. American Cuckoo Clock Company. No. 70,649; Sept. 22; Gaz. vol. 136; p. 843.
 Clocks and dials therefor. Newman Clock Company. No. 68,397; Apr. 7; Gaz. vol. 133; p. 1429.
 Clocks and watches. J. J. Elliott and Sons. No. 71,945; Dec. 22; Gaz. vol. 137; p. 1935.
 Cloth dress goods. T. Salfner. No. 70,192; Aug. 11; Gaz. vol. 135; p. 1357.
 Cloth, leather, and rubber shoes. National Shoemakers. No. 71,832; Dec. 15; Gaz. vol. 137; p. 1706.
 Cloth, rubber, and leather shoes. National Shoemakers. Nos. 71,450-1; Nov. 24; Gaz. vol. 137; p. 973.
 Cloths of wool, worsted, or hair. H. Longbottom. No. 72,003; Dec. 29; Gaz. vol. 137; p. 2213.
 Cloths, Tweed. Wilson and Glenn. No. 71,569; Dec. 1; Gaz. vol. 137; p. 1233.
 Clothes-props, ironing-boards, and washbenches. Samuel Cupples Wooden Ware Company. No. 70,801; Oct. 6; Gaz. vol. 136; p. 1293.
 Clothing, Certain. M. M. Schwarcz & Co. No. 67,101; Jan. 14; Gaz. vol. 132; p. 463.
 Clothing, Certain. Printz Biederman Co. No. 67,103; Jan. 14; Gaz. vol. 132; p. 463.
 Clothing, Certain. Scandinavian Fur & Leather Co. No. 67,197; Jan. 21; Gaz. vol. 132; p. 674.
 Clothing, Certain. Isaacs Brothers. No. 67,234; Jan. 28; Gaz. vol. 132; p. 835.
 Clothing, Certain. Cravenette Company. No. 67,709; Feb. 18; Gaz. vol. 132; p. 1579.
 Clothing, Certain. E. Kory Co. No. 67,712; Feb. 18; Gaz. vol. 132; p. 1579.
 Clothing, Certain. Joseph & Feiss Co. No. 67,717; Feb. 18; Gaz. vol. 132; p. 1579.
 Clothing, Certain. Mona Manufacturing Co. No. 67,720; Feb. 18; Gaz. vol. 132; p. 1579.
 Clothing, Certain. Barth & Myer. No. 67,926; Feb. 25; Gaz. vol. 132; p. 1833.
 Clothing, Certain. W. A. Kraemer. No. 67,936; Feb. 25; Gaz. vol. 132; p. 1833.
 Clothing, Certain. Frohsin & Kelly. No. 68,239; Mar. 17; Gaz. vol. 133; p. 758.
 Clothing, Certain. Levi Strauss & Co. No. 68,245; Mar. 17; Gaz. vol. 133; p. 758.
 Clothing, Certain. Herman Brothers Company. No. 68,255; Mar. 17; Gaz. vol. 133; p. 758.
 Clothing, Certain. United Shirt and Collar Company. No. 68,460; Apr. 7; Gaz. vol. 133; p. 1431.
 Clothing, Certain. S. Sternberger & Co. Nos. 68,560-1; Apr. 14; Gaz. vol. 133; p. 1675.
 Clothing, Certain. Levi Strauss & Co. No. 68,673; Apr. 21; Gaz. vol. 133; p. 1931.
 Clothing, Certain. Daimler-Motoren-Gesellschaft. No. 68,842; Apr. 28; Gaz. vol. 133; p. 2176.
 Clothing, Certain. Conhaim & Co. No. 69,085; May 19; Gaz. vol. 134; p. 770.
 Clothing, Certain. Adler & Ast. No. 69,195; May 26; Gaz. vol. 134; p. 1046.
 Clothing, Certain. Dr. Jaeger's Sanitary Woolen System Co. Nos. 69,200-1; May 26; Gaz. vol. 134; p. 1046.
 Clothing, Certain. Alsberg, Moritz and Lave. No. 69,655; June 23; Gaz. vol. 134; p. 2025.
 Clothing, Certain. French Novelty Co. No. 69,534; June 16; Gaz. vol. 134; p. 1800.
 Clothing, Certain. J. R. Keiser. No. 70,536; Sept. 8; Gaz. vol. 136; p. 434.
 Clothing, Certain. Lebanon Mill Co. No. 71,529; Dec. 1; Gaz. vol. 137; p. 1232.
 Clothing, Certain. Southern Manufacturing Co. No. 71,858; Dec. 15; Gaz. vol. 137; p. 1707.
 Clothing, Certain. Prentz Biederman Co. No. 72,073; Dec. 29; Gaz. vol. 137; p. 2215.
 Clothing, Oiled. A. J. Tower Company. No. 70,090; July 28; Gaz. vol. 135; p. 890.
 Clover, grass, millet, and mixed seeds. D. I. Bushnell & Co. No. 71,619; Dec. 8; Gaz. vol. 137; p. 1477.
 Coal. Peabody Coal Company. No. 68,020; Mar. 3; Gaz. vol. 133; p. 224.
 Coal. Berwind White Coal Mining Company. No. 68,284; Mar. 24; Gaz. vol. 133; p. 987.
 Coal. St. Louis, Rocky Mountain & Pacific Company. No. 68,714; Apr. 28; Gaz. vol. 133; p. 2173.
 Coal. Pittsburgh-Buffalo Company. No. 69,189; May 26; Gaz. vol. 134; p. 1045.
 Coal. H. W. Finch. No. 69,382; June 9; Gaz. vol. 134; p. 1558.
 Coal. Campbell's Creek Coal Company. No. 70,045; July 28; Gaz. vol. 135; p. 889.
 Coal. Cabin Creek Consolidated Coal Company. No. 70,046; July 28; Gaz. vol. 135; p. 889.
 Coal. Winifrede Coal Company. No. 70,064; July 28; Gaz. vol. 135; p. 890.
 Coal. Elmore-Fort Company. No. 70,343; Aug. 25; Gaz. vol. 135; p. 1797.
 Coal. New York Coal Company. No. 71,512; Dec. 1; Gaz. vol. 137; p. 1231.
 Coal and coke. St. Louis, Rocky Mountain & Pacific Company. No. 68,713; Apr. 28; Gaz. vol. 133; p. 2173.
 Coal, Anthracite and bituminous. Pennsylvania Coal & Supply Company. No. 70,054; July 28; Gaz. vol. 135; p. 889.
 Coal, Bituminous. J. W. Dawson. No. 67,542; Feb. 11; Gaz. vol. 132; p. 1313.
 Coal cutting or mining machines, Bits, links, chains, &c., for. Morgan-Gardner Electric Company. No. 69,347; June 9; Gaz. vol. 134; p. 1557.
 Coal, Semibituminous. Chesapeake & Ohio Coal & Coke Company. No. 71,706; Dec. 15; Gaz. vol. 137; p. 1703.
 Coal, Splint. North-East Coal Company. No. 70,179; Aug. 11; Gaz. vol. 135; p. 1357.
 Coaster, Wheel-. Brownell Specialty Mfg. Co. No. 69,865; July 14; Gaz. vol. 135; p. 445.
 Coats. George W. Davis Company. No. 71,184; Nov. 10; Gaz. vol. 137; p. 469.
 Coats. Steefel, Strauss & Connor. Nos. 71,195-6; Nov. 10; Gaz. vol. 137; p. 469.
 Coats and wraps, Ladies' and messes'. W. Fischman. No. 71,997; Dec. 29; Gaz. vol. 137; p. 2213.
 Coats, overcoats, pants, and vests. S. Fein Brothers & Company. No. 69,367; June 9; Gaz. vol. 134; p. 1558.
 Coats, overcoats, vests, and trousers. S. Abraham. No. 70,091; July 28; Gaz. vol. 135; p. 890.
 Coats, vests, pants, and overcoats. H. M. Lindenthal and Sons. No. 68,051; Mar. 3; Gaz. vol. 133; p. 225.
 Coats, vests, trousers, and overcoats. Friend & Marks. No. 67,183; Jan. 21; Gaz. vol. 132; p. 674.
 Coats, vests, trousers, and overcoats. J. Cohen Son & Co. No. 67,930; Feb. 25; Gaz. vol. 132; p. 1833.
 Coats, vests, trousers, and overcoats. Kuh, Nathan and Fischer Company. No. 68,349; Mar. 31; Gaz. vol. 133; p. 1184.
 Coats, vests, trousers, overcoats, collars and cuffs, gloves, and hats. Brokaw Bro's. No. 70,194; Aug. 11; Gaz. vol. 135; p. 1357.
 Cocks. Ohio Brass and Iron Manufacturing Company. No. 70,664; Sept. 22; Gaz. vol. 136; p. 843.
 Cocks, valves, and hose-couplings. Pioneer Brass Works. No. 72,008; Dec. 29; Gaz. vol. 137; p. 2213.
 Cocks, valves, faucets, and strainers. Homer Brass Works. No. 68,096; Mar. 10; Gaz. vol. 133; p. 507.
 Cocktails. Cook & Bernheimer Co. No. 67,955; Feb. 25; Gaz. vol. 132; p. 1834.
 Cocktails. Cook & Bernheimer Co. No. 68,159; Mar. 10; Gaz. vol. 133; p. 509.
 Cocktails. G. Stiegler & Co. No. 70,212; Aug. 11; Gaz. vol. 135; p. 1358.
 Cocoa. H. Mailard. No. 67,320; Jan. 28; Gaz. vol. 132; p. 837.
 Cocoa and chocolate. Cadbury Brothers. No. 67,928; Feb. 25; Gaz. vol. 132; p. 1833.
 Coconut, Desiccated. Orient Company. No. 71,901; Dec. 22; Gaz. vol. 137; p. 1934.
 Codfish, Boneless. Lord Brothers Company. No. 67,553; Feb. 11; Gaz. vol. 132; p. 1313.
 Coffee. W. W. Harper Co. No. 67,065; Jan. 14; Gaz. vol. 132; p. 462.
 Coffee. J. S. Elliott. No. 67,549; Feb. 11; Gaz. vol. 132; p. 1313.
 Coffee. Black Hawk Coffee & Spice Company. Nos. 67,561-2; Feb. 11; Gaz. vol. 132; p. 1313.
 Coffee. Climax Coffee & Baking Powder Company. No. 67,563; Feb. 11; Gaz. vol. 132; p. 1313.
 Coffee. W. W. Harper Co. No. 67,925; Feb. 25; Gaz. vol. 132; p. 1833.
 Coffee. W. A. Jenkinson & Co. No. 67,999; Mar. 3; Gaz. vol. 133; p. 224.
 Coffee. J. A. Folger & Company. No. 68,138; Mar. 10; Gaz. vol. 133; p. 508.
 Coffee. Seven Day Coffee Company. No. 68,429; Apr. 7; Gaz. vol. 133; p. 1430.
 Coffee. Arnold & Aborn. No. 68,488; Apr. 14; Gaz. vol. 133; p. 1673.
 Coffee. Arbuckle Brothers. No. 69,006; May 12; Gaz. vol. 134; p. 511.
 Coffee. Seven Day Coffee Company. No. 69,018; May 12; Gaz. vol. 134; p. 511.
 Coffee. Meyer Brothers Coffee and Spice Company. Nos. 69,047-50; May 19; Gaz. vol. 134; p. 769.
 Coffee. C. H. Conrad. No. 69,060; May 19; Gaz. vol. 134; p. 769.
 Coffee. National Grocer Company. No. 69,186; May 26; Gaz. vol. 134; p. 1045.
 Coffee. German-American Coffee Co. No. 69,604; June 23; Gaz. vol. 134; p. 2024.
 Coffee. Meyer Brothers Coffee and Spice Company. No. 69,689; June 30; Gaz. vol. 134; p. 2240.
 Coffee. H. R. Hall Company. No. 69,997; July 21; Gaz. vol. 135; p. 659.

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- Coffee. Vogel Bros. & Co. No. 70,276; Aug. 18; Gaz. vol. 135; p. 1578.
 Coffee. Reliable Tea Co. No. 70,420; Aug. 25; Gaz. vol. 135; p. 1799.
 Coffee. A. J. Kasper Company. No. 70,979; Oct. 20; Gaz. vol. 136; p. 1764.
 Coffee. Roanoke Coffee & Spice Co. No. 71,168; Nov. 3; Gaz. vol. 137; p. 225.
 Coffee. Hills Bros. No. 71,581; Dec. 1; Gaz. vol. 137; p. 1233.
 Coffee. Oakford & Falmestock. No. 71,789; Dec. 15; Gaz. vol. 137; p. 1705.
 Coffee. Cheek-Neal Coffee Co. No. 71,889; Dec. 22; Gaz. vol. 137; p. 1933.
 Coffee and chicory. Compound of. Importers Coffee Co. No. 70,163; Aug. 4; Gaz. vol. 135; p. 1118.
 Coffee and tea. J. H. Allen & Company. No. 67,185; Jan. 21; Gaz. vol. 132; p. 674.
 Coffee and tea. George Liss & Co. No. 67,550; Feb. 11; Gaz. vol. 132; p. 1313.
 Coffee and tea. R. W. Weir & Company. No. 67,574; Feb. 11; Gaz. vol. 132; p. 1314.
 Coffee and tea. Shapleigh Coffee Company. No. 68,015; Mar. 3; Gaz. vol. 133; p. 224.
 Coffee and tea. Shapleigh Coffee Company. Nos. 68,023-4; Mar. 3; Gaz. vol. 133; p. 224.
 Coffee and tea. Shapleigh Coffee Company. No. 68,037; Mar. 3; Gaz. vol. 133; p. 225.
 Coffee and tea. McCord Brady Co. No. 68,151; Mar. 10; Gaz. vol. 133; p. 509.
 Coffee and tea. Ridenour-Baker Grocery Co. No. 68,876; May 5; Gaz. vol. 134; p. 251.
 Coffee and tea. German American Coffee Co. No. 69,603; June 23; Gaz. vol. 134; p. 2024.
 Coffee and tea. Crocker Grocery Company. No. 69,700; June 30; Gaz. vol. 134; p. 2240.
 Coffees and teas. Dannemiller Coffee Co. No. 67,548; Feb. 11; Gaz. vol. 132; p. 1313.
 Coffee, Blend of Java and Mocha. S. Hamill Company. No. 71,214; Nov. 10; Gaz. vol. 137; p. 470.
 Coffee, Blended. Aroma Coffee Company. No. 71,370; Nov. 24; Gaz. vol. 137; p. 971.
 Coffee, Blended. R. C. Williams & Co. No. 71,418; Nov. 24; Gaz. vol. 137; p. 972.
 Coffee, Blended. Woolson Spice Company. No. 72,077; Dec. 29; Gaz. vol. 137; p. 2215.
 Coffee, Preparation to improve the color, aroma, and flavor of. Pfeiffer & Diller G. m. b. H. No. 68,656; Apr. 21; Gaz. vol. 133; p. 1931.
 Coffee, Roasted. D. H. Hoffman. No. 66,925; Jan. 7; Gaz. vol. 132; p. 226.
 Coffee, Roasted. E. J. Gillies & Co. No. 68,763; Apr. 28; Gaz. vol. 133; p. 2174.
 Coffee, Roasted and ground. D. H. Hoffman. No. 66,926; Jan. 7; Gaz. vol. 132; p. 226.
 Coffee, Roasted and ground. Tennessee Coffee Company. Nos. 69,193-4; May 26; Gaz. vol. 134; p. 1045.
 Coffee, Roasted and ground. Tennessee Coffee Company. Nos. 70,070-1; July 28; Gaz. vol. 135; p. 890.
 Coffee substitute and chicory. E. Seelig A.-G. No. 67,931; Feb. 25; Gaz. vol. 132; p. 1833.
 Coffee, tea, spices, and flavoring extracts. Roth-Homeyer Coffee Co. No. 69,190; May 26; Gaz. vol. 134; p. 1045.
 Coffee, tea, spices, pepper, and mustard. O'Donohue Coffee Company. No. 71,534; Dec. 1; Gaz. vol. 137; p. 1232.
 Coffee with milk. Nestlé & Anglo-Swiss Condensed Milk Co. No. 67,164; Jan. 21; Gaz. vol. 132; p. 674.
 Coffees. Norton & Curd Coffee Co. No. 67,055; Jan. 14; Gaz. vol. 132; p. 462.
 Coffees. W. McMurray. No. 72,028; Dec. 29; Gaz. vol. 137; p. 2214.
 Coffees, teas, and spices. W. T. Bass & Co. No. 68,413; Apr. 7; Gaz. vol. 133; p. 1430.
 Cognac and cordials. Carmel Wine Company. Nos. 68,299-300; Mar. 24; Gaz. vol. 133; p. 987.
 Cognacs and cordials. Carmel Wine Company. Nos. 67,823-4; Feb. 18; Gaz. vol. 132; p. 1582.
 Cognacs and cordials. Carmel Wine Company. No. 68,264; Mar. 17; Gaz. vol. 133; p. 758.
 Coils, Choko-. L. O. Langworthy. No. 67,591; Feb. 11; Gaz. vol. 132; p. 1314.
 Coils, Reactance-. F. Meyer & Co. No. 69,832; July 7; Gaz. vol. 135; p. 215.
 Coke. St. Louis, Rocky Mountain & Pacific Company. No. 68,715; Apr. 28; Gaz. vol. 133; p. 2173.
 Colanders and spoons, iron, steel, and brass. H. L. McCoy. No. 71,530; Dec. 1; Gaz. vol. 137; p. 1232.
 Cold-creams and pomades containing wool-suint. Vereinigte Chemische Werke Aktiengesellschaft. No. 71,914; Dec. 22; Gaz. vol. 137; p. 1934.
 Collar stiffeners or supporters. A. S. Edwards. No. 70,131; Aug. 4; Gaz. vol. 135; p. 1117.
 Collar-supporters. Schloss-Speier Co. No. 70,674; Sept. 22; Gaz. vol. 136; p. 844.
 Collars. Hall, Hartwell & Company. Nos. 71,442-3; Nov. 24; Gaz. vol. 137; p. 973.
 Collars and cuffs. W. Heymann. No. 68,063; Mar. 3; Gaz. vol. 133; p. 225.
 Collars and cuffs. Hall, Hartwell & Co. No. 71,021; Oct. 27; Gaz. vol. 136; p. 1995.
 Collars and cuffs, Waterproof. Capital Collar & Cuff Co. No. 68,841; Apr. 28; Gaz. vol. 133; p. 2176.
 Collars made of textile fabric. Square Wear Collar Co. No. 71,691; Dec. 8; Gaz. vol. 137; p. 1479.
 Collars, Textile. J. S. Harris. No. 67,716; Feb. 18; Gaz. vol. 132; p. 1579.
 Colloidal silver. Heyden Chemical Works. No. 69,134; May 19; Gaz. vol. 134; p. 771.
 Color stripping or discharging preparation. Rainbow Dye Co. No. 71,928; Dec. 22; Gaz. vol. 137; p. 1934.
 Coloring materials, Anilin. Schoellkopf, Hartford & Hanna Company. No. 71,242; Nov. 10; Gaz. vol. 137; p. 470.
 Combs and hair ornaments. Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft. No. 68,517; Apr. 14; Gaz. vol. 133; p. 1674.
 Combs, Hair-. Pacific Novelty Company. No. 67,676; Feb. 11; Gaz. vol. 132; p. 1316.
 Combs, Ladies' ornamented. Austin-Walker Company. No. 70,457; Sept. 1; Gaz. vol. 136; p. 222.
 Combs made of pyroxylin and metal. Pacific Novelty Company. No. 69,412; June 9; Gaz. vol. 134; p. 1559.
 Comforts. Chas. A. Maish Co. No. 67,286; Jan. 28; Gaz. vol. 132; p. 836.
 Commutator-polish. J. Goldmark. Nos. 69,866-7; July 14; Gaz. vol. 135; p. 445.
 Composition, Certain. B. Friedlaender. No. 70,119; Aug. 4; Gaz. vol. 135; p. 1117.
 Compound, Certain. J. Ellmore. No. 70,344; Aug. 25; Gaz. vol. 135; p. 1797.
 Compresses, Certain. Philadelphia Drying Machinery Company. No. 67,853; Feb. 25; Gaz. vol. 132; p. 1831.
 Concrete and cement work and composition. Hassam Paving Company. No. 69,702; June 30; Gaz. vol. 134; p. 2240.
 Concrete flooring. C. Clemente. Apr. 14; Gaz. vol. 133; p. 1673.
 Concrete pavements. R. S. Blome Company. No. 71,863; Dec. 15; Gaz. vol. 137; p. 1707.
 Condensers, Steam-. Alberger Condenser Company. Nos. 66,944-5; Jan. 7; Gaz. vol. 132; p. 226.
 Condition-powder for horses, cattle, sheep, and swine. G. C. Hanford Manufacturing Co. No. 66,904; Jan. 7; Gaz. vol. 132; p. 225.
 Conductors, Armored. Sprague Electric Company. No. 68,936; May 5; Gaz. vol. 134; p. 253.
 Conduits, Fiber. Fibre Conduit Company. No. 69,165; May 26; Gaz. vol. 134; p. 1045.
 Confection, Certain. Pe Co Pop Co. of Baltimore City. No. 69,710; June 30; Gaz. vol. 134; p. 2240.
 Cookers, Fireless. J. W. Miller Company. No. 71,699; Dec. 8; Gaz. vol. 137; p. 1479.
 Cookies. New England Biscuit Co. No. 69,469; June 16; Gaz. vol. 134; p. 1798.
 Cooking apparatus, Fireless. United States Fireless Cooker Company. No. 71,519; Dec. 1; Gaz. vol. 137; p. 1231.
 Cooking, kitchen, and household utensils. B. Fürst. No. 69,995; July 21; Gaz. vol. 135; p. 659.
 Cooking utensils and washing and drinking vessels, Enameled. Strong-Battelle Manufacturing Company. No. 70,582; Sept. 15; Gaz. vol. 136; p. 654.
 Copper and brass sheets and wire. Michigan Copper and Brass Co. No. 68,481; Apr. 14; Gaz. vol. 133; p. 1673.
 Copper sulfate. Mond Nickel Company. No. 67,694; Feb. 18; Gaz. vol. 132; p. 1579.
 Cordage, Certain. Planters Manufacturing Co. No. 69,950; July 21; Gaz. vol. 135; p. 657.
 Cordial. L. Pelosi. No. 67,957; Feb. 25; Gaz. vol. 132; p. 1334.
 Cordial, Lime-juice. Evans Sons Lescher & Webb. No. 70,689; Sept. 22; Gaz. vol. 136; p. 844.
 Cordial, Mint. Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie. No. 68,657; Apr. 21; Gaz. vol. 133; p. 1931.
 Cordials. G. Aquino. No. 70,722; Sept. 29; Gaz. vol. 136; p. 1063.
 Cords, Certain. Samson Cordage Works. No. 69,555; June 23; Gaz. vol. 134; p. 2023.
 Cords or twisted strips, Certain. R. Kron. No. 69,308; June 2; Gaz. vol. 134; p. 1294.
 Corn-remover. G. W. Schindler. No. 70,153; Aug. 4; Gaz. vol. 135; p. 1118.
 Corn-starch. National Starch Company. No. 69,254; June 2; Gaz. vol. 134; p. 1293.
 Corn-starch. National Starch Co. No. 71,550; Dec. 1; Gaz. vol. 137; p. 1232.
 Corn-starch. National Starch Company. No. 71,788; Dec. 15; Gaz. vol. 137; p. 1705.
 Cornmeal. Dahnke-Walker Milling Co. No. 69,355; June 9; Gaz. vol. 134; p. 1558.
 Cornmeal. American Hominy Company. Nos. 70,685-6; Sept. 22; Gaz. vol. 136; p. 844.
 Cornmeal and corn-grits. Kemper Mill & Elevator Co. No. 70,627; Sept. 15; Gaz. vol. 136; p. 655.
 Corset-stays. International Corset Company. No. 67,296; Jan. 28; Gaz. vol. 132; p. 837.
 Corset-stiffeners. Royal Worcester Corset Co. No. 72,009; Dec. 29; Gaz. vol. 137; p. 2213.
 Corsets. J. Newman & Sons. Nos. 67,189-90; Jan. 21; Gaz. vol. 132; p. 674.
 Corsets. Manufactures Royales de Corsets P. D. (Société Anonyme). Nos. 68,171-2; Mar. 10; Gaz. vol. 133; p. 509.
 Corsets. R. & G. Corset Company. No. 68,193; Mar. 10; Gaz. vol. 133; p. 510.
 Corsets. Kops Bros. Nos. 68,454-5; Apr. 7; Gaz. vol. 133; p. 1431.
 Corsets. Weingarten Bros. No. 68,461; Apr. 7; Gaz. vol. 133; p. 1431.

Alphabetical list of trade-marks—Continued.

- Corsets. H. H. Treffer. No. 69,089; May 19; Gaz. vol. 134; p. 770.
 Corsets. Aurora Corset Company. No. 69,314; June 2; Gaz. vol. 134; p. 1294.
 Corsets. Crown Corset Company. Nos. 69,317-18; June 2; Gaz. vol. 134; p. 1295.
 Corsets. Mme. Irène. No. 69,732; June 30; Gaz. vol. 134; p. 2241.
 Corsets. J. Margaine-Lacroix. No. 69,818; July 7; Gaz. vol. 135; p. 214.
 Corsets. J. Garfinkle. No. 70,100; July 28; Gaz. vol. 135; p. 890.
 Corsets. International Corset Co. No. 70,134; Aug. 4; Gaz. vol. 135; p. 1117.
 Corsets. Madame Irène. Nos. 70,135-6; Aug. 4; Gaz. vol. 135; p. 1117.
 Corsets. Wright Formette Co. No. 70,778; Sept. 29; Gaz. vol. 136; p. 1065.
 Corsets. Sanger Bros. No. 72,010; Dec. 29; Gaz. vol. 137; p. 2214.
 Corsets and corselets. J. V. Margaine-Lacroix. No. 68,552; Apr. 14; Gaz. vol. 133; p. 1675.
 Corsets, Ladies'. J. Wanamaker. No. 67,944; Feb. 25; Gaz. vol. 132; p. 1833.
 Cosmetic preparations. A. Mistig. No. 67,973; Mar. 3; Gaz. vol. 133; p. 223.
 Cotton and linen canvas used for garment-facings. Friedman & Krieger. No. 71,293; Nov. 17; Gaz. vol. 137; p. 727.
 Cotton-batting. Walker & Harp Mfg. Co. No. 69,126; May 19; Gaz. vol. 134; p. 771.
 Cotton cloth. J. Q. Gant. No. 69,884; July 14; Gaz. vol. 135; p. 446.
 Cotton diaper-cloth. J. L. Wilson & Co. No. 67,750; Feb. 18; Gaz. vol. 132; p. 1580.
 Cotton dress goods. L. Hess & Co. No. 70,762; Sept. 29; Gaz. vol. 136; p. 1064.
 Cotton duck. Mount Vernon-Woodberry Cotton Duck Company. No. 68,575; Apr. 14; Gaz. vol. 133; p. 1676.
 Cotton duck. John Boyle & Co. No. 70,412; Aug. 25; Gaz. vol. 135; p. 1799.
 Cotton ducks, drillings, and sheetings. J. Spencer Turner Co. No. 69,153; May 19; Gaz. vol. 134; p. 772.
 Cotton ducks, drillings, and sheetings. J. Spencer Turner Co. No. 71,052; Oct. 27; Gaz. vol. 136; p. 1996.
 Cotton fabric, Waterproofed. Federal Waterproofing Co. No. 67,292; Jan. 28; Gaz. vol. 132; p. 836.
 Cotton fabrics. Heller & Long. No. 70,533; Sept. 8; Gaz. vol. 136; p. 434.
 Cotton fabrics, Rep. S. Guggenheimer, Rosenberg & Co. No. 71,689; Dec. 8; Gaz. vol. 137; p. 1479.
 Cotton goods, Bleached. Deering, Milliken & Co. Nos. 70,876-7; Oct. 13; Gaz. vol. 136; p. 1528.
 Cotton goods, Certain. China & Japan Trading Company. Nos. 71,127-8; Nov. 3; Gaz. vol. 137; p. 224.
 Cotton goods in the piece, Bleached. Deering, Milliken & Co. Nos. 71,958-61; Dec. 22; Gaz. vol. 137; p. 1935.
 Cotton, linen, wool, and silk piece goods. Perling Bros. & Milner. No. 70,292; Aug. 18; Gaz. vol. 135; p. 1578.
 Cotton on spools or reels, Sewing-. James Chadwick & Brother. No. 71,926; Dec. 22; Gaz. vol. 137; p. 1934.
 Cotton piece goods. Boott Mills. Nos. 67,067-9; Jan. 14; Gaz. vol. 132; p. 462.
 Cotton piece goods. Tilton & Keeler. No. 67,084; Jan. 14; Gaz. vol. 132; p. 463.
 Cotton piece goods. Smith, Hogg & Co. Nos. 67,075-80; Jan. 14; Gaz. vol. 132; p. 463.
 Cotton piece goods. Boott Mills. Nos. 67,173-5; Jan. 21; Gaz. vol. 132; p. 674.
 Cotton piece goods. Boott Mills. Nos. 67,284-5; Jan. 28; Gaz. vol. 132; p. 836.
 Cotton piece goods. Garner & Co. Nos. 67,293-4; Jan. 28; Gaz. vol. 132; p. 836.
 Cotton piece goods. G. Willis & Co. Nos. 68,305-8; Mar. 24; Gaz. vol. 133; p. 987.
 Cotton piece goods. Pepperell Manufacturing Co. Nos. 68,697-701; Apr. 21; Gaz. vol. 133; p. 1932.
 Cotton piece goods. J. H. Meyer. No. 70,189; Aug. 11; Gaz. vol. 135; p. 1357.
 Cotton piece goods. Murphy Grant & Co. No. 70,190; Aug. 11; Gaz. vol. 135; p. 1357.
 Cotton piece goods. Richard Haworth and Company Limited. No. 70,631; Sept. 15; Gaz. vol. 136; p. 655.
 Cotton piece goods. Rice, Stix Dry Goods Company. No. 70,667; Sept. 22; Gaz. vol. 136; p. 844.
 Cotton piece goods. Tootle-Campbell Dry Goods Co. No. 71,078; Oct. 27; Gaz. vol. 136; p. 1997.
 Cotton piece goods. Creighton & Betts. No. 71,129; Nov. 3; Gaz. vol. 137; p. 224.
 Cotton piece goods. Hamilton Manufacturing Company. No. 71,130; Nov. 3; Gaz. vol. 137; p. 224.
 Cotton piece goods. Norton Pratt Co. No. 71,310; Nov. 17; Gaz. vol. 137; p. 728.
 Cotton piece goods. Tootle-Campbell Dry Goods Co. No. 71,323; Nov. 17; Gaz. vol. 137; p. 728.
 Cotton piece goods. Ibert Company. No. 71,829; Dec. 15; Gaz. vol. 137; p. 1706.
 Cotton piece goods, Bleached and unbleached. Pepperell Manufacturing Co. Nos. 68,576-9; Apr. 14; Gaz. vol. 133; p. 1676.
 Cotton piece goods, Dyed. Millville Manufacturing Company. No. 71,831; Dec. 15; Gaz. vol. 137; p. 1706.
 Cotton piece goods, Printed. Neuss, Hessel & Co. Nos. 71,452-3; Nov. 24; Gaz. vol. 137; p. 973.
 Cotton piece goods, Printed and dyed. Garner & Co. No. 67,742; Feb. 18; Gaz. vol. 132; p. 1580.
 Cotton plaids. Woven. Neuss, Hessel & Co. No. 69,410; June 9; Gaz. vol. 134; p. 1559.
 Cotton sheetings. Indiana Cotton Mills. No. 71,301; Nov. 17; Gaz. vol. 137; p. 728.
 Cotton textile fabrics. Coventry Company. Nos. 69,501-8; June 16; Gaz. vol. 134; p. 1799.
 Cough and croup syrup. J. B. Clayton. No. 71,352; Nov. 17; Gaz. vol. 137; p. 729.
 Cough-drops. Maltet Chemical Company. No. 68,618; Apr. 21; Gaz. vol. 133; p. 1930.
 Cough-drops, Mentholated. Dean Medicine Company. No. 69,992; July 21; Gaz. vol. 135; p. 659.
 Cough-drops. G. W. Schmid Mfg. Co. No. 70,147; Aug. 4; Gaz. vol. 135; p. 1118.
 Cough-drops, Menthol-compound. J. Meyer & J. E. Dort. No. 70,165; Aug. 4; Gaz. vol. 135; p. 1118.
 Crackers. New Health Food Company. No. 69,690; June 30; Gaz. vol. 134; p. 2240.
 Crackers, Soda-. Hess Biscuit and Bread Co. No. 70,955; Oct. 20; Gaz. vol. 136; p. 1764.
 Cranberries. Manomet Cranberry Company. No. 67,321; Jan. 28; Gaz. vol. 132; p. 837.
 Crayons. B. F. Callender. No. 67,729; Feb. 25; Gaz. vol. 132; p. 1833.
 Crayons, Chalk. E. B. Brady. No. 69,257; June 2; Gaz. vol. 134; p. 1293.
 Cream and freckle-eradicator, Toilet. De Miracle Chemical Co. No. 67,906; Feb. 25; Gaz. vol. 132; p. 1832.
 Cream and hair lotions, Skin and cold. S. Armitage. No. 67,962; Mar. 3; Gaz. vol. 133; p. 223.
 Cream and pomades, Cold-. Vereinigte Chemische Werke Aktiengesellschaft. No. 67,899; Feb. 25; Gaz. vol. 132; p. 1832.
 Cream, Cold-. C. E. Keeler. No. 67,911; Feb. 25; Gaz. vol. 132; p. 1832.
 Cream, Face-. V. B. Thomas. No. 71,516; Dec. 1; Gaz. vol. 137; p. 1231.
 Cream, Face-. Madam Waters Co. No. 71,724; Dec. 15; Gaz. vol. 137; p. 1703.
 Cream, face-powder, and scalp- tonic. Face-. E. Nariot. No. 68,622; Apr. 21; Gaz. vol. 133; p. 1930.
 Cream for massage purposes, Peroxid. Forest City Chemical Co. No. 70,843; Oct. 13; Gaz. vol. 136; p. 1527.
 Cream, Massage-. Acme Chemical Co. No. 67,900; Feb. 25; Gaz. vol. 132; p. 1832.
 Cream, Massage and face. Wheeler Manufacturing Co. No. 67,975; Mar. 3; Gaz. vol. 133; p. 223.
 Cream-separators, Centrifugal. Empire Cream Separator Co. No. 69,545; June 16; Gaz. vol. 134; p. 1800.
 Cream, Toilet. J. M. Tobin. No. 68,126; Mar. 10; Gaz. vol. 133; p. 508.
 Cream, Toilet. A. A. Vantine & Co. No. 70,841; Oct. 13; Gaz. vol. 136; p. 1527.
 Cream, Toilet. C. B. Woodworth Sons Co. No. 70,935; Oct. 20; Gaz. vol. 136; p. 1763.
 Creams, pastes, and powders. Cassebeer Pharmaceutical Co. No. 70,636; Sept. 22; Gaz. vol. 136; p. 843.
 Creams, Tooth-. Washington Chemical & Dentifrice Mfg. Co. No. 71,039; Oct. 27; Gaz. vol. 136; p. 1996.
 Crockery, earthenware, and porcelain. I. Strauss & Co. No. 68,598; Apr. 21; Gaz. vol. 133; p. 1929.
 Curling-irons. Cassidy-Fairbank Manufacturing Company. No. 68,990; May 12; Gaz. vol. 134; p. 510.
 Current transformers, Alternating-. General Electric Company. No. 68,926; May 5; Gaz. vol. 134; p. 253.
 Currycombs. New York Stamping Company. No. 69,915; July 14; Gaz. vol. 135; p. 447.
 Curtains, and lace and muslin for making curtains Window-. Martin Manufacturing Company. Nos. 70,891-3; Oct. 13; Gaz. vol. 136; p. 1528.
 Cutlery, &c. S. Osborn & Co. No. 67,874; Feb. 25; Gaz. vol. 132; p. 1831.
 Cutlery and edge-tools. Hyde Manufacturing Co. No. 67,784; Feb. 18; Gaz. vol. 132; p. 1581.
 Cutlery and edge-tools, Certain. Freeman, Delamater & Co. No. 66,949; Jan. 7; Gaz. vol. 132; p. 226.
 Cutlery and edge-tools, Certain. Joseph F. McCoy Co. No. 67,255; Jan. 28; Gaz. vol. 132; p. 835.
 Cutlery and edge-tools, Certain. Norvell-Shapleigh Hardware Company. No. 67,796; Feb. 18; Gaz. vol. 132; p. 1581.
 Cutlery and edge-tools, Certain. Simmons Hardware Company. No. 67,798; Feb. 18; Gaz. vol. 132; p. 1582.
 Cutlery and edge-tools, Certain. Norvell-Shapleigh Hardware Company. No. 68,010; Mar. 3; Gaz. vol. 133; p. 224.
 Cutlery and tools, Certain. Whiton Hardware Co. No. 68,868; May 5; Gaz. vol. 134; p. 251.
 Cutlery and tools, Certain. J. A. Henckels. Nos. 69,919-20; July 14; Gaz. vol. 135; p. 447.
 Cutlery and tools, Certain. Marshall-Wells Hardware Co. No. 71,387; Nov. 24; Gaz. vol. 137; p. 971.
 Cutlery, Certain. A. Feist & Co. No. 67,491; Feb. 4; Gaz. vol. 132; p. 1067.
 Cutlery, Certain. Moore & Handley Hardware Company. No. 68,730; Apr. 28; Gaz. vol. 133; p. 2173.
 Cutlery, Certain. S. Richard Co. No. 71,073; Oct. 27; Gaz. vol. 136; p. 1996.
 Cutlery, Certain. Stephen Richard Co. No. 71,415; Nov. 24; Gaz. vol. 137; p. 972.
 Cutlery, Certain. Cattaraugus Cutlery Co. No. 72,060; Dec. 29; Gaz. vol. 137; p. 2215.
 Cycles, Motor-. Hornbecker Motor Mfg. Co. No. 70,659; Sept. 22; Gaz. vol. 136; p. 843.

Alphabetical list of trade-marks—Continued.

- Dairy products, Certain. McDermott Dairy Company. No. 69,467; June 16; Gaz. vol. 134; p. 1798.
 Decanters, Refrigerating-. A. E. Frantz. No. 68,798; Apr. 28; Gaz. vol. 133; p. 2175.
 Demulcent, toilet cream, and skin food. F. A. Luyties. No. 68,350; Mar. 31; Gaz. vol. 133; p. 1184.
 Denims. B. E. Noble. No. 68,469; Apr. 7; Gaz. vol. 133; p. 1431.
 Dental alloy. J. F. Schotz. No. 67,767; Feb. 18; Gaz. vol. 132; p. 1581.
 Dental anesthetic. Park Dental Supply Company. No. 69,231; May 26; Gaz. vol. 134; p. 1047.
 Dental appliances, tools, and supplies, Certain. H. L. Sanford. No. 69,528; June 16; Gaz. vol. 134; p. 1799.
 Dental cream. Colgate & Co. No. 71,432; Nov. 24; Gaz. vol. 137; p. 973.
 Dental engines, instruments, materials, &c. S. S. White Dental Mfg. Co. No. 68,845; Apr. 28; Gaz. vol. 133; p. 2176.
 Dental obtundents. G. N. Hein. No. 67,356; Jan. 28; Gaz. vol. 132; p. 838.
 Dental paste. C. E. Hopkins. No. 71,907; Dec. 27; Gaz. vol. 137; p. 1934.
 Dental plates. D. D. Hyman. No. 69,960; July 21; Gaz. vol. 135; p. 658.
 Dental rubber. E. Doherty. No. 68,187; Mar. 10; Gaz. vol. 133; p. 510.
 Dentifrice and perfumery. H. S. Wellcome. No. 67,372; Jan. 28; Gaz. vol. 132; p. 839.
 Dentifrices. W. H. Hall. No. 67,355; Jan. 28; Gaz. vol. 132; p. 838.
 Dentifrices. K. A. Lingner. No. 70,021; July 21; Gaz. vol. 135; p. 659.
 Deodorant, Ordorless. Vail Brothers. No. 67,304; Jan. 28; Gaz. vol. 132; p. 837.
 Deodorants, Breath-. R. Porter. No. 69,949; July 21; Gaz. vol. 135; p. 657.
 Detergent composition. T. W. Henry. No. 67,634; Feb. 11; Gaz. vol. 132; p. 1315.
 Detergent compound. Imperial Car Cleaner Co. No. 70,431; Sept. 1; Gaz. vol. 136; p. 221.
 Dextrins. Corn Products Refining Company. No. 71,656; Dec. 8; Gaz. vol. 137; p. 1478.
 Diagnostic instruments, Electrically-lighted. American Cystoscope Makers. No. 71,197; Nov. 10; Gaz. vol. 137; p. 469.
 Diamond-polishers' iron wheels. H. F. Maas. No. 68,467; Apr. 7; Gaz. vol. 133; p. 1431.
 Dies, die-stocks, and screw-threading tools. Hart Manufacturing Co. No. 68,383; Apr. 7; Gaz. vol. 133; p. 1429.
 Dishes, &c., Porcelain. Porzellanfabrik Ph. Rosenthal & Co. Aktiengesellschaft. No. 68,316; Mar. 24; Gaz. vol. 133; p. 988.
 Disinfectant. Bass-Hueter Paint Company. No. 70,092; July 28; Gaz. vol. 135; p. 890.
 Disinfectant and deodorizer. J. F. C. Luhan. No. 68,522; Apr. 14; Gaz. vol. 133; p. 1674.
 Disinfectant, antiseptic, and deodorizing preparation. Schoellkopf, Hartford & Hanna Company. No. 69,529; June 16; Gaz. vol. 134; p. 1800.
 Disinfectant, antiseptic, and deodorizing preparation. Schoellkopf, Hartford & Hanna Company. No. 70,944; Oct. 20; Gaz. vol. 136; p. 1763.
 Disinfectant, deodorizer, and insect and germ killer. J. Wilson. No. 67,696; Feb. 18; Gaz. vol. 132; p. 1579.
 Disinfectant, sheep-dip, and cattle-wash. W. Cooper & Nephews. No. 68,513; Apr. 14; Gaz. vol. 133; p. 1674.
 Disinfectants. H. Erric. No. 68,083; Mar. 10; Gaz. vol. 133; p. 507.
 Disinfectants. Chemische Fabriks Werke Gesellschaft mit beschränkter Haftung. No. 68,546; Apr. 14; Gaz. vol. 133; p. 1675.
 Disinfectants and antiseptics. Chemische Werke Reiherstieg Gesellschaft mit beschränkter Haftung. No. 69,247; June 2; Gaz. vol. 134; p. 1293.
 Disinfectants and dust-allayers, Aromatic. M. H. Siegel. No. 71,929; Dec. 22; Gaz. vol. 137; p. 1934.
 Disinfectants and vermin-exterminators. F. J. Herr. No. 70,716; Sept. 29; Gaz. vol. 136; p. 1063.
 Disinfectants, deodorizers, and insecticides. Orient Spray Company. No. 68,351; Mar. 31; Gaz. vol. 133; p. 1184.
 Disinfectants for waste-pipes and sewers. C. C. O'Beirne. No. 72,071; Dec. 29; Gaz. vol. 137; p. 2215.
 Disinfecting and cleaning preparation. Automatic Disinfecting Co. No. 69,207; May 26; Gaz. vol. 134; p. 1046.
 Disinfective scouring compound. C. White. No. 71,247; Nov. 10; Gaz. vol. 137; p. 471.
 Dividers and squares. Norvell-Shapleigh Hardware Company. No. 67,795; Feb. 18; Gaz. vol. 132; p. 1581.
 Dolls. Samstag & Hilder Brothers. No. 69,002; May 12; Gaz. vol. 134; p. 510.
 Dolls and stuffed toy figures. Margarette Steiff, G. m. b. H. No. 68,568; Apr. 14; Gaz. vol. 133; p. 1675.
 Dolls, Rag. Bach Bros. & Katzenstein. No. 71,372; Nov. 24; Gaz. vol. 137; p. 971.
 Dough cutters and crimpers. O. J. Coppins. No. 68,331; Mar. 31; Gaz. vol. 133; p. 1183.
 Draftsmen's instruments. Keuffel & Esser Company. No. 68,650; Apr. 21; Gaz. vol. 133; p. 1931.
 Drawers and undershirts, Men's. Robert Reis & Co. No. 71,837; Dec. 15; Gaz. vol. 137; p. 1706.
 Drawers and undershirts, Men's, women's, and children's. Jesse V. Palmer Co. No. 71,854; Dec. 15; Gaz. vol. 137; p. 1707.
 Dress and shirt waists. Guggenheim Company. No. 67,566; Feb. 11; Gaz. vol. 132; p. 1313.
 Dress-eyes. American Pin Company. No. 71,271; Nov. 17; Gaz. vol. 137; p. 727.
 Dress goods in the piece. G. J. Geer. No. 70,283; Aug. 18; Gaz. vol. 135; p. 1578.
 Dress goods in the piece. F. H. Hayes. No. 71,294; Nov. 17; Gaz. vol. 137; p. 727.
 Dress-shields. Omo Manufacturing Company. No. 70,319; Aug. 18; Gaz. vol. 135; p. 1579.
 Dress-shields. I. B. Kleinert Rubber Co. No. 70,371; Aug. 25; Gaz. vol. 135; p. 1798.
 Dress-shields. S. Allen & Company. No. 71,317; Nov. 17; Gaz. vol. 137; p. 728.
 Dress-shields and hose-supporters. Kora Company. No. 66,967; Jan. 7; Gaz. vol. 132; p. 227.
 Drill-grinding machines. Wilmarth & Morman Co. No. 67,858; Feb. 25; Gaz. vol. 132; p. 1831.
 Drill-rods and drawn wire. Globe Wire Company. No. 67,461; Feb. 4; Gaz. vol. 132; p. 1067.
 Drills. Heller & Long. No. 70,534; Sept. 8; Gaz. vol. 136; p. 434.
 Drills. Heller & Long. No. 71,828; Dec. 15; Gaz. vol. 137; p. 1706.
 Drills and drilling machinery. Hardsocg Manufacturing Company. No. 70,077; July 28; Gaz. vol. 135; p. 890.
 Drinks, Carbonated hop. Florida Fruit Oil & Extract Co. No. 67,396; Feb. 4; Gaz. vol. 132; p. 1065.
 Drug extract compound, Solid. P. F. De Ford. No. 70,504; Sept. 8; Gaz. vol. 136; p. 433.
 Drying machinery, Certain. Philadelphia Drying Machinery Company. No. 69,615; June 23; Gaz. vol. 134; p. 2024.
 Dye, Coloring. W. Ikle. No. 71,508; Dec. 1; Gaz. vol. 137; p. 1231.
 Dyes. Rainbow Dye Co. No. 68,901; May 5; Gaz. vol. 134; p. 252.
 Dyes. Wells & Richardson Company. Nos. 68,962-3; May 12; Gaz. vol. 134; p. 509.
 Dyes. G. Palmer. No. 70,666; Sept. 22; Gaz. vol. 136; p. 844.
 Dyestuffs. Badische Anilin & Soda Fabrik. No. 67,965; Mar. 3; Gaz. vol. 133; p. 223.
 Dynamite. National Powder Co. No. 71,087; Oct. 27; Gaz. vol. 136; p. 1997.
 Dynamite, Gelatin. Potts Powder Company. No. 68,556; Apr. 14; Gaz. vol. 133; p. 1675.
 Dynamite, Nitroglycerin. Potts Powder Company. No. 68,557; Apr. 14; Gaz. vol. 133; p. 1675.
 Dyspepsia remedies. Mother Seigel's Syrup Co. No. 71,448; Nov. 24; Gaz. vol. 137; p. 973.
 Ear-drums, Artificial. A. O. Leonard Company. No. 71,932; Dec. 22; Gaz. vol. 137; p. 1934.
 Earthenware, porcelain, majolica, or clay articles. Wächtersbacher Steingutfabrik. No. 71,487; Nov. 24; Gaz. vol. 137; p. 974.
 Edge-tools, Certain. Stanley Rule & Level Company. No. 67,119; Jan. 14; Gaz. vol. 132; p. 464.
 Edge-tools, Certain. W. Bingham Company. No. 68,702; Apr. 21; Gaz. vol. 133; p. 1932.
 Edge-tools, Certain. Schwabacher Hardware Co. No. 68,734; Apr. 28; Gaz. vol. 133; p. 2173.
 Edge-tools, Certain. Stanley Rule & Level Company. No. 68,867; May 5; Gaz. vol. 134; p. 251.
 Edge-tools, Certain. Schwabacher Hardware Co. No. 70,864; Oct. 13; Gaz. vol. 136; p. 1527.
 Effervescent salts, Granular. Lange Bros. No. 68,954; May 12; Gaz. vol. 134; p. 509.
 Egg carriers and trays. Star Egg Carrier & Tray Mfg. Co. No. 68,678; Apr. 21; Gaz. vol. 133; p. 1931.
 Egg substitute. W. F. Eberle. Nos. 68,774-5; Apr. 28; Gaz. vol. 133; p. 2175.
 Eggs, Fresh and storage. G. W. Nicholson Company. No. 67,725; Feb. 18; Gaz. vol. 132; p. 1580.
 Electric and galvanic carbons. C. Conradt. No. 70,255; Aug. 18; Gaz. vol. 135; p. 1577.
 Electric batteries. Norvell-Shapleigh Hardware Company. No. 70,913; Oct. 13; Gaz. vol. 136; p. 1529.
 Electric circuit switching and controlling devices. Monitor Manufacturing Company of Baltimore City. No. 69,394; June 9; Gaz. vol. 134; p. 1559.
 Electric conduits, Flexible. American Circular Loom Company. No. 71,542; Dec. 1; Gaz. vol. 137; p. 1232.
 Electric, gas, and combination lighting fixtures. F. W. Wakefield. No. 70,618; Sept. 15; Gaz. vol. 136; p. 655.
 Electric-light carbons. H. Reisinger. No. 69,836; July 7; Gaz. vol. 135; p. 215.
 Electric outlet-boxes. Appleton Electric Company. No. 69,532; June 16; Gaz. vol. 134; p. 1800.
 Electric supplies, Certain. Crouse-Hinds Company. No. 71,992; Dec. 29; Gaz. vol. 137; p. 2213.
 Electric switches. Auto-Safety Electric Switch Co. No. 68,816; Apr. 28; Gaz. vol. 133; p. 2176.
 Electric switches. Perkins Electric Switch Manufacturing Company. No. 71,912; Dec. 22; Gaz. vol. 137; p. 1934.
 Electric tapes. Wesco Supply Company. No. 70,586; Sept. 15; Gaz. vol. 136; p. 654.
 Electric-wire conduits. Fibre Conduit Company. No. 69,646; June 23; Gaz. vol. 134; p. 2025.
 Electric-wiring purposes, Outlet-bushings for. Appleton Electric Company. No. 67,753; Feb. 18; Gaz. vol. 132; p. 1580.
 Electrical apparatus and machines. Daimler-Motoren-Gesellschaft. No. 68,828; Apr. 28; Gaz. vol. 133; p. 2176.
 Electrical apparatus and machines, Certain. Manhattan Electrical Supply Company. No. 68,832; Apr. 28; Gaz. vol. 133; p. 2176.

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- Electrical apparatus and supplies, Certain. Johns-Pratt Company. No. 71,259; Nov. 10; Gaz. vol. 137; p. 471.
 Electrical apparatus and supplies, Certain. Manhattan Electrical Supply Company. No. 71,260; Nov. 10; Gaz. vol. 137; p. 471.
 Electrical apparatus, Certain. R. Bosch. No. 67,863; Feb. 25; Gaz. vol. 132; p. 1831.
 Electrical apparatus, Certain. Ruthardt & Co. No. 69,837; July 7; Gaz. vol. 135; p. 215.
 Electrical cables and conductors, Certain. Standard Underground Cable Company. No. 69,871; July 14; Gaz. vol. 135; p. 446.
 Electrical conductors, Certain. National India Rubber Co. No. 69,395; June 9; Gaz. vol. 134; p. 1559.
 Electrical conductors, Covered. Safety Insulated Wire & Cable Co. No. 69,759; June 30; Gaz. vol. 134; p. 2241.
 Electrical goods, Certain. Commercial Electrical Supply Company. No. 67,698; Feb. 18; Gaz. vol. 132; p. 1579.
 Electrical storage batteries. Vesta Accumulator Company. No. 69,872; July 14; Gaz. vol. 135; p. 446.
 Electrical supplies. Johns-Pratt Company. No. 70,992; Oct. 20; Gaz. vol. 136; p. 1765.
 Electrical supplies, Certain. Ohio Brass Company. No. 68,192; Mar. 10; Gaz. vol. 133; p. 510.
 Electrical supplies, Certain. Société Anonyme Montbarbon. No. 69,397; June 9; Gaz. vol. 134; p. 1559.
 Electrical supplies, Certain. Société Générale des Huiles et Fournitures Industrielles l'Oleo. No. 69,398; June 9; Gaz. vol. 134; p. 1559.
 Electrical supplies, Certain. Ehrlich & Graetz. No. 69,744; June 30; Gaz. vol. 134; p. 2241.
 Electrical supplies, Certain. M. Robinson. No. 69,758; June 30; Gaz. vol. 134; p. 2241.
 Electrical supplies, Certain. Ohio Brass Company. No. 70,209; Aug. 11; Gaz. vol. 135; p. 1358.
 Electrical supplies, Certain. Ajax Line Material Co. No. 70,904; Oct. 13; Gaz. vol. 136; p. 1528.
 Electrical supplies, Certain. Wesco Supply Company. No. 71,568; Dec. 1; Gaz. vol. 137; p. 1233.
 Electrical supplies, Certain. Packard Electric Company. No. 71,911; Dec. 22; Gaz. vol. 137; p. 1934.
 Electrical switches. Arrow Electric Company. No. 67,282; Jan. 28; Gaz. vol. 132; p. 836.
 Electroplating apparatus. C. B. Norton Jewelry Co. No. 69,990; July 21; Gaz. vol. 135; p. 658.
 Elixir of opium. Wright's Indian Vegetable Pill Company. No. 70,171; Aug. 4; Gaz. vol. 135; p. 1118.
 Embrocations and lotions. C. W. R. Duncombe. No. 71,009; Oct. 27; Gaz. vol. 137; p. 1995.
 Embroidering-hoops. Crown Company. No. 69,802; July 7; Gaz. vol. 135; p. 214.
 Emery for cleaning rice, &c. H. B. Dresser. No. 70,248; Aug. 18; Gaz. vol. 135; p. 1577.
 Enamel, Certain. G. H. Baker. No. 69,436; June 16; Gaz. vol. 134; p. 1797.
 Enamel for polishing metal. G. H. Baker. No. 71,704; Dec. 15; Gaz. vol. 137; p. 1703.
 Enamel-paint. Ernecke and Salmstein. No. 71,334; Nov. 17; Gaz. vol. 137; p. 728.
 Enameled kitchen and household utensils. Actien-Gesellschaft Adolph H. Neufeldt Metallwarenfabrik und Emailirwerk. No. 68,968; May 12; Gaz. vol. 134; p. 510.
 Enameled metal ware. Stewart Co. No. 69,294; June 2; Gaz. vol. 134; p. 1294.
 Enameled metal ware. Jacob J. Vollrath Mfg. Co. No. 70,317; Aug. 18; Gaz. vol. 135; p. 1579.
 Encyclopedias, Loose-leaf. Thomas Nelson & Sons. No. 71,950; Dec. 22; Gaz. vol. 137; p. 1935.
 Engine-cords. J. D. Nicklas. No. 69,309; June 2; Gaz. vol. 134; p. 1294.
 Engine drums, Hoisting. Hayward Company. Nos. 68,764-5; Apr. 28; Gaz. vol. 133; p. 2174.
 Engine under-water exhausts. C. B. Chatfield. No. 70,700; Sept. 29; Gaz. vol. 136; p. 1063.
 Engines and parts thereof, Internal-combustion. Loane-Hiltz Engineering Company of Baltimore City. No. 69,445; June 16; Gaz. vol. 134; p. 1797.
 Engines, Gas, gasoline, and oil. Samson Iron Works. No. 67,621; Feb. 11; Gaz. vol. 131; p. 1315.
 Engines, Hot-air. Rider-Eriesson Engine Co. No. 70,492; Sept. 8; Gaz. vol. 136; p. 433.
 Engines, Internal-combustion. "New Way" Motor Company. No. 68,206; Mar. 17; Gaz. vol. 133; p. 757.
 Engines, Steam-. Gaar, Scott & Co. No. 69,062; May 19; Gaz. vol. 134; p. 769.
 Engines, Steam, gas, and explosion. Société Industrielle et Commerciale de la Moto-Réve. No. 70,230; Aug. 11; Gaz. vol. 135; p. 1358.
 Envelops. Gopher Envelope Company. No. 70,075; July 28; Gaz. vol. 135; p. 890.
 Ergot substitute. E. Merck. No. 68,111; Mar. 10; Gaz. vol. 133; p. 508.
 Evaporators, Fruit and vegetable. B. L. Ryder Company. No. 69,057; May 19; Gaz. vol. 134; p. 769.
 Explosives and blasting caps and fuses, High. Eastern Dynamite Company. No. 72,064; Dec. 29; Gaz. vol. 137; p. 2215.
 Explosives, Certain. Curtiss & Harvey. Nos. 70,923-6; Oct. 20; Gaz. vol. 136; p. 1763.
 Explosives, High. E. I. du Pont de Nemours Powder Company. No. 69,478; June 16; Gaz. vol. 134; p. 1798.
 Explosives, High. Eastern Dynamite Company. No. 69,701; June 30; Gaz. vol. 134; p. 2240.
 Extracts, Certain. Black Drug and Chemical Company. No. 67,609; Feb. 11; Gaz. vol. 132; p. 1315.
 Eye-exercising device. Ideal Co. Nos. 70,600-1; Sept. 15; Gaz. vol. 136; p. 654.
 Eye-lotions. C. S. Carey. No. 68,606; Apr. 21; Gaz. vol. 133; p. 1929.
 Eye-protectors. P. C. M. Montbarbon. No. 67,480; Feb. 4; Gaz. vol. 132; p. 1067.
 Eye-shades. W. B. White. No. 67,660; Feb. 11; Gaz. vol. 132; p. 1316.
 Eye-water. R. Moulthrop. No. 71,030; Oct. 27; Gaz. vol. 136; p. 1995.
 Eyeglass and spectacle lenses. A. Martin Inc. No. 71,541; Dec. 1; Gaz. vol. 137; p. 1232.
 Eyeglass-clips. M. H. Harris. No. 68,648; Apr. 21; Gaz. vol. 133; p. 1930.
 Eyeglasses. White-Haines Optical Company. No. 67,771; Feb. 18; Gaz. vol. 132; p. 1581.
 Fabrics, Certain dress. Sidney Blumenthal & Co. No. 67,395; Feb. 4; Gaz. vol. 132; p. 1065.
 Fabrics, Certain dress. Sidney Blumenthal and Co. No. 69,245; May 26; Gaz. vol. 134; p. 1047.
 Fabrics, Certain textile. China & Japan Trading Company. Nos. 67,392-3; Feb. 4; Gaz. vol. 132; p. 1065.
 Fabrics, Certain textile and lace. United Paper Co. No. 68,580; Apr. 14; Gaz. vol. 133; p. 1076.
 Fabrics for protection against insects, Open-mesh. I. E. Palmer Co. No. 70,104; July 28; Gaz. vol. 135; p. 891.
 Fabrics, Waterproofed textile. A. A. Fischer. No. 67,741; Feb. 18; Gaz. vol. 132; p. 1580.
 Face-powders and face-creams. J. A. Schmitz. No. 72,011; Dec. 29; Gaz. vol. 137; p. 2214.
 Facial tonic and cream. J. H. Dickinson. No. 70,099; July 28; Gaz. vol. 135; p. 890.
 Fancy goods, furnishings, and notions, Certain. Young, Smyth, Field Company. No. 69,531; June 16; Gaz. vol. 134; p. 1800.
 Fastening devices, Certain. Champion Safety Lock Company. No. 69,390; June 9; Gaz. vol. 134; p. 1558.
 Fat and cotton-seed oil, Compound of beef-. J. H. Filbert. No. 70,787; Oct. 6; Gaz. vol. 136; p. 1293.
 Fat or oil compound, Vegetable. India Refining Company. Nos. 69,454-6; June 16; Gaz. vol. 134; p. 1798.
 Fats and oils, Edible. N. K. Fairbank Company. No. 69,362; June 9; Gaz. vol. 134; p. 1558.
 Fats, Vegetable. E. Khuner & Sohn. Nos. 69,589-90; June 23; Gaz. vol. 134; p. 2024.
 Feather and down pillows and cotton-felt mattresses. Louisville Pillow Company. No. 71,946; Dec. 22; Gaz. vol. 137; p. 1935.
 Feathers. F. A. Hall. No. 67,543; Feb. 11; Gaz. vol. 132; p. 1313.
 Feathers and goods made therefrom, Ostrich-. Kafir Plume Company. No. 68,423; Apr. 7; Gaz. vol. 133; p. 1430.
 Feed and ensilage cutters. J. Dick. No. 68,214; Mar. 17; Gaz. vol. 133; p. 757.
 Feed-bags. W. I. Ewart. No. 67,629; Feb. 11; Gaz. vol. 132; p. 1315.
 Feed, Gluten. Corn Products Refining Company. Nos. 70,725-6; Sept. 29; Gaz. vol. 136; p. 1063.
 Feed, Gluten. Corn Products Refining Company. No. 71,634; Dec. 8; Gaz. vol. 137; p. 1477.
 Feed, Hominy. Decatur Cereal Company. No. 71,890; Dec. 22; Gaz. vol. 137; p. 1933.
 Feed, Poultry. M. C. Peters. No. 70,336; Aug. 25; Gaz. vol. 135; p. 1797.
 Feed, Stock. North-West Mills Company. No. 69,101; May 19; Gaz. vol. 134; p. 771.
 Feed, Stock. Dock & Coal Co. No. 69,452; June 16; Gaz. vol. 134; p. 1798.
 Felt and felt-asphalt roofing. Cream City Roofing and Paint Manufacturing Company. No. 71,203; Nov. 10; Gaz. vol. 137; p. 469.
 Felt and paper roofing. H. W. Johns-Manville Company. No. 68,496; Apr. 14; Gaz. vol. 133; p. 1673.
 Felt, paper, and asbestos roofings and pipe-covering. H. W. Johns-Manville Co. No. 68,137; Mar. 10; Gaz. vol. 133; p. 508.
 Felt roofing. Belknap Hardware and Manufacturing Co. No. 68,595; Apr. 21; Gaz. vol. 133; p. 1929.
 Felt roofing. Buck Roofing Company. No. 68,890; May 5; Gaz. vol. 134; p. 252.
 Felt roofing. Barrett Manufacturing Company. No. 70,698; Sept. 29; Gaz. vol. 136; p. 1063.
 Felt roofing, sheathing, and building paper. Barrett Manufacturing Company. Nos. 70,358-9; Aug. 25; Gaz. vol. 135; p. 1798.
 Fence, Wire. T. Litwiller. No. 67,871; Feb. 25; Gaz. vol. 132; p. 1831.
 Fence, Wire. Janesville Barb Wire Company. No. 67,998; Mar. 3; Gaz. vol. 133; p. 224.
 Fertilizer. Alabama Chemical Company. No. 71,975; Dec. 22; Gaz. vol. 137; p. 1936.
 Fertilizer. Alabama Chemical Company. No. 71,978; Dec. 22; Gaz. vol. 137; p. 1936.
 Fertilizers. Virginia-Carolina Chemical Company. Nos. 66,941-3; Jan. 7; Gaz. vol. 132; p. 26.
 Fertilizers. Rasin-Monumental Company of Anne Arundel County. No. 67,118; Jan. 14; Gaz. vol. 132; p. 464.
 Fertilizers. Virginia-Carolina Chemical Company. Nos. 67,405-9; Feb. 4; Gaz. vol. 132; p. 1065.
 Fertilizers. Virginia-Carolina Chemical Company. No. 67,682; Feb. 11; Gaz. vol. 132; p. 1317.
 Fertilizers. Virginia-Carolina Chemical Company. Nos. 68,100-5; Mar. 10; Gaz. vol. 133; p. 507.
 Fertilizers. Alabama Cotton Oil Company. No. 68,212; Mar. 17; Gaz. vol. 133; p. 757.
 Fertilizers. Virginia-Carolina Chemical Company. Nos. 68,321-7; Mar. 31; Gaz. vol. 133; p. 1183.
 Fertilizers. Virginia-Carolina Chemical Company. No. 68,342; Mar. 31; Gaz. vol. 133; p. 1183.

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- Fertilizers. Rasin-Monumental Company of Anne Arundel County. No. 68,400; Apr. 7; Gaz. vol. 133; p. 1429.
 Fertilizers. Union Guano Company. Nos. 68,599-602; Apr. 21; Gaz. vol. 133; p. 1929.
 Fertilizers. American Fertilizing Company. No. 68,940; May 12; Gaz. vol. 134; p. 509.
 Fertilizers. Georgia Chemical Works. Nos. 68,942-3; May 12; Gaz. vol. 134; p. 509.
 Fertilizers. Union Guano Company. No. 68,944; May 12; Gaz. vol. 134; p. 509.
 Fertilizers. Virginia-Carolina Chemical Company. Nos. 68,945-8; May 12; Gaz. vol. 134; p. 509.
 Fertilizers. Coweta Fertilizer Company. No. 68,941; May 12; Gaz. vol. 134; p. 509.
 Fertilizers. Virginia-Carolina Chemical Company. No. 69,051; May 19; Gaz. vol. 134; p. 769.
 Fertilizers. Birmingham Fertilizer Company. No. 69,236; May 26; Gaz. vol. 134; p. 1047.
 Fertilizers. Virginia-Carolina Chemical Company. No. 69,246; May 26; Gaz. vol. 134; p. 1047.
 Fertilizers. Virginia-Carolina Chemical Company. Nos. 69,296-8; June 2; Gaz. vol. 134; p. 1294.
 Fertilizers. American Fertilizing Company. No. 69,475; June 16; Gaz. vol. 134; p. 1798.
 Fertilizers. Georgia Chemical Works. No. 69,383; June 9; Gaz. vol. 134; p. 1558.
 Fertilizers. Virginia-Carolina Chemical Company. No. 69,388; June 9; Gaz. vol. 134; p. 1558.
 Fertilizers. Virginia-Carolina Chemical Company. No. 69,764; July 7; Gaz. vol. 135; p. 213.
 Fertilizers. Virginia-Carolina Chemical Company. No. 70,902; Oct. 13; Gaz. vol. 136; p. 1528.
 Fertilizers. Birmingham Fertilizer Company. No. 71,126; Nov. 3; Gaz. vol. 137; p. 224.
 Fertilizers. Certain phosphate. Read Phosphate Company. No. 68,457; Apr. 7; Gaz. vol. 133; p. 1431.
 Fertilizing materials. Wilson & Toomer Fertilizer Co. No. 70,947-8; Oct. 20; Gaz. vol. 136; p. 1763.
 Fertilizing materials. Plant. Wilson & Toomer Fertilizer Co. No. 71,871; Dec. 15; Gaz. vol. 137; p. 1707.
 Files. National File & Tool Company. No. 69,669; June 30; Gaz. vol. 134; p. 2239.
 Files. W. Bingham Company. No. 70,497; Sept. 8; Gaz. vol. 136; p. 433.
 Files. Nicholson File Company. No. 71,833; Dec. 15; Gaz. vol. 137; p. 1706.
 Files, Document-. Globe-Wernicke Company. No. 69,605; June 23; Gaz. vol. 134; p. 2024.
 Files, Letter and document. C. H. Besly. No. 68,451; Apr. 7; Gaz. vol. 133; p. 1431.
 Files, Paper index-. Fabrik Stolzenberg Deutsche Bureau-Einrichtungsgesellschaft mit beschränkter Haftung. No. 68,662; Apr. 21; Gaz. vol. 133; p. 1931.
 Films, Kinematograph. Hepworth M'fg Co. No. 71,853; Dec. 15; Gaz. vol. 137; p. 1707.
 Filters and filtering materials. L. Anker. No. 70,357; Aug. 25; Gaz. vol. 135; p. 1798.
 Firearms and parts thereof. Certain. Birmingham Small Arms Co. No. 68,285; Mar. 24; Gaz. vol. 133; p. 987.
 Firearms and parts thereof. Certain. Waffenfabrik Mauser Aktiengesellschaft. No. 70,584; Sept. 15; Gaz. vol. 136; p. 654.
 Fire-escapes. W. C. Baird. No. 67,754; Feb. 18; Gaz. vol. 132; p. 1580.
 Fire-extinguishers. Conqueror Fire Extinguisher Company. No. 67,865; Feb. 25; Gaz. vol. 132; p. 1831.
 Fire-extinguishers. H. W. Johns-Manville Company. No. 70,304; Aug. 18; Gaz. vol. 135; p. 1578.
 Fire-extinguishing apparatus. American-La France Fire Engine Co. No. 68,004; Mar. 3; Gaz. vol. 133; p. 224.
 Fire-extinguishing apparatus. Certain. Globe Fire Apparatus Company. No. 68,976; May 12; Gaz. vol. 134; p. 510.
 Fire-extinguishing apparatus. Chemical. American-La France Fire Engine Co. No. 69,796; July 7; Gaz. vol. 135; p. 214.
 Fire-extinguishing apparatus, chemical-engines, and hand-grenades. American-La France Fire Engine Co. No. 68,003; Mar. 3; Gaz. vol. 133; p. 224.
 Fireworks, Hand-. E. H. Wagner. No. 69,765; July 7; Gaz. vol. 135; p. 213.
 Fireworks, Hand-. E. H. Wagner. Nos. 70,037-40; July 28; Gaz. vol. 135; p. 889.
 Fireworks, Hand-. E. H. Wagner. No. 70,585; Sept. 15; Gaz. vol. 136; p. 654.
 Fireworks, Hand stick-. E. H. Wagner. Nos. 69,375-6; June 9; Gaz. vol. 134; p. 1558.
 Fish-hooks. O. Mustad & Søn. No. 68,621; Apr. 21; Gaz. vol. 133; p. 1930.
 Fish-hooks. Schoverling, Daly & Gales. No. 70,082; July 28; Gaz. vol. 135; p. 890.
 Fish-hooks. O. Mustad & Søn. No. 70,704; Sept. 29; Gaz. vol. 136; p. 1063.
 Fish-lines, Silk, linen, and cotton. Ashaway Line & Twine Manufg Co. No. 70,949; Oct. 20; Gaz. vol. 136; p. 1763.
 Fish, Pickled, cured, and smoked. Vinalhaven Fish Company. No. 69,416; June 9; Gaz. vol. 134; p. 1559.
 Fish, Preserved. Rosenstein Brothers. No. 67,195; Jan. 21; Gaz. vol. 132; p. 674.
 Fish, Preserved. Aktiebolaget Sveriges Förenade Konservfabriker. No. 68,531; Apr. 14; Gaz. vol. 133; p. 1674.
 Fish, Salt, dried, smoked, and fresh. International Fisheries Co. No. 67,553; Feb. 11; Gaz. vol. 132; p. 1313.
 Fish, Salted, canned, and pickled. C. F. Wonson. No. 69,716; June 30; Gaz. vol. 134; p. 2240.
 Fishing-lines. William Shakespeare Jr. Company. No. 68,771; Apr. 28; Gaz. vol. 133; p. 2174.
 Fishing-lines. William Shakespeare Jr. Company. No. 69,450; June 16; Gaz. vol. 134; p. 1797.
 Fishing-lines. E. J. Martin's Sons. No. 70,994; Oct. 20; Gaz. vol. 136; p. 1765.
 Fishing lines, reels, hooks, and flies. Bullard & Gormley Co. No. 67,244; Jan. 28; Gaz. vol. 132; p. 835.
 Fishing-tackle. H. A. Whittemore. No. 67,772; Feb. 18; Gaz. vol. 132; p. 1581.
 Fishing-tackle. F. E. Chester. No. 71,802; Dec. 15; Gaz. vol. 137; p. 1705.
 Fishing-tackle, Certain. Enterprise Manufacturing Company. No. 71,940; Dec. 22; Gaz. vol. 137; p. 1935.
 Flat, table, and hollow ware. Wilkinson Sword Company. No. 67,953; Feb. 25; Gaz. vol. 132; p. 1834.
 Flavoring and coating, Certain food. J. M. Herron. No. 68,780; Apr. 28; Gaz. vol. 133; p. 2175.
 Flavoring compounds. Habicht, Braun & Co. No. 67,616; Feb. 11; Gaz. vol. 132; p. 1315.
 Flavoring essences and extracts. Stevenson & Howell. No. 67,942; Feb. 25; Gaz. vol. 132; p. 1833.
 Flavoring extracts. Domestic Science Mfg. Co. No. 67,710; Feb. 18; Gaz. vol. 132; p. 1579.
 Flavoring extracts. J. C. Hagan. No. 67,714; Feb. 18; Gaz. vol. 132; p. 1579.
 Flavoring extracts. Marden & Bull. No. 68,538; Apr. 14; Gaz. vol. 133; p. 1674.
 Flavoring extracts. C. A. Murdock Mfg. Co. No. 69,353; June 9; Gaz. vol. 134; p. 1557.
 Flavoring extracts. Royal Remedy & Extract Co. No. 71,032; Oct. 27; Gaz. vol. 136; p. 1995.
 Flavoring extracts. J. W. Colton Company. No. 71,815; Dec. 15; Gaz. vol. 137; p. 1706.
 Flavoring extracts, Food-. E. M. Chase Company. No. 69,106; May 19; Gaz. vol. 134; p. 771.
 Flavoring for beverages. H. A. Seyd. Nos. 68,735-6; Apr. 28; Gaz. vol. 133; p. 2174.
 Flavoring-syrups. To-Ko Company. No. 70,919; Oct. 13; Gaz. vol. 136; p. 1529.
 Flavoring-syrups for beverages. W. F. Wyld. No. 67,227; Jan. 21; Gaz. vol. 132; p. 675.
 Flesh-ionic in tablet form. Willard White Company. No. 71,520; Dec. 1; Gaz. vol. 137; p. 1231.
 Flooring, Flexible composition. J. A. & W. Bird & Co. No. 70,568; Sept. 15; Gaz. vol. 136; p. 653.
 Flour made of wheat. W. H. Gardner Grain & Mill Co. No. 71,793; Dec. 15; Gaz. vol. 137; p. 1705.
 Flour, Pancake-. Allen Brothers Company. No. 66,913; Jan. 7; Gaz. vol. 132; p. 225.
 Flour, Pancake-. H. B. Fuller. No. 70,791; Oct. 6; Gaz. vol. 136; p. 1293.
 Flour, Pancake-. E. R. Pahl & Co. No. 70,909; Oct. 13; Gaz. vol. 136; p. 1529.
 Flour, Potato-. Scandinavian Importing Company. No. 70,916; Oct. 13; Gaz. vol. 136; p. 1529.
 Flour, tea, and hams, Wheat-. Baldwin, Knowlton & Lake. No. 70,066; July 28; Gaz. vol. 135; p. 890.
 Flour, Wheat-. Columbia Mill & Elevator Company. No. 66,918; Jan. 7; Gaz. vol. 132; p. 225.
 Flour, Wheat-. Minot Flour Mill Co. No. 66,929; Jan. 7; Gaz. vol. 132; p. 226.
 Flour, Wheat-. Rea-Patterson Milling Company. No. 67,058; Jan. 14; Gaz. vol. 132; p. 462.
 Flour, Wheat-. Thornton & Chester Milling Company. No. 67,064; Jan. 14; Gaz. vol. 132; p. 462.
 Flour, Wheat-. Texas Star Flour Mills. No. 67,083; Jan. 14; Gaz. vol. 132; p. 463.
 Flour, Wheat-. Ralston Purina Co. No. 67,504; Feb. 4; Gaz. vol. 132; p. 1068.
 Flour, Wheat-. Nevada Milling Co. No. 67,569; Feb. 11; Gaz. vol. 132; p. 1313.
 Flour, Wheat-. Bay State Milling Co. No. 67,703; Feb. 18; Gaz. vol. 132; p. 1579.
 Flour, Wheat-. Cohen & Rosenberg. No. 67,708; Feb. 18; Gaz. vol. 132; p. 1579.
 Flour, Wheat-. Rippe Grain & Milling Co. No. 67,940; Feb. 25; Gaz. vol. 132; p. 1833.
 Flour, Wheat-. Hunter Brothers Milling Company. No. 67,997; Mar. 3; Gaz. vol. 133; p. 224.
 Flour, Wheat-. American Hominy Company. No. 68,040; Mar. 3; Gaz. vol. 133; p. 225.
 Flour, Wheat-. J. F. Johnson Milling Co. No. 68,139; Mar. 10; Gaz. vol. 133; p. 508.
 Flour, Wheat-. Saginaw Milling Company. No. 68,231; Mar. 17; Gaz. vol. 133; p. 758.
 Flour, Wheat-. Sheffield-King Milling Co. No. 68,507; Apr. 14; Gaz. vol. 133; p. 1674.
 Flour, Wheat-. Columbia Flouring Mills Company. No. 68,796; Apr. 28; Gaz. vol. 133; p. 2175.
 Flour, Wheat-. Stanard-Tilton Milling Company. No. 68,807; Apr. 28; Gaz. vol. 133; p. 2175.
 Flour, Wheat-. W. H. Stokes Milling Co. Nos. 68,808-12; Apr. 28; Gaz. vol. 133; pp. 2175-6.
 Flour, Wheat-. W. J. Jenson Company. No. 68,813; Apr. 28; Gaz. vol. 133; p. 2176.
 Flour, Wheat-. Duluth-Superior Milling Co. No. 68,915; May 5; Gaz. vol. 134; p. 252.
 Flour, Wheat-. Higginsville Milling Co. No. 68,916; May 5; Gaz. vol. 134; p. 252.
 Flour, Wheat-. J. O. Norris. No. 68,917; May 5; Gaz. vol. 134; p. 252.

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- Flour, Wheat-. W. H. Stokes Milling Co. No. 68,919; May 5; Gaz. vol. 134; p. 252.
 Flour, Wheat-. Wells Flour Milling Company. No. 69,030; May 12; Gaz. vol. 134; p. 511.
 Flour, Wheat-. Bowersock Mills & Power Co. No. 69,083; May 19; Gaz. vol. 134; p. 770.
 Flour, Wheat-. Claffin Mill & Elevator Company. No. 69,237; May 26; Gaz. vol. 134; p. 1047.
 Flour, Wheat-. J. Quirk. No. 69,244; May 26; Gaz. vol. 134; p. 1047.
 Flour, Wheat-. Montevideo Roller Mill Company. No. 69,279; June 2; Gaz. vol. 134; p. 1294.
 Flour, Wheat-. Mountain City Mill Co. No. 69,280; June 2; Gaz. vol. 134; p. 1294.
 Flour, Wheat-. N. Sauer Milling Company. No. 69,282; June 2; Gaz. vol. 134; p. 1294.
 Flour, Wheat-. Sabina Flour Mill Co. No. 69,363; June 9; Gaz. vol. 134; p. 1558.
 Flour, Wheat-. Farmers' Milling & Mercantile Company. No. 69,464; June 16; Gaz. vol. 134; p. 1798.
 Flour, Wheat-. Barber Milling Company. No. 69,623; June 23; Gaz. vol. 134; p. 2025.
 Flour, Wheat-. W. Kelly Milling Company. No. 69,629; June 23; Gaz. vol. 134; p. 2025.
 Flour, Wheat-. C. Hoffman & Son Milling Company. No. 69,698; June 30; Gaz. vol. 134; p. 2240.
 Flour, Wheat-. Dodge City Milling & Elevator Company. No. 69,686; June 30; Gaz. vol. 134; p. 2239.
 Flour, Wheat-. Duluth-Superior Milling Co. No. 69,358; June 9; Gaz. vol. 134; p. 1558.
 Flour, Wheat-. Northwestern Elevator & Mill Company. No. 69,709; June 30; Gaz. vol. 134; p. 2240.
 Flour, Wheat-. Sparks Milling Company. No. 69,691; June 30; Gaz. vol. 134; p. 2240.
 Flour, Wheat-. Sparks Milling Company. No. 69,693; June 30; Gaz. vol. 134; p. 2240.
 Flour, Wheat-. Threefoot Bros. & Co. Nos. 69,694-6; June 30; Gaz. vol. 134; p. 2240.
 Flour, Wheat-. Moseley & Motley Milling Co. Nos. 69,791-2; July 7; Gaz. vol. 135; p. 214.
 Flour, Wheat-. Cowgill & Hill Milling Co. No. 69,841; July 14; Gaz. vol. 135; p. 445.
 Flour, Wheat-. A. Thompson. No. 69,860; July 14; Gaz. vol. 135; p. 445.
 Flour, Wheat-. Niagara Falls Milling Company. No. 69,941; July 21; Gaz. vol. 135; p. 657.
 Flour, Wheat-. Rea-Patterson Milling Company. No. 69,968; July 21; Gaz. vol. 135; p. 658.
 Flour, Wheat-. Dunlop Milling Company. No. 69,993; July 21; Gaz. vol. 135; p. 659.
 Flour, Wheat-. Kansas Milling Company. No. 70,051; July 28; Gaz. vol. 135; p. 889.
 Flour, Wheat-. Saginaw Milling Company. No. 70,152; Aug. 4; Gaz. vol. 135; p. 1118.
 Flour, Wheat-. Buck & Toole Milling Co. No. 70,173; Aug. 4; Gaz. vol. 135; p. 1118.
 Flour, Wheat-. S. Hamill Company. No. 70,337; Aug. 25; Gaz. vol. 135; p. 1797.
 Flour, Wheat-. Durst Milling Company. No. 70,342; Aug. 25; Gaz. vol. 135; p. 1797.
 Flour, Wheat-. C. Hoffman & Son Milling Company. No. 70,518; Sept. 8; Gaz. vol. 136; p. 434.
 Flour, Wheat-. Ogilvie Flour Mills Company. No. 70,523; Sept. 8; Gaz. vol. 136; p. 434.
 Flour, Wheat-. Barber Milling Company. No. 70,531; Sept. 8; Gaz. vol. 136; p. 434.
 Flour, Wheat-. Listman Mill Company. No. 70,537; Sept. 8; Gaz. vol. 136; p. 434.
 Flour, Wheat-. Waterloo & Cedar Falls Union Mill Company. No. 70,697; Sept. 22; Gaz. vol. 136; p. 844.
 Flour, Wheat-. Longmont Farmers Milling & Elevator Company. Nos. 70,733-5; Sept. 29; Gaz. vol. 136; p. 1064.
 Flour, Wheat-. Tacoma Grain Company. No. 70,743; Sept. 29; Gaz. vol. 136; p. 1064.
 Flour, Wheat-. Longmont Farmers Milling & Elevator Company. No. 70,797; Oct. 6; Gaz. vol. 136; p. 1293.
 Flour, Wheat-. Hogan Milling Company. No. 70,910; Oct. 13; Gaz. vol. 136; p. 1529.
 Flour, Wheat-. Ogilvie Flour Mills Company. No. 70,962; Oct. 20; Gaz. vol. 136; p. 1764.
 Flour, Wheat-. John Hoffer Flouring Mill Company. No. 71,024; Oct. 27; Gaz. vol. 136; p. 1995.
 Flour, Wheat-. Missouri Valley Milling Company. No. 71,029; Oct. 27; Gaz. vol. 136; p. 1995.
 Flour, Wheat-. Falls City Flour Co. No. 71,577; Dec. 1; Gaz. vol. 137; p. 1233.
 Flour, Wheat-. Huegely Milling Company. No. 71,625; Dec. 8; Gaz. vol. 137; p. 1477.
 Flour, Wheat-. Dawson & Seaver. No. 71,778; Dec. 15; Gaz. vol. 137; p. 1705.
 Flour, Wheat-. Detroit Milling Company. No. 71,779; Dec. 15; Gaz. vol. 137; p. 1705.
 Flour, Wheat-. Orr Bros. No. 71,791; Dec. 15; Gaz. vol. 137; p. 1705.
 Flour, Wheat-. Gopher State Milling Company. No. 71,810; Dec. 15; Gaz. vol. 137; p. 1706.
 Flour, Wheat-. H. C. Cole Milling Company. Nos. 71,895-8; Dec. 22; Gaz. vol. 137; p. 1933.
 Flour, Wheat-. Listman Mill Company. Nos. 71,899-900; Dec. 22; Gaz. vol. 137; p. 1933.
 Flour, Wheat-. Wellington & Son. No. 71,903; Dec. 22; Gaz. vol. 137; p. 1934.
 Flour, Wheat-. Red Wing Milling Co. No. 73,052; Dec. 29; Gaz. vol. 137; p. 2215.
 Flour, Wheat and rye. G. W. Wertz. No. 70,063; July 28; Gaz. vol. 135; p. 890.
 Flour, Winter-wheat. J. E. Lane & Son. No. 67,318; Jan. 28; Gaz. vol. 132; p. 837.
 Flours, Certain. Siegel Cooper & Co. No. 67,060; Jan. 14; Gaz. vol. 132; p. 462.
 Flours, Wheat-. Globe Milling Co. No. 68,136; Mar. 10; Gaz. vol. 133; p. 508.
 Flours, Wheat-. Western Flour Mill Company. No. 69,474; June 16; Gaz. vol. 134; p. 1798.
 Flours, Wheat and rye. Crete Mills. No. 69,274; June 2; Gaz. vol. 134; p. 1293.
 Flutes, clarinets, drums, cornets, and their cases. Cundy-Bettoney Company. No. 67,760; Feb. 18; Gaz. vol. 132; p. 1581.
 Food, Blended and mixed dairy. J. W. Biles Company. No. 70,050; July 25; Gaz. vol. 135; p. 889.
 Food, Cereal breakfast. L. Coltrin. No. 69,084; May 19; Gaz. vol. 134; p. 770.
 Food, Cereal breakfast. Pacific Milling Company. No. 69,635; June 23; Gaz. vol. 134; p. 2025.
 Food, Certain. Southern Cotton Oil Company. Nos. 67,061-2; Jan. 14; Gaz. vol. 132; p. 462.
 Food compound, Certain. Genesee Pure Food Company. No. 70,690; Sept. 22; Gaz. vol. 136; p. 844.
 Food for infants and invalids. Fairchild Bros. & Foster. No. 67,932; Feb. 25; Gaz. vol. 132; p. 1833.
 Food for live stock. Great Western Cereal Company. No. 67,312; Jan. 28; Gaz. vol. 132; p. 837.
 Food, Poultry. Crystal Carbonate Lime Company. No. 67,308; Jan. 28; Gaz. vol. 132; p. 837.
 Food preparations, Certain. E. C. Flaccus. No. 67,527; Feb. 4; Gaz. vol. 132; p. 1068.
 Food preparations, Certain. Standard Import Company. No. 67,536; Feb. 4; Gaz. vol. 132; p. 1069.
 Food preparations, Chocolate-flavored. Meatox Company. No. 70,838; Oct. 6; Gaz. vol. 136; p. 1294.
 Food, Prepared dessert. Siegel Cooper & Co. No. 69,019; May 12; Gaz. vol. 134; p. 511.
 Food, Stock. Corn Products Manufacturing Company. Nos. 67,612-13; Feb. 11; Gaz. vol. 132; p. 1315.
 Food, Stock. M. C. Peters. No. 70,068; July 28; Gaz. vol. 135; p. 890.
 Food, Stock. Quaker Oats Company. No. 70,268; Aug. 18; Gaz. vol. 135; p. 1577.
 Food, Stock. M. C. Peters. No. 70,419; Aug. 25; Gaz. vol. 135; p. 1799.
 Foods and beans, Certain cereal and stock. Valley City Milling Company. No. 68,449; Apr. 7; Gaz. vol. 133; p. 1431.
 Foods and flavoring extracts, Certain. H. P. D. Kingsbury. No. 68,672; Apr. 21; Gaz. vol. 133; p. 1931.
 Foods and relishes, Certain. E. C. Flaccus. No. 68,405; Apr. 7; Gaz. vol. 133; p. 1429.
 Foods, Cereal breakfast. Postum Cereal Co. No. 69,283; June 2; Gaz. vol. 134; p. 1294.
 Foods, Cereal breakfast. Postum Cereal Co. No. 70,056; July 28; Gaz. vol. 135; p. 889.
 Foods, Certain. Allen Brothers Company. No. 66,914; Jan. 7; Gaz. vol. 132; p. 225.
 Foods, Certain. Reiss & Brady. No. 66,931; Jan. 7; Gaz. vol. 131; p. 226.
 Foods, Certain. Alart & McGuire. No. 67,036; Jan. 14; Gaz. vol. 132; p. 462.
 Foods, Certain. Libby, McNeill & Libby. No. 67,071; Jan. 14; Gaz. vol. 132; p. 462.
 Foods, Certain. Moos & Co. No. 67,128; Jan. 14; Gaz. vol. 132; p. 464.
 Foods, Certain. Fischer Bros. No. 67,182; Jan. 21; Gaz. vol. 132; p. 674.
 Foods, Certain. Simon Levi Company. No. 67,198; Jan. 21; Gaz. vol. 132; p. 674.
 Foods, Certain. J. K. Armsby Company. No. 67,274; Jan. 28; Gaz. vol. 132; p. 836.
 Foods, Certain. Fischer Bros. No. 67,492; Feb. 4; Gaz. vol. 132; p. 1067.
 Foods, Certain. H. W. Light. No. 67,499; Feb. 4; Gaz. vol. 132; p. 1068.
 Foods, Certain. Kuner Pickle Company. No. 67,580; Feb. 11; Gaz. vol. 132; p. 1314.
 Foods, Certain. A. F. Beckmann & Co. No. 67,588; Feb. 11; Gaz. vol. 132; p. 1314.
 Foods, Certain. C. Eckardt. No. 67,711; Feb. 18; Gaz. vol. 132; p. 1579.
 Foods, Certain. Hulman & Co. No. 67,922; Feb. 25; Gaz. vol. 132; p. 1833.
 Foods, Certain. H. J. Heinz Company. No. 67,934; Feb. 25; Gaz. vol. 132; p. 1833.
 Foods, Certain. Schnull & Co. No. 68,786; Apr. 28; Gaz. vol. 133; p. 2175.
 Foods, Certain. Holbrooks Limited. No. 68,928; May 5; Gaz. vol. 134; p. 253.
 Foods, Certain. Ridenour-Baker Grocery Co. No. 69,017; May 12; Gaz. vol. 134; p. 511.
 Foods, Certain. Crocker Grocery Company. No. 69,104; May 19; Gaz. vol. 134; p. 771.
 Foods, Certain. George Liss & Co. No. 69,107; May 19; Gaz. vol. 134; p. 771.
 Foods, Certain. Armour Packing Company. No. 69,270; June 2; Gaz. vol. 134; p. 1293.
 Foods, Certain. Frank Tea & Spice Co. No. 69,275; June 2; Gaz. vol. 134; p. 1293.
 Foods, Certain. N. Nigro. No. 69,458; June 16; Gaz. vol. 134; p. 1798.

Alphabetical list of trade-marks—Continued.

- Foods, Certain. Holbrook Grocery Co. No. 69,466; June 16; Gaz. vol. 134; p. 1798.
 Foods, Certain. Vittucci-Magnano Inc. No. 69,473; June 16; Gaz. vol. 134; p. 1798.
 Foods, Certain. Home & Colonial Stores. No. 69,812; July 7; Gaz. vol. 135; p. 214.
 Foods, Certain. Alart & McGuire. No. 69,954; July 21; Gaz. vol. 135; p. 658.
 Foods, Certain. Roach, Tisdale & Co. No. 69,970; July 21; Gaz. vol. 135; p. 658.
 Foods, Certain. Colorado Canning Co. No. 70,204; Aug. 11; Gaz. vol. 135; p. 1357.
 Foods, Certain. Foley Bros. & Kelly. No. 70,988; Oct. 20; Gaz. vol. 136; p. 1764.
 Foods, Certain. Union Condensed Milk Company. Nos. 71,080-1; Oct. 27; Gaz. vol. 136; p. 1997.
 Foods, Certain. Foley Bros. & Kelly. No. 71,256-7; Nov. 10; Gaz. vol. 137; p. 471.
 Foods, Certain. Howell & Bursk. No. 71,258; Nov. 10; Gaz. vol. 137; p. 471.
 Foods, Certain. Armour & Company. No. 71,273; Nov. 17; Gaz. vol. 137; p. 727.
 Foods, Certain. Christians Natural Food Company. No. 71,282; Nov. 17; Gaz. vol. 137; p. 727.
 Foods, Certain. Kahn-Beck Co. No. 71,382; Nov. 24; Gaz. vol. 137; p. 971.
 Foods, Certain. Richardson & Robbins Co. No. 71,412; Nov. 24; Gaz. vol. 137; p. 972.
 Foods, Certain. U. S. Horse Radish Co. No. 71,538; Dec. 1; Gaz. vol. 137; p. 1232.
 Foods, Certain. H. F. Hemingway & Co. No. 71,811; Dec. 15; Gaz. vol. 137; p. 1706.
 Foods, Certain. Neuman & Schwiers Co. No. 71,817; Dec. 15; Gaz. vol. 137; p. 1706.
 Foods, Certain cereal. Quaker Oats Company. Nos. 67,483-5; Feb. 4; Gaz. vol. 132; p. 1067.
 Foods, Certain cereal. Nebraska Mercantile Company. No. 67,532; Feb. 4; Gaz. vol. 132; p. 1069.
 Foods, Certain cereal. Montevideo Roller Mill Company. No. 68,498; Apr. 14; Gaz. vol. 133; p. 1673.
 Foods, Certain cereal. Fayetteville Mill Co. No. 69,024; May 12; Gaz. vol. 134; p. 511.
 Foods, Certain cereal. F. Fuller. No. 69,303; June 2; Gaz. vol. 134; p. 1294.
 Foods, Certain saccharine. Fischer Bros. No. 67,181; Jan. 21; Gaz. vol. 132; p. 674.
 Foods, Certain sea. E. Shivel. No. 66,936; Jan. 7; Gaz. vol. 132; p. 226.
 Foods, Certain sea. E. Shivel. No. 67,167; Jan. 21; Gaz. vol. 132; p. 674.
 Foods, Certain sea. Strohmeier & Arpe Company. Nos. 67,168-9; Jan. 21; Gaz. vol. 132; p. 674.
 Foods, Certain sea. Strohmeier & Arpe Company. No. 67,729; Feb. 18; Gaz. vol. 132; p. 1580.
 Foods, Certain sea. Ridenour-Baker Grocery Co. No. 68,639; Apr. 21; Gaz. vol. 133; p. 1930.
 Foods for infants. Frame Food Company Limited. No. 71,161; Nov. 3; Gaz. vol. 137; p. 225.
 Foods, Poultry and pigeon. H. E. Conklin. No. 69,660; June 30; Gaz. vol. 134; p. 2239.
 Foods, Stock. Quaker Oats Company. Nos. 67,441-3; Feb. 4; Gaz. vol. 132; p. 1066.
 Foot-coverings composed wholly or partly of rubber. Crawford, McGregor & Canby Co. No. 70,097; July 28; Gaz. vol. 135; p. 890.
 Foot-protectors. M. Schultz. No. 71,193; Nov. 10; Gaz. vol. 137; p. 469.
 Foot-supporters. A. Hirschfeld. No. 71,964; Dec. 22; Gaz. vol. 137; p. 1935.
 Footwear, Certain. A. A. Cutter Company. No. 68,949; May 12; Gaz. vol. 134; p. 509.
 Forks and hoes. Withington & Cooley Manufacturing Company. No. 68,157; Mar. 10; Gaz. vol. 133; p. 509.
 Forks, rakes, and hoes. American Fork & Hoe Company. No. 67,688; Feb. 11; Gaz. vol. 132; p. 1317.
 Foundry-facings and graphite. United States Graphite Company. No. 67,120; Jan. 14; Gaz. vol. 132; p. 464.
 Foundry-facings, &c., Certain. United States Graphite Co. No. 67,215; Jan. 21; Gaz. vol. 132; p. 675.
 Foundry partings and facings. E. J. Seaman. No. 70,251; Aug. 18; Gaz. vol. 135; p. 1577.
 Freight-lowering apparatus. Lowerator Company of America. No. 70,010; July 21; Gaz. vol. 135; p. 659.
 Fruit and vegetables, Hermetically-sealed. Griffin and Skelley Co. No. 72,023; Dec. 29; Gaz. vol. 137; p. 2214.
 Fruit-juice, Carbonated. M. Wineburgh. No. 69,234; May 26; Gaz. vol. 134; p. 1047.
 Fruit juice, Lime-. Evans Sons Lescher & Webb. No. 70,483; Sept. 8; Gaz. vol. 136; p. 433.
 Fruit-syrups. G. Finora. No. 68,303; Mar. 24; Gaz. vol. 133; p. 987.
 Fruits and canned vegetables, Preserved. Curtice Brothers Company. No. 71,013; Oct. 27; Gaz. vol. 137; p. 1995.
 Fruits and catsup, Dried. Drake & Company. No. 66,948; Jan. 7; Gaz. vol. 132; p. 226.
 Fruits and vegetables, Canned. H. K. Fooks & Co. No. 71,376; Nov. 24; Gaz. vol. 137; p. 971.
 Fruits and vegetables, Certain. Griffin & Skelley Co. No. 68,779; Apr. 28; Gaz. vol. 133; p. 2175.
 Fruits and vegetables, Fresh. W. H. Fox. No. 67,713; Feb. 18; Gaz. vol. 132; p. 1579.
 Fruits and vegetables, Green, dried, and preserved. Glorietta Ranch Company. No. 67,445; Feb. 4; Gaz. vol. 132; p. 1066.
 Fruits, Canned. J. H. Flickinger Co. No. 71,302; Nov. 17; Gaz. vol. 137; p. 728.
 Fruits, Citrus. E. Stevens. No. 69,637; June 23; Gaz. vol. 134; p. 2025.
 Fruits, Dried. J. K. Armsby Company. Nos. 67,269-71; Jan. 28; Gaz. vol. 132; p. 836.
 Fruits, Dried. J. K. Armsby Company. Nos. 67,275-6; Jan. 28; Gaz. vol. 132; p. 836.
 Fruits, Dried. J. K. Armsby Company. Nos. 68,218-20; Mar. 17; Gaz. vol. 133; p. 757.
 Fruits, Dried. J. K. Armsby Company. Nos. 68,228-29; Mar. 17; Gaz. vol. 133; p. 757.
 Fruits, Dried. J. K. Armsby Company. No. 68,235; Mar. 17; Gaz. vol. 133; p. 758.
 Fruits, Dried. J. K. Armsby Company. Nos. 68,242-3; Mar. 17; Gaz. vol. 133; p. 758.
 Fruits, Dried. J. K. Armsby Company. Nos. 68,408-9; Apr. 7; Gaz. vol. 133; p. 1430.
 Fruits, Dried. J. K. Armsby Company. Nos. 68,665-6; Apr. 21; Gaz. vol. 133; p. 1931.
 Fruits, Dried and evaporated. Griffin & Skelley Co. No. 68,778; Apr. 28; Gaz. vol. 133; p. 2175.
 Fruits, Fresh. Bayless Fruit Co. No. 67,524; Feb. 4; Gaz. vol. 132; p. 1068.
 Fruits, Hermetically-sealed. Griffin & Skelley Co. Nos. 68,776-7; Apr. 28; Gaz. vol. 133; p. 2175.
 Fruits, Preserved. A. A. Kearns. No. 71,383; Nov. 24; Gaz. vol. 137; p. 971.
 Fuel, Artificial. Standard Fuel Co. No. 68,038; Mar. 3; Gaz. vol. 133; p. 225.
 Fumigant, Soil-. W. Cooper & Nephews. No. 71,012; Oct. 27; Gaz. vol. 136; p. 1995.
 Fur and skins, Dyed. Goodman Chemical Co. No. 71,875; Dec. 22; Gaz. vol. 137; p. 1933.
 Fur wearing-apparel and fur articles. L. D. Baer. Nos. 71,006-7; Oct. 27; Gaz. vol. 136; p. 1995.
 Furnace, Gas heater-. L. O. Cameron. No. 70,482; Sept. 8; Gaz. vol. 136; p. 433.
 Furnaces. Kelsey Heating Company. No. 69,212; May 26; Gaz. vol. 134; p. 1046.
 Furnaces and burners, Certain. W. Scrimgeour, Jr. No. 68,559; Apr. 14; Gaz. vol. 133; p. 1675.
 Furnaces, Heating-. F. Fieberger. No. 67,045; Jan. 14; Gaz. vol. 132; p. 462.
 Furniture and metal polish. S. W. Bonsall. No. 68,706; Apr. 28; Gaz. vol. 133; p. 2173.
 Furniture, Article of. V. D. Burnam. No. 71,864; Dec. 15; Gaz. vol. 137; p. 1707.
 Furniture, Certain. J. L. Tandy. No. 67,881; Feb. 25; Gaz. vol. 132; p. 1832.
 Furniture, Certain. E. E. Dryden. No. 69,477; June 16; Gaz. vol. 134; p. 1798.
 Furniture, Certain. Ford & Johnson Co. No. 70,657; Sept. 22; Gaz. vol. 136; p. 843.
 Furniture, Mission. L. B. Ridenour. No. 68,506; Apr. 14; Gaz. vol. 133; p. 1674.
 Furniture-polish. A. S. Hicks. No. 67,335; Jan. 28; Gaz. vol. 132; p. 838.
 Furniture-polish. Standard Furniture Company. No. 68,914; May 5; Gaz. vol. 134; p. 252.
 Furniture-polish. F. L. Taylor. No. 71,215; Nov. 10; Gaz. vol. 137; p. 470.
 Fuses. Coast Manufacturing & Supply Co. No. 68,234; Mar. 17; Gaz. vol. 133; p. 758.
 Fuses and blasting-caps. Lafin & Rand Powder Company. No. 68,892; May 5; Gaz. vol. 134; p. 252.
 Fuses, Powder-train. Coast Manufacturing & Supply Co. Nos. 70,570-1; Sept. 15; Gaz. vol. 136; p. 654.
 Fuses, Slow-burning. Coast Manufacturing & Supply Co. No. 70,503; Sept. 8; Gaz. vol. 136; p. 433.
 Gage boards and frames, Wooden. Ashcroft Manufacturing Company. No. 68,091; Mar. 10; Gaz. vol. 133; p. 507.
 Game. A. G. Spalding & Bros. No. 68,254; Mar. 17; Gaz. vol. 133; p. 758.
 Game, Card. D. C. Mitchell. No. 69,166; May 26; Gaz. vol. 134; p. 1045.
 Game, Card. G. W. L. Edwards. No. 69,439; June 16; Gaz. vol. 134; p. 1797.
 Game, Certain. E. I. Horsman Co. No. 67,253; Jan. 28; Gaz. vol. 132; p. 835.
 Games, Card. John Jaques & Son. No. 68,997; May 12; Gaz. vol. 134; p. 510.
 Garment and hose supporters and arm-bands. A. Stein & Company. No. 68,836; Apr. 28; Gaz. vol. 133; p. 2176.
 Garment-closure fasteners, Separable. Clarke Sales Company. No. 71,827; Dec. 15; Gaz. vol. 137; p. 1706.
 Garment-hangers. A. Schlang. Nos. 70,670-3; Sept. 22; Gaz. vol. 136; p. 844.
 Garment-hangers, Metallic. R. P. Beatty. No. 67,625; Feb. 11; Gaz. vol. 132; p. 1315.
 Garment-supporters. Venus Manufacturing Co. No. 68,197; Mar. 10; Gaz. vol. 133; p. 510.
 Garters. Harris Suspender Company. No. 67,935; Feb. 25; Gaz. vol. 132; p. 1833.
 Garters. W. S. Freeman. No. 71,684; Dec. 8; Gaz. vol. 137; p. 1479.
 Garters and arm-bands. Ohio Suspender Company. No. 71,312; Nov. 17; Gaz. vol. 137; p. 728.
 Gas-burners, Mantles for incandescent. Ramie Co. No. 69,112; May 19; Gaz. vol. 134; p. 771.
 "Gas" for disinfecting and medicinal purposes. D. D. Richardson. No. 69,202; May 26; Gaz. vol. 134; p. 1046.

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- Gas generators, Acetylene-. R. P. Elliott. No. 68,547; Apr. 14; Gaz. vol. 133; p. 1675.
 Gas generators and lamps and parts thereof, Acetylene-. E. M. Rosenbluth. No. 69,113; May 19; Gaz. vol. 134; p. 771.
 Gas-mantles, Incandescent. A. Jackson. No. 69,666; June 30; Gaz. vol. 134; p. 2239.
 Gas-mantles, Inverted. Block Light Company. No. 70,093; July 28; Gaz. vol. 135; p. 890.
 Gasolene. Cincinnati Oil Works Company. No. 70,216; Aug. 11; Gaz. vol. 135; p. 1358.
 Gelatin. S. Laprévotte & Co. No. 68,781; Apr. 28; Gaz. vol. 133; p. 2175.
 Gelatin. S. Laprévotte & Co. No. 68,849; Apr. 28; Gaz. vol. 133; p. 2177.
 Gelatin. Crystal Gelatine Company. No. 70,410; Aug. 25; Gaz. vol. 135; p. 1799.
 Gelatin, Food. J. & G. Cox. No. 68,407; Apr. 7; Gaz. vol. 133; p. 1430.
 Germicides and disinfectants. H. Deperdussin. No. 67,011; Jan. 14; Gaz. vol. 132; p. 461.
 Gilding-tools. W. N. Coe Manufacturing Company. No. 70,321; Aug. 18; Gaz. vol. 135; p. 1579.
 Gin. West End Wine & Spirits Co. No. 67,105; Jan. 14; Gaz. vol. 132; p. 463.
 Gin. Cook & Bernheimer Co. No. 67,956; Feb. 25; Gaz. vol. 132; p. 1834.
 Gin. Edward & John Burke. No. 68,357; Mar. 31; Gaz. vol. 133; p. 1184.
 Gin. Tanqueray Gordon & Co. No. 68,640; Apr. 21; Gaz. vol. 133; p. 1930.
 Gin cocktails. G. Stiegler & Co. No. 70,695; Sept. 22; Gaz. vol. 136; p. 844.
 Gin, Compounded buchu. J. Grossman's Sons. No. 70,624; Sept. 15; Gaz. vol. 136; p. 655.
 Gin, Distilled dry. New York and Kentucky Co. No. 71,533; Dec. 1; Gaz. vol. 137; p. 1232.
 Gin, Old Tom straight. G. Stiegler & Co. No. 70,494; Sept. 8; Gaz. vol. 136; p. 433.
 Gin, Sloe. Tanqueray Gordon & Co. No. 68,368; Mar. 31; Gaz. vol. 133; p. 1184.
 Gin, Straight sloe. G. Stiegler & Co. No. 71,003; Oct. 20; Gaz. vol. 136; p. 1765.
 Ginger-snaps. Standand Biscuit Co. No. 69,972; July 21; Gaz. vol. 135; p. 658.
 Gingham. W. Anderson & Co. No. 67,281; Jan. 28; Gaz. vol. 132; p. 836.
 Ginghams, chambrays, and shirtings. Eno Cotton Mills. No. 68,684; Apr. 21; Gaz. vol. 131; p. 1931.
 Ginseng compound. N. B. Mattie. No. 70,418; Aug. 25; Gaz. vol. 135; p. 1799.
 Glass and metal polish. Kaolo Manufacturing Company. No. 69,789; July 7; Gaz. vol. 135; p. 213.
 Glass globes for lights. Fostoria Glass Specialty Company. No. 70,368; Aug. 25; Gaz. vol. 135; p. 1798.
 Glass siphons. Koscherak Bros. Nos. 68,390-1; Apr. 7; Gaz. vol. 133; p. 1429.
 Glass substitutes, Stained-. E. Mayhew. No. 70,577; Sept. 15; Gaz. vol. 136; p. 654.
 Glass tiles. Monarch Tile Co. Nos. 68,017-18; Mar. 3; Gaz. vol. 133; p. 224.
 Glass tubes. Schott & Gen. No. 69,928; July 21; Gaz. vol. 135; p. 657.
 Glass vessels with vacuum between the walls, Double-walled. Thermos-Gesellschaft m. b. H. No. 67,002; Jan. 7; Gaz. vol. 132; p. 228.
 Glass, Window-. E. J. Dobbins. No. 69,550; June 23; Gaz. vol. 134; p. 2023.
 Glassware, Certain. Gill Brothers Company. No. 68,799; Apr. 28; Gaz. vol. 133; p. 2175.
 Glassware, Certain. Gill Brothers Company. Nos. 69,481-2; June 16; Gaz. vol. 134; p. 1798.
 Glassware, Certain. Ehrlich & Graetz. No. 69,551; June 23; Gaz. vol. 134; p. 2023.
 Glassware, Certain. Schott & Gen. No. 69,929-30; July 21; Gaz. vol. 135; p. 657.
 Glassware, Certain. Schott & Gen. No. 70,273; Aug. 18; Gaz. vol. 135; p. 1577.
 Glassware, Certain. Schott & Gen. No. 70,275; Aug. 18; Gaz. vol. 135; p. 1577.
 Glassware, Certain. Opalite Tile Co. No. 70,706; Sept. 29; Gaz. vol. 136; p. 1063.
 Glassware, Certain. Anchor Glass Company. No. 71,249; Nov. 10; Gaz. vol. 137; p. 471.
 Glove and dress fasteners and buttons. Fownes Brothers & Co. No. 70,324; Aug. 25; Gaz. vol. 135; p. 1797.
 Gloves. Marshall Field & Company. No. 67,567; Feb. 11; Gaz. vol. 132; p. 1313.
 Gloves. Elite Glove Co. No. 69,533; June 16; Gaz. vol. 134; p. 1800.
 Gloves. G. A. Moss. No. 72,006; Dec. 29; Gaz. vol. 137; p. 2213.
 Gloves and cloaks, Kid. Perlmutter. No. 68,053; Mar. 3; Gaz. vol. 133; p. 225.
 Gloves, Base-ball. A. J. Reach Company. No. 67,239; Jan. 28; Gaz. vol. 132; p. 835.
 Gloves, Kid. Greenhut & Company. No. 68,048; Mar. 3; Gaz. vol. 133; p. 225.
 Gloves, Kid. T. N. Foster & Co. No. 69,745; June 30; Gaz. vol. 134; p. 2241.
 Gloves, Kid. Steinberger & Kalisher. No. 70,676; Sept. 22; Gaz. vol. 136; p. 844.
 Gloves, Kid. Steinberger & Kalisher. Nos. 71,034-5; Oct. 27; Gaz. vol. 136; p. 1995.
 Gloves, Kid. T. N. Foster & Co. No. 71,183; Nov. 10; Gaz. vol. 137; p. 469.
 Gloves, Leather. Marshall Field & Company. No. 67,719; Feb. 18; Gaz. vol. 132; p. 1579.
 Gloves, Leather. Saranac Glove Company. No. 67,722; Feb. 18; Gaz. vol. 132; p. 1580.
 Gloves, Leather. Strawbridge & Clothier. No. 68,458; Apr. 7; Gaz. vol. 133; p. 1431.
 Gloves, Leather. Strawbridge & Clothier. No. 68,879; May 5; Gaz. vol. 134; p. 251.
 Gloves, Leather. California Glove Company. No. 71,989; Dec. 29; Gaz. vol. 137; p. 2213.
 Gloves, Leather. California Glove Company. No. 72,000; Dec. 29; Gaz. vol. 137; p. 2213.
 Gloves, mittens, and gauntlets, Leather. Joseph N. Eisendrath Company. No. 67,514; Feb. 4; Gaz. vol. 132; p. 1068.
 Gloves, mitts, underwear, hosiery, and stockings. Merrill Silk Company. No. 71,305; Nov. 17; Gaz. vol. 137; p. 728.
 Glue. Peter Cooper's Glue Factory. Nos. 71,601-2; Dec. 1; Gaz. vol. 137; p. 1234.
 Glue and glue pitch, Marine. Jeffery's Patent Marine Glue Works. No. 69,042; May 19; Gaz. vol. 134; p. 769.
 Glue, Marine. Asphaltum Products Company. No. 71,860; Dec. 15; Gaz. vol. 137; p. 1707.
 Glucose. Corn Products Manufacturing Company. No. 69,782; July 7; Gaz. vol. 135; p. 213.
 Gold paste for decorating. W. D. Dalglish. No. 67,070; Jan. 14; Gaz. vol. 132; p. 462.
 Gold size. Cornish Eureka Gold Size Co. No. 71,777; Dec. 15; Gaz. vol. 137; p. 1705.
 Goulash, Hungarian-style. Acorn Canning Co. No. 71,158; Nov. 3; Gaz. vol. 137; p. 224.
 Governors and steam-pumps, Centrifugal. Gardner Governor Company. No. 69,440; June 16; Gaz. vol. 134; p. 1797.
 Graining compound. Chicago Wood Finishing Co. No. 70,014; July 21; Gaz. vol. 135; p. 659.
 Grape-juice. Paw Paw Grape Juice Co. No. 68,313; Mar. 24; Gaz. vol. 133; p. 987.
 Grape-juice. Vineland Grape Juice Co. No. 71,246; Nov. 10; Gaz. vol. 137; p. 471.
 Grapes, Baskets and packages of. Keystone Grape Company. No. 70,958; Oct. 20; Gaz. vol. 136; p. 1764.
 Graphophones. Columbia Phonograph Company, General. No. 66,997; Jan. 7; Gaz. vol. 132; p. 228.
 Grass-hooks, axes, hatchets, &c. American Axle & Tool Co. No. 67,108; Jan. 14; Gaz. vol. 132; p. 463.
 Grates. McClave-Brooks Co. No. 67,836; Feb. 18; Gaz. vol. 132; p. 1583.
 Grease, Axle. Belknap Hardware and Manufacturing Company. No. 71,424; Nov. 24; Gaz. vol. 137; p. 973.
 Grease, Axle. Monarch Manufacturing Company. No. 71,549; Dec. 1; Gaz. vol. 137; p. 1232.
 Grit for poultry. Edge Hill Silica Rock Co. No. 69,844; July 14; Gaz. vol. 135; p. 445.
 Guano. Alabama Chemical Company. No. 71,952; Dec. 22; Gaz. vol. 137; p. 1935.
 Guano. Alabama Chemical Company. Nos. 71,973-4; Dec. 22; Gaz. vol. 137; p. 1936.
 Guano. Alabama Chemical Company. Nos. 71,976-7; Dec. 22; Gaz. vol. 137; p. 1936.
 Guano. Alabama Chemical Company. No. 71,979; Dec. 22; Gaz. vol. 137; p. 1936.
 Guano and bone fertilizers. Standard Chemical & Oil Company. No. 67,586; Feb. 11; Gaz. vol. 132; p. 1314.
 Gum and candy, Chewing-. D. H. Reeder. No. 67,721; Feb. 18; Gaz. vol. 132; p. 1579.
 Gum, Chewing-. Baltimore Chewing Gum Co. No. 66,916; Jan. 7; Gaz. vol. 132; p. 225.
 Gum, Chewing-. Indianapolis Warehouse Company. No. 67,552; Feb. 11; Gaz. vol. 132; p. 1313.
 Gum, Chewing-. Common Sense Gum Co. No. 67,994; Mar. 3; Gaz. vol. 133; p. 224.
 Gum, Chewing-. Baltimore Chewing Gum Co. No. 68,434; Apr. 7; Gaz. vol. 133; p. 1430.
 Gum, Chewing-. G. H. Pembroke. No. 68,655; Apr. 21; Gaz. vol. 133; p. 1931.
 Gum, Chewing-. Doniphan & Co. No. 69,769; July 7; Gaz. vol. 135; p. 213.
 Gum, Chewing-. Wilson Chewing Gum Co. No. 69,863; July 14; Gaz. vol. 135; p. 445.
 Gum, Chewing-. F. J. Banta & Son. No. 70,981; Oct. 20; Gaz. vol. 136; p. 1764.
 Gum, Chewing-. Zeno Manufacturing Co. No. 71,005; Oct. 20; Gaz. vol. 136; p. 1765.
 Gum, Chewing-. C. H. Stewart. No. 71,416; Nov. 24; Gaz. vol. 137; p. 972.
 Gum, Chewing-. O. D. Jones. No. 71,640; Dec. 8; Gaz. vol. 137; p. 1478.
 Gum, Chewing-. Toledo Chewing Gum Company. No. 71,825; Dec. 15; Gaz. vol. 137; p. 1706.
 Gums, Chewing-. National Candy Company. No. 66,930; Jan. 7; Gaz. vol. 132; p. 226.
 Guns, rifles, and revolvers, Shot-. Harrington and Richardson Arms Company. No. 66,950; Jan. 7; Gaz. vol. 132; p. 226.
 Guns, Shot-. Norvell-Shapleigh Hardware Company. No. 68,123; Mar. 10; Gaz. vol. 133; p. 508.
 Gypsum, Calcined. Empire Gypsum Company. No. 68,494; Apr. 14; Gaz. vol. 133; p. 1673.
 Hair, Certain preparations for the. H. E. Nichols. No. 69,492; June 16; Gaz. vol. 134; p. 1799.
 Hair, Contrivance of human. M. F. Thompson. No. 69,414; June 9; Gaz. vol. 134; p. 1559.
 Hair-cosmetics. H. Schwarzkopf. No. 67,897; Feb. 25; Gaz. vol. 132; p. 1832.

Alphabetical list of trade-marks—Continued.

- Hair from hides, Compound for removing. L. Cheeseman. No. 70,218; Aug. 11; Gaz. vol. 135; p. 1358.
 Hair goods. A. Simonson. No. 68,176; Mar. 10; Gaz. vol. 133; p. 509.
 Hair nets and rolls. Moritz Kalmus & Neffen. No. 68,833; Apr. 28; Gaz. vol. 133; p. 2176.
 Hair-oil. L. Rosemond. No. 71,514; Dec. 1; Gaz. vol. 137; p. 1231.
 Hair-plins. Bachmann Brothers. No. 69,223; May 26; Gaz. vol. 134; p. 1046.
 Hair-plins. De Long Hook and Eye Company. No. 69,404; June 9; Gaz. vol. 134; p. 1559.
 Hair preparations. A. B. Bellman & Co. No. 67,991; Mar. 3; Gaz. vol. 133; p. 223.
 Hair, Remedy for falling. C. S. Smith. No. 68,251; Mar. 17; Gaz. vol. 133; p. 758.
 Hair-remover. S. M. Turrill. No. 68,127; Mar. 10; Gaz. vol. 133; p. 508.
 Hair-remover. O. J. Harris. No. 69,886; July 14; Gaz. vol. 135; p. 446.
 Hair-remover. W. G. Korony. No. 71,235; Nov. 10; Gaz. vol. 137; p. 470.
 Hair-remover. C. A. Etherington. No. 71,503; Dec. 1; Gaz. vol. 137; p. 1231.
 Hair-restorative. G. Grcamba. No. 67,979; Mar. 3; Gaz. vol. 133; p. 223.
 Hair-restorer. M. M. Snyder. No. 68,353; Mar. 31; Gaz. vol. 133; p. 1184.
 Hair-tonic. J. B. Johnson. No. 67,025; Jan. 14; Gaz. vol. 132; p. 461.
 Hair-tonic. St. Luke Remedies Co. No. 67,424; Feb. 4; Gaz. vol. 132; p. 1066.
 Hair-tonic. J. E. Company. No. 67,968; Mar. 3; Gaz. vol. 133; p. 223.
 Hair-tonic. H. Lay. No. 67,980; Mar. 3; Gaz. vol. 133; p. 223.
 Hair-tonic. K. Culver. No. 68,514; Apr. 14; Gaz. vol. 133; p. 1674.
 Hair-tonic. F. J. Pieper. No. 68,900; May 5; Gaz. vol. 134; p. 252.
 Hair-tonic. A. S. Strouse Mfg. Co. No. 71,243; Nov. 10; Gaz. vol. 137; p. 470.
 Hair-tonic. F. I. Carreras. No. 71,254; Nov. 10; Gaz. vol. 137; p. 471.
 Hair-tonic. D. E. Shepherd. No. 71,720; Dec. 15; Gaz. vol. 137; p. 1703.
 Hair-tonic, dandruff-remover, and shampoo preparations. F. W. Fitch. No. 69,936; July 21; Gaz. vol. 135; p. 657.
 Hair-tonic, Liquid. W. Southworth. No. 70,232; Aug. 11; Gaz. vol. 135; p. 1358.
 Hair-tonic, toilet water and cream. Ozo Company. No. 68,911; May 5; Gaz. vol. 134; p. 252.
 Hair-tonics. H. L. Herring. No. 67,577; Feb. 11; Gaz. vol. 132; p. 1314.
 Hair-tonics. Sage Brush Tonic Co. No. 68,527; Apr. 14; Gaz. vol. 133; p. 1674.
 Hair-tonics. Southern Medicine Co. No. 69,139; May 19; Gaz. vol. 134; p. 772.
 Hair-wash. Felix Tempest Co. No. 69,597; June 23; Gaz. vol. 134; p. 2024.
 Hair-wash. Koko Maricopas Company. No. 70,258; Aug. 18; Gaz. vol. 135; p. 1577.
 Halibut, Smoked. International Fisheries Co. Nos. 67,554-5; Feb. 11; Gaz. vol. 132; p. 1313.
 Ham, bacon, and lard. T. L. Boyd. No. 70,203; Aug. 11; Gaz. vol. 135; p. 1357.
 Ham, bacon, and sausages. W. H. Miner. No. 68,442; Apr. 7; Gaz. vol. 133; p. 1430.
 Hams. E. B. Widman. No. 69,795; July 7; Gaz. vol. 135; p. 214.
 Hams and bacon. Street and Corkran Company. No. 69,069; May 19; Gaz. vol. 134; p. 770.
 Hams and bacon. Brittain & Company. No. 70,951; Oct. 20; Gaz. vol. 136; p. 1763.
 Hames. Hock Hames Co. No. 67,635; Feb. 11; Gaz. vol. 132; p. 1315.
 Hames and attachments therefor. U. S. Hame Company. No. 69,415; June 9; Gaz. vol. 134; p. 1559.
 Hames and trimmings therefor. U. S. Hame Company. No. 67,960; Feb. 25; Gaz. vol. 132; p. 1834.
 Hames, Wooden. Beagle Hame Works. No. 67,220; Jan. 21; Gaz. vol. 132; p. 675.
 Haulmers. Wiebusch & Hilger. No. 66,956; Jan. 7; Gaz. vol. 132; p. 227.
 Hammers. Norvell-Shapleigh Hardware Company. No. 67,792; Feb. 13; Gaz. vol. 132; p. 1581.
 Hammers. Norvell-Shapleigh Hardware Company. No. 68,011; Mar. 3; Gaz. vol. 133; p. 224.
 Hammers, Trip. L. Mayer. No. 71,391; Nov. 24; Gaz. vol. 137; p. 971.
 Hammocks. J. E. Palmer Co. Nos. 68,861-2; May 5; Gaz. vol. 134; p. 251.
 Handkerchiefs. International Manufacturing Co. Nos. 70,882-6; Oct. 13; Gaz. vol. 136; p. 1528.
 Handkerchiefs. Heller & Long. No. 71,298; Nov. 17; Gaz. vol. 137; p. 727.
 Handkerchiefs. International Manufacturing Company. Nos. 71,965-7; Dec. 22; Gaz. vol. 137; p. 1935.
 Handkerchiefs. Linen and cambric. Belfast Linen Handkerchief Co. No. 71,846; Dec. 15; Gaz. vol. 137; p. 1707.
 Hardware, Certain. Covert Manufacturing Company. Nos. 68,857-8; May 5; Gaz. vol. 134; p. 251.
 Hardware, Certain. J. B. Hasenclever & Söhne. Nos. 70,362-3; Aug. 25; Gaz. vol. 135; p. 1798.
 Hardware, Certain. J. B. Hasenclever & Söhne. No. 70,576; Sept. 15; Gaz. vol. 136; p. 654.
 Hardware, Certain. Thomas Laughlin Company. No. 71,266; Nov. 10; Gaz. vol. 137; p. 471.
 Hardware, steam-fitting and plumbing supplies, Certain. Grabler Manufacturing Company. No. 69,606; June 23; Gaz. vol. 134; p. 2024.
 Harmonicas. Strauss, Brothers & Co. No. 68,260; Mar. 17; Gaz. vol. 133; p. 758.
 Harness and leather polishing preparations. P. Jamieson. Nos. 71,206-8; Nov. 10; Gaz. vol. 137; p. 470.
 Harness and whips. George Worthington Company. No. 69,108; May 19; Gaz. vol. 134; p. 771.
 Harness, Certain. Covert Manufacturing Co. No. 67,829; Feb. 18; Gaz. vol. 132; p. 1582.
 Harness, Certain. Covert Manufacturing Co. No. 67,887; Feb. 25; Gaz. vol. 132; p. 1832.
 Harness, Certain. Covert Manufacturing Company. Nos. 68,922-4; May 5; Gaz. vol. 134; p. 253.
 Harness hardware, Certain. Covert Manufacturing Company. No. 69,177; May 26; Gaz. vol. 134; p. 1045.
 Harness, horse-collars, and saddles. Pierson & Hough Co. No. 68,075; Mar. 3; Gaz. vol. 133; p. 226.
 Harness parts, Certain. North & Judd Manufacturing Company. No. 70,139; Aug. 4; Gaz. vol. 135; p. 1117.
 Harness, saddles, collars, whips, and lap-ropes. Harris Saddlery Company. No. 68,927; May 5; Gaz. vol. 134; p. 253.
 Harness, saddles, horse-collars, bridles, &c. Straus Saddlery Company. No. 71,605; Dec. 1; Gaz. vol. 137; p. 1234.
 Harrows. E. M. Kramer Co. No. 70,052; July 28; Gaz. vol. 135; p. 889.
 Harvesters and front-cut grass-mowers, Grain-binding. International Harvester Company of America. No. 71,944; Dec. 22; Gaz. vol. 137; p. 1935.
 Hat and bonnet frames. E. W. Magee. No. 71,346; Nov. 17; Gaz. vol. 137; p. 729.
 Hat-frames, Felt and wire. A. N. Dana. No. 69,980; July 21; Gaz. vol. 135; p. 658.
 Hat-hangers. J. J. Kulhawik. No. 67,515; Feb. 4; Gaz. vol. 132; p. 1068.
 Hat-trimmings, Certain. Aitken, Son & Co. No. 68,854; May 5; Gaz. vol. 134; p. 251.
 Hats and caps. Hawes Hat Company. No. 68,453; Apr. 7; Gaz. vol. 133; p. 1431.
 Hats and caps. Frank P. Heid & Company. Nos. 69,197-8; May 26; Gaz. vol. 134; p. 1046.
 Hats and caps, Cloth. B. Solash. No. 69,088; May 19; Gaz. vol. 134; p. 770.
 Hats and caps of cloth, wool, felt, fur, and straw. Keith Brothers & Co. No. 71,445; Nov. 24; Gaz. vol. 137; p. 973.
 Hats and cloth caps, Felt, straw, and stiff. Yale Hat Co. No. 67,539; Feb. 4; Gaz. vol. 132; p. 1069.
 Hats, Certain. Borsalino Giuseppe e Fratello Società Anonima. No. 71,575; Dec. 1; Gaz. vol. 137; p. 1233.
 Hats, Felt. E. A. Mallory and Sons. No. 70,547; Sept. 15; Gaz. vol. 136; p. 653.
 Hats, Felt. Fav-Gorman Company. No. 71,437; Nov. 24; Gaz. vol. 137; p. 973.
 Hats, Gentlemen's felt derbies and soft-brimmed. Borsalino Giuseppe e Fratello Società Anonima. No. 71,574; Dec. 1; Gaz. vol. 137; p. 1222.
 Hats, Men's and boys'. Wallerstein Brothers. No. 69,654; June 23; Gaz. vol. 134; p. 2025.
 Hats, Straw. G. George. No. 71,440; Nov. 24; Gaz. vol. 137; p. 973.
 Hatchets and axes. Supplee Hardware Company. No. 68,026; Mar. 3; Gaz. vol. 133; p. 224.
 Hatchets and saws. Russell & Erwin Manufacturing Company. No. 68,402; Apr. 7; Gaz. vol. 133; p. 1429.
 Hay and straw. Baled. E. Steen & Brother. No. 70,181; Aug. 11; Gaz. vol. 135; p. 1357.
 Hay or alfalfa-meal. Ground. M. C. Peters. No. 71,818; Dec. 15; Gaz. vol. 137; p. 1706.
 Head-gear frames. Cream City Bonnet Frame Works. No. 70,754; Sept. 29; Gaz. vol. 136; p. 1064.
 Headache-powders and liver-pills. Joseph S. De Leste Manufacturing Chemical Co. No. 69,816; July 7; Gaz. vol. 135; p. 214.
 Headache-wafers. E. C. Lytle. No. 69,265; June 2; Gaz. vol. 134; p. 1293.
 Headlights. R. E. Dietz Company. No. 71,477; Nov. 24; Gaz. vol. 137; p. 974.
 Headlights, Gas. R. E. Dietz Company. No. 71,603; Dec. 1; Gaz. vol. 137; p. 1234.
 Heat or temperature regulator. Fulton Company. No. 68,046; Mar. 3; Gaz. vol. 133; p. 225.
 Heaters, &c., Hot-water. Model Heating Company. No. 67,648; Feb. 11; Gaz. vol. 132; p. 1316.
 Heaters, Steam and hot-water. Pierce Butler & Pierce Manufacturing Company. No. 72,072; Dec. 29; Gaz. vol. 137; p. 2215.
 Heating and lighting apparatus, Certain. Daimler-Motoren-Gesellschaft. No. 71,331; Nov. 17; Gaz. vol. 137; p. 728.
 Heating and lighting apparatus, Certain. Ehrlich & Graetz. No. 71,332; Nov. 17; Gaz. vol. 137; p. 728.
 Heating apparatus, Certain. Reliance Heater & Supply Company. No. 68,932; May 5; Gaz. vol. 134; p. 253.
 Heating apparatus, Certain. J. F. Grosswiller. No. 69,608; June 23; Gaz. vol. 134; p. 2024.
 Heating apparatus, Certain. Illinois Malleable Iron Co. No. 70,881; Oct. 13; Gaz. vol. 136; p. 1528.
 Heating apparatus, Certain. I. A. Sheppard & Co. No. 71,265; Nov. 10; Gaz. vol. 137; p. 471.

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- Heating apparatus, Certain. Isaac A. Sheppard & Co. No. 71,672; Dec. 8; Gaz. vol. 137; p. 1479.
 Heating, lighting, and ventilating apparatus, Certain. Alcohol Light, Heat and Power Company. No. 67,805; Feb. 18; Gaz. vol. 132; p. 1582.
 Heel and counter supports. Frank W. Whitcher Co. No. 70,302; Aug. 18; Gaz. vol. 135; p. 1578.
 Herbal tea. E. F. Wujcik. No. 68,450; Apr. 7; Gaz. vol. 133; p. 1431.
 Herrings, Preserved or canned. A. Watson & Co. No. 69,020; May 12; Gaz. vol. 134; p. 511.
 Hides and leather. W. D. Byron & Sons. No. 70,513; Sept. 8; Gaz. vol. 136; p. 434.
 Hinges and hinge-blanks. Columbian Hardware Company. No. 67,864; Feb. 25; Gaz. vol. 132; p. 1831.
 Hinges, Spring-. Columbian Hardware Company. No. 70,096; July 28; Gaz. vol. 135; p. 890.
 Hoes. Withington & Cooley Manufacturing Company. Nos. 67,882-3; Feb. 25; Gaz. vol. 132; p. 1832.
 Hoes. Norvell-Shapleigh Hardware Company. No. 69,776; July 7; Gaz. vol. 135; p. 213.
 Hoes, rakes, agricultural forks, and potato-hooks. Union Fork and Hoe Company. No. 70,235; Aug. 11; Gaz. vol. 135; p. 1353.
 Hoisting, dredging, and conveying buckets. William B. Hough Company. No. 71,004; Oct. 20; Gaz. vol. 136; p. 1765.
 Hoisting machinery, Certain. North Coast Dry Kiln Co. No. 69,546; June 16; Gaz. vol. 134; p. 1800.
 Hollow ware, Enamelled steel. Jacob J. Vollrath Mfg. Co. No. 68,098; Mar. 10; Gaz. vol. 133; p. 507.
 Hones, oil and whet stones. S. R. Droscher. No. 70,032; July 28; Gaz. vol. 135; p. 889.
 Honey. W. A. Selser. No. 66,935; Jan. 7; Gaz. vol. 132; p. 226.
 Honey. Pacific Coast Syrup Co. No. 70,525; Sept. 8; Gaz. vol. 136; p. 434.
 Hoods, Motoring-. M. Munson. No. 69,649; June 23; Gaz. vol. 134; p. 2025.
 Hooks and eyes. Francis Hook & Eye & Fastener Co. No. 68,420; Apr. 7; Gaz. vol. 133; p. 1430.
 Horns, Automobile-. Post & Lester Company. No. 69,966; July 21; Gaz. vol. 135; p. 658.
 Horns, Exhaust-blown signal-. Echo Horn Co. No. 69,405; June 9; Gaz. vol. 134; p. 1559.
 Horns for talking-machines. Sheip & Vandegrift. No. 70,472; Sept. 1; Gaz. vol. 136; p. 222.
 Horns or alarms, Signal. Lovell-McConnell Manufacturing Company. No. 69,913; July 14; Gaz. vol. 135; p. 447.
 Horse-blankets. Burlington Blanket Company. No. 69,098; May 19; Gaz. vol. 134; p. 770.
 Horse-blankets. Kneedler & Company. No. 70,745; Sept. 29; Gaz. vol. 136; p. 1064.
 Horse-collar. Simmons Hardware Company. Nos. 71,343-4; Nov. 17; Gaz. vol. 137; p. 729.
 Horse equipments, Certain. Marshall-Wells Hardware Co. No. 71,595; Dec. 1; Gaz. vol. 137; p. 1233.
 Horseshoe-calks. Rowe Patent Calk Company. No. 67,471; Feb. 4; Gaz. vol. 132; p. 1067.
 Horseshoe-calks. Williams Drop Forging Company. No. 70,823; Oct. 6; Gaz. vol. 136; p. 1294.
 Horseshoe-calks. S. H. Roberts. No. 71,342; Nov. 17; Gaz. vol. 137; p. 729.
 Horseshoe-nails. Capewell Horse Nail Company. No. 67,010; Jan. 14; Gaz. vol. 132; p. 461.
 Hose, Fabric. Eureka Fire Hose Manufacturing Company. No. 71,467; Nov. 24; Gaz. vol. 137; p. 974.
 Hose, Linen. Charles Niedner's Sons Co. Nos. 69,287-8; June 2; Gaz. vol. 134; p. 1294.
 Hose, Linen. Charles Niedner's Sons Co. No. 70,424; Sept. 1; Gaz. vol. 136; p. 221.
 Hose-nozzles. Eaton, Cole & Burnham Co. No. 67,224; Jan. 21; Gaz. vol. 132; p. 675.
 Hose-supporters. Warner Bros. Co. No. 68,840; Apr. 28; Gaz. vol. 133; p. 2176.
 Hose-supporters. A. Zwirn. No. 69,984; July 21; Gaz. vol. 135; p. 658.
 Hose-supporters and garters. Minton Company. No. 67,939; Feb. 25; Gaz. vol. 132; p. 1833.
 Hosier. Richmond Hosier Mills. No. 66,971; Jan. 7; Gaz. vol. 132; p. 227.
 Hosier. J. L. Brandeis and Sons. No. 68,066; Mar. 3; Gaz. vol. 133; p. 225.
 Hosier. Shaw Stocking Company. No. 68,973; May 12; Gaz. vol. 134; p. 510.
 Hosier. Paramount Knitting Company. No. 69,087; May 19; Gaz. vol. 134; p. 770.
 Hosier. L. P. Haight. No. 69,368; June 9; Gaz. vol. 134; p. 1558.
 Hosier. A. B. Andrews Company. Nos. 70,088-9; July 28; Gaz. vol. 135; p. 890.
 Hosier. E. B. Sudbury. No. 70,114; July 28; Gaz. vol. 135; p. 891.
 Hosier. C. Chipman's Sons. No. 70,129; Aug. 4; Gaz. vol. 135; p. 1117.
 Hosier. R. H. Macy & Co. No. 70,185; Aug. 11; Gaz. vol. 135; p. 1357.
 Hosier. Davis Hosier Mills. No. 70,281; Aug. 18; Gaz. vol. 135; p. 1578.
 Hosier. Hirsh Brothers. No. 70,287; Aug. 18; Gaz. vol. 135; p. 1578.
 Hosier. E. Blood. No. 70,340; Aug. 25; Gaz. vol. 135; p. 1797.
 Hosier. T. L. Seidel. No. 70,356; Aug. 25; Gaz. vol. 135; p. 1798.
 Hosier. Dorothy Dodd Shoe Company. No. 70,477; Sept. 8; Gaz. vol. 136; p. 433.
 Hosier. Thomas G. Plant Company. No. 70,481; Sept. 8; Gaz. vol. 136; p. 433.
 Hosier. Hygienic Fleeced Underwear Company. No. 70,487; Sept. 8; Gaz. vol. 136; p. 433.
 Hosier. A. B. Andrews Company. No. 70,869; Oct. 13; Gaz. vol. 136; p. 1527.
 Hosier. Davis Hosier Mills. Nos. 70,874-5; Oct. 13; Gaz. vol. 136; p. 1528.
 Hosier. Des Moines Hosier Mills. No. 70,954; Oct. 20; Gaz. vol. 136; p. 1764.
 Hosier. Shaw Stocking Company. No. 71,001; Oct. 20; Gaz. vol. 136; p. 1765.
 Hosier. Davis Hosier Mills. No. 71,044; Oct. 27; Gaz. vol. 136; p. 1996.
 Hosier. C. Chipman's Sons. Nos. 71,178-9; Nov. 10; Gaz. vol. 137; p. 469.
 Hosier. Mannheim Hosier Mills Company. No. 71,187; Nov. 10; Gaz. vol. 137; p. 469.
 Hosier. Lord & Taylor. No. 71,201; Nov. 10; Gaz. vol. 137; p. 469.
 Hosier. Holeproof Hosier Company. No. 71,299; Nov. 17; Gaz. vol. 137; p. 727.
 Hosier. Oconee Knitting Mill. No. 71,311; Nov. 17; Gaz. vol. 137; p. 728.
 Hosier. A. B. Andrews Company. Nos. 71,419-21; Nov. 24; Gaz. vol. 137; p. 972.
 Hosier. Bell Hosier Company. No. 71,425; Nov. 24; Gaz. vol. 137; p. 973.
 Hosier. Burson Knitting Company. Nos. 71,429-30; Nov. 24; Gaz. vol. 137; p. 973.
 Hosier. Davis Hosier Mills. No. 71,433; Nov. 24; Gaz. vol. 137; p. 973.
 Hosier and gloves. E. B. Sudbury. No. 70,113; July 28; Gaz. vol. 135; p. 891.
 Hosier, undershirts, drawers, and union suits. Pilling & Madeley. No. 71,214; Nov. 17; Gaz. vol. 137; p. 728.
 Hot-water bags or bottles and fountain-syringes. United Drug Company. No. 71,700; Dec. 8; Gaz. vol. 137; p. 1479.
 Hydraulic jacks. R. Dudgeon. No. 68,761; Apr. 28; Gaz. vol. 133; p. 2174.
 Hydrogen peroxid in water, Solution of. E. Merck. No. 67,619; Feb. 11; Gaz. vol. 132; p. 1315.
 Hydrogen peroxid in water, Solution of. E. Merck. No. 69,267; June 2; Gaz. vol. 134; p. 1293.
 Hydrogen, Preparation of peroxid of. International Chemical Mfg. & Import Co. No. 69,731; June 30; Gaz. vol. 134; p. 2241.
 Ice-cream. Porcelain Ice Cream Company. No. 70,055; July 28; Gaz. vol. 135; p. 889.
 Ice-cream-cone waffles. G. M. Siefle. No. 71,653; Dec. 8; Gaz. vol. 137; p. 1478.
 Ice-cream cones and popcorn. F. E. McCoy. No. 68,882; May 5; Gaz. vol. 134; p. 251.
 Ice-cream freezers. Sturges & Burn Mfg. Co. No. 66,955; Jan. 7; Gaz. vol. 132; p. 226.
 Ice-cream, ices, sherbets, and frozen custards. Alta Vista Creamery Company. No. 67,989; Mar. 3; Gaz. vol. 133; p. 223.
 Igniting devices and parts thereof. Auto Igniter Company. No. 69,907; July 14; Gaz. vol. 135; p. 446.
 Incubators. Cyphers Incubator Company. No. 71,014; Oct. 27; Gaz. vol. 136; p. 1995.
 Incubators and brooders. United Incubator and Poultry Supply Manufacturing Company. No. 68,320; Mar. 24; Gaz. vol. 133; p. 988.
 Incubators and brooders. A. L. Pinkerton-Gardiner. No. 68,363; Mar. 31; Gaz. vol. 133; p. 1184.
 Incubators and brooders. X-Ray Incubator Company. No. 70,065; July 28; Gaz. vol. 135; p. 890.
 Inhalants. Sharp & Dohme. No. 69,567; June 23; Gaz. vol. 134; p. 2023.
 Ink and indelible fixative, Indelible. R. T. Swenning. No. 70,945; Oct. 20; Gaz. vol. 136; p. 1763.
 Ink-dividing bands. N-M-C-R Company. No. 67,872; Feb. 25; Gaz. vol. 132; p. 1831.
 Ink, Indelible. A. L. Williston. No. 67,686; Feb. 11; Gaz. vol. 132; p. 1317.
 Ink, Printing-. Ault & Wiborg Co. No. 68,056; Mar. 3; Gaz. vol. 133; p. 225.
 Ink, Printing-. Ault & Wiborg Company. No. 68,489; Apr. 14; Gaz. vol. 133; p. 1673.
 Ink-ribbons and carbon-paper. F. S. Webster Company. No. 68,382; Apr. 7; Gaz. vol. 133; p. 1429.
 Ink-stain remover. Dr. Max Lehmann & Co. No. 67,835; Feb. 18; Gaz. vol. 132; p. 1583.
 Inks and ink-pads. Fountain Ink Pad Company. No. 67,933; Feb. 25; Gaz. vol. 132; p. 1833.
 Inks and inked ribbons. International Multigraph Company. No. 69,926; July 21; Gaz. vol. 135; p. 657.
 Inks, Drawing-. Technical Supply Company. No. 70,511; Sept. 8; Gaz. vol. 136; p. 434.
 Insecticide. R. A. Wallace. Nos. 70,590-1; Sept. 15; Gaz. vol. 136; p. 654.
 Insecticide. W. Peterman. No. 70,644; Sept. 22; Gaz. vol. 136; p. 843.
 Insecticide. E. K. Black. No. 71,499; Dec. 1; Gaz. vol. 137; p. 1231.
 Insecticides. Strawsons. No. 67,880; Feb. 25; Gaz. vol. 132; p. 1832.
 Insecticides. A. C. Meyer. No. 71,028; Oct. 27; Gaz. vol. 133; p. 1995.

Alphabetical list of trade-marks—Continued.

- Insecticides and disinfectants. United Incubator and Poultry Supply Manufacturing Company. Nos. 68,088-9; Mar. 10; Gaz. vol. 133; p. 507.
- Insecticides for destroying bedbugs. W. Peterman. No. 70,243; Aug. 11; Gaz. vol. 135; p. 1358.
- Insoles. Pad O' Powder Inshu Co. No. 68,696; Apr. 21; Gaz. vol. 133; p. 1932.
- Insoles. O. F. Fogelsong. No. 69,979; July 21; Gaz. vol. 135; p. 658.
- Insulated electric wires and cables and insulating-tape. W. R. Brixey. No. 70,652; Sept. 22; Gaz. vol. 136; p. 843.
- Insulated wire. Durant Electric Supplies Co. No. 68,203; Mar. 17; Gaz. vol. 133; p. 757.
- Insulated wire. Bridgeport Brass Company. Nos. 69,985-6; July 21; Gaz. vol. 135; p. 658.
- Insulated wire. National India Rubber Co. Nos. 70,737-8; Sept. 29; Gaz. vol. 136; p. 1064.
- Insulating composition. G. V. Frye. No. 68,939; May 5; Gaz. vol. 134; p. 253.
- Insulating compound, Electric-coil-. Dielectric Manufacturing Company. No. 67,290; Jan. 28; Gaz. vol. 132; p. 836.
- Insulating compound, Electrical. Mica Insulator Company. No. 70,012; July 21; Gaz. vol. 135; p. 659.
- Insulating materials for electrical purposes. Rhadoonit-Werke Gesellschaft mit beschränkter Haftung. No. 68,822; Apr. 28; Gaz. vol. 133; p. 2176.
- Insulators, Electric. Albert & J. M. Anderson Manufacturing Company. No. 69,643; June 23; Gaz. vol. 134; p. 2025.
- Insulators, Electric. Albert & J. M. Anderson Manufacturing Company. No. 70,202; Aug. 11; Gaz. vol. 135; p. 1357.
- Insulating material, Electrical. Rail Joint Company. Nos. 69,168-71; May 26; Gaz. vol. 134; p. 1045.
- Investment compounds. C. E. Gates. No. 69,304; June 2; Gaz. vol. 134; p. 1294.
- Iron and steel sheeting, Galvanized. Monmouthshire Steel and Tinplate Company. No. 67,262; Jan. 28; Gaz. vol. 132; p. 836.
- Iron compound, Certain. C. Cederroth. No. 67,891; Feb. 25; Gaz. vol. 132; p. 1832.
- Iron sheets, bars, tubes, and forgings. American Rolling Mill Company. No. 70,565; Sept. 15; Gaz. vol. 136; p. 653.
- Ironing boards and tables. Washburn & Wheeler Mfg. Co. No. 69,873; July 14; Gaz. vol. 135; p. 446.
- Ironing compound, Certain. Glo-zo Gloss Co. No. 67,394; Feb. 4; Gaz. vol. 132; p. 1065.
- Jackets and outer skirts. W. Bloom. No. 71,008; Oct. 27; Gaz. vol. 136; p. 1995.
- Jams, marmalades, flavoring extracts, &c. H. P. D. Kingsbury. No. 69,227; May 26; Gaz. vol. 134; p. 1046.
- Jewelry. S. & B. Lederer Company. No. 67,519; Feb. 4; Gaz. vol. 132; p. 1068.
- Jewelry. Hansen-Bennett Company. No. 67,762; Feb. 18; Gaz. vol. 132; p. 1581.
- Jewelry. John T. Mauran Manufacturing Company. No. 70,831; Oct. 6; Gaz. vol. 136; p. 1294.
- Jewelry. Lebolt & Company. Nos. 70,833-4; Oct. 6; Gaz. vol. 136; p. 1294.
- Jewelry, &c. Gophir Diamond Co. No. 68,421; Apr. 7; Gaz. vol. 133; p. 1430.
- Jewelry and certain precious-metal ware. Clarence Linz Company. No. 68,184; Mar. 10; Gaz. vol. 133; p. 510.
- Jewelry and precious-metal ware, Certain. A. L. Bailhache. No. 68,856; May 5; Gaz. vol. 134; p. 251.
- Jewelry, Certain. Crossman Company. No. 67,023; Jan. 14; Gaz. vol. 132; p. 461.
- Jewelry, Certain. C. A. Marsh & Co. No. 68,361; Mar. 31; Gaz. vol. 133; p. 1184.
- Jewelry, Certain. Schanbacher & Brod. No. 69,650; June 23; Gaz. vol. 134; p. 2025.
- Jewelry, Certain. Wolcott Manufacturing Company. No. 69,975; July 21; Gaz. vol. 135; p. 658.
- Jewelry, Certain. Wolcott Manufacturing Company. No. 70,041; July 28; Gaz. vol. 135; p. 889.
- Jewelry for personal wear. H. T. Hahn & Company. No. 70,143; Aug. 4; Gaz. vol. 135; p. 1118.
- Jewelry, Imitation stones for. Wiener Bros. No. 69,974; July 21; Gaz. vol. 135; p. 658.
- Journal, Drug. G. T. Ketcheson. No. 67,834; Feb. 18; Gaz. vol. 132; p. 1582.
- Journal, Monthly trade. R. H. McCreedy. No. 70,206; Aug. 11; Gaz. vol. 135; p. 1358.
- Kid, Glazed. McNeely & Price. No. 71,715; Dec. 15; Gaz. vol. 137; p. 1703.
- Kinematographic apparatus. C. Urban. No. 70,004; July 21; Gaz. vol. 135; p. 659.
- Kinematographic apparatus and pictures for use therewith. C. Urban. No. 69,173; May 26; Gaz. vol. 134; p. 1045.
- Kinematographic films and apparatus. Società Anonima Ambrosio. No. 71,930; Dec. 22; Gaz. vol. 137; p. 1934.
- Knit gloves and ladies' hosiery. D. J. Abraham. No. 67,280; Jan. 28; Gaz. vol. 132; p. 836.
- Knit goods, Certain. P. Raguet fils & R. Vignes. No. 67,117; Jan. 14; Gaz. vol. 132; p. 464.
- Knit goods, Certain. John F. Brooks Co. Nos. 70,463-4; Sept. 1; Gaz. vol. 136; p. 222.
- Knit hosiery and underwear. M. & C. Mayer. No. 68,072; Mar. 3; Gaz. vol. 133; p. 226.
- Knit silk and cotton gloves. Julius Kayser & Co. No. 69,911; July 14; Gaz. vol. 135; p. 447.
- Knit silk and cotton gloves. Julius Kayser & Co. No. 70,184; Aug. 11; Gaz. vol. 135; p. 1357.
- Knit silk underwear. Julius Kayser & Co. No. 69,817; July 7; Gaz. vol. 135; p. 214.
- Knit silk underwear. Julius Kayser & Co. No. 70,107; July 28; Gaz. vol. 135; p. 891.
- Knitted and netted underwear and hosiery. John V. Farwell Company. No. 69,369; June 9; Gaz. vol. 134; p. 1558.
- Knitted hosiery. Maryville Hosiery Mills. No. 67,647; Feb. 11; Gaz. vol. 132; p. 1316.
- Knitted mufflers. Phoenix Knitting Works. No. 68,971; May 12; Gaz. vol. 134; p. 510.
- Knitted sweaters and bathing-suits. L. Newman. No. 67,533; Feb. 4; Gaz. vol. 132; p. 1069.
- Knitted underwear. Troy Knitting Company. No. 67,003; Jan. 7; Gaz. vol. 132; p. 228.
- Knitted underwear. A. C. Staley Mfg. Co. No. 67,107; Jan. 14; Gaz. vol. 132; p. 463.
- Knitted underwear. Lord & Taylor. No. 68,071; Mar. 3; Gaz. vol. 133; p. 226.
- Knitted underwear and hosiery. C. Simon's Sons. No. 70,188; Aug. 11; Gaz. vol. 135; p. 1357.
- Knitted underwear, Men's. Roxford Knitting Company. No. 68,195; Mar. 10; Gaz. vol. 133; p. 510.
- Knitted waists. J. F. Quinn. No. 68,317; Mar. 24; Gaz. vol. 133; p. 988.
- Knives and blades, Certain hand-. S. Richard Co. No. 67,486; Feb. 4; Gaz. vol. 132; p. 1067.
- Knives and steels, Butchers'. F. Dick. No. 71,373; Nov. 24; Gaz. vol. 137; p. 971.
- Knives, Clasp-. Oscar Barnett Foundry Company. No. 69,447; June 16; Gaz. vol. 134; p. 1797.
- Knives, razors, scissors, shears, and nail-files. F. Westpfal. No. 69,824; July 7; Gaz. vol. 135; p. 214.
- Krausen apparatus. Charles Zoller Co. No. 69,800; July 7; Gaz. vol. 135; p. 214.
- Kummel. J. A. Gilka. No. 69,627; June 23; Gaz. vol. 134; p. 2025.
- Laboratory apparatus, Certain. J. P. Remington, Jr. No. 68,933; May 5; Gaz. vol. 134; p. 253.
- Lace and other collar foundations. Natick Underwear Company. No. 69,409; June 9; Gaz. vol. 134; p. 1559.
- Lace curtains. Wilkes-Barre Lace Manufacturing Co. No. 71,951; Dec. 22; Gaz. vol. 137; p. 1935.
- Laces. J. W. Smith. No. 67,653; Feb. 11; Gaz. vol. 132; p. 1316.
- Laces, Certain. J. W. Smith. No. 67,535; Feb. 4; Gaz. vol. 132; p. 1069.
- Laces, Certain cotton. Birkin & Co. No. 67,697; Feb. 18; Gaz. vol. 132; p. 1579.
- Laces, Shoe-. Wood-Hare Company. No. 69,418; June 9; Gaz. vol. 134; p. 1559.
- Laces, Shoe-. German Artistic Weaving Co. No. 69,807; July 7; Gaz. vol. 135; p. 214.
- Laces, Shoe-. C. E. Hertlein. No. 70,829; Oct. 6; Gaz. vol. 136; p. 1294.
- Laces, Shoe and corset. Narrow Fabric Co. No. 70,466; Sept. 1; Gaz. vol. 136; p. 222.
- Lacings, Shoe-. Forde & Nott. Nos. 70,461-2; Sept. 1; Gaz. vol. 136; p. 222.
- Lamp and lantern globes and chimneys. R. E. Dietz Company. No. 67,585; Feb. 11; Gaz. vol. 132; p. 1314.
- Lamp bodies, burners, brackets, and wicks. Connecticut Trading Company. No. 71,221; Nov. 10; Gaz. vol. 137; p. 470.
- Lamp-burners. Wheeling Stamping Co. No. 69,838; July 7; Gaz. vol. 135; p. 215.
- Lamp-chimneys, lantern-globes, and glass reflectors. Gill Brothers Company. No. 71,098; Oct. 27; Gaz. vol. 136; p. 1997.
- Lamp-glasses. Schott & Gen. No. 69,931; July 21; Gaz. vol. 135; p. 657.
- Lamp mantles, Gas-. General Gas Light Co. No. 67,908; Feb. 25; Gaz. vol. 132; p. 1832.
- Lamp, Miner's or driver's oil-. W. Tunnessen. No. 71,245; Nov. 10; Gaz. vol. 137; p. 471.
- Lamp shades and reflectors. C. J. Branch. No. 72,020; Dec. 29; Gaz. vol. 137; p. 2214.
- Lamps and stoves, Certain. A. Meenen, Spezialhaus für Spiritusbeleuchtung. No. 68,179; Mar. 10; Gaz. vol. 133; p. 509.
- Lamps, Automobile-. J. Lurie. No. 67,646; Feb. 11; Gaz. vol. 132; p. 1316.
- Lamps, Electric. American Electric Lamp Co. of N. Y. No. 67,390; Feb. 4; Gaz. vol. 132; p. 1065.
- Lamps, Electric. R. E. Dietz Company. No. 70,741; Sept. 29; Gaz. vol. 136; p. 1064.
- Lamps, Electric incandescent. St. Mary's Incandescent Lamp Company. Nos. 68,823-4; Apr. 28; Gaz. vol. 133; p. 2176.
- Lamps, Electric incandescent and arc. Deutsche Gasglnhlicht Aktiengesellschaft (Auergesellschaft). No. 70,573; Sept. 15; Gaz. vol. 136; p. 654.
- Lamps, Gas-burning vehicle-. R. E. Dietz Company. No. 71,478; Nov. 24; Gaz. vol. 137; p. 974.
- Lamps, Gas-burning vehicle-. R. E. Dietz Company. No. 71,480; Nov. 24; Gaz. vol. 137; p. 974.
- Lamps, Incandescent electric. Boston Incandescent Lamp Company. No. 68,565; Apr. 14; Gaz. vol. 133; p. 1675.
- Lamps, Incandescent electric. Tungsten Electric Lamp Company. No. 69,005; May 12; Gaz. vol. 134; p. 510.
- Lamps, Incandescent electric. Sunbeam Incandescent Lamp Company. No. 69,399; June 9; Gaz. vol. 134; p. 1559.
- Lamps, Incandescent electric. Buckeye Electric Company. No. 70,043; July 28; Gaz. vol. 135; p. 889.
- Lamps, Incandescent electric. Banner Electric Company. No. 70,124; Aug. 4; Gaz. vol. 135; p. 1117.
- Lamps, Incandescent electric. Sunbeam Incandescent Lamp Company. No. 70,213; Aug. 11; Gaz. vol. 135; p. 1358.

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- Lamps, Incandescent electric. Sunbeam Incandescent Lamp Company. No. 70,679; Sept. 22; Gaz. vol. 136; p. 844.
 Lamps, Incandescent electric. Novelty Incandescent Lamp Co. No. 70,914; Oct. 13; Gaz. vol. 136; p. 1529.
 Lamps, lanterns, and burners therefor. C. T. Ham Manufacturing Company. No. 69,008; May 12; Gaz. vol. 134; p. 511.
 Lamps Mercury-. Schott & Gen. No. 70,274; Aug. 18; Gaz. vol. 135; p. 1577.
 Lamps, Miners'. G. Anton. No. 70,364; Aug. 25; Gaz. vol. 135; p. 1798.
 Lamps, Miners'. G. Anton. No. 70,650; Sept. 22; Gaz. vol. 136; p. 843.
 Lamps of all kinds, Electric. Economy Electric Company. Nos. 71,681-3; Dec. 8; Gaz. vol. 137; p. 1479.
 Lamps, Oil-. Standard Oil Co. of New York. Nos. 67,342-3; Jan. 28; Gaz. vol. 132; p. 838.
 Lamps, Oil-. F. H. Lovell & Company. No. 69,289; June 2; Gaz. vol. 134; p. 1294.
 Lamps, Oil-burning. C. T. Ham Manufacturing Company. Nos. 67,151-5; Jan. 21; Gaz. vol. 132; p. 673.
 Lamps, Oil-burning. C. T. Ham Manufacturing Company. No. 67,474; Feb. 4; Gaz. vol. 132; p. 1067.
 Lamps, Oil-burning. R. E. Dietz Company. No. 71,479; Nov. 24; Gaz. vol. 137; p. 974.
 Lamps, Vehicle-. Roberts & Matthews. No. 67,895; Feb. 25; Gaz. vol. 132; p. 1832.
 Lanterns, Automobile, carriage, and bicycle. Bridgeport Brass Company. No. 70,094; July 28; Gaz. vol. 135; p. 890.
 Lanterns, Certain. Simmons Hardware Company. No. 70,440; Sept. 1; Gaz. vol. 136; p. 221.
 Lard. Interstate Packing Co. No. 67,184; Jan. 21; Gaz. vol. 132; p. 674.
 Lard. Charles Wolff Packing Company. No. 67,267; Jan. 28; Gaz. vol. 132; p. 836.
 Lard. Dunlevy & Brother. No. 68,634; Apr. 21; Gaz. vol. 133; p. 1930.
 Lard, oleomargarin, and certain meats. Swift and Company. No. 68,448; Apr. 7; Gaz. vol. 132; p. 1431.
 Lard substitute. High Grade Lard Company. No. 67,158; Jan. 21; Gaz. vol. 132; p. 673.
 Lard substitutes. Sherman Cotton Oil Provision Co. Nos. 68,154-6; Mar. 10; Gaz. vol. 133; p. 509.
 Laundry-machines, Certain. Troy Laundry Machinery Company. No. 72,082; Dec. 29; Gaz. vol. 137; p. 2216.
 Lawn. A. L. Reid & Co. No. 71,175; Nov. 10; Gaz. vol. 137; p. 469.
 Lawn trimmers and edgers. H. O. Secrest. No. 67,878; Feb. 25; Gaz. vol. 132; p. 1832.
 Lawns. Strawbridge & Clothier. No. 68,319; Mar. 24; Gaz. vol. 133; p. 983.
 Laxative. Gum-Lax Manufacturing Company. No. 69,808; July 7; Gaz. vol. 135; p. 214.
 Laxative and remedy for constipation and all diseases of the alimentary canal. Pansy Compound Company. No. 71,628; Dec. 8; Gaz. vol. 137; p. 1477.
 Laxative compounds. Mother Seigel's Syrup Company. No. 68,539; Apr. 14; Gaz. vol. 133; p. 1675.
 Laxative medicines. Wm. H. Clark. No. 71,431; Nov. 24; Gaz. vol. 137; p. 973.
 Laxative tablets. M. A. Winter Co. No. 67,787; Feb. 18; Gaz. vol. 132; p. 1581.
 Laxative, Saline. Miller Bros. No. 68,311; Mar. 24; Gaz. vol. 133; p. 987.
 Laxatives. Barton and Patrick. No. 69,943; July 21; Gaz. vol. 135; p. 657.
 Lead, plumbago, graphite, and foundry-facings, Black-. F. V. Morse. No. 68,019; Mar. 3; Gaz. vol. 133; p. 224.
 Lead, plumbago or graphite, &c., Black-. F. V. Morse. Nos. 68,588-92; Apr. 21; Gaz. vol. 133; p. 1929.
 Leather. A. C. Lawrence Leather Co. No. 67,373; Jan. 28; Gaz. vol. 132; p. 839.
 Leather and fabric gloves. Ben Strauss Company. No. 71,427; Nov. 24; Gaz. vol. 137; p. 973.
 Leather and shoe blackings and dressings. American Shoe Polish Company. No. 67,545; Feb. 11; Gaz. vol. 132; p. 1313.
 Leather and shoe dressings. S. M. Bixby & Co. No. 68,597; Apr. 21; Gaz. vol. 133; p. 1929.
 Leather and shoe dressings. S. M. Bixby & Co. No. 70,609; Sept. 15; Gaz. vol. 136; p. 655.
 Leather and shoe polish. A. Krebs. No. 70,178; Aug. 11; Gaz. vol. 135; p. 1357.
 Leather articles, Certain. J. M. Delaney & Co. Nos. 67,374-5; Jan. 28; Gaz. vol. 132; p. 839.
 Leather boots and shoes. Haynes, Sparrell & Co. Nos. 71,295-7; Nov. 17; Gaz. vol. 137; p. 727.
 Leather-dressing. R-N Leather Dressing Co. No. 67,637; Feb. 11; Gaz. vol. 132; p. 1315.
 Leather-dressing. Balco Leather Paste Company. No. 69,327; June 9; Gaz. vol. 134; p. 1557.
 Leather dressing and blacking. Daimler-Motoren-Gesellschaft. No. 68,797; Apr. 28; Gaz. vol. 133; p. 2175.
 Leather gloves, gauntlets, and mittens. L. Meyers & Son. No. 71,306; Nov. 17; Gaz. vol. 137; p. 728.
 Leather goods, Certain. J. M. Delaney & Co. No. 66,980; Jan. 7; Gaz. vol. 132; p. 227.
 Leather goods, Certain. W. R. Thonlinson. No. 66,994; Jan. 7; Gaz. vol. 132; p. 228.
 Leather goods, Certain. Woodward & Cobhey. No. 66,995; Jan. 7; Gaz. vol. 132; p. 228.
 Leather goods, Certain. Western Leather Mfg. Co. No. 67,847; Feb. 18; Gaz. vol. 132; p. 1583.
 Leather goods, Certain. C. A. Rutherford. No. 68,834; Apr. 28; Gaz. vol. 133; p. 2176.
 Leather lap-robes and leather boots. Scandinavian Fur & Leather Co. No. 67,843; Feb. 18; Gaz. vol. 132; p. 1583.
 Leather machinery belting. J. Hendry. No. 71,867; Dec. 15; Gaz. vol. 137; p. 1707.
 Leather manufactures, Certain. L. Frank Saddlery Co. No. 68,068; Mar. 3; Gaz. vol. 133; p. 226.
 Leather shoes, Ladies' and children's. J. E. Adams. No. 71,933; Dec. 22; Gaz. vol. 137; p. 1934.
 Leather, Sole-. J. M. Delaney & Co. No. 71,622; Dec. 8; Gaz. vol. 137; p. 1477.
 Leather, Tanned. Gutmann & Company. No. 71,506; Dec. 1; Gaz. vol. 137; p. 1231.
 Leather, Tanned and dressed. H. W. Clark. No. 70,751; Sept. 29; Gaz. vol. 136; p. 1064.
 Leather, &c., Waterproof dressing for. R. N. O. (Restoring Nature's Own) Water Resistant Co. No. 70,250; Aug. 18; Gaz. vol. 135; p. 1577.
 Leather-whitening preparation. Joseph Pickering and Sons. No. 70,814; Oct. 6; Gaz. vol. 136; p. 1294.
 Leathers for manufacturing purposes. Pfister & Vogel Leather Company. Nos. 69,576-7; June 23; Gaz. vol. 134; p. 2023.
 Ledgers, Loose-leaf. J. L. Schaar. No. 66,992; Jan. 7; Gaz. vol. 132; p. 227.
 Leggings and overgaiters. H. Jacob & Sons. No. 67,513; Feb. 4; Gaz. vol. 132; p. 1068.
 Lemonade, seltzer-water, and fruit-juices. Deutsche Selt- & S' Werk mit beschränkter Haftung. No. 69,805; July 7; Gaz. vol. 135; p. 214.
 Lemonades, Fruit. Franz Hartmann Sinalco-Aktiengesellschaft in Detmold. No. 71,525; Dec. 1; Gaz. vol. 137; p. 1231.
 Lemons, Preparation of. C. M. Brooke. No. 68,345; Mar. 31; Gaz. vol. 133; p. 1183.
 Lenses, spectacles, and eyeglasses. D. B. Rubin. No. 70,668; Sept. 22; Gaz. vol. 136; p. 844.
 Lighting apparatus, Acetylene and oil. Boas Rodrigues et Cie. No. 67,042; Jan. 14; Gaz. vol. 132; p. 462.
 Lighting apparatus, Acetylene and oil. Boas Rodrigues et Cie. No. 70,126; Aug. 4; Gaz. vol. 135; p. 1117.
 Lighting apparatus, Certain. Aurora Mantle Manuf'g. Co. No. 66,977; Jan. 7; Gaz. vol. 132; p. 227.
 Lime. M. J. Grove Lime Co. No. 70,660; Sept. 22; Gaz. vol. 136; p. 843.
 Lime. Virginia Lime Company. No. 71,870; Dec. 15; Gaz. vol. 137; p. 1707.
 Lime and ready-mixed mortar. Rockland-Rockport Lime Co. No. 66,932; Jan. 7; Gaz. vol. 132; p. 226.
 Lime and ready-mixed mortar. Rockland-Rockport Lime Co. No. 67,876; Feb. 25; Gaz. vol. 132; p. 1831.
 Lime for fertilizing. M. J. Grove Lime Co. No. 70,890; Oct. 13; Gaz. vol. 136; p. 1528.
 Lime, plaster, and roofing-paper and roofing-felt. McCallip and Company. No. 71,596; Dec. 1; Gaz. vol. 137; p. 1233.
 Linen, Bed and table. Mosse Gebrüder. No. 66,989; Jan. 7; Gaz. vol. 132; p. 227.
 Linen goods, Certain. William Leddell & Co. No. 71,157; Nov. 13; Gaz. vol. 137; p. 224.
 Liniment. C. F. Brown Chemical Co. No. 67,412; Feb. 4; Gaz. vol. 132; p. 1065.
 Liniment. L. B. Martin. No. 67,417; Feb. 4; Gaz. vol. 132; p. 1065.
 Liniment. Minard's Liniment Manufacturing Company. No. 67,620; Feb. 11; Gaz. vol. 132; p. 1315.
 Liniment. P. Haase. No. 67,630; Feb. 11; Gaz. vol. 132; p. 1315.
 Liniment. J. H. Snyder Med. Co. No. 67,799; Feb. 13; Gaz. vol. 132; p. 1582.
 Liniment. T. Fitzgibbons. No. 69,937; July 21; Gaz. vol. 135; p. 657.
 Liniment. D. Ransom, Son and Company. No. 70,519; Sept. 8; Gaz. vol. 136; p. 434.
 Liniment. M. W. Barker. No. 70,712; Sept. 29; Gaz. vol. 136; p. 1063.
 Liniment. Coffin and Schamerhorn. No. 70,715; Sept. 29; Gaz. vol. 136; p. 1063.
 Liniment. Red Letter Liniment Company. No. 71,173; Nov. 3; Gaz. vol. 137; p. 225.
 Liniment. E. Bach. Nos. 71,702-3; Dec. 15; Gaz. vol. 137; p. 1703.
 Liniment, Oil. Dr. J. H. McLean Medicine Company. No. 70,755; Sept. 29; Gaz. vol. 136; p. 1064.
 Liniment, Rheumatism. C. A. Heft. No. 69,811; July 7; Gaz. vol. 135; p. 214.
 Liniment, Vegetable. T. M. Sayman. No. 70,817; Oct. 6; Gaz. vol. 136; p. 1294.
 Liniments. Olax Remedy Company. No. 67,362; Jan. 28; Gaz. vol. 132; p. 838.
 Liniments. L. Altschuler. No. 67,410; Feb. 4; Gaz. vol. 132; p. 1065.
 Liniments. Theoline Chemical Company. No. 67,920; Feb. 25; Gaz. vol. 132; p. 1833.
 Liniments. C. E. Dupell. No. 69,385; June 9; Gaz. vol. 134; p. 1558.
 Liniments and unguents. Bardell & Schick. No. 67,350; Jan. 28; Gaz. vol. 132; p. 838.
 Liniments for rheumatism. Kane and Bell. No. 69,518; June 16; Gaz. vol. 134; p. 1799.
 Linoleum. H. V. Brown. No. 69,760; July 7; Gaz. vol. 135; p. 213.
 Linoleum and oiled cloth. A. H. Slater. No. 71,194; Nov. 10; Gaz. vol. 137; p. 469.

Alphabetical list of trade-marks—Continued.

- Liqueur called Bénédictine. Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp. Nos. 71,552-4; Dec. 1; Gaz. vol. 137; p. 1232.
- Liqueurs. E. Ciaburri & Fli. No. 67,628; Feb. 11; Gaz. vol. 132; p. 1315.
- Liqueurs. Société Anonyme de la Véritable Liqueur d'Hendaye. No. 71,345; Nov. 17; Gaz. vol. 137; p. 729.
- Liqueurs or cordials. Sîe. de la Distillerie du Suprême Fécamp. No. 67,104; Jan. 14; Gaz. vol. 132; p. 463.
- Liquid, Certain aromatic. W. A. Hinkle. No. 68,745; Apr. 28; Gaz. vol. 133; p. 2174.
- Liquid-dispensing apparatus. J. Bowers. No. 68,016; Mar. 3; Gaz. vol. 133; p. 224.
- Liquid for destroying germs and insects. United Chemical Co. No. 71,616; Dec. 8; Gaz. vol. 137; p. 1477.
- Liquid preparation for use as a scalp-tonic. Knowlton Danderine Co. No. 71,981; Dec. 22; Gaz. vol. 137; p. 1936.
- Liquid preparations, ointments, and powders for the complexion. A. Möller. No. 71,650; Dec. 8; Gaz. vol. 137; p. 1478.
- Liquid remedy for prolapse, fistula, blind, bleeding, or protruding piles. M. H. Crawmer. No. 71,621; Dec. 8; Gaz. vol. 137; p. 1477.
- Liquid-separator, Gravity-filtering. Austro-American Separator Co. No. 71,586; Dec. 1; Gaz. vol. 137; p. 1233.
- Liquor known as "Mezcal Tequila." Mezcal Tequila Distillery Company. No. 71,393; Nov. 24; Gaz. vol. 137; p. 972.
- Lockets, cuff-pins, and fobs. R. B. Macdonald. No. 67,531; Feb. 4; Gaz. vol. 132; p. 1069.
- Lock-washers. Positive Lock Washer Company. No. 70,025; July 21; Gaz. vol. 135; p. 659.
- Lock-washers. Positive Lock Washer Company. No. 70,766; Sept. 29; Gaz. vol. 136; p. 1064.
- Locks and door-bolts, Sash-. H. B. Ives Company. No. 68,205; Mar. 17; Gaz. vol. 133; p. 757.
- Locks and padlocks, Door-. Hibbard, Spencer, Bartlett & Company. No. 71,470; Nov. 24; Gaz. vol. 137; p. 974.
- Logs, timber, and lumber. Gomila-Demack Lumber Company. No. 69,423; June 16; Gaz. vol. 134; p. 1797.
- Loom-pickers and lug-straps. E. H. Jacobs Manufacturing Company. No. 67,488; Feb. 4; Gaz. vol. 132; p. 1067.
- Loom-templates. Draper Company. No. 70,986; Oct. 20; Gaz. vol. 136; p. 1764.
- Lotion and toilet cream, Skin-. F. C. Fowler. No. 68,744; Apr. 28; Gaz. vol. 133; p. 2174.
- Lotion, Complexion-. L. C. Rickles. No. 69,594; June 23; Gaz. vol. 134; p. 2024.
- Lotions, Face-. Waterbury Chemical Company. No. 67,987; Mar. 3; Gaz. vol. 133; p. 223.
- Lotions for the gums, mouth, and throat. Vernas Chemical Company. No. 71,931; Dec. 22; Gaz. vol. 137; p. 1934.
- Lotions, hair-tonics, nasal washes and gargles, &c. L. B. Schenck. No. 67,768; Feb. 18; Gaz. vol. 132; p. 1591.
- Lotions, Skin and scalp. A. E. Williams. No. 69,600; June 23; Gaz. vol. 134; p. 2024.
- Lozenges or troches for coughs, colds, &c. G. N. Wanser. No. 67,371; Jan. 28; Gaz. vol. 132; p. 839.
- Lubricants. J. N. Blackman. No. 68,471; Apr. 14; Gaz. vol. 133; p. 1673.
- Lubricants. General Lubricating Company. No. 68,612; Apr. 21; Gaz. vol. 133; p. 1930.
- Lubricants. E. G. Acheson. Nos. 68,738-9; Apr. 28; Gaz. vol. 133; p. 2174.
- Lubricants. A. C. Buzby. No. 69,330; June 9; Gaz. vol. 134; p. 1557.
- Lubricants and lubricating material. F. V. Morse. No. 68,620; Apr. 21; Gaz. vol. 133; p. 1930.
- Lubricants and lubricating material. F. V. Morse. No. 68,752; Apr. 28; Gaz. vol. 133; p. 2174.
- Lubricants, Graphite. United States Graphite Company. No. 67,345; Jan. 28; Gaz. vol. 132; p. 838.
- Lubricating-grease. Cincinnati Oil Works Company. No. 70,217; Aug. 11; Gaz. vol. 135; p. 1358.
- Lubricating materials, Certain. F. V. Morse. No. 67,073; Jan. 14; Gaz. vol. 132; p. 462.
- Lubricating materials, Certain. L. Sonneborn Sons. No. 69,443; June 16; Gaz. vol. 134; p. 1797.
- Lubricators and ejectors. Penberthy Injector Company. No. 71,069; Oct. 27; Gaz. vol. 136; p. 1996.
- Lubricators and oils. International Patent Corporation. No. 67,869; Feb. 25; Gaz. vol. 132; p. 1831.
- Lumber. John L. Roper Lumber Company. No. 70,177; Aug. 11; Gaz. vol. 135; p. 1357.
- Lumber and logs (inferior grades). Russe & Burgess. No. 70,121; Aug. 4; Gaz. vol. 135; p. 1117.
- Lumber, logs, timber, and staves. A. Couspeire. No. 69,768; July 7; Gaz. vol. 135; p. 213.
- Lumber, Vulcanized. National Wood-Vulcanizing Company. No. 71,211; Nov. 10; Gaz. vol. 137; p. 470.
- Lye, potash, and caustic soda. James Pyle & Sons. No. 69,515; June 16; Gaz. vol. 134; p. 1799.
- Lye, sodium chlorid, and starch. Fischer Bros. No. 67,209; Jan. 21; Gaz. vol. 132; p. 675.
- Macaroni. P. Pastene & Co. No. 67,074; Jan. 14; Gaz. vol. 132; p. 463.
- Macaroni. Pfaffmann Egg Noodle Co. No. 69,777; July 7; Gaz. vol. 135; p. 213.
- Macaroni. Atlantic Macaroni Co. Nos. 71,274-5; Nov. 17; Gaz. vol. 137; p. 727.
- Macaroni. Atlantic Macaroni Co. No. 71,608; Dec. 8; Gaz. vol. 137; p. 1477.
- Macaroni. Atlantic Macaroni Co. No. 72,035; Dec. 29; Gaz. vol. 137; p. 2214.
- Macaroni and vermicelli. V. Savarese & Bros. No. 66,934; Jan. 7; Gaz. vol. 132; p. 226.
- Macaroni and vermicelli. E. Bisi. No. 67,993; Mar. 3; Gaz. vol. 133; p. 224.
- Machine-tools, Certain. N. K. Peace. No. 68,021; Mar. 3; Gaz. vol. 133; p. 224.
- Machine-tools, Certain. Jonas & Colver. No. 68,637; Apr. 21; Gaz. vol. 133; p. 1930.
- Machines and parts thereof, Certain. Jonas & Colver. No. 67,007; Jan. 14; Gaz. vol. 132; p. 461.
- Machines, Certain. Fortuna Machine Co. No. 67,254; Jan. 28; Gaz. vol. 132; p. 835.
- Machines, Certain. Filter & Brautechnische Maschinenfabrik Actien Gesellschaft vormals L. A. Enzinger. No. 68,609; Apr. 21; Gaz. vol. 133; p. 1929.
- Machines, Certain. Filter & Brautechnische Maschinen-Fabrik Actien-Gesellschaft, vorm. L. A. Enzinger. No. 69,617; June 23; Gaz. vol. 134; p. 2024.
- Machines, Certain. Birmingham Small Arms Co. No. 70,339; Aug. 25; Gaz. vol. 135; p. 1797.
- Machinery and parts thereof, Certain. Joseph F. McCoy Co. No. 67,579; Feb. 11; Gaz. vol. 132; p. 1314.
- Machinery and parts thereof, Certain. Patterson, Gottfried & Hunter. No. 68,983; May 12; Gaz. vol. 134; p. 510.
- Machinery and parts thereof, Certain. Detroit Lubricator Co. No. 69,785; July 7; Gaz. vol. 135; p. 213.
- Machinery, Certain. Philadelphia Drying Machinery Company. No. 67,855; Feb. 25; Gaz. vol. 132; p. 1831.
- Machinery, Certain. Bartz, Wygant & Brown. No. 69,658; June 30; Gaz. vol. 134; p. 2239.
- Machinery, Parts of transmission. J. M. Davidson. No. 67,779; Feb. 18; Gaz. vol. 132; p. 1581.
- Machinery, tools, and parts thereof, Certain. General Composing Company, Gesellschaft mit beschränkter Haftung. No. 71,849; Dec. 15; Gaz. vol. 137; p. 1707.
- Mackerel and herrings. Strohmeier & Arpe Company. No. 69,596; June 23; Gaz. vol. 134; p. 2024.
- Magazine. Florence Publishing Company. No. 68,548; Apr. 14; Gaz. vol. 133; p. 1675.
- Magazine. R. D. Wyckoff. No. 68,680; Apr. 21; Gaz. vol. 133; p. 1931.
- Magazine. R. E. Long. No. 69,718; June 30; Gaz. vol. 134; p. 2240.
- Magazine. Kimball's Dairy Farmer Company. No. 69,912; July 14; Gaz. vol. 135; p. 447.
- Magazine. Vulcan Steam Shovel Co. No. 70,681; Sept. 22; Gaz. vol. 136; p. 844.
- Magazine. Cushman Company. No. 70,953; Oct. 20; Gaz. vol. 136; p. 1763.
- Magazine. Carter's Ink Company. No. 72,079; Dec. 29; Gaz. vol. 137; p. 2215.
- Magazine, Medical. Farbenfabriken of Elberfeld Co. No. 67,096; Jan. 14; Gaz. vol. 132; p. 463.
- Magazine, Monthly. Morse-Broughton Company. No. 67,837; Feb. 18; Gaz. vol. 132; p. 1583.
- Magazine, Monthly. Outdoor News Company. No. 67,839; Feb. 18; Gaz. vol. 132; p. 1583.
- Magazine, Monthly. Self-Educator Publishing Co. No. 68,275; Mar. 17; Gaz. vol. 133; p. 759.
- Magazine, Monthly. E. Hubbard. No. 69,910; July 14; Gaz. vol. 135; p. 447.
- Magazine or periodical. S. J. Hopper. No. 68,929; May 5; Gaz. vol. 134; p. 253.
- Magazine or trade journal. E. Weston. No. 67,685; Feb. 11; Gaz. vol. 132; p. 1317.
- Magazine periodical. Business Magazine Co. No. 70,653; Sept. 22; Gaz. vol. 136; p. 843.
- Magazine, Weekly. L. S. Dabo. No. 69,403; June 9; Gaz. vol. 134; p. 1559.
- Magazine, Weekly. Vogue Company. No. 69,530; June 16; Gaz. vol. 134; p. 1800.
- Magazine, Weekly. C. Capehart. No. 69,659; June 30; Gaz. vol. 134; p. 2239.
- Magazine, Weekly. H. J. Bohn & Bro. No. 70,934; Oct. 20; Gaz. vol. 136; p. 1763.
- Magazines. System Company. No. 67,844; Feb. 18; Gaz. vol. 132; p. 1583.
- Magazines. System Company. No. 70,780; Oct. 6; Gaz. vol. 136; p. 1293.
- Magazines. National Association of Stationary Engineers. No. 71,669; Dec. 8; Gaz. vol. 137; p. 1478.
- Magazines and journals, Trade. Bible & Fitch. No. 67,325; Jan. 28; Gaz. vol. 132; p. 837.
- Magazines, Monthly. National Sportsman. No. 67,440; Feb. 4; Gaz. vol. 132; p. 1066.
- Magazines, Monthly. D. P. Toomey. No. 69,973; July 21; Gaz. vol. 135; p. 658.
- Magazines, Periodical. Good Housekeeping Co. No. 67,671; Feb. 11; Gaz. vol. 132; p. 1316.
- Magazines, printed books, and essays. Palmer School and Infirmary of Chiropractic. No. 70,607; Sept. 15; Gaz. vol. 136; p. 655.
- Magazines, Weekly. F. V. Chambers. No. 69,956; July 21; Gaz. vol. 135; p. 658.
- Mains and parts of such machines, Machines for tapping. H. Mueller Manufacturing Co. No. 71,527; Dec. 1; Gaz. vol. 137; p. 1231.
- Malt. Charles Zoller Co. No. 69,581; June 23; Gaz. vol. 134; p. 2024.
- Malt and hops, Extract of. Anheuser-Busch Brewing Association. No. 69,092; May 19; Gaz. vol. 134; p. 770.
- Malt beverage. Terre Haute Brewing Company. No. 71,565; Dec. 1; Gaz. vol. 137; p. 1233.

Alphabetical list of trade-marks—Continued.

- Malt beverage, Non-intoxicating. Decatur Brewing Co. No. 71,204; Nov. 10; Gaz. vol. 137; p. 469.
Malt beverage, Non-intoxicating. Home Brewing Company. No. 71,582; Dec. 1; Gaz. vol. 137; p. 1233.
Malt extract. Va. Brewing Co. No. 67,200; Jan. 21; Gaz. vol. 132; p. 675.
Malt extract. Va. Brewing Co. No. 67,370; Jan. 28; Gaz. vol. 132; p. 839.
Malt extract. Theo. Hamm Brewing Co. No. 67,369; Jan. 28; Gaz. vol. 132; p. 838.
Malt extract. American Diamalt Company. No. 70,236; Aug. 11; Gaz. vol. 135; p. 1353.
Malt preparation for making a beverage. Strohmeier & Arpe Company. No. 68,447; Apr. 7; Gaz. vol. 133; p. 1431.
Mandolins, guitars, banjos, and parts of same. Buegeleisen & Jacobson. No. 68,041; Mar. 3; Gaz. vol. 133; p. 225.
Mange in cattle, horses, and dogs, Dressing for. W. Cooper & Nephews. No. 67,966; Mar. 3; Gaz. vol. 133; p. 223.
Manicure articles, Certain. Kampfe Bros. No. 71,594; Dec. 1; Gaz. vol. 137; p. 1233.
Manicure implements. Miller Bros. No. 68,340; Mar. 31; Gaz. vol. 133; p. 1183.
Mantles, lamps, and lamp-fittings, Inverted incandescent. Welsbach Company. No. 68,462; Apr. 7; Gaz. vol. 133; p. 1431.
Massage vibrators and applicators, Electrically-actuated. Standard Electric Works. No. 71,699; Dec. 8; Gaz. vol. 137; p. 1479.
Match-box holders, Safety-. Holdfast Manufacturing Company. No. 71,924; Dec. 22; Gaz. vol. 137; p. 1934.
Match ignition-strips, Safety-. C. M. Hunter. No. 67,852; Feb. 25; Gaz. vol. 132; p. 1831.
Matches. Jönköpings och Vulcans Tändsticksfabriksaktiebolag. No. 67,235; Jan. 28; Gaz. vol. 132; p. 835.
Matches. Nitedals Tændstikfabrik. No. 67,873; Feb. 25; Gaz. vol. 132; p. 1831.
Matches. Nitedals Tændstikfabrik. No. 68,000; Mar. 3; Gaz. vol. 133; p. 224.
Matches. Jönköpings och Vulcans Tändsticksfabriksaktiebolag. No. 68,121; Mar. 10; Gaz. vol. 133; p. 508.
Matches. Strohmeier & Arpe Company. No. 69,763; July 7; Gaz. vol. 135; p. 213.
Matches. Buckeye Match Company. No. 70,127; Aug. 4; Gaz. vol. 135; p. 1117.
Matches. J. A. Hunt. Nos. 70,928-9; Oct. 20; Gaz. vol. 136; p. 1763.
Matches, Safety-. J. A. Hunt. Nos. 71,471-2; Nov. 24; Gaz. vol. 137; p. 974.
Matches, Safety-. Nitedals Tændstikfabrik. No. 71,600; Dec. 1; Gaz. vol. 137; p. 1234.
Mattresses. Louisville Pillow Co. No. 70,199; Aug. 11; Gaz. vol. 135; p. 1357.
Mattresses. Salt Lake Mattress & Mfg. Co. No. 70,271; Aug. 18; Gaz. vol. 135; p. 1577.
Mattresses. Longview Crate and Woodenware Mfg. Co. No. 70,374; Aug. 25; Gaz. vol. 135; p. 1798.
Mattresses, pillows, lounges, and davenport, Certain. J. C. Hirschman Company. No. 68,108; Mar. 10; Gaz. vol. 133; p. 508.
Meal, Cotton-seed. San Antonio Oil Works. No. 69,462; June 16; Gaz. vol. 134; p. 1798.
Mayonnaise dressing, Preparation for. G. W. Swain. No. 70,442; Sept. 1; Gaz. vol. 136; p. 221.
Measures and optical goods, Certain. Daimler-Motoren-Gesellschaft. No. 71,288; Nov. 17; Gaz. vol. 137; p. 727.
Measuring and scientific instruments, Certain. Keuffel & Esser Company. No. 68,653; Apr. 21; Gaz. vol. 133; p. 1931.
Measuring appliances, Certain. Ascroft Manufacturing Company. No. 67,523; Feb. 4; Gaz. vol. 132; p. 1068.
Measuring-tapes. Norvell-Shapleigh Hardware Company. No. 67,794; Feb. 18; Gaz. vol. 132; p. 1581.
Meat extracts. Compagnie des Produits Kemmerich Société Anonyme. No. 70,952; Oct. 20; Gaz. vol. 136; p. 1763.
Meats and lard. J. Hoffmann's Sons. No. 68,800; Apr. 28; Gaz. vol. 133; p. 2175.
Meats and sausage, Cured. Kingan and Company. No. 67,726; Feb. 18; Gaz. vol. 132; p. 1580.
Meats, and sausage, Cured, salted, and canned. Kingan and Company. No. 69,077; May 19; Gaz. vol. 134; p. 770.
Meats, Cured. Jacob Dold Packing Company. No. 69,064; May 19; Gaz. vol. 134; p. 770.
Meats, Cured. Electric Meat Curing Company. No. 69,583; June 23; Gaz. vol. 134; p. 2024.
Meats, Fresh. Jacob Dold Packing Company. No. 67,161; Jan. 21; Gaz. vol. 132; p. 674.
Meats, lard, and sausage. Kingan and Company. No. 66,928; Jan. 7; Gaz. vol. 132; p. 226.
Medical and surgical plasters. Physicians Chemical and Drug Company. No. 68,445; Apr. 7; Gaz. vol. 133; p. 1431.
Medical compound. G. M. Burroughs. No. 69,757; June 30; Gaz. vol. 134; p. 2241.
Medical compound for facilitating digestion. M. Fekete. No. 69,935; July 21; Gaz. vol. 135; p. 657.
Medical compounds containing iron. M. Gering. No. 97,768; Mar. 3; Gaz. vol. 133; p. 223.
Medical preparation for skin diseases. W. A. Mestrezat. No. 71,927; Dec. 22; Gaz. vol. 137; p. 1934.
Medical preparations, Certain. Home Remedy Company. No. 69,210; May 26; Gaz. vol. 134; p. 1046.
Medical preparations, Certain. Socetà. Prodtti. Chimco. Farmacci. A. Bertelli & C. No. 69,739; June 30; Gaz. vol. 134; p. 2241.
Medicated bathing fluid. G. Bückle. No. 70,713; Sept. 29; Gaz. vol. 136; p. 1063.
Medicated cattle-dip. Iowa Hog & Cattle Powder Company. No. 68,584; Apr. 21; Gaz. vol. 133; p. 1929.
Medicated chest-protectors. Scott and Co. No. 72,012; Dec. 29; Gaz. vol. 137; p. 2214.
Medicated cotton wool. Sharp & Dohme. No. 68,676; Apr. 21; Gaz. vol. 133; p. 1931.
Medicated lotion. A. Robertson. No. 67,689; Feb. 11; Gaz. vol. 132; p. 1317.
Medicated lozenges for coughs. Henry Thayer & Company. No. 71,230; Nov. 10; Gaz. vol. 137; p. 470.
Medicated plasters. Physicians Chemical and Drug Company. No. 67,421; Feb. 4; Gaz. vol. 132; p. 1066.
Medicated plasters. Socetà. Prodtti. Chimco. Farmacci. A. Bertelli & C. No. 69,497; June 16; Gaz. vol. 134; p. 1799.
Medicated preparation for the hair, scalp, and skin. Barclay & Barclay. No. 69,389; June 9; Gaz. vol. 134; p. 1558.
Medicated preparation for the hair, scalp, and skin. Barclay & Barclay. No. 71,363; Nov. 17; Gaz. vol. 137; p. 729.
Medicated salt for feeding to animals. B. R. Bonney. No. 71,428; Nov. 24; Gaz. vol. 137; p. 973.
Medicated tablets. Dr. J. H. McLean. No. 70,238; Aug. 11; Gaz. vol. 135; p. 1358.
Medicated wines. H. S. Wellcome. No. 67,146; Jan. 21; Gaz. vol. 132; p. 673.
Medicinal and toilet cologne. Robinson Bros. & Company. No. 67,896; Feb. 25; Gaz. vol. 132; p. 1832.
Medicinal and toilet cologne. Robinson Bros. & Company. No. 67,985; Mar. 3; Gaz. vol. 133; p. 223.
Medicinal compound. Alkalol Company. No. 70,850; Oct. 13; Gaz. vol. 136; p. 1527.
Medicinal malt extracts. New South Brewery & Ice Co. No. 67,192; Jan. 21; Gaz. vol. 132; p. 674.
Medicinal oil. H. Claus. No. 70,637; Sept. 22; Gaz. vol. 136; p. 843.
Medicinal oil. National Remedy Co. Nos. 70,641-2; Sept. 22; Gaz. vol. 136; p. 843.
Medicinal oil for internal and external use. C. D. Tilly. No. 71,517; Dec. 1; Gaz. vol. 137; p. 1231.
Medicinal pills for diseases of the liver. Sorrells Drug Company. No. 70,231; Aug. 11; Gaz. vol. 135; p. 1358.
Medicinal plaster and paint. J. E. Garratt. No. 68,953; May 12; Gaz. vol. 134; p. 509.
Medicinal powder. Farbwerke vorm. Meister Lucius & Brüning. No. 69,560; June 23; Gaz. vol. 134; p. 2023.
Medicinal powders, Certain. J. W. James Company. No. 67,590; Feb. 11; Gaz. vol. 132; p. 1314.
Medicinal preparation. Morris Pharmacal Company of New York. No. 68,112; Mar. 10; Gaz. vol. 133; p. 508.
Medicinal preparation. Sharp & Dohme. No. 70,611; Sept. 15; Gaz. vol. 136; p. 655.
Medicinal preparation, Antiseptic. G. A. Truesdell. No. 67,695; Feb. 18; Gaz. vol. 132; p. 1579.
Medicinal preparation, Certain. Mercer Drug Company. No. 67,031; Jan. 14; Gaz. vol. 132; p. 461.
Medicinal preparation, Certain. Mariani & Co. No. 67,912; Feb. 25; Gaz. vol. 132; p. 1832.
Medicinal preparation, Certain. A. M. Goldstandt. No. 69,209; May 26; Gaz. vol. 134; p. 1046.
Medicinal preparation, Certain. Sharp & Dohme. No. 69,738; June 30; Gaz. vol. 134; p. 2241.
Medicinal preparation, Certain. J. J. Vetter. No. 70,721; Sept. 29; Gaz. vol. 136; p. 1063.
Medicinal preparation containing albumen. Tropon Works. No. 72,055; Dec. 29; Gaz. vol. 137; p. 2215.
Medicinal preparation for the blood. I. R. Blackburn. No. 68,237; Mar. 17; Gaz. vol. 133; p. 758.
Medicinal preparations. E. M. Shipman. No. 69,822; July 7; Gaz. vol. 135; p. 214.
Medicinal preparations. Pape, Thompson & Pape. No. 70,508; Sept. 8; Gaz. vol. 136; p. 434.
Medicinal preparations, Certain. John Wyeth and Brother. Nos. 68,109-10; Mar. 10; Gaz. vol. 133; p. 508.
Medicinal preparations, Certain. Home Remedy Company. No. 68,120; Mar. 10; Gaz. vol. 133; p. 508.
Medicinal preparations, Certain. W. H. Gale. No. 68,906; May 5; Gaz. vol. 134; p. 252.
Medicinal preparations, Certain. W. E. McJohnston. No. 69,892; July 14; Gaz. vol. 135; p. 446.
Medicinal preparations for certain diseases. W. M. Grover. No. 70,241; Aug. 11; Gaz. vol. 135; p. 1358.
Medicinal preparations for coughs and colds. W. O. Frailey. No. 71,169; Nov. 3; Gaz. vol. 137; p. 225.
Medicinal product. A. von Poehl. No. 72,076; Dec. 29; Gaz. vol. 137; p. 2215.
Medicinal remedy for certain diseases. W. P. Cabler. No. 72,037; Dec. 29; Gaz. vol. 137; p. 2214.
Medicinal roots, barks, herbs, gums, &c. J. L. Hopkins & Company. No. 68,910; May 5; Gaz. vol. 134; p. 252.
Medicinal salts. City Carbisd. No. 71,351; Nov. 17; Gaz. vol. 137; p. 729.
Medicinal suppositories. H. S. Wellcome. No. 67,607; Feb. 11; Gaz. vol. 132; p. 1314.
Medicinal tonic. Peoples Chemical Co. No. 67,142; Jan. 21; Gaz. vol. 132; p. 673.
Medicinal tonic. F. G. Stewart & Company. No. 68,516; Apr. 14; Gaz. vol. 133; p. 1674.
Medicinal tonic. Theodore Metcalf Company. No. 69,904; July 14; Gaz. vol. 135; p. 446.
Medicinal wine. C. J. Urici. No. 67,033; Jan. 14; Gaz. vol. 132; p. 461.
Medicine. C. H. Rush. Nos. 71,717-19; Dec. 15; Gaz. vol. 137; p. 1703.
Medicine. Bristol-Myers Company. No. 71,799; Dec. 15; Gaz. vol. 137; p. 1705.
Medicine, Certain. C. T. Nelsen. No. 66,908; Jan. 7; Gaz. vol. 132; p. 225.

Alphabetical list of trade-marks—Continued.

- Medicine, Certain. J. Houston. No. 67,139; Jan. 21; Gaz. vol. 132; p. 673.
 Medicine, Certain. Old Kentucky Mfg. Co. No. 67,141; Jan. 21; Gaz. vol. 132; p. 673.
 Medicine, Certain. Agricultural Remedy Co. No. 67,587; Feb. 11; Gaz. vol. 132; p. 1314.
 Medicine, Certain. E. Molloff. No. 67,592; Feb. 11; Gaz. vol. 132; p. 1314.
 Medicine, Certain. R. S. Glover. No. 67,597; Feb. 11; Gaz. vol. 132; p. 1314.
 Medicine, Certain. Lash's Bitters Company. No. 67,786; Feb. 18; Gaz. vol. 132; p. 1581.
 Medicine, Certain. W. Hartman. No. 68,466; Apr. 7; Gaz. vol. 133; p. 1431.
 Medicine, Certain. Evans Chemical Co. No. 69,151; May 19; Gaz. vol. 134; p. 772.
 Medicine for ailments of the bladder. F. A. Richter. No. 71,629; Dec. 8; Gaz. vol. 137; p. 1477.
 Medicine for animals. Tonic. B. N. Hunt. No. 68,241; Mar. 17; Gaz. vol. 133; p. 758.
 Medicine for certain diseases. Wendell Pharmacal Co. No. 67,608; Feb. 11; Gaz. vol. 132; p. 1315.
 Medicine for certain diseases. Appendixine Company. No. 69,601; June 23; Gaz. vol. 134; p. 2024.
 Medicine for certain diseases. W. D. Bowen. No. 71,988; Dec. 29; Gaz. vol. 137; p. 2213.
 Medicine for domestic animals and fowls. D. E. Hoover. No. 69,939; July 21; Gaz. vol. 135; p. 657.
 Medicine for leucorrhea. W. & B. Chemical Company. No. 68,961; May 12; Gaz. vol. 134; p. 509.
 Medicine for pulmonary diseases. W. C. Tyndale. No. 67,388; Jan. 28; Gaz. vol. 132; p. 839.
 Medicine for purifying the blood. A. M. Dowsley. No. 67,589; Feb. 11; Gaz. vol. 132; p. 1314.
 Medicine for rheumatism. J. C. Miller. No. 67,418; Feb. 4; Gaz. vol. 132; p. 1065.
 Medicine for the kidneys and urinary organs. Claflin Chemical Co. No. 68,106; Mar. 10; Gaz. vol. 133; p. 507.
 Medicine for the treatment of gall-stone diseases. O. F. Schmid Chemical Company. No. 70,226; Aug. 11; Gaz. vol. 135; p. 1358.
 Medicine for the treatment of certain diseases. Franco-American Ferment Company. No. 71,708; Dec. 15; Gaz. vol. 137; p. 1703.
 Medicine for the treatment of piles and eczema. R. W. Graves. No. 70,792; Oct. 6; Gaz. vol. 136; p. 1293.
 Medicine, Horse. Elliott and Sharp. No. 69,150; May 19; Gaz. vol. 134; p. 772.
 Medicine, Proprietary herb. G. A. Eldridge & Co. No. 69,544; June 16; Gaz. vol. 134; p. 1800.
 Medicine, Tonic. B. Miller. No. 66,906; Jan. 7; Gaz. vol. 132; p. 225.
 Medicine used as a blood-purifier. F. V. Lippman. No. 71,170; Nov. 3; Gaz. vol. 137; p. 225.
 Medicine, Veterinary. J. A. Cotten. No. 66,901; Jan. 7; Gaz. vol. 132; p. 225.
 Medicine, Veterinary. C. Lageman. No. 69,213; May 26; Gaz. vol. 134; p. 1046.
 Medicines and pharmaceutical preparations, Certain. F. F. Newell. Nos. 67,765-6; Feb. 18; Gaz. vol. 132; p. 1581.
 Medicines and preparations, Veterinary. Watson Company. No. 70,620; Sept. 15; Gaz. vol. 136; p. 655.
 Medicines and plasters, Certain. Société anonyme des Produits Chimiques Spéciaux. No. 67,917; Feb. 25; Gaz. vol. 132; p. 1833.
 Medicines and toilet preparations, Certain. Universal Drug and Chemical Co. No. 67,538; Feb. 4; Gaz. vol. 132; p. 1069.
 Medicines and toilet preparations, Certain. Boksichizky and Rotkowitz. No. 68,238; Mar. 17; Gaz. vol. 133; p. 758.
 Medicines and toilet preparations, Certain. P. Beiersdorf & Co. No. 68,604; Apr. 21; Gaz. vol. 133; p. 1929.
 Medicines, Aperient and laxative. E. Bischoff. No. 69,569; June 23; Gaz. vol. 134; p. 2023.
 Medicines, Blood-purifying and tonic. Peck Johnson Company. No. 70,382; Aug. 25; Gaz. vol. 135; p. 1798.
 Medicines, Certain. Dermatone Company. No. 67,136; Jan. 21; Gaz. vol. 132; p. 673.
 Medicines, Certain. Davis Chemical Company. No. 67,595; Feb. 11; Gaz. vol. 132; p. 1314.
 Medicines, Certain. Dix Manufacturing Company. No. 67,596; Feb. 11; Gaz. vol. 132; p. 1314.
 Medicines, Certain. Peck Johnson Company. No. 67,603; Feb. 11; Gaz. vol. 132; p. 1314.
 Medicines, Certain. R. S. Clymer. No. 67,777; Feb. 18; Gaz. vol. 132; p. 1581.
 Medicines, Certain. P. Chevreux. No. 67,905; Feb. 25; Gaz. vol. 132; p. 1832.
 Medicines, Certain. Société anonyme des Produits Chimiques Spéciaux. No. 67,916; Feb. 25; Gaz. vol. 132; p. 1833.
 Medicines, Certain. Société anonyme des Produits Chimiques Spéciaux. Nos. 67,918-19; Feb. 25; Gaz. vol. 132; p. 1833.
 Medicines, Certain. Flournoy and Johnson. No. 67,977; Mar. 3; Gaz. vol. 133; p. 223.
 Medicines, Certain. Norwich Pharmacal Company. No. 67,983; Mar. 3; Gaz. vol. 133; p. 223.
 Medicines, Certain. United Incubator and Poultry Supply Manufacturing Company. No. 68,252; Mar. 17; Gaz. vol. 133; p. 758.
 Medicines, Certain. M. J. Bacon. No. 68,343; Mar. 31; Gaz. vol. 133; p. 1183.
 Medicines, Certain. Curtiss Medicine Company. No. 68,346; Mar. 31; Gaz. vol. 133; p. 1183.
 Medicines, Certain. Ecco Pharmacal Co. No. 68,537; Apr. 14; Gaz. vol. 133; p. 1674.
 Medicines, Certain. F. A. Richter. Nos. 68,934-5; May 5; Gaz. vol. 134; p. 253.
 Medicines, Certain. J. I. Verbina. No. 69,387; June 9; Gaz. vol. 134; p. 1558.
 Medicines, Certain. P. Q. Medicine Co. No. 69,894; July 14; Gaz. vol. 135; p. 446.
 Medicines, Certain. Collins Medicine Company. No. 70,393; Aug. 25; Gaz. vol. 135; p. 1799.
 Medicines, Certain. Dr. J. H. McLean Medicine Company. No. 71,015; Oct. 27; Gaz. vol. 136; p. 1995.
 Medicines, Certain. Dr. Bob Medical Company. No. 71,434; Nov. 24; Gaz. vol. 137; p. 973.
 Medicines, Certain named. J. L. Lascoff. No. 69,632; June 23; Gaz. vol. 134; p. 2025.
 Medicines, Cough. Ricketts Bros. No. 67,364; Jan. 28; Gaz. vol. 132; p. 838.
 Medicines for birds and fowls, Certain. United Incubator and Poultry Supply Manufacturing Company. No. 68,128; Mar. 10; Gaz. vol. 133; p. 508.
 Medicines for certain diseases. S-L Drug Company. No. 71,515; Dec. 1; Gaz. vol. 137; p. 1231.
 Medicines for certain diseases. Franco-American Ferment Company. Nos. 71,998-9; Dec. 29; Gaz. vol. 137; p. 2213.
 Medicines for coughs and colds. A. R. White. No. 67,035; Jan. 14; Gaz. vol. 132; p. 461.
 Medicines for internal use. Gehe & Co., Aktiengesellschaft. No. 71,638; Dec. 8; Gaz. vol. 137; p. 1478.
 Medicines for stomach and liver diseases. A. La Bell. No. 67,358; Jan. 28; Gaz. vol. 132; p. 838.
 Medicines for the treatment of certain diseases. F. Schmid Chemical Company. No. 70,400; Aug. 25; Gaz. vol. 135; p. 1799.
 Medicines for treatment of certain diseases. Franco-American Ferment Company. No. 72,039; Dec. 29; Gaz. vol. 137; p. 2214.
 Medicines in capsule form, Certain. Grape Capsule Company. No. 69,132; May 19; Gaz. vol. 134; p. 771.
 Medicines in tablet form. W. R. Warner & Co. No. 67,802; Feb. 18; Gaz. vol. 132; p. 1582.
 Medicines, Laxative and cathartic. Mutual Drug Company. No. 67,583; Feb. 11; Gaz. vol. 132; p. 1314.
 Medicines prepared from roots, barks, flowers, and fruits. I. M. Braun. No. 69,499; June 16; Gaz. vol. 134; p. 1799.
 Medicines, Tonic. J. Soliveras. No. 68,627; Apr. 21; Gaz. vol. 133; p. 1930.
 Medicines, Tonic. Bomi-Anca Company. No. 69,378; June 9; Gaz. vol. 134; p. 1558.
 Menstruums for solids, pastes, and pills. Dr. Magaris Home Treatment Company. No. 71,502; Dec. 1; Gaz. vol. 137; p. 1231.
 Menthe and crème de menthe. L. A. M. Lapostolle. No. 69,078; May 19; Gaz. vol. 134; p. 770.
 Metal, Antifriction. American Improved Anti-Friction Metal Company. No. 67,774; Feb. 18; Gaz. vol. 132; p. 1581.
 Metal articles, Certain. A. Dewsbury. No. 67,006; Jan. 14; Gaz. vol. 132; p. 461.
 Metal articles, Certain. Marshall-Wells Hardware Co. No. 71,389; Nov. 24; Gaz. vol. 137; p. 971.
 Metal, Babbitt. G. E. Sovereign. No. 71,496; Nov. 24; Gaz. vol. 137; p. 975.
 Metal bars for reinforcing concrete. Concrete-Steel Engineering Company. No. 67,778; Feb. 18; Gaz. vol. 132; p. 1581.
 Metal bars for reinforcing concrete construction. William B. Hough Company. No. 69,071; May 19; Gaz. vol. 134; p. 770.
 Metal, Casting. Klewe & Co. No. 69,182; May 26; Gaz. vol. 134; p. 1045.
 Metal, Expanded. Chess Brothers, The Central Expanded Metal Company. No. 72,061; Dec. 29; Gaz. vol. 137; p. 2215.
 Metal manufactures, Certain. J. Dewsbury & Son. No. 66,919; Jan. 7; Gaz. vol. 132; p. 225.
 Metal manufactures, Certain. Gillette-Vibber Co. No. 67,868; Feb. 25; Gaz. vol. 132; p. 1831.
 Metal plates and sheets, Certain. American Sheet & Tin Plate Co. No. 68,758; Apr. 28; Gaz. vol. 133; p. 2174.
 Metal-polish. Reckitt & Sons. No. 68,712; Apr. 28; Gaz. vol. 133; p. 2173.
 Metal-polish. Evalang Chemical Company. No. 69,179; May 26; Gaz. vol. 134; p. 1045.
 Metal-polish. M. Loewenstein. No. 69,229; May 26; Gaz. vol. 134; p. 1046.
 Metal-polish. Bruno Brothers Manufacturing Company. No. 70,116; Aug. 4; Gaz. vol. 135; p. 1117.
 Metal-polish. Levering, Murray & Hanlon. No. 70,352; Aug. 25; Gaz. vol. 135; p. 1797.
 Metal-polish, Detergent. Krause & Auerbach. No. 67,529; Feb. 4; Gaz. vol. 132; p. 1068.
 Metal-polishes. W. Hutter. No. 69,180; May 26; Gaz. vol. 134; p. 1045.
 Metal-polishes, Abrasive. T. W. Armstrong Co. No. 67,008; Jan. 14; Gaz. vol. 132; p. 461.
 Metal-polishing compound. O. & E. Siersema. No. 70,865; Oct. 13; Gaz. vol. 136; p. 1527.
 Metal-polishing material. M. Edson. No. 71,659; Dec. 8; Gaz. vol. 137; p. 1478.
 Metal reinforcing device. American Concrete Sheet Company. No. 71,796; Dec. 15; Gaz. vol. 137; p. 1705.
 Metal, sheet-steel, tin-plate, and silver solder, Babbitt. Marshall-Wells Hardware Co. No. 71,548; Dec. 1; Gaz. vol. 137; p. 1232.
 Metal ware and jewelry, Solid and plated precious. C. Grunebaum. No. 72,043; Dec. 29; Gaz. vol. 137; p. 2214.
 Metals and metal manufactures, Certain. Patterson, Gottfried & Hunter. No. 68,970; May 12; Gaz. vol. 134; p. 510.
 Metals, Antifriction. Eyre Smelting Co. No. 69,339; June 9; Gaz. vol. 134; p. 1557.
 Metals, Certain. Homer Brass Works. No. 68,097; Mar. 10; Gaz. vol. 133; p. 507.
 Metals, unwrought and partly wrought, Certain. Merchant & Evans Company. No. 67,582; Feb. 11; Gaz. vol. 132; p. 1314.

Alphabetical list of trade-marks—Continued.

- Metallic fabrics. Mattatuck Manufacturing Company. No. 69,185; May 26; Gaz. vol. 134; p. 1045.
 Metallic leaf, Package-rolls of. W. H. Coe Manufacturing Company. No. 70,311; Aug. 18; Gaz. vol. 135; p. 1578.
 Milk. Lacto-Bacilline Company of New York. Nos. 67,937-8; Feb. 25; Gaz. vol. 132; p. 1833.
 Milk. Marshall Milk Condensing Company. No. 68,875; May 5; Gaz. vol. 134; p. 251.
 Milk. John Wilde Evaporated Milk Co. Nos. 70,413-14; Aug. 25; Gaz. vol. 135; p. 1799.
 Milk. Franco-American Ferment Company. No. 71,637; Dec. 8; Gaz. vol. 137; p. 1478.
 Milk. Franco-American Ferment Company. No. 72,065; Dec. 29; Gaz. vol. 137; p. 2215.
 Milk and cheese, Condensed. Ridenour-Baker Grocery Co. No. 68,754; Apr. 28; Gaz. vol. 133; p. 2174.
 Milk and cream. Sheffield Farms-Slawson-Decker Co. No. 67,165; Jan. 21; Gaz. vol. 132; p. 674.
 Milk and cream. H. B. Richards. No. 69,636; June 23; Gaz. vol. 134; p. 2025.
 Milk, Condensed. Wayne County Condensed Milk Co. Nos. 68,529-30; Apr. 14; Gaz. vol. 133; p. 1674.
 Milk, Condensed. Kenneweg Company. No. 68,998; May 12; Gaz. vol. 134; p. 510.
 Milk, Condensed. Nestlé and Anglo-Swiss Condensed Milk Co. Nos. 69,321-2; June 2; Gaz. vol. 134; p. 1295.
 Milk, Condensed. Wayne County Condensed Milk Co. No. 69,324; June 2; Gaz. vol. 134; p. 1295.
 Milk, Condensed. National Condensed Milk Co. No. 70,211; Aug. 11; Gaz. vol. 135; p. 1358.
 Milk, Condensed. Mohawk Condensed Milk Co. No. 71,394; Nov. 24; Gaz. vol. 137; p. 972.
 Milk, Condensed. Mohawk Condensed Milk Co. No. 71,531; Dec. 1; Gaz. vol. 137; p. 1232.
 Milk, Condensed. Wayne County Condensed Milk Co. No. 71,539; Dec. 1; Gaz. vol. 137; p. 1232.
 Milk, Condensed skimmed. Hires Condensed Milk Co. No. 68,746; Apr. 28; Gaz. vol. 133; p. 2174.
 Milk, cream, and butter. Alta Vista Creamery Company. No. 68,411; Apr. 7; Gaz. vol. 133; p. 1430.
 Milk, cream, buttermilk, butter, and cheese. White Springs Farm Dairy Co. No. 70,744; Sept. 29; Gaz. vol. 136; p. 1064.
 Milk, Evaporated. Buse & Caldwell. No. 69,451; June 16; Gaz. vol. 134; p. 1797.
 Milk, Evaporated. National Condensed Milk Co. No. 71,031; Oct. 27; Gaz. vol. 136; p. 1995.
 Milk, Evaporated and condensed. Page Milk Company. No. 68,753; Apr. 28; Gaz. vol. 133; p. 2174.
 Milk-flour and desiccated milk. Standard Milk Flour Co. No. 68,918; May 5; Gaz. vol. 134; p. 252.
 Milk food for infants and invalids. Joseph Nathan & Co. No. 71,816; Dec. 15; Gaz. vol. 137; p. 1706.
 Milk, Unsweetened condensed. Nestlé and Anglo-Swiss Condensed Milk Co. No. 70,001; July 21; Gaz. vol. 135; p. 659.
 Millboard. Harvey & Outerbridge. No. 69,252; June 2; Gaz. vol. 134; p. 1293.
 Mince-meat. Atmore & Son. Nos. 67,038-9; Jan. 14; Gaz. vol. 132; p. 462.
 Mince-meat, canned fruits and vegetables. De Witt Grocery Co. No. 68,134; Mar. 10; Gaz. vol. 133; p. 508.
 Mineral water obtained by condensing ocean-water. J. W. Pack. No. 72,050; Dec. 29; Gaz. vol. 137; p. 2215.
 Mineral waters, Natural. Königliche Regierung Abteilung für direkte Steuern Domänen und Forsten in Wiesbaden. No. 70,164; Aug. 4; Gaz. vol. 135; p. 1118.
 Moccasins. Shields Bros. No. 70,187; Aug. 11; Gaz. vol. 135; p. 1357.
 Moccasins. Sawyer Boot & Shoe Co. No. 71,192; Nov. 10; Gaz. vol. 137; p. 469.
 Moccasins. Sawyer Boot & Shoe Co. No. 71,690; Dec. 8; Gaz. vol. 137; p. 1479.
 Molasses. Penick & Ford. Nos. 67,447-52; Feb. 4; Gaz. vol. 132; p. 1066.
 Molasses. Towle Maple Syrup Company. No. 70,062; July 28; Gaz. vol. 135; p. 889.
 Molasses. Pacific Coast Syrup Co. No. 70,335; Aug. 25; Gaz. vol. 135; p. 1797.
 Molasses. Oelerich & Laux. No. 70,628; Sept. 15; Gaz. vol. 136; p. 655.
 Molasses and corn-syrup, Compound of New Orleans. Schnull & Co. No. 70,059; July 28; Gaz. vol. 135; p. 889.
 Molasses and sugar syrups. W. T. Reynolds & Co. No. 69,859; July 14; Gaz. vol. 135; p. 445.
 Mortar. Ideal Concrete Limited. No. 68,801; Apr. 28; Gaz. vol. 133; p. 2175.
 Mowers, Lawn-. Norvell-Shapleigh Hardware Company. No. 68,001; Mar. 3; Gaz. vol. 133; p. 224.
 Mowers, Lawn-. George Worthington Company. No. 68,204; Mar. 17; Gaz. vol. 133; p. 757.
 Mucilage, glue, sealing-wax, and paste. Derrison Manufacturing Company. No. 70,257; Aug. 18; Gaz. vol. 135; p. 1577.
 Muffler and chest and back protector, Combination. L. Abraham. No. 71,675; Dec. 8; Gaz. vol. 137; p. 1479.
 Music-rolls, Perforated. Standard Music Roll Company. No. 69,232; May 26; Gaz. vol. 134; p. 1047.
 Music, Sheet-. L. C. Küssner. No. 70,761; Sept. 29; Gaz. vol. 136; p. 1064.
 Musical apparatus and parts, Certain. Ludwig Hupfeld Aktiengesellschaft. No. 67,530; Feb. 4; Gaz. vol. 132; p. 1069.
 Musical-instrument strings. Kay Graham Co. No. 68,050; Mar. 3; Gaz. vol. 133; p. 225.
 Musical-instrument strings. M. E. Schoening. No. 69,918; July 14; Gaz. vol. 135; p. 447.
 Musical-instrument strings. M. E. Schoening. Nos. 71,560-1; Dec. 1; Gaz. vol. 137; p. 1232.
 Musical instruments and supplies, Certain. J. Bellak's Sons. Nos. 69,315-16; June 2; Gaz. vol. 134; p. 1295.
 Musical instruments, Certain. Cable Company. Nos. 67,021-2; Jan. 14; Gaz. vol. 132; p. 461.
 Musical instruments, Certain. Puntenney & Kutsler. No. 70,776; Sept. 29; Gaz. vol. 136; p. 1065.
 Musical instruments, Certain. Autotone Co. No. 71,198; Nov. 10; Gaz. vol. 137; p. 469.
 Musical instruments, Certain. A. B. Chase Company. No. 72,056; Dec. 29; Gaz. vol. 137; p. 2215.
 Musical instruments, parts, and supplies, Certain. J. Bellak's Sons. No. 70,459; Sept. 1; Gaz. vol. 136; p. 221.
 Musical strings. Bauer & Dürschmidt. No. 70,125; Aug. 4; Gaz. vol. 135; p. 1117.
 Mustard. R. T. French Company. No. 67,193; Jan. 21; Gaz. vol. 132; p. 674.
 Nail-holders, Magazine. J. H. Looney. No. 70,080; July 28; Gaz. vol. 135; p. 890.
 Nail-polish. Miller Bros. No. 69,521; June 16; Gaz. vol. 134; p. 1799.
 Nail-polish. A. A. Vantine & Co. No. 70,380; Aug. 25; Gaz. vol. 135; p. 1798.
 Nail-polishing paste. Miller Brothers. No. 67,982; Mar. 3; Gaz. vol. 133; p. 223.
 Nails and roofing-nails. H. B. Sherman Manufacturing Company. No. 70,162; Aug. 4; Gaz. vol. 135; p. 1118.
 Naphtha, benzine, and gasoline. Texas Company. No. 70,901; Oct. 13; Gaz. vol. 136; p. 1528.
 Natural carbonated mineral water. Birresborner Mineralbrunnen H. Löhr & Eylert. No. 71,326; Nov. 17; Gaz. vol. 137; p. 728.
 Neckties. B. Weisberg. No. 67,684; Feb. 11; Gaz. vol. 132; p. 1317.
 Neckties. H. C. Cohn & Co. No. 68,186; Mar. 10; Gaz. vol. 133; p. 510.
 Neckties, cravats, scarfs, and neckcloths. A. Nahass. Nos. 71,308-9; Nov. 17; Gaz. vol. 137; p. 728.
 Neckties, Ladies'. W. Trevor. Nos. 68,837-8; Apr. 28; Gaz. vol. 133; p. 2176.
 Needles, Crewel-. Thos. Harper & Sons. No. 67,702; Feb. 18; Gaz. vol. 132; p. 1579.
 Needles, Sewing and knitting. Thomas Harper & Sons. No. 68,431; Apr. 7; Gaz. vol. 133; p. 1430.
 Needles, toilet and safety pins. O. Mustad & Son. No. 70,662; Sept. 22; Gaz. vol. 136; p. 843.
 Newspaper. Chicago Herald Company. No. 67,156; Jan. 21; Gaz. vol. 132; p. 673.
 Newspaper. W. R. Hearst. Nos. 68,685-6; Apr. 21; Gaz. vol. 133; p. 1931.
 Newspaper. Sporting Life Publishing Company. No. 69,203; May 26; Gaz. vol. 134; p. 1046.
 Newspaper. F. Agnus, trustee. No. 69,299; June 2; Gaz. vol. 134; p. 1294.
 Newspaper. M. Sisca. No. 70,493; Sept. 8; Gaz. vol. 136; p. 433.
 Newspaper, Daily. Post Publishing Company. No. 67,677; Feb. 11; Gaz. vol. 132; p. 1316.
 Newspaper, Daily. Lewis Publishing Company. No. 69,033; June 23; Gaz. vol. 134; p. 2025.
 Newspaper, Sunday. Chicago Herald Company. No. 67,665; Feb. 11; Gaz. vol. 132; p. 1316.
 Newspaper, Sunday. Post Publishing Company. No. 67,678; Feb. 11; Gaz. vol. 132; p. 1316.
 Newspaper, Tridaily. United Publishing Co. No. 67,681; Feb. 11; Gaz. vol. 132; p. 1316.
 Nickel salt, Chemical. Waldborg & Co., G. m. b. H. No. 67,986; Mar. 3; Gaz. vol. 133; p. 223.
 Night-shirts, pajamas, and smoking-jackets. Paragon Company. No. 71,834; Dec. 15; Gaz. vol. 137; p. 1706.
 Nippers and pliers. Utica Drop Forge and Tool Co. No. 67,250; Jan. 28; Gaz. vol. 132; p. 835.
 Nipples, Nursing-. Gotham Company. No. 71,504; Dec. 1; Gaz. vol. 137; p. 1231.
 Nitro-oxidizing agent. Nitrox Chemical Company. No. 68,113; Mar. 10; Gaz. vol. 133; p. 508.
 Non-intoxicating tonic made from malt and hops. R. L. Ihlenburg. No. 71,378; Nov. 24; Gaz. vol. 137; p. 971.
 Noodles and macaroni, Egg-. Anger Baking Company. No. 67,037; Jan. 14; Gaz. vol. 132; p. 462.
 Nuts. R. L. Hatch. Nos. 69,687-8; June 30; Gaz. vol. 134; p. 2240.
 Nuts and nut-meats. K. M. Boyajian. No. 69,023; May 12; Gaz. vol. 134; p. 511.
 Oats and wheat-flour, Rolled. Allen Brothers Company. No. 66,912; Jan. 7; Gaz. vol. 132; p. 225.
 Oats, Rolled. Atchison Oat Meal and Cereal Co. No. 66,915; Jan. 7; Gaz. vol. 132; p. 225.
 Oats, Seed-. O. P. Lawson. No. 67,400; Feb. 4; Gaz. vol. 132; p. 1065.
 Oil and an animal fat, Mixture of a vegetable. Wesson Company. Nos. 69,719-20; June 30; Gaz. vol. 134; p. 2240.
 Oil, Castor-. R. J. Wiseman. No. 67,147; Jan. 21; Gaz. vol. 132; p. 673.
 Oil, Corn-. Corn Products Refining Company. No. 69,331; June 9; Gaz. vol. 134; p. 1557.
 Oil, Corn-. Corn Products Refining Company. No. 69,624; June 23; Gaz. vol. 134; p. 2025.
 Oil, Corn-. Corn Products Refining Company. No. 70,826; Oct. 6; Gaz. vol. 136; p. 1294.
 Oil, Cotton-seed. Aspegren & Co. No. 69,103; May 19; Gaz. vol. 134; p. 771.

Alphabetical list of trade-marks—Continued.

- Oil, Cotton-seed. McCaw Manufacturing Co. Nos. 70,911-12; Oct. 13; Gaz. vol. 136; p. 1529.
 Oil, Cotton-seed. Union Oil Company. No. 70,965; Oct. 20; Gaz. vol. 136; p. 1764.
 Oil-filters. Standard Gauge Manufacturing Company. No. 71,673; Dec. 8; Gaz. vol. 137; p. 1479.
 Oil for the treatment of rheumatism and sciatica. J. Lichetti. No. 71,909; Dec. 22; Gaz. vol. 137; p. 1934.
 Oil for use on roadways and as a dust preventive. Westrumite Company of America. No. 69,639; June 23; Gaz. vol. 134; p. 2025.
 Oil, Gun-. Marshall Oil Company. No. 69,230; May 26; Gaz. vol. 134; p. 1046.
 Oil, Hoof-. A. M. Newman. No. 69,216; May 26; Gaz. vol. 134; p. 1046.
 Oil in capsules, Castor-. Grape Capsule Company. No. 70,447; Sept. 1; Gaz. vol. 136; p. 221.
 Oil, Italian olive-. Parodi, Erminio & Co. No. 70,694; Sept. 22; Gaz. vol. 136; p. 844.
 Oil, Italian olive-. E. Russo. No. 70,915; Oct. 13; Gaz. vol. 136; p. 1529.
 Oil, Linseed-. Minnesota Linseed Oil Paint Company. No. 70,895; Oct. 13; Gaz. vol. 136; p. 1528.
 Oil, Linseed-. Mound City Paint & Color Company. No. 70,996; Oct. 20; Gaz. vol. 136; p. 1765.
 Oil, Lubricating-. Galena-Signal Oil Company. Nos. 68,859-60; May 5; Gaz. vol. 134; p. 251.
 Oil, Lubricating-. Fiske Brothers Refining Co. No. 69,883; July 14; Gaz. vol. 135; p. 446.
 Oil, Lubricating-. Cincinnati Oil Works Company. No. 70,237; Aug. 11; Gaz. vol. 135; p. 1358.
 Oils, Lubricating-. Breymann & Hübener. Nos. 71,544-5; Dec. 1; Gaz. vol. 137; p. 1232.
 Oils, Lubricating-. Standard Oil Co. of New York. No. 71,564; Dec. 1; Gaz. vol. 137; p. 1233.
 Oil, Lucca olive-. P. L. Favale & Co. No. 71,636; Dec. 8; Gaz. vol. 137; p. 1478.
 Oil, Oleo-. Schwarzschild and Sulzberger Company. No. 68,232; Mar. 17; Gaz. vol. 133; p. 758.
 Oil, Olive-. Hannah & Hogg. No. 67,048; Jan. 14; Gaz. vol. 132; p. 462.
 Oil, Olive-. N. Johnston & Sons. No. 67,186; Jan. 21; Gaz. vol. 132; p. 674.
 Oil, Olive-. Strohmeier & Arpe Company. No. 67,727; Feb. 18; Gaz. vol. 132; p. 1580.
 Oil, Olive-. Ekman-Stow Co. No. 70,048; July 28; Gaz. vol. 135; p. 889.
 Oil, Olive-. Macaluso Bros. No. 70,353; Aug. 25; Gaz. vol. 135; p. 1797.
 Oil, Olive-. J. E. Gatti & Bro. No. 70,989; Oct. 20; Gaz. vol. 136; p. 1764.
 Oil, Olive-. G. Ehrat. No. 71,374; Nov. 24; Gaz. vol. 137; p. 971.
 Oil, Polishing-. Isley & Held Co. No. 69,572; June 23; Gaz. vol. 134; p. 2023.
 Oil preparation, Finishing-. U. S. Hame Company. No. 69,295; June 2; Gaz. vol. 134; p. 1294.
 Oil, Salad-. Strohmeier & Arpe Company. No. 67,728; Feb. 18; Gaz. vol. 132; p. 1580.
 Oil, Tasteless castor-. Gulf Chemical Co. No. 71,020; Oct. 27; Gaz. vol. 136; p. 1995.
 Oil used in foods, Animal. New York Butchers Dressed Meat Company. No. 68,152; Mar. 10; Gaz. vol. 133; p. 509.
 Oils and greases, Certain. A. Sommer. No. 69,780; July 7; Gaz. vol. 134; p. 213.
 Oils and greases, Illuminating and lubricating. Galena Signal Oil Company. No. 70,878; Oct. 13; Gaz. vol. 136; p. 1528.
 Oils and greases, Lubricating. C. H. Reed & Co. No. 67,341; Jan. 28; Gaz. vol. 132; p. 838.
 Oils and greases, Lubricating. Cook & Cokelair. No. 68,302; Mar. 24; Gaz. vol. 133; p. 987.
 Oils and greases, Lubricating. U. S. Mill Supply Co. No. 70,820; Oct. 6; Gaz. vol. 136; p. 1294.
 Oils and greases, Lubricating. Valvoline Oil Company. No. 70,822; Oct. 6; Gaz. vol. 136; p. 1294.
 Oils and lubricants, Lubricating-. Chemische Werke Hansa Gesellschaft mit beschränkter Haftung. No. 68,059; Mar. 3; Gaz. vol. 133; p. 225.
 Oils, Certain. Strohmeier & Arpe Company. No. 68,002; Mar. 3; Gaz. vol. 133; p. 224.
 Oils, Cotton-seed. Southern Cotton Oil Company. No. 69,714; June 30; Gaz. vol. 134; p. 2240.
 Oils, Cotton-seed. Wesson Company. No. 69,721; June 30; Gaz. vol. 134; p. 2240.
 Oils, greases, and pastes, Lubricating. L. Sonneborn Sons. No. 68,069; Mar. 3; Gaz. vol. 133; p. 226.
 Oils, greases, and petroleum products. Daimler-Motoren-Gesellschaft. No. 71,287; Nov. 17; Gaz. vol. 137; p. 727.
 Oils, Illuminating-. Columbia Oil Co. No. 71,284; Nov. 17; Gaz. vol. 137; p. 727.
 Oils, Lubricating-. Sun Company. No. 70,804; Oct. 6; Gaz. vol. 136; p. 1293.
 Oils, Lubricating-. E. M. Silberman. No. 71,319; Nov. 17; Gaz. vol. 137; p. 728.
 Oils, Silicates for clarifying. J. Basler & Co. No. 69,329; June 9; Gaz. vol. 134; p. 1557.
 Oiling roads, Preparations for. American Tar Company. Nos. 70,388-90; Aug. 25; Gaz. vol. 135; p. 1798.
 Oily preparation, Certain. Jacques Wolf and Co. No. 70,991; Oct. 20; Gaz. vol. 136; p. 1765.
 Ointment. Dermatone Company. No. 66,902; Jan. 7; Gaz. vol. 132; p. 225.
 Ointment. Robinson Bros. & Company. No. 67,915; Feb. 25; Gaz. vol. 132; p. 1833.
 Ointment. S. J. Birkhead. No. 68,344; Mar. 31; Gaz. vol. 133; p. 1183.
 Ointment. R. R. Nesbitt. No. 69,525; June 16; Gaz. vol. 134; p. 1799.
 Ointment. C. E. Fulford, Limited. No. 69,876; July 14; Gaz. vol. 135; p. 446.
 Ointment. Patterson Medicine Co. No. 69,895; July 14; Gaz. vol. 135; p. 446.
 Ointment. J. B. Davis. No. 70,098; July 28; Gaz. vol. 135; p. 890.
 Ointment. Palmer and Powell. No. 70,120; Aug. 4; Gaz. vol. 135; p. 1117.
 Ointments. H. M. Tileston. No. 67,145; Jan. 21; Gaz. vol. 132; p. 673.
 Ointments. J. C. F. Woodworth. No. 68,090; Mar. 10; Gaz. vol. 133; p. 507.
 Ointments, Curative. P. Destrempe. No. 67,761; Feb. 18; Gaz. vol. 132; p. 1581.
 Ointments, Veterinary. Electric Hoof Oil Company. No. 69,510; June 16; Gaz. vol. 134; p. 1799.
 Oleomargarin. Blanton Manufacturing Company. No. 69,352; June 9; Gaz. vol. 134; p. 1557.
 Olives and olive-oil, California. S. G. Dorr. Nos. 71,891; Dec. 22; Gaz. vol. 137; p. 1933.
 Opera, marine, and field glasses. Baile-Lemaire & Fils. No. 70,566; Sept. 15; Gaz. vol. 136; p. 653.
 Optical goods, Certain. Rathenower Optische Industrie Anstalt vorm. Emil Busch, A. G. No. 71,156; Nov. 3; Gaz. vol. 137; p. 224.
 Optical instruments. C. Zeiss. No. 67,643; Feb. 11; Gaz. vol. 132; p. 1315.
 Optical instruments and parts thereof. C. Zeiss. Nos. 68,570-3; Apr. 14; Gaz. vol. 133; p. 1675.
 Oranges. P. Ruhlman & Co. No. 70,058; July 28; Gaz. vol. 135; p. 889.
 Organs. Estey Organ Company. No. 70,655; Sept. 22; Gaz. vol. 136; p. 843.
 Outlet, switch, and conduit boxes. W. H. Colgan Co. No. 70,392; Aug. 25; Gaz. vol. 135; p. 1798.
 Overallis. S. Cohen. No. 66,957; Jan. 7; Gaz. vol. 132; p. 227.
 Overallis. Sweet, Orr & Co. No. 69,323; June 2; Gaz. vol. 134; p. 1295.
 Overallis. Kahn Manufacturing Company. No. 69,371; June 9; Gaz. vol. 134; p. 1558.
 Overallis and coats to match the same. Sweet, Orr & Company. No. 68,459; Apr. 7; Gaz. vol. 133; p. 1431.
 Overallis, jackets, and pants. Hundley Dry Goods Co. No. 70,830; Oct. 6; Gaz. vol. 136; p. 1294.
 Overallis, jumper, work-coats, and work-pants. Smith-McCord-Townsend D. G. Co. No. 71,857; Dec. 15; Gaz. vol. 137; p. 1707.
 Overallis, jumpers, and trousers. Texas Overall Company. No. 67,521; Feb. 4; Gaz. vol. 132; p. 1068.
 Overallis, jumpers, shirts, and pants. Burnham-Munger Mfg. Co. No. 71,279; Nov. 17; Gaz. vol. 137; p. 727.
 Overallis, jumpers, trousers, and dress-shirts. American Manufacturing Company. No. 68,178; Mar. 10; Gaz. vol. 133; p. 509.
 Overallis, shirts, coats, jackets, and pants. Mulrone Manufacturing Company. No. 67,237; Jan. 28; Gaz. vol. 132; p. 835.
 Overcoats and outer suits. Friend Brothers Clothing Company. No. 71,526; Dec. 1; Gaz. vol. 137; p. 1231.
 Overcoats, coats, vests, and trousers. Block Brothers Clothing Company. No. 67,229; Jan. 28; Gaz. vol. 132; p. 835.
 Overcoats, Fur-lined and fur-trimmed. Zeeman Fur Coat Company. No. 71,570; Dec. 1; Gaz. vol. 137; p. 1233.
 Overcoats, Men's. M. & W. Naumburg & Co. No. 70,138; Aug. 4; Gaz. vol. 135; p. 1117.
 Overcoats, Men's. M. & W. Naumburg & Co. No. 70,467; Sept. 1; Gaz. vol. 136; p. 222.
 Overshirts, Men's. Washington Shirt Co. No. 67,238; Jan. 28; Gaz. vol. 132; p. 835.
 Oyster and clam shells and grit for poultry. E. W. Conklin & Son. No. 70,118; Aug. 4; Gaz. vol. 135; p. 1117.
 Oysters. J. and J. W. Elsworth Company. No. 70,691; Sept. 22; Gaz. vol. 136; p. 844.
 Oysters. Miller Bros. & Co. No. 70,976; Oct. 20; Gaz. vol. 136; p. 1764.
 Oysters, Canned. A. Booth and Company. No. 71,364; Nov. 24; Gaz. vol. 137; p. 971.
 Packing, Asbestos. H. W. Johns-Manville Company. No. 68,829; Apr. 28; Gaz. vol. 133; p. 2176.
 Packing, Asbestos. New Jersey Asbestos Company. No. 71,237; Nov. 10; Gaz. vol. 137; p. 470.
 Packing, hose, and belting, Certain. J. F. Grossmiller. No. 69,516; June 16; Gaz. vol. 134; p. 1799.
 Packing, Hydraulic. Strong Machinery & Supply Co. No. 63,279; Mar. 17; Gaz. vol. 133; p. 759.
 Packing, Machinery. New York Belting and Packing Company. No. 67,214; Jan. 21; Gaz. vol. 132; p. 675.
 Packing, Machinery. New York Belting and Packing Company. No. 67,338; Jan. 28; Gaz. vol. 132; p. 838.
 Packing materials consisting of wood shavings. W. D. Craig. No. 71,329; Nov. 17; Gaz. vol. 137; p. 728.
 Packing of metal, asbestos, rubber, and fabric. De Zouche, Hanson & Co. No. 69,909; July 14; Gaz. vol. 135; p. 447.
 Packing, Piston-rod and machinery. Mulconroy Company. No. 69,320; June 2; Gaz. vol. 134; p. 1295.
 Packing, Rod and piston. Charleston Metallic Packing Co. No. 69,196; May 26; Gaz. vol. 134; p. 1046.
 Packing, Rubber and asbestos. Ungarische Gummiwaarenfabriks Actiengesellschaft. No. 68,839; Apr. 28; Gaz. vol. 133; p. 2176.
 Packing, Steam or machinery. Kuschnitzky & Grünhut. No. 67,894; Feb. 25; Gaz. vol. 132; p. 1832.

Alphabetical list of trade-marks—Continued.

- Packings, Certain. Woven Steel Hose & Rubber Company. Nos. 71,347-8; Nov. 17; Gaz. vol. 137; p. 729.
- Packings, pump-valves, gaskets, &c. Consolidated Packing & Supply Co. No. 70,807; Oct. 6; Gaz. vol. 136; p. 1293.
- Packings, Steam and hydraulic. Woven Steel Hose & Rubber Company. No. 71,270; Nov. 10; Gaz. vol. 137; p. 471.
- Padlocks. Yale & Towne Manufacturing Company. No. 67,251; Jan. 28; Gaz. vol. 132; p. 835.
- Padlocks. Eagle Lock Co. No. 69,828; July 7; Gaz. vol. 135; p. 214.
- Pads and belts, Certain. A. I. Jordan. No. 71,335; Nov. 17; Gaz. vol. 137; p. 729.
- Pails, buckets, tubs, kegs, and barrels, Oyster. Sanitary Oyster Carrier Company. No. 70,112; July 28; Gaz. vol. 135; p. 891.
- Pails, Sheet-metal. S. W. Milligan. No. 71,475; Nov. 24; Gaz. vol. 137; p. 974.
- Paint. A. E. Kirk. No. 67,888; Feb. 25; Gaz. vol. 132; p. 1832.
- Paint. C. A. Woolsey Paint & Color Company. No. 69,989; July 21; Gaz. vol. 135; p. 658.
- Paint. Chas. R. Long, Jr., Co. No. 70,006; July 21; Gaz. vol. 135; p. 659.
- Paint. Chas. R. Long, Jr., Co. No. 70,215; Aug. 11; Gaz. vol. 135; p. 1358.
- Paint. Dunford Roof & Bridge Paint Manufacturing Co. No. 71,658; Dec. 8; Gaz. vol. 137; p. 1478.
- Paint and pipe-cement, Graphite. United States Graphite Company. No. 67,346; Jan. 28; Gaz. vol. 132; p. 838.
- Paint and turpentine, Mineral. Lino Paint Company. No. 68,360; Mar. 31; Gaz. vol. 133; p. 1184.
- Paint and varnish cleaner and solvent. Hazard Paint and Chemical Company. No. 68,476; Apr. 14; Gaz. vol. 133; p. 1673.
- Paint and varnish remover, Liquid. Anthracite Mfg. Co. No. 70,870; Oct. 13; Gaz. vol. 136; p. 1527.
- Paint, Ceramic gold. Climax Ceramic Company. No. 70,007; July 21; Gaz. vol. 135; p. 659.
- Paint, Coal-tar. A. C. Cunningham. No. 70,810; Oct. 6; Gaz. vol. 136; p. 1293.
- Paint, Composition. "Le Ripolin," (Société anonyme française de peintures laquées et d'enduits sous-marins, procédés Lefranc & Briegleb réunis.) No. 67,163; Jan. 21; Gaz. vol. 132; p. 674.
- Paint, Enamel-. Lowe Brothers Co. No. 68,273; Mar. 17; Gaz. vol. 133; p. 759.
- Paint, Enamel-. Rinald Bros. No. 69,079; May 19; Gaz. vol. 134; p. 770.
- Paint, Oil-. Muralo Co. No. 70,998; Oct. 20; Gaz. vol. 136; p. 1765.
- Paint, Opaque enamel-. United States Gutta Percha Paint Company. No. 71,082; Oct. 27; Gaz. vol. 136; p. 1997.
- Paints. Sub-Marine Paint Company. No. 69,082; May 19; Gaz. vol. 134; p. 770.
- Paints. McClintock & Irvine Co. No. 69,790; July 7; Gaz. vol. 135; p. 214.
- Paints. F. W. Anderson. No. 70,005; July 21; Gaz. vol. 135; p. 659.
- Paints. L. H. Reuter. No. 70,081; July 28; Gaz. vol. 135; p. 890.
- Paints. Minnesota Linseed Oil Paint Company. No. 70,894; Oct. 13; Gaz. vol. 136; p. 1528.
- Paints. A. Burdsal Company. No. 70,978; Oct. 20; Gaz. vol. 136; p. 1764.
- Paints. Ajax Paint Company. No. 71,521; Dec. 1; Gaz. vol. 137; p. 1231.
- Paints. Dallman & Cooper Supply Company. No. 72,062; Dec. 29; Gaz. vol. 137; p. 2215.
- Paints and varnishes. S. H. French & Co. No. 70,015; July 21; Gaz. vol. 135; p. 659.
- Paints and varnishes. Schoedinger-Marr Company. No. 70,803; Oct. 6; Gaz. vol. 136; p. 1293.
- Paints and varnishes, Mixed. "Le Ripolin," (Société anonyme française de peintures laquées et d'enduits sous-marins, procédés Lefranc & Briegleb réunis.) No. 67,337; Jan. 28; Gaz. vol. 132; p. 838.
- Paints, Asphaltic. Barber Asphalt Paving Company. No. 72,036; Dec. 29; Gaz. vol. 137; p. 2214.
- Paints, Certain. Atlas Preservative Company. No. 69,767; July 7; Gaz. vol. 135; p. 213.
- Paints, Cold-water. N. Z. Graves Company. No. 71,784; Dec. 15; Gaz. vol. 137; p. 1705.
- Paints, Dry metallic. Prince's Metallic Paint Co. No. 69,349; June 9; Gaz. vol. 134; p. 1557.
- Paints, enamels, stains, and colors. A. Wilhelm Co. No. 71,540; Dec. 1; Gaz. vol. 137; p. 1232.
- Paints, Liquid mixed. Farquhar & Gill. No. 70,394; Aug. 25; Gaz. vol. 135; p. 1799.
- Paints, Mixed. Atlantic Paint Company. No. 68,055; Mar. 3; Gaz. vol. 133; p. 225.
- Paints, pigments, stains, &c. Sherwin-Williams Co. No. 67,166; Jan. 21; Gaz. vol. 132; p. 674.
- Paints, Ready-mixed. N. Z. Graves Company. No. 71,668; Dec. 8; Gaz. vol. 137; p. 1478.
- Paints, &c. Reducing-spirits or thinner for. Chas. H. Moore Oil Co. No. 70,908; Oct. 13; Gaz. vol. 136; p. 1529.
- Paints, stains, and colors. A. Wilhelm Co. No. 71,571; Dec. 1; Gaz. vol. 137; p. 1233.
- Paints, stains, enamels, &c. Patterson-Sargent Company. No. 70,999; Oct. 20; Gaz. vol. 136; p. 1765.
- Painters' colors, Certain. G. Siegle & Co. G. m. b. H. Nos. 71,357; Nov. 17; Gaz. vol. 137; p. 729.
- Painters' materials, Certain. Cleveland Varnish Company. Nos. 67,884-6; Feb. 25; Gaz. vol. 132; p. 1832.
- Painters' materials, Certain. Metropolitan Paint & Varnish Co. No. 68,173; Mar. 10; Gaz. vol. 133; p. 509.
- Painters' materials, Certain. Cleveland Varnish Company. No. 68,185; Mar. 10; Gaz. vol. 133; p. 510.
- Painters' materials, Certain. Thomson Wood Finishing Co. No. 68,484; Apr. 14; Gaz. vol. 133; p. 1673.
- Painters' materials, Certain. O. Johnson & Co. No. 69,345; June 9; Gaz. vol. 134; p. 1557.
- Painters' materials, Certain. A. J. Lucas. No. 70,703; Sept. 29; Gaz. vol. 136; p. 1063.
- Painters' materials, Certain. A. Wilhelm Co. Nos. 71,365-7; Nov. 24; Gaz. vol. 137; p. 971.
- Painters' materials, Certain. A. Wilhelm Co. No. 71,794; Dec. 15; Gaz. vol. 137; p. 1705.
- Pamphlets, leaflets, circulars, &c. J. R. Crouse. No. 69,509; June 16; Gaz. vol. 134; p. 1799.
- Pans, Bread and cake. F. M. Bower Co. No. 67,475; Feb. 4; Gaz. vol. 132; p. 1067.
- Pants, Men's and youths'. Sweet, Orr & Co. No. 71,454; Nov. 24; Gaz. vol. 137; p. 973.
- Pants, overalls, and jumpers. A. L. Pierson. No. 70,294; Aug. 18; Gaz. vol. 135; p. 1578.
- Paper. Harper Paper Company. No. 70,018; July 21; Gaz. vol. 135; p. 659.
- Paper and bristol-board. Keuffel & Esser Company. No. 68,671; Apr. 21; Gaz. vol. 133; p. 1931.
- Paper and cloth coated with adhesive material. H. Behr & Co. No. 67,283; Jan. 28; Gaz. vol. 132; p. 836.
- Paper and envelopes. Raynor & Perkins Envelope Company. No. 67,505; Feb. 4; Gaz. vol. 132; p. 1068.
- Paper and envelopes, Writing-. Carew Manufacturing Company. No. 68,545; Apr. 14; Gaz. vol. 133; p. 1675.
- Paper and envelopes, Writing-. G. B. Hurd & Co. No. 69,628; June 23; Gaz. vol. 134; p. 2025.
- Paper and envelopes, Writing-. G. B. Hurd & Co. Nos. 69,663-5; June 30; Gaz. vol. 134; p. 2239.
- Paper and envelopes, Writing-. G. B. Hurd & Co. Nos. 69,888-9; July 14; Gaz. vol. 135; p. 446.
- Paper and envelopes, Writing-. G. B. Hurd & Co. Nos. 70,019-20; July 21; Gaz. vol. 135; p. 659.
- Paper and envelopes, Writing-. G. B. Hurd & Co. No. 70,079; July 28; Gaz. vol. 135; p. 890.
- Paper and envelopes, Writing-. G. B. Hurd & Co. Nos. 70,520-1; Sept. 8; Gaz. vol. 136; p. 434.
- Paper and envelopes, Writing-. G. B. Hurd & Co. No. 70,795; Oct. 6; Gaz. vol. 136; p. 1293.
- Paper and paper articles, Certain. Dennison Manufacturing Company. No. 68,660; Apr. 21; Gaz. vol. 133; p. 1931.
- Paper and type-writer ribbons, Carbon-. Pen-Carbon Manifold Company. No. 69,241; May 26; Gaz. vol. 134; p. 1047.
- Paper articles, Certain. Dennison Manufacturing Company. No. 70,426; Sept. 1; Gaz. vol. 136; p. 221.
- Paper bags. Cleveland-Akron Bag Co. No. 66,996; Jan. 7; Gaz. vol. 132; p. 228.
- Paper bags. Union Bag & Paper Company. No. 68,079; Mar. 3; Gaz. vol. 133; p. 226.
- Paper bags. Cleveland-Akron Bag Co. No. 68,265; Mar. 17; Gaz. vol. 133; p. 758.
- Paper bags. Union Bag & Paper Company. No. 68,679; Apr. 21; Gaz. vol. 133; p. 1931.
- Paper bags. Union Bag & Paper Company. No. 69,542; June 16; Gaz. vol. 134; p. 1800.
- Paper bags. Union Bag & Paper Company. No. 71,217; Nov. 10; Gaz. vol. 137; p. 470.
- Paper bags. Eagle Paper Company. No. 71,466; Nov. 24; Gaz. vol. 137; p. 974.
- Paper, Bond and writing. Blake, Moffitt & Towne. No. 71,219; Nov. 10; Gaz. vol. 137; p. 470.
- Paper, Building-. McClintock & Irvine Co. No. 69,762; July 7; Gaz. vol. 135; p. 213.
- Paper, Blotting-. Wrenn Paper Company. No. 70,710; Sept. 29; Gaz. vol. 136; p. 1063.
- Paper, Carbon-. Rogers Manifold & Carbon Paper Co. No. 70,200; Aug. 11; Gaz. vol. 135; p. 1357.
- Paper, Carbon-. W. C. Lewis. No. 71,185; Nov. 10; Gaz. vol. 137; p. 469.
- Paper, Certain. James R. Crompton & Brothers. No. 67,054; Jan. 14; Gaz. vol. 132; p. 462.
- Paper, Certain. Germania Importing Co. No. 69,441; June 16; Gaz. vol. 134; p. 1797.
- Paper, Crap-. Dennison Manufacturing Company. No. 68,870; May 5; Gaz. vol. 134; p. 251.
- Paper, envelopes, and bristol-boards. Union Card & Paper Co. Nos. 67,656-7; Feb. 11; Gaz. vol. 131; p. 1316.
- Paper, envelopes, and blank books. J. C. Blair Company. Nos. 71,053-66; Oct. 27; Gaz. vol. 136; p. 1995.
- Paper, envelopes, and tablets, Certain. J. C. Blair Company. No. 70,316; Aug. 18; Gaz. vol. 135; p. 1579.
- Paper, envelopes, and cover-boards. Taylor-Burt Co. No. 71,322; Nov. 17; Gaz. vol. 137; p. 728.
- Paper, envelopes, tablets, and blank books. J. C. Blair Company. Nos. 71,090-103; Nov. 3; Gaz. vol. 137; p. 223.
- Paper, envelopes, tablets, and blank books. J. C. Blair Company. Nos. 71,105-25; Nov. 3; Gaz. vol. 137; pp. 223-4.
- Paper, envelopes, tablets, and blank books. J. C. Blair Company. Nos. 71,132-55; Nov. 3; Gaz. vol. 137; p. 224.
- Paper-fasteners. Tower Mfg. & Nov. Co. No. 71,079; Oct. 27; Gaz. vol. 136; p. 1997.
- Paper, Fiber building and shading. Weit & Sons Paper Co. No. 69,487; June 16; Gaz. vol. 134; p. 1798.
- Paper, Ledger, bond, and drawing. Keuffel & Esser Company. No. 68,727; Apr. 28; Gaz. vol. 133; p. 2173.
- Paper-makers' supplies. M. Gottesman & Son. No. 68,190; Mar. 10; Gaz. vol. 133; p. 510.

Alphabetical list of trade-marks—Continued.

- Paper-making material. United Railway & Trading Company. No. 69,861; July 14; Gaz. vol. 135; p. 445.
 Paper, News-print. Watab Pulp and Paper Company. No. 69,781; July 7; Gaz. vol. 135; p. 213.
 Paper packages, Toilet-. Albany Perforated Wrapping Paper Company. No. 69,091; May 19; Gaz. vol. 134; p. 773.
 Paper, Printing and writing. Graham Paper Co. Nos. 67,377-8; Jan. 28; Gaz. vol. 132; p. 839.
 Paper, Roofing-. F. W. Bird & Son. No. 67,992; Mar. 3; Gaz. vol. 133; p. 224.
 Paper, Roofing-. Chatfield Mfg. Co. No. 68,682; Apr. 21; Gaz. vol. 133; p. 1931.
 Paper, Roofing-. Chatfield Mfg. Co. No. 70,117; Aug. 4; Gaz. vol. 135; p. 1117.
 Paper, Roofing-. E. E. Smith. No. 70,377; Aug. 25; Gaz. vol. 135; p. 1798.
 Paper, Safety-. George La Monte & Son. Nos. 68,268-9; Mar. 17; Gaz. vol. 133; p. 759.
 Paper, Safety-. George La Monte & Son. No. 68,291; Mar. 24; Gaz. vol. 133; p. 987.
 Paper, Stereotype matrix and tissue. Standard Paper M'n'g Co. No. 68,278; Mar. 17; Gaz. vol. 133; p. 759.
 Paper, Surface-coated. Louis Dejonge & Co. No. 68,346; June 9; Gaz. vol. 134; p. 1557.
 Paper, tablets, and pads, and envelopes, Writing. American News Company. No. 68,717; Apr. 28; Gaz. vol. 133; p. 2173.
 Paper, tablets, pads, and envelopes. East Hartford Manufacturing Company. No. 69,338; June 5; Gaz. vol. 134; p. 1557.
 Paper, tarred and roofing felt, Building and roofing. Maurice O'Meara Company. No. 71,474; Nov. 24; Gaz. vol. 137; p. 774.
 Paper, Toilet-. Continental Paper Bag Company. Nos. 68,329-30; Mar. 31; Gaz. vol. 133; p. 1183.
 Paper, Toilet-. Scott Paper Company. No. 70,083; July 28; Gaz. vol. 135; p. 890.
 Paper, Toilet-. T. F. Sprigg. No. 70,168; Aug. 4; Gaz. vol. 135; p. 1118.
 Paper wall-covering. J. Davis. No. 69,093; May 19; Gaz. vol. 134; p. 770.
 Paper, Wrapping-. Norvell-Shapleigh Hardware Company. No. 67,838; Feb. 18; Gaz. vol. 132; p. 1583.
 Paper, Wrapping-. C. F. Hubbs. No. 69,998; July 21; Gaz. vol. 135; p. 659.
 Paper, Wrapping-. Graham Paper Company. No. 70,429; Sept. 1; Gaz. vol. 136; p. 221.
 Paper, Writing-. J. W. Butler Paper Co. Nos. 68,667-70; Apr. 21; Gaz. vol. 133; p. 1931.
 Paper, Writing-. B. D. Rising Paper Company. No. 68,719; Apr. 28; Gaz. vol. 133; p. 2173.
 Paper, Writing-. J. W. Butler Paper Co. No. 68,726; Apr. 28; Gaz. vol. 133; p. 2173.
 Paper, Writing-. J. W. Butler Paper Co. No. 68,980-1; May 12; Gaz. vol. 134; p. 510.
 Paper, Writing-. F. O. Hanson. Nos. 69,261-4; June 2; Gaz. vol. 134; p. 1293.
 Paper, Writing-. Riegel & Company. No. 70,307; Aug. 18; Gaz. vol. 135; p. 1578.
 Paper, Writing-. H. Lindenmeyr & Son. No. 70,398; Aug. 25; Gaz. vol. 135; p. 1799.
 Paper, Writing-. F. O. Hanson. No. 71,852; Dec. 15; Gaz. vol. 137; p. 1707.
 Paper, Writing and printing. L. L. Brown Paper Company. No. 70,305; Aug. 18; Gaz. vol. 135; p. 1578.
 Papers and magazines, Story-. Perry Mason Company. No. 67,102; Jan. 14; Gaz. vol. 132; p. 463.
 Parasols and umbrellas. Cravenette Company. No. 69,476; June 16; Gaz. vol. 134; p. 1798.
 Paste. Sanford Manufacturing Co. No. 70,802; Oct. 6; Gaz. vol. 136; p. 1293.
 Paste for destroying rats, mice, and roaches. A. W. Roseman. No. 67,877; Feb. 25; Gaz. vol. 132; p. 1831.
 Patterns for garments and wearing-apparel. Morse Broughton Company. No. 68,362; Mar. 31; Gaz. vol. 133; p. 1184.
 Peanuts. Barnhart Mercantile Co. No. 69,697; June 30; Gaz. vol. 134; p. 2240.
 Peanuts and peanut-butter. Squirrel Brand Company. No. 70,760; Sept. 29; Gaz. vol. 136; p. 1064.
 Pen and pencil or lead holder, Combined. F. R. Wells. No. 71,461; Nov. 24; Gaz. vol. 137; p. 974.
 Pen and pencil safety-clips, Fountain-. L. E. Waterman Company. No. 71,855; Dec. 15; Gaz. vol. 137; p. 1707.
 Pen, pencil, and paper clips. W. F. Oakley. No. 70,436; Sept. 1; Gaz. vol. 136; p. 221.
 Pens and paper. B. Gisevius. No. 70,974; Oct. 20; Gaz. vol. 136; p. 1764.
 Pens and pencils, Fountain-. L. E. Waterman Company. No. 69,612; June 23; Gaz. vol. 134; p. 2024.
 Pens, Fountain-. Mabie, Todd & Co. No. 71,236; Nov. 10; Gaz. vol. 137; p. 470.
 Pens, Fountain-. Mabie, Todd & Co. No. 71,446; Nov. 24; Gaz. vol. 137; p. 973.
 Pens, Fountain-. Parker Pen Company. No. 71,551; Dec. 1; Gaz. vol. 137; p. 1232.
 Pens, Fountain and stylographic. Eagle Pencil Company. No. 71,046; Oct. 27; Gaz. vol. 136; p. 1996.
 Pens, Stylographic. L. C. Witkowski. No. 68,283; Mar. 17; Gaz. vol. 133; p. 759.
 Pens, Stylographic. J. W. Laughlin. No. 69,444; June 16; Gaz. vol. 134; p. 1797.
 Pens, Stylographic and fountain. J. Blair. No. 71,543; Dec. 1; Gaz. vol. 137; p. 1232.
 Pencil eraser-holders, Lead-. American Lead Pencil Co. No. 66,976; Jan. 7; Gaz. vol. 132; p. 227.
 Pencil-sharpening devices. F. E. V. Baines. No. 70,782; Oct. 6; Gaz. vol. 136; p. 1293.
 Pencil-sharpening machines. F. E. V. Baines. No. 67,005; Jan. 14; Gaz. vol. 132; p. 461.
 Pencils and erasing-rubber. Bleistiftfabrik vormals Joham Faber, Actien-Gesellschaft. No. 67,088-9; Jan. 14; Gaz. vol. 132; p. 463.
 Pencils and oil-chalk crayons, Lead-. Johann Froescheis Lyra-Bleistiftfabrik. No. 68,067; Mar. 3; Gaz. vol. 133; p. 226.
 Pencils and penholders, Safety-holders for. L. E. Waterman Company. No. 69,667; June 30; Gaz. vol. 134; p. 2239.
 Pencils, Automatic lead-. E. Moster & Co. No. 70,661; Sept. 22; Gaz. vol. 136; p. 843.
 Pencils, Certain. Bleistiftfabrik vormals Johann Faber, Actien-Gesellschaft. No. 67,090; Jan. 14; Gaz. vol. 132; p. 463.
 Pencils, Lead-. Eagle Pencil Company. No. 69,248; June 2; Gaz. vol. 134; p. 1293.
 Pencils, Lead-. Eagle Pencil Company. No. 69,625; June 23; Gaz. vol. 134; p. 2025.
 Pencils, Lead-. Eagle Pencil Company. No. 70,598; Sept. 15; Gaz. vol. 136; p. 654.
 Pencils, Lead-. Styles & Cash. Nos. 70,677-8; Sept. 22; Gaz. vol. 136; p. 844.
 Pencils, Lead-. Eagle Pencil Company. Nos. 71,047-8; Oct. 27; Gaz. vol. 136; p. 1996.
 Pencils, Lead-. Eagle Pencil Company. No. 71,223; Nov. 10; Gaz. vol. 137; p. 470.
 Pencils, Lead and colored. A. W. Faber. No. 68,061; Mar. 3; Gaz. vol. 133; p. 225.
 Pencils, Lead and colored. A. W. Faber. No. 68,723; Apr. 28; Gaz. vol. 133; p. 2173.
 Pencils, Lead and colored. A. W. Faber. Nos. 69,249-50; June 2; Gaz. vol. 134; p. 1293.
 Pencils, Lead and colored. E. Faber. No. 71,436; Nov. 24; Gaz. vol. 137; p. 773.
 Pencils, paper, pens, and files. I. Upham Company. No. 70,405; Aug. 25; Gaz. vol. 135; p. 1799.
 Pencils, penholders, rubber erasers, and pencil-holders. Bleistiftfabrik vormals Johann Faber Actien Gesellschaft. No. 71,572; Dec. 1; Gaz. vol. 137; p. 1233.
 Penholders and paper-weights. Geo. Borgfeldt & Co. No. 67,831; Feb. 18; Gaz. vol. 132; p. 1582.
 Peppermint tablets. Els. Conserven-Fabrik & Import-Gesellschaft. Nos. 71,892-4; Dec. 22; Gaz. vol. 137; p. 1933.
 Peppers, artichokes, and dry mushrooms. P. Pastene & Co. No. 67,057; Jan. 14; Gaz. vol. 132; p. 462.
 Perfume extracts. A. A. Vantine & Co. No. 70,384; Aug. 25; Gaz. vol. 135; p. 1798.
 Perfume extracts. A. A. Vantine & Co. No. 70,516; Sept. 8; Gaz. vol. 136; p. 434.
 Perfume extracts and toilet waters. A. A. Vantine & Co. Nos. 70,252-3; Aug. 18; Gaz. vol. 135; p. 1577.
 Perfume extracts and toilet waters. A. A. Vantine & Co. No. 70,381; Aug. 25; Gaz. vol. 135; p. 1798.
 Perfume extracts and toilet waters. A. A. Vantine & Co. No. 70,515; Sept. 8; Gaz. vol. 136; p. 434.
 Perfumes. Frederick Stearns & Co. No. 67,413; Feb. 4; Gaz. vol. 132; p. 1065.
 Perfumes. Foote and Jenks. No. 67,969; Mar. 3; Gaz. vol. 133; p. 223.
 Perfumes. Sterling Supply Co. No. 70,453; Sept. 1; Gaz. vol. 136; p. 222.
 Perfumes. Alfred H. Smith Co. Nos. 70,592-3; Sept. 15; Gaz. vol. 136; p. 654.
 Perfumes and face-powders. A. Francis & Co. No. 70,221; Aug. 11; Gaz. vol. 135; p. 1358.
 Perfumes and perfume extracts. A. A. Vantine & Co. No. 70,517; Sept. 8; Gaz. vol. 136; p. 434.
 Perfumes and perfumed toilet powders. E. Palmer. Nos. 68,912-13; May 5; Gaz. vol. 134; p. 252.
 Perfumes and perfumed toilet powders. E. Palmer. Nos. 68,956-8; May 12; Gaz. vol. 134; p. 509.
 Perfumes and perfumed toilet powders. E. Palmer. No. 69,217; May 26; Gaz. vol. 134; p. 1046.
 Perfumes and toilet creams. Schieffelin & Co. No. 69,899; July 14; Gaz. vol. 135; p. 446.
 Perfumes, perfume extracts, and toilet waters. A. A. Vantine & Co. No. 70,383; Aug. 25; Gaz. vol. 135; p. 1798.
 Perfumes, Toilet. Soc'ta. Prodti. Chimico. Farmacci. A. Bertilli & C. No. 69,269; June 2; Gaz. vol. 134; p. 1293.
 Perfumes, toilet waters, sachet and toilet powders. C. B. Woodworth Sons Co. No. 70,596; Sept. 15; Gaz. vol. 136; p. 654.
 Perfumery and face-tints. E. Wertheimer & Cie. Nos. 69,142-3; May 19; Gaz. vol. 134; p. 772.
 Perfumery, face powders and tints. E. Wertheimer & Cie. No. 69,141; May 19; Gaz. vol. 134; p. 772.
 Perfumery, face powders and tints. E. Wertheimer & Cie. No. 69,145; May 19; Gaz. vol. 134; p. 772.
 Perfumery, face powders and tints. E. Wertheimer & Cie. No. 69,163; May 19; Gaz. vol. 134; p. 772.
 Periodical. Jewelers Circular Pub. Co. No. 67,435; Feb. 4; Gaz. vol. 132; p. 1066.
 Periodical. Railroad Gazette. No. 70,941; Oct. 20; Gaz. vol. 136; p. 1763.
 Periodical, Annual. Class Journal Co. No. 67,826; Feb. 18; Gaz. vol. 132; p. 1582.
 Periodical, Monthly. J. C. Hagan. No. 68,830; Apr. 28; Gaz. vol. 133; p. 2176.
 Periodical, Weekly. T. C. Wood & Co. No. 70,805; Oct. 6; Gaz. vol. 136; p. 1293.
 Periodicals. La Hacienda Company. No. 69,099; May 19; Gaz. vol. 134; p. 770.
 Periodicals. Home and Farm Publishing Co. No. 71,868; Dec. 15; Gaz. vol. 137; p. 1707.

- Perspiration-absorbent. A. H. Hipple. No. 71,444; Nov. 24; Gaz. vol. 137; p. 973.
- Petroleum, Refined. J. W. Hunnewell & Co. No. 69,333; June 9; Gaz. vol. 134; p. 1557.
- Petroleum, Refined. Standard Oil Co. of New York. Nos. 69,674-6; June 30; Gaz. vol. 134; p. 2239.
- Petroleum, Refined. Standard Oil Co. of New York. No. 71,320; Nov. 17; Gaz. vol. 137; p. 728.
- Petroleum, Refined. Standard Oil Co. of New York. No. 71,563; Dec. 1; Gaz. vol. 137; p. 1233.
- Petticoats. W. Epstein and Brother. No. 71,182; Nov. 10; Gaz. vol. 137; p. 469.
- Petticoats. Edwards Manufacturing Company. No. 71,224; Nov. 10; Gaz. vol. 137; p. 470.
- Petticoats and underskirts. James H. Dunham & Co. No. 70,289; Aug. 18; Gaz. vol. 135; p. 1578.
- Pharmaceutical preparation, Certain. Farbwerke vorm. Meister Lucius & Brüning. No. 69,208; May 26; Gaz. vol. 134; p. 1046.
- Pharmaceutical preparation for the skin. Vi-Dermis Co. No. 66,910; Jan. 7; Gaz. vol. 132; p. 225.
- Photographs, phonograph-horns, &c. National Phonograph Company. No. 69,914; July 14; Gaz. vol. 135; p. 447.
- Photographic cameras and tripods. Eastman Kodak Co. Nos. 71,918-19; Dec. 22; Gaz. vol. 137; p. 1934.
- Photographic developers and accelerators. H. S. Wellcome. No. 71,460; Nov. 24; Gaz. vol. 137; p. 974.
- Photographic developing substance. Chemische Fabrik auf Actien (vorm F. Schering.) Nos. 67,287-8; Jan. 28; Gaz. vol. 132; p. 836.
- Photographic instruments and supplies, Certain. Eastman Kodak Co. No. 68,635; Apr. 21; Gaz. vol. 133; p. 1930.
- Photographic paper. Eastman Kodak Co. No. 71,917; Dec. 22; Gaz. vol. 137; p. 1934.
- Photographic paper. Eastman Kodak Co. No. 71,920; Dec. 22; Gaz. vol. 137; p. 1934.
- Photographic plates, films, and paper, Sensitized. Self-Developing Plate Company. No. 70,027; July 21; Gaz. vol. 135; p. 659.
- Photographic plates, paper, and films. Imperial Dry Plate Company. No. 67,140; Jan. 21; Gaz. vol. 132; p. 673.
- Photographic prints of plans, specifications, and surveys. J. W. Heritage. No. 67,764; Feb. 18; Gaz. vol. 132; p. 1581.
- Photographic supplies. Eastman Kodak Co. No. 67,137; Jan. 21; Gaz. vol. 132; p. 673.
- Photographic supplies, Certain. Eastman Kodak Co. No. 67,012; Jan. 14; Gaz. vol. 132; p. 461.
- Piano and furniture polish. H. S. Brown. No. 69,923; July 21; Gaz. vol. 135; p. 657.
- Piano-players, Automatic. Autopian Company. No. 69,922; July 21; Gaz. vol. 135; p. 657.
- Pianos. Palmer Piano Company. No. 68,526; Apr. 14; Gaz. vol. 133; p. 1674.
- Pianos. Palmer Piano Company. No. 69,000; May 12; Gaz. vol. 134; p. 510.
- Pianos. Kohler & Campbell. No. 69,228; May 26; Gaz. vol. 134; p. 1046.
- Pianos. Estey Piano Company. No. 70,656; Sept. 22; Gaz. vol. 136; p. 843.
- Pianos. Krell Auto Piano Co. of America. No. 70,832; Oct. 6; Gaz. vol. 136; p. 1294.
- Pianos and organs. Weaver Organ & Piano Co. No. 71,694; Dec. 8; Gaz. vol. 137; p. 1479.
- Pianos and piano-actions. Lauter Co. No. 68,519; Apr. 14; Gaz. vol. 133; p. 1674.
- Pianos and pianos with interior players. Jacob Doll & Sons. No. 70,137; Aug. 4; Gaz. vol. 135; p. 1117.
- Pianos and player-pianos. George Steck & Co. No. 69,094; May 19; Gaz. vol. 134; p. 770.
- Pianos and player-pianos. Lauter Co. No. 72,068; Dec. 29; Gaz. vol. 137; p. 2215.
- Pianos, guitars, and mandolins. A. Wooley. No. 67,642; Feb. 11; Gaz. vol. 132; p. 1315.
- Pianos, Interior player-. G. P. Bent. No. 69,644; June 23; Gaz. vol. 134; p. 2025.
- Pickles. Maconochie Bros. No. 69,026; May 12; Gaz. vol. 134; p. 511.
- Pickles. E. E. Kidd. No. 70,739; Aug. 25; Gaz. vol. 135; p. 1798.
- Pickles, catsup, and vinegar. Donaldson-Shultz Co. No. 67,178; Jan. 21; Gaz. vol. 132; p. 674.
- Picks, grub-hoes, trowels, shovels, and spades. Norvell-Shapleigh Hardware Company. No. 68,013; Mar. 3; Gaz. vol. 133; p. 224.
- Picture-frame machines, vises, and miter-boxes. H. C. Marsh. No. 68,395; Apr. 7; Gaz. vol. 133; p. 1429.
- Picture machines, films, and attachments, Moving-. Viascope Mfg. Co. No. 67,961; Feb. 25; Gaz. vol. 132; p. 1834.
- Piece goods, Certain. Wendt Brothers. No. 69,325; June 2; Gaz. vol. 134; p. 1295.
- Piece goods, Certain. J. Lonke. No. 69,891; July 14; Gaz. vol. 135; p. 446.
- Piece goods, Certain. G. Lund. No. 70,108; July 28; Gaz. vol. 135; p. 891.
- Piece goods, Certain. J. Lonke. No. 70,416; Aug. 25; Gaz. vol. 135; p. 1799.
- Piece goods, Certain. Barnaby Manufacturing Co. No. 71,083; Oct. 27; Gaz. vol. 136; p. 1997.
- Piece goods, Certain. J. Lonke. No. 72,004; Dec. 29; Gaz. vol. 137; p. 2213.
- Pies and cakes. Watson & MacDonald. No. 67,573; Feb. 11; Gaz. vol. 132; p. 1314.
- Pigments mixed in oils. N. Z. Graves Company. No. 70,318; Aug. 18; Gaz. vol. 135; p. 1579.
- Pills. E. Viertel. No. 67,347; Jan. 28; Gaz. vol. 132; p. 838.
- Pills. D. Mortimer. No. 69,385; June 9; Gaz. vol. 134; p. 1558.
- Pills. Barclay & Barclay. No. 69,488; June 16; Gaz. vol. 134; p. 1798.
- Pills. R. N. Bates. No. 69,724; June 30; Gaz. vol. 134; p. 2241.
- Pills. Alcock Manufacturing Co. No. 70,408; Aug. 25; Gaz. vol. 135; p. 1799.
- Pills and plasters. H. M. Graves. No. 69,584; June 23; Gaz. vol. 134; p. 2024.
- Pills, Cathartic. Foster-McClellan Company. No. 68,743; Apr. 28; Gaz. vol. 133; p. 2174.
- Pills, Cathartic. Blackburn Products Company. No. 70,621; Sept. 15; Gaz. vol. 136; p. 655.
- Pills, Dyspepsia-. Dr. J. A. Deane Company. No. 69,881; July 14; Gaz. vol. 135; p. 446.
- Pills, Laxative. Mother Seigel's Syrup Co. No. 71,449; Nov. 24; Gaz. vol. 137; p. 973.
- Pins, Hat-. Caste Braid Company. No. 68,817; Apr. 28; Gaz. vol. 133; p. 2176.
- Pins, Hat-. Otomobil Hat Pin Company. No. 69,921; July 14; Gaz. vol. 135; p. 447.
- Pins, Safety-. Plume & Atwood Mfg. Co. Nos. 68,851-2; Apr. 28; Gaz. vol. 133; p. 2177.
- Pinus canadensis. Rio Chemical Co. No. 70,269; Aug. 18; Gaz. vol. 135; p. 1577.
- Pinus canadensis, White. Rio Chemical Co. No. 70,270; Aug. 18; Gaz. vol. 135; p. 1577.
- Pipe and boiler covering. H. W. Johns-Manville Company. No. 71,592; Dec. 1; Gaz. vol. 137; p. 1233.
- Pipe-cleaning preparation, Chemical. Maxim Chemical Company. No. 69,384; June 9; Gaz. vol. 134; p. 1558.
- Pipe stocks and dies. Ashcroft Manufacturing Company. No. 69,055; May 19; Gaz. vol. 134; p. 769.
- Pipes. Dusel, Goodloe & Co. No. 68,332; Mar. 31; Gaz. vol. 133; p. 1183.
- Pipes. Reiss Bros. & Co. No. 69,712; June 30; Gaz. vol. 134; p. 2240.
- Pipes and fittings for the same, Cast-metal soil-. Abendroth Brothers. Nos. 68,965-7; May 12; Gaz. vol. 134; p. 509.
- Pipes, Corncob. Phoenix-American Pipe Works. No. 67,534; Feb. 4; Gaz. vol. 132; p. 1069.
- Pipes, Tobacco-. Peach Pipe Company. No. 70,707; Sept. 29; Gaz. vol. 136; p. 1063.
- Pipes, Wooden. J. Desjardins. No. 70,365; Aug. 25; Gaz. vol. 135; p. 1798.
- Planers, Open-side. Detrick & Harvey Machine Co. of Baltimore City. No. 67,223; Jan. 21; Gaz. vol. 132; p. 675.
- Planters, attachments therefor, &c., Potato-. Potato Implement Co. No. 68,931; May 5; Gaz. vol. 134; p. 253.
- Plaster and lime, Certain. Ohio Builders' Supply Company. No. 68,499; Apr. 14; Gaz. vol. 133; p. 1673.
- Plaster-board. J. B. King & Co. No. 70,575; Sept. 15; Gaz. vol. 135; p. 654.
- Plaster, Wall-. Empire Gypsum Company. Nos. 67,230-2; Jan. 28; Gaz. vol. 132; p. 835.
- Plasters, Adhesive. Magic Foot Draft Co. No. 70,109; July 28; Gaz. vol. 135; p. 891.
- Plastic composition, Synthetically-prepared. Protal Company. No. 69,858; July 14; Gaz. vol. 135; p. 445.
- Plastic compound, Certain. G. E. Walter Company. No. 70,757; Sept. 29; Gaz. vol. 136; p. 1064.
- Plastic preparation, Certain. Knowlton Danderine Co. No. 69,135; May 19; Gaz. vol. 134; p. 771.
- Pliers, pincers, wrenches, and putty-knives. Norvell-Shapleigh Hardware Company. No. 68,012; Mar. 3; Gaz. vol. 133; p. 224.
- Plows and parts of same. Chattanooga Plow Co. No. 69,742; June 30; Gaz. vol. 134; p. 2241.
- Plows and parts thereof. Collins Company. No. 70,130; Aug. 4; Gaz. vol. 135; p. 1117.
- Plows and parts thereof. Syracuse Chilled Plow Co. Nos. 71,075-6; Oct. 27; Gaz. vol. 136; p. 1997.
- Plum-pudding. Atmore & Son. No. 67,148; Jan. 21; Gaz. vol. 132; p. 673.
- Plumbers' tools and appliances. Wolverine Brass Works. No. 69,072; May 19; Gaz. vol. 134; p. 770.
- Plumbers' supplies, Certain. L. Wolff Mfg. Co. No. 63,497; Apr. 14; Gaz. vol. 133; p. 1673.
- Plumbing and steam-fitting supplies, Certain. Ashcroft Manufacturing Company. No. 68,379; Apr. 7; Gaz. vol. 133; p. 1429.
- Plumbing supplies, Certain. L. Wolff Mfg. Co. No. 67,785; Feb. 18; Gaz. vol. 132; p. 1581.
- Plumbing supplies, Certain. C. A. James. No. 68,982; May 12; Gaz. vol. 134; p. 510.
- Plumbing supplies, Certain. Standard Sanitary Mfg. Co. No. 69,697; May 19; Gaz. vol. 134; p. 770.
- Plumbing supplies, Certain. Wolverine Brass Works. Nos. 69,312-13; June 2; Gaz. vol. 134; p. 1294.
- Plumbing supplies, Certain. Ahrens & Ott Mfg. Co. No. 69,657; June 30; Gaz. vol. 134; p. 2239.
- Plumbing supplies, Certain. J. F. Grosswiller. No. 70,017; July 21; Gaz. vol. 135; p. 659.
- Plumbing supplies, Certain. Best Manufacturing Company. No. 71,797; Dec. 15; Gaz. vol. 137; p. 1705.
- Pocket-books and purses, Leather. Scheuer & Brother. No. 67,520; Feb. 4; Gaz. vol. 132; p. 1068.
- Poison for rats, mice, &c. E. S. Wells. No. 70,030; July 21; Gaz. vol. 135; p. 659.
- Poisons and disinfectants, Certain. E. S. Wells. No. 67,216; Jan. 21; Gaz. vol. 132; p. 675.
- Poisonous ant-paper. J. Stumpf. No. 70,529; Sept. 8; Gaz. vol. 136; p. 434.
- Poker-chips. Simon Hard Rubber Corporation. No. 70,227; Aug. 11; Gaz. vol. 135; p. 1358.

Alphabetical list of trade-marks—Continued.

- Polish and cleaning material, Certain. E. Grading. No. 69,424; June 16; Gaz. vol. 134; p. 1797.
 Polish for certain articles. H. C. Watt. No. 72,018; Dec. 29; Gaz. vol. 137; p. 2214.
 Polish for pianos, furniture, and floors. P. Levi. No. 68,803; Apr. 28; Gaz. vol. 133; p. 2175.
 Polish for varnished surfaces. Banana Polish Co. No. 71,872; Dec. 22; Gaz. vol. 137; p. 1933.
 Polishes, Finger-nail. H. Straus. No. 71,722; Dec. 15; Gaz. vol. 137; p. 1703.
 Polishing chamouis-skin. C. H. Keith. No. 68,596; Apr. 21; Gaz. vol. 133; p. 1929.
 Polishing fluid for linoleum, furniture, and tan leather. C. J. Badham. No. 70,501; Sept. 8; Gaz. vol. 136; p. 433.
 Polishing-wheels and sections thereof. Zucker & Levett & Loeb Company. No. 69,580; June 23; Gaz. vol. 134; p. 2024.
 Pomade. R. A. Oleshak. No. 69,396; June 9; Gaz. vol. 134; p. 1559.
 Pompadour-rolls. Austin-Walker Company. No. 69,976; July 21; Gaz. vol. 135; p. 658.
 Popcorn, cereal breakfast foods, and hominy. U. S. Horse Radish Co. No. 71,537; Dec. 1; Gaz. vol. 137; p. 1232.
 Popcorn, popcorn confections, and candy. Eaton & Hobbs. No. 68,438; Apr. 7; Gaz. vol. 133; p. 1430.
 Porcelain crockery and earthenware. C. G. Schierholz & Sohn, Porzellan-Manufaktur Plauke, G. m. b. H. No. 72,022; Dec. 29; Gaz. vol. 137; p. 2214.
 Pork and beans. Joseph Campbell Company. No. 69,788; July 7; Gaz. vol. 135; p. 213.
 Porter. C. Kern Brewing Co. No. 68,058; Mar. 3; Gaz. vol. 133; p. 225.
 Post and congratulatory cards. E. A. Schwerdtfeger & Co. No. 69,673; June 30; Gaz. vol. 134; p. 2239.
 Post-cards. I. Neuburg. No. 69,670; June 30; Gaz. vol. 134; p. 2239.
 Post-hole diggers. Henry Disston & Sons. No. 70,859; Oct. 13; Gaz. vol. 136; p. 1527.
 Postal cards, Souvenir. T. Liebman & Sons. No. 69,183; May 26; Gaz. vol. 134; p. 1045.
 Potato-chips, Cooked. C. A. Hunter. No. 70,333; Aug. 25; Gaz. vol. 135; p. 1797.
 Potato-diggers. A. B. Farquhar Company. No. 67,218; Jan. 21; Gaz. vol. 132; p. 675.
 Potato-diggers. A. B. Farquhar Company. No. 68,081; Mar. 10; Gaz. vol. 133; p. 507.
 Potato-meal. E. Klein Supply Company. No. 69,843; July 14; Gaz. vol. 135; p. 445.
 Poultry and eggs. W. H. Miner. No. 68,693; Apr. 21; Gaz. vol. 133; p. 1932.
 Poultry fountains, cups, and feeders. L. Bischoff. No. 69,726; June 30; Gaz. vol. 134; p. 2241.
 Poultry-markers. T. Cadwallader. No. 71,010; Oct. 27; Gaz. vol. 136; p. 1995.
 Powder and face-bleach, Talcum and tooth. M. L. Babcock. No. 70,933; Oct. 20; Gaz. vol. 136; p. 1763.
 Powder and remedies for corns. Foot-. W. K. Peek. No. 68,296; Mar. 24; Gaz. vol. 133; p. 987.
 Powder, Antiseptic. Red Cross Powder Company. No. 69,159; May 19; Gaz. vol. 134; p. 772.
 Powder, Antiseptic hygienic. J. D. De Witt. No. 69,260; June 2; Gaz. vol. 134; p. 1293.
 Powder, Borated talcum. G. F. Smith. No. 71,615; Dec. 8; Gaz. vol. 137; p. 1477.
 Powder, Certain. A. Karl. No. 69,927; July 21; Gaz. vol. 135; p. 657.
 Powder, Explosive. Hazard Powder Company. No. 67,233; Jan. 28; Gaz. vol. 132; p. 835.
 Powder, Foot-. Lake Chemical Company. No. 69,947; July 21; Gaz. vol. 135; p. 657.
 Powder for destroying rose-bugs. J. C. Clark. No. 70,936; Oct. 20; Gaz. vol. 136; p. 1763.
 Powder for softening water and cleansing. James Pyle & Sons. No. 70,940; Oct. 20; Gaz. vol. 136; p. 1763.
 Powder for the nails, Toilet. L. Spiro. No. 69,386; June 9; Gaz. vol. 134; p. 1558.
 Powder, Gun-. Lafin & Rand Powder Company. No. 69,372; June 9; Gaz. vol. 134; p. 1558.
 Powder, Gun-. E. I. du Pont de Nemours Powder Company. No. 69,479; June 16; Gaz. vol. 134; p. 1798.
 Powder, Gun-. Hazard Powder Company. No. 69,868; July 14; Gaz. vol. 135; p. 445.
 Powder, Insect-. J. L. Hopkins & Company. No. 68,518; Apr. 14; Gaz. vol. 133; p. 1674.
 Powder, paste, and wash. Tooth. W. K. Peek. No. 67,339; Jan. 28; Gaz. vol. 132; p. 838.
 Powder, Stomachic. P. F. W. Barella. No. 67,890; Feb. 25; Gaz. vol. 132; p. 1832.
 Powder, Sweeping-. G. W. Green. No. 70,396; Aug. 25; Gaz. vol. 135; p. 1799.
 Powder, Talcum. Talcum Puff Company. No. 67,368; Jan. 28; Gaz. vol. 132; p. 838.
 Powder, Talcum. R. Hudnut's Pharmacy. No. 71,716; Dec. 15; Gaz. vol. 137; p. 1703.
 Powder, Toilet. Gerhard Mennen Chemical Co. No. 68,574; Apr. 14; Gaz. vol. 133; p. 1675.
 Powder, Toilet. E. Wertheimer & Cie. No. 69,144; May 19; Gaz. vol. 134; p. 772.
 Powder, Toilet. Henry B. Gilpin Company. No. 71,710; Dec. 15; Gaz. vol. 137; p. 1703.
 Powder, toilet cream, and rouge, Face-. Willard White Company. No. 68,355; Mar. 31; Gaz. vol. 133; p. 1184.
 Powder, Tooth-. C. E. Duck. No. 67,353; Jan. 28; Gaz. vol. 132; p. 838.
 Powder, Tooth-. T. C. Delavan. No. 68,536; Apr. 14; Gaz. vol. 133; p. 1674.
 Powder, Tooth-. S. Hirao. No. 70,223; Aug. 11; Gaz. vol. 135; p. 1358.
 Powder, Tooth-. A. A. Vantine & Co. No. 70,254; Aug. 18; Gaz. vol. 135; p. 1577.
 Powder, Tooth-. Sharp & Dohme. No. 70,717; Sept. 29; Gaz. vol. 136; p. 1063.
 Powders and pastes, Tooth. L. P. V. Rhein. No. 69,160; May 19; Gaz. vol. 134; p. 772.
 Powders, bitters, liniment, &c. J. H. Snyder Med. Co. No. 67,974; Mar. 3; Gaz. vol. 133; p. 223.
 Powders, Foot-. J. H. Wurthmann. No. 70,849; Oct. 13; Gaz. vol. 136; p. 1527.
 Powders for cleaning the hands. J. R. Ford. No. 70,033; July 28; Gaz. vol. 135; p. 889.
 Powders, Headache-. W. L. Kuchynski. No. 70,602; Sept. 15; Gaz. vol. 136; p. 654.
 Powders, Teething-. C. J. Moffett. No. 68,118; Mar. 10; Gaz. vol. 133; p. 508.
 Pralines, Maple. G. K. Brown. No. 71,888; Dec. 22; Gaz. vol. 137; p. 1933.
 Precious-metal and plated ware, Certain. Acker, Merrill & Condit Company. No. 70,456; Sept. 1; Gaz. vol. 136; p. 222.
 Precious-metal ware, Certain. Orivit Actiengesellschaft. Nos. 68,820-1; Apr. 28; Gaz. vol. 133; p. 2176.
 Precious-metal ware, Certain. Savard & Fils. No. 69,114; May 19; Gaz. vol. 134; p. 771.
 Preparation for certain diseases. T. M. Sayman. No. 70,818; Oct. 6; Gaz. vol. 136; p. 1294.
 Preparation of geyser mud. Arizona Wonderine Co. No. 67,411; Feb. 4; Gaz. vol. 132; p. 1065.
 Preservatives and disinfectants. Atlas Preservative Company. No. 69,722; June 30; Gaz. vol. 134; p. 2240.
 Preserves and jellies. Pacific Coast Syrup Co. No. 70,524; Sept. 8; Gaz. vol. 136; p. 434.
 Press-board. E. W. Murphey & Company. No. 69,634; June 23; Gaz. vol. 134; p. 2025.
 Press-boards. Case Brothers. No. 67,904; Feb. 25; Gaz. vol. 132; p. 1832.
 Pretzels. Pfenniger Pretzel & Baking Company. No. 69,565; June 23; Gaz. vol. 134; p. 2023.
 Printers' blankets. Standard Rubber Manufacturing and Supply Company. No. 70,309; Aug. 18; Gaz. vol. 135; p. 1578.
 Printers' quoins. H. A. Hempel. No. 70,222; Aug. 11; Gaz. vol. 135; p. 1358.
 Printing and embossing. Hartnett Vulcograph Company. No. 71,812; Dec. 15; Gaz. vol. 137; p. 1706.
 Printing and wrapping or uncalendered paper. Blake McFall Company. No. 71,677; Dec. 8; Gaz. vol. 137; p. 1479.
 Printing-machines. Addressograph Company. No. 70,013; July 21; Gaz. vol. 135; p. 659.
 Printing-machines and parts thereof. International Multigraph Company. No. 69,813; July 7; Gaz. vol. 135; p. 214.
 Printing-plates, Machinery for finishing stereotype. Campbell Printing Press & Manufacturing Company. No. 69,799; July 7; Gaz. vol. 135; p. 214.
 Prints, Certain. E. G. Soltmann. No. 71,414; Nov. 24; Gaz. vol. 137; p. 972.
 Propellers, Boat-. McFarland Foundry & Machine Co. No. 69,278; June 2; Gaz. vol. 134; p. 1293.
 Prophylactic products derived from milk. A. V. Poehl. No. 70,151; Aug. 4; Gaz. vol. 135; p. 1118.
 Prophylactic products derived from milk. A. V. Poehl. No. 70,267; Aug. 18; Gaz. vol. 135; p. 1577.
 Publication, Monthly. S. S. McClure Company. No. 67,196; Jan. 21; Gaz. vol. 132; p. 674.
 Publications, Certain. H. B. Darling. No. 67,176; Jan. 21; Gaz. vol. 132; p. 674.
 Publications, Monthly. E. Hubbard. No. 67,477; Feb. 4; Gaz. vol. 132; p. 1067.
 Pudding preparations. W. Ruegg. No. 67,273; Jan. 28; Gaz. vol. 132; p. 836.
 Pulleys, Clutch-. H. Druschel. No. 70,597; Sept. 15; Gaz. vol. 136; p. 654.
 Pulleys, pumps, &c. Ashcroft Manufacturing Company. No. 69,056; May 19; Gaz. vol. 134; p. 769.
 Pulleys, Sash-. American Pulley Company. Nos. 69,434-5; June 16; Gaz. vol. 134; p. 1797.
 Pumping machinery, Steam-. Dean Brothers Steam Pump Works. No. 69,991; July 21; Gaz. vol. 135; p. 658.
 Pumps. F. A. Grunow. No. 70,076; July 28; Gaz. vol. 135; p. 890.
 Pumps and pumping machinery. American Steam Pump Company. No. 69,797; July 7; Gaz. vol. 135; p. 214.
 Pumps, Lubricator-. Phenix Lubricator Company. No. 71,397; Nov. 24; Gaz. vol. 137; p. 972.
 Pumps, Well and cistern. Hess-Snyder Co. No. 70,078; July 28; Gaz. vol. 135; p. 890.
 Punch, Alcoholic. Strohmeyer & Arpe Company. No. 69,472; June 16; Gaz. vol. 134; p. 1798.
 Punch, Alcoholic. Luyties Brothers. No. 70,053; July 28; Gaz. vol. 135; p. 889.
 Purgative elixir, Compound. Hanrahan Pharmacal Co. No. 69,809; July 7; Gaz. vol. 135; p. 214.
 Purgatives. Knoll & Co. No. 70,640; Sept. 22; Gaz. vol. 136; p. 843.
 Purses, pocket-books, and hand-bags. G. Bradt. No. 69,400; June 9; Gaz. vol. 134; p. 1559.
 Puzzles. W. A. Bickings. No. 71,042; Oct. 27; Gaz. vol. 136; p. 1996.

Alphabetical list of trade-marks—Continued.

- Puzzles, Mechanical block. T. Scrutehin. No. 70,154; Aug. 4; Gaz. vol. 135; p. 1118.
 Pyrographic pencil. Flemish Art Company. No. 71,697; Dec. 8; Gaz. vol. 137; p. 1479.
 Pyrographical instruments and appliances therefor. H. Holton. No. 68,440; Apr. 7; Gaz. vol. 133; p. 1430.
 Radiator air-valves. Pierce, Butler & Pierce Manufacturing Co. No. 69,948; July 21; Gaz. vol. 135; p. 657.
 Radiators. Holland Radiator Company. No. 68,065; Mar. 3; Gaz. vol. 133; p. 225.
 Radiators, Sheet-metal. Pressed Radiator Company. No. 69,834; July 7; Gaz. vol. 135; p. 215.
 Rag rugs and rag carpets. E. C. Beetem & Son. Nos. 71,277-8; Nov. 17; Gaz. vol. 137; p. 727.
 Railway signal and switch apparatus. W. R. Sykes Interlocking Signal Company. No. 68,129; Mar. 10; Gaz. vol. 133; p. 508.
 Railway supplies, Certain. Railway Steel Spring Company. No. 68,223; Mar. 17; Gaz. vol. 133; p. 757.
 Railways and rolling-stock for the same, Pleasure-. W. F. Mangels Company. No. 68,848; Apr. 28; Gaz. vol. 133; p. 2177.
 Railways and rolling-stock for the same, Pleasure-. S. E. Jackman. Nos. 69,609-11; June 23; Gaz. vol. 134; p. 2024.
 Raisins. Paddock & Fowler Company. No. 67,056; Jan. 14; Gaz. vol. 132; p. 462.
 Raisins. Rosenberg Bros. & Co. No. 70,295; Aug. 18; Gaz. vol. 135; p. 1578.
 Raisins and dried fruits. W. Pike. No. 68,785; Apr. 28; Gaz. vol. 133; p. 2175.
 Ranges and furnaces, Certain. Duparquet, Huot & Moneuse Company. No. 68,661; Apr. 21; Gaz. vol. 133; p. 1931.
 Ratchets for operating drills, taps, and wrenches. Keystone Mfg. Co. No. 68,009; Mar. 3; Gaz. vol. 133; p. 224.
 Razor-strops. George Worthington Company. No. 69,123; May 19; Gaz. vol. 134; p. 771.
 Razor-strops. R. W. Sunasack Company. No. 71,411; Nov. 24; Gaz. vol. 137; p. 972.
 Razor-strops. Simmons Hardware Company. No. 71,562; Dec. 1; Gaz. vol. 137; p. 1233.
 Razors. Simmons Hardware Company. No. 66,953; Jan. 7; Gaz. vol. 132; p. 226.
 Razors. A. Graef. No. 67,247; Jan. 28; Gaz. vol. 132; p. 835.
 Razors. Automatic Utilities Company. No. 68,718; Apr. 28; Gaz. vol. 133; p. 2173.
 Razors. A. Strauss & Co. No. 69,192; May 26; Gaz. vol. 134; p. 1045.
 Razors. Durham Safety Razor Co. No. 70,855; Oct. 13; Gaz. vol. 136; p. 1527.
 Razors. H. Clauss. No. 71,283; Nov. 17; Gaz. vol. 137; p. 727.
 Razors and pocket-knives. J. R. Boyd. No. 67,611; Feb. 11; Gaz. vol. 132; p. 1315.
 Razors and razor-blades. Rolka & Klein. No. 68,805; Apr. 28; Gaz. vol. 133; p. 2175.
 Razors and razor-blades. Gillette Safety Razor Co. No. 70,856; Oct. 13; Gaz. vol. 136; p. 1527.
 Razors, knives, scissors, and shears. Schwabacher Hardware Co. No. 68,733; Apr. 28; Gaz. vol. 133; p. 2173.
 Razors, pocket-knives, and scissors. Graef & Schmidt. No. 71,850; Dec. 15; Gaz. vol. 137; p. 1707.
 Receipts, Certain. Atlantic Stamping Company. No. 70,872; Oct. 13; Gaz. vol. 136; p. 1528.
 Redyeing and renovating plush, Material for. Imperial Car Cleaner Co. No. 70,505; Sept. 8; Gaz. vol. 136; p. 433.
 Reefers and overcoats for boys, girls, and children. I. Frank & Company. No. 67,114; Jan. 14; Gaz. vol. 132; p. 464.
 Refrigerator-linings. Herrick Refrigerator & Mfg. Co. No. 69,290; June 2; Gaz. vol. 134; p. 1294.
 Refrigerators. Odorless Refrigerator Company. No. 67,249; Jan. 28; Gaz. vol. 132; p. 835.
 Refrigerators. Grand Rapids Refrigerator Company. No. 69,924; July 21; Gaz. vol. 135; p. 657.
 Refrigerators. Herrick Refrigerator & Cold Storage Company. Nos. 70,197-8; Aug. 11; Gaz. vol. 135; p. 1357.
 Refrigerators. Norvell-Shapleigh Hardware Company. No. 70,705; Sept. 29; Gaz. vol. 136; p. 1063.
 Refrigerators. Odorless Refrigerator Company. No. 71,238; Nov. 10; Gaz. vol. 137; p. 470.
 Refrigerators. Northern Refrigerator Company. No. 71,948; Dec. 22; Gaz. vol. 137; p. 1935.
 Remedies, Antiseptic. Chemische Fabrik auf Actien (vorm. E. Schering). No. 67,391; Feb. 4; Gaz. vol. 132; p. 1065.
 Remedies, Certain. A. Fortier. No. 68,610; Apr. 21; Gaz. vol. 133; p. 1929.
 Remedies, Certain. H. M. O'Neil. No. 68,899; May 5; Gaz. vol. 134; p. 252.
 Remedies, Certain. Chemische Werke Hansa Gesellschaft mit beschränkter Haftung. No. 69,128; May 19; Gaz. vol. 134; p. 771.
 Remedies, Dyspepsia. Mother Seigel's Syrup Co. No. 71,510; Dec. 1; Gaz. vol. 137; p. 1231.
 Remedies, Eye. L. Arntz. No. 67,349; Jan. 28; Gaz. vol. 132; p. 838.
 Remedies for certain diseases. J. M. Cargill. No. 67,328; Jan. 28; Gaz. vol. 132; p. 837.
 Remedies for certain diseases. Van Riper & Co. No. 68,542; Apr. 14; Gaz. vol. 133; p. 1675.
 Remedies for certain diseases. Chemische Werke Hansa Gesellschaft mit beschränkter Haftung. No. 69,147; May 19; Gaz. vol. 134; p. 772.
 Remedies for certain diseases. Actien-Gesellschaft für Anilin-Fabrikation. No. 69,205; May 26; Gaz. vol. 134; p. 1046.
 Remedies for certain diseases. Earl's Best Pharmaceutical Company. No. 69,490; June 10; Gaz. vol. 134; p. 1798.
 Remedies for certain diseases. National Herb Company. No. 69,592; June 23; Gaz. vol. 134; p. 2024.
 Remedies for certain diseases. C. Lowell. No. 69,734; June 30; Gaz. vol. 134; p. 2241.
 Remedies for certain diseases. Red Circle Pill Company. No. 69,736; June 30; Gaz. vol. 134; p. 2241.
 Remedies for certain diseases. Southwestern Chemical Company. No. 69,902; July 14; Gaz. vol. 135; p. 446.
 Remedies for certain diseases. Mother's Remedies Co. No. 71,172; Nov. 3; Gaz. vol. 137; p. 225.
 Remedies for constipation. J. Grinthal. No. 67,972; Mar. 3; Gaz. vol. 133; p. 223.
 Remedies for corns, calli, and bunions. Toes-O-K Medical Company. No. 67,426; Feb. 4; Gaz. vol. 132; p. 1066.
 Remedies for coughs and colds. A. Alvarado. No. 67,017; Jan. 14; Gaz. vol. 132; p. 461.
 Remedies for diseases of live stock, hogs, and poultry. Old Kentucky Mfg. Co. No. 67,593; Feb. 11; Gaz. vol. 132; p. 1314.
 Remedies for dyspepsia and diseases of the blood. Long Island Pharmaceutical Co. No. 68,749; Apr. 28; Gaz. vol. 133; p. 2174.
 Remedies for eczema, &c. Glanold Remedy Co. No. 69,937; July 21; Gaz. vol. 135; p. 658.
 Remedies for female use. Bradfield Regulator Co. Nos. 66,892-900; Jan. 7; Gaz. vol. 132; p. 225.
 Remedies for female use. Bradfield Regulator Co. No. 68,534; Apr. 14; Gaz. vol. 133; p. 1674.
 Remedies for headaches and fevers. W. E. Allen. No. 67,576; Feb. 11; Gaz. vol. 132; p. 1314.
 Remedies for indigestion. "Tot" Company. No. 67,427; Feb. 4; Gaz. vol. 132; p. 1066.
 Remedies for indigestion and dyspepsia. Frederick Stearns & Co. No. 67,970; Mar. 3; Gaz. vol. 133; p. 223.
 Remedies for kidney, bladder, and liver troubles. E. C. De Witt & Company. No. 68,905; May 5; Gaz. vol. 134; p. 252.
 Remedies for nervous debility. Interstate Remedy Co. No. 69,814; July 7; Gaz. vol. 135; p. 214.
 Remedies for nervous maladies. H. Lamarque & Co. No. 69,890; July 14; Gaz. vol. 135; p. 446.
 Remedies for relief of pain, lameness, and soreness. J. A. Begy. No. 70,635; Sept. 22; Gaz. vol. 136; p. 843.
 Remedies for seasickness. M. Helm. No. 68,907; May 5; Gaz. vol. 134; p. 252.
 Remedies for stomach, liver, and bowel disorders. Fermo Company. No. 67,907; Feb. 25; Gaz. vol. 132; p. 1832.
 Remedies for the ailments of live stock. Nebraska Live Stock Remedy Company. No. 70,643; Sept. 22; Gaz. vol. 136; p. 843.
 Remedies for venereal diseases. New York & London Drug Co. No. 67,419; Feb. 4; Gaz. vol. 132; p. 1066.
 Remedies, Synthetic coal-tar. Farbenfabriken of Elberfeld Co. No. 69,512; June 16; Gaz. vol. 134; p. 1799.
 Remedy and hair-restorer, Dandruff. D. R. Campbell. No. 70,749; Sept. 29; Gaz. vol. 136; p. 1064.
 Remedy, Certain. David E. Foutz Co. No. 67,330; Jan. 28; Gaz. vol. 132; p. 837.
 Remedy, Certain. M. C. Cornely. No. 67,352; Jan. 28; Gaz. vol. 132; p. 838.
 Remedy, Certain. J. W. James Company. Nos. 67,414-15; Feb. 4; Gaz. vol. 132; p. 1065.
 Remedy, Certain. A. H. Niemann. No. 67,420; Feb. 4; Gaz. vol. 132; p. 1066.
 Remedy, Certain. Davis Chemical Company. No. 67,541; Feb. 11; Gaz. vol. 132; p. 1313.
 Remedy, Certain. J. Friedlander. No. 67,893; Feb. 25; Gaz. vol. 132; p. 1832.
 Remedy, Certain. L. Lloyd. No. 68,122; Mar. 10; Gaz. vol. 133; p. 508.
 Remedy, Certain. L. Pienas. No. 68,248; Mar. 17; Gaz. vol. 133; p. 758.
 Remedy, Certain. J. M. Young, Jr. No. 68,253; Mar. 17; Gaz. vol. 133; p. 758.
 Remedy, Certain. Mystic Wine of Life Co. No. 68,443; Apr. 7; Gaz. vol. 133; p. 1430.
 Remedy, Certain. L. S. Sorber. No. 68,902; May 5; Gaz. vol. 134; p. 252.
 Remedy, Certain. Sodeltzer Co. No. 68,960; May 12; Gaz. vol. 134; p. 509.
 Remedy, Certain. D. A. Maxwell. No. 69,156; May 19; Gaz. vol. 134; p. 772.
 Remedy, Corn. A. R. Canter. No. 68,435; Apr. 7; Gaz. vol. 133; p. 1430.
 Remedy, Corn and bunion. L. S. Couplin. No. 68,107; Mar. 10; Gaz. vol. 133; p. 507.
 Remedy, Cough. Hickory Bark Remedy Company. No. 71,711; Dec. 15; Gaz. vol. 137; p. 1703.
 Remedy for bowel complaint in poultry. F. J. Tishenbanner. No. 67,425; Feb. 4; Gaz. vol. 132; p. 1066.
 Remedy for bowel diseases. F. A. Patrick. No. 67,032; Jan. 14; Gaz. vol. 132; p. 461.
 Remedy for bronchitis and cough. G. Benjamin. No. 69,127; May 19; Gaz. vol. 134; p. 771.
 Remedy for cancers and tumors. W. Gersbacher, Jr. No. 71,354; Nov. 17; Gaz. vol. 137; p. 729.
 Remedy for certain diseases. A. P. Jones. No. 67,336; Jan. 28; Gaz. vol. 132; p. 838.
 Remedy for certain diseases. G. B. Best. No. 68,236; Mar. 17; Gaz. vol. 133; p. 758.
 Remedy for certain diseases. W. F. Darling. No. 68,436; Apr. 7; Gaz. vol. 133; p. 1430.
 Remedy for certain diseases. L. Pienas. No. 68,446; Apr. 7; Gaz. vol. 133; p. 1431.
 Remedy for certain diseases. M. S. Barlow. No. 68,603; Apr. 21; Gaz. vol. 133; p. 1929.

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- Remedy for certain diseases. W. Q. Bowman. No. 68,951; May 12; Gaz. vol. 134; p. 509.
 Remedy for certain diseases. H. & H. Company. No. 69,133; May 19; Gaz. vol. 134; p. 771.
 Remedy for certain diseases. N. C. Polson. No. 69,138; May 19; Gaz. vol. 134; p. 772.
 Remedy for certain diseases. E. E. Philbrick. No. 69,158; May 19; Gaz. vol. 134; p. 772.
 Remedy for certain diseases. Sharp & Dohme. No. 69,218; May 26; Gaz. vol. 134; p. 1046.
 Remedy for certain diseases. N. C. Polson. Nos. 69,494-5; June 16; Gaz. vol. 134; p. 1799.
 Remedy for certain diseases. G. H. Smith. No. 69,496; June 16; Gaz. vol. 134; p. 1799.
 Remedy for certain diseases. A. Nitz. No. 69,563; June 23; Gaz. vol. 134; p. 2023.
 Remedy for certain diseases. N. C. Polson. No. 69,566; June 23; Gaz. vol. 134; p. 2023.
 Remedy for certain diseases. S. Woolston. No. 69,621; June 23; Gaz. vol. 134; p. 2025.
 Remedy for certain diseases. J. S. Robinson. No. 69,821; July 7; Gaz. vol. 135; p. 214.
 Remedy for certain diseases. Weiss Pharmaceutical Company. No. 69,905; July 14; Gaz. vol. 135; p. 446.
 Remedy for certain diseases. Wright's Indian Vegetable Pill Company. No. 70,170; Aug. 4; Gaz. vol. 135; p. 1115.
 Remedy for certain diseases. J. E. Predmore. No. 70,244; Aug. 11; Gaz. vol. 135; p. 1358.
 Remedy for certain diseases. Olephen Chemical Company. No. 70,401; Aug. 25; Gaz. vol. 135; p. 1799.
 Remedy for certain diseases. J. H. Stout. No. 70,403; Aug. 25; Gaz. vol. 135; p. 1799.
 Remedy for certain diseases. R. E. Sager. No. 70,512; Sept. 8; Gaz. vol. 136; p. 434.
 Remedy for certain diseases. Remkol Company. No. 70,527; Sept. 8; Gaz. vol. 136; p. 434.
 Remedy for certain diseases. Chicago Pharmacal Co. No. 70,714; Sept. 29; Gaz. vol. 136; p. 1063.
 Remedy for certain diseases. C. W. Braunlich. No. 70,842; Oct. 13; Gaz. vol. 136; p. 1527.
 Remedy for certain diseases. T. M. Sayman. No. 70,847; Oct. 13; Gaz. vol. 136; p. 1527.
 Remedy for certain diseases. J. W. Stover. No. 70,848; Oct. 13; Gaz. vol. 136; p. 1527.
 Remedy for certain diseases. R. Ray. No. 70,852; Oct. 13; Gaz. vol. 136; p. 1527.
 Remedy for certain diseases. Phillips Drug Company. No. 70,898; Oct. 13; Gaz. vol. 136; p. 1528.
 Remedy for certain diseases. Favreau & Collette. No. 71,353; Nov. 17; Gaz. vol. 137; p. 729.
 Remedy for certain diseases. Bedford Medicine Co. No. 71,498; Dec. 1; Gaz. vol. 137; p. 1231.
 Remedy for certain diseases. B. J. Kendall. No. 71,642; Dec. 8; Gaz. vol. 137; p. 1478.
 Remedy for certain diseases. Palmetto Chemical Co. Inc. No. 72,051; Dec. 29; Gaz. vol. 137; p. 2215.
 Remedy for chilblains. Sheffield Chemical Co. No. 68,250; Mar. 17; Gaz. vol. 133; p. 758.
 Remedy for corns and bunions. T. J. France. No. 71,017; Oct. 27; Gaz. vol. 136; p. 1995.
 Remedy for coughs and colds. Ednur Pharmacal Co. No. 67,781; Feb. 18; Gaz. vol. 132; p. 1581.
 Remedy for coughs and colds. P. Jacob. No. 68,348; Mar. 31; Gaz. vol. 133; p. 1184.
 Remedy for coughs and colds. B. F. Troup and Co. No. 70,234; Aug. 11; Gaz. vol. 135; p. 1358.
 Remedy for coughs, colds, and catarrh. Markert Medical Company. No. 68,441; Apr. 7; Gaz. vol. 133; p. 1430.
 Remedy for cramps and bots in horses. S. S. McCarver. No. 67,361; Jan. 28; Gaz. vol. 132; p. 838.
 Remedy for croup, coughs, and colds. Campho Croup Co. No. 67,903; Feb. 25; Gaz. vol. 132; p. 1832.
 Remedy for dandruff and itching scalp. P. C. Clemensen. No. 71,707; Dec. 15; Gaz. vol. 137; p. 1703.
 Remedy for diseases in turkeys. C. M. Evans. No. 69,381; June 9; Gaz. vol. 134; p. 1558.
 Remedy for diseases of eyes. T. Shockley. No. 67,365; Jan. 28; Gaz. vol. 132; p. 838.
 Remedy for diseases of the eye. Wright's Indian Vegetable Pill Company. No. 69,579; June 23; Gaz. vol. 134; p. 2023.
 Remedy for diseases of the generative organs. Arent Bros. Medical Co. No. 71,422; Nov. 24; Gaz. vol. 137; p. 972.
 Remedy for diseases of the kidneys, bladder, &c. F. A. Luyties. No. 68,246; Mar. 17; Gaz. vol. 133; p. 758.
 Remedy for diseases of the liver. S. T. W. Sanford & Sons. No. 68,249; Mar. 17; Gaz. vol. 133; p. 758.
 Remedy for diseases of the rectum. P. Muliecker. No. 69,281; June 2; Gaz. vol. 134; p. 1294.
 Remedy for diseases of the stomach or bowels. M. Feierstein. No. 70,446; Sept. 1; Gaz. vol. 136; p. 221.
 Remedy for diseases peculiar to women. S. B. Leonardi. No. 68,520; Apr. 14; Gaz. vol. 133; p. 1674.
 Remedy for diseases peculiar to women. W. C. Ramsey. No. 69,578; June 23; Gaz. vol. 134; p. 2023.
 Remedy for dyspepsia. Hollander Bros. Drug Co. No. 68,615; Apr. 21; Gaz. vol. 133; p. 1930.
 Remedy for dyspepsia, headache, and nausea. F. Fuller. No. 67,354; Jan. 28; Gaz. vol. 132; p. 838.
 Remedy for epilepsy. Tucker Pharmacal Co. No. 67,770; Feb. 18; Gaz. vol. 132; p. 1581.
 Remedy for external use. Fountain Medicine Company. No. 71,623; Dec. 8; Gaz. vol. 137; p. 1477.
 Remedy for fever and ague and malarial affections. J. B. Davenport. No. 68,535; Apr. 14; Gaz. vol. 133; p. 1674.
 Remedy for gall-stones. H. Rosenberg. No. 67,695; Feb. 11; Gaz. vol. 132; p. 1314.
 Remedy for gall-stones. Kelly Remedy Company. No. 68,244; Mar. 17; Gaz. vol. 133; p. 758.
 Remedy for gonorrhea, gleet, &c. W. H. Juenger. No. 68,616; Apr. 21; Gaz. vol. 133; p. 1930.
 Remedy for headache. O. L. Sherer. No. 70,720; Sept. 29; Gaz. vol. 136; p. 1063.
 Remedy for hog-plague. E. Merck. No. 71,910; Dec. 22; Gaz. vol. 137; p. 1934.
 Remedy for indigestion, &c. W. B. Moore. No. 67,601; Feb. 11; Gaz. vol. 132; p. 1314.
 Remedy for indigestion. Wright's Indian Vegetable Pill Company. No. 68,964; May 12; Gaz. vol. 134; p. 509.
 Remedy for infective diseases. B. F. Copeland Co. No. 69,256; June 2; Gaz. vol. 134; p. 1293.
 Remedy for intestinal indigestion, &c. Henry K. Wampole and Company. No. 70,639; Sept. 22; Gaz. vol. 136; p. 843.
 Remedy for laxative and blood-purifying purposes. Iron-ox Remedy Company. No. 67,357; Jan. 28; Gaz. vol. 132; p. 838.
 Remedy for malaria. M. Case. No. 71,705; Dec. 15; Gaz. vol. 137; p. 1703.
 Remedy for malaria and diseases of the blood and kidney. Hodge & Bailey. No. 67,783; Feb. 18; Gaz. vol. 132; p. 1581.
 Remedy for nervous diseases. R. A. Smith. No. 69,219; May 26; Gaz. vol. 134; p. 1946.
 Remedy for pigs. Cramp. T. Engelhard. No. 67,976; Mar. 3; Gaz. vol. 133; p. 223.
 Remedy for poultry diseases. M. C. Siebold. No. 68,541; Apr. 14; Gaz. vol. 133; p. 1675.
 Remedy for purifying the blood. P. L. Cusachs, Limited. No. 67,363; Jan. 28; Gaz. vol. 132; p. 838.
 Remedy for rheumatism. B. F. Snyder. No. 67,423; Feb. 4; Gaz. vol. 132; p. 1066.
 Remedy for rheumatism. J. G. Bray. No. 67,776; Feb. 18; Gaz. vol. 132; p. 1581.
 Remedy for rheumatism. Geisenberger Bros. No. 68,611; Apr. 21; Gaz. vol. 133; p. 1930.
 Remedy for rheumatism. A. Peter. No. 69,614; June 23; Gaz. vol. 134; p. 2024.
 Remedy for rheumatism. Mesal Chemical Co. No. 70,605; Sept. 15; Gaz. vol. 136; p. 654.
 Remedy for rheumatism. A. O. Fraley. No. 71,439; Nov. 24; Gaz. vol. 137; p. 973.
 Remedy for rheumatism. Ozark Medicine Company. No. 71,513; Dec. 1; Gaz. vol. 137; p. 1231.
 Remedy for rheumatism and gout. Warner Drug Co. No. 69,823; July 7; Gaz. vol. 135; p. 214.
 Remedy for rheumatism, sprains, bruises, and burns. J. Uhrig. No. 70,821; Oct. 6; Gaz. vol. 136; p. 1294.
 Remedy for scalp diseases. J. W. Black. No. 68,896; May 5; Gaz. vol. 134; p. 252.
 Remedy for scalp diseases. Dr. J. J. Krom Co. No. 69,131; May 19; Gaz. vol. 134; p. 771.
 Remedy for scratches, wounds, and sores. F. W. Hopkins. No. 71,507; Dec. 1; Gaz. vol. 137; p. 1231.
 Remedy for seasickness. A. Riesz. No. 71,651; Dec. 8; Gaz. vol. 137; p. 1478.
 Remedy for skin diseases. J. E. Riggs. No. 67,143; Jan. 21; Gaz. vol. 132; p. 673.
 Remedy for the nerves and nervous disorders. Dr. S. A. Richmond Nerve Co. No. 70,160; Aug. 4; Gaz. vol. 135; p. 1118.
 Remedy for tired feet, corns, and bunions. E. Churchward. No. 69,379; June 9; Gaz. vol. 134; p. 1558.
 Remedy for tuberculosis. A. Thamm. No. 69,741; June 30; Gaz. vol. 134; p. 2241.
 Remedy for urinary diseases. Actien-Gesellschaft für Anilin-Fabrikation. No. 67,963; Mar. 3; Gaz. vol. 133; p. 223.
 Remedy for venereal diseases. Floyd Bros. No. 71,438; Nov. 24; Gaz. vol. 137; p. 973.
 Remedy for whooping-cough and colds. H. Mole. No. 67,913; Feb. 25; Gaz. vol. 132; p. 1832.
 Remedy in the form of a pastil. M. B. Spellman. No. 72,014; Dec. 29; Gaz. vol. 137; p. 2214.
 Remedy, Pile. C. H. Hoyt & Co. No. 67,910; Feb. 25; Gaz. vol. 132; p. 1832.
 Remedy, Pile. D. C. Deck. No. 69,259; June 2; Gaz. vol. 134; p. 1293.
 Remedy, Rheumatic. Morris Chemical Co. No. 66,907; Jan. 7; Gaz. vol. 132; p. 225.
 Remedy, Tonic. Rocky Mountain Sage Tonic Company. No. 68,540; Apr. 14; Gaz. vol. 133; p. 1675.
 Remedy used internally, Liquid. O. M. Otto. No. 70,846; Oct. 13; Gaz. vol. 136; p. 1527.
 Resilient composition, Certain. Elastro Manufacturing Company. No. 67,489; Feb. 4; Gaz. vol. 132; p. 1067.
 Revolvers, pistols, rifles, and shotguns. Harrington & Richardson Arms Co. No. 69,039; May 19; Gaz. vol. 134; p. 769.
 Rheostats and resistance-coils. Clark & Rowland. No. 68,643; Apr. 21; Gaz. vol. 133; p. 1930.
 Ribbons. J. Sulzbach. No. 67,199; Jan. 21; Gaz. vol. 132; p. 675.
 Ribbons. M. Balay. No. 68,370; Mar. 31; Gaz. vol. 133; p. 1184.
 Ribbons. Vallat & Perronet. Nos. 68,372-6; Mar. 31; Gaz. vol. 133; p. 1184.
 Ribbons. Carson Pirie Scott & Co. No. 69,402; June 9; Gaz. vol. 134; p. 1559.
 Ribbons. John V. Farwell Company. No. 69,517; June 16; Gaz. vol. 134; p. 1799.

Alphabetical list of trade-marks—Continued.

- Ribbons. John V. Farwell Company. No. 69,733; June 30; Gaz. vol. 134; p. 2241.
 Ribbons. R. Sarasin & Co. No. 69,752; June 30; Gaz. vol. 134; p. 2241.
 Ribbons. W. Sarasin & Co. No. 69,825; July 7; Gaz. vol. 135; p. 214.
 Ribbons. L. & E. Stirn. No. 70,299; Aug. 18; Gaz. vol. 135; p. 1578.
 Ribbons. W. Sarasin & Co. No. 70,541; Sept. 8; Gaz. vol. 136; p. 434.
 Ribbons and handkerchiefs. International Ribbon Works. No. 69,514; June 16; Gaz. vol. 134; p. 1799.
 Ribbons, Hat-. German Artistic Weaving Co. No. 70,284; Aug. 18; Gaz. vol. 135; p. 1578.
 Ribbons, Satin. L. & E. Stirn. No. 71,692; Dec. 8; Gaz. vol. 137; p. 1479.
 Ribbons, Taffeta. L. & E. Stirn. No. 72,016; Dec. 29; Gaz. vol. 137; p. 2214.
 Ribbons, Velvet. W. Openhym & Sons. No. 69,411; June 9; Gaz. vol. 134; p. 1559.
 Ribbons, Velvet. Passavant & Co. No. 70,191; Aug. 11; Gaz. vol. 135; p. 1357.
 Rice. W. D. Porcher. No. 68,364; Mar. 31; Gaz. vol. 133; p. 1184.
 Rice, rice-flour, and rice-meal. A. B. Murray. No. 71,783; Dec. 15; Gaz. vol. 137; p. 1705.
 Rifles, shotguns, pistols, and revolvers. M. E. Johnson, trustee. Nos. 68,385-9; Apr. 7; Gaz. vol. 133; p. 1429.
 Rifles, shotguns, pistols, and revolvers. M. E. Johnson, trustee. No. 69,065; May 19; Gaz. vol. 134; p. 770.
 Rifles, Spring-actuated air-. E. H. Searle. No. 70,122; Aug. 4; Gaz. vol. 135; p. 1117.
 Rings, Animal-. A. C. Decker. No. 71,085; Oct. 27; Gaz. vol. 136; p. 1397.
 Rings, chains, bracelets, and jewelry. A. Rosenberg. No. 67,951; Feb. 25; Gaz. vol. 132; p. 1833.
 Rings, Finger-. A. Constantine. No. 70,654; Sept. 22; Gaz. vol. 136; p. 843.
 Rivets, washers, and lacing-studs. Edwin B. Stimpson Company. No. 70,146; Aug. 4; Gaz. vol. 135; p. 1118.
 Roasters, Metal. Republic Metalware Co. No. 68,099; Mar. 10; Gaz. vol. 133; p. 507.
 Roofing and bituminous compounds, Certain. Barber Asphalt Paving Co. No. 71,934; Dec. 22; Gaz. vol. 137; p. 1934.
 Roofing and flooring composition. Standard Paint Company. No. 69,903; July 14; Gaz. vol. 135; p. 446.
 Roofing and sheathing fabric, Waterproofed. J. A. & W. Bird & Co. No. 70,567; Sept. 15; Gaz. vol. 136; p. 653.
 Roofing and siding composition. A. E. Kirk. No. 67,618; Feb. 11; Gaz. vol. 132; p. 1315.
 Roofing fabric, Waterproofed. J. A. & W. Bird & Co. No. 70,569; Sept. 15; Gaz. vol. 136; p. 653.
 Roofing, Felt. Barrett Manufacturing Company. No. 71,325; Nov. 17; Gaz. vol. 137; p. 728.
 Roofing, Laid composite. J. H. Griffin. No. 70,249; Aug. 18; Gaz. vol. 135; p. 1577.
 Rope, Fiber. C. W. Hunt Company. No. 69,699; June 30; Gaz. vol. 134; p. 2240.
 Rowing-skiffs, dories, and motor-boats. Atlantic Company. No. 70,123; Aug. 4; Gaz. vol. 135; p. 1117.
 Rubber and fabric beltings, hose, and packings. E. C. Atkins & Company. No. 71,589; Dec. 1; Gaz. vol. 137; p. 1233.
 Rubber and leather boots and shoes. Binghamton Shoe & Rubber Co. No. 71,176; Nov. 10; Gaz. vol. 137; p. 469.
 Rubber belting. Fairbanks Co. No. 69,511; June 16; Gaz. vol. 134; p. 1799.
 Rubber belting, hose, and machinery packing. Anchor Packing Company. No. 70,748; Sept. 29; Gaz. vol. 136; p. 1064.
 Rubber belting, hose, and packing. Stephen Ballard Rubber Company. No. 71,072; Oct. 27; Gaz. vol. 136; p. 1996.
 Rubber boots. Sanders Duck and Rubber Company. No. 68,274; Mar. 17; Gaz. vol. 133; p. 759.
 Rubber boots. Gorham Rubber Company. No. 69,535; June 16; Gaz. vol. 134; p. 1800.
 Rubber boots and shoes. Goodyear's Metallic Rubber Shoe Co. No. 66,959; Jan. 7; Gaz. vol. 132; p. 227.
 Rubber boots and shoes. L. Candee & Co. Nos. 66,968-70; Jan. 7; Gaz. vol. 132; p. 227.
 Rubber boots and shoes. Woonsocket Rubber Company. Nos. 66,973-5; Jan. 7; Gaz. vol. 132; p. 227.
 Rubber boots and shoes. Goodyear's Metallic Rubber Shoe Co. Nos. 66,985-6; Jan. 7; Gaz. vol. 132; p. 227.
 Rubber boots and shoes. L. Candee & Co. No. 67,162; Jan. 21; Gaz. vol. 132; p. 674.
 Rubber boots and shoes. Lymcoming Rubber Company. No. 67,437; Feb. 4; Gaz. vol. 132; p. 1066.
 Rubber boots and shoes. American Rubber Company. Nos. 67,453-4; Feb. 4; Gaz. vol. 132; p. 1066.
 Rubber boots and shoes. Boston Rubber Shoe Company. Nos. 67,457-8; Feb. 4; Gaz. vol. 132; p. 1067.
 Rubber boots and shoes. Goodyear's India Rubber Glove M'fg Co. No. 67,462; Feb. 4; Gaz. vol. 132; p. 1067.
 Rubber boots and shoes. Joseph Banigan Rubber Co. Nos. 67,463-4; Feb. 4; Gaz. vol. 132; p. 1067.
 Rubber boots and shoes. Lymcoming Rubber Co. No. 67,466-7; Feb. 4; Gaz. vol. 132; p. 1067.
 Rubber boots and shoes. Meyer Rubber Company. No. 67,468; Feb. 4; Gaz. vol. 132; p. 1067.
 Rubber boots and shoes. New Brunswick Rubber Company. No. 67,469; Feb. 4; Gaz. vol. 132; p. 1067.
 Rubber boots and shoes. United States Rubber Company. No. 67,472; Feb. 4; Gaz. vol. 132; p. 1067.
 Rubber boots and shoes. Goodyear's India Rubber Glove M'fg Co. No. 67,672; Feb. 11; Gaz. vol. 132; p. 1316.
 Rubber boots and shoes. National India Rubber Company. No. 67,676; Feb. 11; Gaz. vol. 132; p. 1316.
 Rubber boots and shoes. United States Rubber Company. No. 67,680; Feb. 11; Gaz. vol. 132; p. 1316.
 Rubber boots and shoes. Woonsocket Rubber Company. No. 67,687; Feb. 11; Gaz. vol. 132; p. 1317.
 Rubber boots and shoes. Hood Rubber Company. No. 68,271; Mar. 17; Gaz. vol. 133; p. 759.
 Rubber boots and shoes. Goodyear's Metallic Rubber Shoe Co. No. 68,549; Apr. 14; Gaz. vol. 133; p. 1675.
 Rubber boots and shoes. Lambertville Rubber Co. No. 69,574; June 23; Gaz. vol. 134; p. 2023.
 Rubber boots and shoes. C. Breiding & Sohn. No. 70,300; Aug. 18; Gaz. vol. 135; p. 1578.
 Rubber boots and shoes. Roberts, Johnson, & Rand Shoe Company. No. 70,471; Sept. 1; Gaz. vol. 136; p. 222.
 Rubber boots and shoes. Regal Shoe Company. No. 71,190; Nov. 10; Gaz. vol. 137; p. 469.
 Rubber boots and shoes and rubber and oiled clothing. Goodyear Rubber Company. No. 72,002; Dec. 29; Gaz. vol. 137; p. 2213.
 Rubber boots, shoes, and overshoes. American Hand Sewed Shoe Co. No. 69,296; May 26; Gaz. vol. 134; p. 1046.
 Rubber boots, shoes, and soles. National India Rubber Co. No. 68,425; Apr. 7; Gaz. vol. 133; p. 1430.
 Rubber boots, shoes, and soles. National India Rubber Co. No. 68,468; Apr. 7; Gaz. vol. 133; p. 1431.
 Rubber boots, shoes, and soles. National India Rubber Co. No. 68,955; May 12; Gaz. vol. 134; p. 569.
 Rubber buckets. National India Rubber Co. No. 69,833; July 7; Gaz. vol. 135; p. 215.
 Rubber combs. Geo. Borgfeldt & Co. No. 67,670; Feb. 11; Gaz. vol. 132; p. 1316.
 Rubber combs. Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft. No. 69,647; June 23; Gaz. vol. 134; p. 2025.
 Rubber combs. Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft. No. 70,315; Aug. 18; Gaz. vol. 135; p. 1579.
 Rubber-covered fabric belting. Buffalo Weaving & Belting Co. Nos. 71,327-8; Nov. 17; Gaz. vol. 137; p. 728.
 Rubber erasers. J. Lehmann. No. 67,380; Jan. 28; Gaz. vol. 132; p. 839.
 Rubber flange-packing. O. Sayen. No. 69,971; July 21; Gaz. vol. 135; p. 658.
 Rubber footwear and rubber tires for motor-vehicles. Hood Rubber Co. No. 66,987; Jan. 7; Gaz. vol. 132; p. 227.
 Rubber footwear and tires. Hood Rubber Co. No. 67,160; Jan. 21; Gaz. vol. 132; p. 673.
 Rubber goods, Certain. Scandinavian Fur & Leather Co. No. 66,991; Jan. 7; Gaz. vol. 132; p. 227.
 Rubber goods, Certain. B. F. Goodrich Company. No. 67,149; Jan. 21; Gaz. vol. 132; p. 673.
 Rubber goods, Certain. Geo. Borgfeldt & Co. No. 67,431; Feb. 4; Gaz. vol. 132; p. 1066.
 Rubber goods, Certain. Boston Rubber Company. No. 67,806; Feb. 18; Gaz. vol. 132; p. 1582.
 Rubber goods, Certain. Hood Rubber Co. No. 68,168; Mar. 10; Gaz. vol. 133; p. 509.
 Rubber goods, Certain. Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft. Nos. 71,199-200; Nov. 10; Gaz. vol. 137; p. 469.
 Rubber goods, Certain. Hannoversche Gummi-Kamm-Compagnie Actien-Gesellschaft. No. 71,337; Nov. 17; Gaz. vol. 137; p. 729.
 Rubber hose. Pennsylvania Rubber Company. No. 70,896; Oct. 13; Gaz. vol. 136; p. 1528.
 Rubber nipples. Pax Manufacturing Company. No. 68,555; Apr. 14; Gaz. vol. 133; p. 1675.
 Rubber packing. Morgan & Wright. No. 67,072; Jan. 14; Gaz. vol. 132; p. 462.
 Rubber packing. New Jersey Car Spring & Rubber Co. No. 71,670; Dec. 8; Gaz. vol. 137; p. 1478.
 Rubber regenerated from rubber-waste. J. Basler & Co. Nos. 70,542-3; Sept. 15; Gaz. vol. 136; p. 653.
 Rubber rings and gaskets for jar-caps. Pennsylvania Rubber Company. No. 70,376; Aug. 25; Gaz. vol. 135; p. 1798.
 Rubber roofing. J. L. Lindsay. No. 69,293; June 9; Gaz. vol. 134; p. 1559.
 Rubber roofing. New Orleans Roofing & Metal Works. No. 70,264; Aug. 25; Gaz. vol. 135; p. 1577.
 Rubber roofing. Seinsheimer Paper Company. No. 71,481; Nov. 24; Gaz. vol. 137; p. 974.
 Rubber roofing. Hibbard, Spencer, Bartlett & Company. No. 71,649; Nov. 24; Gaz. vol. 137; p. 974.
 Rubber sheeting. Deline Patent Packing and Rubber Company. No. 69,122; May 19; Gaz. vol. 134; p. 771.
 Rubber substitute. Corn Products Refining Company. No. 68,289; Mar. 24; Gaz. vol. 133; p. 987.
 Rubber toys. Geo. Borgfeldt & Co. No. 67,512; Feb. 4; Gaz. vol. 132; p. 1068.
 Rubber water-bottles. C. J. Bailey. No. 69,826; July 7; Gaz. vol. 135; p. 214.
 Rubber water-bottles and syringe-bags. National India Rubber Co. No. 69,524; June 16; Gaz. vol. 134; p. 1799.
 Ruffles and shirt-waist extenders. Grommet M'fg Company. No. 70,314; Aug. 18; Gaz. vol. 135; p. 1579.
 Rugs, carpets, and curtains. B. G. Casbarian. No. 69,878; July 14; Gaz. vol. 135; p. 446.
 Rugs, portières, and cushion-covers. Nye & Wait. No. 67,650; Feb. 11; Gaz. vol. 132; p. 1316.
 Rugs, Wilton. T. Develon, Jr. Nos. 70,983-4; Oct. 20; Gaz. vol. 136; p. 1764.
 Rugs, Wilton. T. Develon, Jr. No. 71,045; Oct. 27; Gaz. vol. 136; p. 1996.
 Rugs, Woven. Kilmarnock Textile Manufacturing Co. No. 67,297; Jan. 28; Gaz. vol. 132; p. 837.

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- Rules, Circular slide-. J. Halden & Co. No. 70,793; Oct. 6; Gaz. vol. 136; p. 1293.
 Rules, Folding. Stanley Rule & Level Company. No. 69,172; May 26; Gaz. vol. 134; p. 1045.
 Rules, Folding. Stanley Rule & Level Company. No. 69,191; May 26; Gaz. vol. 134; p. 1045.
 Rules, Measuring-. W. Prym. No. 70,963; Oct. 20; Gaz. vol. 136; p. 1764.
 Rules, Slide-. Keuffel & Esser Company. No. 68,631; Apr. 21; Gaz. vol. 133; p. 1931.
 Rules, Wood. Joseph F. McCoy Co. No. 68,049; Mar. 3; Gaz. vol. 133; p. 225.
 Rum, Jamaica. Tanqueray Gordon & Co. No. 68,307; Mar. 31; Gaz. vol. 133; p. 1184.
 Sadd-irons. M. L. Udwin. No. 70,946; Oct. 20; Gaz. vol. 136; p. 1763.
 Saddles and harness, Riding-. Threefoot Bros. & Co. No. 71,088; Oct. 27; Gaz. vol. 136; p. 1997.
 Saddles and parts thereof, saddle-cloths, bridles, and bits, Riding-. Mehlbach Saddle Co. No. 71,968; Dec. 22; Gaz. vol. 137; p. 1935.
 Safes. Herring-Hall-Marvin Safe Company. No. 70,369; Aug. 25; Gaz. vol. 135; p. 1793.
 Safes. Herring-Hall-Marvin Safe Company. No. 70,411; Aug. 25; Gaz. vol. 135; p. 1799.
 Salicylic esters of phenols and of alcohols. Chemische Fabrik von Heyden Aktien-Gesellschaft. No. 69,258; June 2; Gaz. vol. 134; p. 1293.
 Salmon, Canned. Corby Commission Company. No. 71,286; Nov. 17; Gaz. vol. 137; p. 727.
 Salmon, Canned. A. Booth and Company. No. 71,488; Nov. 24; Gaz. vol. 137; p. 974.
 Salt, blue, and ammonia, Table-. Drake & Company. No. 67,291; Jan. 28; Gaz. vol. 132; p. 836.
 Salt, Salt Union. Nos. 71,612-14; Dec. 8; Gaz. vol. 137; p. 1477.
 Salt, Table-. Dento Chemical Company. No. 69,332; June 9; Gaz. vol. 134; p. 1557.
 Salve. G. F. Smith. No. 68,116; Mar. 10; Gaz. vol. 133; p. 508.
 Salve. M. Lange. No. 68,617; Apr. 21; Gaz. vol. 133; p. 1930.
 Salve. M. A. Palermo. No. 68,623; Apr. 21; Gaz. vol. 133; p. 1930.
 Salve. Woolley Salve Company. No. 69,498; June 16; Gaz. vol. 134; p. 1799.
 Salve. B. Kohosoff. No. 69,748; June 30; Gaz. vol. 134; p. 2241.
 Salve. Howell and Ruth. No. 69,945; July 21; Gaz. vol. 135; p. 657.
 Salve. Bergeron & Bergeron. No. 70,595; Sept. 15; Gaz. vol. 136; p. 654.
 Salve. T. M. Sayman. No. 70,645; Sept. 22; Gaz. vol. 136; p. 843.
 Salve. W. Seeger. No. 71,263; Nov. 10; Gaz. vol. 137; p. 471.
 Salve, Corn-. Giant Chemical Company. No. 68,613; Apr. 21; Gaz. vol. 133; p. 1930.
 Salve, Corn and bunion. C. Hercher. No. 70,583; Sept. 15; Gaz. vol. 133; p. 654.
 Salve for veterinary uses. A. Liebmann. No. 71,027; Oct. 27; Gaz. vol. 136; p. 1995.
 Salve or ointment. B. Fiedler. No. 68,347; Mar. 31; Gaz. vol. 133; p. 1184.
 Salve or ointment. Meadoline Co. No. 69,575; June 23; Gaz. vol. 134; p. 2023.
 Salve or ointment and emollient. W. K. Peek. No. 68,624; Apr. 27; Gaz. vol. 133; p. 1930.
 Salves. Well Chemical Mfg. Co. No. 66,911; Jan. 7; Gaz. vol. 132; p. 225.
 Salves. E. Lacotte. No. 69,253; June 2; Gaz. vol. 134; p. 1293.
 Salves. M. A. Zalewski. No. 69,755; June 30; Gaz. vol. 134; p. 2241.
 Salves and ointments. J. T. Dale. No. 71,501; Dec. 1; Gaz. vol. 137; p. 1231.
 Salves and ointments, Certain. Fouquet et Cie. No. 68,439; Apr. 1; Gaz. vol. 133; p. 1430.
 Salves, ointments, and powders, Foot. J. A. Savage. No. 68,115; Mar. 10; Gaz. vol. 133; p. 508.
 Sanatoriums and certain medical apparatus, Portable. G. L. Warnken. No. 70,619; Sept. 15; Gaz. vol. 133; p. 655.
 Sardines. Globe Packing Company. Nos. 67,432-3; Feb. 4; Gaz. vol. 132; p. 1066.
 Sardines. J. Braadland. Nos. 68,511-12; Apr. 14; Gaz. vol. 133; p. 1674.
 Sardines. J. Braadland. No. 68,533; Apr. 14; Gaz. vol. 133; p. 1674.
 Sardines. Blanchard Mfg. & Canning Co. No. 70,950; Oct. 20; Gaz. vol. 136; p. 1763.
 Sardines. Neuman & Schwiens Co. No. 70,961; Oct. 20; Gaz. vol. 136; p. 1764.
 Sardines. Aktieselskabet Stavanger Blikemballfabrik. No. 72,057; Dec. 29; Gaz. vol. 137; p. 2215.
 Sardines and canned fish. Strohmeier & Arpe Company. No. 69,365; June 9; Gaz. vol. 134; p. 1558.
 Sardines in cotton-seed oil, American. Blanchard Mfg. & Canning Co. No. 70,330; Aug. 25; Gaz. vol. 135; p. 1797.
 Sardines in mustard sauce, American. Globe Packing Company. No. 71,809; Dec. 15; Gaz. vol. 137; p. 1706.
 Sardines in oil. J. Frye & Co. No. 70,790; Oct. 6; Gaz. vol. 136; p. 1293.
 Sardines in oil, Smoked. Stavanger Preserving Company. No. 70,539; Sept. 8; Gaz. vol. 136; p. 434.
 Sardines packed in oil. Dodge & Starkel. No. 68,135; Mar. 10; Gaz. vol. 133; p. 508.
 Sardines, salmon, and herrings. E. Shivel. No. 69,080; May 19; Gaz. vol. 134; p. 770.
 Sardines, Smoked. J. Braadland. Nos. 69,272-3; June 2; Gaz. vol. 134; p. 1293.
 Sash and hair bow sets, and hair-bow sets. Smith & Kaufmann. No. 68,835; Apr. 28; Gaz. vol. 133; p. 2176.
 Sash and hair-bow sets, and hair-bow sets. Smith & Kaufmann. Nos. 70,473-4; Sept. 1; Gaz. vol. 136; p. 222.
 Sash-cord, Braided. Samson Cordage Works. No. 66,933; Jan. 7; Gaz. vol. 132; p. 226.
 Sash-operating apparatus. American Machinery Company. No. 71,248; Nov. 10; Gaz. vol. 137; p. 471.
 Sauce. Lea & Perrins. No. 68,150; Mar. 10; Gaz. vol. 133; p. 509.
 Sauce, Tomato-. V. Del Galzo. No. 67,043; Jan. 14; Gaz. vol. 132; p. 462.
 Sauces. Sears and Dickerson. No. 68,153; Mar. 10; Gaz. vol. 133; p. 509.
 Sauces. Oscar & Co. No. 69,459; June 16; Gaz. vol. 134; p. 1798.
 Sauces for meats and stews. Peeled-green-chilli and vegetable. Royal Packing Company. No. 71,536; Dec. 1; Gaz. vol. 137; p. 1232.
 Sauces, Meat, fish, and game. Soyier Company of America. No. 69,285; June 2; Gaz. vol. 134; p. 1294.
 Sausage, lard, dried beef, ham, and bacon. W. J. Jones. No. 68,649; Apr. 21; Gaz. vol. 133; p. 1930.
 Saw-set. Henry Disston & Sons. No. 71,983; Dec. 29; Gaz. vol. 137; p. 2213.
 Saw-sets. Henry Disston & Sons. No. 70,862; Oct. 13; Gaz. vol. 136; p. 1527.
 Saws. Henry Disston & Sons. No. 70,449; Sept. 1; Gaz. vol. 136; p. 221.
 Saws. Henry Disston & Sons. No. 70,858; Oct. 13; Gaz. vol. 136; p. 1527.
 Saws. Henry Disston & Sons. Nos. 70,860-1; Oct. 13; Gaz. vol. 136; p. 1527.
 Saws. Henry Disston & Sons. No. 70,863; Oct. 13; Gaz. vol. 136; p. 1527.
 Saws. Manning, Maxwell & Moore. No. 70,004; Sept. 15; Gaz. vol. 133; p. 654.
 Saws. Henry Disston & Sons. No. 71,982; Dec. 29; Gaz. vol. 137; p. 2213.
 Saws and machine-knives. Simonds Manufacturing Company. No. 71,413; Nov. 24; Gaz. vol. 137; p. 972.
 Saws, Coping-. F. P. Maxson. No. 70,995; Oct. 20; Gaz. vol. 136; p. 1765.
 Saws, Jewelers'. Hammel, Riglander & Co. No. 70,448; Sept. 1; Gaz. vol. 136; p. 221.
 Sawmills. Gaar, Scott & Co. No. 68,995; May 12; Gaz. vol. 134; p. 510.
 Scales and drafting instruments. Keuffel & Esser Company. No. 68,652; Apr. 21; Gaz. vol. 133; p. 1931.
 Scalp food. M. J. Dodson. No. 67,615; Feb. 11; Gaz. vol. 132; p. 1315.
 Schiedam schnapps, Aromatic. Udolpho Wolfe Company. No. 67,624; Feb. 11; Gaz. vol. 132; p. 1315.
 Scientific instruments, Certain. Heath & Co. No. 69,730; June 30; Gaz. vol. 134; p. 2241.
 Scoops. Norvell-Shapleigh Hardware Company. No. 67,797; Feb. 18; Gaz. vol. 132; p. 1582.
 Screen-like sections, Certain hinged. E. O. Grover. No. 71,468; Nov. 24; Gaz. vol. 137; p. 974.
 Screw and slotting machines. National Acme Mfg. Co. No. 68,864; May 5; Gaz. vol. 134; p. 251.
 Screw-drivers. Henry Disston & Sons. No. 70,857; Oct. 13; Gaz. vol. 136; p. 1527.
 Screw-drivers, Hand-operated. Henry Disston & Sons. No. 71,131; Nov. 3; Gaz. vol. 137; p. 224.
 Seat-pads. J. A. Throckmorton. No. 68,177; Mar. 10; Gaz. vol. 133; p. 509.
 Sedatives and tonics, Nerve. L. H. Leber. No. 71,209; Nov. 10; Gaz. vol. 137; p. 470.
 Seed, Timothy-. Albert Dickinson Company. No. 69,433; June 16; Gaz. vol. 134; p. 1797.
 Seeds. Haskell Implement & Seed Company. No. 70,794; Oct. 6; Gaz. vol. 136; p. 1293.
 Seeds, bulbs, and plants. W. J. Smith. No. 69,335; June 9; Gaz. vol. 134; p. 1557.
 Seeds, Certain. Albert Dickinson Company. No. 69,116; May 19; Gaz. vol. 134; p. 771.
 Seeds, Flower, vegetable, farm, and field. T. W. Wood & Sons. No. 69,255; June 2; Gaz. vol. 134; p. 1293.
 Sewing-machine needles. Illinois Sewing Mch. Co. No. 68,766; Apr. 23; Gaz. vol. 133; p. 2174.
 Sewing-machine needles. Illinois Sewing Machine Co. No. 69,181; May 26; Gaz. vol. 134; p. 1045.
 Sewing-machines. Jones Dry Goods Co. No. 71,908; Dec. 22; Gaz. vol. 137; p. 1934.
 Sewing-machines and attachments. Singer Manufacturing Company. Nos. 69,900-1; July 14; Gaz. vol. 135; p. 446.
 Sewing machines, Fur-. United Sewing Machinery Company. No. 70,086; July 28; Gaz. vol. 135; p. 890.
 Shackling, slaughtering rendering, and drying apparatus, Animal. Wannenwetsch and Co. No. 70,514; Sept. 8; Gaz. vol. 136; p. 434.
 Shades, Folding window-. W. J. Abernethy. No. 72,019; Dec. 29; Gaz. vol. 137; p. 2214.
 Shades, Slatted. A. A. Boeck. No. 69,549; June 23; Gaz. vol. 134; p. 2023.
 Sharpening and polishing material. Sharpine Co. No. 71,318; Nov. 17; Gaz. vol. 137; p. 728.

Alphabetical list of trade-marks—Continued.

- Shears and scythes, Sheep-. Columbian Cutlery Company. No. 68,381; Apr. 7; Gaz. vol. 133; p. 1429.
 Sheet metal. F. A. Howell. No. 67,995; Mar. 3; Gaz. vol. 133; p. 224.
 Sheet metal. Worcester Pressed Steel Company. No. 70,407; Aug. 25; Gaz. vol. 135; p. 1799.
 Sheet-metal umbrella and cane holders. M. Kamenstein. No. 71,338; Nov. 17; Gaz. vol. 137; p. 729.
 Sheet-metal ware, Certain. Atlantic Stamping Company. No. 70,851; Oct. 13; Gaz. vol. 136; p. 1527.
 Sheet-metal ware, Stamped. Central Stamping Company. No. 69,879; July 14; Gaz. vol. 135; p. 426.
 Sheets and pillow-cases. H. W. Baker Linen Company. No. 71,441; Nov. 24; Gaz. vol. 137; p. 973.
 Sheets and sheeting, Waterproof. E. A. Armstrong. No. 71,423; Nov. 24; Gaz. vol. 137; p. 972.
 Sheetings. Jackson Mills. No. 70,887; Oct. 13; Gaz. vol. 136; p. 1528.
 Sheetings and drillings. Pickens Mill. No. 68,314; Mar. 24; Gaz. vol. 133; p. 987.
 Sheetings and drillings. Piedmont Mfg. Co. No. 68,315; Mar. 24; Gaz. vol. 133; p. 988.
 Sheetings and drillings. Pickens Mill. No. 69,526; June 16; Gaz. vol. 134; p. 1799.
 Sheetings and drillings. Exposition Cotton Mills. No. 70,756; Sept. 29; Gaz. vol. 136; p. 1064.
 Sheetings and ready-made sheets, Wide. G. A. Stafford & Co. No. 71,580; Dec. 1; Gaz. vol. 137; p. 1233.
 Sheetings, Bleached and unbleached. Monroe Cotton Mills. No. 71,555; Dec. 1; Gaz. vol. 137; p. 1232.
 Sheetings, Cotton. Indiana Cotton Mills. Nos. 67,743-4; Feb. 18; Gaz. vol. 132; p. 1580.
 Sheetings, Cotton. Indiana Cotton Mills. No. 71,051; Oct. 27; Gaz. vol. 136; p. 1996.
 Sheetings, shirtings, and drills. Heller & Long. Nos. 70,285-6; Aug. 18; Gaz. vol. 135; p. 1578.
 Sheetings, shirtings, drills, &c. China & Japan Trading Company. No. 70,750; Sept. 29; Gaz. vol. 136; p. 1064.
 Shells, Loaded. Union Metallic Cartridge Company. Nos. 71,483-6; Nov. 24; Gaz. vol. 137; p. 974.
 Shells, Paper shot-. Von Lengerke & Detmold. No. 69,556; June 23; Gaz. vol. 134; p. 2023.
 Shells, Paper shot-. Union Metallic Cartridge Company. Nos. 69,933-4; July 21; Gaz. vol. 135; p. 657.
 Shellac substitute. Farbenfabriken vorm. Friedr. Bayer & Co. No. 67,669; Feb. 11; Gaz. vol. 132; p. 1316.
 Shirt and dress waists. Frankenthal Brothers Company. No. 68,045; Mar. 3; Gaz. vol. 133; p. 225.
 Shirt-waists. Stewart, Howe & May Co. No. 70,480; Sept. 8; Gaz. vol. 136; p. 433.
 Shirt-waists and shirt-waist suits. Crescent Manufacturing Company of Delaware. No. 70,572; Sept. 15; Gaz. vol. 136; p. 654.
 Shirt-waists, Ladies' and misses'. Morgan-Anderson Co. No. 70,186; Aug. 11; Gaz. vol. 135; p. 1357.
 Shirts, coats, pants, and vests, Woolen. J. H. Rice & Friedmann Co. No. 69,538; June 16; Gaz. vol. 134; p. 1800.
 Shirts, collars, and cuffs. Earl & Wilson. No. 69,806; July 7; Gaz. vol. 135; p. 214.
 Shirts, collars, and cuffs. Hall, Hartwell & Co. No. 71,022; Oct. 27; Gaz. vol. 136; p. 1995.
 Shirts, drawers, and union suits. H. N. Palmer. No. 70,111; July 28; Gaz. vol. 135; p. 891.
 Shirts, Dress and negligée. J. Lauer. No. 67,236; Jan. 28; Gaz. vol. 132; p. 835.
 Shirts, Dress and negligée. C. M. Flora. No. 70,460; Sept. 1; Gaz. vol. 136; p. 222.
 Shirts, Dress and negligée. Carson Pirie Scott & Co. No. 70,475; Sept. 8; Gaz. vol. 136; p. 433.
 Shirts, Men's work-. Carson Pirie Scott & Co. No. 70,476; Sept. 8; Gaz. vol. 136; p. 433.
 Shirts, Negligée. L. B. Clawson. No. 69,801; July 7; Gaz. vol. 135; p. 214.
 Shirts, Outer. Commercial Shirt Co. No. 67,092; Jan. 14; Gaz. vol. 132; p. 463.
 Shirts, Outer. Yankee Shirt Co. No. 67,106; Jan. 14; Gaz. vol. 132; p. 463.
 Shirts, Outside. Murphy Grant & Co. No. 70,110; July 28; Gaz. vol. 135; p. 891.
 Shoe cleaning and coloring preparation. O. Preu. No. 71,877; Dec. 22; Gaz. vol. 137; p. 1933.
 Shoe-dressings. Overbrook Company. No. 68,398; Apr. 7; Gaz. vol. 133; p. 1429.
 Shoe-linings. Mona Manufacturing Company. No. 68,694; Apr. 21; Gaz. vol. 133; p. 1932.
 Shoe pastes and polishes. J. M. Borland. No. 70,331; Aug. 25; Gaz. vol. 135; p. 1797.
 Shoe-polish. Corry Chemical Co. No. 67,866; Feb. 25; Gaz. vol. 132; p. 1831.
 Shoe-polish. Black Cat Polish Co. No. 70,176; Aug. 11; Gaz. vol. 135; p. 1357.
 Shoe-polishes. Kyle & Company. No. 68,215; Mar. 17; Gaz. vol. 133; p. 757.
 Shoes. W. Edelstein. No. 71,016; Oct. 27; Gaz. vol. 136; p. 1995.
 Shoes and oxfords, Women's leather. Goller Shoe Co. No. 72,001; Dec. 29; Gaz. vol. 137; p. 2213.
 Shoes and slippers, Leather. H. C. Godman Company. No. 70,102; July 28; Gaz. vol. 135; p. 891.
 Shoes and slippers, Leather and cloth. J. P. Grosvenor. No. 70,132; Aug. 4; Gaz. vol. 135; p. 1117.
 Shoes and soles and felt insoles, Leather. Thomas G. Plant Co. No. 69,568; June 23; Gaz. vol. 134; p. 2023.
 Shoes, boots, and slippers, Leather. Arcadia Co-operative Shoe Company. No. 70,327; Aug. 25; Gaz. vol. 135; p. 1797.
 Shoes, Children's leather and canvas. Lamkin and Foster. No. 67,379; Jan. 28; Gaz. vol. 132; p. 839.
 Shoes, Children's leather and cloth. F. A. McGowan. No. 68,339; Mar. 31; Gaz. vol. 133; p. 1183.
 Shoes, Cloth, rubber, and leather. National Shoemakers. No. 70,663; Sept. 22; Gaz. vol. 136; p. 843.
 Shoes, Cloth, leather, and rubber. National Shoemakers. No. 70,764; Sept. 29; Gaz. vol. 136; p. 1064.
 Shoes having rubber soles, Tennis-. National India Rubber Co. No. 68,426; Apr. 7; Gaz. vol. 133; p. 1430.
 Shoes, Infants' and children's leather. Eby Shoe Co. No. 67,667; Feb. 11; Gaz. vol. 132; p. 1316.
 Shoes, Infants' and children's leather. C. J. Peed & Co. No. 69,564; June 23; Gaz. vol. 134; p. 2023.
 Shoes, Leather. Stern & Co. (Incorporated). No. 66,993; Jan. 7; Gaz. vol. 132; p. 228.
 Shoes, Leather. Wayne Shoe Manufacturing Company. No. 67,120-30; Jan. 14; Gaz. vol. 132; p. 464.
 Shoes, Leather. Bielefeld & Spahn. No. 67,221; Jan. 21; Gaz. vol. 132; p. 675.
 Shoes, Leather. R. P. Smith & Sons Co. Nos. 67,383-6; Jan. 28; Gaz. vol. 132; p. 839.
 Shoes, Leather. E. A. Quiri. No. 67,503; Feb. 4; Gaz. vol. 132; p. 1068.
 Shoes, Leather. Starner-Copeland Company. No. 67,676; Feb. 11; Gaz. vol. 132; p. 1316.
 Shoes, Leather. C. G. Smith. No. 68,277; Mar. 17; Gaz. vol. 133; p. 759.
 Shoes, Leather. Val Dutenhofer Sons Co. No. 68,282; Mar. 17; Gaz. vol. 133; p. 759.
 Shoes, Leather. G. Baker and Sons. No. 68,328; Mar. 31; Gaz. vol. 133; p. 1183.
 Shoes, Leather. H. Jacob & Sons. No. 68,338; Mar. 31; Gaz. vol. 133; p. 1183.
 Shoes, Leather. King Bros. Shoe Co. No. 69,154; May 19; Gaz. vol. 134; p. 772.
 Shoes, Leather. Krippendorf-O'Neal Co. No. 69,155; May 19; Gaz. vol. 134; p. 772.
 Shoes, Leather. Wagner Brothers. No. 69,162; May 19; Gaz. vol. 134; p. 772.
 Shoes, Leather. J. Marshall & Ball. No. 69,537; June 16; Gaz. vol. 134; p. 1800.
 Shoes, Leather. H. Schwartz & Bro. No. 70,355; Aug. 25; Gaz. vol. 135; p. 1798.
 Shoes, Leather. Long & Davidson. No. 70,478; Sept. 8; Gaz. vol. 136; p. 433.
 Shoes, Leather. V. K. & A. H. Jones Co. No. 70,562; Sept. 15; Gaz. vol. 136; p. 653.
 Shoes, Leather. Ainsworth Shoe Co. No. 70,684; Sept. 22; Gaz. vol. 136; p. 844.
 Shoes, Leather. R. P. Smith & Sons Co. No. 70,964; Oct. 20; Gaz. vol. 136; p. 1764.
 Shoes, Leather. Sharood Shoe Corporation. No. 72,013; Dec. 29; Gaz. vol. 137; p. 2214.
 Shoes, Leather and canvas. F. M. Hodgdon. No. 69,536; June 16; Gaz. vol. 134; p. 1800.
 Shoes, Leather and canvas. Battreall-Whittinghill Shoe Company. Nos. 70,328-9; Aug. 25; Gaz. vol. 135; p. 1797.
 Shoes manufactured of leather. C. W. Johnson. No. 71,593; Dec. 1; Gaz. vol. 137; p. 1233.
 Shoes, Molders'. F. M. Strahl. No. 71,839; Dec. 15; Gaz. vol. 137; p. 1706.
 Shoes, slippers, and sandals, Leather. J. L. Walker & Co. No. 67,683; Feb. 11; Gaz. vol. 132; p. 1317.
 Shoes, Women's leather. Simmons Boot and Shoe Co. No. 69,311; June 2; Gaz. vol. 134; p. 1294.
 Shoes, Women's leather. D. Davidovitz. No. 71,994; Dec. 29; Gaz. vol. 137; p. 2213.
 Shovels, spades, scoops, and hammers. Supplee Hardware Company. No. 68,025; Mar. 3; Gaz. vol. 133; p. 224.
 Sidewalk, vault, sky, and floor lights. Berger Manufacturing Company. No. 71,253; Nov. 10; Gaz. vol. 137; p. 471.
 Signs, Advertising-. White Cross Tonsorial Co. No. 67,641; Feb. 11; Gaz. vol. 132; p. 1315.
 Silk and silk-mixed piece goods. Susquehanna Silk Mills. No. 67,082; Jan. 14; Gaz. vol. 132; p. 463.
 Silk and silk-mixed piece goods. Susquehanna Silk Mills. No. 71,603; Dec. 8; Gaz. vol. 137; p. 1479.
 Silk, Broad. Laurel Silk Works. Nos. 68,688-90; Apr. 21; Gaz. vol. 133; p. 1932.
 Silk fabrics, Woven. Phalanx Silk Mill. No. 70,765; Sept. 29; Gaz. vol. 136; p. 1064.
 Silk piece goods. Susquehanna Silk Mills. No. 67,081; Jan. 14; Gaz. vol. 132; p. 463.
 Silk piece goods. Valentine & Bentley Silk Co. No. 67,404; Feb. 4; Gaz. vol. 132; p. 1065.
 Silk piece goods. L. & E. Stirm. No. 67,749; Feb. 18; Gaz. vol. 132; p. 1580.
 Silk piece goods. J. Kridel Sons & Co. No. 68,873; May 5; Gaz. vol. 134; p. 251.
 Silk piece goods. Cheney Brothers. No. 68,991; May 12; Gaz. vol. 134; p. 510.
 Silk piece goods. Carson Pirie Scott & Co. No. 70,279; Aug. 18; Gaz. vol. 135; p. 1578.
 Silk piece goods. L. & E. Stirm. No. 70,900; Oct. 13; Gaz. vol. 136; p. 1528.
 Silk piece goods and silk-mixed piece goods. Susquehanna Silk Mills. No. 67,063; Jan. 14; Gaz. vol. 132; p. 462.
 Silk taffeta in the piece, Black. Holmes Silk Company. No. 70,921; Oct. 13; Gaz. vol. 136; p. 1529.
 Silk pongee. L. Erstein & Bro. No. 70,532; Sept. 8; Gaz. vol. 136; p. 434.

Alphabetical list of trade-marks—Continued.

- Silk, wool, and cotton piece goods. W. E. Pantan. No. 68,470; Apr. 7; Gaz. vol. 133; p. 1431.
 Silks and cotton dress goods, Broad. Rogers & Thompson. No. 71,497; Nov. 24; Gaz. vol. 137; p. 975.
 Silks and satins. William Skinner Manufacturing Co. No. 71,089; Oct. 27; Gaz. vol. 136; p. 1997.
 Silks, Broad. M. C. Migel & Co. Nos. 67,746-8; Feb. 18; Gaz. vol. 132; p. 1580.
 Silver and plated ware, Certain. B. Rice's Sons. No. 69,969; July 21; Gaz. vol. 135; p. 658.
 Silver-lead or plumbago foundry-facings and pulverized graphite. United States Graphite Company. No. 66,940; Jan. 7; Gaz. vol. 132; p. 226.
 Silver-plated flat, hollow, and table ware. Wm. A. Rogers. No. 68,369; Mar. 31; Gaz. vol. 133; p. 1184.
 Silver-plated knives, forks, and spoons. Marshall-Wells Hardware Co. No. 71,473; Nov. 24; Gaz. vol. 137; p. 974.
 Silver-plated ware. Wm. A. Rogers. No. 69,548; June 16; Gaz. vol. 134; p. 1800.
 Silver-polish. J. C. Allen. No. 68,593; Apr. 21; Gaz. vol. 133; p. 1929.
 Sinks, Stone. Norcross Co. No. 67,401; Feb. 4; Gaz. vol. 132; p. 1065.
 Size for textile manufactures. R. W. Neff. Nos. 68,710-11; Apr. 28; Gaz. vol. 133; p. 2173.
 Skate attachments. F. D. Kees Mfg. Co. No. 68,170; Mar. 10; Gaz. vol. 133; p. 509.
 Skates, Ice-. Norvell-Shapleigh Hardware Company. No. 68,052; Mar. 3; Gaz. vol. 133; p. 225.
 Skin food. Brighton Chemical Co. No. 70,095; July 28; Gaz. vol. 135; p. 890.
 Skin, Fig-. A. C. Lawrence Leather Co. No. 68,705; Apr. 28; Gaz. vol. 133; p. 2173.
 Skirt and trousers hanger. Frear Novelty Co. No. 67,241; Jan. 28; Gaz. vol. 132; p. 835.
 Skirts and petticoats. Davenport Woolen Mills Co. No. 68,843; Apr. 28; Gaz. vol. 133; p. 2176.
 Skirts, Dress-. J. B. Mally. No. 69,819; July 7; Gaz. vol. 135; p. 214.
 Skylights. G. Drouvé Company. No. 70,395; Aug. 25; Gaz. vol. 135; p. 1799.
 Slate kitchen-sinks, laundry-tubs, and urinals. Portland-Monson Slate Company. No. 68,216; Mar. 17; Gaz. vol. 133; p. 757.
 Sleeve-protectors. C. F. Gardner Printing Co. No. 71,280; Nov. 17; Gaz. vol. 137; p. 727.
 Smalt. W. C. Estes. No. 71,795; Dec. 29; Gaz. vol. 137; p. 2213.
 Smelling-salts, Dry. Michigan Ammonia Works. No. 71,339; Nov. 17; Gaz. vol. 137; p. 729.
 Smokers' articles, Certain. Adolph Frankan & Co. No. 69,874; July 14; Gaz. vol. 135; p. 446.
 Smokers' articles, Certain. M. Feder. No. 70,812; Oct. 6; Gaz. vol. 136; p. 1294.
 Snuff. S. S. Adams. No. 70,158; Aug. 4; Gaz. vol. 135; p. 1118.
 Snuff. Strohmeier & Arpe Company. No. 71,824; Dec. 15; Gaz. vol. 137; p. 1706.
 Soap. Procter & Gamble Company. No. 66,990; Jan. 7; Gaz. vol. 132; p. 227.
 Soap. T. Metzger. No. 67,248; Jan. 28; Gaz. vol. 132; p. 835.
 Soap. N. K. Fairbank Company. No. 67,516; Feb. 4; Gaz. vol. 132; p. 1068.
 Soap. J. S. Harris. No. 67,631; Feb. 11; Gaz. vol. 132; p. 1315.
 Soap. Chemische Werke Hansa Gesellschaft mit beschränkter Haftung. No. 68,043; Mar. 3; Gaz. vol. 133; p. 225.
 Soap. International Chemical Co. No. 68,309; Mar. 24; Gaz. vol. 133; p. 987.
 Soap. Sour Lake Chemical Co. No. 68,366; Mar. 31; Gaz. vol. 133; p. 1184.
 Soap. Manhattan Drug Co. No. 68,424; Apr. 7; Gaz. vol. 133; p. 1430.
 Soap. Wisdom Soap Company. No. 68,432; Apr. 7; Gaz. vol. 133; p. 1430.
 Soap. J. Biechele. No. 68,903; May 5; Gaz. vol. 134; p. 252.
 Soap. D. R. Bradley & Son. No. 69,130; May 19; Gaz. vol. 134; p. 771.
 Soap. Swift & Company. No. 69,140; May 19; Gaz. vol. 134; p. 772.
 Soap. Barclay & Barclay. No. 69,175; May 26; Gaz. vol. 134; p. 1045.
 Soap. W. K. Freeman. No. 69,422; June 16; Gaz. vol. 134; p. 1797.
 Soap. W. K. Freeman. No. 69,561; June 23; Gaz. vol. 134; p. 2023.
 Soap. Louisville Soap Company. No. 70,224; Aug. 11; Gaz. vol. 135; p. 1358.
 Soap. Goodhair Remedy Company. No. 70,332; Aug. 25; Gaz. vol. 135; p. 1797.
 Soap. J. P. Davies Company. No. 70,548; Sept. 15; Gaz. vol. 136; p. 653.
 Soap. M. Werk Co. No. 70,549; Sept. 15; Gaz. vol. 136; p. 653.
 Soap. Gillette Safety Razor Co. No. 70,758; Sept. 29; Gaz. vol. 136; p. 1064.
 Soap. M. E. Taylor. No. 70,777; Sept. 29; Gaz. vol. 136; p. 1065.
 Soap. Iowa Soap Company. No. 70,813; Oct. 6; Gaz. vol. 136; p. 1294.
 Soap. W. M. Griffin Company. No. 70,867; Oct. 13; Gaz. vol. 136; p. 1527.
 Soap. Fisk Mfg. Co. No. 70,937; Oct. 20; Gaz. vol. 136; p. 1763.
 Soap. Consolidated Soap Company. No. 71,011; Oct. 27; Gaz. vol. 136; p. 1995.
 Soap. Soaplake Soap & Mfg. Co. No. 71,721; Dec. 15; Gaz. vol. 137; p. 1703.
 Soap. Enterprise Soap Works. No. 71,873; Dec. 22; Gaz. vol. 137; p. 1933.
 Soap. J. G. Haas Soap Co. No. 72,024; Dec. 29; Gaz. vol. 137; p. 2214.
 Soap, Abrasive. Cudahy Packing Co. No. 68,213; Mar. 17; Gaz. vol. 133; p. 757.
 Soap, Abrasive scouring-. Cudahy Packing Co. No. 68,007; Mar. 3; Gaz. vol. 133; p. 224.
 Soap and soap powder. Summit City Soap Works. No. 70,819; Oct. 6; Gaz. vol. 136; p. 1294.
 Soap and soap powder. Lever Brothers Company. No. 71,026; Oct. 27; Gaz. vol. 136; p. 1995.
 Soap and soap powders. Colgate & Co. No. 68,709; Apr. 28; Gaz. vol. 133; p. 2173.
 Soap, Borated skin-. Gerhard Mennen Chemical Co. No. 71,662; Dec. 8; Gaz. vol. 137; p. 1478.
 Soapchips. J. T. Kenny & Co. No. 71,712; Dec. 15; Gaz. vol. 137; p. 1703.
 Soap, Facial and shaving. Andrew Jergens Co. No. 68,594; Apr. 21; Gaz. vol. 133; p. 1929.
 Soap for laundry and household use. Hunt Bros. Soap Company. No. 67,528; Feb. 4; Gaz. vol. 132; p. 1068.
 Soap in paste form. Bartels Manufacturing Company. No. 70,854; Oct. 13; Gaz. vol. 136; p. 1527.
 Soap, Laundry. Iowa Soap Company. No. 70,105; July 28; Gaz. vol. 135; p. 891.
 Soap, Laundry. Procter & Gamble Company. Nos. 70,550-9; Sept. 15; Gaz. vol. 136; p. 653.
 Soap, Laundry. Procter & Gamble Company. No. 70,580; Sept. 15; Gaz. vol. 136; p. 654.
 Soap, Laundry. Procter & Gamble Company. Nos. 70,767-75; Sept. 29; Gaz. vol. 136; p. 1065.
 Soap, Laundry. Procter & Gamble Company. Nos. 71,398-410; Nov. 24; Gaz. vol. 137; p. 972.
 Soap, Liquid. Maxim Chemical Company. No. 71,304; Nov. 17; Gaz. vol. 137; p. 728.
 Soap, Medicated. J. Biechele. No. 68,904; May 5; Gaz. vol. 134; p. 252.
 Soap, Medicinal. G. F. Smith. No. 71,878; Dec. 22; Gaz. vol. 137; p. 1933.
 Soap, Medicinal and toilet. Robinson Bros. & Company. No. 68,035; Mar. 3; Gaz. vol. 133; p. 225.
 Soap, Medicinal and toilet. Robinson Bros. & Company. No. 68,194; Mar. 10; Gaz. vol. 133; p. 510.
 Soap of all kinds and washing-powder. James Pyle & Sons. No. 71,664; Dec. 8; Gaz. vol. 137; p. 1478.
 Soap, Perfumed. David Brown & Son. No. 69,842; July 14; Gaz. vol. 135; p. 445.
 Soap, Perfumed. C. E. Fulford Limited. No. 70,031; July 28; Gaz. vol. 135; p. 889.
 Soap, Perfumed toilet. E. Palmer. No. 69,032; May 12; Gaz. vol. 134; p. 511.
 Soap, Perfumed toilet. A. & F. Pears Limited. No. 70,853; Oct. 13; Gaz. vol. 136; p. 1527.
 Soap powder used for cleansing purposes. Larkin Co. No. 71,384; Nov. 24; Gaz. vol. 137; p. 971.
 Soap powders. Colgate & Co. No. 68,708; Apr. 28; Gaz. vol. 133; p. 2173.
 Soap, Scouring-. Harral Soap Co. No. 71,963; Dec. 22; Gaz. vol. 137; p. 1935.
 Soap, Toilet. Remmers Soap Co. No. 67,299; Jan. 28; Gaz. vol. 132; p. 837.
 Soap, Toilet. Solon Palmer. No. 68,258; Mar. 17; Gaz. vol. 133; p. 758.
 Soap, Toilet. W. Cooper & Nephews. No. 69,129; May 19; Gaz. vol. 134; p. 771.
 Soap, Toilet. R. C. Morrison. No. 69,848; July 14; Gaz. vol. 135; p. 445.
 Soap, Toilet. Geyserite Manufacturing Company. No. 70,101; July 28; Gaz. vol. 135; p. 891.
 Soaps. Royal Solvent Co. No. 68,036; Mar. 3; Gaz. vol. 133; p. 225.
 Soaps. M. Feigl. No. 68,189; Mar. 10; Gaz. vol. 133; p. 510.
 Soaps. Smith Kline and French Company. No. 68,259; Mar. 17; Gaz. vol. 133; p. 758.
 Soaps. Great Atlantic & Pacific Tea Company. No. 69,425; June 16; Gaz. vol. 134; p. 1797.
 Soaps. L. T. Piver et Cie. No. 69,430; June 16; Gaz. vol. 134; p. 1797.
 Soaps. Ericka Manufacturing Corporation. No. 69,559; June 23; Gaz. vol. 134; p. 2023.
 Soaps. L. T. Piver et Cie. No. 69,711; June 30; Gaz. vol. 134; p. 2240.
 Soaps. Aktiebolaget Barnängens Tekniska Fabrik. No. 70,115; Aug. 4; Gaz. vol. 135; p. 1117.
 Soaps. F. Bagot & Co. No. 70,175; Aug. 11; Gaz. vol. 135; p. 1357.
 Soaps. M. B. Binkley. No. 70,423; Sept. 1; Gaz. vol. 136; p. 221.
 Soaps. E. Wertheimer & Cie. Nos. 70,646-8; Sept. 22; Gaz. vol. 136; p. 843.
 Soaps and washing-powders. F. G. Burke. No. 68,707; Apr. 28; Gaz. vol. 133; p. 2173.
 Soaps and washing-powder. James Pyle & Sons. No. 69,573; June 23; Gaz. vol. 134; p. 2023.

Alphabetical list of trade-marks—Continued.

- Soaps, Soft. C. W. Young & Co. No. 68,261; Mar. 17; Gaz. vol. 133; p. 758.
 Soaps, Toilet. J. B. Williams Company. No. 68,034; Mar. 3; Gaz. vol. 133; p. 225.
 Socket-plugs and automatic electric switches. Electro-Ad Company. No. 70,008; July 21; Gaz. vol. 135; p. 659.
 Socks and stockings. J. H. Clark. No. 68,415; Apr. 7; Gaz. vol. 133; p. 1430.
 Soda, Baking. Church & Dwight Co. No. 71,220; Nov. 10; Gaz. vol. 137; p. 470.
 Soda, Bicarbonate of. J. C. Grant Chemical Company. No. 68,909; May 5; Gaz. vol. 134; p. 252.
 Soda-fountains. Decatur Fountain Company. No. 69,061; May 19; Gaz. vol. 134; p. 769.
 Soda, Washing-. Polk and Calder Drug Company. No. 69,735; June 30; Gaz. vol. 134; p. 2241.
 Soda-water syrup. Maas & Waldstein Extract Company. No. 67,399; Feb. 4; Gaz. vol. 132; p. 1065.
 Soft gelatin capsules, filled and unfilled. Grape Capsule Company. No. 71,356; Nov. 17; Gaz. vol. 137; p. 729.
 Solder. W. H. Finrock. No. 71,491; Nov. 24; Gaz. vol. 137; p. 974.
 Soldering metal. H. L. Condé. No. 68,093; Mar. 10; Gaz. vol. 133; p. 507.
 Soldering paste, salts, and sticks. Commercial Electrical Supply Company. No. 67,851; Feb. 25; Gaz. vol. 132; p. 1831.
 Soles for footwear. Actual Knitting Mills. No. 68,543; Apr. 14; Gaz. vol. 133; p. 1675.
 Soles for slippers. Wool. D. I. Rogon. No. 70,354; Aug. 25; Gaz. vol. 135; p. 1798.
 Sorghum and syrup. Hulman & Co. No. 67,996; Mar. 3; Gaz. vol. 133; p. 224.
 Sorghum-molasses and corn-syrup, Compound of. Schnull & Co. No. 70,439; Sept. 1; Gaz. vol. 136; p. 221.
 Soups, Evaporated. J. W. Spence. No. 70,742; Sept. 29; Gaz. vol. 136; p. 1064.
 Spark-extinguishers. O. V. Hooker & Son. No. 70,288; Aug. 18; Gaz. vol. 135; p. 1578.
 Spark-plugs. Jeffery-Dewitt Company. No. 67,013; Jan. 14; Gaz. vol. 132; p. 461.
 Sparking plugs. D. M. Tuttle. No. 70,404; Aug. 25; Gaz. vol. 135; p. 1799.
 Spectacles and eyeglasses. J. A. Pfeifer. No. 67,518; Feb. 4; Gaz. vol. 132; p. 1068.
 Spectacles and nose-glasses. Welker & Hancock Optical Company. No. 69,543; June 16; Gaz. vol. 134; p. 1800.
 Spectacles, eyeglasses, and their mountings and parts. Bay State Optical Company. No. 69,164; May 26; Gaz. vol. 134; p. 1045.
 Speed-recorders. Recometre Company of America. No. 71,239; Nov. 10; Gaz. vol. 137; p. 470.
 Spelling-blanks. J. C. Blair Company. No. 70,433; Sept. 1; Gaz. vol. 136; p. 221.
 Spices. Woolson Spice Company. No. 67,170; Jan. 21; Gaz. vol. 132; p. 674.
 Spices. W. W. Harper Co. No. 67,943; Feb. 25; Gaz. vol. 132; p. 1833.
 Spices. C. S. Morey Mercantile Company. No. 68,642; Apr. 21; Gaz. vol. 133; p. 1930.
 Spices. J. J. Schotten. No. 69,793; July 7; Gaz. vol. 135; p. 214.
 Spices. Gasser Coffee Company. No. 72,042; Dec. 29; Gaz. vol. 137; p. 2214.
 Spices and flavoring extracts. G. H. Ballou Company. No. 71,162; Nov. 3; Gaz. vol. 137; p. 225.
 Spices and flavoring extracts, Ground. Jones-Paddock Co. No. 71,641; Dec. 8; Gaz. vol. 137; p. 1478.
 Spool-cotton. Sewing Thread Co. Nos. 70,612-15; Sept. 15; Gaz. vol. 136; p. 655.
 Spool-cotton, sewing-cotton, and thread. American Thread Company. No. 71,272; Nov. 17; Gaz. vol. 137; p. 727.
 Sporting goods, Certain. A. J. Reach Company. No. 67,752; Feb. 18; Gaz. vol. 132; p. 1580.
 Sporting goods, Certain. Marshall-Wells Hardware Co. No. 71,390; Nov. 24; Gaz. vol. 137; p. 971.
 Sporting goods, Certain. A. J. Reach Company. No. 71,795; Dec. 15; Gaz. vol. 137; p. 1705.
 Spray fluid for fruit-trees. W. Cooper & Nephews. No. 71,620; Dec. 8; Gaz. vol. 137; p. 1477.
 Squares, dividers, and levels. Marshall-Wells Hardware Co. No. 71,388; Nov. 24; Gaz. vol. 137; p. 971.
 Stain and paint. Hockaday Paint Co. No. 69,343; June 9; Gaz. vol. 134; p. 1557.
 Staples. Standard Rivet Company. No. 68,211; Mar. 17; Gaz. vol. 133; p. 757.
 Starch and blue. H. Becker. No. 68,082; Mar. 10; Gaz. vol. 133; p. 507.
 Starch, Laundry. J. S. Harris. No. 67,691; Feb. 18; Gaz. vol. 132; p. 1579.
 Starch, Laundry. National Starch Company. No. 68,523; Apr. 14; Gaz. vol. 133; p. 1674.
 Starch, Laundry. Union Starch Co. No. 68,528; Apr. 14; Gaz. vol. 133; p. 1674.
 Starch, Laundry. Independent Starch Company. No. 69,587; June 23; Gaz. vol. 134; p. 2024.
 Starch, Laundry. American Maize-Products Company. Nos. 70,386-7; Aug. 25; Gaz. vol. 135; p. 1798.
 Starch, Laundry. National Starch Company. No. 71,511; Dec. 1; Gaz. vol. 137; p. 1231.
 Starch, Laundry. National Starch Co. No. 71,599; Dec. 1; Gaz. vol. 137; p. 1234.
 Starch preparation, Chemical. Amalgamated Gum Company. No. 67,690; Feb. 18; Gaz. vol. 132; p. 1579.
 Starch preparation for finishing textiles and for laundry purposes, Chemical. Amalgamated Gum Company. No. 67,730; Feb. 18; Gaz. vol. 132; p. 1580.
 Starching and washing compounds, Laundry. C. W. Van Zile. No. 70,617; Sept. 15; Gaz. vol. 136; p. 655.
 Stationery, Certain. J. J. Rehbach. No. 68,558; Apr. 14; Gaz. vol. 133; p. 1675.
 Stationery, Certain. A. W. Faber. No. 68,724; Apr. 28; Gaz. vol. 133; p. 2173.
 Stationery, Certain articles of. E. Faber. No. 68,993-4; May 12; Gaz. vol. 134; p. 510.
 Steam-fittings and supplies, Certain. American District Steam Co. No. 69,875; July 14; Gaz. vol. 135; p. 446.
 Steam-traps. William S. Haines Company. No. 71,915; Dec. 22; Gaz. vol. 137; p. 1934.
 Steel. Cammell Laird & Co. No. 68,472; Apr. 14; Gaz. vol. 133; p. 1673.
 Steel. Jonas & Colver. No. 68,479; Apr. 14; Gaz. vol. 133; p. 1673.
 Steel. Crucible Steel Company of America. Nos. 70,808-9; Oct. 6; Gaz. vol. 136; p. 1293.
 Steel and iron. Jonas & Colver. No. 67,115; Jan. 14; Gaz. vol. 132; p. 464.
 Steel and iron. S. Osborn & Co. No. 67,875; Feb. 25; Gaz. vol. 132; p. 1831.
 Steel and partly-wrought castings. S. Osborn & Co. No. 68,482; Apr. 14; Gaz. vol. 133; p. 1673.
 Steel bars, sheets, and plates. Colonial Steel Co. No. 68,969; May 12; Gaz. vol. 134; p. 510.
 Steel bars, sheets, and plates. Colonial Steel Co. No. 69,880; July 14; Gaz. vol. 135; p. 446.
 Steel, Certain. Cammell Laird & Co. No. 68,092; Mar. 10; Gaz. vol. 133; p. 507.
 Stenciling-machines and stencil-sheets. Underwood Typewriter Company. No. 67,655; Feb. 11; Gaz. vol. 132; p. 1316.
 Stereoscopes and graphoscopes. H. C. White Co. No. 70,133; Aug. 4; Gaz. vol. 135; p. 1117.
 Stereoscopic views and photographs. H. C. White Co. No. 68,636; Apr. 21; Gaz. vol. 133; p. 1930.
 Stethoscopes. P. A. Aurness. No. 67,455; Feb. 4; Gaz. vol. 132; p. 1066.
 Stock food. Russell Grain Co. No. 71,558; Dec. 1; Gaz. vol. 137; p. 1232.
 Stock food for live stock, Prepared. Great Western Cereal Company. No. 71,942; Dec. 22; Gaz. vol. 137; p. 1935.
 Stockings. W. F. Taubel. No. 69,204; May 26; Gaz. vol. 134; p. 1046.
 Stogies. J. Richman & Brother. No. 71,240; Nov. 10; Gaz. vol. 137; p. 470.
 Stogies. M. Marsh & Son. No. 71,782; Dec. 15; Gaz. vol. 137; p. 1705.
 Stogies and cigars. Draknel Company. No. 72,063; Dec. 29; Gaz. vol. 137; p. 2215.
 Stomach-bitters. J. R. Harris. No. 71,358; Nov. 17; Gaz. vol. 137; p. 729.
 Stomach-bitters. Wertz & Field. No. 71,362; Nov. 17; Gaz. vol. 137; p. 729.
 Stone and composition for making the same, Artificial. Marblecrete Products Co. No. 70,798; Oct. 6; Gaz. vol. 136; p. 1293.
 Stone, Artificial. Deutsche Steinhilzwerke, Langguth & Platz. No. 69,178; May 26; Gaz. vol. 134; p. 1045.
 Stone, Quarried soap-. Tip Top Soap Stone Company. No. 69,932; July 21; Gaz. vol. 135; p. 657.
 Stone, Rough and cut. Caden Stone Co. No. 71,866; Dec. 15; Gaz. vol. 137; p. 1707.
 Storage-tanks and parts of same. Leader Iron Works. No. 69,100; May 19; Gaz. vol. 134; p. 771.
 Stout and ale. Edward and John Burke. No. 71,806; Dec. 15; Gaz. vol. 137; p. 1706.
 Stove-polish. H. C. Bomhard. No. 68,028; Mar. 3; Gaz. vol. 133; p. 224.
 Stove-polish. United States Graphite Company. No. 69,125; May 17; Gaz. vol. 134; p. 771.
 Stove polish and enamel. Chase, Roberts & Co. No. 70,246; Aug. 18; Gaz. vol. 135; p. 1577.
 Stoves. Bridge & Beach Manufacturing Company. No. 67,902; Feb. 25; Gaz. vol. 132; p. 1832.
 Stoves and heating apparatus, Certain. Buck's Stove & Range Company. No. 70,128; Aug. 4; Gaz. vol. 135; p. 1117.
 Stoves and parts thereof. Buckwalter Stove Co. No. 69,401; June 9; Gaz. vol. 134; p. 1559.
 Stoves and parts thereof. Buckwalter Stove Co. No. 69,500; June 16; Gaz. vol. 134; p. 1799.
 Stoves and ranges. Belknap Hardware & Mfg. Co. No. 67,150; Jan. 21; Gaz. vol. 132; p. 673.
 Stoves and ranges. Orbon Stove and Range Co. No. 67,651; Feb. 11; Gaz. vol. 132; p. 1316.
 Stoves and ranges. Bridge & Beach Manufacturing Company. No. 67,901; Feb. 25; Gaz. vol. 132; p. 1832.
 Stoves and ranges. Bridge & Beach Manufacturing Company. No. 68,067; Mar. 3; Gaz. vol. 133; p. 225.
 Stoves and ranges. Bridge & Beach Manufacturing Company. No. 68,183; Mar. 10; Gaz. vol. 133; p. 510.
 Stoves and ranges. Bridge & Beach Manufacturing Company. No. 68,263; Mar. 17; Gaz. vol. 133; p. 758.
 Stoves and ranges. Bridge & Beach Manufacturing Company. No. 68,263; Mar. 17; Gaz. vol. 133; p. 758.
 Stoves and ranges. A. J. Lindemann & Hoverson Co. No. 69,622; June 23; Gaz. vol. 134; p. 2025.
 Stoves and ranges, Heating and cooking. O. K. Stove & Range Co. No. 69,013; May 12; Gaz. vol. 134; p. 511.
 Stoves and stove parts. Reading Stove Works, Orr Painter & Co. No. 68,174; Mar. 10; Gaz. vol. 133; p. 509.
 Stoves, Certain. Duparquet, Huot & Moneuse Co. No. 67,332; Jan. 28; Gaz. vol. 132; p. 837.

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- Stoves, furnaces, and hot-air heaters. I. A. Sheppard & Co. No. 70,899; Oct. 13; Gaz. vol. 136; p. 1528.
 Stoves, furnaces, and ranges. Cole Manufacturing Company. No. 71,865; Dec. 15; Gaz. vol. 137; p. 1707.
 Stoves, furnaces, and ranges and all parts thereof. Detroit Stove Works. No. 70,366; Aug. 25; Gaz. vol. 135; p. 1798.
 Stoves, Gas-. Gilbert & Barker Mfg. Co. No. 70,599; Sept. 15; Gaz. vol. 136; p. 654.
 Stoves, Heating and cook. F. A. Klaine. No. 71,869; Dec. 15; Gaz. vol. 137; p. 1707.
 Stoves, ranges, and parts thereof. Lincoln Stove and Range Co. No. 68,456; Apr. 7; Gaz. vol. 133; p. 1431.
 Stoves, ranges, furnaces, and radiators. Union Stove Works. No. 68,938; May 5; Gaz. vol. 134; p. 253.
 Stoves, ranges, heaters, and furnaces. Portland Stove Foundry Company. No. 69,016; May 12; Gaz. vol. 134; p. 511.
 Stoves, ranges, heaters, and parts thereof. Comstock Castle Stove Co. No. 67,827; Feb. 18; Gaz. vol. 132; p. 1582.
 Stoves, ranges, lamps, and lanterns. George Tritch Hardware Company. Nos. 68,663-4; Apr. 21; Gaz. vol. 133; p. 1931.
 Straps, Lug-. E. H. Jacobs Manufacturing Company. No. 68,333; Mar. 31; Gaz. vol. 133; p. 1183.
 Straw-cleansing compound. M. J. Bebb. No. 69,908; July 14; Gaz. vol. 135; p. 447.
 Straw fiber or cellulose. National Straw Pulp Co. No. 68,191; Mar. 10; Gaz. vol. 133; p. 510.
 Sugar, Beet-. American Beet Sugar Co. No. 69,222; May 26; Gaz. vol. 134; p. 1646.
 Sugar, Beet-. American Beet Sugar Co. No. 70,042; July 28; Gaz. vol. 135; p. 889.
 Sugar, Beet-. American Beet Sugar Co. Nos. 70,141-2; Aug. 4; Gaz. vol. 135; p. 1117.
 Sugar, Grape-. Corn Products Refining Company. No. 69,224; May 26; Gaz. vol. 134; p. 1946.
 Sugar, Grape and corn. Corn Products Manufacturing Co. No. 69,783; July 7; Gaz. vol. 135; p. 213.
 Sugar-tablets. S. S. Pierce Co. Nos. 69,778-9; July 7; Gaz. vol. 135; p. 213.
 Suits and overcoats, Men's and youths'. Likes, Berwanger & Co. No. 71,186; Nov. 10; Gaz. vol. 137; p. 469.
 Suits for boys and children. I. Frank & Co. No. 67,113; Jan. 14; Gaz. vol. 132; p. 464.
 Suits or rompers, Play-. Sweet Orr & Co. Nos. 71,036-7; Oct. 27; Gaz. vol. 136; p. 1996.
 Suits, pants, and overalls, Men's. Woods Manufacturing Company. No. 71,462; Nov. 24; Gaz. vol. 137; p. 974.
 Suppositories. Bonewell Medicine Co. No. 68,005; Apr. 21; Gaz. vol. 133; p. 1929.
 Surgical apparatus, Certain. Drägerwerk, Heinh. u. Bernh. Dräger. No. 70,427; Sept. 1; Gaz. vol. 136; p. 221.
 Surgical goods and medicine-chests, Certain. Daimler-Motoren-Gesellschaft. No. 71,330; Nov. 17; Gaz. vol. 137; p. 728.
 Suspenders. Ohio Suspender Company. No. 68,073; Mar. 3; Gaz. vol. 133; p. 226.
 Suspenders. Harris Suspender Co. No. 69,729; June 30; Gaz. vol. 134; p. 2241.
 Suspenders. L. Oppenheimer's Sons. No. 71,313; Nov. 17; Gaz. vol. 137; p. 728.
 Suspenders and neckties. Druck Brothers. No. 68,818; Apr. 28; Gaz. vol. 133; p. 2176.
 Suspenders, garment-supporters, garters, and arm-elastics. American Narrow Fabric Company. No. 70,458; Sept. 1; Gaz. vol. 136; p. 222.
 Suspenders, garters, and belts. Monarch Suspender Co. No. 70,538; Sept. 8; Gaz. vol. 136; p. 434.
 Suspenders, garters, belts, and arm-bands. Lockhart-MacBean Company. No. 69,520; June 16; Gaz. vol. 134; p. 1799.
 Suspenders, neckties, and neckscarfs. Tootie Campbell Dry Goods Co. No. 71,077; Oct. 27; Gaz. vol. 136; p. 1997.
 Suspenders, neckties, and scarfs. Tootie Campbell Dry Goods Co. No. 71,455; Nov. 24; Gaz. vol. 137; p. 973.
 Sweat-shields and belts. M. Bernstein. No. 70,825; Oct. 6; Gaz. vol. 136; p. 1294.
 Sweaters. H. Starr. No. 70,479; Sept. 8; Gaz. vol. 136; p. 433.
 Sweeping compound, Chemical. C. D. Witte. No. 67,988; Mar. 3; Gaz. vol. 133; p. 223.
 Sweeping compound, Chemical. H. Burgess. No. 71,800; Dec. 15; Gaz. vol. 137; p. 1705.
 Sweeping compounds. Floor Clean Company. No. 70,789; Oct. 6; Gaz. vol. 136; p. 1293.
 Swings, Chain. Oneida Community. No. 69,671; June 30; Gaz. vol. 134; p. 2239.
 Syringes and surgical irrigators. H. A. Kaysan. No. 68,169; Mar. 10; Gaz. vol. 133; p. 509.
 Syringes, water-bottles, atomizers, and nipples. Tyler Rubber Co. No. 70,495; Sept. 8; Gaz. vol. 136; p. 433.
 Syrup. Ridenour-Baker Grocery Co. No. 69,284; June 2; Gaz. vol. 134; p. 1294.
 Syrup and molasses, Blended corn and cane. Florida-Georgia Syrup Co. No. 68,295; Mar. 24; Gaz. vol. 133; p. 987.
 Syrup and molasses, Compound of refiners'. Pacific Coast Syrup Co. No. 71,395; Nov. 24; Gaz. vol. 137; p. 972.
 Syrup and molasses, Sugar-cane. Florida-Georgia Syrup Co. No. 68,294; Mar. 24; Gaz. vol. 133; p. 987.
 Syrup and sugar, Maple. W. H. Miner. No. 68,850; Apr. 28; Gaz. vol. 133; p. 2177.
 Syrup compounded of corn, cane, and maple. Manierre-Yoe Syrup Company. No. 71,261; Nov. 10; Gaz. vol. 137; p. 471.
 Syrup for carbonated beverages. H. Wheaton & Sons. No. 67,659; Feb. 11; Gaz. vol. 132; p. 1316.
 Syrup for making beverages. S. R. Biggs & Co. No. 71,798; Dec. 15; Gaz. vol. 137; p. 1705.
 Syrup, glucose, stock food, and grape-sugar, Corn-. Corn Products Refining Company. No. 69,784; July 7; Gaz. vol. 135; p. 213.
 Syrup, Maple-. Bennett Company. No. 67,172; Jan. 21; Gaz. vol. 132; p. 674.
 Syrup, Maple-. George Liss & Co. No. 69,074; May 19; Gaz. vol. 134; p. 770.
 Syrup, Maple-. St. Paul Syrup Refining Company. No. 70,441; Sept. 1; Gaz. vol. 136; p. 221.
 Syrup, Maple and white-sugar. Pacific Coast Syrup Co. No. 70,526; Sept. 8; Gaz. vol. 136; p. 434.
 Syrup, Root-beer. Stevens & Dow. No. 71,002; Oct. 20; Gaz. vol. 136; p. 1765.
 Syrup, Table-. Halpen, Green & Co. No. 67,047; Jan. 14; Gaz. vol. 132; p. 462.
 Syrup, Table-. Halpen, Green & Co. No. 67,715; Feb. 18; Gaz. vol. 132; p. 1579.
 Syrups and sugar-creams, Certain. Rigney & Company. No. 72,030; Dec. 29; Gaz. vol. 137; p. 2214.
 Syrups, Blend of cane and maple. Towle Maple Syrup Company. No. 71,654; Dec. 8; Gaz. vol. 137; p. 1478.
 Syrups, Certain. Bliss Syrup Refining Co. No. 71,573; Dec. 1; Gaz. vol. 137; p. 1233.
 Syrups, Soda-water. U. S. Horse Radish Co. No. 70,496; Sept. 8; Gaz. vol. 136; p. 433.
 Tablets, Breath-purifying. G. A. Kruttschnitt. No. 69,747; June 30; Gaz. vol. 134; p. 2241.
 Tablets, Breath-purifying. G. A. Kruttschnitt. No. 69,749; June 30; Gaz. vol. 134; p. 2241.
 Tablets containing olive-oil. F. M. Edwards. No. 70,161; Aug. 4; Gaz. vol. 135; p. 1118.
 Tablets for diseases of the blood and the nervous system. Dr. Hunter Chemical Company. No. 66,905; Jan. 7; Gaz. vol. 132; p. 225.
 Tablets for glossing washable articles. B. B. Gloss Manufacturing Co. No. 71,923; Dec. 22; Gaz. vol. 137; p. 1934.
 Tablets, Headache-. Delmar Drug Co. No. 67,614; Feb. 11; Gaz. vol. 132; p. 1315.
 Tablets, Laxative. F. W. Sultan. No. 67,367; Jan. 28; Gaz. vol. 132; p. 836.
 Tablets, Peppermint. A. Müller. No. 72,029; Dec. 29; Gaz. vol. 137; p. 2214.
 Tackle-blocks and sheaves. Western Block Co. No. 68,770; Apr. 28; Gaz. vol. 133; p. 2174.
 Taffy, Nut-. Trowbridge Chocolate Chip Company. No. 71,216; Nov. 10; Gaz. vol. 137; p. 470.
 Talcum, Certain prepared. Dr. M. Lehmann & Co. No. 67,692; Feb. 18; Gaz. vol. 132; p. 1579.
 Talking-machine recording and reproducing sound-boxes. Victor Talking Machine Company. No. 68,039; Mar. 3; Gaz. vol. 133; p. 225.
 Talking-machine records. Hawthorne & Sheble Manufacturing Company. No. 67,632; Feb. 11; Gaz. vol. 132; p. 1315.
 Talking-machine records. J. O. Prescott. No. 69,967; July 21; Gaz. vol. 135; p. 658.
 Talking-machines. Hawthorne & Sheble Manufacturing Company. No. 67,633; Feb. 11; Gaz. vol. 132; p. 1315.
 Talking-machines and certain parts thereof. General Phonograph Supply Co. No. 68,047; Mar. 3; Gaz. vol. 133; p. 225.
 Tapestries, draperies, and upholstering fabrics. Rosenheim Brothers Co. Nos. 71,315-16; Nov. 17; Gaz. vol. 137; p. 728.
 Tapioca. Parrish Brothers. No. 70,266; Aug. 18; Gaz. vol. 135; p. 1577.
 Tapping-machines for water and gas mains. H. Mueller Manufacturing Company. Nos. 68,336-7; Mar. 31; Gaz. vol. 133; p. 1183.
 Tarts. I. Weitman. No. 68,920; May 5; Gaz. vol. 134; p. 252.
 Tea. G. Lewis and Company. No. 67,745; Feb. 18; Gaz. vol. 132; p. 1580.
 Tea. C. S. Morey Mercantile Company. No. 67,927; Feb. 25; Gaz. vol. 132; p. 1833.
 Tea. Arbuckle Brothers. No. 68,412; Apr. 7; Gaz. vol. 133; p. 1430.
 Tea. C. S. Morey Mercantile Company. No. 68,490; Apr. 14; Gaz. vol. 133; p. 1673.
 Tea. Jones-Paddock Co. No. 68,638; Apr. 21; Gaz. vol. 132; p. 1930.
 Tea. Tange Lashley Co. No. 68,887; May 5; Gaz. vol. 134; p. 252.
 Tea. Delano, Potter & Co. Nos. 69,035-6; May 19; Gaz. vol. 134; p. 769.
 Tea. Standard Import Co. No. 69,051; May 19; Gaz. vol. 134; p. 770.
 Tea. S. S. Pierce Company. No. 69,461; June 16; Gaz. vol. 134; p. 1798.
 Tea. Grand Union Tea Co. No. 69,845; July 14; Gaz. vol. 135; p. 445.
 Tea. C. W. Antrim & Sons. No. 71,371; Nov. 24; Gaz. vol. 137; p. 971.
 Tea. James Van Dyk Company. No. 71,781; Dec. 15; Gaz. vol. 137; p. 1705.
 Tea. Hills Brothers. No. 71,813; Dec. 15; Gaz. vol. 137; p. 1706.
 Tea. A. Koppel. No. 72,025; Dec. 29; Gaz. vol. 137; p. 2214.
 Tea. Ridgways Limited. No. 72,053; Dec. 29; Gaz. vol. 137; p. 2215.
 Tea and coffee. Haas, Baruch & Co. No. 69,025; May 12; Gaz. vol. 134; p. 511.
 Tea and coffee. J. M. Cody. No. 70,786; Oct. 6; Gaz. vol. 136; p. 1293.
 Tea, Blend of Ceylon and Himalayan. Minto Bros. No. 71,307; Nov. 17; Gaz. vol. 137; p. 728.
 Tea, coffee, and chocolate. East India Coffee Company. No. 68,644; Apr. 21; Gaz. vol. 133; p. 1930.

Alphabetical list of trade-marks—Continued.

- Tea, Comprest. R. D. Trimble. No. 71,566; Dec. 1; Gaz. vol. 137; p. 1233.
Tea, flavoring extracts, and spices. E. R. Webster. No. 71,567; Dec. 1; Gaz. vol. 137; p. 1233.
Tea, Herb. J. C. Frese & Co. No. 70,938; Oct. 20; Gaz. vol. 136; p. 1763.
Teas. H. W. De Forest. No. 68,495; Apr. 14; Gaz. vol. 133; p. 1673.
Teas. Great Atlantic and Pacific Tea Company. No. 69,037; May 19; Gaz. vol. 134; p. 769.
Teas. J. C. Siegfried & Co. No. 69,595; June 23; Gaz. vol. 134; p. 2024.
Teas. Foley Bros. & Kelly. No. 71,590; Dec. 1; Gaz. vol. 137; p. 1233.
Teas and coffees. W. McMurray. No. 71,392; Nov. 24; Gaz. vol. 137; p. 972.
Teeth, Composition of matter for the treatment and filling of. H. J. Bowerfind. No. 70,806; Oct. 6; Gaz. vol. 136; p. 1293.
Teeth, Devices used in filling and treating. C. M. Beam. No. 70,651; Sept. 22; Gaz. vol. 136; p. 843.
Teeth, Filling for. C. A. Bertram. No. 68,356; Mar. 31; Gaz. vol. 133; p. 1184.
Teeth, Porcelain. Dentists' Supply Co. No. 70,927; Oct. 20; Gaz. vol. 136; p. 1763.
Teething-syrup. E. C. Berg. No. 71,350; Nov. 17; Gaz. vol. 137; p. 723.
Telegraphic apparatus and electric batteries. J. H. Bunnell & Co. No. 66,927; Jan. 7; Gaz. vol. 132; p. 226.
Telegraphy detectors, Wireless-. Wireless Specialty Apparatus Company. No. 70,587; Sept. 15; Gaz. vol. 136; p. 654.
Telephone attachments. Rector Help-A-Phone Company. No. 70,581; Sept. 15; Gaz. vol. 136; p. 654.
Telephonic apparatus, Certain. H. G. Pape Electric & Mfg. Co. No. 71,943; Dec. 22; Gaz. vol. 137; p. 1935.
Telephonic appliances, apparatus, and parts thereof. National Engineering Corporation. No. 68,200; Mar. 10; Gaz. vol. 133; p. 510.
Telescopes, Prismatic. Rathenower Optische Industrie Anstalt vormals Emil Busch, A. G. No. 69,001; May 12; Gaz. vol. 134; p. 510.
Tents. Abercrombie & Fitch Co. No. 69,864; July 14; Gaz. vol. 135; p. 445.
Tents, awnings, paulins, and felt weather-strips. Duck. Marshall-Wells Hardware Co. No. 71,509; Dec. 1; Gaz. vol. 137; p. 1231.
Textile fabrics, Cotton. Coventry Company. No. 70,873; Oct. 13; Gaz. vol. 136; p. 1528.
Textiles, Certain. John V. Farwell Company. No. 69,319; June 2; Gaz. vol. 134; p. 1295.
Textiles, Certain. Adams Manufacturing Company. No. 70,980; Oct. 20; Gaz. vol. 136; p. 1764.
Textiles, Certain. China & Japan Trading Company. No. 71,655; Dec. 8; Gaz. vol. 137; p. 1478.
Textiles, Certain. China & Japan Trading Company. No. 71,678; Dec. 8; Gaz. vol. 137; p. 1479.
Thread and flax yarn, Linen. Linen Thread Co. No. 68,521; Apr. 14; Gaz. vol. 133; p. 1674.
Thread and spool and sewing cotton. American Thread Company. Nos. 67,859-61; Feb. 25; Gaz. vol. 132; p. 1831.
Thread and spool and sewing cotton. American Thread Company. Nos. 68,791-3; Apr. 28; Gaz. vol. 133; p. 2175.
Thread and yarn. John V. Farwell Company. No. 70,465; Sept. 1; Gaz. vol. 136; p. 222.
Thread and yarn, Cotton. Spool Cotton Company. Nos. 69,651-2; June 23; Gaz. vol. 134; p. 2025.
Thread, Cotton. Blodgett & Orswell Co. Nos. 69,117-21; May 19; Gaz. vol. 134; p. 771.
Thread, Cotton. Blodgett & Orswell Co. No. 71,177; Nov. 10; Gaz. vol. 137; p. 469.
Thread-cutting tools, machines, and devices. Oster Manufacturing Company. No. 70,024; July 21; Gaz. vol. 135; p. 659.
Thread, Lace-. American Thread Company. No. 71,522; Dec. 1; Gaz. vol. 137; p. 1231.
Thread, Silk, cotton, and flax. Nonotuck Silk Company. No. 68,371; Mar. 31; Gaz. vol. 133; p. 1184.
Thread, Silk, cotton, and flax. Nonotuck Silk Company. No. 68,427; Apr. 7; Gaz. vol. 133; p. 1430.
Thread, spool and sewing cotton. American Thread Company. No. 68,855; May 5; Gaz. vol. 134; p. 251.
Thread, spool and sewing cotton, and knitting-yarns. American Thread Company. No. 68,794; Apr. 28; Gaz. vol. 133; p. 2175.
Thread, spool, sewing, knitting, and embroidering cotton. American Thread Company. No. 68,792; Apr. 28; Gaz. vol. 133; p. 2175.
Threading and cutting-off machines. Armstrong Mfg. Co. No. 68,005; Mar. 3; Gaz. vol. 133; p. 224.
Threading and cutting-off machines. D. N. Armstrong. No. 68,201; Mar. 17; Gaz. vol. 133; p. 757.
Thrashing machines, Grain-. Gaar, Scott & Co. No. 70,485; Sept. 8; Gaz. vol. 136; p. 433.
Tickets, Pin-. A. Kimball Co. No. 68,716; Apr. 28; Gaz. vol. 133; p. 2173.
Tickets, Pin-. A. Kimball Co. No. 68,986; May 12; Gaz. vol. 134; p. 510.
Tickings. Amoskeag Manufacturing Company. Nos. 71,953-4; Dec. 22; Gaz. vol. 137; p. 1935.
Ties for wear. J. & J. Cash. No. 69,291; June 2; Gaz. vol. 134; p. 1294.
Timber, logs, lumber, &c. Rees-Scott Company. No. 70,069; July 28; Gaz. vol. 135; p. 890.
Tin andterne plates. Follansbee Brothers Company. No. 67,225; Jan. 21; Gaz. vol. 132; p. 675.
Tin, Roofing-. J. S. Hoy. No. 68,384; Apr. 7; Gaz. vol. 133; p. 1429.
Tin, roofing. J. S. Hoy. Nos. 68,477-8; Apr. 14; Gaz. vol. 133; p. 1673.
Tire-filler. W. H. Sterling. No. 67,941; Feb. 25; Gaz. vol. 132; p. 1833.
Tire-punctures, Preparation for stopping. New Miraculum Corporation. No. 67,584; Feb. 11; Gaz. vol. 132; p. 1314.
Tire-repair plugs. R. P. Kinney. No. 68,831; Apr. 28; Gaz. vol. 133; p. 2176.
Tires and parts thereof, Certain. Continental Caoutchouc Company. No. 68,683; Apr. 21; Gaz. vol. 133; p. 1931.
Tires, boots, and shoes, Rubber. Hood Rubber Co. No. 66,966; Jan. 7; Gaz. vol. 132; p. 227.
Tires, Inner tubes of elastic. Goodyear Tire and Rubber Company. No. 70,658; Sept. 22; Gaz. vol. 136; p. 843.
Tires of rubber and fabric, Automobile and bicycle. Ajax-Grieb Rubber Company. No. 71,861; Dec. 15; Gaz. vol. 137; p. 1707.
Tires, Rubber. Morgan & Wright. No. 67,099; Jan. 14; Gaz. vol. 132; p. 463.
Tires, Rubber. Hannoverische Gummi-Kamm-Compagnie Aktien-Gesellschaft. Nos. 68,550-1; Apr. 14; Gaz. vol. 133; p. 1675.
Tires, Rubber. Manufacturers Supplies Company. Nos. 69,407-8; June 9; Gaz. vol. 134; p. 1559.
Tobacco, Chewing and smoking. American Tobacco Company. No. 67,775; Feb. 18; Gaz. vol. 132; p. 1581.
Tobacco, Chewing and smoking. American Tobacco Company. No. 67,949; Feb. 25; Gaz. vol. 132; p. 1833.
Tobacco, Chewing and smoking. A. J. Livingston. No. 69,184; May 26; Gaz. vol. 134; p. 1045.
Tobacco, Chewing and smoking. Axton-Fisher Tobacco Company. No. 70,072; July 28; Gaz. vol. 135; p. 890.
Tobacco, cigars, and cigarettes. Globe Tobacco Company. No. 67,246; Jan. 28; Gaz. vol. 132; p. 835.
Tobacco, cigars, and cigarettes. Abdulla and Company, Limited. No. 70,157; Aug. 4; Gaz. vol. 135; p. 1118.
Tobacco, cigars, and cigarettes, Smoking and chewing. Globe Tobacco Company. No. 67,024; Jan. 14; Gaz. vol. 132; p. 461.
Tobacco, cigars, cigarettes, and cheroots. C. C. Bogart. No. 67,525; Feb. 4; Gaz. vol. 132; p. 1068.
Tobacco drying, cooling, ordering, or treating machinery. Philadelphia Drying Machinery Company. No. 67,854; Feb. 25; Gaz. vol. 132; p. 1831.
Tobacco, Granulated smoking-. Khedivial Co. No. 70,702; Sept. 29; Gaz. vol. 136; p. 1063.
Tobacco, Leaf-. Lockett-Wake Tobacco Co. No. 72,069; Dec. 29; Gaz. vol. 137; p. 2215.
Tobacco, Plug-. Samuel Reid Tobacco Company. No. 68,262; Mar. 17; Gaz. vol. 133; p. 758.
Tobacco, Plug-. Eagle Tobacco Co. No. 68,992; May 12; Gaz. vol. 134; p. 510.
Tobacco-pouches. Wm. Warne & Co. No. 67,004; Jan. 7; Gaz. vol. 132; p. 228.
Tobacco products, Certain. W. T. Donovan. No. 69,661; June 30; Gaz. vol. 134; p. 2239.
Tobacco products, Certain. C. N. Reed & Co. No. 69,672; June 30; Gaz. vol. 134; p. 2239.
Tobacco products, Certain. L. Liptai. No. 70,603; Sept. 15; Gaz. vol. 136; p. 654.
Tobacco scraps or clippings. C. H. Swertfager, Jr. No. 70,214; Aug. 11; Gaz. vol. 135; p. 1358.
Tobacco, Smoking-. Falk Tobacco Company. No. 66,982; Jan. 7; Gaz. vol. 132; p. 227.
Tobacco, Smoking-. R. W. Ashcroft. Nos. 67,018-19; Jan. 14; Gaz. vol. 132; p. 461.
Tobacco, Smoking-. L. Rees. No. 68,972; May 12; Gaz. vol. 134; p. 510.
Tobacco, Smoking-. Rural Tobacco Co. No. 70,669; Sept. 22; Gaz. vol. 136; p. 844.
Tobacco, Smoking-. A. Strassburger Co. No. 71,607; Dec. 8; Gaz. vol. 137; p. 1477.
Tobacco, Smoking-. G. S. Mahn. No. 71,941; Dec. 22; Gaz. vol. 137; p. 1935.
Tobacco, Smoking and chewing. J. F. Zahm Tobacco Co. No. 69,306; June 2; Gaz. vol. 134; p. 1294.
Tobacco-stems. Kentucky Tobacco Product Co. No. 69,484; June 16; Gaz. vol. 134; p. 1798.
Toffee. Mackintosh's Toffee Company. No. 71,385; Nov. 24; Gaz. vol. 137; p. 971.
Toffee, butter-scotch, and fruit tablets. Hornby Company. No. 71,814; Dec. 15; Gaz. vol. 137; p. 1706.
Toilet cream. W. J. Pechin. No. 71,340; Nov. 17; Gaz. vol. 137; p. 729.
Toilet preparation, Semisolid. H. S. Wellcome. No. 71,267; Nov. 10; Gaz. vol. 137; p. 471.
Toilet preparations and medicines, Certain. Barclay & Barclay. No. 69,798; July 7; Gaz. vol. 135; p. 214.
Toilet preparations, Certain. A. G. Baumgarten. Nos. 67,507-10; Feb. 4; Gaz. vol. 132; p. 1068.
Toilet preparations, Certain. United Drug Company. No. 68,117; Mar. 10; Gaz. vol. 133; p. 508.
Toilet preparations, Certain. George A. Schmidt Company. No. 68,119; Mar. 10; Gaz. vol. 133; p. 508.
Toilet preparations, Certain. Hall & Ruckel. No. 68,240; Mar. 17; Gaz. vol. 133; p. 758.
Toilet preparations, Certain. Puritol Chemical Co. No. 68,625; Apr. 21; Gaz. vol. 133; p. 1930.
Toilet preparations, Certain. F. Wolff & Sohn. No. 68,629; Apr. 21; Gaz. vol. 133; p. 1930.
Toilet preparations, Certain. H. Leclaire. No. 68,747; Apr. 28; Gaz. vol. 133; p. 2174.
Toilet preparations, Certain. A. C. Aydelott. No. 68,950; May 12; Gaz. vol. 134; p. 509.
Toilet preparations, Certain. D. R. Bradley & Son. No. 69,489; June 16; Gaz. vol. 134; p. 1798.
Toilet preparations, Certain. Parisian Institute of Hair Culture & Facial Treatments. No. 69,493; June 16; Gaz. vol. 134; p. 1799.

Alphabetical list of trade-marks—Continued.

- Toilet preparations, Certain. E. Palmer. No. 69,613; June 23; Gaz. vol. 134; p. 2024.
 Toilet preparations, Certain. Zona Toilet Company. No. 69,840; July 7; Gaz. vol. 135; p. 215.
 Toilet preparations, Certain. Zona Toilet Co. No. 70,824; Oct. 6; Gaz. vol. 136; p. 1294.
 Toilet preparations, Certain. G. F. Smith. No. 70,866; Oct. 13; Gaz. vol. 136; p. 1527.
 Toilet preparations, Certain. H. L. Galbraith. No. 71,019; Oct. 27; Gaz. vol. 136; p. 1995.
 Toilet preparations, Certain. V. B. Thomas. No. 71,265; Nov. 10; Gaz. vol. 137; p. 471.
 Toilet-soap paste. F. E. Frost. No. 71,962; Dec. 22; Gaz. vol. 137; p. 1935.
 Toilet waters. A. A. Vantine & Co. No. 70,156; Aug. 4; Gaz. vol. 135; p. 1118.
 Tomato and beef extract. A. H. Landsberger. No. 68,874; May 5; Gaz. vol. 134; p. 251.
 Tomato scalding and washing machines. J. Baker. No. 70,322; Aug. 25; Gaz. vol. 135; p. 1797.
 Tong and fingers, Hog. A. C. Decker. No. 71,084; Oct. 27; Gaz. vol. 136; p. 1997.
 Tonic. F. A. Luyties. No. 69,591; June 23; Gaz. vol. 134; p. 2024.
 Tonic. F. A. Luyties. No. 71,171; Nov. 3; Gaz. vol. 137; p. 225.
 Tonic and remedy for indigestion. J. P. Schmitz. No. 68,352; Mar. 31; Gaz. vol. 133; p. 1184.
 Tonic and stimulant, Nerve. Rio Chemical Co. No. 68,959; May 12; Gaz. vol. 134; p. 509.
 Tonic aperient wine. U. Voisin. No. 71,632; Dec. 8; Gaz. vol. 137; p. 1477.
 Tonic beverage. H. and T. Dailey. No. 67,892; Feb. 25; Gaz. vol. 132; p. 1832.
 Tonic beverage. F. H. Keron. No. 70,731; Sept. 29; Gaz. vol. 136; p. 1064.
 Tonic beverage, Non-alcoholic. Wake Chemical Company. No. 67,921; Feb. 25; Gaz. vol. 132; p. 1833.
 Tonic beverages and syrup therefor. Phos-Ferrone Manufacturing Co. No. 67,100; Jan. 14; Gaz. vol. 132; p. 463.
 Tonic, Celery. Century Chemical Co. No. 70,409; Aug. 25; Gaz. vol. 135; p. 1799.
 Tonic for the blood, Liquid. W. Southworth. No. 68,125; Mar. 10; Gaz. vol. 133; p. 508.
 Tonic, hair-tonic, liniment, and tooth-wash, General. Pompeian Company. No. 70,608; Sept. 15; Gaz. vol. 136; p. 655.
 Tonic, Iron. S. Albert. No. 70,932; Oct. 20; Gaz. vol. 136; p. 1763.
 Tonic laxatives. F. H. Green. No. 67,971; Mar. 3; Gaz. vol. 133; p. 223.
 Tonic preparation. S. Moffitt. No. 69,137; May 19; Gaz. vol. 134; p. 772.
 Tonic, Scalp-. Knowlton Dandierine Co. No. 67,416; Feb. 4; Gaz. vol. 132; p. 1065.
 Tonic, Stock and poultry. Netro Chemical Co. No. 68,444; Apr. 7; Gaz. vol. 133; p. 1430.
 Tonic, Uterine. Davis Chemical Company. No. 67,540; Feb. 11; Gaz. vol. 132; p. 1313.
 Tonics. C. P. Gieraltowski. No. 67,133; Jan. 21; Gaz. vol. 132; p. 673.
 Tonics. Barnes & Hille. No. 69,377; June 9; Gaz. vol. 134; p. 1558.
 Tonics. J. J. Laufer. No. 69,750; June 30; Gaz. vol. 134; p. 2241.
 Tonics or bitters, Stomach. P. De Vecchi. No. 67,967; Mar. 3; Gaz. vol. 133; p. 223.
 Tonics, Skin-. B. Rochow. No. 68,114; Mar. 10; Gaz. vol. 133; p. 508.
 Tonics, Stock-. Stock Food Company of America. No. 67,366; Jan. 28; Gaz. vol. 132; p. 838.
 Tool-handles, Iron. Stanley Rule & Level Company. No. 67,226; Jan. 21; Gaz. vol. 132; p. 675.
 Tools and cutlery, Certain. Seattle Hardware Company. No. 70,002; July 21; Gaz. vol. 135; p. 659.
 Tools and handles, Certain. Belknap Hardware and Manufacturing Co. No. 70,312; Aug. 18; Gaz. vol. 135; p. 1579.
 Tools and tool-handles, Certain. Moore & Handley Hardware Company. No. 68,728; Apr. 28; Gaz. vol. 133; p. 2173.
 Tools and tool parts, Certain. George Nash Company. No. 69,341; June 9; Gaz. vol. 134; p. 1557.
 Tools, Certain. Fayette R. Plumb, Incorporated. No. 67,211; Jan. 21; Gaz. vol. 132; p. 675.
 Tools, Certain. A. Baldwin & Co. No. 67,848; Feb. 25; Gaz. vol. 132; p. 1831.
 Tools, Certain. Chillington Tool Company. No. 67,850; Feb. 25; Gaz. vol. 132; p. 1831.
 Tools, Certain. Simmons Hardware Company. No. 67,856; Feb. 25; Gaz. vol. 132; p. 1831.
 Tools, Certain. Norvell-Shapleigh Hardware Company. No. 68,014; Mar. 3; Gaz. vol. 133; p. 224.
 Tools, Certain. Geo. F. Eberhard Company. No. 68,475; Apr. 14; Gaz. vol. 133; p. 1673.
 Tools, Certain. J. Lopez y Arechavala. No. 68,480; Apr. 14; Gaz. vol. 133; p. 1673.
 Tools, Certain. Cincinnati Tool Co. No. 68,720; Apr. 28; Gaz. vol. 133; p. 2173.
 Tools, Certain. Moore & Handley Hardware Company. No. 68,729; Apr. 28; Gaz. vol. 133; p. 2173.
 Tools, Certain. Peter Stubs, Limited. Nos. 68,731-2; Apr. 28; Gaz. vol. 133; p. 2173.
 Tools, Certain. Ashcroft Manufacturing Company. No. 68,988; May 12; Gaz. vol. 134; p. 510.
 Tools, Certain. J. Faessler Manufacturing Co. No. 68,996; May 12; Gaz. vol. 134; p. 510.
 Tools, Certain. Butler Brothers. No. 70,073; July 28; Gaz. vol. 135; p. 890.
 Tools, Certain. Simmons Hardware Company. No. 70,084; July 28; Gaz. vol. 135; p. 890.
 Tools, Certain. T. R. Ellin. Nos. 70,239-40; Aug. 11; Gaz. vol. 135; p. 1358.
 Tools, Certain. J. B. Hasenclever & Sohne. Nos. 70,347-50; Aug. 25; Gaz. vol. 135; p. 1797.
 Tools, Certain. Collins Company. Nos. 70,752-3; Sept. 29; Gaz. vol. 136; p. 1064.
 Tools, Certain. Whiton Hardware Co. No. 71,269; Nov. 10; Gaz. vol. 137; p. 471.
 Tools, Certain. American Axe & Tool Co. No. 71,845; Dec. 15; Gaz. vol. 137; p. 1707.
 Tools, Certain cutting-. S. Osborn & Co. No. 69,486; June 16; Gaz. vol. 134; p. 1798.
 Tools, Certain hand-. Chillington Tool Co. No. 68,006; Mar. 3; Gaz. vol. 133; p. 224.
 Tools, Certain hand-. Cronk & Carrier Mfg. Co. No. 68,721; Apr. 28; Gaz. vol. 133; p. 2173.
 Tools, Certain hand-. Chillington Tool Company. No. 70,159; Aug. 4; Gaz. vol. 135; p. 1118.
 Tools, Certain machine-. Cammell Laird & Co. Nos. 68,491-2; Apr. 14; Gaz. vol. 133; p. 1673.
 Tooth-cleaning preparation in tablet form. A. Westlake. No. 67,034; Jan. 14; Gaz. vol. 132; p. 461.
 Tooth-filling, Composition. J. A. Sprague & Company. No. 69,413; June 9; Gaz. vol. 134; p. 1559.
 Tooth-filling, Gold. S. S. White Mfg. Co. No. 68,846; Apr. 28; Gaz. vol. 133; p. 2176.
 Tooth-paste. Reynolds & Lehr. No. 69,897; July 14; Gaz. vol. 135; p. 446.
 Tooth-paste. Kiewe & Co. No. 69,946; July 21; Gaz. vol. 135; p. 657.
 Tooth-paste. W. A. Wood. No. 70,455; Sept. 1; Gaz. vol. 136; p. 222.
 Tooth-paste and tooth-wash. G. A. Swartwout. No. 71,723; Dec. 15; Gaz. vol. 137; p. 1703.
 Toothpicks, Wooden. O. H. Hersey. No. 70,370; Aug. 25; Gaz. vol. 135; p. 1798.
 Tops. Strobel & Wilken Co. No. 68,769; Apr. 28; Gaz. vol. 133; p. 2174.
 Tops. Milton Bradley Co. No. 68,863; May 5; Gaz. vol. 134; p. 251.
 Tops, Double. E. Vuillaume. No. 70,155; Aug. 4; Gaz. vol. 135; p. 1118.
 Tops, Whirling. Paris Novelty Co. No. 69,167; May 26; Gaz. vol. 134; p. 1045.
 Toy figures. Sackman Brothers Co. No. 69,449; June 16; Gaz. vol. 134; p. 1797.
 Toy wagon. J. A. Sherry. No. 70,296; Aug. 18; Gaz. vol. 135; p. 1578.
 Toy whistles. J. F. Perrey. No. 71,396; Nov. 24; Gaz. vol. 137; p. 972.
 Toys, Certain. M. Lindsay Rubber Manufacturing Company. No. 67,029; Jan. 14; Gaz. vol. 132; p. 461.
 Toys, Certain rubber. Hannoverische Gummi-Kamm-Compagnie Actien-Gesellschaft. No. 71,050; Oct. 27; Gaz. vol. 136; p. 1996.
 Toys, Weighted figure. A. Schoenhut Company. No. 70,564; Sept. 15; Gaz. vol. 136; p. 653.
 Tracing-cloth. L. & C. Hardtmuth. No. 67,436; Feb. 4; Gaz. vol. 132; p. 1066.
 Tracing-cloth. Winterbottom Book Cloth Company. No. 70,087; July 28; Gaz. vol. 135; p. 890.
 Transom-lifters. Payson Manufacturing Company. No. 70,375; Aug. 25; Gaz. vol. 135; p. 1798.
 Traps, Animal-. Oneida Community. No. 68,999; May 12; Gaz. vol. 134; p. 510.
 Treatises on medicines and supplements thereto. Physicians Publishing Company. No. 67,340; Jan. 28; Gaz. vol. 132; p. 838.
 Trees, Chestnut-. C. K. Sober. No. 70,560; Sept. 15; Gaz. vol. 136; p. 653.
 Trees, Spray for fruit-. W. Cooper & Nephews. No. 71,633; Dec. 8; Gaz. vol. 137; p. 1477.
 Trimmings and braids, Fancy. Dollfus-Mieg & Cie. Société anonyme. Nos. 71,937-9; Dec. 22; Gaz. vol. 137; p. 1935.
 Troche or tablet. Verno Co. No. 70,169; Aug. 4; Gaz. vol. 135; p. 1118.
 Trousers. G. Siebert. No. 67,571; Feb. 11; Gaz. vol. 132; p. 1314.
 Trousers. Washington Woolen Mills. No. 68,888; May 5; Gaz. vol. 134; p. 252.
 Trout-flies. J. N. Kline. No. 71,234; Nov. 10; Gaz. vol. 137; p. 470.
 Truck bolsters, Car-. Pressed Steel Car Company. No. 67,604; Feb. 11; Gaz. vol. 132; p. 1314.
 Truss-pads. Chesterman & Streeter. No. 67,459; Feb. 4; Gaz. vol. 132; p. 1067.
 Turpentine substitute. Patton Paint Company. No. 68,074; Mar. 3; Gaz. vol. 133; p. 226.
 Turpentine substitute. Painters Products Company. No. 70,897; Oct. 13; Gaz. vol. 136; p. 1528.
 Turpentine substitutes. Chas. H. Moore Oil Company. No. 68,473; Apr. 14; Gaz. vol. 133; p. 1673.
 Twine. Ashaway Line & Twine Manuf'g Co. No. 70,871; Oct. 13; Gaz. vol. 136; p. 1528.
 Twine and cord. Linen Thread Company. No. 68,392; Apr. 7; Gaz. vol. 133; p. 1429.
 Twines. Overman & Schrader Cordage Co. No. 68,893; May 5; Gaz. vol. 134; p. 252.
 Twines. Cable Flax Mills. No. 70,044; July 28; Gaz. vol. 135; p. 889.

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- Type, Fonts of. American Type Founders Company. No. 68,378; Apr. 7; Gaz. vol. 133; p. 1429.
 Type-writer ribbons and carbon-paper. Kee Lox Manufacturing Company. No. 69,307; June 2; Gaz. vol. 134; p. 1294.
 Type-writers and parts thereof. Fox Typewriter Co. No. 71,600; Dec. 8; Gaz. vol. 137; p. 1478.
 Type-writing machines. Elliott-Fisher Co. No. 67,245; Jan. 28; Gaz. vol. 132; p. 835.
 Type-writing machines. J. W. Bamberger & Co. No. 67,456; Feb. 4; Gaz. vol. 132; p. 1067.
 Type-writing machines. Sun Typewriter Company. No. 71,321; Nov. 17; Gaz. vol. 137; p. 728.
 Type-writing machines and parts thereof. Underwood Typewriter Company. No. 68,292; Mar. 24; Gaz. vol. 133; p. 987.
 Type-writing machines and parts thereof. Underwood Typewriter Company. No. 68,628; Apr. 21; Gaz. vol. 133; p. 1930.
 Umbrellas and parasols. Kraut & Finver Bros. No. 67,298; Jan. 28; Gaz. vol. 132; p. 837.
 Umbrellas and parasols. W. H. Beehler. No. 71,276; Nov. 17; Gaz. vol. 137; p. 727.
 Umbrellas and parts thereof. Lycoming Wireless Umbrella Co. No. 70,736; Sept. 29; Gaz. vol. 136; p. 1064.
 Underclothing, Certain. Utica Knitting Company. No. 71,859; Dec. 15; Gaz. vol. 137; p. 1707.
 Undergarments, Ladies' combination. A. Mayer. No. 71,202; Nov. 10; Gaz. vol. 137; p. 469.
 Undergarments, Muslin. Rice-Stix Dry Goods Company. No. 67,570; Feb. 11; Gaz. vol. 132; p. 1313.
 Undershirts and drawers. F. Condé. No. 71,991; Dec. 29; Gaz. vol. 137; p. 2213.
 Undershirts and underdrawers, "union suits." Nazareth Waist Co. No. 71,532; Dec. 1; Gaz. vol. 137; p. 1232.
 Undershirts, drawers, and pajamas. Tim & Co. No. 70,977; Oct. 20; Gaz. vol. 136; p. 1764.
 Undershirts, drawers, hose, and stockings. J. A. Lamy Manufacturing Company. No. 68,802; Apr. 28; Gaz. vol. 133; p. 2175.
 Underskirts and overskirts of cotton, silk, and mixed fabrics. R. Strahl. No. 70,201; Aug. 11; Gaz. vol. 135; p. 1357.
 Underwear and corsets, Muslin. Younker Bros. No. 68,889; May 5; Gaz. vol. 134; p. 252.
 Underwear, Knitted ribbed. Union Knitting Company. No. 71,971; Dec. 22; Gaz. vol. 137; p. 1935.
 Underwear, Merino. Medlicott Company. No. 69,373; June 9; Gaz. vol. 134; p. 1558.
 Underwear, Ribbed. Southdown Knitting Co. Nos. 67,302-3; Jan. 28; Gaz. vol. 132; p. 837.
 Valves. Knudsen von Kothén Mfg. Co. No. 69,442; June 16; Gaz. vol. 134; p. 1797.
 Valves. Phelps Brothers Company. No. 69,896; July 14; Gaz. vol. 135; p. 446.
 Valves. Lunkenheimer Company. No. 70,450; Sept. 1; Gaz. vol. 136; p. 221.
 Valves and low-water indicators. Detroit Lubricator Co. No. 68,760; Apr. 28; Gaz. vol. 133; p. 2174.
 Valves and parts thereof. Star Brass Manufacturing Company. No. 70,085; July 28; Gaz. vol. 135; p. 890.
 Valves and valve-fittings. H. W. Wortche. No. 68,772; Apr. 28; Gaz. vol. 133; p. 2174.
 Valves for kegs, barrels, &c. Golden Gate Manufacturing Company. No. 70,574; Sept. 15; Gaz. vol. 136; p. 654.
 Varnishes. Twin City Varnish Company. No. 69,350; June 9; Gaz. vol. 134; p. 1557.
 Varnishes and stains and sets of the same. B. L. Anderson. No. 68,987; May 12; Gaz. vol. 134; p. 510.
 Varnishes, enamels, and paints. Thomson Wood Finishing Co. No. 67,845; Feb. 18; Gaz. vol. 132; p. 1583.
 Varnishes, japans, lacquers, &c. Cleveland Varnish Company. No. 70,301; Aug. 18; Gaz. vol. 135; p. 1578.
 Varnishes, japans, lacquers, and enamels. Cleveland Varnish Company. No. 70,638; Sept. 22; Gaz. vol. 136; p. 843.
 Vegetable compounds, Certain. E. P. Siccardi. No. 67,422; Feb. 4; Gaz. vol. 132; p. 1066.
 Vegetables and fruit, Dehydrated. American Dehydrating Company. No. 67,990; Mar. 3; Gaz. vol. 133; p. 223.
 Vegetables, Fresh. Long Island Potato Exchange. No. 71,583; Dec. 1; Gaz. vol. 137; p. 1233.
 Vehicle dust-cloths and covers and lap-robes. Cravenette Company. No. 71,957; Dec. 22; Gaz. vol. 137; p. 1935.
 Vehicle wheels and gears. Muncie Wheel & Jobbing Company. No. 70,435; Sept. 1; Gaz. vol. 136; p. 221.
 Vehicles and boats, Certain road. Daimler-Motoren-Gesellschaft. No. 68,925; May 5; Gaz. vol. 134; p. 253.
 Vehicles and parts thereof, Certain. Birmingham Small Arms Co. No. 69,725; June 30; Gaz. vol. 134; p. 2241.
 Vehicles and parts thereof, Certain. Daimler-Motoren-Gesellschaft. No. 69,756; June 30; Gaz. vol. 134; p. 2241.
 Vehicles, Certain. Durant-Dort Carriage Company. No. 71,805; Dec. 15; Gaz. vol. 137; p. 1705.
 Veilings, Netted. Steiner, Rosenstein & Traub. No. 67,537; Feb. 4; Gaz. vol. 132; p. 1069.
 Veilings, Woven. L. Erstein & Bro. No. 68,464; Apr. 7; Gaz. vol. 133; p. 1431.
 Velvetene. Mechanische Weberei zu Linden. No. 67,948; Feb. 25; Gaz. vol. 132; p. 1833.
 Velvetene. Mechanische Weberei zu Linden. No. 68,199; Mar. 10; Gaz. vol. 133; p. 510.
 Velvetene. J. Hallworth & Son. No. 70,759; Sept. 29; Gaz. vol. 136; p. 1064.
 Velvets, Cotton. L. Roessel & Co. No. 70,839; Oct. 6; Gaz. vol. 136; p. 1294.
 Vending-machines. Hilo Gum Company. No. 69,662; June 30; Gaz. vol. 134; p. 2239.
 Vermia-exterminator. C. M. Hart. No. 67,210; Jan. 21; Gaz. vol. 132; p. 675.
 Vermuth. Noilly Prat & Cie. No. 68,783; Apr. 28; Gaz. vol. 133; p. 2175.
 Vessel-closures. Chellis-Hillman Company. No. 67,594; Feb. 11; Gaz. vol. 132; p. 1314.
 Veterinary dilators and impregnators. I. O. Crittenden. No. 70,280; Aug. 18; Gaz. vol. 135; p. 1578.
 Veterinary remedy. A. Aarons. No. 71,904; Dec. 22; Gaz. vol. 137; p. 1934.
 Veterinary worm-powders. C. F. Cutler. No. 69,803; July 7; Gaz. vol. 135; p. 214.
 Vibrators, Mechanical. F. R. Muenzenberger. No. 68,553; Apr. 14; Gaz. vol. 133; p. 1675.
 Vinegar and canned fruits and vegetables. Ridenour Baker Grocery Co. No. 67,444; Feb. 4; Gaz. vol. 132; p. 1066.
 Vinegar, Malt-. Grimble & Co. No. 70,723; Sept. 29; Gaz. vol. 136; p. 1063.
 Vulcanized fiber. American Vulcanized Fibre Company. No. 70,245; Aug. 18; Gaz. vol. 135; p. 1577.
 Wafers. F. Marchiony. No. 71,649; Dec. 8; Gaz. vol. 137; p. 1478.
 Wafers, biscuits, crackers, cakes, and bread. Perfection Biscuit Company. No. 70,629; Sept. 15; Gaz. vol. 136; p. 655.
 Wagon and other vehicle springs. Indianapolis Bolster Spring Co. No. 71,379; Nov. 24; Gaz. vol. 137; p. 971.
 Wagon end-gates, Farm-. Litchfield Mfg. Co. No. 69,869; July 14; Gaz. vol. 135; p. 445.
 Wagons, Farm and truck. Turnbull Wagon Company. No. 67,606; Feb. 11; Gaz. vol. 132; p. 1314.
 Waists and shirt-waist suits. E. Isaacs & Co. No. 71,023; Oct. 27; Gaz. vol. 136; p. 1995.
 Waists and shirt-waists, Ladies' dress-. S. Schlein. No. 69,374; June 9; Gaz. vol. 134; p. 1558.
 Waists and wash suits, Ladies'. Teller, Sternfeld & Company. No. 70,561; Sept. 15; Gaz. vol. 136; p. 653.
 Wall-coatings. Muralo Company. No. 70,959; Oct. 20; Gaz. vol. 136; p. 1764.
 Wall-finish powder. Benjamin Moore & Company. No. 69,301; June 2; Gaz. vol. 134; p. 1294.
 Walls and ceilings, Decorative fabrics for. Sanatile Company. No. 70,610; Sept. 15; Gaz. vol. 136; p. 655.
 Washboards. American Washboard Company. No. 67,802; Feb. 25; Gaz. vol. 132; p. 1831.
 Washboards. S. Hamill Company. No. 70,509; Sept. 8; Gaz. vol. 136; p. 434.
 Washing and cleaning tablets. H. K. Hottenstein Company. No. 70,034; July 28; Gaz. vol. 135; p. 889.
 Washing-bluing. Indiana Ultramarine Company. No. 71,359; Nov. 17; Gaz. vol. 137; p. 729.
 Washing-machines. Richmond Cedar Works. No. 66,952; Jan. 7; Gaz. vol. 132; p. 226.
 Washing-machines. Eagle Tool Co. No. 68,008; Mar. 3; Gaz. vol. 133; p. 224.
 Washing-machines. Horton Manufacturing Company. No. 70,880; Oct. 13; Gaz. vol. 136; p. 1528.
 Washing-machines. International Factories Co. No. 71,205; Nov. 10; Gaz. vol. 137; p. 469.
 Washing-machines and parts thereof. Hibbard, Spencer, Bartlett & Company. No. 67,112; Jan. 14; Gaz. vol. 132; p. 468.
 Washing-machines and parts thereof. Hibbard, Spencer, Bartlett & Company. No. 71,663; Dec. 8; Gaz. vol. 137; p. 1478.
 Washing-powder. James Fyle & Sons. Nos. 71,665-6; Dec. 8; Gaz. vol. 137; p. 1478.
 Washing-powder for laundry purposes, Chemical. L. F. Mangis. No. 67,981; Mar. 3; Gaz. vol. 133; p. 223.
 Washing-powder, Naphtha. American Commercial Company. No. 71,369; Nov. 24; Gaz. vol. 137; p. 971.
 Waste. J. Milton Hagy Waste Works. No. 71,380; Nov. 24; Gaz. vol. 137; p. 971.
 Watch-movements. Elgin National Watch Company. No. 69,391; June 9; Gaz. vol. 134; p. 1558.
 Watch-movements. Elgin National Watch Company. No. 69,677; June 30; Gaz. vol. 134; p. 2239.
 Watches. South Bend Watch Company. No. 67,959; Feb. 25; Gaz. vol. 132; p. 1834.
 Watches. E. Howard Watch Co. No. 71,680; Dec. 8; Gaz. vol. 137; p. 1479.
 Watches. Sproehle & Company. No. 71,970; Dec. 22; Gaz. vol. 137; p. 1935.
 Watches and clocks. Western Clock Mfg. Co. No. 69,766; July 7; Gaz. vol. 135; p. 213.
 Watches and watch-movements. B. L. Strasburger & Co. Nos. 66,998-67,001; Jan. 7; Gaz. vol. 132; p. 2-8.
 Watches and watch-movements. J. Racine and Company. No. 69,681; June 30; Gaz. vol. 134; p. 2239.
 Watches, watch cases and movements. American-Swiss Watch Co. No. 68,377; Apr. 7; Gaz. vol. 133; p. 1429.
 Watches, watch cases and movements. Cie Des Montres Invar. No. 68,607; Apr. 21; Gaz. vol. 133; p. 1929.
 Watches, watch cases and movements. Langendorf Watch Co. No. 69,553; June 23; Gaz. vol. 134; p. 2023.
 Watches, watch cases and movements. American-Swiss Watch Co. No. 70,931; Oct. 20; Gaz. vol. 136; p. 1763.
 Watches, watch-movements, and parts thereof. Hampden Watch Co. No. 71,851; Dec. 15; Gaz. vol. 137; p. 1707.
 Watchcases. Solidarity Watch Case Company. Nos. 69,292-3; June 2; Gaz. vol. 134; p. 1294.
 Watchmakers' tools. Kendrick & Davis. No. 70,993; Oct. 20; Gaz. vol. 136; p. 1765.
 Water, Aerated and still. Red Rock Spring Water Co. No. 70,167; Aug. 4; Gaz. vol. 135; p. 1118.
 Water and ginger-ale, Mineral. Waukesha Arcadian Co. No. 68,354; Mar. 31; Gaz. vol. 133; p. 1184.

Alphabetical list of trade-marks—Continued.

- Water, Bottled spring-. A. P. Gardiner. No. 68,725; Apr. 28; Gaz. vol. 133; p. 2173.
 Water, Carbonated or aerated. Ironite Company. No. 69,704; June 30; Gaz. vol. 134; p. 2240.
 Water-closet bowls and lavatories, Vitreous china. John Douglas Co. No. 70,009; July 21; Gaz. vol. 135; p. 659.
 Water-closet seats and tanks. W. Heap & Sons. Nos. 68,094-5; Mar. 10; Gaz. vol. 133; p. 507.
 Water-closets. Cochran, Drugan & Co. No. 71,936; Dec. 22; Gaz. vol. 137; p. 1935.
 Water-coolers, ice-cream freezers, ice-boxes, and refrigerators. Nash Hardware Co. No. 71,598; Dec. 1; Gaz. vol. 137; p. 1234.
 Water-gages. Detroit Lubricator Co. No. 69,105; May 19; Gaz. vol. 134; p. 771.
 Water heaters and tanks, Certain. Kellogg-Mackay-Cameron Co. No. 67,479; Feb. 4; Gaz. vol. 132; p. 1067.
 Water-meters. Builders Iron Foundry. No. 67,950; Feb. 25; Gaz. vol. 132; p. 1833.
 Water, Mineral. Glenn Springs Company. No. 67,909; Feb. 25; Gaz. vol. 132; p. 1832.
 Water, Mineral. Cold Spring Mineral Water Co. No. 68,301; Mar. 24; Gaz. vol. 133; p. 987.
 Water, Mineral. W. J. Perdue. No. 68,500; Apr. 14; Gaz. vol. 133; p. 1673.
 Water, Mineral. Winola Oil Gas Development and Improvement Company. No. 68,703; Apr. 21; Gaz. vol. 133; p. 1932.
 Water, Natural mineral. P. P. Maurin. Nos. 70,835-7; Oct. 6; Gaz. vol. 136; p. 1294.
 Water, Natural mineral. T. Tomlinson. No. 71,792; Dec. 15; Gaz. vol. 137; p. 1705.
 Waters and carbonated beverages. Mineral. Borello Bros. No. 67,326; Jan. 28; Gaz. vol. 132; p. 837.
 Waters, Artificial mineral. W. T. Wagner's Sons. No. 70,920; Oct. 13; Gaz. vol. 136; p. 1529.
 Waters, Laxative mineral. Igmanti Import Company. No. 67,673; Feb. 11; Gaz. vol. 132; p. 1316.
 Waters, Mineral. L. Smith. No. 67,898; Feb. 25; Gaz. vol. 132; p. 1832.
 Waters, Mineral, carbonated, and aerated. Glenn Springs Company. No. 67,397; Feb. 4; Gaz. vol. 132; p. 1065.
 Waters, Natural mineral. Birresborner Mineralbrunnen H. Löhr & Eylert. No. 69,944; July 21; Gaz. vol. 135; p. 657.
 Waters, Table-. J. Ries. No. 67,402; Feb. 4; Gaz. vol. 132; p. 1065.
 Waters, Table-. W. T. Wagner's Sons. No. 69,638; June 23; Gaz. vol. 134; p. 2025.
 Waterproof cloth. A. L. Jacobs. No. 68,687; Apr. 21; Gaz. vol. 133; p. 1932.
 Waterproof dressing, Liquid. Grand Rapids Veneer Works. No. 70,879; Oct. 13; Gaz. vol. 136; p. 1528.
 Waterproof material, Certain. Paraffine Paint Co. No. 69,554; June 23; Gaz. vol. 134; p. 2023.
 Waterproof oil blacking and dressing. E. H. Galligan. No. 71,709; Dec. 15; Gaz. vol. 137; p. 1703.
 Waterproof textile fabrics. C. E. Conover Co. No. 68,827; Apr. 28; Gaz. vol. 133; p. 2176.
 Waterproofed fabrics, Certain. Cravenette Company. No. 69,743; June 30; Gaz. vol. 134; p. 2241.
 Waterproofing solution, Certain. American Cement Waterproofing Co. No. 69,235; May 26; Gaz. vol. 134; p. 1047.
 Wax, Ironing-. Iron-Ola Company. No. 69,491; June 16; Gaz. vol. 134; p. 1799.
 Waxing-pads. Waxo Manufacturing Company. No. 69,753; June 30; Gaz. vol. 134; p. 2241.
 Wheat-flakes. Pacific Milling Company. No. 67,923; Feb. 25; Gaz. vol. 132; p. 1833.
 Wheat-flour. Dodge City Milling & Elevator Company. No. 71,289; Nov. 17; Gaz. vol. 137; p. 727.
 Whips. Cargill, Cleveland & Co. No. 67,429; Feb. 4; Gaz. vol. 132; p. 1066.
 Whips. United States Whip Company. No. 68,281; Mar. 17; Gaz. vol. 133; p. 759.
 Whips. C. H. Clark. No. 70,588; Sept. 15; Gaz. vol. 136; p. 654.
 Whips, Buggy and team. Norvell Shapleigh Hardware Company. No. 69,916; July 14; Gaz. vol. 135; p. 447.
 Whips, whip stocks and lashes. Warren Featherbone Co. No. 68,198; Mar. 10; Gaz. vol. 133; p. 510.
 Whiskies. G. Riesmeyer Distilling Company. No. 70,484; Sept. 8; Gaz. vol. 136; p. 433.
 Whiskies. Figge-Doyle Co. No. 71,847; Dec. 15; Gaz. vol. 137; p. 1707.
 Whiskies, Blend of rye. S. Kapnek. No. 70,210; Aug. 11; Gaz. vol. 135; p. 1358.
 Whiskies, Blend of straight corn. R. M. Rose Company. No. 71,535; Dec. 1; Gaz. vol. 137; p. 1232.
 Whiskies, Blend of straight rye. A. M. Jordan Co. No. 70,683; Sept. 22; Gaz. vol. 136; p. 844.
 Whiskies, Straight and blended. John C. Weller Co. No. 70,488; Sept. 8; Gaz. vol. 136; p. 433.
 Whisky. Stitzel Distilling Company. No. 66,954; Jan. 7; Gaz. vol. 132; p. 226.
 Whisky. R. W. Ashcroft. Nos. 67,086-7; Jan. 14; Gaz. vol. 132; p. 463.
 Whisky. Cortwright Company. Nos. 67,093-4; Jan. 14; Gaz. vol. 132; p. 463.
 Whisky. R. T. Dawson & Co. No. 67,095; Jan. 14; Gaz. vol. 132; p. 463.
 Whisky. Cook & Bernheimer Co. Nos. 67,203-5; Jan. 21; Gaz. vol. 132; p. 675.
 Whisky. P. Dempsey & Co. No. 67,206; Jan. 21; Gaz. vol. 132; p. 675.
 Whisky. E. Martin & Co. No. 67,207; Jan. 21; Gaz. vol. 132; p. 675.
 Whisky. F. Korbel & Bros. No. 67,208; Jan. 21; Gaz. vol. 132; p. 675.
 Whisky. Wright & Taylor. No. 67,217; Jan. 21; Gaz. vol. 132; p. 675.
 Whisky. A. Hill. No. 67,268; Jan. 28; Gaz. vol. 132; p. 836.
 Whisky. Golden Hill Distilling Co. No. 67,311; Jan. 28; Gaz. vol. 132; p. 837.
 Whisky. Live Oak Distilling Company. No. 67,319; Jan. 28; Gaz. vol. 132; p. 837.
 Whisky. Elder-Harrison Company. No. 67,511; Feb. 4; Gaz. vol. 132; p. 1068.
 Whisky. Crigler & Crigler. No. 67,526; Feb. 4; Gaz. vol. 132; p. 1068.
 Whisky. E. Block & Sons. No. 67,626; Feb. 11; Gaz. vol. 132; p. 1315.
 Whisky. Jacob Dudenhofer Co. No. 67,636; Feb. 11; Gaz. vol. 132; p. 1315.
 Whisky. Thos. Moore Distilling Company. No. 67,640; Feb. 11; Gaz. vol. 132; p. 1315.
 Whisky. Cortwright Company. No. 67,828; Feb. 18; Gaz. vol. 132; p. 1582.
 Whisky. Edgewood Dist. Co. No. 67,830; Feb. 18; Gaz. vol. 132; p. 1582.
 Whisky. Hannah & Hogg. No. 67,832; Feb. 18; Gaz. vol. 132; p. 1582.
 Whisky. J. W. Kelly & Co. No. 67,833; Feb. 18; Gaz. vol. 132; p. 1582.
 Whisky. T. Pepper's Sons. No. 67,840; Feb. 18; Gaz. vol. 132; p. 1583.
 Whisky. E. J. Riffe. No. 67,842; Feb. 18; Gaz. vol. 132; p. 1583.
 Whisky. Cook & Bernheimer Co. No. 67,954; Feb. 25; Gaz. vol. 132; p. 1834.
 Whisky. C. Sandheger. No. 67,958; Feb. 25; Gaz. vol. 132; p. 1834.
 Whisky. C. Sandheger. No. 67,984; Mar. 3; Gaz. vol. 133; p. 223.
 Whisky. Geo. W. Torrey Company. No. 68,062; Mar. 3; Gaz. vol. 133; p. 225.
 Whisky. I. L. Lipschutz. No. 68,070; Mar. 3; Gaz. vol. 133; p. 226.
 Whisky. C. Person's Sons. No. 68,164; Mar. 10; Gaz. vol. 133; p. 509.
 Whisky. N. G. Williams. No. 68,166; Mar. 10; Gaz. vol. 133; p. 509.
 Whisky. James Buchanan & Company. No. 68,310; Mar. 24; Gaz. vol. 133; p. 987.
 Whisky. Woodford Distilling Co. No. 68,463; Apr. 7; Gaz. vol. 133; p. 1431.
 Whisky. J. Debar. No. 68,633; Apr. 21; Gaz. vol. 133; p. 1930.
 Whisky. Bonnie Bros. No. 68,641; Apr. 21; Gaz. vol. 133; p. 1930.
 Whisky. L. Goodman Co. No. 68,647; Apr. 21; Gaz. vol. 133; p. 1930.
 Whisky. M. Gans Co. No. 68,654; Apr. 21; Gaz. vol. 133; p. 1931.
 Whisky. Union Distl'g Co. No. 68,789; Apr. 28; Gaz. vol. 133; p. 2175.
 Whisky. B. Ganim & Bro. No. 70,982; Oct. 20; Gaz. vol. 136; p. 1764.
 Whisky. Edward & John Burke, Limited. No. 72,080; Dec. 29; Gaz. vol. 137; p. 2215.
 Whisky and cocktails, Rye. Voneiff Bros. No. 71,840; Dec. 15; Gaz. vol. 137; p. 1706.
 Whisky, Blend of corn. R. M. Rose Co. No. 71,835; Dec. 15; Gaz. vol. 137; p. 1706.
 Whisky, Blended. Franc, Heyn & Co. Nos. 70,325-6; Aug. 25; Gaz. vol. 135; p. 1797.
 Whisky, Blended. Jno. T. Barbee & Co. No. 72,067; Dec. 29; Gaz. vol. 137; p. 2215.
 Whisky, blended whisky, and compound whisky, Straight. E. Eising & Co. No. 71,333; Nov. 17; Gaz. vol. 137; p. 722.
 Whisky blended with pure straight whiskies, Rye. J. Reinstine. No. 71,836; Dec. 15; Gaz. vol. 137; p. 1706.
 Whisky, Bourbon and rye. Golden State Wine Co. No. 67,446; Feb. 4; Gaz. vol. 132; p. 1066.
 Whisky, brandy, gin, and cordials. J. Cartun. No. 67,627; Feb. 11; Gaz. vol. 132; p. 1315.
 Whisky, Compounded. Fishel & Levy. No. 71,921; Dec. 22; Gaz. vol. 137; p. 1934.
 Whisky, Pure malt Scotch. G. S. Grant. No. 72,081; Dec. 29; Gaz. vol. 137; p. 2216.
 Whisky, Pure rye. Sunny Side Distilling Co. No. 68,165; Mar. 10; Gaz. vol. 133; p. 509.
 Whisky, rum, gin, brandy, cocktails, and punches. Boston Wine & Spirits Co. Nos. 67,807-22; Feb. 18; Gaz. vol. 132; p. 1582.
 Whisky, Rye and malt. Gottschalk Company of Baltimore City. Nos. 68,161-2; Mar. 10; Gaz. vol. 133; p. 509.
 Whisky, Straight. A. Bloom. No. 70,907; Oct. 13; Gaz. vol. 136; p. 1529.
 Whisky, Straight. Jno. T. Barbee & Co. No. 71,336; Nov. 17; Gaz. vol. 137; p. 729.
 Whisky, Straight. Rugby Distillery Company. No. 71,630; Dec. 8; Gaz. vol. 137; p. 1477.
 Whisky, Straight and blended. Jno. T. Barbee & Co. No. 71,617; Dec. 8; Gaz. vol. 137; p. 1477.
 Whisky, Straight Bourbon. A. J. Henseler. No. 70,430; Sept. 1; Gaz. vol. 136; p. 221.
 Whisky, Straight Bourbon. Kiowa Company. No. 71,165; Nov. 3; Gaz. vol. 137; p. 225.

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- Whisky, Straight Bourbon. Rugby Distillery Company. No. 71,495; Nov. 24; Gaz. vol. 137; p. 975.
 Whisky, Straight Bourbon and straight rye. J. D. Heimsoth. No. 71,624; Dec. 8; Gaz. vol. 137; p. 1477.
 Whisky, Straight malt. Duffy Malt Whiskey Co. No. 70,623; Sept. 15; Gaz. vol. 136; p. 655.
 Whisky, Straight rye. J. A. Bumgardner. No. 70,622; Sept. 15; Gaz. vol. 136; p. 655.
 Whisky, Straight rye. Franc, Heyn & Co. No. 70,828; Oct. 6; Gaz. vol. 136; p. 1294.
 Whisky, Straight rye. American Wine & Spirit Co. No. 71,489; Nov. 24; Gaz. vol. 137; p. 974.
 Whisky, Straight rye. J. S. Finch & Co. No. 71,848; Dec. 15; Gaz. vol. 137; p. 1707.
 Whisky, Straight rye and blended rye. B. J. Semmes & Co. No. 71,652; Dec. 8; Gaz. vol. 137; p. 1478.
 Whistles for motor-cars. A. Gildemeister. No. 70,486; Sept. 8; Gaz. vol. 136; p. 433.
 Wicks or night-lights, Floating. J. G. Hebart. No. 69,199; May 26; Gaz. vol. 134; p. 1046.
 Wine. Brand Brothers Company. No. 68,659; Apr. 21; Gaz. vol. 133; p. 1931.
 Wine. California Wine Association. No. 68,759; Apr. 28; Gaz. vol. 133; p. 2174.
 Wine. Fazerland Wine Co. No. 68,762; Apr. 28; Gaz. vol. 133; p. 2174.
 Wine. California Wine Association. No. 69,009; May 12; Gaz. vol. 134; p. 511.
 Wine, Champagne-. Chandon et Co. Nos. 68,030-3; Mar. 3; Gaz. vol. 133; p. 225.
 Wine, Champagne-. Chandon et Co. No. 68,042; Mar. 3; Gaz. vol. 133; p. 225.
 Wine made in Villanova, Red. G. Aquino. No. 71,523; Dec. 1; Gaz. vol. 137; p. 1231.
 Wine made in Villanova, Red. G. Aquino. No. 72,034; Dec. 29; Gaz. vol. 137; p. 2214.
 Wines. Carmel Wine Company. Nos. 67,755-9; Feb. 18; Gaz. vol. 132; p. 1580.
 Wines. C. Dresel. No. 68,044; Mar. 3; Gaz. vol. 133; p. 225.
 Wines. Carmel Wine Company. Nos. 68,286-8; Mar. 24; Gaz. vol. 133; p. 987.
 Wines. Purity Valley Wine Co. No. 70,491; Sept. 8; Gaz. vol. 136; p. 433.
 Wines. J. Calvet & Co. No. 70,687; Sept. 22; Gaz. vol. 136; p. 844.
 Wines. J. Calvet & Co. No. 71,905; Dec. 22; Gaz. vol. 137; p. 1934.
 Wines, American white. Hammondsport Wine Company. No. 70,625; Sept. 15; Gaz. vol. 136; p. 655.
 Wines, Certain. Barton Vineyard Company. No. 68,681; Apr. 21; Gaz. vol. 133; p. 1931.
 Wines, Certain. P. Dempsey & Co. No. 69,804; July 7; Gaz. vol. 135; p. 214.
 Wines, Certain. Cerruti Mercantile Co. No. 71,588; Dec. 1; Gaz. vol. 137; p. 1233.
 Wines of the Tokay type, White. Hammondsport Wine Company. No. 71,528; Dec. 1; Gaz. vol. 137; p. 1232.
 Wines, Port and sherry. Boston Wine & Spirits Co. Nos. 67,731-40; Feb. 18; Gaz. vol. 132; p. 1580.
 Wines, Red and white. Rosenblatt Co. No. 71,241; Nov. 10; Gaz. vol. 137; p. 470.
 Wines, Still. J. P. Laroche & Co. No. 69,707; June 30; Gaz. vol. 134; p. 2240.
 Wire, Composition. Bridgeport Brass Company. Nos. 69,987-8; July 21; Gaz. vol. 135; p. 658.
 Wire, Hat-. B. Trosky. No. 70,680; Sept. 22; Gaz. vol. 136; p. 844.
 Wire picture-cord. Wright Wire Company. No. 67,804; Feb. 18; Gaz. vol. 132; p. 1582.
 Wire, Resistance-. Driver-Harris Wire Company. No. 70,205; Aug. 11; Gaz. vol. 135; p. 1357.
 Wire rope and cables. Trenton Iron Company. No. 70,583; Sept. 15; Gaz. vol. 136; p. 654.
 Wire rope and cables. American Steel & Wire Company of New Jersey. No. 71,585; Dec. 1; Gaz. vol. 137; p. 1233.
 Wire ropes. Waterbury & Company. No. 71,701; Dec. 8; Gaz. vol. 137; p. 1478.
 Wire, Steel music-. C. Newman. No. 72,007; Dec. 29; Gaz. vol. 137; p. 2213.
 Wood, Artificially-colored. W. A. Hall. No. 69,251; June 2; Gaz. vol. 134; p. 1293.
 Wood dishes. Oval Wood Dish Co. No. 68,675; Apr. 21; Gaz. vol. 133; p. 1931.
 Wood-fillers. Bridgeport Wood Finishing Company. No. 70,183; Aug. 11; Gaz. vol. 135; p. 1357.
 Wood-polish. Perzinal-Poliermittel Gesellschaft mit beschränkter Haftung. No. 68,399; Apr. 7; Gaz. vol. 133; p. 1429.
 Wood strengthener and preservative, Chemical. P. C. Reilly. No. 69,334; June 9; Gaz. vol. 134; p. 1557.
 Woodworking machinery. Defiance Machine Works. No. 71,255; Nov. 10; Gaz. vol. 137; p. 471.
 Wool, worsted, or hair cloths and stuffs. Bradford Dyers' Association. No. 71,935; Dec. 22; Gaz. vol. 137; p. 1934.
 Woolen and worsted cloth. Downing, Clark & Company. No. 69,149; May 19; Gaz. vol. 134; p. 772.
 Woolen and worsted piece goods. J. S. Ainley. No. 69,642; June 23; Gaz. vol. 134; p. 2025.
 Woolen piece goods. H. Dickinson. No. 69,645; June 23; Gaz. vol. 134; p. 2025.
 Woolen, silk, linen, and cotton piece goods. T. Elss. No. 69,882; July 14; Gaz. vol. 135; p. 446.
 Worsted dress goods. Fern Rock Woolen Mills. No. 69,656; June 23; Gaz. vol. 134; p. 2025.
 Worst dress goods. Arlington Mills. No. 71,955; Dec. 22; Gaz. vol. 137; p. 1935.
 Worsted, woolen, and silk piece goods and dress goods. Priestleys Limited. No. 69,527; June 16; Gaz. vol. 134; p. 1799.
 Worsteds, Textile. Prudential Worsted Company. No. 68,076; Mar. 3; Gaz. vol. 133; p. 226.
 Wrenches. M. E. Layne. No. 70,489; Sept. 8; Gaz. vol. 136; p. 433.
 Wrenches and pliers. Crescent Tool Co. No. 67,460; Feb. 4; Gaz. vol. 132; p. 1067.
 Wrenches and vises. Bonney Vise & Tool Works. No. 68,202; Mar. 17; Gaz. vol. 133; p. 757.
 Wringers, Clothes-. American Wringer Company. No. 68,544; Apr. 14; Gaz. vol. 133; p. 1675.
 Wringers, Clothes-. American Wringer Company. Nos. 68,814-15; Apr. 28; Gaz. vol. 133; p. 2176.
 Wringers, Rubber roll clothes-. American Wringer Company. No. 69,906; July 14; Gaz. vol. 135; p. 446.
 Writing fluid. Sanford Manufacturing Co. No. 70,510; Sept. 8; Gaz. vol. 136; p. 434.
 Yarn, Lath-. J. D. Streett & Company. No. 70,036; July 28; Gaz. vol. 135; p. 889.
 Yarn, Combed. Kilburn Mill. No. 70,372; Aug. 25; Gaz. vol. 135; p. 1798.
 Yarns. B. Ulmann & Co. No. 67,801; Feb. 18; Gaz. vol. 132; p. 1582.
 Yarns. Norddeutsche Wollkammerei & Kammgarnspinnerei. No. 69,446; June 16; Gaz. vol. 134; p. 1797.
 Yarns and threads. Dollfus-Mieg & Cie. Société anonyme. Nos. 70,360-1; Aug. 25; Gaz. vol. 135; p. 1798.
 Yarns and threads. Dollfus-Mieg & Cie. Société anonyme. No. 70,827; Oct. 6; Gaz. vol. 136; p. 1294.
 Yarns, sewing-cotton, thread, &c. Dollfus-Mieg & Cie. Société anonyme. No. 69,438; June 16; Gaz. vol. 134; p. 1797.
 Yeast. C. B. Blackwell. No. 67,307; Jan. 28; Gaz. vol. 132; p. 837.
 Yeast and certain cereal foods. Fischer Bros. No. 67,310; Jan. 28; Gaz. vol. 132; p. 837.
 Yeast, Fig. F. Wedehase. No. 69,090; May 19; Gaz. vol. 134; p. 770.
 Zinc plates, Etched. H. A. Mueller. No. 68,767; Apr. 28; Gaz. vol. 133; p. 2174.

ALPHABETICAL LIST OF LABELS.

- "A. Barker's Guarantee." (For Carpets.) A. Barker. No. 14,182; May 5; Gaz. vol. 134; p. 254.
 "A Collection of the Famous Boileau Heads." (For Envelops of a Special Design for Post-Cards.) No. 14,053; Feb. 18; Gaz. vol. 132; p. 1584.
 "A Little Bourbon." (For a Straight Bourbon Whisky.) J. F. Sniffen. No. 14,317; Aug. 18; Gaz. vol. 135; p. 1580.
 "A Little Rye." (For Whisky.) J. C. Smith. No. 14,089; Mar. 17; Gaz. vol. 133; p. 760.
 "Abbott's Aromatic Bitters." (For Bitters.) C. W. Abbott & Co. No. 14,328; Aug. 25; Gaz. vol. 135; p. 1800.
 "Accepto." (For Cigars.) G. Dötting. No. 14,427; Oct. 27; Gaz. vol. 136; p. 1998.
 "Acme Bar Polish." (For a Polish.) M. Bloomington. No. 14,419; Oct. 20; Gaz. vol. 136; p. 1766.
 "Adler-Bräu." (For Beer.) Geo. Walter Brewing Co. No. 14,141; Apr. 14; Gaz. vol. 133; p. 1677.
 "Affinity." (For Whisky.) J. Samuels & Co. No. 14,049; Feb. 18; Gaz. vol. 132; p. 1584.
 "Affinity Puzzle." (For Puzzles.) Hulsizer Company. No. 14,088; Mar. 10; Gaz. vol. 133; p. 511.
 "Ali Pasha." (For Cigarettes.) Themelis Bros. No. 14,000; Jan. 21; Gaz. vol. 132; p. 676.
 "All Nations' Brand." (For Coffee.) Globe Coffee & Molasses Co. No. 14,364; Sept. 22; Gaz. vol. 136; p. 845.
 "Alma." (For Cigars.) Moehle Lithographic Co. No. 14,012; Jan. 28; Gaz. vol. 132; p. 840.
 "Almeda." (For Cigars.) A. C. Henschel & Co. No. 14,445; Nov. 3; Gaz. vol. 137; p. 226.
 "Almond Whitener." (For Ointment for Use After Washing.) H. H. Lepper. No. 14,041; Feb. 11; Gaz. vol. 132; p. 1318.
 "Alpha Brand." (For Sweater-Coats.) M. A. Metz. No. 14,444; Oct. 27; Gaz. vol. 136; p. 1998.
 "Amberine Malt Beverage." (For a Mild Infusion of Malt and Hops.) Robert Portner Brewing Company. No. 14,247; June 16; Gaz. vol. 134; p. 1801.
 "American." (For Pads and Inks.) J. A. Bearn, Jr., & Co. No. 14,111; Mar. 24; Gaz. vol. 133; p. 989.
 "American A. B. C. Lager Beer." (For Lager-Beer.) Independent Breweries Co. No. 14,522; Dec. 1; Gaz. vol. 137; p. 1235.
 "American Breakfast Cocoa." (For Cocoa.) J. Satein. No. 14,397; Oct. 13; Gaz. vol. 136; p. 1530.
 "American Corn Remover." (For Corn-Plasters.) Great American Herb Co. No. 14,160; Apr. 21; Gaz. vol. 133; p. 1933.
 "American Malted Fruit." (For a Filling for Pies, Layer-Cakes, and Desserts.) J. D. Lavery. No. 14,190; May 12; Gaz. vol. 134; p. 512.
 "Ammonia Laundry Soda." (For Laundry Soda.) National Chemical Co. No. 14,578; Dec. 29; Gaz. vol. 137; p. 2217.
 "Anco." (For Coffee.) Sherman-Cosner Mercantile Co. No. 13,972; Jan. 7; Gaz. vol. 132; p. 229.
 "Another Biscuit." (For Soda Crackers.) American Pastry & M'fg Company. Nos. 14,369-70; Sept. 22; Gaz. vol. 136; p. 845.
 "Another Original Colgate Package." (For Dental Cream.) Colgate & Co. No. 14,094; Mar. 17; Gaz. vol. 133; p. 760.
 "Anti-Dirt." (For a Scouring Preparation.) Anti-Dirt Company. No. 14,514; Nov. 24; Gaz. vol. 137; p. 976.
 "Antihedake." (For Hats.) F. Meyer. No. 14,269; June 30; Gaz. vol. 134; p. 2242.
 "Appeal to Reason." (For Cigars.) Girard Manufacturing Company. No. 14,183; May 12; Gaz. vol. 134; p. 512.
 "Apple Jelly." (For Apple-Jelly.) Atlas Preserving Co. No. 14,368; Sept. 22; Gaz. vol. 136; p. 845.
 "Apricot Cordial." (For a Liqueur.) Chas. Jacquin et Cie., Inc. No. 14,103; Mar. 24; Gaz. vol. 133; p. 989.
 "Aragum Paste." (For a Paste for Confectioners and Bakers.) A. S. Burgess. No. 14,082; Mar. 10; Gaz. vol. 132; p. 511.
 "Armour Clad." (For Cigars.) G. Dötting. No. 14,470; Nov. 10; Gaz. vol. 137; p. 472.
 "Aroma." (For Cigars.) McKenzie Bros. No. 14,409; Oct. 20; Gaz. vol. 136; p. 1766.
 "Art Fillet Embroidery." (For Embroidered Lace.) Kursheedt Manuf'g Co. No. 14,067; Feb. 25; Gaz. vol. 132; p. 1835.
 "Artgum." (For a Dry Cleaner and Massager.) A. Sommer. No. 14,347; Sept. 8; Gaz. vol. 136; p. 435.
 "Artgum, The Dry Cleaner and Massager." (For a Cleaning Composition.) A. Sommer. Nos. 14,073-4; Mar. 3; Gaz. vol. 133; p. 227.
 "Atlas." (For Cigarettes.) Themelis Bros. No. 14,002; Jan. 21; Gaz. vol. 132; p. 676.
 "Aunt Sall's Soda." (For Soda.) S. J. Braun. No. 14,149; Apr. 14; Gaz. vol. 133; p. 1677.
 "Auto Girl." (For Candy.) National Candy Company. No. 14,023; Feb. 4; Gaz. vol. 132; p. 1070.
 "B. & R." (For Cigars.) Schmidt & Co. No. 14,494; Nov. 17; Gaz. vol. 137; p. 730.
 "Barney." (For Cigars.) G. Neuwahl. No. 14,225; June 2; Gaz. vol. 134; p. 1296.
 "Bassett's Egg Shampoo Cream." (For a Toilet Preparation for Shampooing the Hair.) Bassett Supply Co. No. 14,065; Feb. 25; Gaz. vol. 132; p. 1835.
 "Behn Hamie 'Kosher' Scouring Soap." (For a Scouring-Soap.) L. Gelberg. No. 14,330; Aug. 25; Gaz. vol. 135; p. 1800.
 "Best XXXX Bread." (For Bread.) F. T. Short. No. 14,506; Dec. 22; Gaz. vol. 137; p. 1937.
 "Big Dick." (For Cigars.) R. Klein. No. 13,999; Jan. 21; Gaz. vol. 132; p. 676.
 "Birchfield Mills." (For Muslin and Muslin Garments.) Birkenfeld Strauss & Co. No. 14,133; Apr. 7; Gaz. vol. 133; p. 1432.
 "Black Beauty Stove Polish." (For Stove-Polish.) C. W. Lubs. No. 14,552; Dec. 15; Gaz. vol. 137; p. 1708.
 "Black Cup Leathers Mark 'Perfection'." (For Cup-Leathers.) Mark Man'g Co. No. 14,484; Nov. 10; Gaz. vol. 137; p. 472.
 "Blue Bird." (For Canned Peas.) Frewsburg Canning Co. No. 14,312; Aug. 4; Gaz. vol. 135; p. 1119.
 "Bob Yokum's Buffalo Whiskey." (For Straight Whisky.) R. L. Yokum. No. 14,283; July 14; Gaz. vol. 135; p. 448.
 "Bob Yokum's Buffalo Whiskey." (For Blended Whisky.) K. L. Yokum. No. 14,284; July 14; Gaz. vol. 135; p. 448.
 "Bohemian National Blended Old Rye Whiskey." (For a Blend of Rye Whiskies.) L. Maxa. No. 14,350; Sept. 15; Gaz. vol. 136; p. 656.
 "Bonny Brawn." (For Scotch Whisky.) Hochstadter Co. No. 14,056; Feb. 25; Gaz. vol. 132; p. 1835.
 "Bouquet." (For Cigars.) G. Dötting. No. 14,185; May 12; Gaz. vol. 134; p. 512.
 "Braid Fillet Lace." (For Embroidered Lace.) Kursheedt Manuf'g Co. No. 14,112; Mar. 24; Gaz. vol. 133; p. 989.
 "Brilliantine Metal Polish." (For Metal-Polish.) Smith Bros. Hardware Company. No. 14,420; Oct. 20; Gaz. vol. 136; p. 1766.
 "Britton's Carbolized Ointment." (For an Ointment.) C. J. Britton. No. 14,550; Dec. 15; Gaz. vol. 137; p. 1708.
 "Brockhaus-Tea (Galeopsis Grandiflora)." (For an Herb Tea.) H. J. Friesenhahn. No. 14,277; July 7; Gaz. vol. 135; p. 216.
 "Bruguier's Violet Talcum Powder." (For Talcum Powder.) C. E. Maier. No. 14,538; Dec. 8; Gaz. vol. 137; p. 1480.
 "Buttercup Brand." (For Sterilized Unsweetened Condensed Milk.) Willamette Valley Condensed Milk Co. No. 14,366; Sept. 22; Gaz. vol. 136; p. 845.
 "By Gum." (For Gum-Drops.) Manierre-Yoe Syrup Co. No. 14,327; Aug. 25; Gaz. vol. 135; p. 1800.
 "C. Grande's La Prima Vera." (For Cigars.) C. Grande. No. 14,075; Mar. 10; Gaz. vol. 133; p. 511.
 "Cabinets." (For Cigars.) G. Dötting. No. 14,195; May 19; Gaz. vol. 134; p. 773.
 "Cable Piano Polish." (For Furniture-Polish.) Dr. J. W. Chiles & Co. No. 14,087; Mar. 10; Gaz. vol. 133; p. 511.
 "Calendar." (For Tea.) Geo. Lewis & Co., Incorporated. No. 14,365; Sept. 22; Gaz. vol. 136; p. 845.
 "Canadian Process Whiskey." (For Whisky.) Old Kentucky Whiskey Company. No. 14,174; May 5; Gaz. vol. 134; p. 254.
 "Candy & Jewelry." (For Confectionery.) L. Schulman & Co. No. 13,970; Jan. 7; Gaz. vol. 132; p. 229.
 "Captain Alippo." (For Cigars.) G. Dötting. No. 14,473; Nov. 10; Gaz. vol. 137; p. 472.
 "Captain Burton." (For Cigars.) Schmidt & Co. No. 14,320; Aug. 25; Gaz. vol. 135; p. 1800.
 "Carter's Tamarind Sauce." (For a Sauce.) E. W. Carter. No. 14,324; Aug. 25; Gaz. vol. 135; p. 1800.
 "Casa del Mundo." (For Cigars.) G. Dötting. No. 14,463; Nov. 10; Gaz. vol. 137; p. 472.
 "Castola." (For Tasteless Castor-Oil.) Dry Climate Drug Company. No. 14,501; Nov. 17; Gaz. vol. 137; p. 730.
 "Cat Tails." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,244; June 16; Gaz. vol. 134; p. 1801.
 "Cellulose Soap." (For Soap.) Whitney Chemical Co. No. 14,193; May 12; Gaz. vol. 134; p. 512.
 "Ceresota Bread." (For Bread.) F. T. Short. No. 14,565; Dec. 22; Gaz. vol. 137; p. 1937.
 "Ceylana Tea." (For Ceylon Tea.) Ceylana Tea Company. No. 14,574; Dec. 29; Gaz. vol. 137; p. 2217.
 "Charcoal Chewing Gum." (For Charcoal Chewing-Gum.) J. L. Messer. No. 14,108; Mar. 24; Gaz. vol. 133; p. 989.
 "Cherry-Pepsin." (For a Beverage.) E. Coe. No. 13,995; Jan. 14; Gaz. vol. 132; p. 465.
 "China-Lac." (For a Varnish-Stain.) Phoenix Color Works. No. 14,372; Sept. 22; Gaz. vol. 136; p. 845.
 "Chinese Anti-Typhoid Fever Remedy." (For Remedy for Typhoid Fever.) Morgantown Drug & Chemical Co. No. 14,314; Aug. 4; Gaz. vol. 135; p. 1119.
 "Chocolate Cream." (For a Toilet Cream.) Dry Climate Drug Company. No. 14,502; Nov. 17; Gaz. vol. 137; p. 730.
 "Choctox." (For a Confection Made of Sterilized Beef Fiber, Whole Wheat, and Vanilla Chocolate.) No. 14,450; Nov. 3; Gaz. vol. 137; p. 226.
 "Cigarros Finos." (For Cigars.) American Lithographic Company. No. 14,280; July 14; Gaz. vol. 135; p. 448.
 "Cigarros Finos." (For Cigars.) American Lithographic Company. Nos. 14,541-2; Dec. 15; Gaz. vol. 137; p. 1708.

Alphabetical list of labels—Continued.

- "Cigars." (For Cigars.) American Lithographic Company. No. 14,462; Nov. 10; Gaz. vol. 137; p. 472.
 "Cigars." (For Cigars.) Leopold Powell & Co. No. 14,560; Dec. 22; Gaz. vol. 137; p. 1937.
 "Clark's Chemical Spray." (For a Chemical Spray for Trees, Vines, &c.) Clark Chemical Spray Company. No. 14,536; Dec. 8; Gaz. vol. 137; p. 1480.
 "Clarks Solution." (For a Remedy for Diseases of the Skin or Scalp.) Clark Chemical Spray Company. No. 14,537; Dec. 8; Gaz. vol. 137; p. 1480.
 "Coca Ginger." (For a Non-Alcoholic Beverage.) A. D. Lewis. No. 14,105; Mar. 24; Gaz. vol. 133; p. 989.
 "Cock-Tail Sardines." (For Norway Sardines in Olive-Oil.) J. M. Chapman. No. 14,245; June 16; Gaz. vol. 134; p. 1801.
 "Cold Water Glue." (For Cold-Water Glue.) J. Ponton. No. 14,404; Oct. 13; Gaz. vol. 136; p. 1530.
 "Colgate & Co's Antiseptic Dental Cream." (For Antiseptic Dental Cream.) Colgate & Co. No. 14,084; Mar. 10; Gaz. vol. 133; p. 511.
 "Colgate's Dental Cream." (For Dental Cream.) Colgate & Co. No. 14,083; Mar. 10; Gaz. vol. 133; p. 511.
 "College Bread." (For Bread.) Schuler-Sixes Baking Co. No. 14,168; Apr. 28; Gaz. vol. 133; p. 2178.
 "College Stogies." (For Stogies.) A. Friedberg & Bro. No. 14,520; Dec. 1; Gaz. vol. 137; p. 1235.
 "Columbia." (For Liquid Fish Glue.) Columbia Glue Co. No. 14,339; Sept. 1; Gaz. vol. 136; p. 223.
 "Columbia Brand Evaporated Product of Apples." (For Evaporated Product of Apples.) J. W. Teasdale & Co. No. 14,202; May 19; Gaz. vol. 134; p. 773.
 "Columbia Oil Soap." (For Soap.) Columbia Refining Company. No. 14,097; Mar. 17; Gaz. vol. 133; p. 760.
 "Columbia Paste." (For an Oil Car-Cleaner.) Columbia Refining Company. No. 14,504; Nov. 17; Gaz. vol. 137; p. 730.
 "Columbia Thinner." (For an Oil Car-Cleaner.) Columbia Refining Company. No. 14,505; Nov. 17; Gaz. vol. 137; p. 730.
 "Comerciales." (For Cigars.) G. Dötting. No. 14,479; Nov. 10; Gaz. vol. 137; p. 472.
 "Complexion Cream Purity Brand." (For a Complexion-Cream.) Carleton & Hovey Company. No. 14,235; June 9; Gaz. vol. 134; p. 1560.
 "Compliments of the Season." (For Cigars.) Schmidt & Co. No. 14,515; Dec. 1; Gaz. vol. 137; p. 1235.
 "Composite Base Paint." (For Paints.) G. B. Heckel. No. 14,054; Feb. 18; Gaz. vol. 132; p. 1584.
 "Con-e-wan-go." (For Canned Peas.) Krewsburg Canning Co. No. 14,325; Aug. 25; Gaz. vol. 135; p. 1800.
 "Contrivo." (For Cigars.) Alhambra Cigar Co. No. 14,359; Sept. 22; Gaz. vol. 136; p. 845.
 "Coontown Shooting Gallery." (For a Game.) B. B. Bennett. No. 14,558; Dec. 15; Gaz. vol. 137; p. 1708.
 "Corker." (For Cigars.) Hilson Company. No. 14,410; Oct. 20; Gaz. vol. 136; p. 1766.
 "Corkwood Portuguese Union." (For Corkwood.) C. S. Gouvea. No. 14,571; Dec. 22; Gaz. vol. 137; p. 1937.
 "Corning's Canadian Type Whiskey." (For Blended Whisky.) Corning and Company. No. 14,562; Dec. 22; Gaz. vol. 137; p. 1937.
 "Corylopsis." (For Talcum Powder.) Calisher & Co. No. 14,569; Dec. 22; Gaz. vol. 137; p. 1937.
 "Cosmos Hair Remedy." (For a Remedy for Baldness.) N. Hicks. No. 14,500; Nov. 17; Gaz. vol. 137; p. 730.
 "Cottage." (For Coffee.) Woolson Spice Company. No. 14,275; July 7; Gaz. vol. 135; p. 216.
 "Court Favorite." (For Cigars.) G. Dötting. No. 14,469; Nov. 10; Gaz. vol. 137; p. 472.
 "Creme de Cacao." (For a Liqueur.) Chas. Jacquinet & Cie., Inc. No. 14,104; Mar. 24; Gaz. vol. 133; p. 989.
 "Crispo." (For Ice-Wafer.) F. Marchiony. No. 14,438; Oct. 27; Gaz. vol. 136; p. 1998.
 "Cross Brand Matches." (For Matches.) United Vending Company. No. 14,508; Nov. 17; Gaz. vol. 137; p. 730.
 "Crown Foot Powder." (For Foot-Powder.) M. and H. Chemical Co. No. 14,051; Feb. 18; Gaz. vol. 132; p. 1584.
 "Crown Pearls." (For Cigars.) Schmidt & Co. No. 14,516; Dec. 1; Gaz. vol. 137; p. 1235.
 "Crucible Cough Remedy." (For Cough Remedy.) C. Rollberg. No. 13,974; Jan. 7; Gaz. vol. 132; p. 229.
 "Dabrosa." (For Cigars.) Davidson Bros. No. 14,493; Nov. 17; Gaz. vol. 137; p. 730.
 "Daggett's Chocolates." (For Chocolates.) F. L. Daggett Co. No. 14,201; May 19; Gaz. vol. 134; p. 773.
 "Damiana." (For a Cordial.) Mezcal Tequila Distillery Co. No. 14,199; May 19; Gaz. vol. 134; p. 773.
 "Dan & Jack." (For Cigars.) K. H. Jacobs. No. 14,491; Nov. 17; Gaz. vol. 137; p. 730.
 "Daniel's P. P. Rod Packing." (For Rod-Packing.) C. A. Daniel. No. 14,382; Sept. 29; Gaz. vol. 136; p. 1066.
 "Del Buono." (For Italian Tomato Paste.) F. Cusimano. No. 14,449; Nov. 3; Gaz. vol. 137; p. 226.
 "Derby." (For Cigars.) C. H. Stout. No. 14,212; May 26; Gaz. vol. 134; p. 1048.
 "Dexterose." (For a Prepared Food for Infants and Invalids.) Dexterose Food Co. No. 14,063; Feb. 25; Gaz. vol. 132; p. 1835.
 "Diana Chocolates." (For Chocolates.) Ballweg & Greenwald. No. 14,256; June 23; Gaz. vol. 134; p. 2026.
 "Didier's Bitters." (For Aromatic Bitters.) J. A. Didier. No. 14,526; Dec. 1; Gaz. vol. 137; p. 1235.
 "Diploma del Rey." (For Cigars.) Las Dos Naciones Cigar Co. No. 14,572; Dec. 29; Gaz. vol. 137; p. 2217.
 "Dixie Freckles." (For Candy.) National Candy Company. No. 14,303; July 28; Gaz. vol. 135; p. 892.
 "Doe Gordon." (For Cigars.) G. Dötting. No. 14,464; Nov. 10; Gaz. vol. 137; p. 472.
 "Don Gabral." (For Cigars.) G. Dötting. No. 14,425; Oct. 27; Gaz. vol. 136; p. 1998.
 "Don Grando." (For Cigars.) Seeman Brothers. No. 14,262; June 30; Gaz. vol. 134; p. 2242.
 "Don Gusto." (For Cigars.) A. C. Henschel & Co. No. 14,022; Feb. 4; Gaz. vol. 132; p. 1070.
 "Donna Marietta." (For Cigars.) G. Dötting. No. 14,474; Nov. 10; Gaz. vol. 137; p. 472.
 "Dorothy Dainty Parasols." (For Parasols.) Follmer Clogg & Co. No. 14,099; Mar. 17; Gaz. vol. 133; p. 760.
 "Dorothy Dainty Umbrellas." (For Umbrellas.) Follmer Clogg & Co. No. 14,098; Mar. 17; Gaz. vol. 133; p. 760.
 "Dr. Bizmatt's Celery Tonic." (For a Medicinal Tonic.) G. Sapiro. No. 14,206; May 19; Gaz. vol. 134; p. 773.
 "Dr. I. H. Lewkowicz's Antiseptic Plate Brush." (For Plate-Brush for Artificial Teeth.) I. H. Lewkowicz. No. 14,441; Oct. 27; Gaz. vol. 136; p. 1998.
 "Dr. I. H. Lewkowicz's Antiseptic Tooth Brush." (For Tooth-Brush.) I. H. Lewkowicz. No. 14,399; Oct. 13; Gaz. vol. 136; p. 1530.
 "Dr. I. H. Lewkowicz's Antiseptic Tooth Paste." (For Tooth-Paste.) I. H. Lewkowicz. No. 14,455; Nov. 3; Gaz. vol. 137; p. 226.
 "Dr. I. H. Lewkowicz's Antiseptic Tooth Powder." (For Tooth-Powder.) I. H. Lewkowicz. No. 14,398; Oct. 13; Gaz. vol. 136; p. 1530.
 "Dr. I. H. Lewkowicz's Antiseptic Tooth Wash." (For Tooth-Wash.) I. H. Lewkowicz. No. 14,454; Nov. 3; Gaz. vol. 137; p. 226.
 "Durbur." (For a Carbonated Beverage.) Durbur Beverage Co. No. 14,117; Mar. 31; Gaz. vol. 133; p. 1185.
 "E and S." (For California Olive-Oil.) Ekman-Stow Co. No. 14,189; May 12; Gaz. vol. 134; p. 512.
 "Eden Gem." (For Cantaloup-Seed.) D. V. Burrell. No. 14,132; Apr. 7; Gaz. vol. 133; p. 1432.
 "Egas." (For a Hair-Grower.) M. L. Hirschberg. No. 14,148; Apr. 14; Gaz. vol. 133; p. 1677.
 "Egas." (For a Hair-Grower.) M. L. Hirschberg. No. 14,200; June 23; Gaz. vol. 134; p. 2026.
 "Eggallene." (For Toilet Preparations.) E. Narjot. No. 14,006; Jan. 21; Gaz. vol. 132; p. 676.
 "El Arcazo." (For Cigars.) A. C. Henschel & Co. No. 14,435; Oct. 27; Gaz. vol. 136; p. 1998.
 "El Contrario." (For Cigars.) C. C. Rodenbeck. No. 14,184; May 12; Gaz. vol. 134; p. 512.
 "El Edo." (For Cigars.) Schmidt & Co. No. 14,481; Nov. 10; Gaz. vol. 137; p. 472.
 "El Sagaz." (For Cigars.) G. Dötting. No. 14,471; Nov. 10; Gaz. vol. 137; p. 472.
 "El Stilo." (For Cigars.) Moehle Lithographic Co. No. 14,008; Jan. 28; Gaz. vol. 132; p. 840.
 "El Vincer." (For Cigars.) Moehle Lithographic Co. No. 14,010; Jan. 28; Gaz. vol. 132; p. 840.
 "Electra." (For Perforated Music Sheets or Rolls.) G. H. Davis. No. 14,052; Feb. 18; Gaz. vol. 132; p. 1584.
 "Elegantes." (For Cigars.) G. Dötting. No. 14,488; Nov. 17; Gaz. vol. 137; p. 730.
 "Elfenbräu." (For Beer.) C. & J. Michel Brewing Co. No. 14,374; Sept. 29; Gaz. vol. 136; p. 1066.
 "Elite." (For Cigarettes.) V. P. Pomerantz. No. 13,983; Jan. 14; Gaz. vol. 132; p. 465.
 "Elite." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,241; June 16; Gaz. vol. 134; p. 1801.
 "Eminola." (For Cigars.) Schmidt & Co. No. 13,969; Jan. 7; Gaz. vol. 132; p. 229.
 "Enbärsdricka." (For a Tonic Beverage.) G. T. Lovegran. No. 14,128; Apr. 7; Gaz. vol. 133; p. 1432.
 "Especiales." (For Cigars.) G. Dötting. No. 14,214; May 26; Gaz. vol. 134; p. 1048.
 "Espiola." (For Cigars.) Schmidt & Co. No. 13,967; Jan. 7; Gaz. vol. 132; p. 229.
 "Esquisitos." (For Cigars.) G. Dötting. No. 14,215; May 26; Gaz. vol. 134; p. 1048.
 "Ever Bright Metal Polish." (For a Metal-Polish.) G. Stoecker. No. 14,251; June 16; Gaz. vol. 134; p. 1801.
 "Excellent Medicated Egg and Poultry Tonic." (For Egg and Poultry Food.) M. N. Risser. No. 14,513; Nov. 24; Gaz. vol. 137; p. 976.
 "Exceptionales." (For Cigars.) G. Dötting. No. 14,476; Nov. 10; Gaz. vol. 137; p. 472.
 "Extra Fina." (For Cigars.) Schmidt & Co. No. 14,055; Feb. 25; Gaz. vol. 132; p. 1835.
 "Extra Fina." (For Cigars.) G. Dötting. No. 14,490; Nov. 17; Gaz. vol. 137; p. 730.
 "Extra Pale Beer." (For Beer.) Conrad Seipp Brg. Co. No. 13,994; Jan. 14; Gaz. vol. 132; p. 465.
 "Extras." (For Cigars.) G. Dötting. No. 14,431; Oct. 27; Gaz. vol. 136; p. 1998.
 "Extrait Rose de France." (For Rose Perfume Extract.) C. Rahayel. No. 14,344; Sept. 8; Gaz. vol. 136; p. 435.
 "Eyelets." (For Metal Specialties.) Edwin B. Stimpson Company. No. 14,019; Jan. 28; Gaz. vol. 132; p. 840.
 "Ezeewash." (For a Detergent for Washing Soiled Clothes.) Wm. A. Hoag & Co. No. 14,348; Sept. 8; Gaz. vol. 136; p. 435.
 "Fabrica de Tabacos Superiores Cigarros." (For Cigars.) J. D. Ryan Co. No. 14,544; Dec. 15; Gaz. vol. 137; p. 1708.
 "Fairskin." (For Creams and Lotions.) M. Lowe. No. 14,178; May 5; Gaz. vol. 134; p. 254.
 "Farrell's Wedding Breakfast Brand Table Syrup." (For a Compound of Corn-Syrup, Cane-Syrup, and Flavoring.) Farrell & Company. No. 14,512; Nov. 24; Gaz. vol. 137; p. 976.

Alphabetical list of labels—Continued.

- "**Favoritas.**" (For Cigars.) G. Döttling. No. 14,428; Oct. 27; Gaz. vol. 136; p. 1998.
 "Felice Luna." (For Italian Macaroni.) Basilea & Calandra, Inc. No. 14,227; June 2; Gaz. vol. 134; p. 1296.
 "Ferro-China Marion." (For Medicine.) Mariani Bro's. No. 14,028; Feb. 4; Gaz. vol. 132; p. 1070.
 "Figaro." (For Cigars.) G. Döttling. No. 14,429; Oct. 27; Gaz. vol. 136; p. 1998.
 "Fig Bread." (For Fig Bread.) F. Wedehase. No. 14,093; Mar. 17; Gaz. vol. 133; p. 760.
 "Fir Balsam, Product of Maine." (For Fir-Balsam.) F. S. Huntley. No. 14,371; Sept. 22; Gaz. vol. 136; p. 845.
 "Fire Proof Stove Polish—no more red stove lids." (For a Stove-Polish.) G. Ariens. No. 14,066; Feb. 25; Gaz. vol. 132; p. 1835.
 "Flaksamo." (For Canned Salmon.) R. A. Leonard and Co. No. 14,448; Nov. 3; Gaz. vol. 137; p. 226.
 "Flor Fina." (For Cigars.) Schmidt & Co. No. 14,037; Feb. 11; Gaz. vol. 132; p. 1318.
 "Flor Fina." (For Cigars.) G. Döttling. No. 14,196; May 19; Gaz. vol. 134; p. 773.
 "Flor de Isla." (For Cigars.) G. Döttling. No. 14,465; Nov. 10; Gaz. vol. 137; p. 472.
 "Fluffy Ruffles Starch." (For Laundry Starch.) Independent Starch Company. No. 14,172; Apr. 28; Gaz. vol. 133; p. 2178.
 "Fold up the tube as cream is used." (For Dental Cream.) Colgate & Co. No. 14,228; June 2; Gaz. vol. 134; p. 1296.
 "Food Laxative." (For a Medical Preparation.) Laxative Food Company. No. 14,110; Mar. 24; Gaz. vol. 133; p. 989.
 "Forgetmenot Fruit Label Book." (For Books of Labels.) H. E. Goodenow. No. 14,509; Nov. 17; Gaz. vol. 137; p. 730.
 "4 Queens Brand of Evaporated Product of Apples." (For an Evaporated Product of Apples.) J. W. Teasdale & Co. No. 14,177; May 5; Gaz. vol. 134; p. 254.
 "Fox Head." (For Ginger-Ale.) Waukesha Imperial Springs Co. No. 14,497; Nov. 17; Gaz. vol. 137; p. 730.
 "Foxy Ma Kindergarten Game." (For a Game.) H. D. Gardy. No. 13,980; Jan. 7; Gaz. vol. 132; p. 229.
 "Freeman's Violet Talcum." (For Talcum Powder.) Freeman Perfume Co. No. 14,577; Dec. 29; Gaz. vol. 137; p. 2217.
 "Freihofer's Macaroni." (For Macaroni.) Freihofer Vienna Baking Co. No. 13,989; Jan. 14; Gaz. vol. 132; p. 465.
 "Freihofer's Noodles." (For Noodles.) Freihofer Vienna Baking Co. No. 14,004; Jan. 21; Gaz. vol. 132; p. 676.
 "Freihofer's Soup Pastels." (For Soup-Pastels.) Freihofer Vienna Baking Co. No. 13,993; Jan. 14; Gaz. vol. 132; p. 465.
 "Freihofer's Spaghetti." (For Spaghetti.) Freihofer Vienna Baking Co. No. 13,990; Jan. 14; Gaz. vol. 132; p. 465.
 "Freihofer's Vermicelli." (For Vermicelli.) Freihofer Vienna Baking Co. No. 14,003; Jan. 21; Gaz. vol. 132; p. 676.
 "Freihofer's Vienna Bread Crumbs." (For Bread-Crumbs.) Freihofer Vienna Baking Co. No. 13,984; Jan. 14; Gaz. vol. 132; p. 465.
 "Freihofer's Vienna Cracker Dust." (For Cracker-Dust.) Freihofer Vienna Baking Co. No. 13,985; Jan. 14; Gaz. vol. 132; p. 465.
 "Fringe Point." (For Embroidered Lace.) Kursheidt Manufg Co. No. 14,122; Mar. 31; Gaz. vol. 133; p. 1185.
 "Frost Queen Skin Balm." (For Skin-Balm.) W. Bickmeier. No. 14,400; Oct. 13; Gaz. vol. 136; p. 1530.
 "Fruit Extracts." (For Fruit Extracts for Beverages.) Adrien Bros. No. 14,264; June 30; Gaz. vol. 134; p. 2242.
 "Fruitl." (For Carbonated Apple-Juice.) Klammer Bros. No. 14,367; Sept. 22; Gaz. vol. 136; p. 845.
 "Gartlet, 'A Garter Without Harness.'" (For Garters.) C. C. Platt. No. 14,315; Aug. 4; Gaz. vol. 135; p. 1119.
 "Gen. Hazen." (For Cigars.) A. Valdes. No. 14,395; Oct. 13; Gaz. vol. 136; p. 1530.
 "Genco." (For Cigars.) M. Gaffner. No. 14,036; Feb. 11; Gaz. vol. 132; p. 1318.
 "Gillham's Aro-Pepsin." (For a Non-Alcoholic Fountain Beverage.) R. J. Gillham. No. 14,525; Dec. 1; Gaz. vol. 137; p. 1235.
 "Goitrene." (For a Medicinal Preparation.) Goitrene Company. No. 14,337; Sept. 1; Gaz. vol. 136; p. 223.
 "Gold Crown Beer." (For Beer.) Eureka Brewing Company. No. 14,563; Dec. 22; Gaz. vol. 137; p. 1937.
 "Gold Medal Bread." (For Bread.) F. T. Short. No. 14,415; Oct. 20; Gaz. vol. 136; p. 1766.
 "Gold Seal." (For Cantaloups.) Strachan Fruit Company. No. 14,221; May 26; Gaz. vol. 134; p. 1048.
 "Golden Gem Brand." (For Cantaloups.) Strachan Fruit Company. No. 14,222; May 26; Gaz. vol. 134; p. 1048.
 "Golden Rule Brand." (For Cantaloups.) Strachan Fruit Company. No. 14,220; May 26; Gaz. vol. 134; p. 1048.
 "Golden Rule Brand." (For Apples.) P. G. Sheehy. No. 14,576; Dec. 29; Gaz. vol. 137; p. 2217.
 "Golden Sheaf Flour." (For Wheat-Flour.) City Mills Company. No. 14,300; July 28; Gaz. vol. 135; p. 892.
 "Gold's Zigel Bread Made of Pure Rye Flour." (For Bread.) S. Gold. No. 14,146; Apr. 14; Gaz. vol. 133; p. 1677.
 "Gordon's Bitters." (For Bitters.) Gordon Bitters Co. No. 14,237; June 9; Gaz. vol. 134; p. 1560.
 "Govanas." (For Cigars.) Schmidt & Co. No. 14,482; Nov. 10; Gaz. vol. 137; p. 472.
 "Gran Comercio." (For Cigars.) G. Döttling. No. 14,466; Nov. 10; Gaz. vol. 137; p. 472.
 "Grand Sultan." (For Cigars.) L. B. Cigar Company. No. 14,545; Dec. 15; Gaz. vol. 137; p. 1708.
 "Grandma's Cleaner." (For a Cleaning Preparation.) Grandma's Manufacturing Company. No. 14,159; Apr. 21; Gaz. vol. 133; p. 1933.
 "Griffing Chocolate Co. Breakfast Cocoa." (For Cocoa.) Griffing Chocolate Company. No. 14,413; Oct. 20; Gaz. vol. 136; p. 1766.
 "Guardamos." (For Cigars.) G. Döttling. No. 14,426; Oct. 27; Gaz. vol. 136; p. 1998.
 "Gypsy Queen." (For Cigars.) C. Schweitzer. No. 14,020; Feb. 4; Gaz. vol. 132; p. 1070.
 "Hand Made." (For Cigars.) Schmidt & Co. No. 14,321; Aug. 25; Gaz. vol. 135; p. 1800.
 "Hanover Tartar." (For a Preparation for Cake-Baking.) Hanover Mfg. Comp. No. 13,987; Jan. 14; Gaz. vol. 132; p. 465.
 "Hammer." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,047; Feb. 18; Gaz. vol. 132; p. 1584.
 "Harban's Herb Tablets." (For a Medicinal Compound.) J. H. Harban. No. 14,005; Jan. 21; Gaz. vol. 132; p. 676.
 "Harvard-Yale-Princeton Crews Bath Powder." (For Bath-Powder.) J. L. De Zeabault. No. 14,229; June 2; Gaz. vol. 134; p. 1296.
 "Hattie Hall." (For Cigars.) Wilkowski Bros. No. 14,254; June 23; Gaz. vol. 134; p. 2026.
 "Headless Rivets." (For Rivets.) Edwin B. Stimpson Company. No. 13,981; Jan. 7; Gaz. vol. 132; p. 229.
 "Heal-Al." (For Salve.) Ericka Mfg. Company. No. 14,130; Apr. 7; Gaz. vol. 133; p. 1432.
 "Health Beer." (For Beer.) Milwaukee-Waukesha Brewing Company. No. 14,511; Nov. 24; Gaz. vol. 137; p. 976.
 "Health Hose." (For Hosiery.) Wilkes Barre Knitting Mills Company. No. 14,358; Sept. 15; Gaz. vol. 136; p. 656.
 "Henry Draper." (For Cigars.) Moehle Lithographic Co. No. 14,009; Jan. 28; Gaz. vol. 132; p. 840.
 "Hercules Bread." (For Bread.) V. M. Newton. No. 14,071; Mar. 3; Gaz. vol. 133; p. 227.
 "Herlig's Sparkling Piano Polish." (For a Piano-Polish.) Herlig Manufacturing Company. No. 14,355; Sept. 15; Gaz. vol. 136; p. 656.
 "High Bred." (For Compound Rye Whisky.) W. Hartman. No. 14,244; June 16; Gaz. vol. 134; p. 1801.
 "High Grade." (For Beer.) Wilmanns Bros. Co. No. 14,546; Dec. 15; Gaz. vol. 137; p. 1708.
 "Highest Award Quality Cigars." (For Cigars.) American Lithographic Co. No. 14,446; Nov. 3; Gaz. vol. 137; p. 226.
 "Highestgrade Handkerchiefs." (For Handkerchiefs.) F. J. Crystal. No. 14,579; Dec. 29; Gaz. vol. 137; p. 2217.
 "Highland Chief Rheumatic Remedy." (For a Rheumatic Remedy.) J. E. Dunlap. No. 14,040; Feb. 11; Gaz. vol. 132; p. 1318.
 "Holsum." (For Bread.) Anthony Baking Company. No. 14,341; Sept. 8; Gaz. vol. 136; p. 435.
 "Hot Springs Specific Disks." (For a Remedy for the Blood, Stomach, Bowels, Liver, and Kidneys.) Hot Springs Medicine Co. No. 14,248; June 16; Gaz. vol. 134; p. 1801.
 "Household." (For Tomato Pulp.) I. Levin. No. 14,257; June 23; Gaz. vol. 134; p. 2026.
 "Huebner's Tru-Bru." (For a Non-Alcoholic Beverage.) Smith Lithographic Co. No. 14,564; Dec. 22; Gaz. vol. 137; p. 1937.
 "I-Need-A Rubber Roofing and Paint." (For Rubber Roofing and Paint.) I-Need-A Rubber Roofing and Paint Co. No. 14,194; May 12; Gaz. vol. 134; p. 512.
 "I-Tone." (For Antiseptic Eye-Drops.) W. L. Snow. No. 14,528; Dec. 1; Gaz. vol. 137; p. 1235.
 "Iciline." (For a Preparation for Cake-Baking.) Hanover Mfg. Comp. No. 13,986; Jan. 14; Gaz. vol. 132; p. 465.
 "Imperial Caviar." (For Caviar.) N. Pushkareff. No. 14,258; June 23; Gaz. vol. 134; p. 2026.
 "Imperiales." (For Cigars.) G. Döttling. No. 14,213; May 26; Gaz. vol. 134; p. 1048.
 "Improved Gem Clips." (For Clips for Holding Papers.) G. W. McGill. No. 14,554; Dec. 15; Gaz. vol. 137; p. 1708.
 "Independent Liquor Co." (For Liquors.) Independent Liquor Co. No. 14,143; Apr. 14; Gaz. vol. 133; p. 1677.
 "Indian Tonic Bitters." (For a Medical Compound.) J. C. Veader. No. 14,016; Jan. 28; Gaz. vol. 132; p. 840.
 "Innershu." (For Inside Shoes for Tires.) Inner Shoe Tire Co. No. 14,540; Dec. 8; Gaz. vol. 137; p. 1480.
 "Invincible." (For Cigars.) G. Döttling. No. 14,475; Nov. 10; Gaz. vol. 137; p. 472.
 "J. B. Actress's Health and Beauty Bath Powder." (For a Bath-Powder.) J. L. De Zeabault. No. 14,236; June 9; Gaz. vol. 134; p. 1560.
 "J. Clavel Company." (For Cordials.) J. Clavel Wine & Cordial Co. Nos. 14,014-15; Jan. 28; Gaz. vol. 132; p. 840.
 "J. Clavel Company Vermouth." (For Vermouth.) J. Clavel Wine & Cordial Co. No. 14,204; May 19; Gaz. vol. 134; p. 773.
 "J. Pollack's Famous Stogies." (For Stogies.) J. Pollack. No. 14,411; Oct. 20; Gaz. vol. 136; p. 1766.
 "Jacob Ruppert Extra Beer." (For Lager-Beer.) J. Ruppert. No. 14,137; Apr. 14; Gaz. vol. 133; p. 1677.
 "Jacob Ruppert's Extract of Malt." (For Extract of Malt.) J. Ruppert. No. 14,219; May 26; Gaz. vol. 134; p. 1048.
 "Jacob Ruppert Knickerbocker Beer." (For Lager-Beer.) J. Ruppert. No. 14,139; Apr. 14; Gaz. vol. 133; p. 1677.
 "Jacob Ruppert Metropolitan Beer." (For Lager-Beer.) J. Ruppert. No. 14,218; May 26; Gaz. vol. 134; p. 1048.
 "Jacob Ruppert Ruppiner Beer." (For Lager-Beer.) J. Ruppert. No. 14,138; Apr. 14; Gaz. vol. 133; p. 1677.
 "James Lindsay." (For Cigars.) L. E. Neuman & Co. No. 14,253; June 23; Gaz. vol. 134; p. 2026.
 "Jan Six." (For Cigars.) Schmidt & Co. No. 14,292; July 21; Gaz. vol. 135; p. 660.
 "Janice." (For Candy.) National Candy Company. No. 14,057; Feb. 25; Gaz. vol. 132; p. 1835.
 "Jap-A-Ice." (For an Ointment.) R. Reames. No. 14,109; Mar. 24; Gaz. vol. 133; p. 989.
 "John Torrey." (For Cigars.) Moehle Lithographic Co. No. 14,013; Jan. 28; Gaz. vol. 132; p. 840.

Alphabetical list of labels—Continued.

- "Jumbo Brand." (For Salted Peanuts.) S. A. Shurtleff. No. 14,158; Apr. 21; Gaz. vol. 133; p. 1932.
- "K. and S." (For Beer.) Kamm & Schellinger Brewing Co. No. 14,142; Apr. 14; Gaz. vol. 133; p. 1677.
- "Kaiser's Corn Root." (For a Medical Preparation for the Removing of Corns from Human Feet.) F. Kaiser. No. 14,180; May 5; Gaz. vol. 134; p. 254.
- "Kant Steam." (For a Preparation to Prevent Steaming or Blurring of Eyeglasses in Cold Weather.) Kant Steam Chemical Co. No. 14,032; Feb. 4; Gaz. vol. 132; p. 1070.
- "Kantleak Duck." (For a Waterproofed Duck.) H. Gitterman & Co. No. 14,422; Oct. 20; Gaz. vol. 136; p. 1766.
- "Karma." (For Cigars.) W. Steinmeier. No. 14,048; Feb. 18; Gaz. vol. 132; p. 1584.
- "Kaskara Pills." (For Cascara Pills for Chronic Constipation.) Eureka Chemical Co. No. 14,346; Sept. 8; Gaz. vol. 136; p. 435.
- "Kastrol." (For a Liquid Preparation of Castor-Oil.) S. P. Crandall. No. 14,549; Dec. 15; Gaz. vol. 137; p. 1708.
- "Keepudry." (For Rain-Coats.) L. G. Titus. No. 14,340; Sept. 1; Gaz. vol. 136; p. 223.
- "Kenton Perfection Coffee." (For Coffee.) Kenton Baking Powder Company. No. 14,285; July 14; Gaz. vol. 135; p. 448.
- "Kerchiefs." (For Handkerchiefs.) Royal Paper Box Mfg. Co. No. 14,173; Apr. 28; Gaz. vol. 133; p. 2178.
- "Kerchiefs." (For Handkerchiefs.) Royal Paper Box Manufacturing Company. No. 14,423; Oct. 20; Gaz. vol. 136; p. 1766.
- "Keystone." (For Condensed Milk.) Lackawanna Dairy Company. No. 14,377; Sept. 29; Gaz. vol. 136; p. 1066.
- "Kitchen Klenzer." (For Powdered Scouring-Soap.) Fitzpatrick Bros. No. 14,506; Nov. 17; Gaz. vol. 137; p. 730.
- "Kleanwell." (For Tooth-Brushes.) Alfred H. Smith Co. No. 14,416; Oct. 20; Gaz. vol. 136; p. 1766.
- "Kleanwell." (For Tooth-Brushes.) Alfred H. Smith Co. No. 14,503; Nov. 17; Gaz. vol. 137; p. 730.
- "Klinghoffer's Metal Polish." (For Metal-Polish.) H. Klinghoffer. No. 14,230; June 2; Gaz. vol. 134; p. 1296.
- "Kumfort." (For Corset-Laces.) H. Gitterman & Co. No. 14,407; Oct. 13; Gaz. vol. 136; p. 1530.
- "La Adarga." (For Cigars.) G. Dötting. No. 14,468; Nov. 10; Gaz. vol. 137; p. 472.
- "La Cedarosa." (For Cigars.) American Lithographic Company. No. 14,152; Apr. 21; Gaz. vol. 133; p. 1933.
- "La Covia Blend Coffee." (For Coffee.) W. Davidson. No. 14,090; Mar. 17; Gaz. vol. 133; p. 760.
- "La Creme 'Disinfectine' Toilet Soap." (For Toilet Soap.) Hygienic Products Co. No. 14,439; Oct. 27; Gaz. vol. 136; p. 1998.
- "La Modesta." (For Cigars.) Schmidt & Co. No. 14,517; Dec. 1; Gaz. vol. 137; p. 1235.
- "La Premonette." (For Cigars.) Schmidt & Co. No. 13,968; Jan. 7; Gaz. vol. 132; p. 229.
- "La Ritica." (For Cigars.) Schmidt & Co. No. 13,966; Jan. 7; Gaz. vol. 132; p. 229.
- "La Señorita." (For Pepper-Sauce.) E. C. Ortega. No. 13,992; Jan. 14; Gaz. vol. 132; p. 465.
- "Lake Foot Rest." (For a Foot-Powder.) Lake Chemical Company. No. 14,120; Mar. 31; Gaz. vol. 133; p. 1185.
- "Land Mark." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,240; June 16; Gaz. vol. 134; p. 1801.
- "Latest Queen Java Whip." (For Whips.) L. H. Beals & Son Co. No. 14,443; Oct. 27; Gaz. vol. 136; p. 1998.
- "Lavengro." (For Cigars.) Schmidt & Co. No. 14,293; July 21; Gaz. vol. 135; p. 660.
- "Lebensgold." (For a Non-Alcoholic Beverage.) C. H. Sommer & Company. No. 14,144; Apr. 14; Gaz. vol. 133; p. 1677.
- "Léhealol Soap." (For Soap.) Léhealol Company. No. 14,085; Mar. 10; Gaz. vol. 133; p. 511.
- "Leon De Lis." (For Cigars.) American Lithographic Company. No. 14,198; May 19; Gaz. vol. 134; p. 773.
- "Leon De Lis A." (For Cigars.) American Lithographic Company. No. 14,281; July 14; Gaz. vol. 135; p. 448.
- "Lewis' Tea." (For Tea.) George Lewis & Co. No. 14,078; Mar. 10; Gaz. vol. 133; p. 511.
- "Lewis' Tea." (For Tea.) Geo. Lewis & Co. No. 14,352; Sept. 15; Gaz. vol. 136; p. 656.
- "Lilac Girl." (For Candy.) National Candy Company. No. 14,058; Feb. 25; Gaz. vol. 132; p. 1835.
- "Listered Pepsin Gum." (For Chewing-Gum.) Common Sense Gum Company. No. 14,026; Feb. 4; Gaz. vol. 132; p. 1070.
- "Litch's Hygienic Bath." (For Liniment.) L. W. Litch. No. 14,031; Feb. 4; Gaz. vol. 132; p. 1070.
- "Little Whiskey." (For Whisky.) G. A. Aufrecht. No. 14,115; Mar. 31; Gaz. vol. 133; p. 1185.
- "Lord Bristol." (For Cigars.) Moehle Lithographic Co. No. 14,310; Aug. 4; Gaz. vol. 135; p. 1119.
- "Loredano." (For Cigars.) Schmidt & Co. No. 14,290; July 21; Gaz. vol. 135; p. 660.
- "Lowney's Milk Chocolate Creams." (For Milk-Chocolate Creams.) Walter M. Lowney Co. No. 14,267; June 30; Gaz. vol. 134; p. 2242.
- "Lowney's Nugatines." (For Nugatines.) Walter M. Lowney Co. No. 14,265; June 30; Gaz. vol. 134; p. 2242.
- "Macrum's Celebrated Liniment." (For a Liniment for Man and Beast.) C. Ritter. No. 14,402; Oct. 13; Gaz. vol. 136; p. 1539.
- "Magic Twins Inky Racers." (For Liquid Ink Erasure.) Dr. Wm. R. Wales. No. 14,208; May 19; Gaz. vol. 134; p. 773.
- "Majestic." (For Beer.) Wilmanns Bros. Co. No. 14,166; Apr. 28; Gaz. vol. 133; p. 2178.
- "Malt Foam." (For a Malt Beverage.) Grand Rapids Brewing Co. No. 14,263; June 30; Gaz. vol. 134; p. 2242.
- "Malt Mead." (For a Non-Intoxicating Beer.) Lexington Brewing Company. No. 14,154; Apr. 21; Gaz. vol. 133; p. 1933.
- "Malt Rose." (For Beer.) Reno Brewing Co. No. 14,127; Apr. 7; Gaz. vol. 133; p. 1432.
- "Malt Vita." (For Malt Extract.) Garden City Brewery. No. 14,386; Oct. 6; Gaz. vol. 136; p. 1295.
- "Manhattan." (For Bread.) H. Vogelman. No. 14,523; Dec. 1; Gaz. vol. 137; p. 1235.
- "Manheim Mendless Socks." (For Hosiery.) Manheim Hosiery Mills Co. No. 14,270; June 30; Gaz. vol. 134; p. 2242.
- "Margaret Dale." (For Cigars.) American Lithographic Company. No. 14,487; Nov. 17; Gaz. vol. 137; p. 730.
- "Marie's Cough Syrup." (For a Cough-Syrup.) Marie Remedy Co. No. 14,304; July 28; Gaz. vol. 135; p. 892.
- "Mark 'Quality' Cup Leathers." (For Cup-Leathers.) Mark Manf'g. Co. No. 14,485; Nov. 10; Gaz. vol. 137; p. 472.
- "Mark 'Standard' Cup Leathers." (For Cup-Leathers.) Mark Manf'g. Co. No. 14,486; Nov. 10; Gaz. vol. 137; p. 472.
- "Marvel Bread." (For Bread.) F. T. Short. No. 14,567; Dec. 22; Gaz. vol. 137; p. 1937.
- "Maltese Cross Brand." (For Raisins.) W. Pike. No. 14,024; Feb. 4; Gaz. vol. 132; p. 1070.
- "Mamma's Recipes for Keeping Papa Home or '23' for the Cook and 100 for the Chap and the Chafer." (For Culinary Receipts.) Colonial Cook-Card Co. No. 13,988; Jan. 14; Gaz. vol. 132; p. 465.
- "McBrady's American Beauty Face Powder." (For Face-Powder.) No. 14,192; May 12; Gaz. vol. 134; p. 512.
- "McClure and Berman's Typhoid Fever Remedy." (For Typhoid-Fever Remedy.) J. McClure and N. Berman. No. 14,224; May 26; Gaz. vol. 134; p. 1048.
- "McCord's Extras." (For Canned Peaches.) McCord Mercantile Co. No. 14,388; Oct. 6; Gaz. vol. 136; p. 1295.
- "McFadden's Dan-Do." (For a Hair-Tonic.) R. M. McFadden. No. 14,207; May 19; Gaz. vol. 134; p. 773.
- "Medal Brand." (For Cigars.) American Lithographic Co. No. 14,447; Nov. 3; Gaz. vol. 137; p. 226.
- "Medallion." (For Cigars.) Schmidt & Co. No. 14,289; July 21; Gaz. vol. 135; p. 660.
- "Medicated Naphthaline Remedies." (For Medicines.) T. P. Withers. No. 14,171; Apr. 28; Gaz. vol. 133; p. 2178.
- "Mellow Bräu." (For Beer.) Appleton Brewing & Malting Co. No. 14,140; Apr. 14; Gaz. vol. 133; p. 1677.
- "Merry Widow." (For Chocolates.) National Candy Company. No. 14,266; June 30; Gaz. vol. 134; p. 2242.
- "Merry Widow." (For Cigars.) J. F. Waska. No. 14,297; July 28; Gaz. vol. 135; p. 892.
- "Messer's Charcoal Gum." (For Charcoal Chewing-Gum.) J. L. Messer. No. 14,294; July 21; Gaz. vol. 135; p. 660.
- "Mezcal Tequila." (For a Liquor.) Mezcal Tequila Distillery Co. No. 14,200; May 19; Gaz. vol. 134; p. 773.
- "Milne's Caro-Balsam Hair Restorer." (For Hair-Restorer.) H. Milne. No. 14,401; Oct. 13; Gaz. vol. 136; p. 1530.
- "Mint-Ale Non-Intoxicant Beverage." (For a Beverage.) H. E. Knaust. No. 14,353; Sept. 15; Gaz. vol. 136; p. 656.
- "Miss Primrose." (For Cigars.) G. Dötting. No. 14,472; Nov. 10; Gaz. vol. 137; p. 472.
- "Mme. Helene's Golden Hair Tonic." (For Hair-Tonic.) R. C. Smith. No. 14,453; Nov. 3; Gaz. vol. 137; p. 226.
- "Mme. Schoham's Hair Restorer." (For a Medicinal Preparation.) B. Schoham. No. 14,451; Nov. 3; Gaz. vol. 137; p. 226.
- "Monarch Cream." (For a Preparation for Purifying, Cleansing, and Healing the Skin.) Monarch Cream Co. No. 14,095; Mar. 17; Gaz. vol. 133; p. 760.
- "Morris's Anti-Rust." (For a Dressing or Polish for Gas and Coal Ranges and other Metal Articles.) W. C. Morris. No. 14,150; Apr. 14; Gaz. vol. 133; p. 1677.
- "Mosaic Puzzle." (For Mosaic Puzzle.) O. F. R. Bruce. No. 14,559; Dec. 15; Gaz. vol. 137; p. 1708.
- "Mother Jones Bug Poison." (For a Disinfectant.) A. Weinstein. No. 14,131; Apr. 7; Gaz. vol. 133; p. 1432.
- "Munsell's Mica." (For Mica.) E. Munsell & Co. No. 14,279; July 7; Gaz. vol. 135; p. 216.
- "Muroña." (For Cigars.) American Lithographic Company. No. 14,153; Apr. 21; Gaz. vol. 133; p. 1933.
- "Murray's Diamond Cleanser The Housekeeper's Friend." (For Cleansing Compounds.) Murray Mfg. Co. No. 14,086; Mar. 10; Gaz. vol. 133; p. 511.
- "N. W. D. G. A. Standard Scale." (For Men's, Women's, Children's, and Infants' Underwear.) G. B. Haliday. No. 14,556; Dec. 15; Gaz. vol. 137; p. 1708.
- "Narragansett." (For Ribbed Shirts.) E. D. St. George Co. No. 14,239; June 9; Gaz. vol. 134; p. 1560.
- "National Temple." (For Cigars.) National Temple of Labor. No. 14,163; Apr. 28; Gaz. vol. 133; p. 2178.
- "Navajo." (For Canned Corn.) McCord Mercantile Company. No. 14,378; Sept. 29; Gaz. vol. 136; p. 1066.
- "Neurotunder." (For Local Anesthetics.) Kreoden Mfg. Co. No. 14,030; Feb. 4; Gaz. vol. 132; p. 1070.
- "New Bone Rawhide Whip." (For Whips.) L. H. Beals & Son Co. No. 14,442; Oct. 27; Gaz. vol. 136; p. 1998.
- "New Yankee Cleanser." (For a Cleanser.) A. T. Smith. No. 14,121; Mar. 31; Gaz. vol. 133; p. 1185.
- "Night" "Morning" "Day." (For Ladies' Hair-Wavers.) Strate-Fold Manufacturing Co. No. 14,406; Oct. 13; Gaz. vol. 136; p. 1530.
- "Niles & Moser's Hand Made." (For Cigars.) Niles & Moser's Cigar Co. No. 14,323; Aug. 25; Gaz. vol. 135; p. 1800.
- "Nipper Brand." (For Ginger-Ale.) Red Rock Spring Water Co. No. 14,167; Apr. 28; Gaz. vol. 133; p. 2178.

Alphabetical list of labels—Continued.

- "Nita Allen." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,274; July 7; Gaz. vol. 133; p. 216.
 "No-Dust." (For a Compound to be Used for the Purpose of Allaying Dust when Sweeping Floors.) Webb-Freyschlag Merc. Co. No. 14,421; Oct. 20; Gaz. vol. 136; p. 1766.
 "Noble Roman." (For Cigars.) Schmidt & Co. No. 14,232; June 9; Gaz. vol. 134; p. 1560.
 "Non Plus Ultra." (For Cigars.) G. Dötting. No. 14,467; Nov. 10; Gaz. vol. 137; p. 472.
 "Nutrio." (For Nut-Chocolate.) Huyler's. No. 14,575; Dec. 29; Gaz. vol. 137; p. 2217.
 "O. K. Fibre Paper for Wrapping Meats and Dry Goods." (For Wrapping-Paper.) G. A. Manz. No. 14,531; Dec. 1; Gaz. vol. 137; p. 1235.
 "Ogee Fibre Paper for Wrapping Meats and Dry Goods." (For Wrapping-Paper.) G. A. Manz. No. 14,532; Dec. 1; Gaz. vol. 137; p. 1235.
 "Old Advocate Whiskey." (For Blended Whisky.) Pederson Mercantile Co. No. 14,496; Nov. 17; Gaz. vol. 137; p. 730.
 "Old Country Assam Tea." (For Tea.) N. J. Petersen. No. 14,155; Apr. 21; Gaz. vol. 133; p. 1933.
 "Old English Gray Ware." (For Enamel-Ware.) Republic Stamping & Enameling Co. No. 14,533; Dec. 1; Gaz. vol. 137; p. 1235.
 "Old Faithful." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,243; June 16; Gaz. vol. 134; p. 1801.
 "Old Q." (For Cigars.) Schmidt & Co. No. 14,234; June 9; Gaz. vol. 134; p. 1560.
 "Old Time Rio Coffee." (For Coffee.) Cluton Forge Grocery Company, Incorporated. No. 14,145; Apr. 14; Gaz. vol. 133; p. 1677.
 "Ole English Mince." (For Mince.) Oliver Bros. No. 14,025; Feb. 4; Gaz. vol. 132; p. 1070.
 "Olio Puro d'Olive." (For Italian Olive-Oil.) J. Petrocelli. No. 14,548; Dec. 15; Gaz. vol. 137; p. 1708.
 "One-at-Night Tablets." (For a Medicine for Constipation, Liver Trouble, and Biliousness.) P. C. Reed. No. 14,278; July 7; Gaz. vol. 135; p. 216.
 "Ortega Brand." (For a Canned Preparation of Chilli and Tomatoes.) Pioneer Green Chile Packing Co. No. 14,326; Aug. 25; Gaz. vol. 135; p. 1800.
 "Ortega's Salsa." (For Green-Chilli Sauce.) E. C. Ortega. No. 14,091; Mar. 17; Gaz. vol. 133; p. 760.
 "Overland." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,125; Apr. 7; Gaz. vol. 133; p. 1432.
 "Owen's Rheumatic Remedy." (For a Rheumatic Remedy.) J. H. Owens. No. 14,356; Sept. 15; Gaz. vol. 136; p. 656.
 "Oxford Linen Mills Pure Linen." (For Linen.) Oxford Linen Mills. No. 14,424; Oct. 20; Gaz. vol. 136; p. 1766.
 "Oxydase." (For Oxidized Essential Oils and Carbohydrates.) E. C. Getsinger. No. 14,403; Oct. 13; Gaz. vol. 136; p. 1530.
 "Paccarat." (For Furniture.) Pacific Coast Rattan Co. Inc. No. 14,007; Jan. 21; Gaz. vol. 132; p. 676.
 "Panetelas." (For Cigars.) G. Dötting. No. 14,432; Oct. 27; Gaz. vol. 136; p. 1998.
 "Papap's Rheumatism Specific." (For a Medicine.) P. G. Papas. No. 14,118; Mar. 31; Gaz. vol. 133; p. 1185.
 "Parmer's Diamond P." (For Coffee.) F. D. Parmer Co. No. 14,276; July 7; Gaz. vol. 135; p. 216.
 "Patience Puzzle." (For Picture-Puzzles.) H. F. Jones. No. 14,456; Nov. 3; Gaz. vol. 136; p. 226.
 "Penn." (For Beer.) Consumers Brewing Company. No. 14,282; July 14; Gaz. vol. 135; p. 448.
 "Peptonol." (For Extract of Cod-Liver Oil.) Standard Drug & Chemical Co. No. 13,973; Jan. 7; Gaz. vol. 132; p. 229.
 "Perfecto Garcia & Bros." (For Cigars.) Perfecto Garcia & Bros. No. 14,573; Dec. 29; Gaz. vol. 137; p. 2217.
 "Perfectos." (For Cigars.) G. Dötting. No. 14,430; Oct. 27; Gaz. vol. 136; p. 1998.
 "Perferidos." (For Cigars.) G. Dötting. No. 14,433; Oct. 27; Gaz. vol. 136; p. 1998.
 "Perla del Mar." (For Cigars.) P. Garcia & Bros. No. 14,322; Aug. 25; Gaz. vol. 135; p. 1800.
 "Perplexity Puzzle." (For Puzzle.) M. H. Richardson. No. 14,287; July 14; Gaz. vol. 135; p. 448.
 "Perro Non-Intoxicant Beverage." (For a Beverage.) H. E. Knaust. No. 14,188; May 12; Gaz. vol. 134; p. 512.
 "Perry's Magic Tooth Paste." (For Tooth-Paste.) B. A. Perry. No. 14,343; Sept. 8; Gaz. vol. 136; p. 435.
 "Persiprine." (For a Remedy for Excessive Perspiration and for Odors Arising from the Skin.) H. H. Lepper. No. 14,286; July 14; Gaz. vol. 135; p. 448.
 "Petit Bouquet." (For Cigars.) G. Dötting. No. 14,480; Nov. 10; Gaz. vol. 137; p. 472.
 "Pimientos Morones." (For Bell-Peppers.) E. C. Ortega. No. 13,991; Jan. 14; Gaz. vol. 132; p. 465.
 "Pink Velvetine Face Wash." (For a Face-Wash.) Meyer Nilsson Company. No. 14,318; Aug. 18; Gaz. vol. 135; p. 1580.
 "Pioneer Stogies." (For Stogies.) A. Hurwitz. No. 14,316; Aug. 18; Gaz. vol. 135; p. 1580.
 "Pirate and Traveler." (For a Game.) New Idea Game Company. No. 14,580; Dec. 29; Gaz. vol. 137; p. 2217.
 "Poinsettia Creamery." (For Butter.) L. H. Young. No. 14,156; Apr. 21; Gaz. vol. 133; p. 1933.
 "Polly's Imported Furniture Cream." (For a Dressing for Furniture, Leather, or Metals.) G. B. Wilkins. No. 14,181; May 5; Gaz. vol. 134; p. 254.
 "Pond Lily." (For Cold-Cream.) S. M. Sargeant. No. 14,379; Sept. 29; Gaz. vol. 136; p. 1066.
 "Pour La Noblesse." (For Cigars.) G. Dötting. No. 14,478; Nov. 10; Gaz. vol. 137; p. 472.
 "Preferred Stock." (For Oranges.) Bryn Mawr Hights Citrus Ass'n. No. 14,568; Dec. 22; Gaz. vol. 137; p. 1937.
 "Prepared Blue Process Paper." (For Blue-Print Paper.) Keystone Blue Paper Co. No. 14,209; May 19; Gaz. vol. 134; p. 773.
 "Pride of Columbus." (For Cigars.) N. Himmelweit & Co. No. 14,385; Oct. 6; Gaz. vol. 136; p. 1295.
 "Primacia." (For Cigars.) Schmidt & Co. No. 14,519; Dec. 1; Gaz. vol. 137; p. 1235.
 "Primeros." (For Cigars.) Schmidt & Co. No. 14,136; Apr. 14; Gaz. vol. 133; p. 1677.
 "Princess Cold Cream." (For a Salve for Cleansing the Face and Removing Impurities from the Skin.) H. H. Lepper. No. 14,044; Feb. 11; Gaz. vol. 132; p. 1318.
 "Priola." (For Cigars.) G. Dötting. No. 14,489; Nov. 17; Gaz. vol. 137; p. 730.
 "Prof. Garcia." (For Cigars.) Moehle Lithographic Co. No. 14,311; Aug. 4; Gaz. vol. 135; p. 1119.
 "Prost." (For Lager-Beer.) J. D. Puff. No. 14,521; Dec. 1; Gaz. vol. 137; p. 1235.
 "Protecto." (For Cigars.) Schmidt & Co. No. 14,518; Dec. 1; Gaz. vol. 137; p. 1235.
 "Proxy." (For a Non-Intoxicating Beverage Made from Malt and Hops.) Schwarzenbach Brewing Co. No. 14,363; Sept. 22; Gaz. vol. 136; p. 845.
 "Pugh's Magic Liniment." (For a Liniment.) Pugh Brother's Company. No. 14,249; June 16; Gaz. vol. 134; p. 1801.
 "Pura Semola." (For Macaroni.) F. Ricciardelli. No. 14,039; Feb. 11; Gaz. vol. 132; p. 1318.
 "Pyro Gas Outfit." (For a Gas Pyrographic Outfit.) H. M. Holton. No. 14,460; Nov. 3; Gaz. vol. 137; p. 226.
 "Quaker Maid Stockings." (For Hosiery.) Young, Smyth, Field Company. No. 14,510; Nov. 17; Gaz. vol. 137; p. 730.
 "Quality Mark." (For Draperies, Portières, Covers, Lace Curtains, Blankets, Hammocks, Porch-Screens, Carpets, Matings, and Rugs.) A. H. Barker. No. 14,557; Dec. 15; Gaz. vol. 137; p. 1708.
 "Queen Alexandrias of Judea Royal Rice-Powder." (For Face-Powder.) J. L. De Zeabault. No. 14,380; Sept. 29; Gaz. vol. 136; p. 1066.
 "Queen Alexandrias of Judea Sweet-Florentine Powder." (For Tooth-Powder.) J. L. De Zeabault. No. 14,381; Sept. 29; Gaz. vol. 136; p. 1066.
 "Queen Alexandrias of Judea Sweet-Violet-Bath." (For a Bath-Powder.) J. L. De Zeabault. No. 14,179; May 5; Gaz. vol. 134; p. 254.
 "Queen Alexandrias of Judea Sweet-Violet-Bath Powder." (For a Bath-Powder.) J. L. De Zeabault. No. 14,345; Sept. 8; Gaz. vol. 136; p. 435.
 "R and R." (For a Liquor.) Chas. Jacquin et Cie., Inc. No. 14,102; Mar. 24; Gaz. vol. 133; p. 989.
 "Rajah Del Durbar." (For Cigars.) R. Loughlin. No. 14,021; Feb. 4; Gaz. vol. 132; p. 1070.
 "Ramsey's Trinidad Bitters 'The Bitters Done Up Brown.'" (For Trinidad Bitters.) F. R. Leonori. No. 14,499; Nov. 17; Gaz. vol. 137; p. 730.
 "Rare Piece." (For Cigars.) Clark Brothers Co. No. 14,114; Mar. 31; Gaz. vol. 133; p. 1185.
 "Raven Rocks Straight Bourbon Whiskey." (For Straight Bourbon Whisky.) J. Wandstrat. No. 14,334; Sept. 1; Gaz. vol. 136; p. 223.
 "Red Rock." (For Aerated Water.) Red Rock Spring Water Co. No. 14,175; May 5; Gaz. vol. 134; p. 254.
 "Red Wing." (For Cigars.) Schmidt & Co. No. 14,495; Nov. 17; Gaz. vol. 137; p. 730.
 "Regal Fibre a Modern Paper G." (For Wrapping-Paper.) G. A. Manz. No. 14,553; Dec. 15; Gaz. vol. 137; p. 1708.
 "Regalia." (For Cigars.) G. Dötting. No. 14,187; May 12; Gaz. vol. 134; p. 512.
 "Reliable." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,124; Apr. 7; Gaz. vol. 133; p. 1432.
 "Renfro's Coffees." (For Coffees.) Renfro Bros. Co. No. 14,535; Dec. 8; Gaz. vol. 137; p. 1480.
 "Re-pro The Modern American Art Finish." (For an Art Finish.) Chicago Wood Finishing Co. No. 14,261; June 23; Gaz. vol. 134; p. 2026.
 "Richmond Fancy Patent Flour." (For Wheat-Flour.) City Mills Company. No. 14,336; Sept. 1; Gaz. vol. 136; p. 223.
 "Robertson's Salve." (For a Salve.) J. C. Thomas. No. 14,250; June 16; Gaz. vol. 134; p. 1801.
 "Rose-Bud." (For Cigars.) Moehle Lithographic Co. No. 14,309; Aug. 4; Gaz. vol. 135; p. 1119.
 "Rover." (For Cigars.) Moehle Lithographic Co. No. 14,011; Jan. 28; Gaz. vol. 132; p. 840.
 "Royal-Floor-Wax." (For Wax for Polishing Floors, Woodwork, and Furniture.) E. A. Bromund. No. 14,383; Sept. 29; Gaz. vol. 136; p. 1066.
 "Royal Sherbet." (For a Non-Intoxicating Drink.) Shawaker & Lloyd. No. 14,116; Mar. 31; Gaz. vol. 133; p. 1185.
 "Royal Stewart." (For Cigars.) American Lithographic Company. No. 14,331; Sept. 1; Gaz. vol. 136; p. 223.
 "Royal Turban." (For Cigars.) Schmidt & Co. No. 14,534; Dec. 8; Gaz. vol. 137; p. 1480.

Alphabetical list of labels—Continued.

- "Ruffle Necks Cigars." (For Cigars.) Bethesda Cigar Co. No. 14,308; Aug. 4; Gaz. vol. 135; p. 1119.
- "Russell Jennings' Extension Lip Auger Bits." (For Extension-Lip Auger-Bits.) Russell Jennings Mfg. Co. No. 14,123; Mar. 31; Gaz. vol. 133; p. 1185.
- "S. B." (For Cigars.) Smith Bros. Co. Ltd. No. 14,483; Nov. 10; Gaz. vol. 137; p. 472.
- "S. S. Borden Co's Creamery Butter XXXX Brand." (For Creamery-Butter.) S. S. Borden Co. No. 14,059; Feb. 25; Gaz. vol. 132; p. 1835.
- "San-Vita Indian Remedy." (For a Medicinal Compound or Proprietary Medicine which is a Remedy for Nervous Affections, Nervous Diseases, and Nervous Prostration and for St. Vitus's Dance.) E. Stryker. No. 14,238; June 9; Gaz. vol. 134; p. 1560.
- "Sanitary Hairnet." (For Hair-Nets.) J. Kalmbach, Jr. No. 14,373; Sept. 22; Gaz. vol. 136; p. 845.
- "Sanative Wash." (For a Preparation for Women's Ailments.) Lydia E. Pinkham Medicine Company. No. 13,978; Jan. 7; Gaz. vol. 132; p. 229.
- "Savage's Hair Tonic." (For a Hair Remedy.) J. M. Savage. No. 14,452; Nov. 3; Gaz. vol. 137; p. 226.
- "Scandinavian Rupture Remedy." (For a Scandinavian Rupture Remedy.) J. Nelson. No. 14,527; Dec. 1; Gaz. vol. 137; p. 1235.
- "Scheur's Nevo-Fado, The 'Rite' Ink." (For Writing-Ink.) Scheur Bros. No. 14,033; Feb. 4; Gaz. vol. 132; p. 1070.
- "Schilling's Best." (For Pepper.) A. Schilling & Company. No. 14,060; Feb. 25; Gaz. vol. 132; p. 1835.
- "Schilling's Best." (For Cream Tartar.) A. Schilling & Company. No. 14,061; Feb. 25; Gaz. vol. 132; p. 1835.
- "Schilling's Best." (For Soda.) A. Schilling & Company. No. 14,062; Feb. 25; Gaz. vol. 132; p. 1835.
- "Schilling's Best." (For Flavoring Extracts.) A. Schilling & Company. No. 14,129; Apr. 7; Gaz. vol. 133; p. 1432.
- "School Artgum." (For a Cleaning Composition.) A. Sommer. No. 14,338; Sept. 1; Gaz. vol. 136; p. 223.
- "School Boys Useful School Article U. S. A. Pencil Case." (For Pencil-Case.) E. Pearl. No. 14,349; Sept. 8; Gaz. vol. 136; p. 455.
- "Schooner Brew." (For a Non-Alcoholic Beverage.) A. D. Lewis. No. 14,077; Mar. 10; Gaz. vol. 133; p. 511.
- "Scott's Special." (For Cotton Outer Garments, Including Overalls and Coats.) W. H. Scott. No. 14,134; Apr. 7; Gaz. vol. 133; p. 1432.
- "Sea Rose." (For Canned Salmon.) Schmidt Lithograph Co. No. 14,268; June 30; Gaz. vol. 134; p. 2242.
- "See its Spring." (For Dress-Fasteners.) William Prym, Gesellschaft mit beschränkter Haftung. No. 14,271; June 30; Gaz. vol. 134; p. 2242.
- "Selectos." (For Cigars.) G. Döttling. No. 14,216; May 26; Gaz. vol. 134; p. 1048.
- "Self Closing." (For Cigarettes.) E. A. Conday & Co. No. 14,396; Oct. 13; Gaz. vol. 136; p. 1530.
- "Serpentine Crêpe." (For Crêpe Cloth.) Pacific Mills. No. 14,210; May 19; Gaz. vol. 134; p. 773.
- "Shackelford." (For Cigars.) Schmidt & Co. No. 14,100; Mar. 24; Gaz. vol. 133; p. 989.
- "Shamar Embroidery." (For Embroidered Lace.) Kirschheidt Manufg. Co. No. 14,113; Mar. 24; Gaz. vol. 133; p. 989.
- "Shelton's Laxative Hoarhound Syrup Compound." (For a Medicine for Coughs and Colds.) W. F. Shelton. No. 14,119; Mar. 31; Gaz. vol. 133; p. 1185.
- "Shingle Weaver Cigar I. S. W. U. of A." (For Cigars.) La Fray & De Liere. No. 14,070; Mar. 3; Gaz. vol. 133; p. 227.
- "Shur-Hold Patch." (For Patches for Tires.) Inner Shoe Tire Co. No. 14,539; Dec. 8; Gaz. vol. 137; p. 1480.
- "Silver Star." (For Herring-Roe.) E. C. Geyer. No. 14,203; May 19; Gaz. vol. 134; p. 773.
- "Sir Philip." (For Cigars.) Schmidt & Co. No. 14,233; June 9; Gaz. vol. 134; p. 1560.
- "Skin-Clean-O." (For a Toilet Powder to be Used in Place of Soap.) H. H. Lepper. No. 14,042; Feb. 11; Gaz. vol. 132; p. 1318.
- "Skin Nourisher." (For a Pharmaceutical Preparation for Building Depleted Physical Tissues, &c.) H. H. Lepper. No. 14,043; Feb. 11; Gaz. vol. 132; p. 1318.
- "Small Brew." (For a Mild Fermented and Carbonated Infusion of Malt and Hops.) Robert Portner Brewing Company. No. 14,246; June 16; Gaz. vol. 134; p. 1801.
- "Smoke Cigars." (For Cigars.) American Lithographic Company. No. 14,461; Nov. 10; Gaz. vol. 137; p. 472.
- "Snooklim Repro." (For Blank Transfer-Cards and a Fluid by Means of Which Pictures May be Transferred to the Said Cards.) H. F. Coons. No. 14,393; Oct. 6; Gaz. vol. 136; p. 1295.
- "Sober Up." (For a Liquid Preparation, Consisting of a Combination of Drugs, Used for the Purpose of Overcoming the Effect of Too Much Intoxicating Liquors.) Wm. Strauss Co. No. 13,976; Jan. 7; Gaz. vol. 132; p. 229.
- "Soft Spun." (For Handkerchiefs.) F. J. Crystal. No. 14,392; Oct. 6; Gaz. vol. 136; p. 1295.
- "Solin." (For a Preparation to Increase the Durability of Shoe-Soles.) W. F. Chase. No. 14,357; Sept. 15; Gaz. vol. 136; p. 656.
- "Sonomotor." (For Placket-Fasteners.) William Prym, Gesellschaft mit beschränkter Haftung. No. 14,211; May 19; Gaz. vol. 134; p. 773.
- "Sordello." (For Cigars.) G. Schlegel. No. 14,436; Oct. 27; Gaz. vol. 136; p. 1998.
- "Soul Kisses." (For Confections.) Huyler's. No. 14,342; Sept. 8; Gaz. vol. 136; p. 435.
- "Spiced Beets." (For Spiced Beets.) I. S. Elam & Co. No. 14,387; Oct. 6; Gaz. vol. 136; p. 1295.
- "Sporting Extra." (For Cigarettes.) H. Lakowetzky. No. 14,376; Sept. 29; Gaz. vol. 136; p. 1066.
- "Spud." (For Bread.) Schuler-Sixes Baking Co. No. 14,169; Apr. 28; Gaz. vol. 133; p. 2178.
- "Stafoville." (For Uncooked Wheat Bread.) J. P. Thomas. No. 14,176; May 5; Gaz. vol. 134; p. 254.
- "Stag Bottled Beer." (For Beer.) Western Brewery Company. No. 14,076; Mar. 10; Gaz. vol. 133; p. 511.
- "Standard Clothes of Distinctive Character." (For Clothes.) Rosenthal Manufacturing Company. No. 14,135; Apr. 7; Gaz. vol. 133; p. 1432.
- "Standard Soluble Sulphur Compound." (For a Soluble Sulfur Compound.) Standard Soluble Sulphur Company. No. 13,979; Jan. 7; Gaz. vol. 132; p. 229.
- "Star Brand Evaporated Apples." (For Evaporated Apples.) J. W. Teasdale & Co. No. 14,524; Dec. 1; Gaz. vol. 137; p. 1235.
- "Star Feed." (For Stock and Poultry Feed.) Ralston Purina Co. No. 14,064; Feb. 25; Gaz. vol. 132; p. 1835.
- "Star Fibre Wrapping Paper for Butchers and Grocers." (For Wrapping-Paper.) G. A. Manz. No. 14,529; Dec. 1; Gaz. vol. 137; p. 1235.
- "Star Five." (For Cigars.) Schmidt & Co. No. 14,164; Apr. 28; Gaz. vol. 133; p. 2178.
- "Star Union." (For Cigars.) Schmidt & Co. No. 14,151; Apr. 21; Gaz. vol. 133; p. 1933.
- "Steel-Gray Enameled Ware." (For Enameled Ware.) Republic Metalware Co. No. 14,018; Jan. 28; Gaz. vol. 132; p. 840.
- "Stickem." (For Sanitary Fly-Tape.) Arents Manufacturing Company. No. 14,272; June 30; Gaz. vol. 134; p. 2242.
- "Stone Plover." (For Cigars.) Hansfeld & Huennekens Cigar Co. No. 14,332; Sept. 1; Gaz. vol. 136; p. 223.
- "Stork." (For Macaroni.) Minneapolis Macaroni Company. No. 14,072; Mar. 3; Gaz. vol. 133; p. 227.
- "Sulpho-Tri-Terpenes." (For a Veterinary Remedy.) C. E. Frazier & Co. No. 14,418; Oct. 20; Gaz. vol. 136; p. 1766.
- "Sultana." (For Cigarettes.) Themelis Bros. No. 14,001; Jan. 21; Gaz. vol. 132; p. 676.
- "Sum-Mo." (For Cane-Syrup and Glucose.) Columbia Coffee Mills, Ltd. No. 14,107; Mar. 24; Gaz. vol. 133; p. 989.
- "Sunflower." (For Creamery-Butter.) A. S. Kininmonth & Co. No. 14,081; Mar. 10; Gaz. vol. 133; p. 511.
- "Superb Chocolate Creams." (For Chocolate Creams.) Douglas Candy Co. No. 14,351; Sept. 15; Gaz. vol. 136; p. 656.
- "Superfina." (For Cigars.) G. Döttling. No. 14,477; Nov. 10; Gaz. vol. 137; p. 472.
- "Superior Flower Seeds." (For Flower-Seeds.) Mandeville & King Co. No. 14,507; Nov. 17; Gaz. vol. 137; p. 730.
- "Superior Genuine Hand Made 2nd Growth Handles." (For Handles for Tools.) Hartwell Brothers. No. 14,581; Dec. 29; Gaz. vol. 137; p. 2217.
- "Superior Portland Cement." (For Cement.) Superior Portland Cement Company. No. 14,068; Feb. 25; Gaz. vol. 132; p. 1835.
- "Superior Sweet Peas and Nasturtiums." (For Sweet-Pea and Nasturtium Flowers.) Mandeville & King Co. No. 14,570; Dec. 22; Gaz. vol. 137; p. 1937.
- "Superior Water Proof Wrapping Paper for Butchers and Grocers." (For Wrapping-Paper.) G. A. Manz. No. 14,530; Dec. 1; Gaz. vol. 137; p. 1235.
- "Superiores." (For Cigars.) G. Döttling. No. 14,186; May 12; Gaz. vol. 134; p. 512.
- "Sure Proof." (For Hosiery.) Plant & Co. No. 14,408; Oct. 13; Gaz. vol. 136; p. 1530.
- "Suzanne." (For Cigars.) Schmidt & Co. No. 14,165; Apr. 28; Gaz. vol. 133; p. 2178.
- "Sweetheart." (For Canned Syrup.) Louisiana Molasses Co. Ltd. No. 14,147; Apr. 14; Gaz. vol. 133; p. 1677.
- "Sweetheart." (For Chewing-Gum.) States Chewing Gum Company. No. 14,391; Oct. 6; Gaz. vol. 136; p. 1295.
- "Table Rock Mineral Water." (For Natural Mineral Water.) J. P. Porter. No. 14,375; Sept. 29; Gaz. vol. 136; p. 1066.
- "Talker." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,046; Feb. 18; Gaz. vol. 132; p. 1584.
- "Target Rock Whiskey." (For Blended Whisky.) S. Lefkowitz. No. 14,217; May 26; Gaz. vol. 134; p. 1048.
- "Tekol." (For a Medicinal Compound in Tablet Form.) F. J. Rief. No. 14,329; Aug. 25; Gaz. vol. 135; p. 1800.
- "Temple Association." (For Cigars.) National Temple of Labor. No. 14,162; Apr. 28; Gaz. vol. 133; p. 2178.
- "The All-Ways Safety Razor." (For Safety-Razors.) Automatic Utilities Company. No. 14,034; Feb. 4; Gaz. vol. 132; p. 1070.
- "The Barker." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,126; Apr. 7; Gaz. vol. 133; p. 1432.
- "The Boiler." (For Washboilers.) M. Kamenstein. No. 14,069; Feb. 25; Gaz. vol. 132; p. 1835.
- "The Choice Grade Cigars." (For Cigars.) Schmidt & Co. No. 14,296; July 28; Gaz. vol. 135; p. 892.
- "The Cincinnati Enquirer." (For Cigars.) J. A. Cheney. No. 13,964; Jan. 7; Gaz. vol. 132; p. 229.
- "The Fire-Pen Cork Handle." (For a Gas Pyrographic Pen.) H. M. Holton. No. 14,458; Nov. 3; Gaz. vol. 137; p. 226.
- "The Fire-Pen Wood Handle." (For a Gas Pyrographic Pen.) H. M. Holton. No. 14,459; Nov. 3; Gaz. vol. 137; p. 225.
- "The '400.'" (For Roasted Blended Coffee.) Githens Rexsamer & Co. No. 14,437; Oct. 27; Gaz. vol. 136; p. 1998.

Alphabetical list of labels—Continued.

- "The Greke Bandeau Classic Style." (For Hair-Retaining Bands, for Toilet Purposes, and Dressing the Hair.) Fitchburg Horn Goods Co. No. 14,440; Oct. 27; Gaz. vol. 136; p. 1998.
- "The Highest Grade Butter from the Maple Creamery." (For Butter.) T. C. Ford. No. 13,971; Jan. 7; Gaz. vol. 132; p. 229.
- "The Jig-Saw Puzzle Picture." (For Picture-Puzzles.) M. Rubens. No. 14,405; Oct. 13; Gaz. vol. 136; p. 1530.
- "The Key to Your Success." (For a Skin-Cultivator and Germ-Eradicator.) G. A. Schmidt. No. 14,417; Oct. 20; Gaz. vol. 136; p. 1766.
- "The Marquetry Puzzle Picture." (For Picture-Puzzles.) M. Rubens. No. 14,457; Nov. 3; Gaz. vol. 137; p. 226.
- "The Merry Widow." (For Perfumery.) J. D. Sauter. No. 14,354; Sept. 15; Gaz. vol. 136; p. 656.
- "The Merry Widow Stogies." (For Stogies.) A. Hurwitz. No. 14,384; Oct. 6; Gaz. vol. 136; p. 1295.
- "The New Great Marvel." (For Prepared Fuel.) T. B. Rausher. No. 14,307; July 28; Gaz. vol. 135; p. 892.
- "The Original Bermuda Milk Punch." (For a Milk-Punch.) F. H. Tucker & Co. No. 14,106; Mar. 24; Gaz. vol. 133; p. 989.
- "The Ponce de Leon Fountain of Youth Mineral Spring Water." (For Mineral-Spring Water.) L. Day. No. 14,050; Feb. 18; Gaz. vol. 132; p. 1534.
- "The Poppy Girl." (For Chocolates.) Daggett Company. No. 14,498; Nov. 17; Gaz. vol. 137; p. 730.
- "The Quality Cigar." (For Cigars.) Schmidt & Co. No. 14,288; July 21; Gaz. vol. 135; p. 660.
- "The Safety Aseptic Sub-Q." (For Syringes.) Randall-Faichney Company. No. 14,319; Aug. 18; Gaz. vol. 135; p. 1580.
- "The Specialty Waist." (For Waists.) Gill & Mandel. No. 14,161; Apr. 21; Gaz. vol. 133; p. 1933.
- "The Sun Glow Cigar." (For Cigars.) American Lithographic Company. No. 14,197; May 19; Gaz. vol. 134; p. 773.
- "The Weber Cocktails." (For a Beverage Commonly Known as Cocktails.) C. F. Weber. No. 14,412; Oct. 20; Gaz. vol. 136; p. 1766.
- "This is Itt." (For Medicine.) W. S. Richardson. No. 14,170; Apr. 28; Gaz. vol. 133; p. 2178.
- "Thor-ax-ine." (For Medicine.) Laxacura Chemical Co. No. 14,029; Feb. 4; Gaz. vol. 132; p. 1070.
- "Three Cigar." (For Cigars.) C. B. Henschel Mfg. Co. No. 14,273; July 7; Gaz. vol. 135; p. 216.
- "Tige-Mar Remedy Co." (For a Salve.) Davies and Meyers. No. 13,977; Jan. 7; Gaz. vol. 132; p. 229.
- "Tobacos Finos." (For Cigars.) Schmidt & Co. No. 14,333; Sept. 1; Gaz. vol. 136; p. 223.
- "Tom & Jerry." (For Cigars.) K. H. Jacobs. No. 14,492; Nov. 17; Gaz. vol. 137; p. 730.
- "Tomahawk Brand." (For Orange Bitters.) J. Clavel Wine & Cordial Co. No. 14,205; May 19; Gaz. vol. 134; p. 773.
- "Torpedo Cigar." (For Cigars.) J. W. Michel. No. 14,231; June 9; Gaz. vol. 134; p. 1560.
- "Tourist Invisible Fastener." (For Invisible Fasteners for Ladies' Skirts.) Sterling Pin Co. No. 14,555; Dec. 15; Gaz. vol. 137; p. 1708.
- "Towle's Circus Brand." (For Molasses.) Towle Maple Syrup Company. No. 14,092; Mar. 17; Gaz. vol. 133; p. 760.
- "Towle's Circus Brand." (For Syrup.) Towle Maple Syrup Company. No. 14,079; Mar. 10; Gaz. vol. 133; p. 511.
- "Town and Country, Real Turkish Cigarettes." (For Cigarettes.) Wm. A. Stickney Cigar Company. No. 14,101; Mar. 24; Gaz. vol. 133; p. 989.
- "Traveler." (For Roasted Coffee.) Tennessee Coffee Company. No. 14,547; Dec. 15; Gaz. vol. 137; p. 1708.
- "Triangles of Diapepsin." (For a Medical Preparation.) Pape, Thompson & Pape. No. 13,997; Jan. 14; Gaz. vol. 132; p. 465.
- "Trigg's Hand Wash." (For a Hand and Face Lotion.) Dr. F. M. Trigg. No. 14,027; Feb. 4; Gaz. vol. 132; p. 1070.
- "Tubby Bare." (For a Combination-Washkit.) S. Lord. No. 14,252; June 16; Gaz. vol. 134; p. 1801.
- "Tubular Rivets." (For Rivets.) Edwin B. Stimpson Company. No. 13,982; Jan. 7; Gaz. vol. 132; p. 229.
- "Tulip A." (For Cigars.) American Lithographic Company. No. 14,360; Sept. 22; Gaz. vol. 136; p. 845.
- "Tulip B." (For Cigars.) American Lithographic Company. No. 14,361; Sept. 22; Gaz. vol. 136; p. 845.
- "Tulip Evaporated Milk." (For Milk Which Has Been Condensed by Evaporation.) Elgin Milk & Cream Company. No. 14,089; Mar. 10; Gaz. vol. 133; p. 511.
- "Twilight Tea." (For Tea.) C. W. Antrim & Sons. No. 14,226; June 2; Gaz. vol. 134; p. 1296.
- "Two Reporters." (For Cigars.) Florida Havana Cigar Co. No. 14,543; Dec. 15; Gaz. vol. 137; p. 1708.
- "Uncle Sam's Crown." (For a Game.) A. C. Howes. No. 14,045; Feb. 11; Gaz. vol. 132; p. 1318.
- "Universales." (For Cigars.) G. Döttling. No. 14,434; Oct. 27; Gaz. vol. 136; p. 1998.
- "Universo." (For Cigars.) Schmidt & Co. No. 14,362; Sept. 22; Gaz. vol. 136; p. 845.
- "Van Ryn." (For Cigars.) Schmidt & Co. No. 14,291; July 21; Gaz. vol. 135; p. 660.
- "Varus." (For Cigars.) W. A. Depue. No. 14,561; Dec. 22; Gaz. vol. 137; p. 1937.
- "Voigt Toasted Wheat Flakes." (For a Cereal Food.) Voigt Cereal Food Co. No. 14,191; May 12; Gaz. vol. 134; p. 512.
- "Wagner's Artificial Lithia." (For an Artificial Mineral Water.) W. T. Wagner's Sons. No. 13,996; Jan. 14; Gaz. vol. 132; p. 465.
- "Wagner's Celebrated Green Mountain Salve." (For a Salve.) R. W. Ayer. No. 14,259; June 23; Gaz. vol. 134; p. 2026.
- "Wall Street Bourbon Whiskey." (For Straight Bourbon Whisky.) J. Wandstrat. No. 14,335; Sept. 1; Gaz. vol. 136; p. 223.
- "Whittle Epsom Lithia." (For Mineral-Water Beverages.) Whittle Springs Co. No. 14,038; Feb. 11; Gaz. vol. 132; p. 1318.
- "Witch Brand Flour." (For Flour.) Sands, Taylor & Wood Co. No. 14,414; Oct. 20; Gaz. vol. 136; p. 1766.
- "Woodruff Celebrated Sticking Plaster." (For Sticking-Plaster.) B. A. Perry. No. 14,017; Jan. 28; Gaz. vol. 132; p. 840.
- "Woolley Salve." (For Salve.) Woolley Salve Company. No. 14,096; Mar. 17; Gaz. vol. 133; p. 760.
- "Y. M. C. A. Cigar." (For Cigars.) J. H. Sacks. No. 13,965; Jan. 7; Gaz. vol. 132; p. 229.
- "Yama-Yama Gum." (For Chewing-Gum.) E. O. Grover. No. 14,390; Oct. 6; Gaz. vol. 136; p. 1295.
- "Yama-Yama-Yum." (For Confectionery.) E. O. Grover. No. 14,389; Oct. 6; Gaz. vol. 136; p. 1295.
- "Ye Fifth Avenue Milk Chocolate." (For Milk-Chocolate.) Griffing Chocolate Company. No. 14,255; June 23; Gaz. vol. 134; p. 2026.
- "Ye Old Colonials." (For Rugs and Carpets.) J. V. Mawby. No. 14,035; Feb. 4; Gaz. vol. 132; p. 1070.
- "Ye 'Pryory' Sauce." (For Sauce.) Pryory Sauce Co. No. 14,157; Apr. 21; Gaz. vol. 133; p. 1933.
- "Yeager's Mite Killer." (For a Remedy for Mites and Roup.) J. R. Yeager. No. 14,551; Dec. 15; Gaz. vol. 137; p. 1708.
- "Yosemite Medicinal Crystals." (For Medicine.) Yosemite Mineral Water Company. No. 13,998; Jan. 14; Gaz. vol. 132; p. 465.
- "Yosemite Royal Flush Aperient Water." (For an Aperient Water.) Yosemite Mineral Water Company. No. 13,975; Jan. 7; Gaz. vol. 132; p. 229.
- "Yo-Yo." (For a Medicinal Beverage.) Yo-Yo Co. No. 14,223; May 26; Gaz. vol. 134; p. 1048.

PRINTS.

- "A Better Drink Never Came Out of a Bottle." (For Straight Bourbon Whisky.) A. J. Henseler. No. 2,405; Dec. 29; Gaz. vol. 137; p. 2217.
- "A Burning Test of Kerosene." (For Kerosene-Oil.) Marshall Oil Company. No. 2,286; June 2; Gaz. vol. 134; p. 1296.
- "A Kalamazoo Direct to You." (For Stoves.) Kalamazoo Stove Co. No. 2,225; Feb. 18; Gaz. vol. 132; p. 1584.
- "A Kalamazoo Direct to You' at Factory Prices, We Pay the Freight." (For Stoves.) Kalamazoo Stove Co. No. 2,224; Feb. 18; Gaz. vol. 132; p. 1584.
- "Adler's Latest Spring Apparel for 1908." (For Men's Spring and Summer Apparel.) David Adler & Sons Clothing Co. No. 2,246; Mar. 17; Gaz. vol. 133; p. 760.
- "Adler's Spring Fashions for 1908." (For Men's Spring and Summer Apparel.) David Adler & Sons Clothing Co. No. 2,234; Mar. 3; Gaz. vol. 133; p. 227.
- "Again, I Say—Don't Be Odd." (For Flour.) Washburn Crosby Company. No. 2,254; Apr. 7; Gaz. vol. 133; p. 1432.
- "All Well." (For Fine Wines and Liquors.) James Olwell & Company. No. 2,366; Oct. 27; Gaz. vol. 136; p. 1998.
- "America's Standard Ammunition U. M. C. Club Shells." (For Club-Shells.) Union Metallic Cartridge Co. No. 2,303; June 23; Gaz. vol. 134; p. 2026.
- "An Adler Spring Top Coat." (For Men's Spring Apparel for 1908.) David Adler & Sons Clothing Co. No. 2,258; Apr. 7; Gaz. vol. 133; p. 1432.
- "Aristos Red Turkey Wheat Flour." (For Wheat-Flour.) Southwestern Milling Company. No. 2,352; Sept. 29; Gaz. vol. 136; p. 1066.
- "Artgum The Dry Cleaner and Massager." (For a Cleaning Composition.) No. 2,203; Jan. 21; Gaz. vol. 132; p. 676.
- "Automatic-Nickel-in-the-Slot Shoe Shining Machines." (For Shoe-Shining Machines.) International Machine Corporation. No. 2,364; Oct. 13; Gaz. vol. 136; p. 1530.
- "Autoists' Back." (For Playing-Cards.) Willis W. Russell Card Co. No. 2,386; Nov. 17; Gaz. vol. 137; p. 730.
- "B. V. D. Coat Cut Undershirts and Knee Length Drawers." (For Men's Underwear.) Erlanger Brothers. No. 2,249; Mar. 31; Gaz. vol. 133; p. 1185.
- "B. V. D. Loose Fitting Sleeping Suit." (For Men's Sleeping-Garments.) B. V. D. Company. No. 2,360; Oct. 13; Gaz. vol. 136; p. 1530.
- "B. V. D. Loose Fitting Union Suit." (For Men's Underwear.) Erlanger Brothers. Nos. 2,242-5; Mar. 17; Gaz. vol. 133; p. 760.
- "Babihood Clothes." (For Infants' Apparel.) Windsor-Knitting Mills. No. 2,349; Sept. 22; Gaz. vol. 136; p. 845.
- "Baby Bright Eyes." (For Toasted Corn-Flakes.) Toasted Corn Flake Co. No. 2,308; June 30; Gaz. vol. 134; p. 2242.
- "Beltfast." (For Men's Belts.) Columbia Leather Goods M'fg. Co. No. 2,282; June 2; Gaz. vol. 134; p. 1296.
- "Best Damp Proof Shoes." (For Shoes.) Best & Co. No. 2,218; Feb. 11; Gaz. vol. 132; p. 1318.
- "Blue Grass Hog Remedy." (For a Hog Remedy.) Blue Grass Stock Remedy Co. No. 2,297; June 16; Gaz. vol. 134; p. 1801.
- "Blue Grass Poultry Remedy." (For a Poultry Remedy.) Blue Grass Stock Remedy Co. No. 2,296; June 16; Gaz. vol. 134; p. 1801.
- "Blue Ribbon No. 323." (For a Box for Playing-Cards.) Willis W. Russell Card Co. No. 2,220; Feb. 18; Gaz. vol. 132; p. 1584.
- "Bobby Bright Eyes." (For Toasted Corn-Flakes.) Toasted Corn Flake Co. No. 2,307; June 30; Gaz. vol. 134; p. 2242.
- "Bradley White Ash Coal." (For Coal.) Clay Coal Company. No. 2,318; June 30; Gaz. vol. 134; p. 2242.
- "Bridget Bright Eyes." (For Toasted Corn-Flakes.) Toasted Corn Flake Co. No. 2,306; June 30; Gaz. vol. 134; p. 2242.
- "Bull Dog Kraft Paper." (For Paper.) Coy. Hunt & Co. No. 2,406; Dec. 29; Gaz. vol. 137; p. 2217.
- "Burke's Bottled Guinness Stout." (For Stout.) Edward & John Burke Ltd. No. 2,392; Dec. 1; Gaz. vol. 137; p. 1235.
- "But the Grocer has more—Thank Goodness." (For Flour.) Washburn-Crosby Company. No. 2,231; Mar. 3; Gaz. vol. 133; p. 227.
- "By the yard or buy the garment." (For Linings.) A. G. Hyde & Sons. No. 2,207; Jan. 28; Gaz. vol. 132; p. 840.
- "Calumet." (For Whips.) Independent Whip Company. No. 2,315; June 30; Gaz. vol. 134; p. 2242.
- "Carvel Whiskey." (For a Blend of Straight Rye Whiskies.) J. A. Bokel Co. of Baltimore City. No. 2,357; Oct. 13; Gaz. vol. 136; p. 1530.
- "Champion Harvesting Machines." (For Harvesting-Machines.) Hayes Lithographic Co. No. 2,404; Dec. 22; Gaz. vol. 137; p. 1937.
- "Circulating." (For Books of Fiction.) New Fiction Library. No. 2,322; July 14; Gaz. vol. 135; p. 445.
- "Class Pin Page Number Three." (For Class-Pins.) S. L. Folger. No. 2,312; June 30; Gaz. vol. 134; p. 2242.
- "Cleaning a Drawing." (For a Cleaning Composition.) A. Sommer. No. 2,333; Sept. 8; Gaz. vol. 136; p. 435.
- "Cleaning a Glove." (For a Cleaning Composition.) A. Sommer. No. 2,334; Sept. 8; Gaz. vol. 136; p. 435.
- "Cleaning a Hat." (For a Cleaning Composition.) A. Sommer. No. 2,335; Sept. 8; Gaz. vol. 136; p. 435.
- "Cleaning a Slipper." (For a Cleaning Composition.) A. Sommer. No. 2,337; Sept. 8; Gaz. vol. 136; p. 435.
- "Cleaning the Wallpaper." (For a Cleaning Composition.) A. Sommer. No. 2,336; Sept. 8; Gaz. vol. 136; p. 435.
- "Colgate's Collapsible Tube for Toilet Creams & Pastes." (For Toilet Creams and Pastes.) Colgate & Co. Nos. 2,212-14; Feb. 11; Gaz. vol. 132; p. 1318.
- "College Cut Trousers." (For Trousers.) J. Peavy. No. 2,256; Apr. 7; Gaz. vol. 133; p. 1432.
- "Columbia Records." (For Sound-Records.) Columbia Phonograph Co. Genl. No. 2,259; Apr. 14; Gaz. vol. 133; p. 1677.
- "Combo Comic-Nature Fakes." (For Comic Cards.) F. L. Fithian. No. 2,189; Jan. 7; Gaz. vol. 132; p. 229.
- "Compass and Lead Backs, Columbia Playing Cards." (For Playing-Cards.) United States Playing Card Company. No. 2,338; Sept. 8; Gaz. vol. 136; p. 435.
- "Cox's Gelatine." (For Gelatin.) Ward & Gow. No. 2,235; Mar. 10; Gaz. vol. 133; p. 511.
- "Doctor Bright Eyes." (For Toasted Corn-Flakes.) Toasted Corn Flake Co. No. 2,304; June 30; Gaz. vol. 134; p. 2242.
- "Don't Crow." (For Teas and Coffees.) James Van Dyk Co. No. 2,351; Sept. 29; Gaz. vol. 136; p. 1066.
- "Don't Say Flour." (For Flour.) Washburn Crosby Company. No. 2,358; Oct. 13; Gaz. vol. 136; p. 1530.
- "Double Service Suits." (For Suits of Boys' Clothing.) L. S. Plant & Co. No. 2,359; Oct. 13; Gaz. vol. 136; p. 1530.
- "Dr. Stork." (For Malt Elixir.) Peter Hand Brewing Company. No. 2,206; Jan. 28; Gaz. vol. 132; p. 840.
- "Fashions for 1908." (For Wash Fabrics.) American Printing Company. No. 2,236; Mar. 10; Gaz. vol. 133; p. 511.
- "Fashionable Coat Sleeves Spring and Summer 1908." (For Men's and Boys' Coats, Vests, and Trousers.) Ed. V. Price & Co. No. 2,198; Jan. 14; Gaz. vol. 132; p. 465.
- "Father Bright Eyes." (For Toasted Corn-Flakes.) Toasted Corn Flake Co. No. 2,311; June 30; Gaz. vol. 134; p. 2242.
- "Flirtation and Fortuna Backs, Congress Playing Cards." (For Playing-Cards.) United States Playing Card Company. No. 2,362; Oct. 13; Gaz. vol. 136; p. 1530.
- "Forged Steel Vehicles." (For Vehicles.) Pontiac Buggy Co. No. 2,399; Dec. 15; Gaz. vol. 137; p. 1708.
- "Fraser's Butt Pad." (For a Butt-Pad.) Commercial Art Engraving Co. No. 2,373; Nov. 3; Gaz. vol. 137; p. 226.
- "French Auto Oils." (For Lubricating-Oil.) Marshall Oil Company. No. 2,328; Sept. 1; Gaz. vol. 136; p. 223.
- "French Auto Oils." (For Lubricating-Oil.) Marshall Oil Company. No. 2,332; Sept. 8; Gaz. vol. 136; p. 435.
- "French Rôtisserie." (For a Meat-Broiling Apparatus.) G. Giovanna. No. 2,302; June 23; Gaz. vol. 134; p. 2026.
- "Full Dress Tailor." (For Men's and Boys' Coats, Vests, and Trousers.) Ed. V. Price & Co. No. 2,407; Dec. 29; Gaz. vol. 137; p. 2217.
- "Gillette Safety Razor." (For Safety-Razors.) Federal Lithograph Company. Nos. 2,273-5; May 12; Gaz. vol. 134; p. 512.
- "Golden Rule." (For Whips.) Independent Whip Company. No. 2,316; June 30; Gaz. vol. 134; p. 2242.
- "Grandma Bright Eyes." (For Toasted Corn-Flakes.) Toasted Corn Flake Co. No. 2,309; June 30; Gaz. vol. 134; p. 2242.
- "Grandpa Bright Eyes." (For Toasted Corn-Flakes.) Toasted Corn Flake Co. No. 2,310; June 30; Gaz. vol. 134; p. 2242.
- "Group Drawing B. V. D. Productions." (For Men's Underwear.) Erlanger Bros. No. 2,268; Apr. 28; Gaz. vol. 133; p. 2178.
- "Herbo-Nervo." (For a Nerve-Tonic.) B. E. Thomas. No. 2,342; Sept. 15; Gaz. vol. 136; p. 666.
- "He's Your Daddy." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 2,400; Dec. 22; Gaz. vol. 137; p. 1937.
- "High Gride." (For Beer.) Galveston Brewing Co. No. 2,276; May 19; Gaz. vol. 134; p. 773.
- "Holite." (For a Pocket-Clasp.) M. Fischer. No. 2,241; Mar. 17; Gaz. vol. 133; p. 760.
- "Hood's Buttermilk." (For Buttermilk.) H. P. Hood & Sons. No. 2,395; Dec. 8; Gaz. vol. 137; p. 1480.
- "Horse Medicines." (For Horse and Dog Remedies.) Dr. A. C. Daniels. No. 2,285; June 2; Gaz. vol. 134; p. 1296.
- "How Dry I Am." (For Rain-Coats.) C. Kenyon Co. No. 2,263; Apr. 21; Gaz. vol. 133; p. 1933.
- "Ideal Cover." (For Covers.) F. C. Roberts. No. 2,348; Sept. 22; Gaz. vol. 136; p. 845.
- "Interchangeable Portable Office Partition." (For Bank and Office Partitions.) Manhattan Office Partition Company. No. 2,374; Nov. 3; Gaz. vol. 137; p. 226.
- "It's All in the Shreds." (For Shredded Cereal Foods.) Natural Food Company. No. 2,368; Oct. 27; Gaz. vol. 136; p. 1998.
- "Jap Rose Soap (transparent)." (For Soap.) James S. Kirk & Co. Nos. 2,287-94; June 2; Gaz. vol. 134; p. 1296.
- "John J. Clark's Best 6 Cord Spool Cotton." (For Spool-Cotton.) Blodgett & Orswell Co. No. 2,365; Oct. 20; Gaz. vol. 136; p. 1766.

Alphabetical list of prints—Continued.

- "King Rawhide." (For Whips.) Independent Whip Company. No. 2,317; June 30; Gaz. vol. 134; p. 2242.
- "Lest We Forget." (For a Breakfast Food.) Cream of Wheat Co. No. 2,277; May 19; Gaz. vol. 134; p. 773.
- "London Cross & Co." (For Hats.) Samuel Mundheim Co. No. 2,195; Jan. 14; Gaz. vol. 132; p. 465.
- "Loose Fitting Sleeping Suit." (For Men's Sleeping-Garments.) Erlanger Brothers. No. 2,222; Feb. 18; Gaz. vol. 132; p. 1584.
- "LynnHaven Turkish Cigarettes." (For Turkish Cigarettes.) Ware-Kramer Tobacco Company. No. 2,381; Nov. 17; Gaz. vol. 137; p. 730.
- "McGraw's Corsets." (For Corsets.) A. P. McGraw Corset Co. No. 2,221; Feb. 18; Gaz. vol. 132; p. 1584.
- "Made to Eat—Not to Keep." (For Candy.) Huyler's. No. 2,371; Nov. 3; Gaz. vol. 137; p. 226.
- "Made to Eat Not to Keep." (For Candies.) Huyler's. No. 2,389; Nov. 24; Gaz. vol. 137; p. 976.
- "Male Apparel." (For Male Apparel.) Becker, Mayer & Co. No. 2,270; May 5; Gaz. vol. 134; p. 254.
- "Massaging the Face." (For a Massaging Composition.) A. Sommer. No. 2,343; Sept. 15; Gaz. vol. 136; p. 656.
- "McArthur's Fire Escape Ladder." (For Fire-Escapes.) M. J. McArthur. No. 2,278; May 19; Gaz. vol. 134; p. 773.
- "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) H. C. Lytton. No. 2,199; Jan. 14; Gaz. vol. 132; p. 465.
- "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) H. C. Lytton. No. 2,205; Jan. 21; Gaz. vol. 132; p. 676.
- "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) H. C. Lytton. No. 2,215; Feb. 11; Gaz. vol. 132; p. 1318.
- "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) H. C. Lytton. No. 2,237; Mar. 10; Gaz. vol. 133; p. 511.
- "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) Lytton, H. C. Nos. 2,251-2; Mar. 31; Gaz. vol. 133; p. 1185.
- "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) H. C. Lytton. No. 2,261; Apr. 14; Gaz. vol. 133; p. 1677.
- "Men's and Boys' Apparel." (For Men's and Boys' Apparel.) H. C. Lytton. No. 2,269; Apr. 28; Gaz. vol. 133; p. 2178.
- "Men's and Boys' Apparel." (For Men's and Boys' Clothing.) H. C. Lytton. No. 2,223; Feb. 18; Gaz. vol. 132; p. 1584.
- "Mens Apparel." (For Men's Apparel.) W. C. Both. No. 2,190; Jan. 7; Gaz. vol. 132; p. 229.
- "Men's Apparel." (For Men's Apparel.) L. Adler, Bros. & Co. No. 2,216; Feb. 11; Gaz. vol. 132; p. 1318.
- "Men's Apparel." (For Men's Apparel.) Rosenwald & Weil Co. No. 2,217; Feb. 11; Gaz. vol. 132; p. 1318.
- "Mens Apparel." (For Men's Apparel.) W. C. Both. No. 2,233; Mar. 3; Gaz. vol. 133; p. 227.
- "Mens Apparel." (For Men's Clothing.) Schloss Bros. & Co. No. 2,264; Apr. 21; Gaz. vol. 133; p. 1933.
- "Merion Butter." (For Butter.) W. R. Lees & Bro. No. 2,353; Sept. 29; Gaz. vol. 136; p. 1066.
- "Merry Widow." (For Bread.) Gordon & Pagel Bread Co. No. 2,301; June 23; Gaz. vol. 134; p. 2026.
- "Milwaukee Harvesting Machines." (For Harvesting-Machines.) Hayes Lithographing Co. No. 2,375; Nov. 3; Gaz. vol. 137; p. 226.
- "Minuet Back, Congress Playing Cards." (For Playing-Cards.) United States Playing Card Company. No. 2,193; Jan. 14; Gaz. vol. 132; p. 465.
- "Miss Quality." (For Chocolate Candies.) H. D. Foss & Co. No. 2,191; Jan. 14; Gaz. vol. 132; p. 465.
- "Mosaic Back, Columbia Playing Cards." (For Playing-Cards.) United States Playing Card Company. No. 2,391; Nov. 24; Gaz. vol. 137; p. 976.
- "Mother Bright Eyes." (For Toasted Corn-Flakes.) Toasted Corn Flake Co. No. 2,305; June 30; Gaz. vol. 134; p. 2242.
- "My Favorite Food Drink." (For Malted Milk.) Horlick's Malted Milk Company. No. 2,239; Mar. 17; Gaz. vol. 133; p. 760.
- "Nazma the Prince of Cigarettes." (For Turkish Cigarettes.) Ware-Kramer Tobacco Company. No. 2,380; Nov. 17; Gaz. vol. 137; p. 730.
- "Never Will Scratch." (For a Scouring-Soap.) Bon Ami Company. Nos. 2,320-1; July 14; Gaz. vol. 135; p. 448.
- "No. 323 Blue Ribbon." (For Playing-Cards.) Willis W. Russell Card Co. No. 2,202; Jan. 21; Gaz. vol. 132; p. 676.
- "No. 72. Astrological Fate Cards." (For Playing-Cards.) United States Playing Card Company. No. 2,329; Sept. 1; Gaz. vol. 136; p. 223.
- "Novelty." (For Ranges and Stoves.) Abram Cox Stove Co. No. 2,408; Dec. 29; Gaz. vol. 137; p. 2217.
- "Now Let Them Come." (For Flour.) Washburn Crosby Company. No. 2,367; Oct. 27; Gaz. vol. 136; p. 1998.
- "Oasis, Iroquois and Beacon Light Backs, Congress Playing Cards." (For Playing-Cards.) United States Playing Card Company. No. 2,255; Apr. 7; Gaz. vol. 133; p. 1432.
- "One Quart Water." (For Flour.) Washburn Crosby Company. No. 2,382; Nov. 17; Gaz. vol. 137; p. 730.
- "O'Sullivan's Heels of New Rubber." (For Rubber Heels.) Massachusetts Engraving Company. No. 2,281; May 26; Gaz. vol. 134; p. 1048.
- "O'Sullivan's New Live Rubber Heels." (For Rubber Heels.) Massachusetts Engraving Company. No. 2,284; June 2; Gaz. vol. 134; p. 1296.
- "Our Cutter." (For Men's and Boys' Coats, Vests, and Trousers.) Ed. V. Price & Co. No. 2,230; Feb. 25; Gaz. vol. 132; p. 1835.
- "Our 'Schoolmaster' Series No. 5." (For Men's and Boys' Coats, Vests, and Trousers.) Ed. V. Price & Co. No. 2,226; Feb. 25; Gaz. vol. 132; p. 1835.
- "Our 'Schoolmaster' Series No. 6." (For Men's and Boys' Coats, Vests, and Trousers.) Ed. V. Price & Co. No. 2,227; Feb. 25; Gaz. vol. 132; p. 1835.
- "Our 'Schoolmaster' Series No. 7." (For Men's and Boys' Coats, Vests, and Trousers.) Ed. V. Price & Co. No. 2,228; Feb. 25; Gaz. vol. 132; p. 1835.
- "Our 'Schoolmaster' Series No. 8." (For Men's and Boys' Coats, Vests, and Trousers.) Ed. V. Price & Co. No. 2,229; Feb. 25; Gaz. vol. 132; p. 1835.
- "Our Superintendent." (For Men's and Boys' Coats, Vests, and Trousers.) Ed. V. Price & Co. No. 2,197; Jan. 14; Gaz. vol. 132; p. 465.
- "Ours is a Record of Victory with Victor Records." (For Disk Records.) G. A. Stanley. No. 2,354; Sept. 29; Gaz. vol. 136; p. 1066.
- "Panama Souvenir Playing Cards." (For Playing-Cards.) United States Playing Card Company. No. 2,339; Sept. 8; Gaz. vol. 136; p. 435.
- "Parisian Tree Cake Known in Germany as 'Baumkuchen.'" (For Tree-Cakes.) P. Fulleborn. No. 2,211; Feb. 11; Gaz. vol. 132; p. 1318.
- "Pedology or the Science of Foot Reading." (For a Corn and Bunion Remedy.) C. Woofter. No. 2,319; July 17; Gaz. vol. 135; p. 216.
- "Phoenix Muffler." (For Mufflers.) Phoenix Knitting Works. No. 2,196; Jan. 14; Gaz. vol. 132; p. 465.
- "Plako." (For a Dress-Fastener.) Clarke Sales Company. No. 2,267; Apr. 28; Gaz. vol. 133; p. 2178.
- "Poth's Extra." (For Beer.) F. A. Poth & Sons. No. 2,324; Aug. 25; Gaz. vol. 135; p. 1800.
- "Precious and Semi-Precious Stones and Where Found." (For Precious and Semiprecious Stones.) Maxwell & Berlet Inc. No. 2,210; Feb. 4; Gaz. vol. 132; p. 1070.
- "Produces Typewritten Letters and Office Forms—Capacity of 100 Typewriters." (For Duplicating-Machines.) Writerpress Company. No. 2,345; Sept. 15; Gaz. vol. 136; p. 656.
- "Pro-phyl-lac-tic." (For Tooth-Brushes.) Florence Manufacturing Co. No. 2,247; Mar. 31; Gaz. vol. 133; p. 1185.
- "Purekind Salt Water Taffy." (For Salt-Water Taffy.) Atlantic City Candy Company. No. 2,390; Nov. 24; Gaz. vol. 137; p. 976.
- "Reckitt's Blue." (For Bluing for Laundry Use.) Reckitt & Sons. No. 2,280; May 26; Gaz. vol. 134; p. 1048.
- "Reckitt's Blue." (For Bluing.) Reckitt & Sons. No. 2,298; June 16; Gaz. vol. 134; p. 1801.
- "Rivets, Washers and Sheet-Metal Specialties." (For Rivets, Washers, Eyelets, and Metal Specialties.) Edwin B. Stimpson Company. No. 2,209; Feb. 4; Gaz. vol. 132; p. 1070.
- "Rivets, Washers, Eyelets and Sheet Metal Specialties." (For Rivets, Washers, Eyelets, and Metal Specialties.) Edwin B. Stimpson Company. No. 2,271; May 5; Gaz. vol. 134; p. 254.
- "Russell's Autoists." (For Playing-Cards.) Willis W. Russell Card Co. No. 2,387; Nov. 17; Gaz. vol. 137; p. 730.
- "Russell's Retrievers." (For Playing-Cards.) Willis W. Russell Card Co. No. 2,385; Nov. 17; Gaz. vol. 137; p. 730.
- "Santa Claus." (For Safety-Razors.) Auto Strop Safety Razor Co. No. 2,401; Dec. 22; Gaz. vol. 137; p. 1937.
- "Sawyer's Crystal Blue." (For Washing-Blue.) Sawyer Crystal Blue Co. No. 2,204; Jan. 21; Gaz. vol. 132; p. 676.
- "Say Boys! Wear Scott's Joplin Special." (For Overalls.) Joplin Overall Company. No. 2,295; June 9; Gaz. vol. 134; p. 1560.
- "School, a New Parlor Game." (For a Game.) J. F. MacIndoe. No. 2,355; Oct. 6; Gaz. vol. 136; p. 1295.
- "Seera." (For Astrological and Phenological Charts.) M. Kingsley. No. 2,356; Oct. 6; Gaz. vol. 136; p. 1295.
- "74 Card Dominoes." (For Game-Cards.) United States Playing Card Company. No. 2,262; Apr. 21; Gaz. vol. 133; p. 1933.
- "67 Lenox Playing Cards Quadra Indexes." (For Playing-Cards.) United States Playing Card Company. No. 2,192; Jan. 14; Gaz. vol. 132; p. 465.
- "Spring and Summer Styles 1908." (For Clothing.) Garson Meyer & Co. No. 2,250; Mar. 31; Gaz. vol. 133; p. 1185.
- "Standard Seeds." (For Seeds.) D. M. Ferry & Co. No. 2,393; Dec. 1; Gaz. vol. 137; p. 1235.
- "Star Sanitary Dairy Pail." (For Sanitary Dairy-Pails.) Star Milk Cooler Co. No. 2,232; Mar. 3; Gaz. vol. 133; p. 227.
- "Stevens Rides, The Bull's Eye Kind." (For Rules.) Milton Bradley Company. No. 2,341; Sept. 8; Gaz. vol. 136; p. 435.
- "Stolen Sweets." (For Maraschino Cherries and Glacé Cherries.) Beach-Claridge Corporation. No. 2,219; Feb. 18; Gaz. vol. 132; p. 1584.
- "Table for Grinding Clearance." (For Cutter-Grinders.) R. K. le Blond Machine Tool Co. No. 2,340; Sept. 8; Gaz. vol. 136; p. 435.
- "Take Notice!" (For Flour.) Washburn-Crosby Company. No. 2,240; Mar. 17; Gaz. vol. 133; p. 760.
- "Thanks for the Artgum." (For Artgum, a Cleaning Composition.) A. Sommer. No. 2,279; May 26; Gaz. vol. 134; p. 1048.
- "The Alexander Belt." (For Belting.) Alexander Brothers. No. 2,379; Nov. 10; Gaz. vol. 137; p. 472.
- "The American Lady." (For Corsets.) American Lady Corset Co. No. 2,384; Nov. 17; Gaz. vol. 137; p. 730.
- "The Atchison Au Tra Kar." (For a Self-Propelling Car Adapted for Use in Working Upon Tracks of Railroads.) H. W. Jacobs. No. 2,233; Mar. 10; Gaz. vol. 133; p. 511.

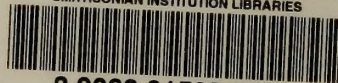
Alphabetical list of prints—Continued.

- "The Bell Tailors of New York." (For Clothing.) Bell Tailors of New York. No. 2,257; Apr. 7; Gaz. vol. 133; p. 1432.
 "The Bennett Company's Line of Pianos." (For Pianos.) W. M. Robinson. No. 2,330; Sept. 1; Gaz. vol. 136; p. 223.
 "The Child's Prayer for Perfect Feet." (For Shoes.) W. D. Wright. No. 2,370; Oct. 27; Gaz. vol. 136; p. 1998.
 "The Clothes for Fall 1908." (For Men's Fall Apparel.) David Adler & Sons Clothing Co. No. 2,350; Sept. 22; Gaz. vol. 136; p. 845.
 "The Comptometer." (For Adding-Machines.) Commercial Art Engraving Co. No. 2,402; Dec. 22; Gaz. vol. 137; p. 1937.
 "The Contrast." (For Bottles Insulated for Resisting Change of Temperature of Contents.) G. P. Altenberg. No. 2,378; Nov. 10; Gaz. vol. 137; p. 472.
 "The Dawson Taste." (For Straight Scotch Whisky.) Gunning System. No. 2,346; Sept. 22; Gaz. vol. 136; p. 845.
 "The Eternal Question." (For Gelatin.) Crystal Gelatine Company. No. 2,372; Nov. 3; Gaz. vol. 137; p. 226.
 "The Free Sewing Machine." (For Sewing-Machines.) Illinois Sewing Machine Company. No. 2,398; Dec. 15; Gaz. vol. 137; p. 1708.
 "The Genesis and Evolution of the Safety Deposit Vault." (For the Boltwork for Vault-Doors.) B. F. Tripp. No. 2,253; Mar. 31; Gaz. vol. 133; p. 1185.
 "The Girl Question is Easily Solved." (For Candy.) Huyler's. No. 2,388; Nov. 24; Gaz. vol. 137; p. 976.
 "The Godiva." (For Ladies' Riding Habits and Skirts.) S. & S. Goldberg. No. 2,361; Oct. 13; Gaz. vol. 136; p. 1530.
 "The Hands Can Do the Trick and Turn One Cuff into Two." (For Ladies' Shirt-Waists.) Guggenheim Company. No. 2,326; Aug. 25; Gaz. vol. 135; p. 1800.
 "The Kendall Hat Protector." (For Hat-Protectors.) E. A. Kendall. No. 2,325; Aug. 25; Gaz. vol. 135; p. 1800.
 "The Lucky Key." (For Bottled Beer.) F. J. Cooper. No. 2,347; Sept. 22; Gaz. vol. 136; p. 845.
 "The Man's Garter." (For Garters.) A. Stein & Co. No. 2,283; June 2; Gaz. vol. 134; p. 1296.
 "The Mark of Excellence." (For Waterproof Oiled Clothing.) No. 2,272; May 12; Gaz. vol. 134; p. 512.
 "The Moon and I." (For Beer.) Hayes Lithographing Co. No. 2,299; June 23; Gaz. vol. 134; p. 2026.
 "The Pirate." (For a Wheat Breakfast Food.) Cream of Wheat Co. No. 2,331; Sept. 8; Gaz. vol. 136; p. 435.
 "The Power Behind the Cook." (For Flour.) Washburn-Crosby Company. No. 2,208; Feb. 4; Gaz. vol. 132; p. 1070.
 "The Reliance Tailoring Co." (For Men's Clothing.) Reliance Tailoring Co. No. 2,260; Apr. 14; Gaz. vol. 133; p. 1677.
 "The Rogalley Ventilating Health Glove." (For Gloves.) J. Rogalley. No. 2194; Jan. 14; Gaz. vol. 132; p. 465.
 "The Sign of The 7." (For Shoes.) A. A. Kimball. No. 2,265; Apr. 21; Gaz. vol. 133; p. 1933.
 "The Signet of Furniture Quality." (For Furniture.) F. Mohr & Co. No. 2,403; Dec. 22; Gaz. vol. 137; p. 1937.
 "The Singer Sewing Machine of 1850." (For Sewing-Machines.) Singer Sewing Machine Co. No. 2,200; Jan. 14; Gaz. vol. 132; p. 465.
 "The Staclene Cuff Protector." (For Collar and Cuff Protectors.) E. B. Maxon and P. S. Lohnes. No. 2,313; June 30; Gaz. vol. 134; p. 2242.
 "The Standard Package Dyes of the World." (For Dyes.) Wells & Richardson Company. No. 2,383; Nov. 17; Gaz. vol. 137; p. 730.
 "The Twelve Birthstones and Where Found." (For Birthstones.) Maxwell & Berlet. No. 2,266; Apr. 28; Gaz. vol. 133; p. 2178.
 "The Winning Whiskey." (For Straight Whisky.) James Olwell & Company. No. 2,376; Nov. 10; Gaz. vol. 137; p. 472.
 "The Yankee Prince." (For Men's Suits of Clothes.) Eclipse Clothing Co. No. 2,327; Aug. 25; Gaz. vol. 135; p. 1800.
 "Three Horse Head." (For Whips.) Independent Whip Company. No. 2,314; June 30; Gaz. vol. 134; p. 2242.
 "To You—Who Bake." (For Flour.) Washburn Crosby Company. No. 2,323; July 21; Gaz. vol. 135; p. 660.
 "Turn failure into victory, Don't let your courage fade, And if you get a lemon, Just make the lemon-aid." (For Lemonade.) No. 2,377; Nov. 10; Gaz. vol. 137; p. 472.
 "Two Soles With But a Single Heart, The Heart of Oak." (For Shoes.) C. B. E. Banks. No. 2,344; Sept. 15; Gaz. vol. 136; p. 656.
 "U. S. A. Pencil Case, Useful School Article." (For Pencil-Case.) E. Pearl. No. 2,363; Oct. 13; Gaz. vol. 136; p. 1530.
 "Uji." (For Teas and Coffees.) Renfro Bros. Co. No. 2,394; Dec. 8; Gaz. vol. 137; p. 1480.
 "Uncle-Sam." (For a Beverage.) Artesian Mfg. & Bottling Co. No. 2,300; June 23; Gaz. vol. 134; p. 2026.
 "Uprite." (For a Shoulder-Brace.) E. Johnson. No. 2,248; Mar. 31; Gaz. vol. 133; p. 1185.
 "Watch Glass Order Sheet." (For Watch-Crystals.) A. C. Becken Company. No. 2,369; Oct. 27; Gaz. vol. 136; p. 1998.
 "Winner." (For Playing-Cards.) Willis W. Russell Card Co. No. 2,397; Dec. 15; Gaz. vol. 137; p. 1708.
 "Worthington's Ben-Hur Good Strong Blanket." (For Blankets.) Geo. Worthington Company. No. 2,396; Dec. 8; Gaz. vol. 137; p. 1480.
 "Your Neighbors and Their Neighbors Town and City Within Your Call." (For Telephones.) Columbus Citizens Telephone Company. No. 2,201; Jan. 14; Gaz. vol. 132; p. 465.

DISCLAIMERS.

- Carline. H. W. Gays. No. 607,846; date of patent July 26, 1898; disclaimer filed Dec. 2, 1908; Gaz. vol. 137; p. 1714.
 Fastening means for core-plates of electrical machines. E. E. Nolan. No. 582,481; date of patent May 11, 1897; disclaimer filed Apr. 27, 1908; Gaz. vol. 134; p. 1.
 Induction-coil. R. Varley. No. 878,435; date of patent Feb. 4, 1908; disclaimer filed Mar. 19, 1908; Gaz. vol. 133; p. 1191.
 Manifolding pad or book. B. C. Maxwell. No. 847,991; date of patent Mar. 19, 1907; disclaimer filed July 30, 1908; Gaz. vol. 135; p. 1127.
 Method of and means for cash-registering and account-checking. J. T. Hicks. No. 500,071; date of patent June 20, 1893; disclaimer filed May 13, 1908; Gaz. vol. 134; p. 519.
 Motor-bicycle. W. A. Suddard. No. 750,317; date of patent Jan. 26, 1904; disclaimer filed Mar. 18, 1908; Gaz. vol. 133; p. 1192.
 Navigable vessel. J. Campbell. No. 675,812; date of patent June 4, 1901; disclaimer filed Feb. 21, 1908; Gaz. vol. 133; p. 1.
 Paper-bag machine. C. F. Smith. No. 864,433; date of patent Aug. 27, 1907; disclaimer filed Dec. 2, 1908; Gaz. vol. 137; p. 1714.
 Process for producing chlorids of carbon. J. MacKaye. No. 880,900; date of patent Mar. 3, 1908; disclaimer filed June 1, 1908; Gaz. vol. 134; p. 1566.
 Process of and apparatus for treating sewage. D. Cameron, F. J. Commin, and A. J. Martin. No. 634,423; date of patent Oct. 3, 1899; disclaimer filed Feb. 21, 1908; Gaz. vol. 133; p. 1.
 Railway-rail stay. E. Laas and H. H. Sponenborg. No. 757,754; date of patent Apr. 19, 1904; disclaimer filed Nov. 9, 1908; Gaz. vol. 137; p. 736.
 Roentgen-ray tube. H. L. Sayen. No. 594,036; date of patent Nov. 23, 1897; disclaimer filed Apr. 29, 1908; Gaz. vol. 134; p. 1.

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